

APPLICATION CERTIFICATION FCC Part 15C

On Behalf of
Eken (HK) Electronics Co., Ltd.

7 INCH TABLET

Model No.: C70, Q70, Q70+, VX-E7001, VX-E7002, Q88, Q88+, C70+

FCC ID: PVV-C70

Prepared for : Eken (HK) Electronics Co., Ltd.
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Report Number : ATE20130157
Date of Test : January 27-30, 2013
Date of Report : January 30, 2013

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Test Report Certification

Applicant : Eken (HK) Electronics Co., Ltd.

Manufacturer : Eken (HK) Electronics Co., Ltd.

EUT Description : 7 INCH TABLET

(A) MODEL NO.: C70, Q70, Q70+, VX-E7001, VX-E7002, Q88, Q88+, C70+

(B) SERIAL NO.: N/A

(C) POWER SUPPLY: DC 3.7V (Li-polymer battery) & DC 5V (Power by Adapter)

Measurement Procedure Used:

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

The EUT was tested according to DTS test procedure of October 04, 2012 KDB558074 D01 DTS Meas Guidance v02 for compliance to FCC 47CFR 15.247 requirements

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

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

Date of Test : January 27-30, 2013

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	7 INCH TABLET
Model Number	:	C70, Q70, Q70+, VX-E7001, VX-E7002, Q88, Q88+, C70+ (Note: These samples are same except for the model number is difference. So we prepare the C70 for FCC test.)
Frequency Range	:	802.11b/g/n(20MHz): 2412-2462MHz 802.11n(40MHz): 2422-2452MHz
Number of Channels	:	802.11b/g/n (20MHz):11 802.11n (40MHz): 7
Antenna Gain	:	0dBi
Power Supply	:	DC 3.7V (Li-polymer battery) & DC 5V (Power by adapter)
Adapter	:	Model number: IMI 5V 2.0A Input: AC 100-240V; 50/60Hz Output: DC 5V/2.0A USB line: Non-shielded, Non-detachable, 1.05m
Data Rate	:	802.11b: 11, 5.5, 2, 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11n: up to 150Mbps
Applicant	:	Eken (HK) Electronics Co., Ltd.
Address	:	Building 2F-2B, HuaFeng Science Park GongHe Road, XiXiang, Baoan District, ShenZhen, China
Manufacturer	:	Eken (HK) Electronics Co., Ltd.
Address	:	Building 2F-2B, HuaFeng Science Park GongHe Road, XiXiang, Baoan District, ShenZhen, China
Date of sample received	:	January 27, 2013
Date of Test	:	January 27-30, 2013

1.2.Carrier Frequency of Channels

802.11b, 802.11g, 802.11n (20MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
01	2412	07	2442
02	2417	08	2447
03	2422	09	2452
04	2427	10	2457
05	2432	11	2462
06	2437	---	---

802.11n (40MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
---	---	07	2442
---	---	08	2447
03	2422	09	2452
04	2427	---	---
05	2432	---	---
06	2437	---	---

1.3.Test Procedure

The EUT was tested according to DTS test procedure of October 04, 2012 KDB558074 D01 DTS Meas Guidance v02 for compliance to FCC 47CFR 15.247 requirements

1.4.Special Accessory and Auxiliary Equipment

n.a.

1.5. Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen

Listed by FCC
The Registration Number is 752051

Listed by Industry Canada
The Registration Number is 5077A-2

Accredited by China National Accreditation Committee
for Laboratories
The Certificate Registration Number is L3193

Name of Firm : ACCURATE TECHNOLOGY CO. LTD

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

1.6. Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

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

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

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

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

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

3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

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

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

2.802.11g Transmitting mode

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

3.802.11n (20MHz) Transmitting mode

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

4.802.11n (40MHz) Transmitting mode

Low Channel: 2422MHz

Middle Channel: 2437MHz

High Channel: 2452MHz

5. Charging

3.2.Configuration and peripherals

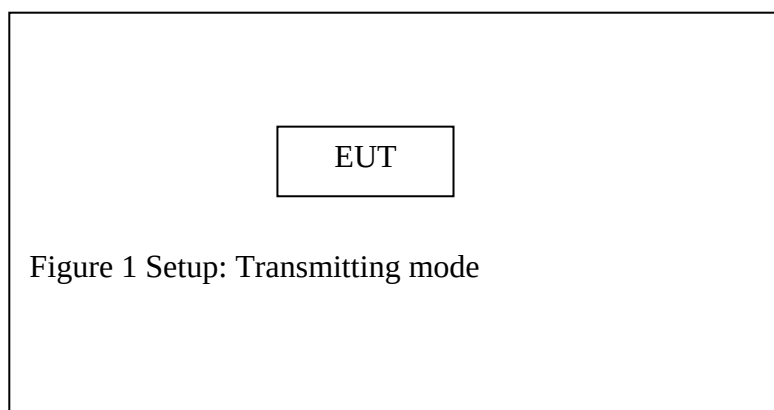


Figure 1 Setup: Transmitting mode

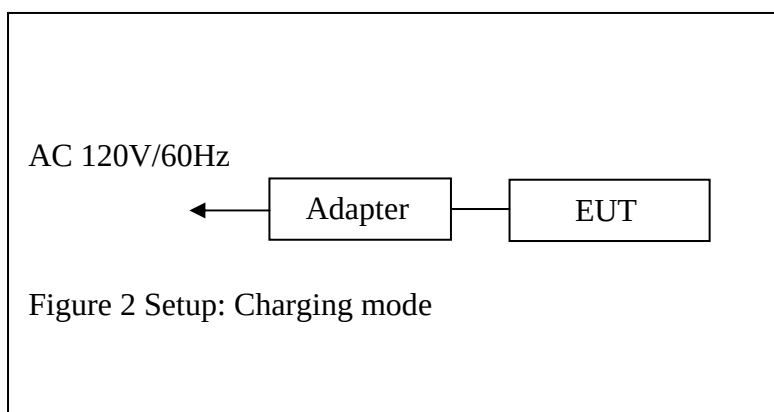


Figure 2 Setup: Charging mode

4. TEST PROCEDURES AND RESULTS

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

5. 6DB BANDWIDTH MEASUREMENT

5.1. Block Diagram of Test Setup



(EUT: 7 INCH TABLET)

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

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

5.3. EUT Configuration on Measurement

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

5.3.1. 7 INCH TABLET (EUT)

Model Number	:	C70
Serial Number	:	N/A
Manufacturer	:	Eken (HK) Electronics Co., Ltd.

5.4. Operating Condition of EUT

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

5.4.2. Turn on the power of all equipment.

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

5.5. Test Procedure

1. Set resolution bandwidth (RBW) = 1-5% or DTS BW, not to exceed 100 kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.6. Test Result

PASS.

Date of Test:	<u>January 29, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>7 INCH TABLET</u>	Humidity:	<u>50%</u>
Model No.:	<u>C70</u>	Power Supply:	<u>AC 120V/60HZ</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Pei</u>

The test was performed with 802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	8.04	> 0.5MHz
Middle	2437	7.96	> 0.5MHz
High	2462	8.00	> 0.5MHz

The test was performed with 802.11g

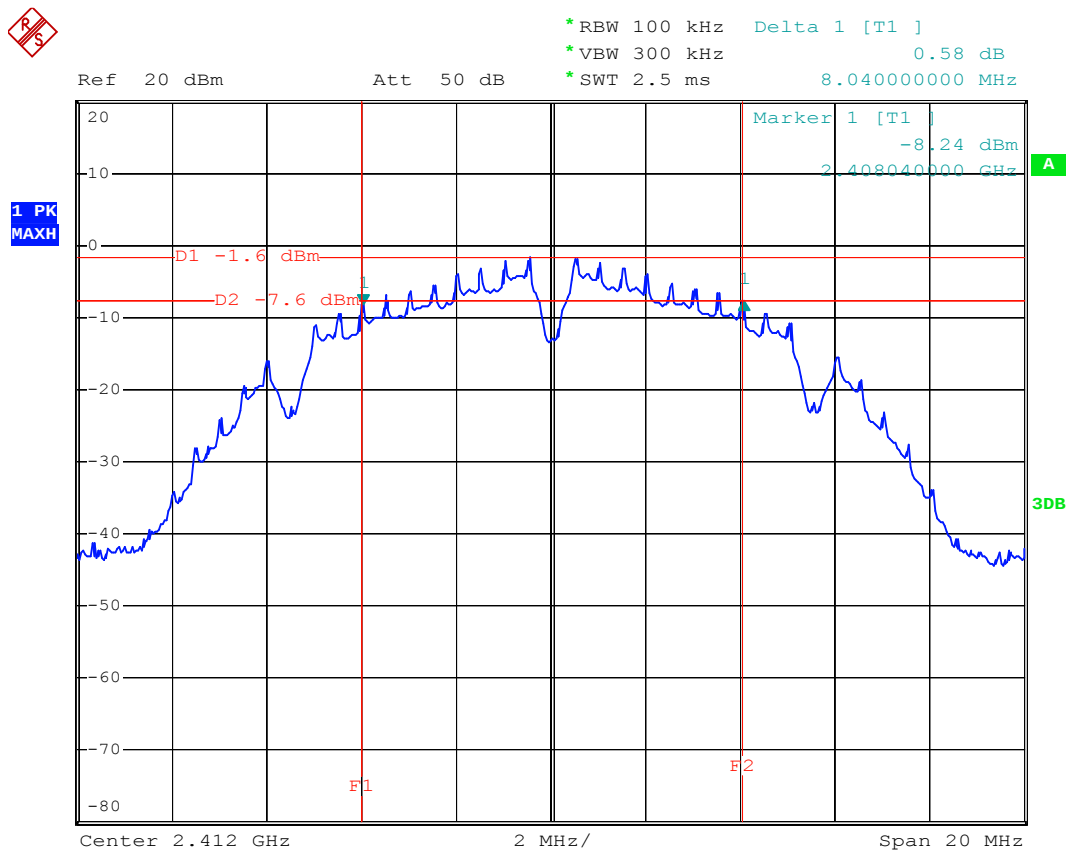
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	16.32	> 0.5MHz
Middle	2437	16.32	> 0.5MHz
High	2462	16.32	> 0.5MHz

The test was performed with 802.11n (Bandwidth: 20 MHz)			
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	17.32	> 0.5MHz
Middle	2437	17.00	> 0.5MHz
High	2462	17.32	> 0.5MHz

The test was performed with 802.11n (Bandwidth: 40 MHz)			
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2422	36.44	> 0.5MHz
Middle	2437	36.48	> 0.5MHz
High	2452	36.40	> 0.5MHz

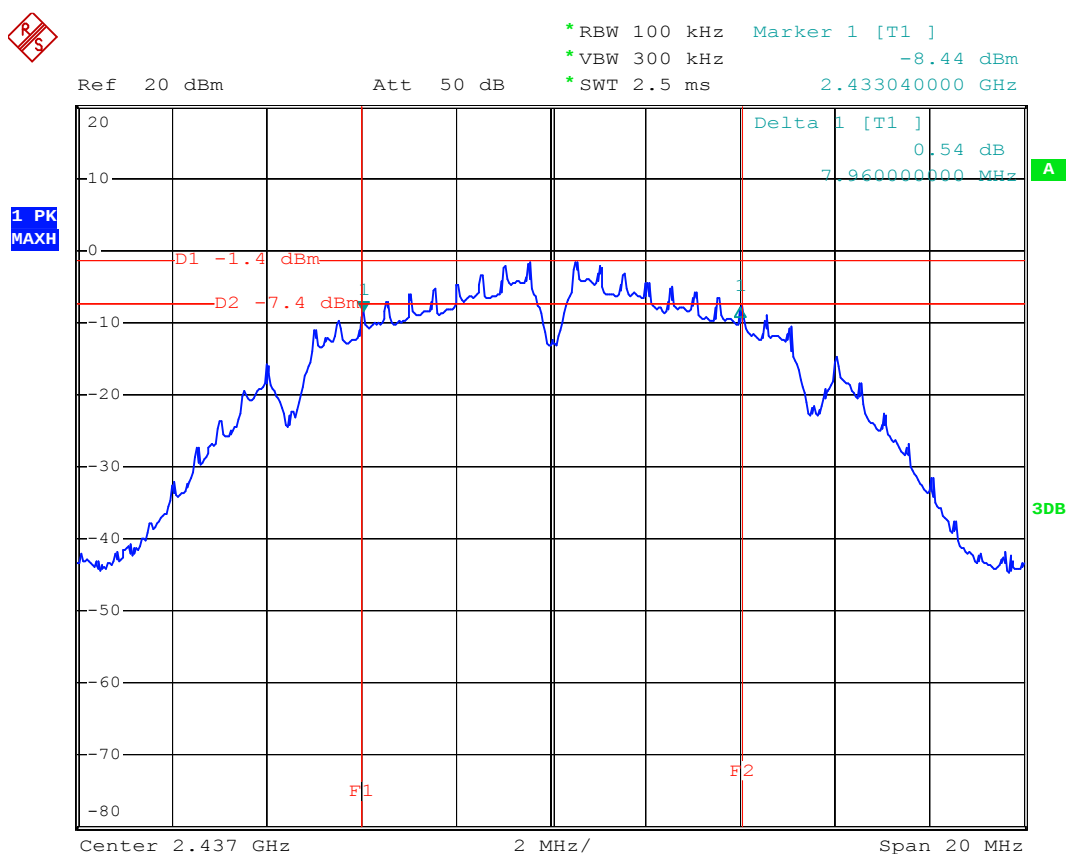
The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz



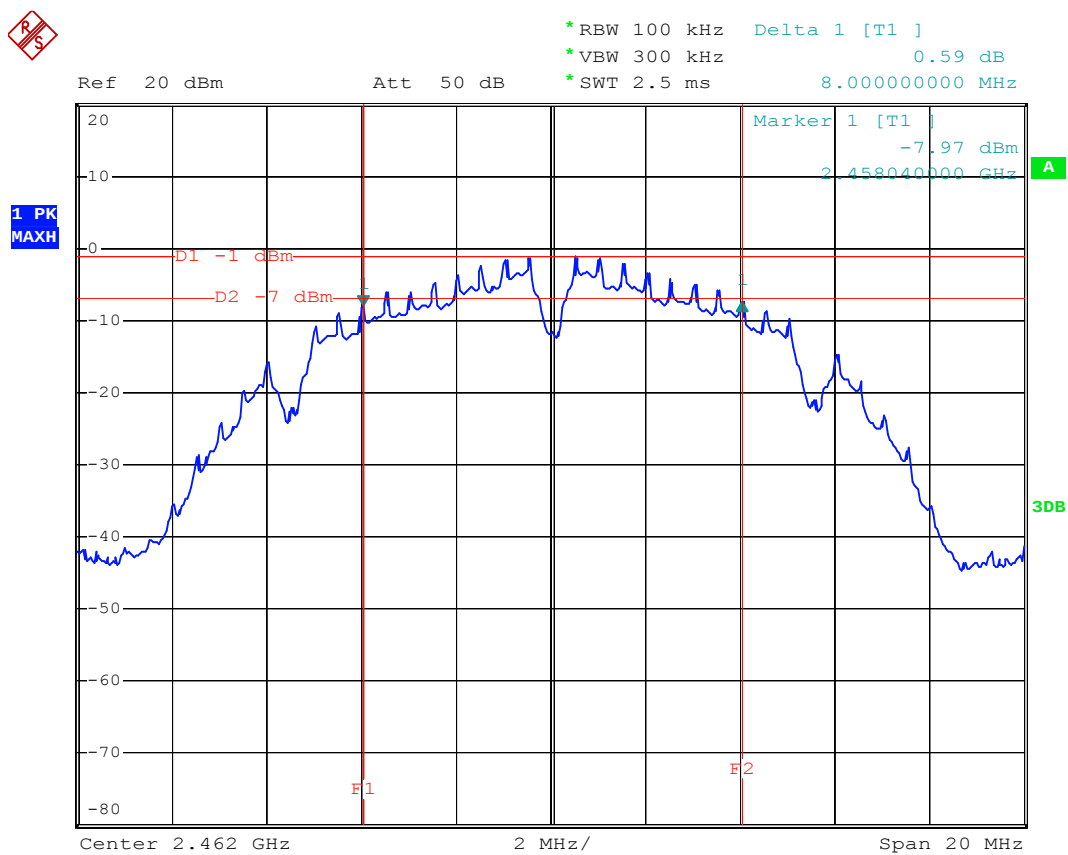
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802.11b Channel Middle 2437MHz



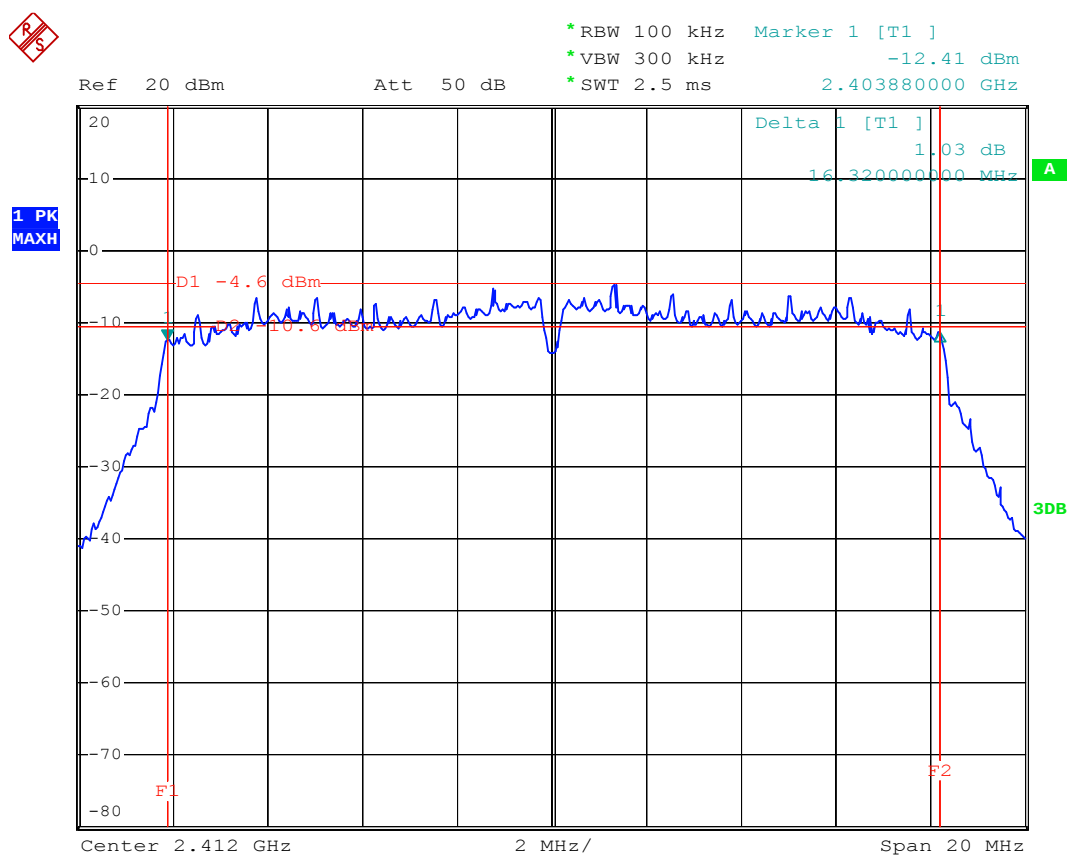
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802.11b Channel High 2462MHz



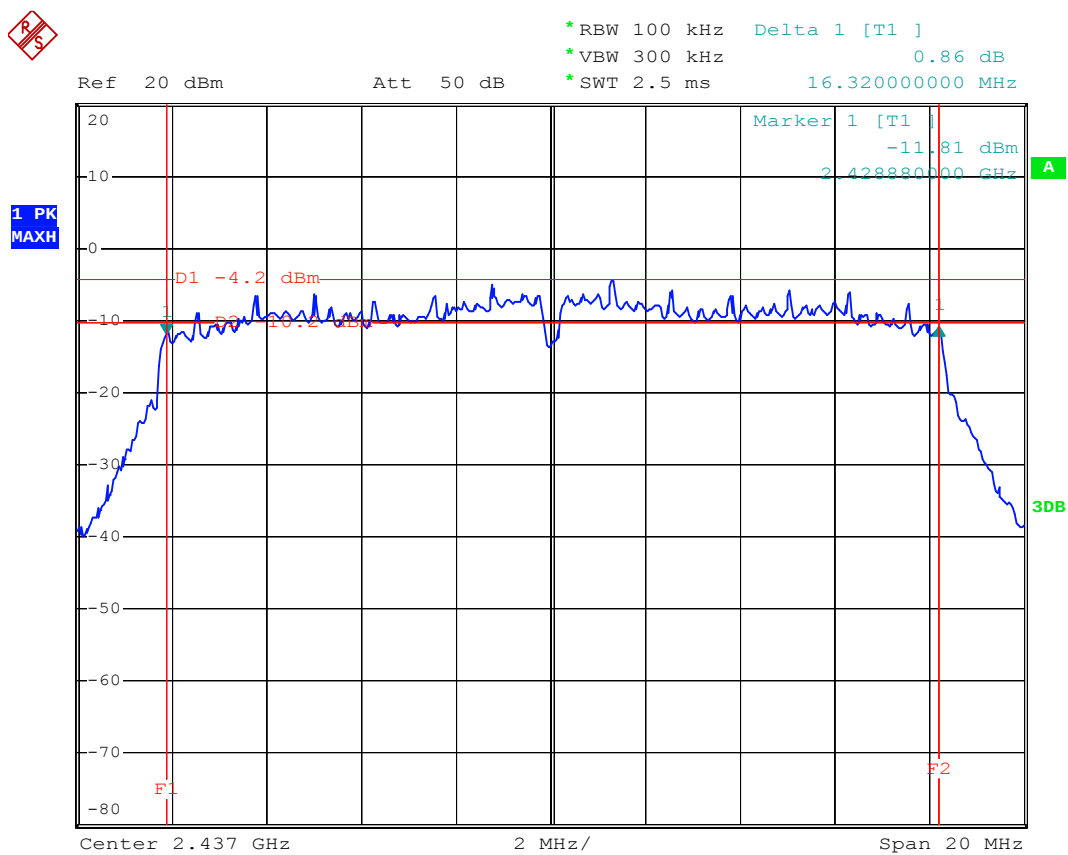
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802.11g Channel Low 2412MHz



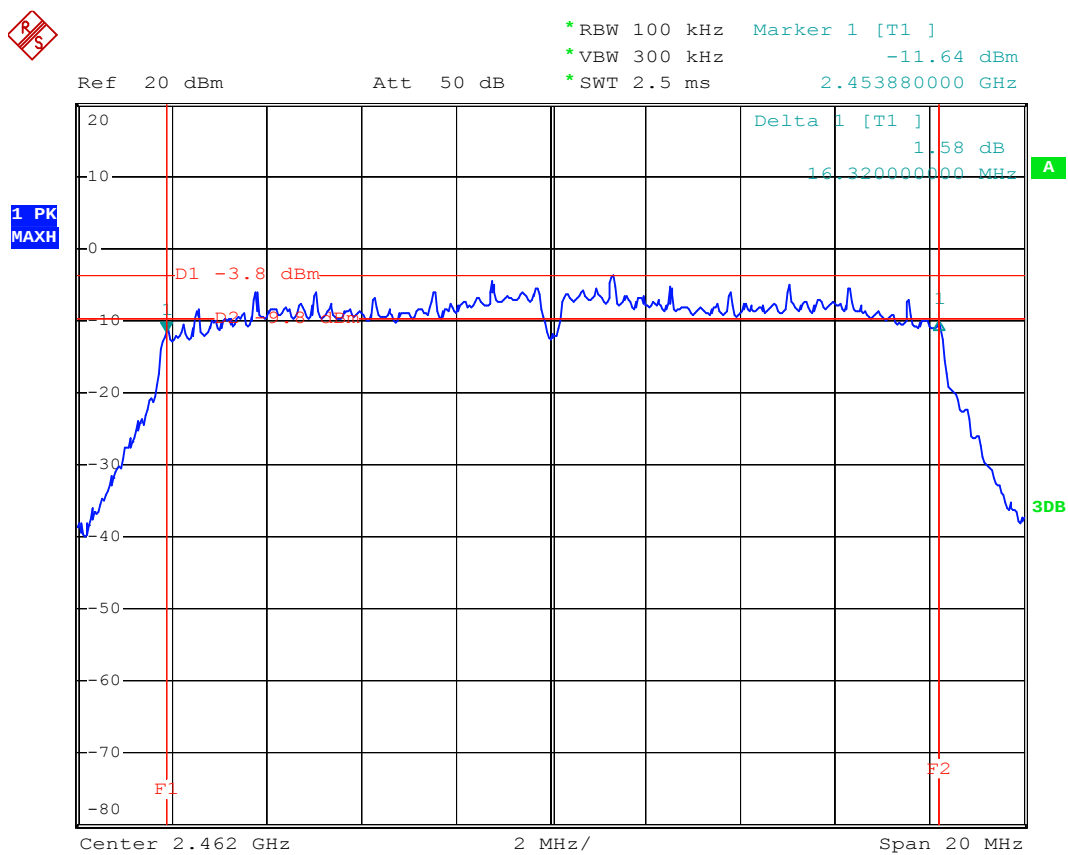
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802.11g Channel Middle 2437MHz



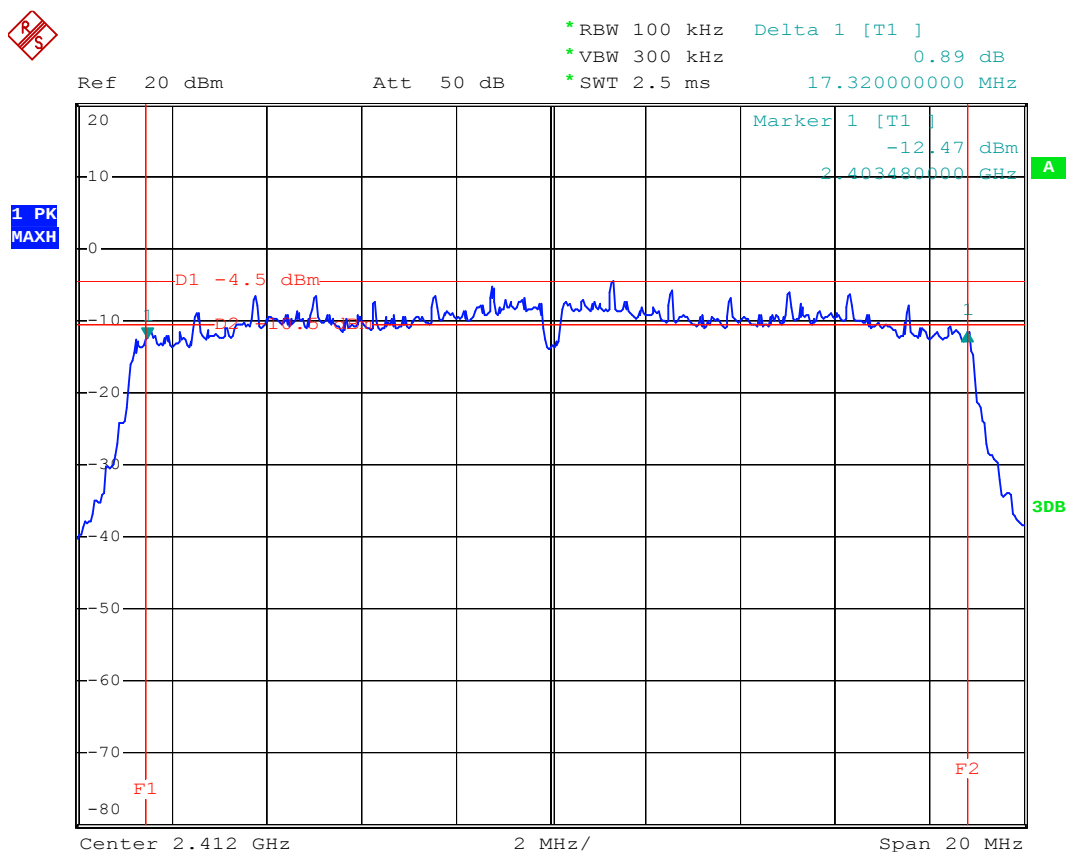
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802.11g Channel High 2462MHz



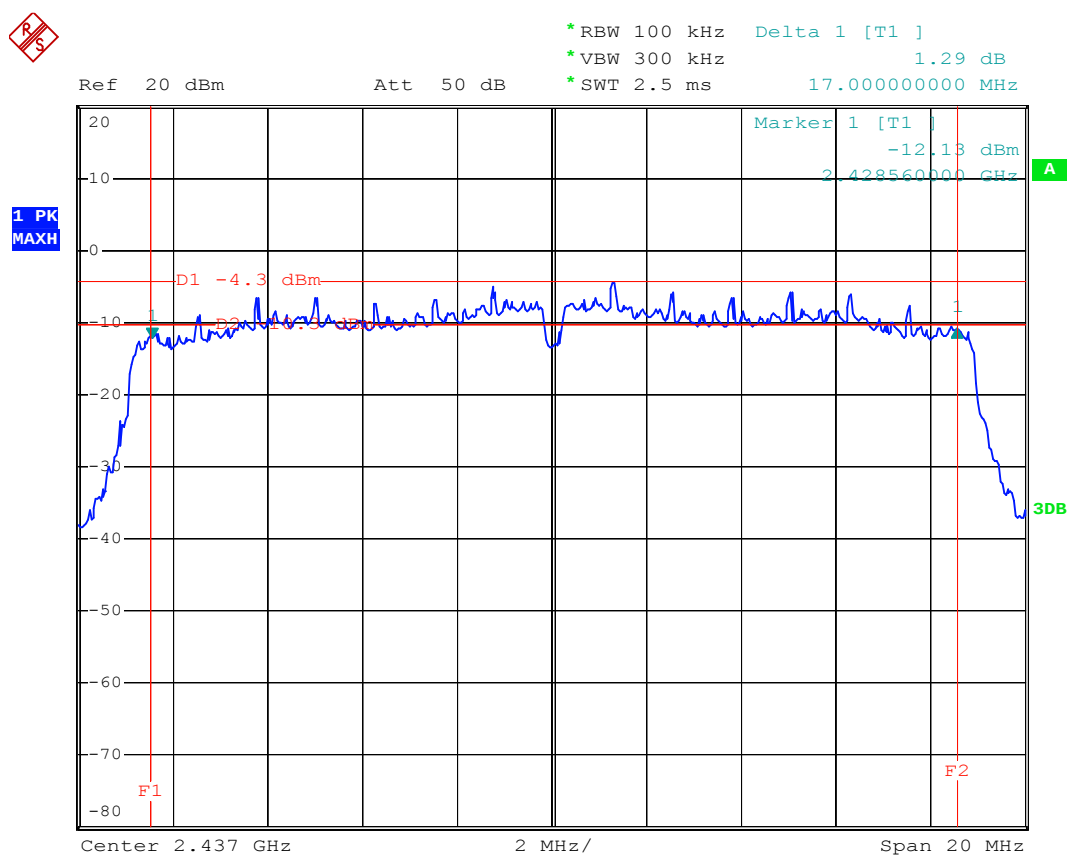
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802.11n Channel Low 2412MHz (20MHz)



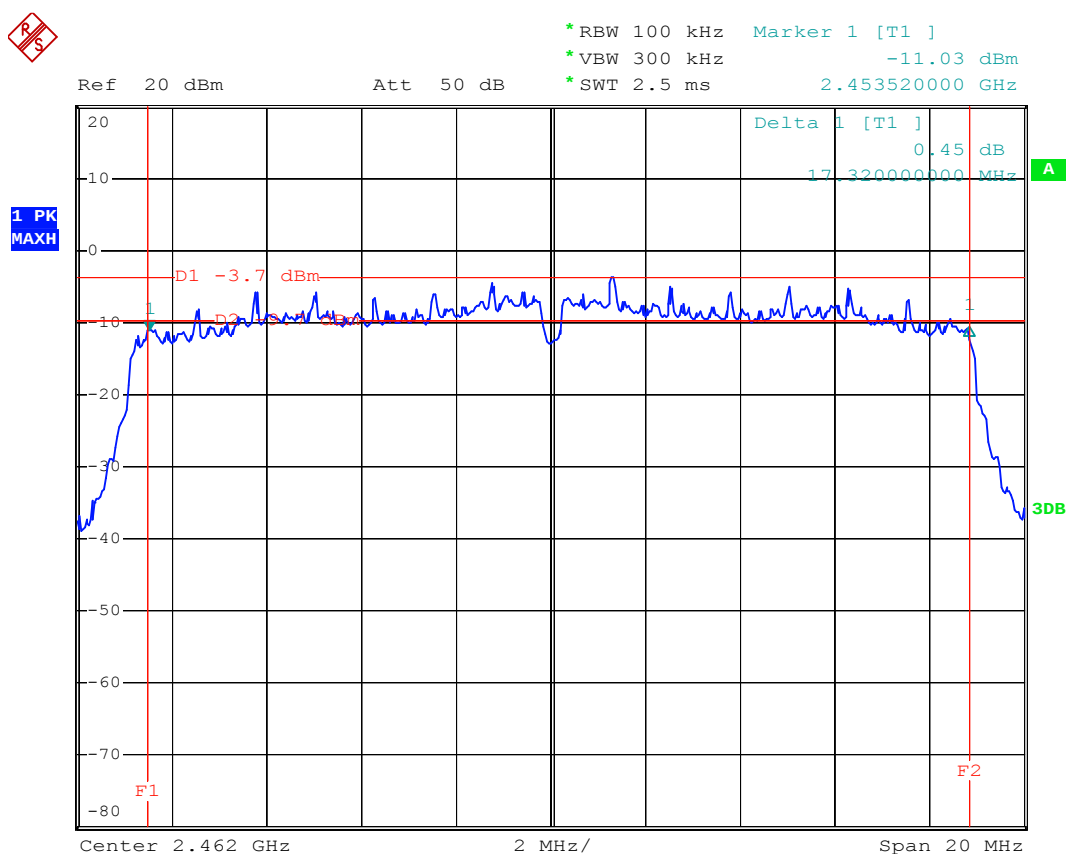
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802.11n Channel Middle 2437MHz(20MHz)



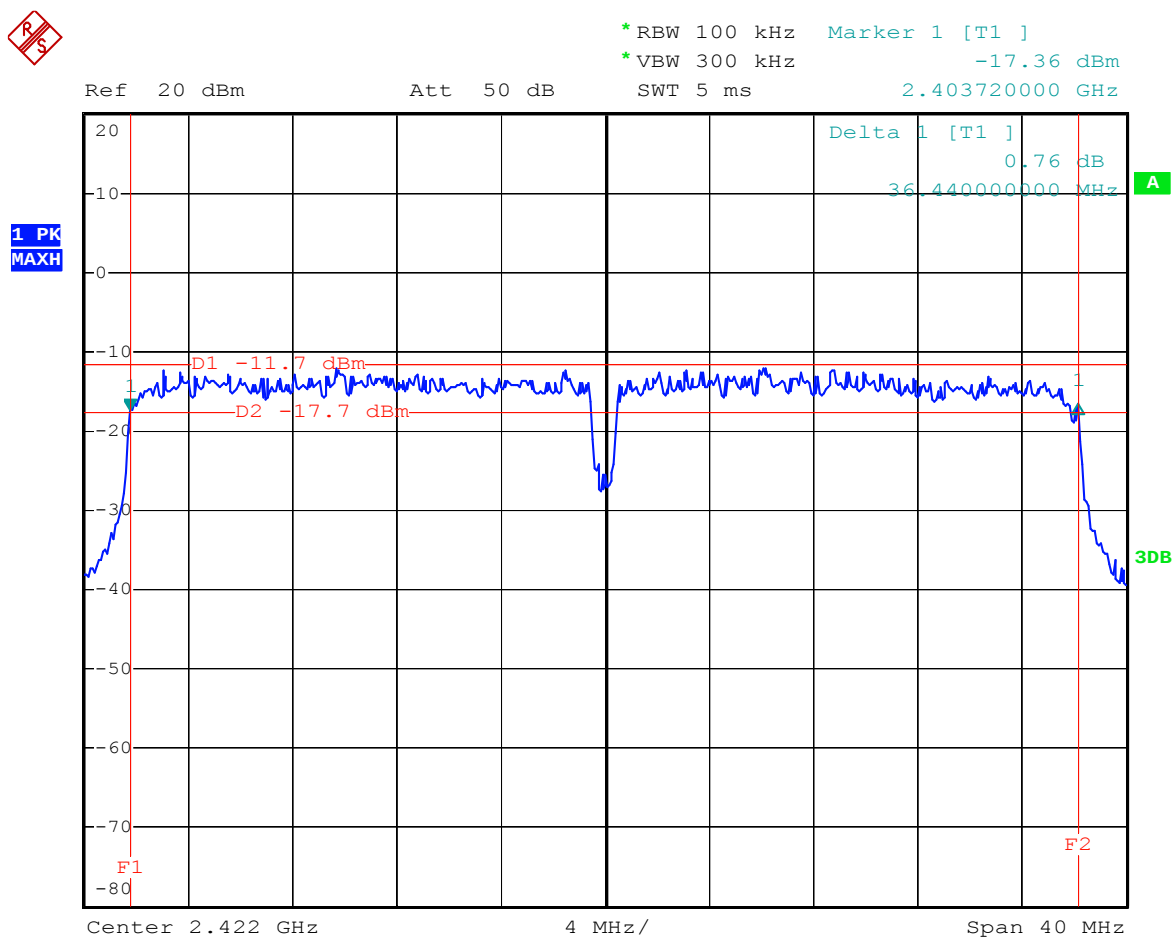
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802.11n Channel High 2462MHz(20MHz)



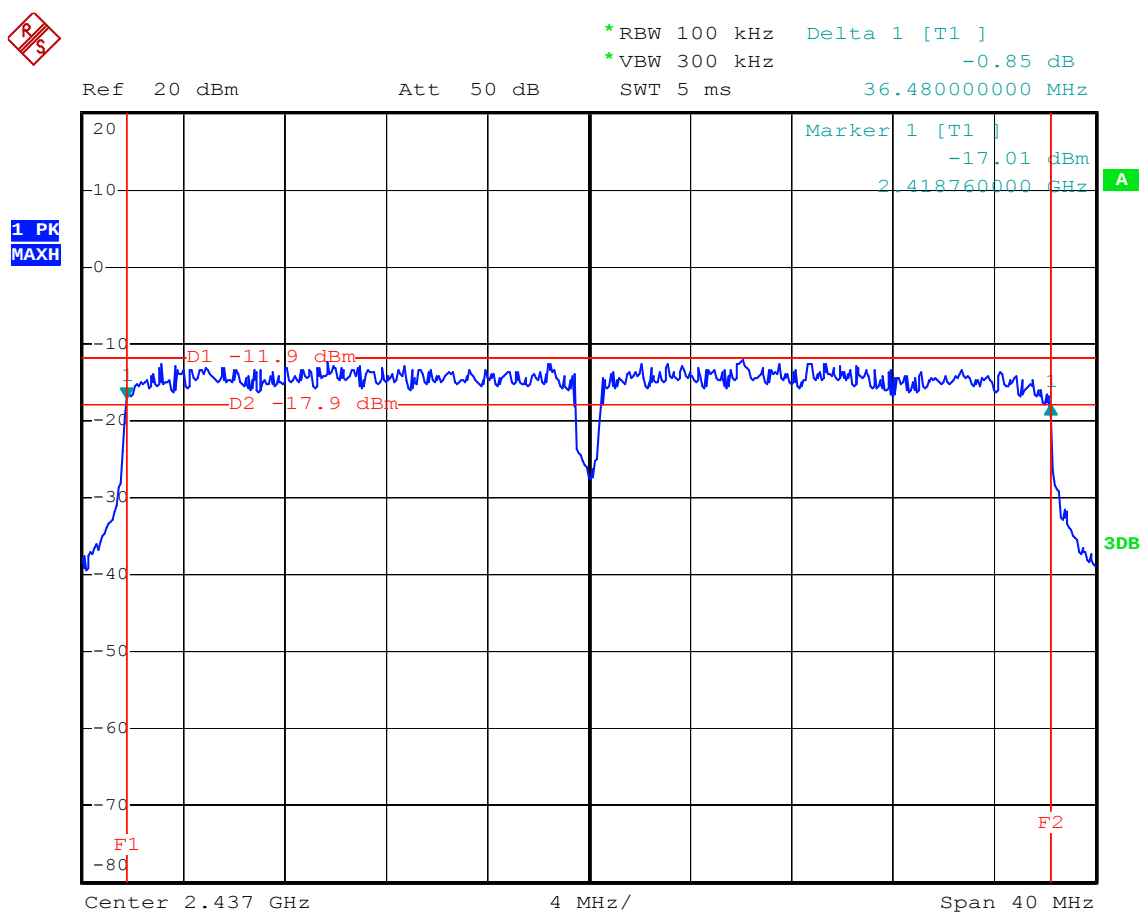
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802.11n Channel Low 2422MHz (40MHz)



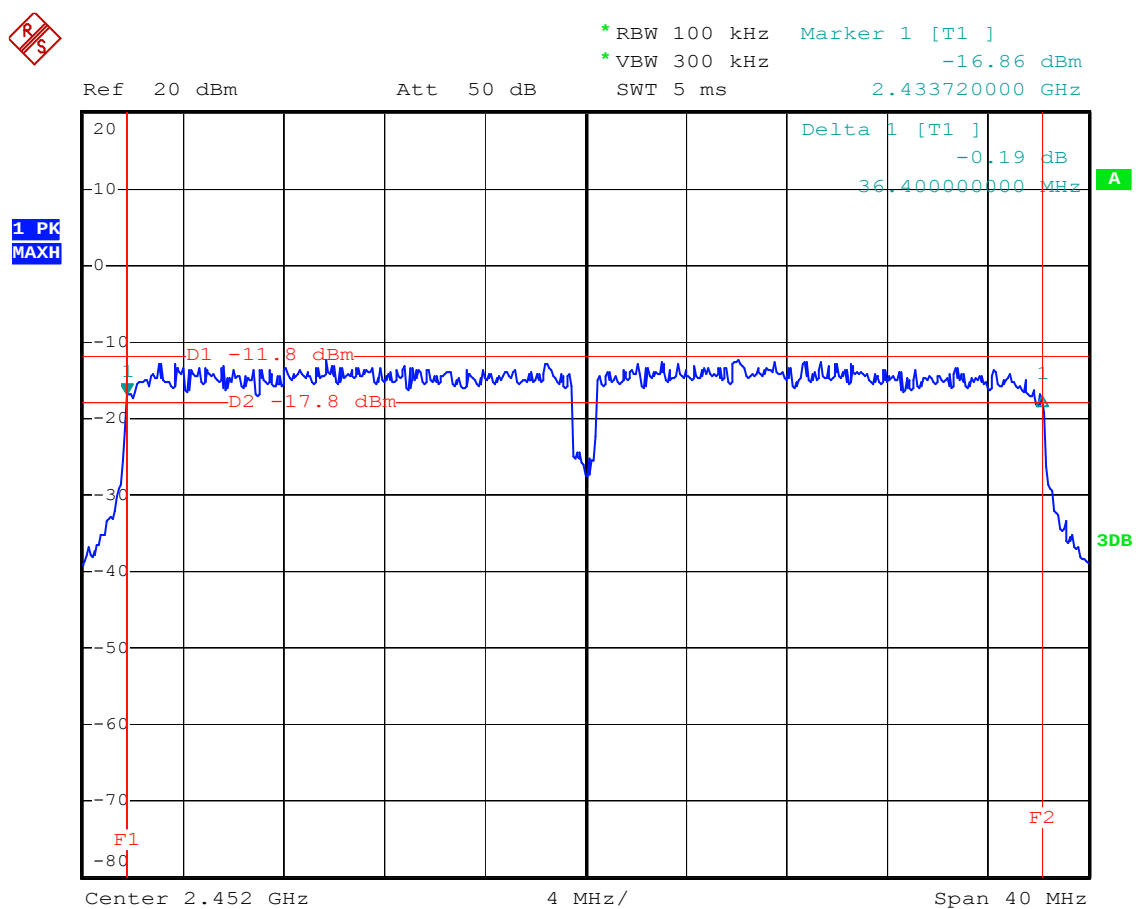
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802.11n Channel Middle 2437MHz(40MHz)



Date: 29.JAN.2013 18:43:45

802.11n Channel High 2452MHz(40MHz)



Date: 2. 29.JAN.2013 18:42:28

6. MAXIMUM PEAK OUTPUT POWER

6.1. Block Diagram of Test Setup



(EUT: 7 INCH TABLET)

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

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

6.3. EUT Configuration on Measurement

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

6.3.1. 7 INCH TABLET (EUT)

Model Number	:	C70
Serial Number	:	N/A
Manufacturer	:	Eken (HK) Electronics Co., Ltd.

6.4. Operating Condition of EUT

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

6.4.2. Turn on the power of all equipment.

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

6.5. Test Procedure

6.5.1. The EUT was tested according to DTS test procedure of October 04, 2012 KDB558074 D01 DTS Meas Guidance v02 for compliance to FCC 47CFR 15.247 requirements.

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

6.5.3. Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz.

6.5.4. Measurement the maximum peak output power.

6.6. Test Result

PASS.

Date of Test:	January 29, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60HZ
Test Mode:	TX	Test Engineer:	Pei

The test was performed with 802.11b

Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	8.24	6.67	30 dBm / 1 W
Middle	2437	8.11	6.47	30 dBm / 1 W
High	2462	8.74	7.48	30 dBm / 1 W

The test was performed with 802.11g

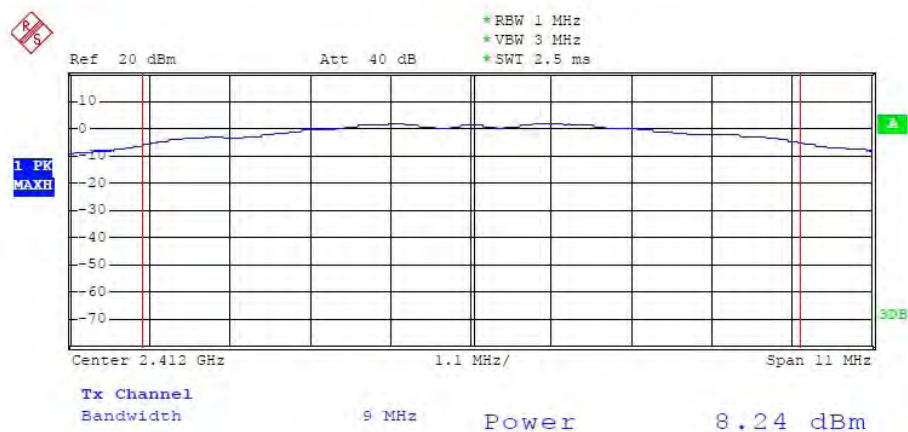
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	8.27	6.71	30 dBm / 1 W
Middle	2437	8.25	6.68	30 dBm / 1 W
High	2462	8.33	6.81	30 dBm / 1 W

The test was performed with 802.11n (20MHz)				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	8.76	7.52	30 dBm / 1 W
Middle	2437	8.64	7.31	30 dBm / 1 W
High	2462	8.81	7.60	30 dBm / 1 W

The test was performed with 802.11n (40MHz)				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2422	8.65	7.33	30 dBm / 1 W
Middle	2437	8.53	7.13	30 dBm / 1 W
High	2452	8.72	7.45	30 dBm / 1 W

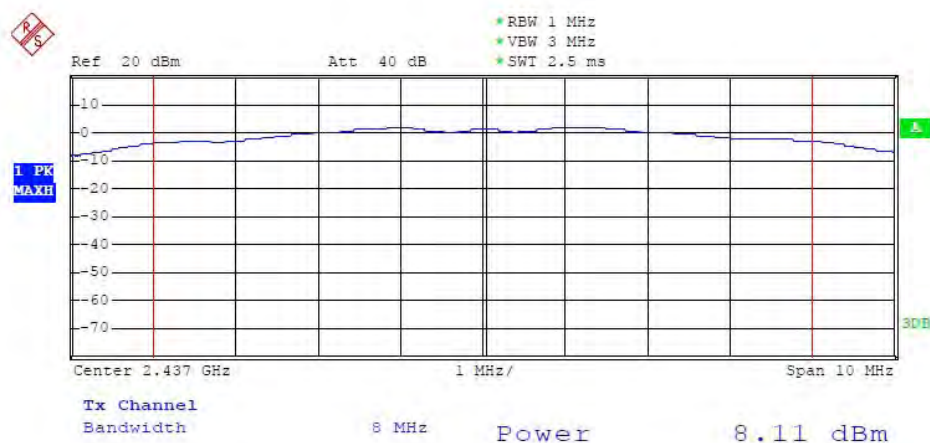
The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz



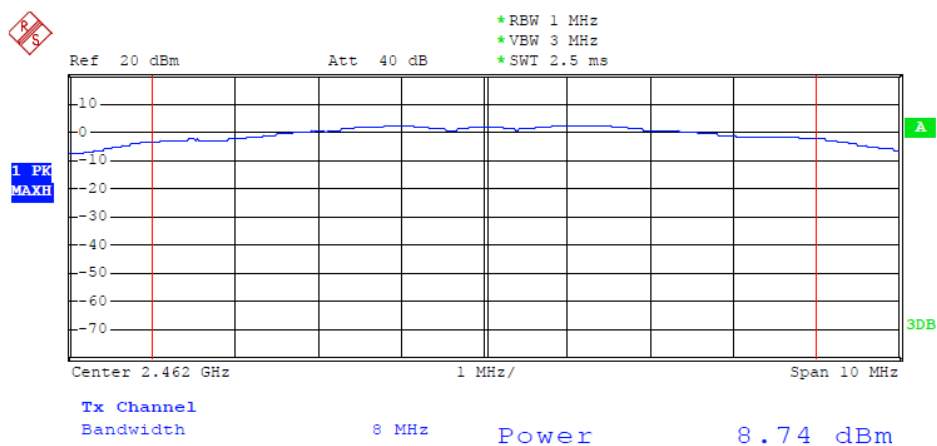
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802.11b Channel Middle 2437MHz



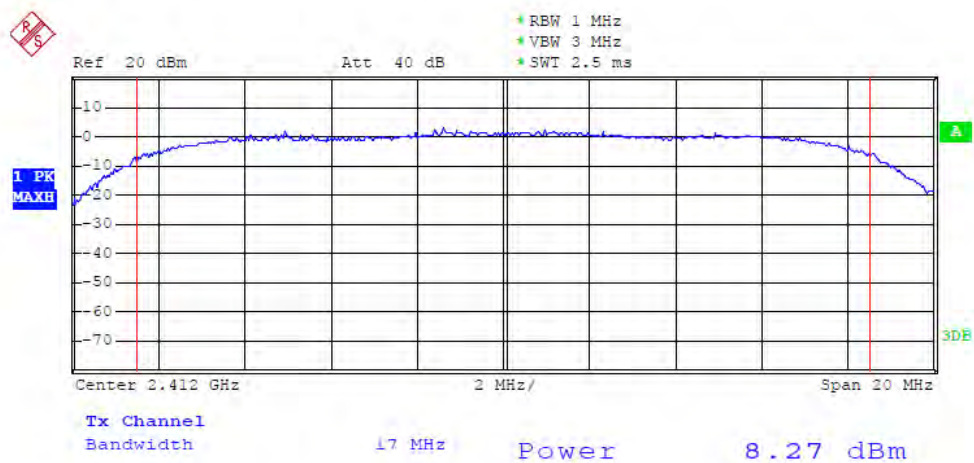
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802.11b Channel High 2462MHz



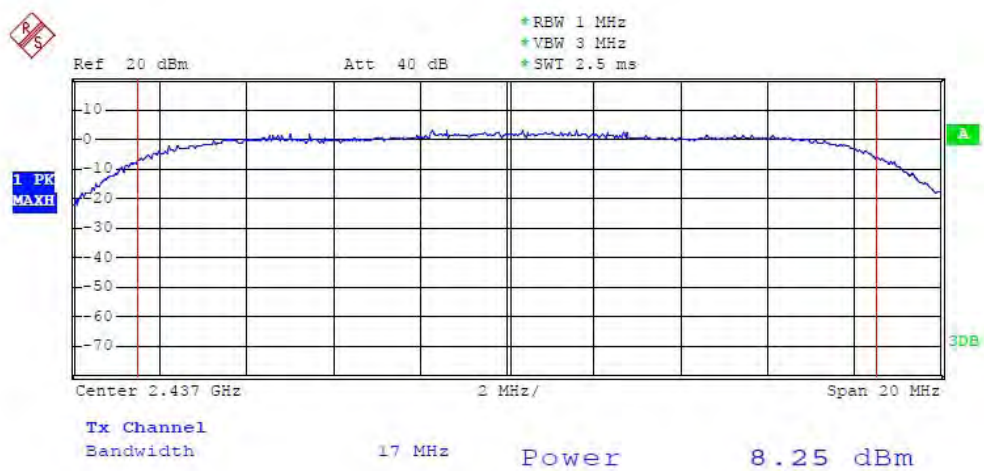
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802.11g Channel Low 2412MHz



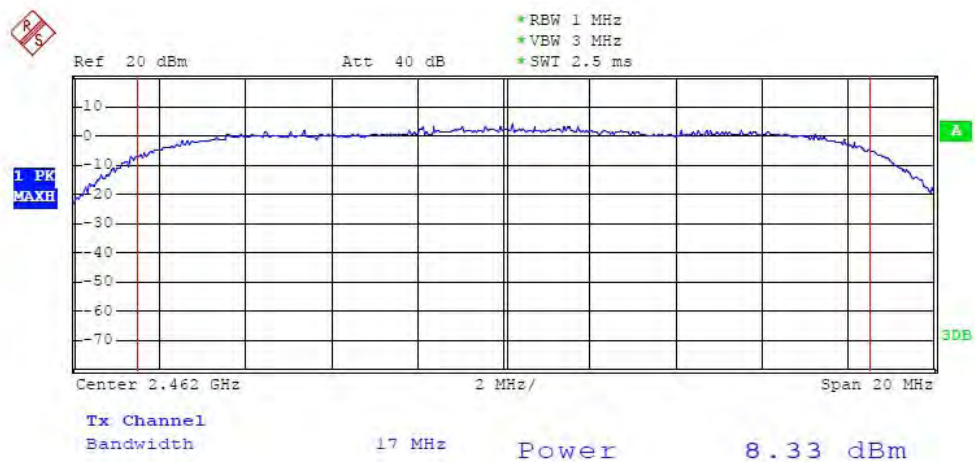
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802.11g Channel Middle 2437MHz



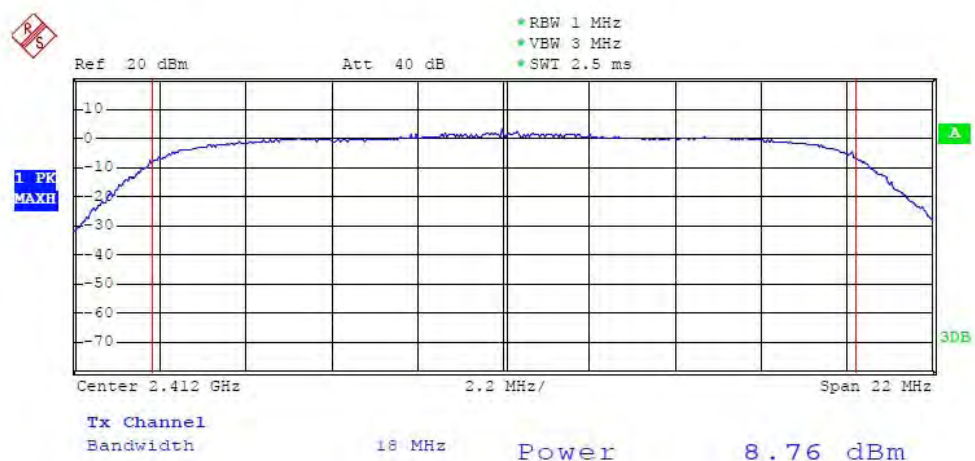
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802.11g Channel High 2462MHz



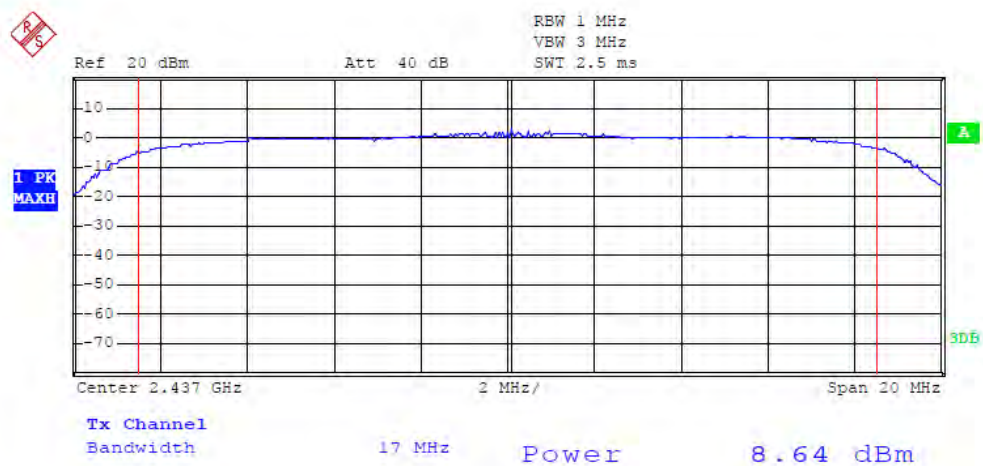
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802.11n Channel Low 2412MHz (20MHz)



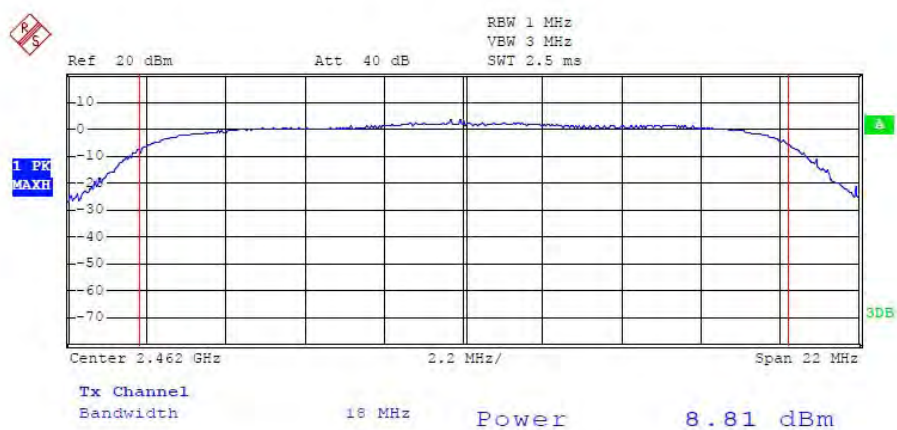
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802.11n Channel Middle 2437MHz (20MHz)



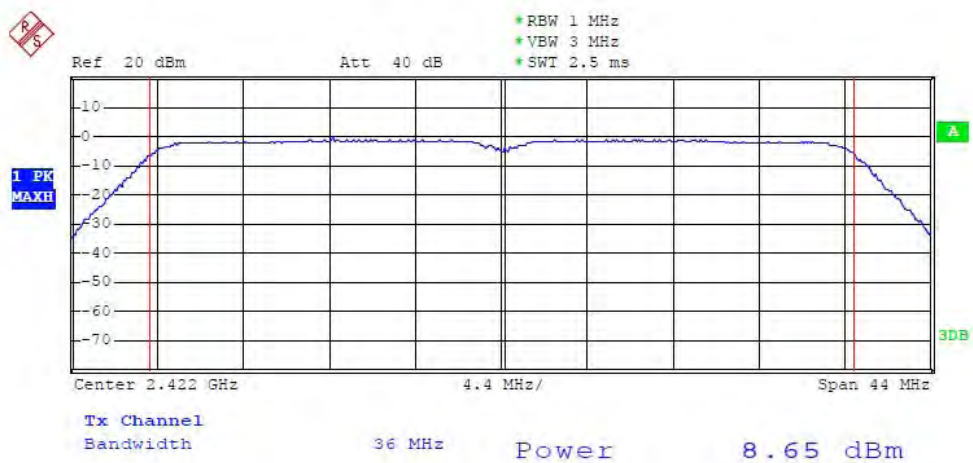
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802.11n Channel High 2462MHz (20MHz)



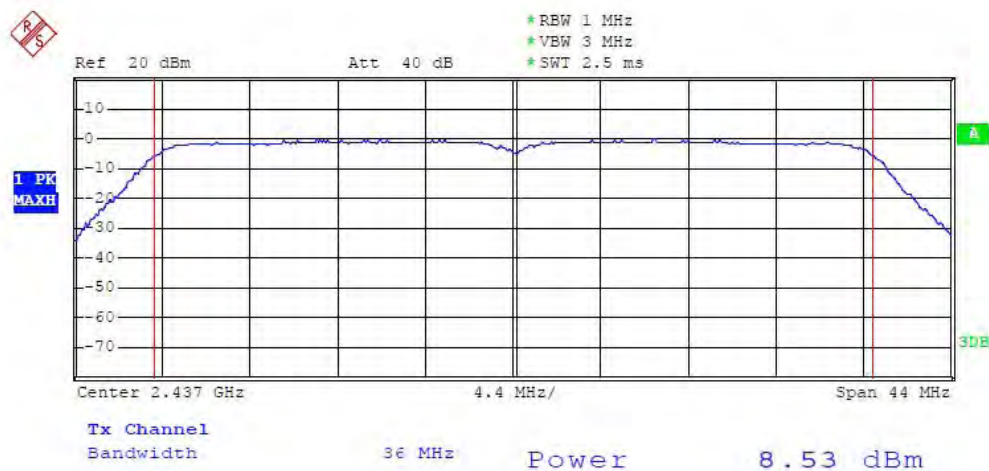
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802.11n Channel Low 2422MHz (40MHz)



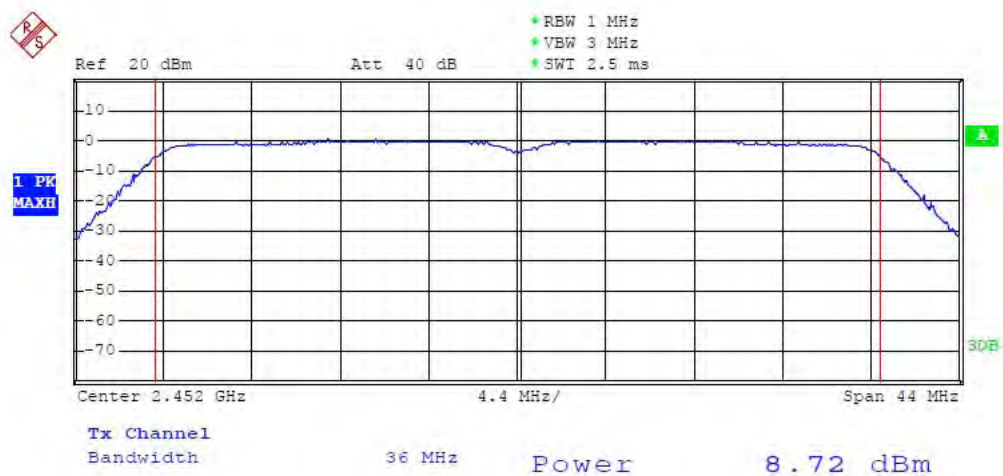
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802.11n Channel Middle 2437MHz (40MHz)



Date: 29.JAN.2013 14:38:26

802.11n Channel High 2452MHz (40MHz)



Date: 29.JAN.2013 14:39:18

7. POWER SPECTRAL DENSITY MEASUREMENT

7.1. Block Diagram of Test Setup



(EUT: 7 INCH TABLET)

7.2. The Requirement For Section 15.247(e)

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

7.3. EUT Configuration on Measurement

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

7.3.1. 7 INCH TABLET (EUT)

Model Number	:	C70
Serial Number	:	N/A
Manufacturer	:	Eken (HK) Electronics Co., Ltd.

7.4. Operating Condition of EUT

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

7.4.2. Turn on the power of all equipment.

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

7.5. Test Procedure

7.5.1. The EUT was tested according to DTS test procedure of October 04, 2012 KDB558074 D01 DTS Meas Guidance v02 for compliance to FCC 47CFR 15.247 requirements.

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

7.5.3. Measurement Procedure PKPSD:

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

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS channel bandwidth.
3. Set the RBW $\geq$ 3 kHz.
4. Set the VBW $\geq$ 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.

7.5.4. Measurement the maximum power spectral density.

7.6.Test Result

PASS.

Date of Test:	January 29, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60HZ
Test Mode:	TX	Test Engineer:	Pei

The test was performed with 802.11b

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-19.63	8 dBm
Middle	2437	-16.84	8 dBm
High	2462	-15.55	8 dBm

The test was performed with 802.11g

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-19.38	8 dBm
Middle	2437	-19.05	8 dBm
High	2462	-18.27	8 dBm

The test was performed with 802.11n (20MHz)

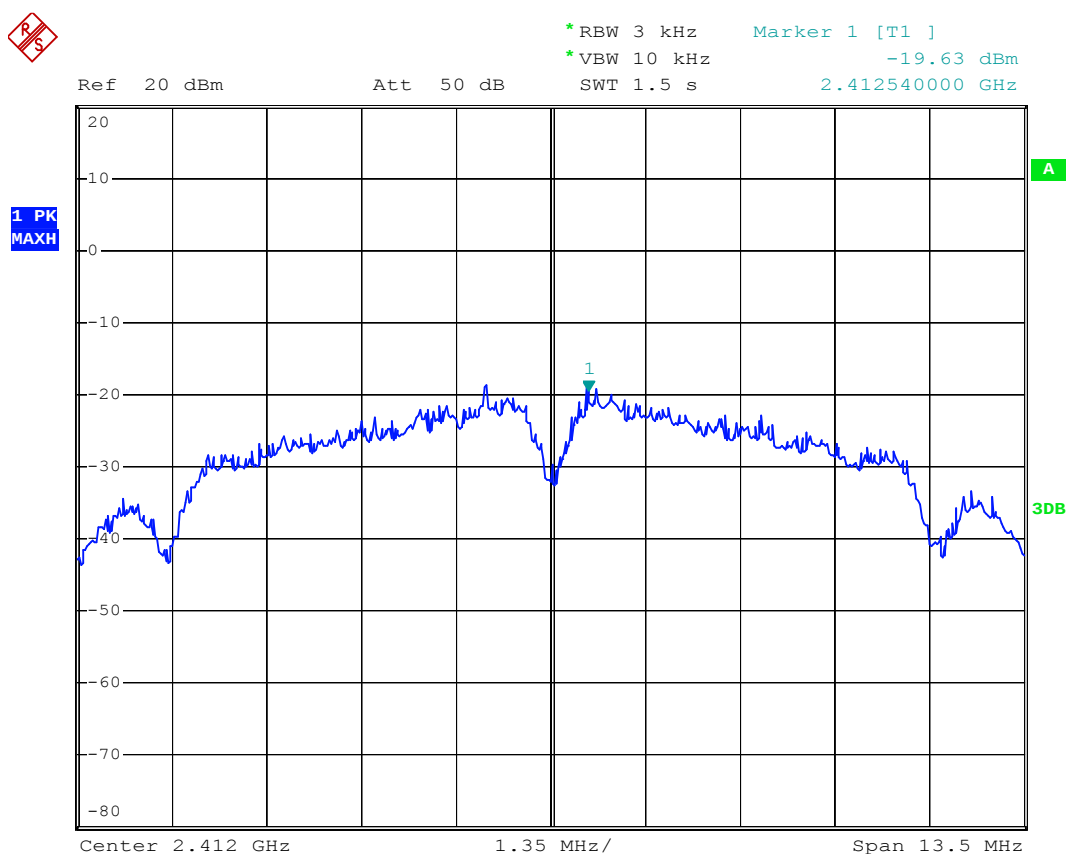
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2412	-19.41	8 dBm
Middle	2437	-18.79	8 dBm
High	2462	-18.03	8 dBm

The test was performed with 802.11n (40MHz)

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)
Low	2422	-26.33	8 dBm
Middle	2437	-25.70	8 dBm
High	2452	-26.07	8 dBm

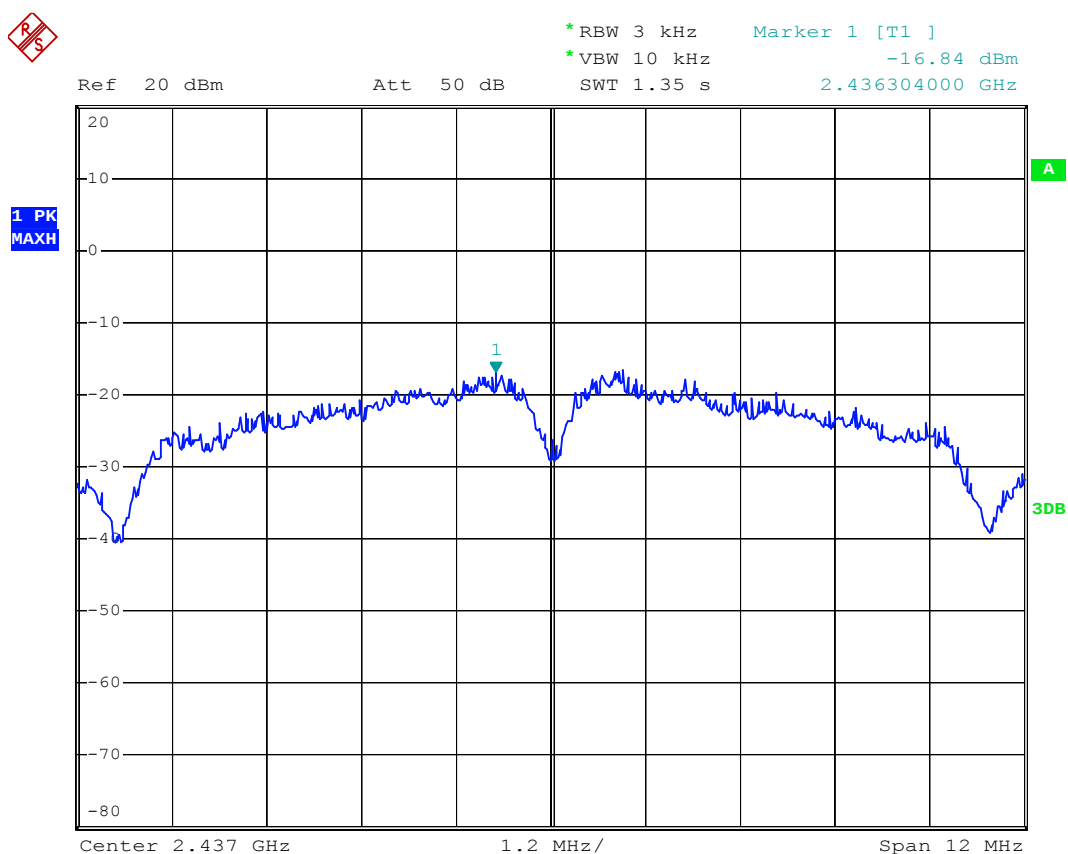
The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz



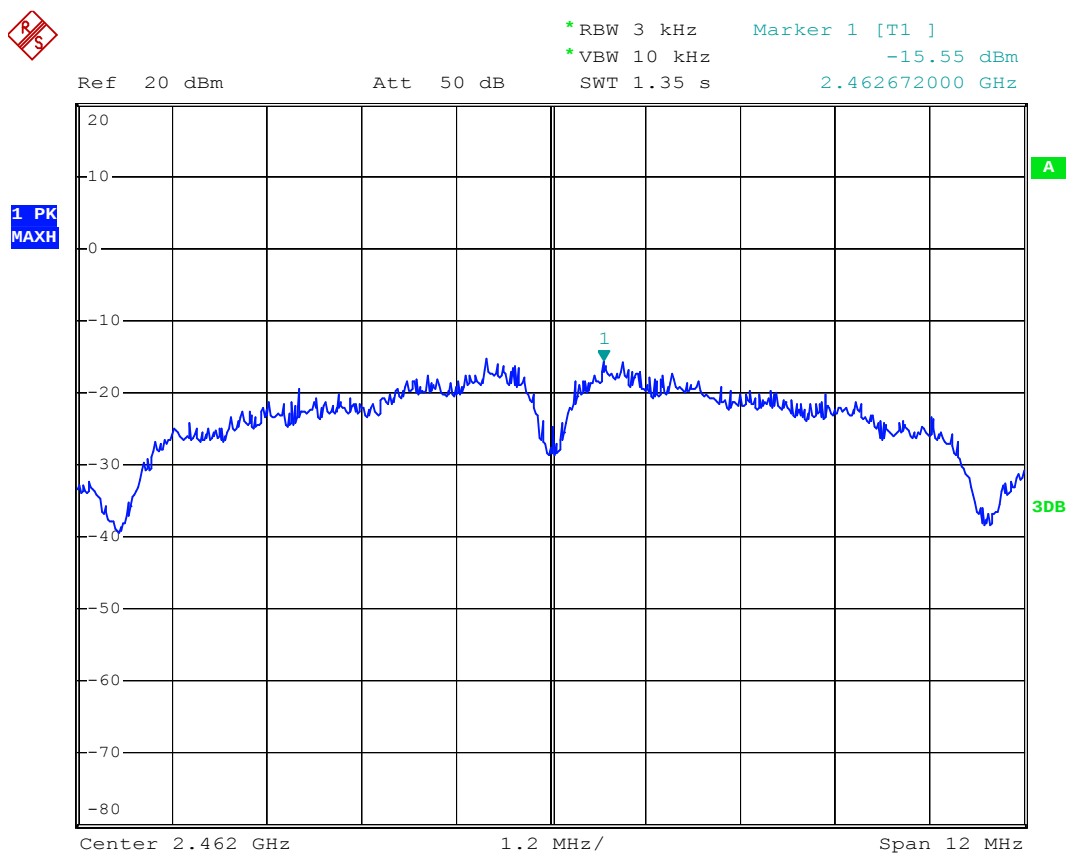
Date: 29.JAN.2013 09:47:11

802.11b Channel Middle 2437MHz



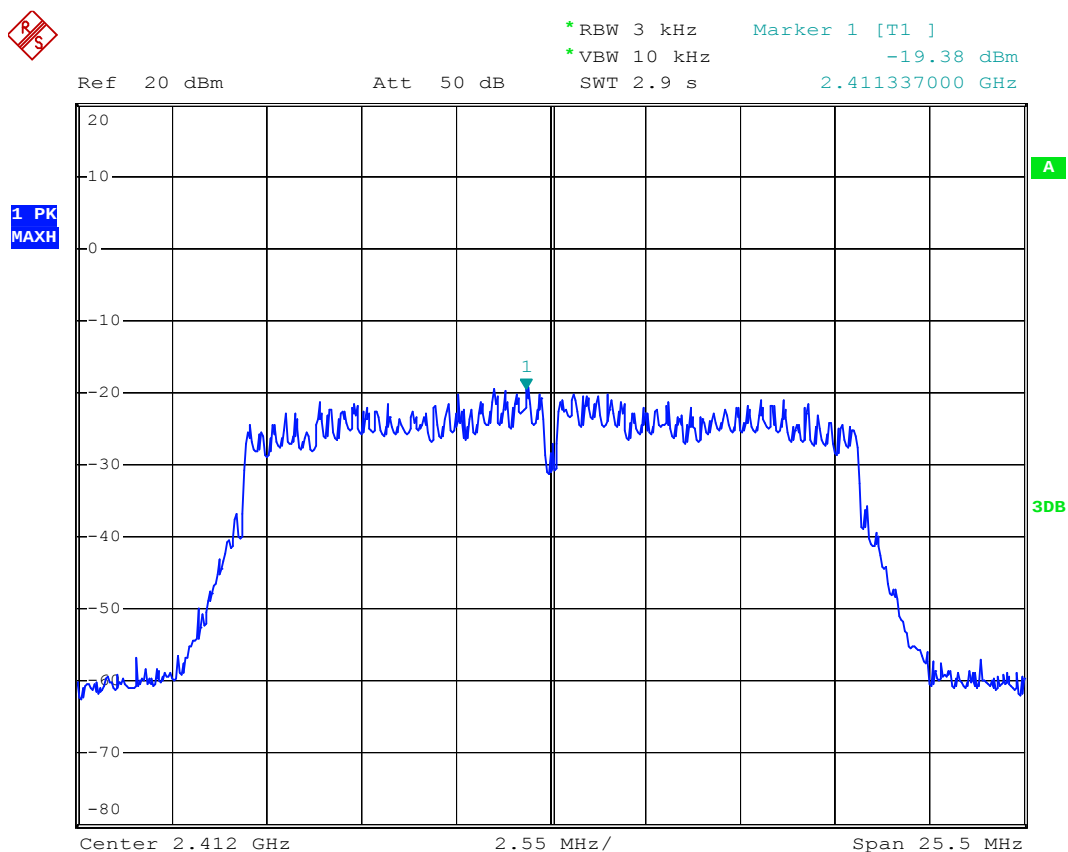
Date: 29.JAN.2013 09:48:37

802.11b Channel High 2462MHz



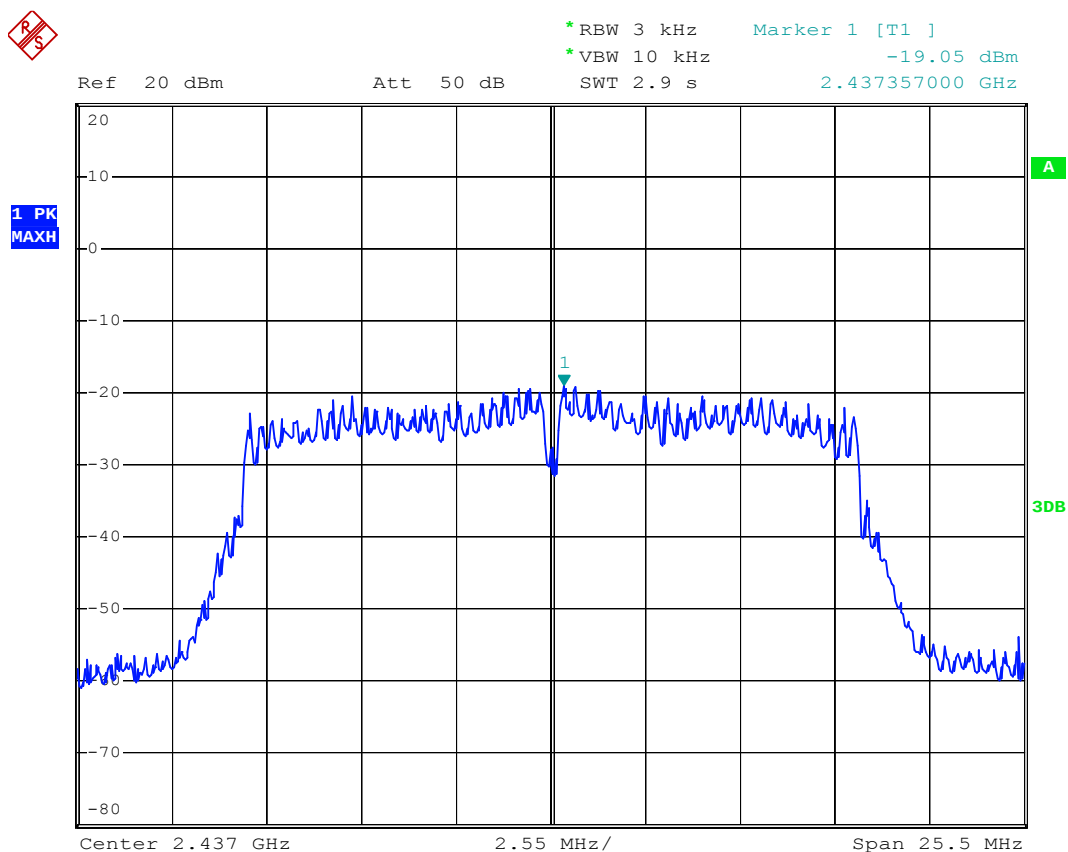
Date: 29.JAN.2013 09:49:31

802.11g Channel Low 2412MHz



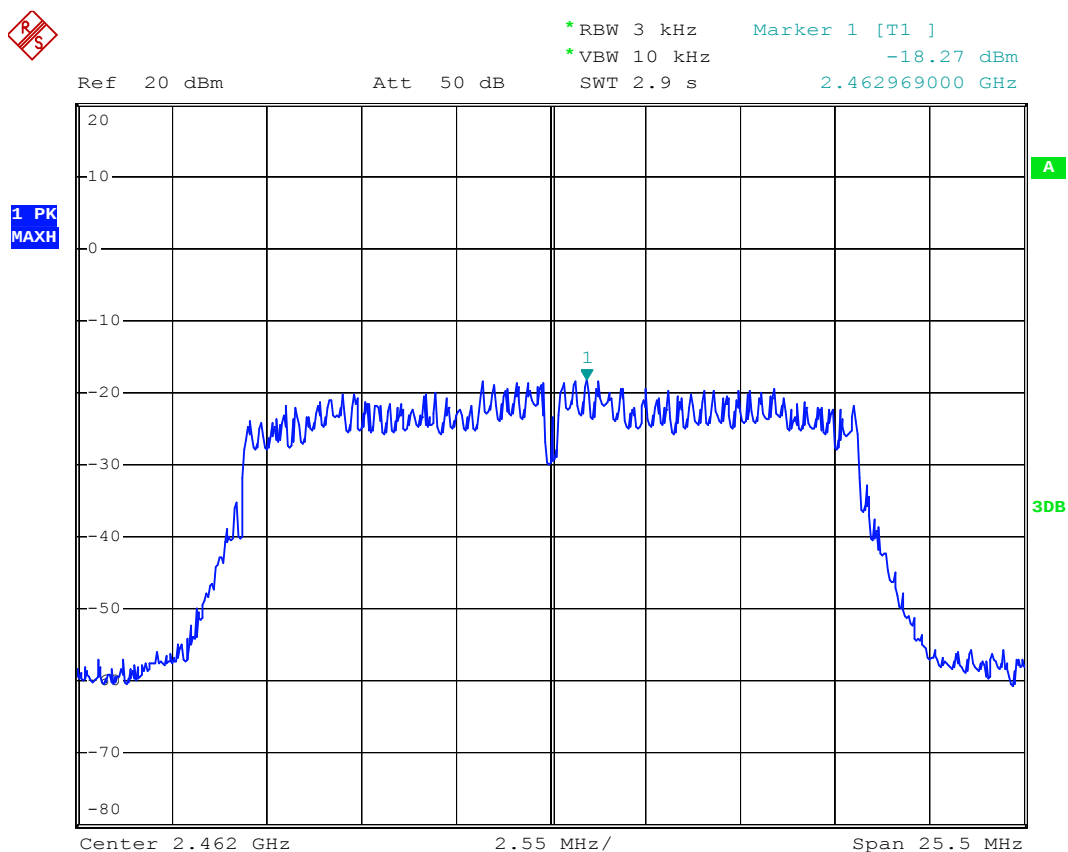
Date: 29.JAN.2013 09:52:11

802.11g Channel Middle 2437MHz



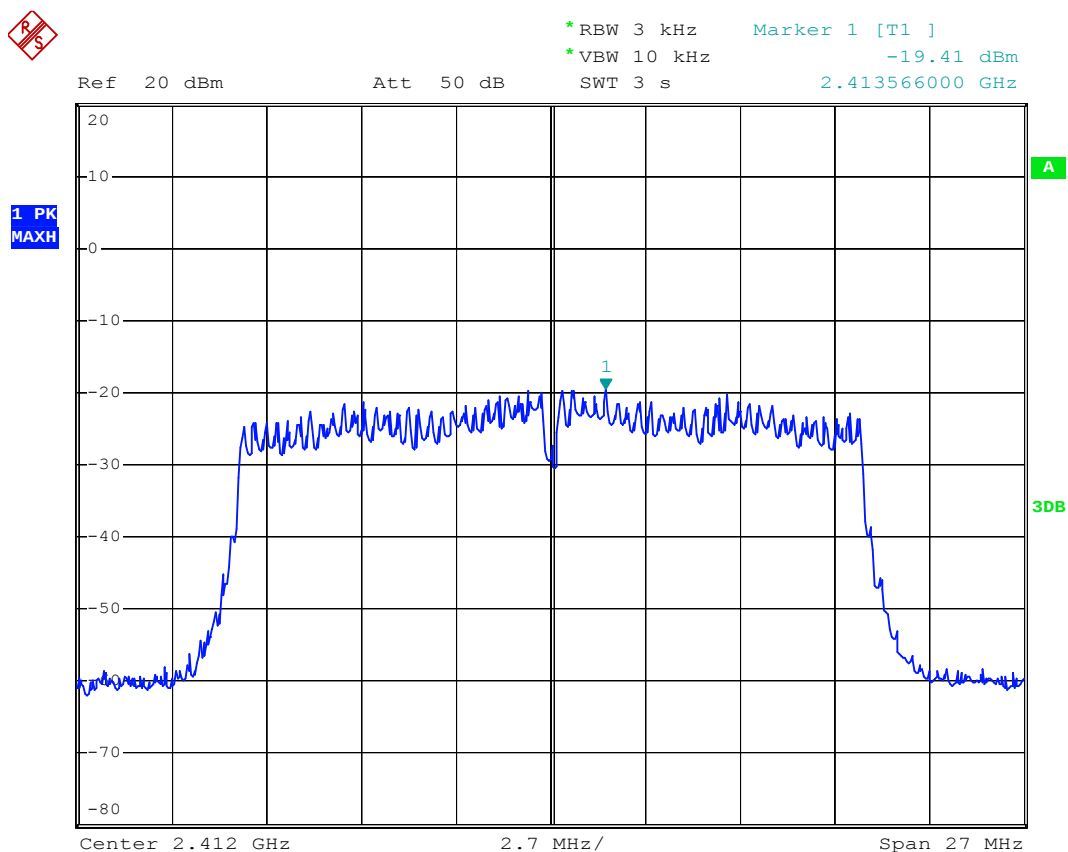
Date: 29.JAN.2013 09:51:41

802.11g Channel High 2462MHz



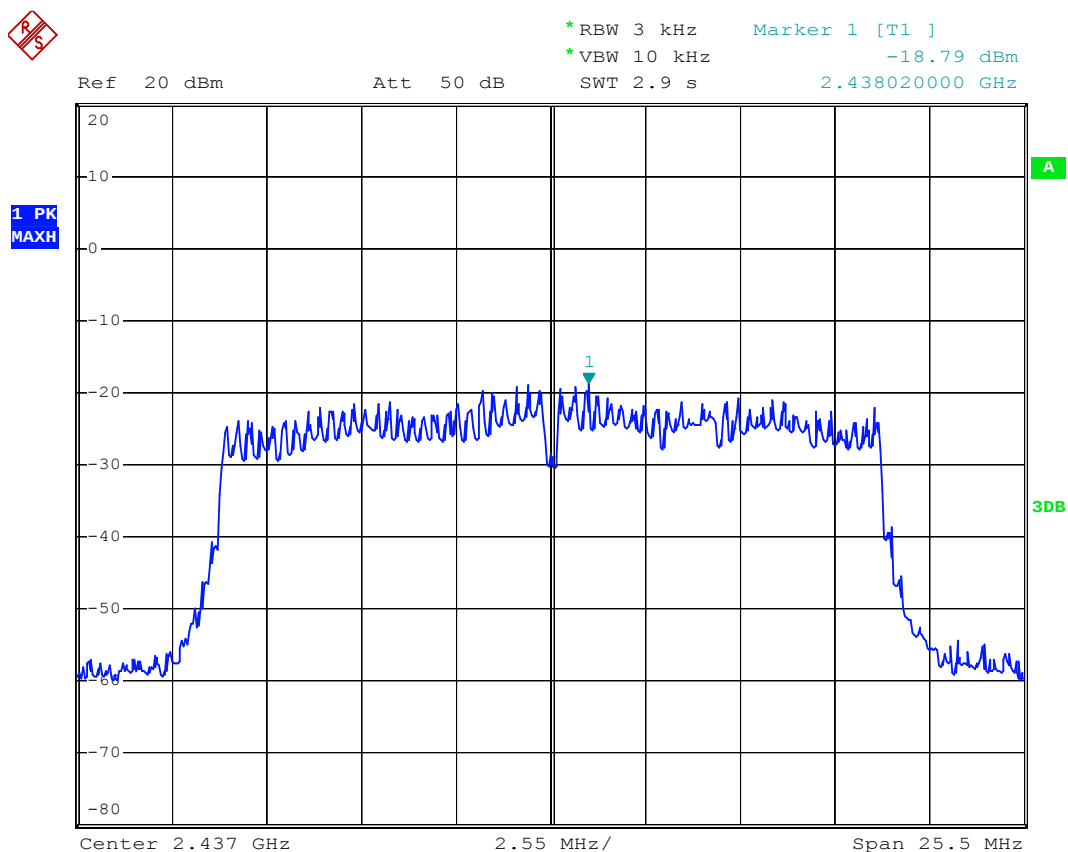
Date: 29.JAN.2013 09:51:07

802.11n Channel Low 2412MHz (20MHz)



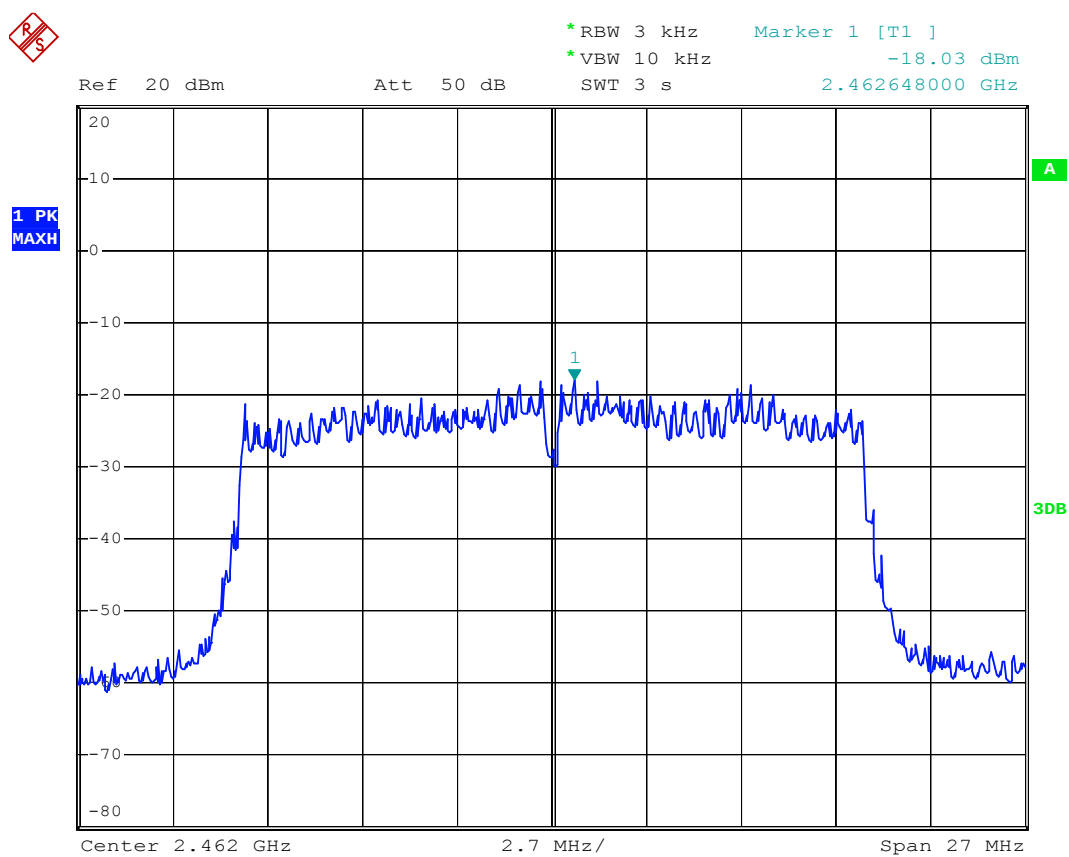
Date: 29.JAN.2013 09:53:44

802.11n Channel Middle 2437MHz (20MHz)



Date: 29.JAN.2013 09:55:20

802.11n Channel High 2462MHz(20MHz)



Date: 29.JAN.2013 09:54:33

802.11n Channel Low 2422MHz (40MHz)



* RBW 3 kHz Marker 1 [T1]
* VBW 10 kHz -26.33 dBm
SWT 6.8 s 2.414440000 GHz

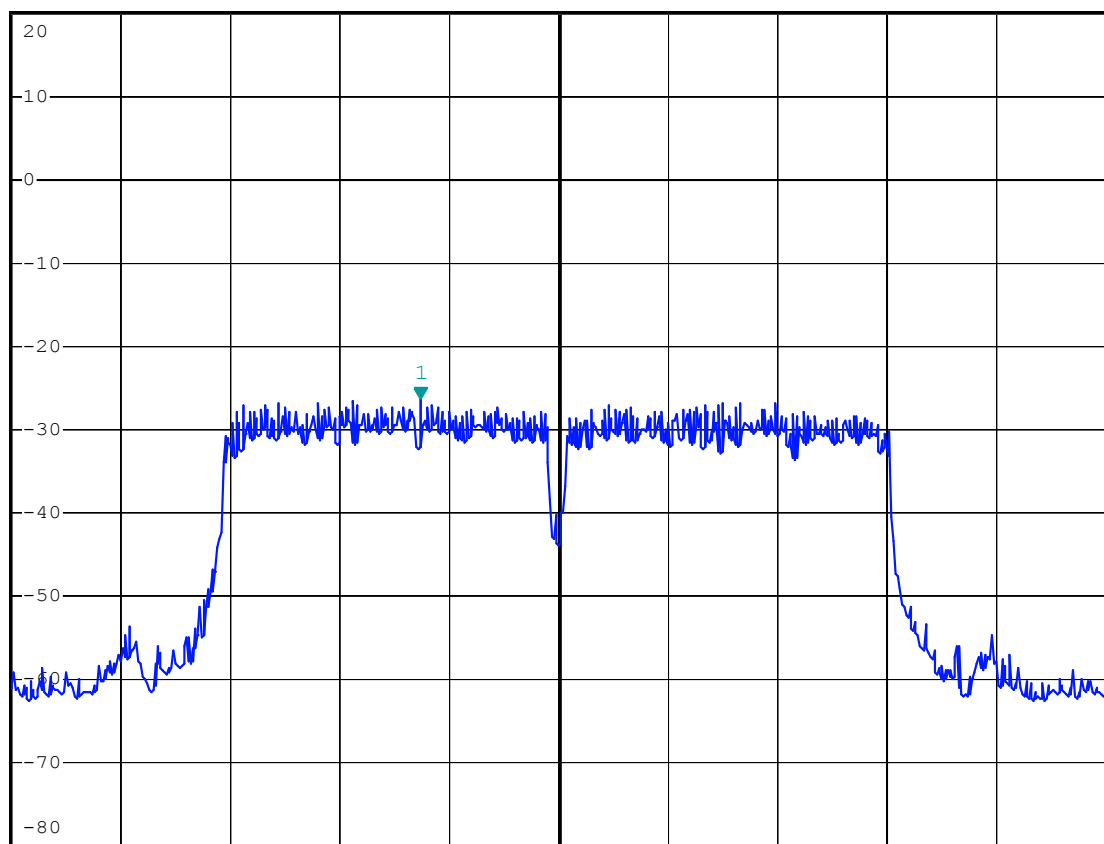
Ref 20 dBm

Att 50 dB

SWT 6.8 s

2.414440000 GHz

1 PK
MAXH



Center 2.422 GHz

6 MHz/

Span 60 MHz

Date: 29.JAN.2013 19:22:53

802.11n Channel Middle 2437MHz(40MHz)



* RBW 3 kHz Marker 1 [T1]
* VBW 10 kHz -25.70 dBm
SWT 6.8 s 2.444800000 GHz

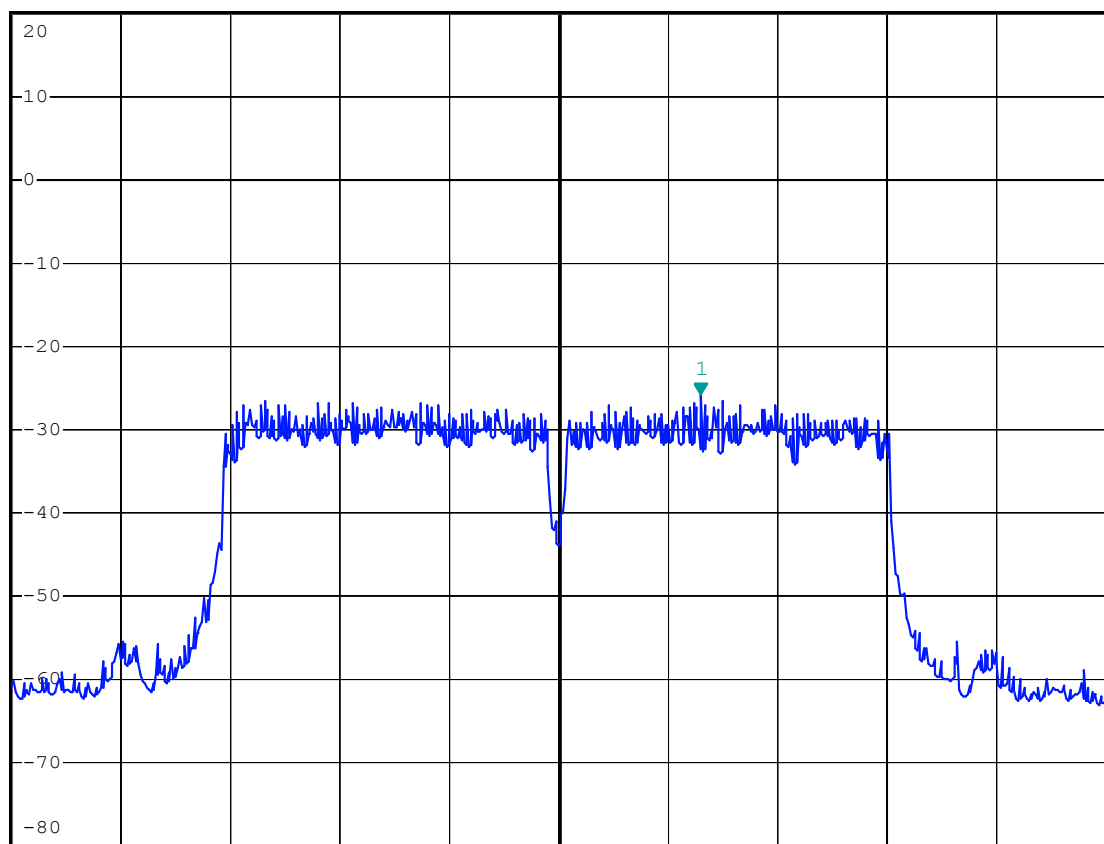
Ref 20 dBm

Att 50 dB

SWT 6.8 s

2.444800000 GHz

1 PK
MAXH



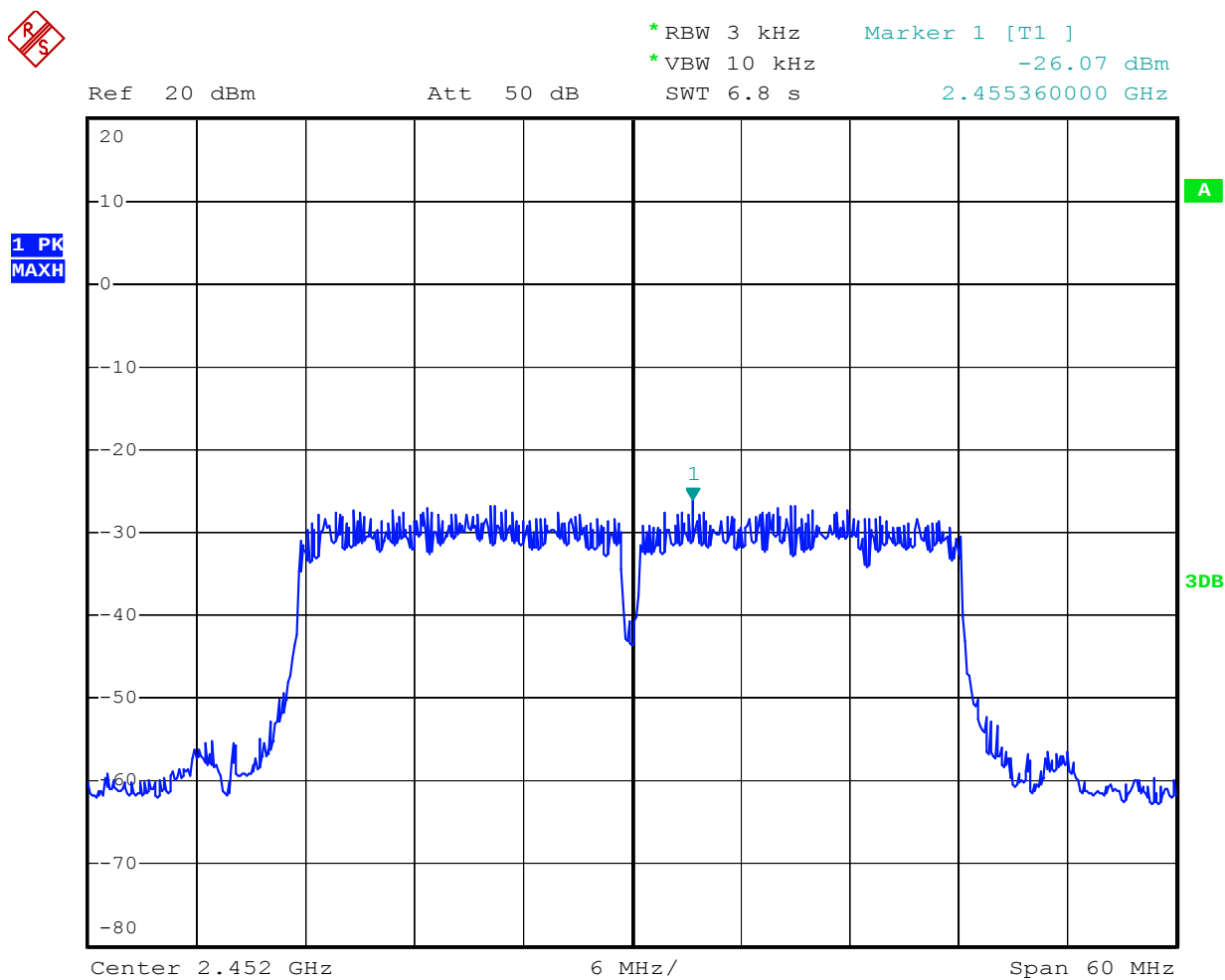
Center 2.437 GHz

6 MHz/

Span 60 MHz

Date: 2. 29.JAN.2013 19:22:04

802.11n Channel High 2452MHz(40MHz)



Date: 2. 29.JAN.2013 19:21:31

8. BAND EDGE COMPLIANCE TEST

8.1. Block Diagram of Test Setup



(EUT: 7 INCH TABLET)

8.2. The Requirement For Section 15.247(d)

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

8.3. EUT Configuration on Measurement

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

8.3.1. 7 INCH TABLET (EUT)

Model Number	:	C70
Serial Number	:	N/A
Manufacturer	:	Eken (HK) Electronics Co., Ltd.

8.4. Operating Condition of EUT

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

8.4.2. Turn on the power of all equipment.

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

8.5. Test Procedure

Conducted Band Edge:

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

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

Radiate Band Edge:

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

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

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

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

RBW=1MHz, VBW=1MHz

8.5.7. The band edges was measured and recorded.

8.6. Test Result

Pass**Conducted test**

Date of Test:	January 29, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60HZ
Test Mode:	TX	Test Engineer:	Pei

The test was performed with 802.11b

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	39.68	> 20dBc
2462	40.86	> 20dBc

The test was performed with 802.11g

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	36.95	> 20dBc
2462	37.35	> 20dBc

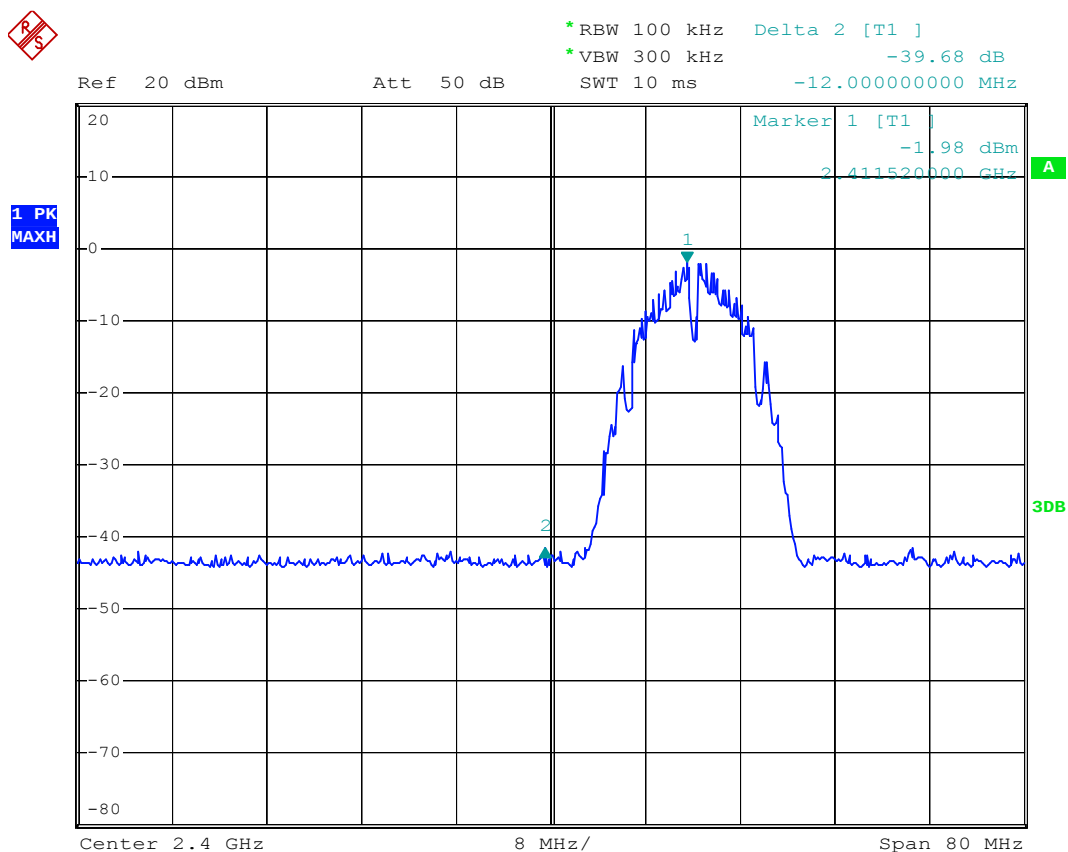
The test was performed with 802.11n (20MHz)

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	36.38	> 20dBc
2462	37.87	> 20dBc

The test was performed with 802.11n (40MHz)

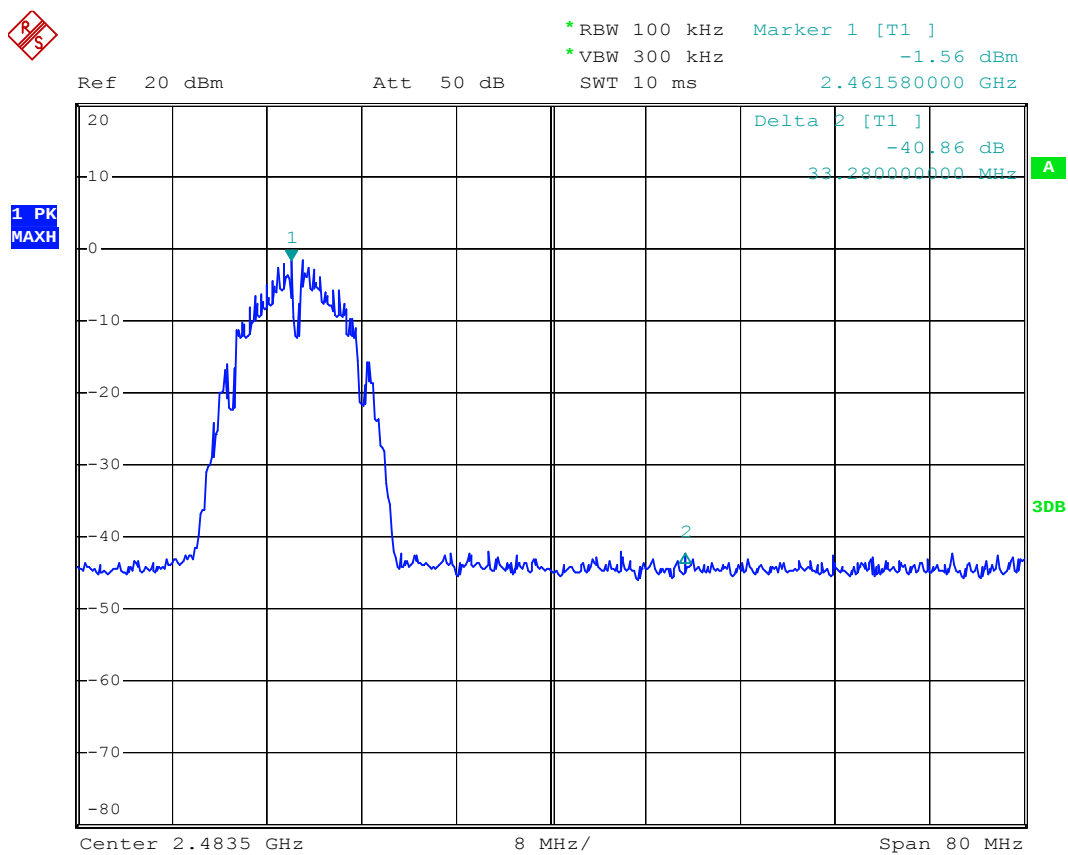
Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2422	26.96	> 20dBc
2452	26.87	> 20dBc

802.11b Channel Low 2412MHz



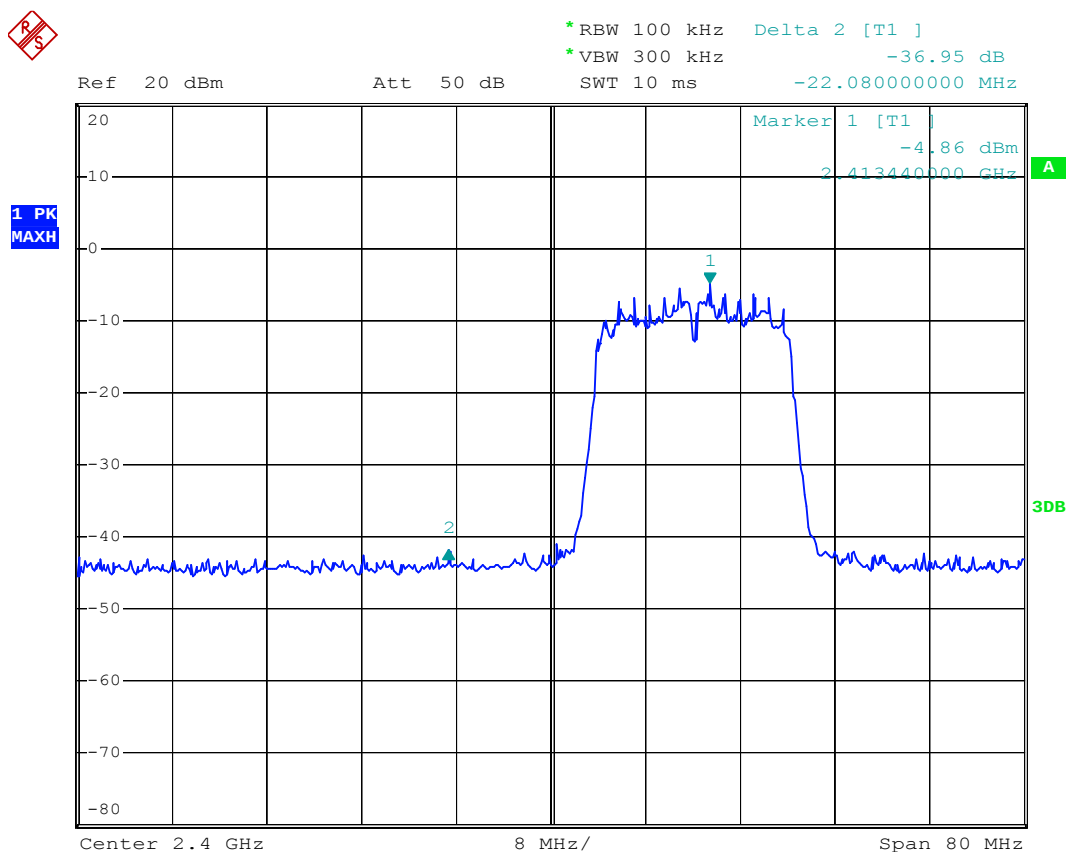
Date: 29.JAN.2013 09:59:22

802.11b Channel High 2462MHz



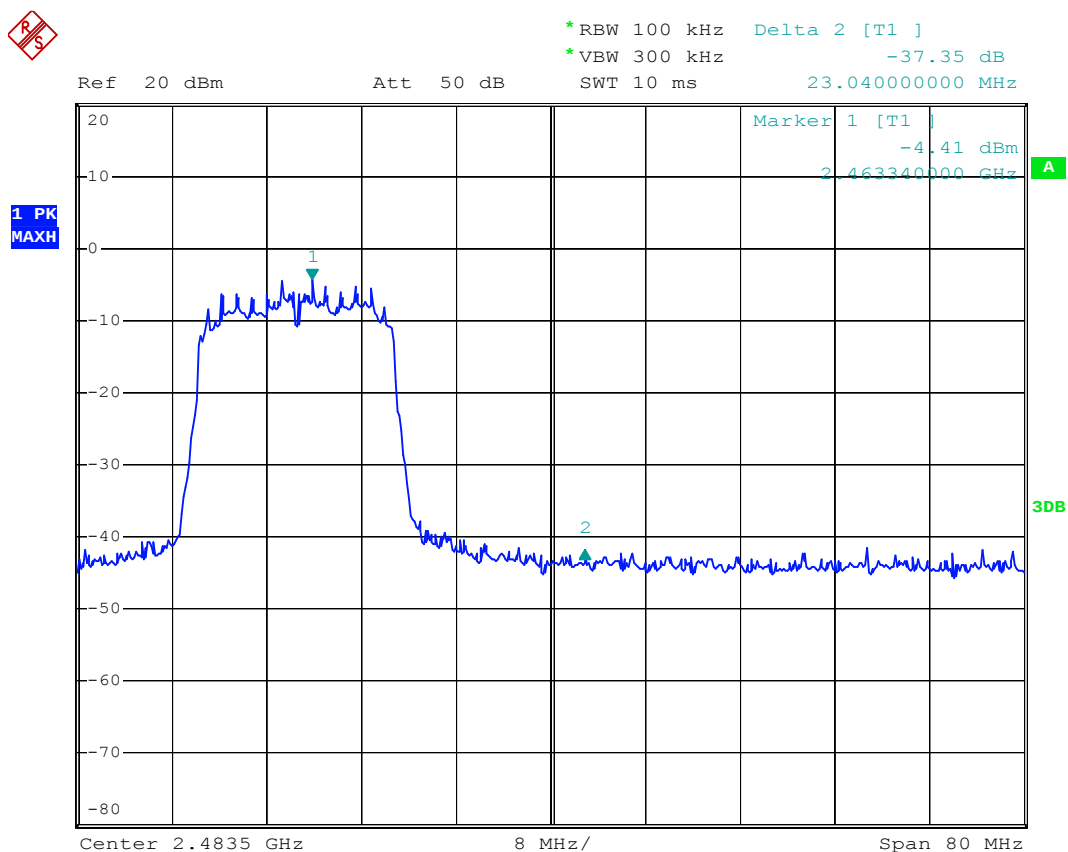
Date: 29.JAN.2013 10:00:21

802.11g Channel Low 2412MHz



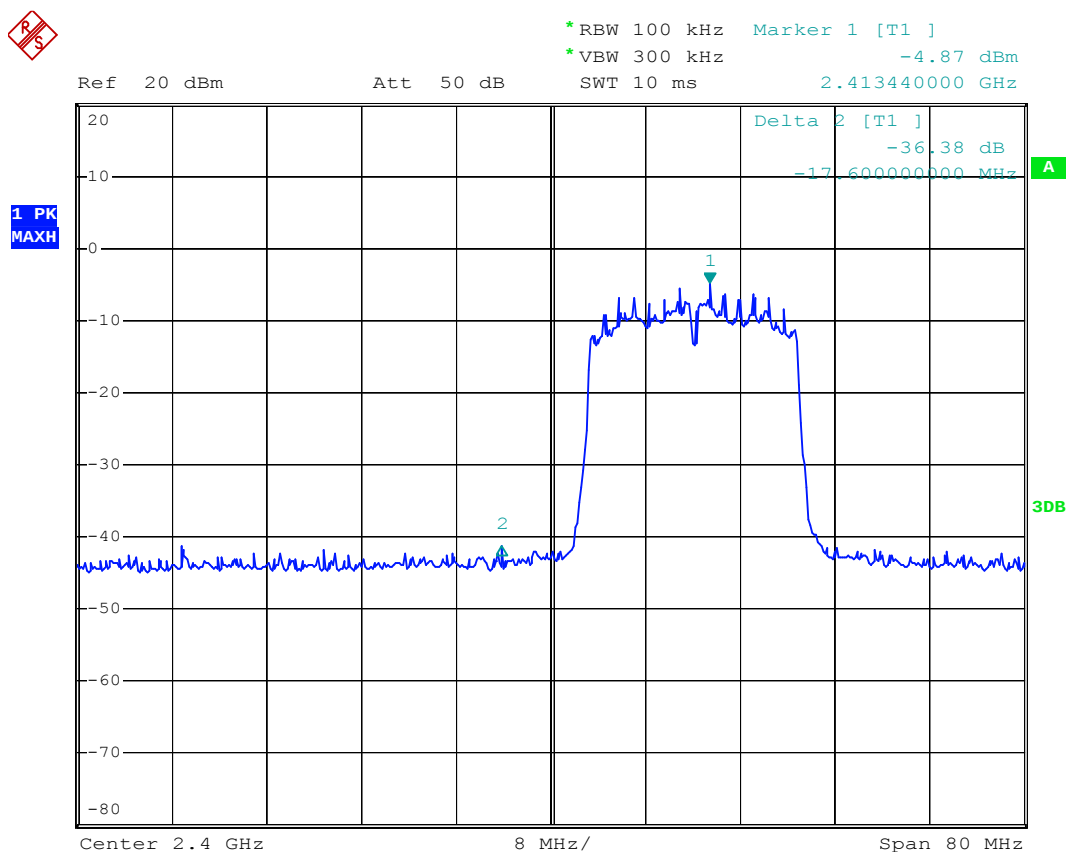
Date: 29.JAN.2013 10:02:06

802.11g Channel High 2462MHz



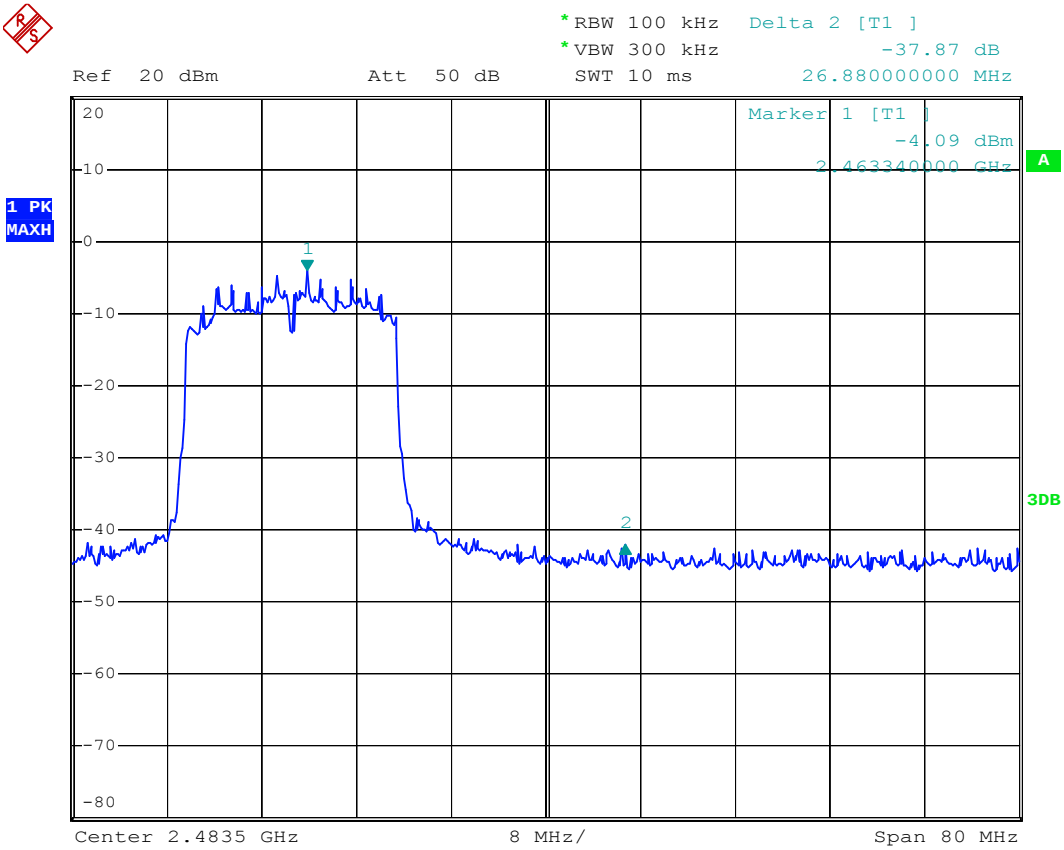
Date: 29.JAN.2013 10:01:22

802.11n Channel Low 2412MHz (20MHz)



Date: 29.JAN.2013 10:03:10

802.11n Channel High 2462MHz (20MHz)

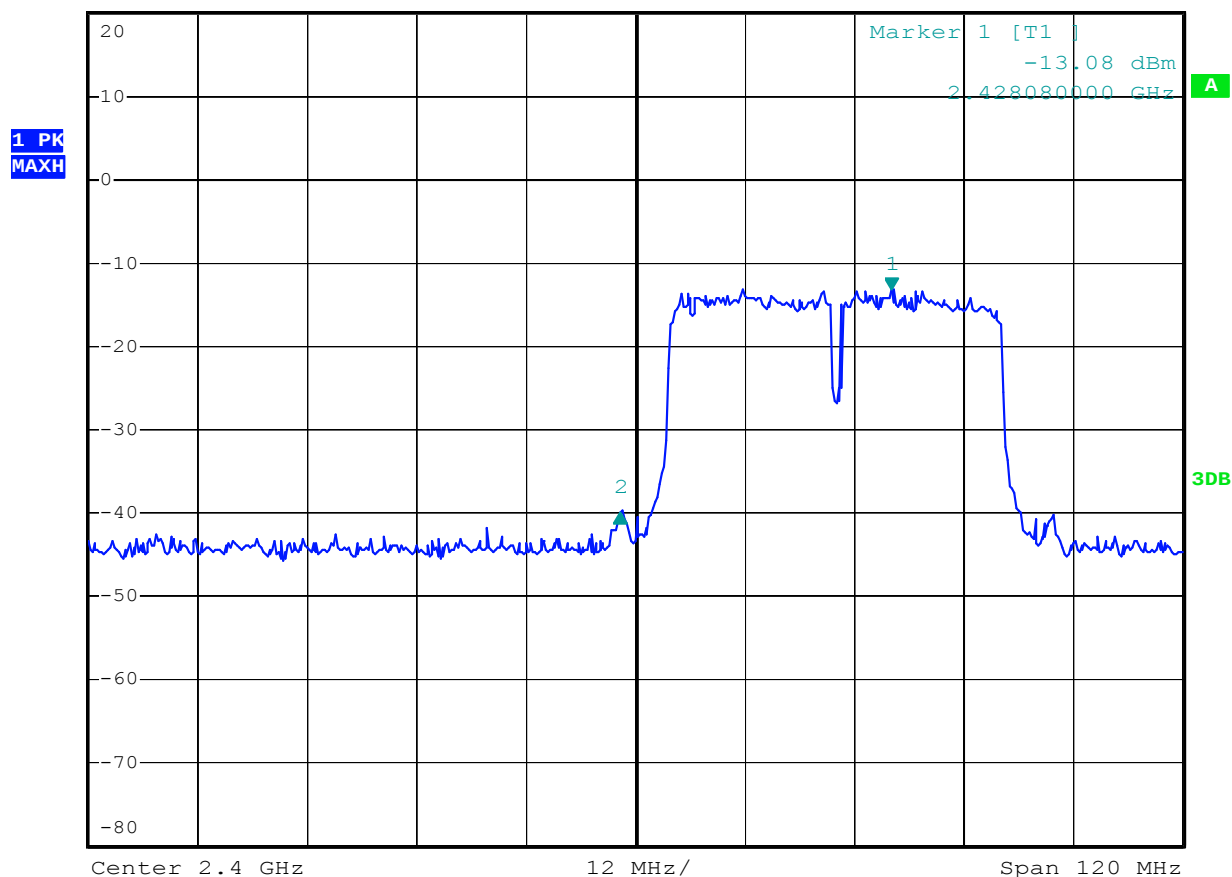


Date: 29.JAN.2013 10:03:56

802.11n Channel Low 2422MHz (40MHz)

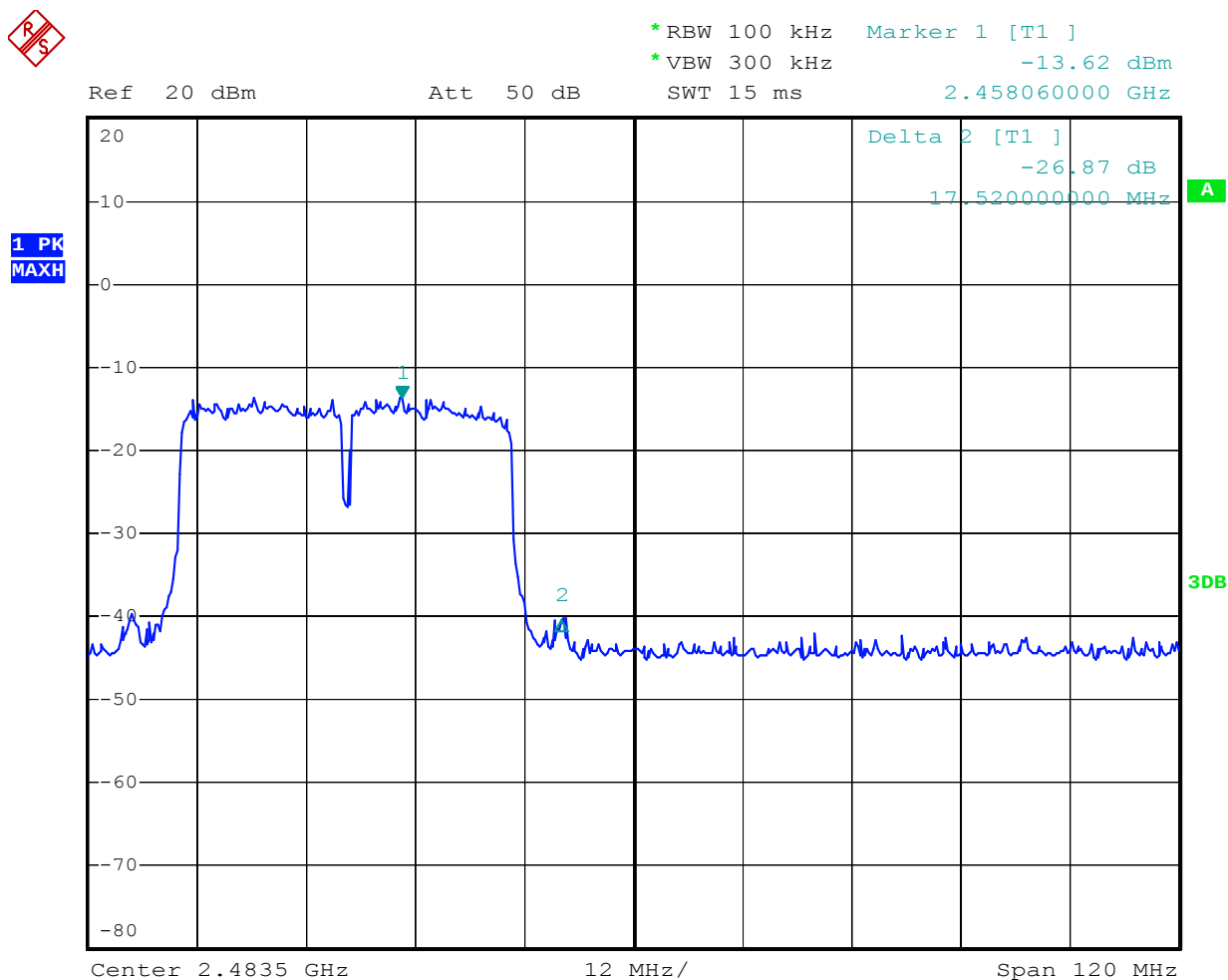


* RBW 100 kHz Delta 2 [T1]
 * VBW 300 kHz -26.96 dB
 Ref 20 dBm Att 50 dB SWT 15 ms -29.760000000 MHz



Date: 29.JAN.2013 19:25:11

802.11n Channel High 2452MHz (40MHz)



Date: 2.29.JAN.2013 19:26:04

Radiated Band Edge Result

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel Low 2412MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	35.82	43.52	-7.81	28.01	35.71	54.00	74.00	-25.99	-38.29	Vertical
2311.259	46.89	51.22	-7.80	39.09	46.42	54.00	74.00	-14.91	-27.58	Vertical
2390.000	42.77	47.04	-7.53	35.24	39.51	54.00	74.00	-18.76	-34.49	Vertical
2310.000	36.93	43.28	-7.81	29.12	35.47	54.00	74.00	-24.88	-38.53	Horizontal
2331.121	42.76	49.34	-7.80	34.96	41.54	54.00	74.00	-19.04	-32.46	Horizontal
2390.000	37.25	44.76	-7.53	29.72	37.23	54.00	74.00	-24.28	-36.77	Horizontal

Note:

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

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel High 2462MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	43.58	49.41	-7.37	36.21	42.04	54.00	74.00	-17.79	-31.96	Vertical
2487.982	43.99	52.78	-7.38	36.61	45.40	54.00	74.00	-17.39	-28.60	Vertical
2500.000	44.93	48.33	-7.40	37.53	40.93	54.00	74.00	-16.47	-33.07	Vertical
2483.500	40.63	47.75	-7.37	33.26	40.38	54.00	74.00	-20.74	-33.62	Horizontal
2496.071	44.86	52.19	-7.39	37.47	44.80	54.00	74.00	-16.53	-29.20	Horizontal
2500.000	42.88	48.08	-7.40	35.48	40.68	54.00	74.00	-18.52	-33.32	Horizontal

Note:

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel Low 2412MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	35.93	42.36	-7.81	28.12	34.55	54.00	74.00	-25.88	-39.45	Vertical
2338.863	42.96	50.34	-7.80	35.16	42.54	54.00	74.00	-18.81	-31.46	Vertical
2390.000	45.88	52.67	-7.53	38.35	45.14	54.00	74.00	-15.65	-28.86	Vertical
2310.000	36.92	42.83	-7.81	29.11	35.02	54.00	74.00	-24.89	-38.98	Horizontal
2337.617	39.68	46.98	-7.79	31.89	39.19	54.00	74.00	-22.11	-34.81	Horizontal
2390.000	42.87	49.35	-7.53	35.34	41.82	54.00	74.00	-18.66	-32.18	Horizontal

Note:

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

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel High 2462MHz	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	51.82	58.50	-7.37	44.45	51.13	54.00	74.00	-9.55	-22.87	Vertical
2496.388	45.83	55.68	-7.40	38.43	48.28	54.00	74.00	-15.57	-25.72	Vertical
2500.000	43.68	51.99	-7.40	36.28	44.59	54.00	74.00	-17.72	-29.41	Vertical
2483.500	53.96	62.75	-7.37	46.59	55.38	54.00	74.00	-7.41	-18.62	Horizontal
2498.883	45.83	53.91	-7.39	38.44	46.52	54.00	74.00	-15.56	-27.48	Horizontal
2500.000	43.78	50.24	-7.40	36.38	42.84	54.00	74.00	-17.62	-31.16	Horizontal

Note:

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n Channel Low 2412MHz (20MHz)	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	35.93	43.96	-7.81	28.12	36.15	54.00	74.00	-25.88	-37.85	Vertical
2338.586	43.82	50.20	-7.79	36.03	42.41	54.00	74.00	-17.97	-31.59	Vertical
2390.000	48.93	56.00	-7.53	41.40	48.47	54.00	74.00	-12.60	-25.53	Vertical
2310.000	35.93	42.93	-7.81	28.12	35.12	54.00	74.00	-25.88	-38.88	Horizontal
2331.259	42.00	51.89	-7.80	34.20	44.09	54.00	74.00	-19.80	-29.91	Horizontal
2390.000	43.76	50.28	-7.53	36.23	42.75	54.00	74.00	-17.77	-31.25	Horizontal

Note:

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n Channel High 2462MHz (20MHz)	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	53.83	61.22	-7.37	46.46	53.85	54.00	74.00	-7.54	-20.15	Vertical
2492.420	45.83	53.04	-7.39	38.44	45.65	54.00	74.00	-15.56	-28.35	Vertical
2500.000	43.25	48.55	-7.40	35.85	41.15	54.00	74.00	-18.15	-32.85	Vertical
2483.500	49.98	56.40	-7.37	42.61	49.03	54.00	74.00	-11.39	-24.97	Horizontal
2485.925	51.72	59.75	-7.38	44.34	52.37	54.00	74.00	-9.66	-21.63	Horizontal
2500.000	44.67	48.82	-7.40	37.27	41.42	54.00	74.00	-16.73	-32.58	Horizontal

Note:

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n Channel Low 2422MHz (40MHz)	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	43.08	50.94	-7.81	35.27	43.13	54.00	74.00	-18.73	-30.87	Vertical
2342.646	42.18	52.49	-7.79	34.39	44.70	54.00	74.00	-19.61	-29.30	Vertical
2390.000	43.99	51.17	-7.53	36.46	43.64	54.00	74.00	-17.54	-30.36	Vertical
2310.000	40.28	47.08	-7.81	32.47	39.27	54.00	74.00	-21.53	-34.73	Horizontal
2335.020	43.17	50.71	-7.80	35.37	42.91	54.00	74.00	-18.63	-31.09	Horizontal
2390.000	39.83	47.97	-7.53	32.30	40.44	54.00	74.00	-21.70	-33.56	Horizontal

Note:

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n Channel High 2452MHz (40MHz)	Test Engineer:	Pei

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	41.89	48.40	-7.37	34.52	41.03	54.00	74.00	-19.48	-32.97	Vertical
2494.262	41.00	48.52	-7.39	33.61	41.13	54.00	74.00	-20.39	-32.87	Vertical
2500.000	38.91	46.08	-7.40	31.51	38.68	54.00	74.00	-22.49	-35.32	Vertical
2483.500	35.17	44.87	-7.37	27.80	37.50	54.00	74.00	-26.20	-36.50	Horizontal
2494.262	36.99	46.29	-7.39	29.60	38.90	54.00	74.00	-24.40	-35.10	Horizontal
2500.000	33.55	44.48	-7.40	26.15	37.08	54.00	74.00	-27.85	-36.92	Horizontal

Note:

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



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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3667

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

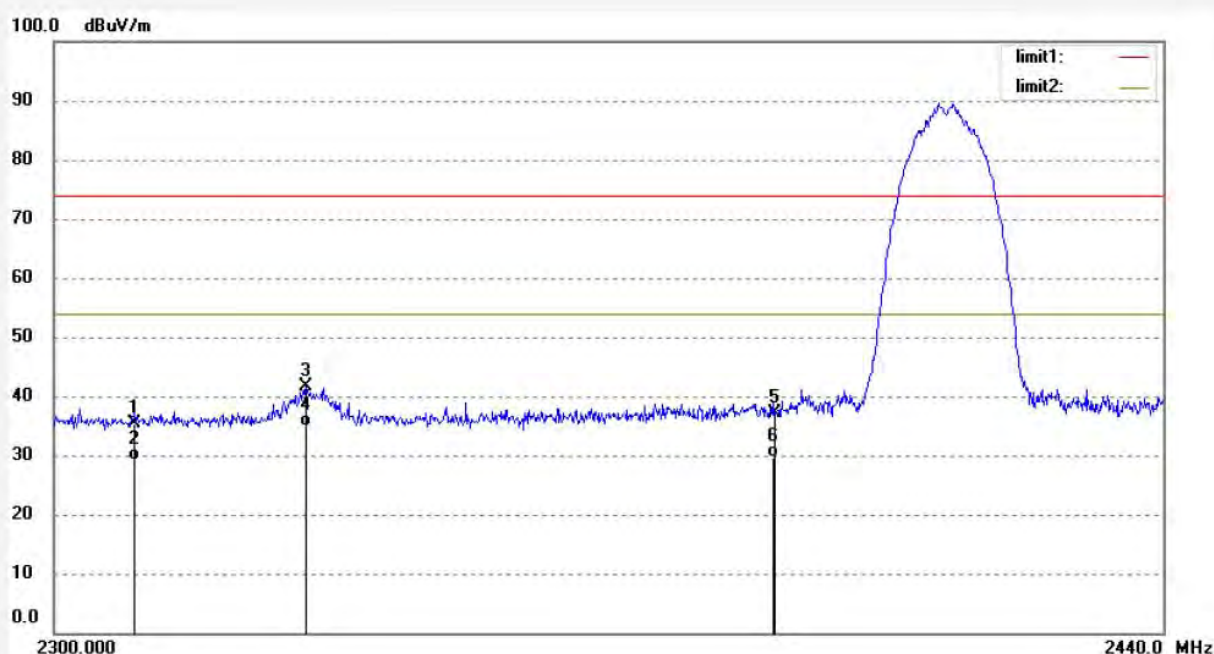
Date: 13/01/30/

Time: 11/45/39

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	43.28	-7.81	35.47	74.00	-38.53	peak			
2	2310.000	36.93	-7.81	29.12	54.00	-24.88	AVG			
3	2331.121	49.34	-7.80	41.54	74.00	-32.46	peak			
4	2331.121	42.76	-7.80	34.96	54.00	-19.04	AVG			
5	2390.000	44.76	-7.53	37.23	74.00	-36.77	peak			
6	2390.000	37.25	-7.53	29.72	54.00	-24.28	AVG			



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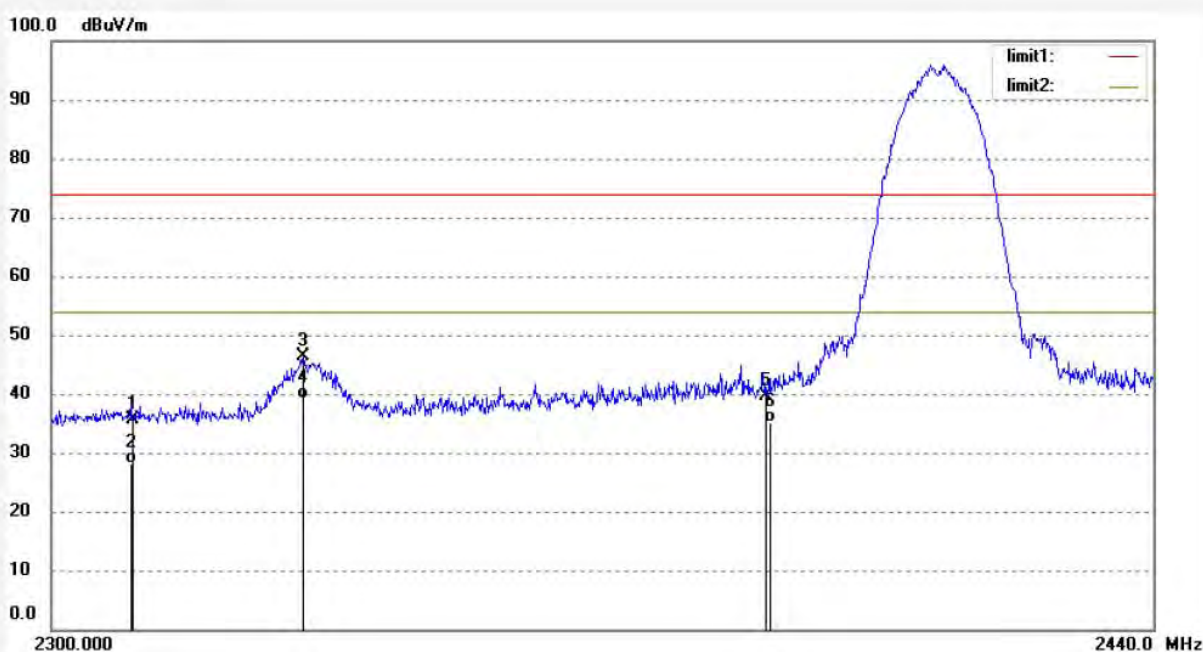
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #3666
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: 7INCH TABLET
Mode: TX Channel 1(802.11b)
Model: C70
Manufacturer: EKEN

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/01/30/
Time: 11/42/33
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	43.52	-7.81	35.71	74.00	-38.29	peak			
2	2310.000	35.82	-7.81	28.01	54.00	-25.99	AVG			
3	2331.259	54.22	-7.80	46.42	74.00	-27.58	peak			
4	2331.259	46.89	-7.80	39.09	54.00	-14.91	AVG			
5	2390.000	47.04	-7.53	39.51	74.00	-34.49	peak			
6	2390.000	42.77	-7.53	35.24	54.00	-18.76	AVG			



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Site: 2# Chamber

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Fax:+86-0755-26503396

Job No.: star #3669

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 11(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

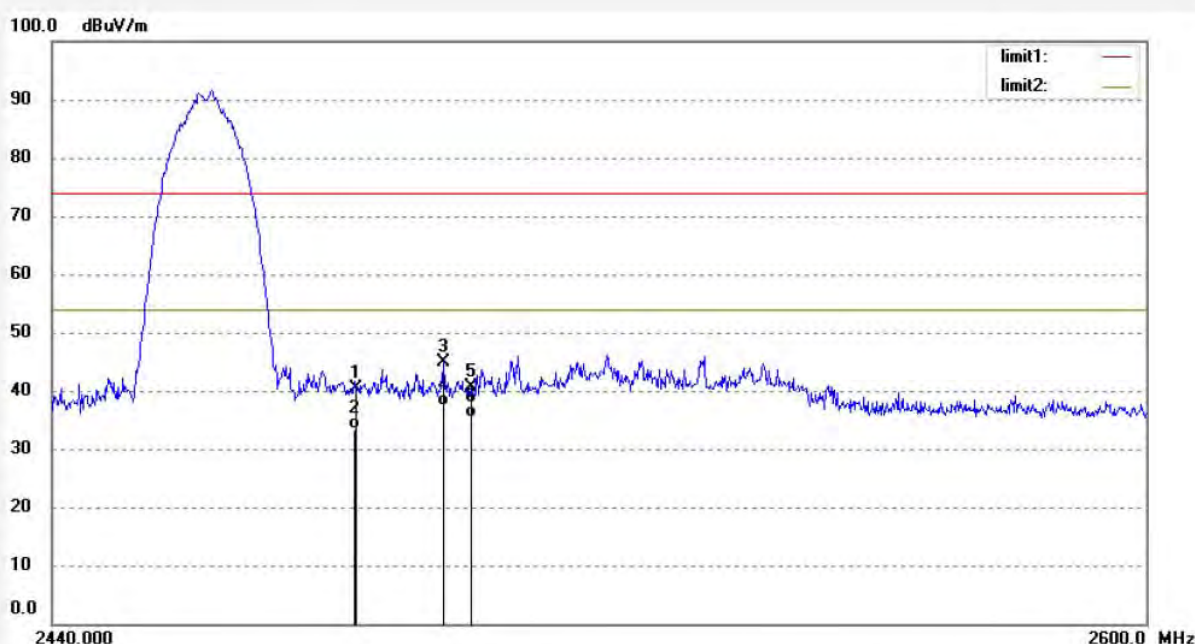
Date: 13/01/30/

Time: 11/49/13

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	47.75	-7.37	40.38	74.00	-33.62	peak			
2	2483.500	40.63	-7.37	33.26	54.00	-20.74	AVG			
3	2496.071	52.19	-7.39	44.80	74.00	-29.20	peak			
4	2496.071	44.86	-7.39	37.47	54.00	-16.53	AVG			
5	2500.000	48.08	-7.40	40.68	74.00	-33.32	peak			
6	2500.000	42.88	-7.40	35.48	54.00	-18.52	AVG			



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Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.: star #3670

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 11(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Vertical

Power Source: AC 120V/60Hz

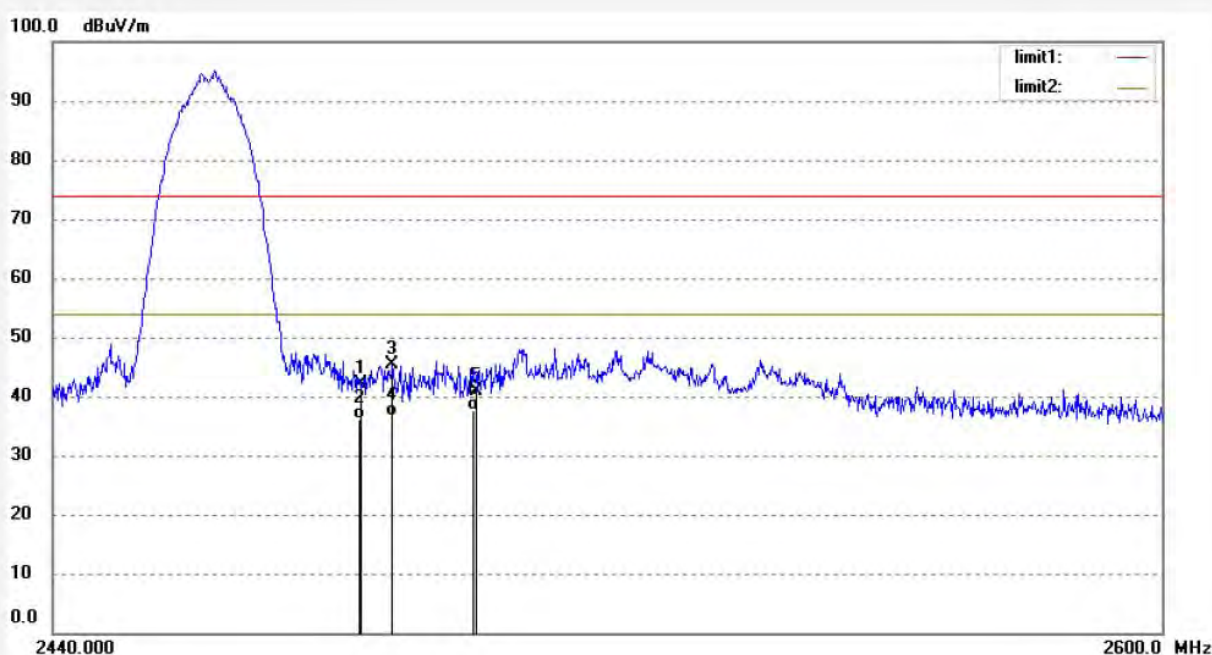
Date: 13/01/30/

Time: 11/52/03

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	49.41	-7.37	42.04	74.00	-31.96	peak			
2	2483.500	43.58	-7.37	36.21	54.00	-17.79	AVG			
3	2487.982	52.78	-7.38	45.40	74.00	-28.60	peak			
4	2487.982	43.99	-7.38	36.61	54.00	-17.39	AVG			
5	2500.000	48.33	-7.40	40.93	74.00	-33.07	peak			
6	2500.000	44.93	-7.40	37.53	54.00	-16.47	AVG			



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Site: 2# Chamber

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Job No.: star #3673

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11g)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

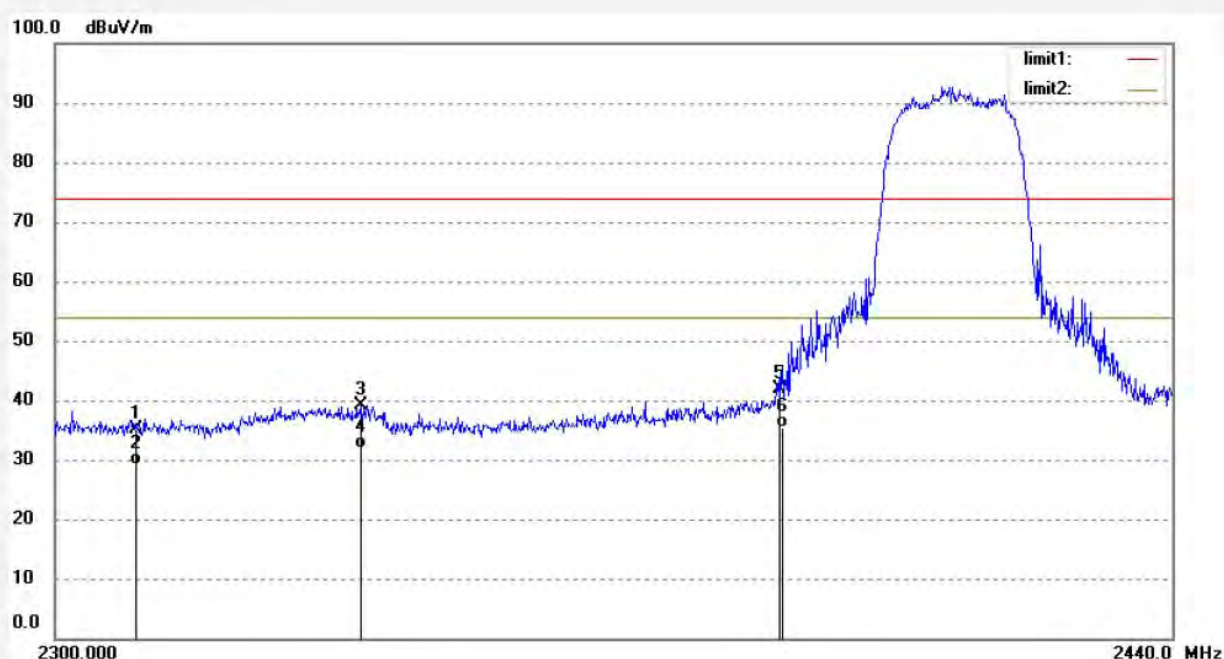
Date: 13/01/30/

Time: 12/02/25

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	42.83	-7.81	35.02	74.00	-38.98	peak			
2	2310.000	36.92	-7.81	29.11	54.00	-24.89	AVG			
3	2337.617	46.98	-7.79	39.19	74.00	-34.81	peak			
4	2337.617	39.68	-7.79	31.89	54.00	-22.11	AVG			
5	2390.000	49.35	-7.53	41.82	74.00	-32.18	peak			
6	2390.000	42.87	-7.53	35.34	54.00	-18.66	AVG			



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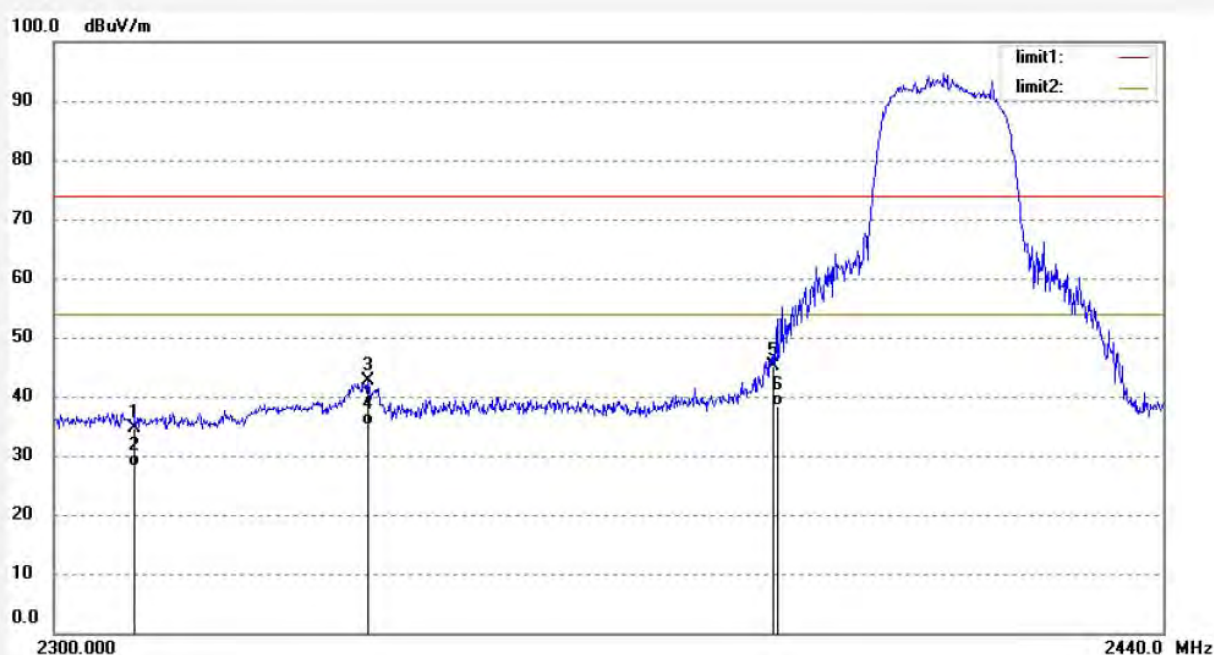
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #3674
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: 7INCH TABLET
Mode: TX Channel 1(802.11g)
Model: C70
Manufacturer: EKEN

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/01/30/
Time: 12/06/25
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	42.36	-7.81	34.55	74.00	-39.45	peak			
2	2310.000	35.93	-7.81	28.12	54.00	-25.88	AVG			
3	2338.863	50.34	-7.80	42.54	74.00	-31.46	peak			
4	2338.863	42.96	-7.80	35.16	54.00	-18.84	AVG			
5	2390.000	52.67	-7.53	45.14	74.00	-28.86	peak			
6	2390.000	45.88	-7.53	38.35	54.00	-15.65	AVG			



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Job No.: star #3672

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 11(802.11g)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

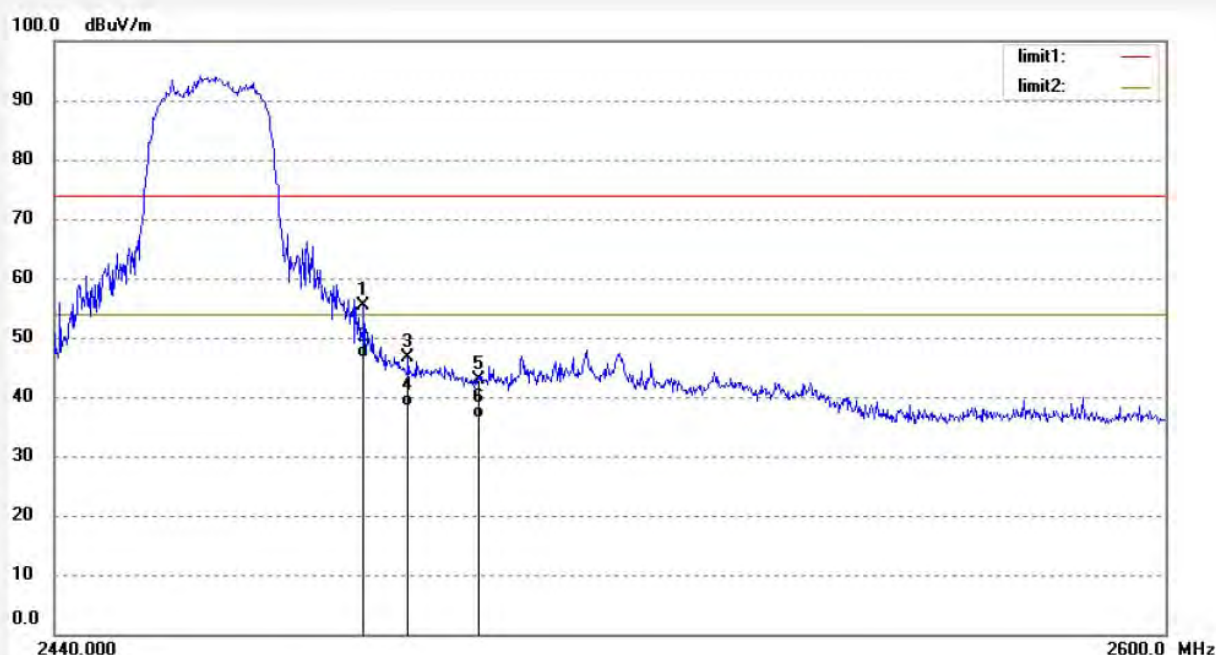
Date: 13/01/30/

Time: 11/59/50

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	62.75	-7.37	55.38	74.00	-18.62	peak			
2	2483.500	53.96	-7.37	46.59	54.00	-7.41	AVG			
3	2489.883	53.91	-7.39	46.52	74.00	-27.48	peak			
4	2489.883	45.83	-7.39	38.44	54.00	-15.56	AVG			
5	2500.000	50.24	-7.40	42.84	74.00	-31.16	peak			
6	2500.000	43.78	-7.40	36.38	54.00	-17.62	AVG			



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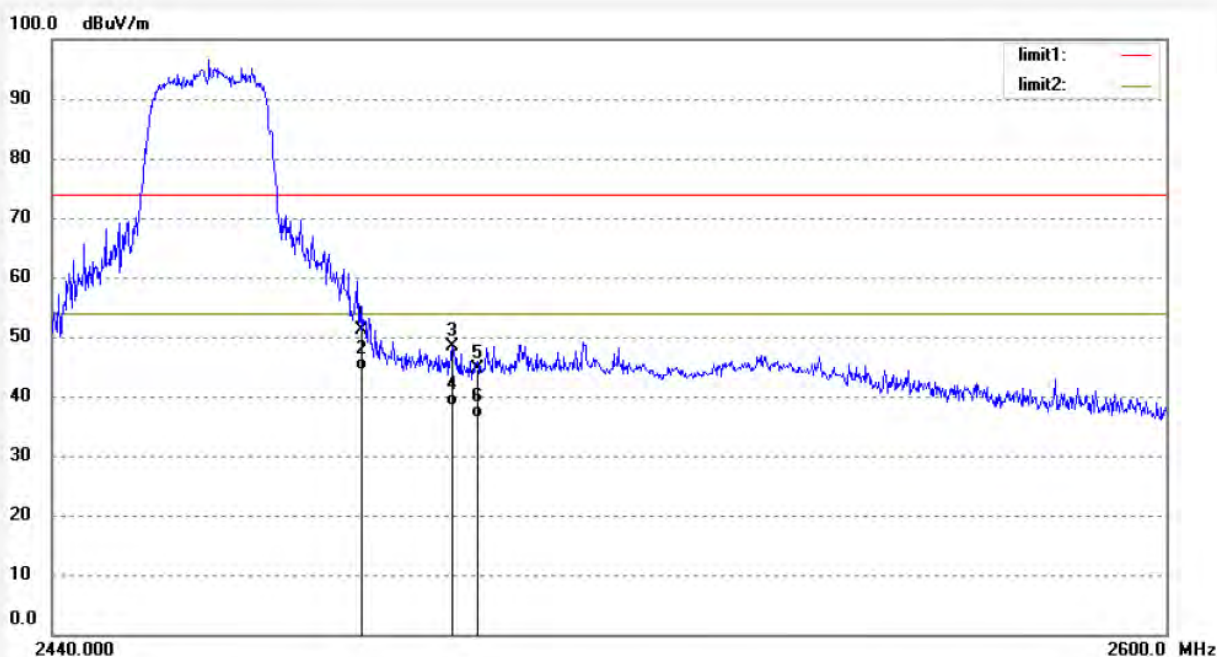
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #3671
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: 7INCH TABLET
Mode: TX Channel 11(802.11g)
Model: C70
Manufacturer: EKEN

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/01/30/
Time: 11/55/32
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	58.50	-7.37	51.13	74.00	-22.87	peak			
2	2483.500	51.82	-7.37	44.45	54.00	-9.55	AVG			
3	2496.388	55.68	-7.40	48.28	74.00	-25.72	peak			
4	2496.388	45.83	-7.40	38.43	54.00	-15.57	AVG			
5	2500.000	51.99	-7.40	44.59	74.00	-29.41	peak			
6	2500.000	43.68	-7.40	36.28	54.00	-17.72	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3676

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11n)20MHz

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

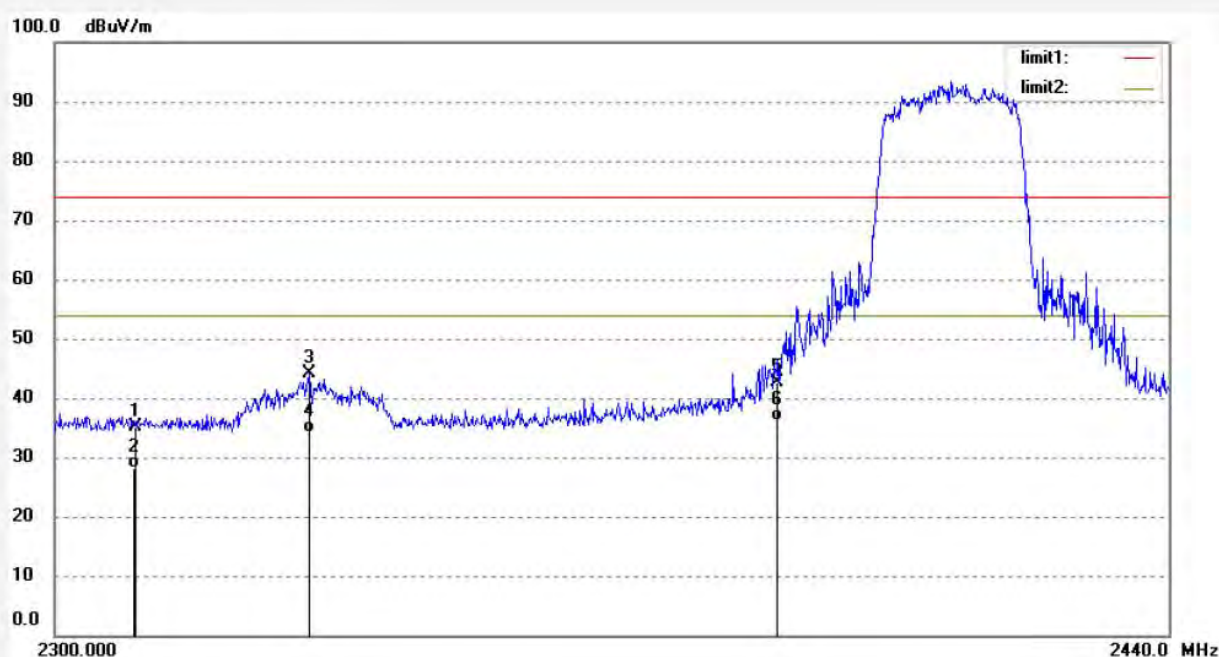
Date: 13/01/30/

Time: 12/14/43

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	42.93	-7.81	35.12	74.00	-38.88	peak			
2	2310.000	35.93	-7.81	28.12	54.00	-25.88	AVG			
3	2331.259	51.89	-7.80	44.09	74.00	-29.91	peak			
4	2331.259	42.00	-7.80	34.20	54.00	-19.80	AVG			
5	2390.000	50.28	-7.53	42.75	74.00	-31.25	peak			
6	2390.000	43.76	-7.53	36.23	54.00	-17.77	AVG			



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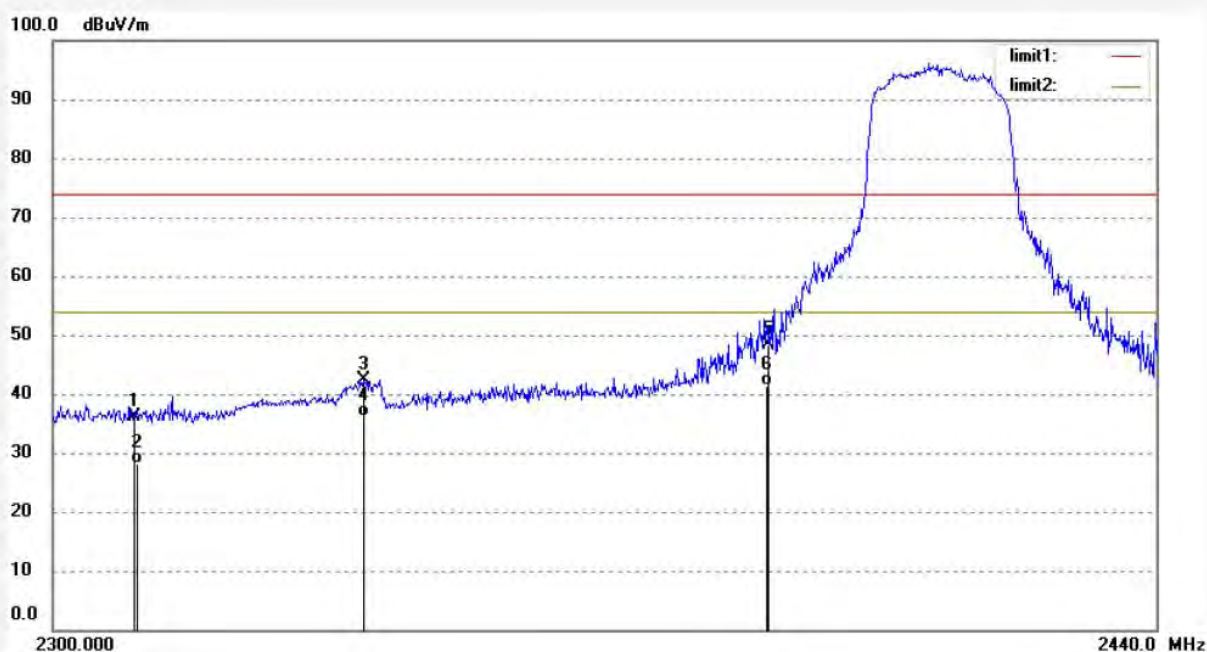
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #3675
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: 7INCH TABLET
Mode: TX Channel 1(802.11n)20MHz
Model: C70
Manufacturer: EKEN

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/01/30/
Time: 12/10/22
Engineer Signature:
Distance: 3m

Note: Report No.: ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	43.96	-7.81	36.15	74.00	-37.85	peak			
2	2310.000	35.93	-7.81	28.12	54.00	-25.88	AVG			
3	2338.586	50.20	-7.79	42.41	74.00	-31.59	peak			
4	2338.586	43.82	-7.79	36.03	54.00	-17.97	AVG			
5	2390.000	56.00	-7.53	48.47	74.00	-25.53	peak			
6	2390.000	48.93	-7.53	41.40	54.00	-12.60	AVG			


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Fax:+86-0755-26503396

Job No.: star #3677

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 11(802.11n)20MHz

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

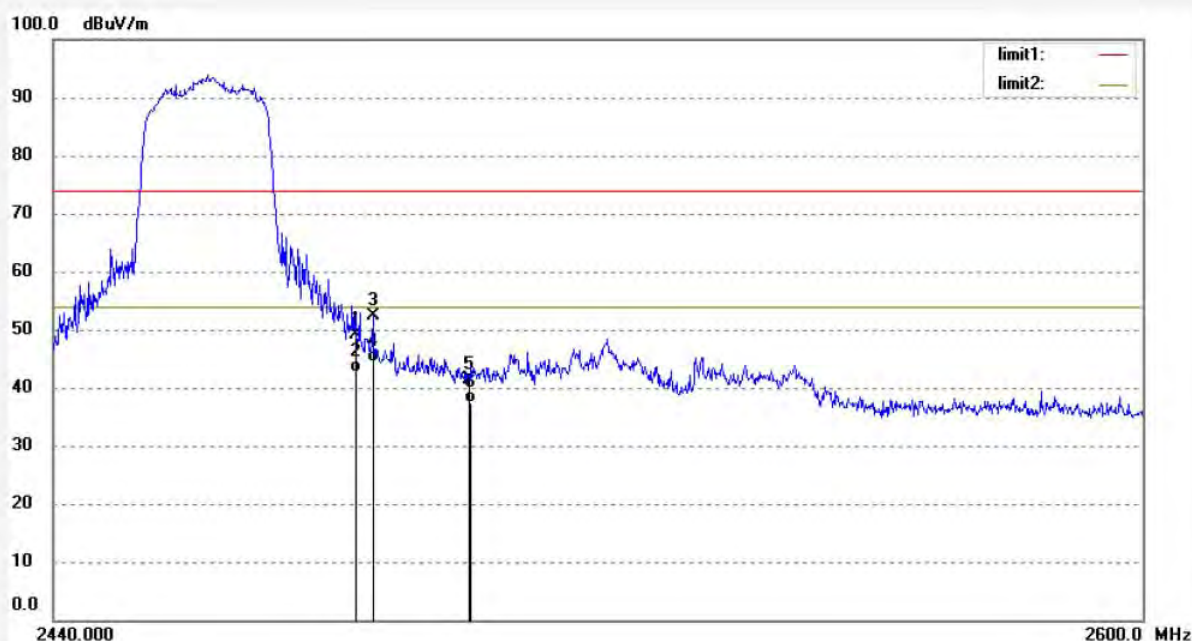
Date: 13/01/30/

Time: 12/18/55

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	56.40	-7.37	49.03	74.00	-24.97	peak			
2	2483.500	49.98	-7.37	42.61	54.00	-11.39	AVG			
3	2485.925	59.75	-7.38	52.37	74.00	-21.63	peak			
4	2485.925	51.72	-7.38	44.34	54.00	-9.66	AVG			
5	2500.000	48.82	-7.40	41.42	74.00	-32.58	peak			
6	2500.000	44.67	-7.40	37.27	54.00	-16.73	AVG			



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3679

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 11(802.11n)20MHz

Model: C70

Manufacturer: EKEN

Polarization: Vertical

Power Source: AC 120V/60Hz

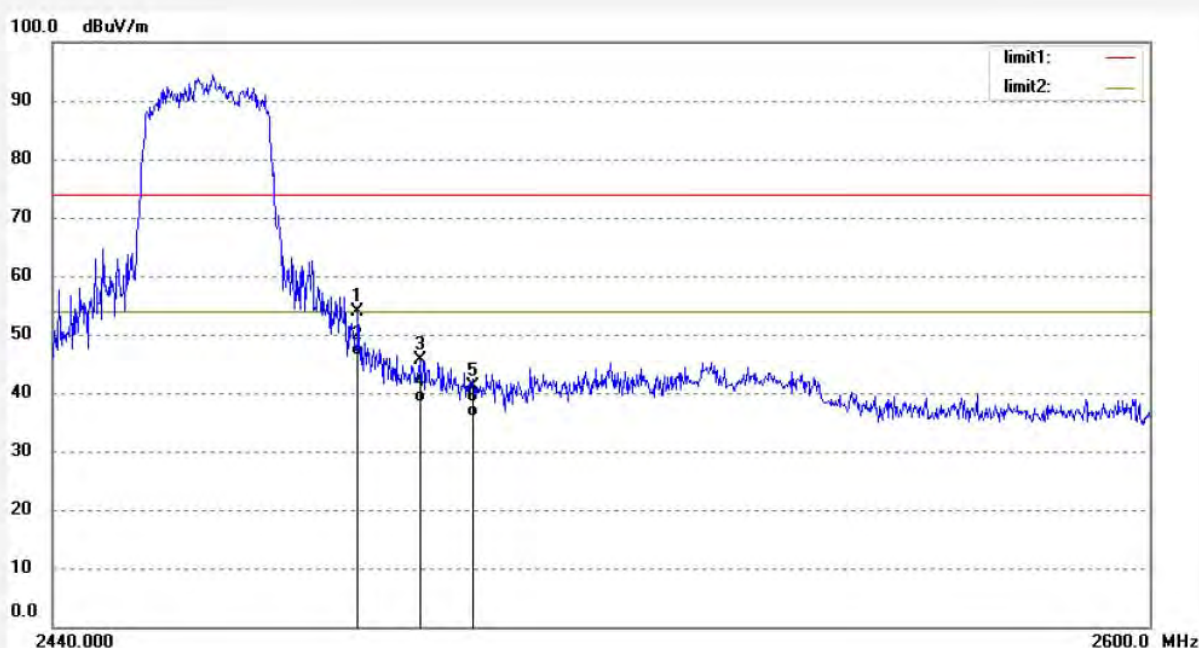
Date: 13/01/30/

Time: 12/23/03

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	61.22	-7.37	53.85	74.00	-20.15	peak			
2	2483.500	53.83	-7.37	46.46	54.00	-7.54	AVG			
3	2492.420	53.04	-7.39	45.65	74.00	-28.35	peak			
4	2492.420	45.83	-7.39	38.44	54.00	-15.56	AVG			
5	2500.000	48.55	-7.40	41.15	74.00	-32.85	peak			
6	2500.000	43.25	-7.40	35.85	54.00	-18.15	AVG			



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3683

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: 7INCH TABLET

Mode: TX Channel 3(802.11n)40MHz

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

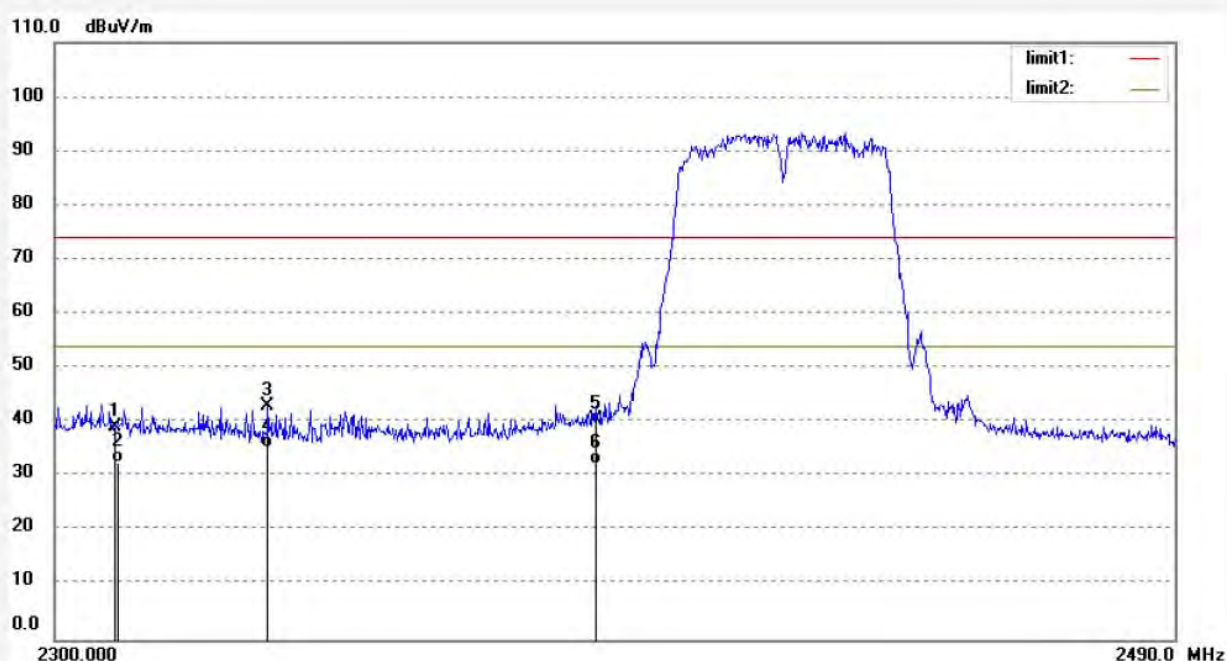
Date: 13/01/30/

Time: 12/42/42

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	47.08	-7.81	39.27	74.00	-34.73	peak			
2	2310.000	40.28	-7.81	32.47	54.00	-21.53	AVG			
3	2335.020	50.71	-7.80	42.91	74.00	-31.09	peak			
4	2335.020	43.17	-7.80	35.37	54.00	-18.63	AVG			
5	2390.000	47.97	-7.53	40.44	74.00	-33.56	peak			
6	2390.000	39.83	-7.53	32.30	54.00	-21.70	AVG			



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Fax:+86-0755-26503396

Job No.: star #3682

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: 7INCH TABLET

Mode: TX Channel 3(802.11n)40MHz

Model: C70

Manufacturer: EKEN

Polarization: Vertical

Power Source: AC 120V/60Hz

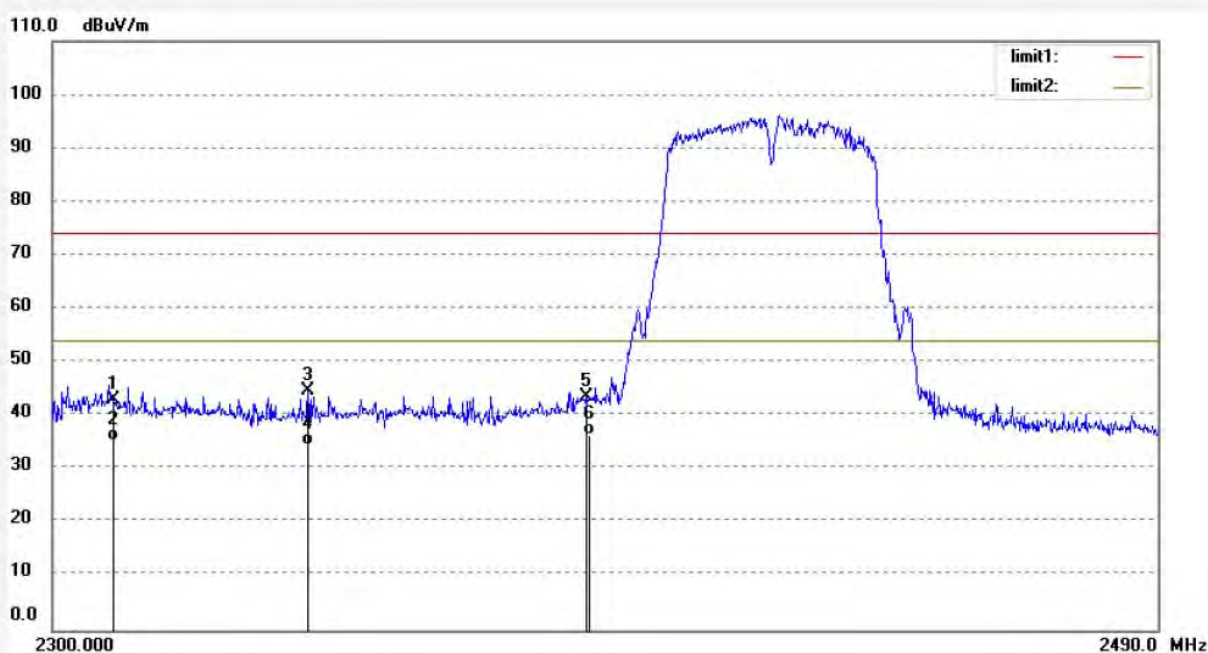
Date: 13/01/30/

Time: 12/36/52

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	50.94	-7.81	43.13	74.00	-30.87	peak			
2	2310.000	43.08	-7.81	35.27	54.00	-18.73	AVG			
3	2342.646	52.49	-7.79	44.70	74.00	-29.30	peak			
4	2342.646	42.18	-7.79	34.39	54.00	-19.61	AVG			
5	2390.000	51.17	-7.53	43.64	74.00	-30.36	peak			
6	2390.000	43.99	-7.53	36.46	54.00	-17.54	AVG			



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Job No.: star #3680

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: 7INCH TABLET

Mode: TX Channel 9(802.11n)40MHz

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

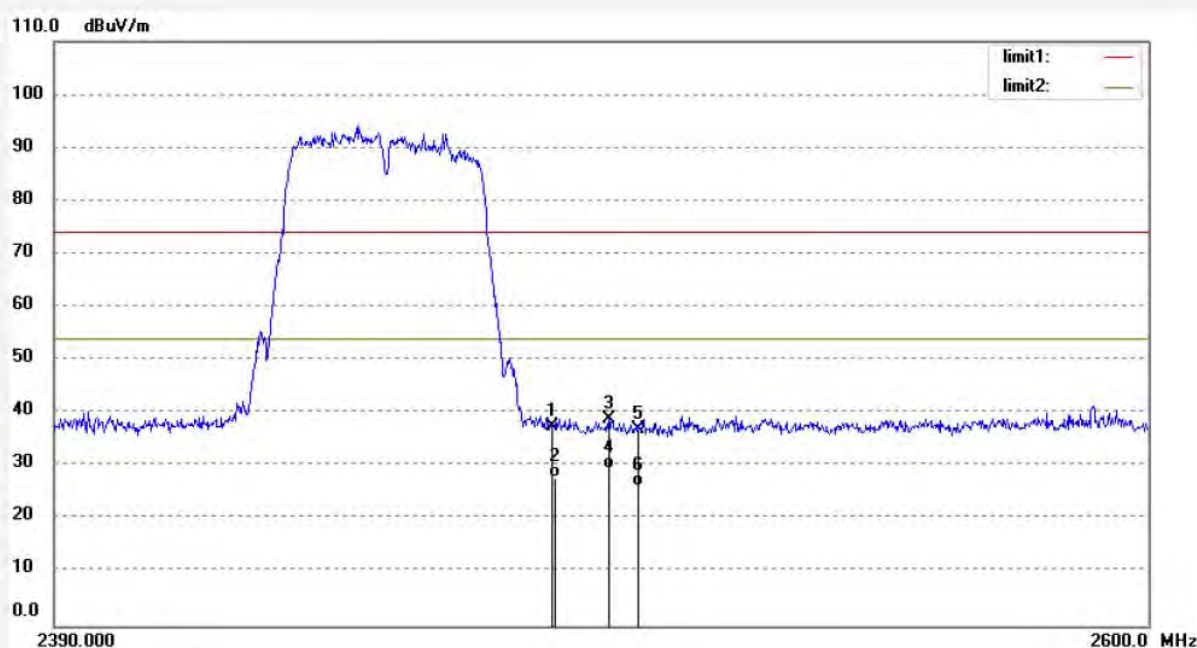
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Time: 12/27/19

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	44.87	-7.37	37.50	74.00	-36.50	peak			
2	2483.500	35.17	-7.37	27.80	54.00	-26.20	AVG			
3	2494.262	46.29	-7.39	38.90	74.00	-35.10	peak			
4	2494.262	36.99	-7.39	29.60	54.00	-24.40	AVG			
5	2500.000	44.48	-7.40	37.08	74.00	-36.92	peak			
6	2500.000	33.55	-7.40	26.15	54.00	-27.85	AVG			


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Job No.: star #3681

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: 7INCH TABLET

Mode: TX Channel 9(802.11n)40MHz

Model: C70

Manufacturer: EKEN

Polarization: Vertical

Power Source: AC 120V/60Hz

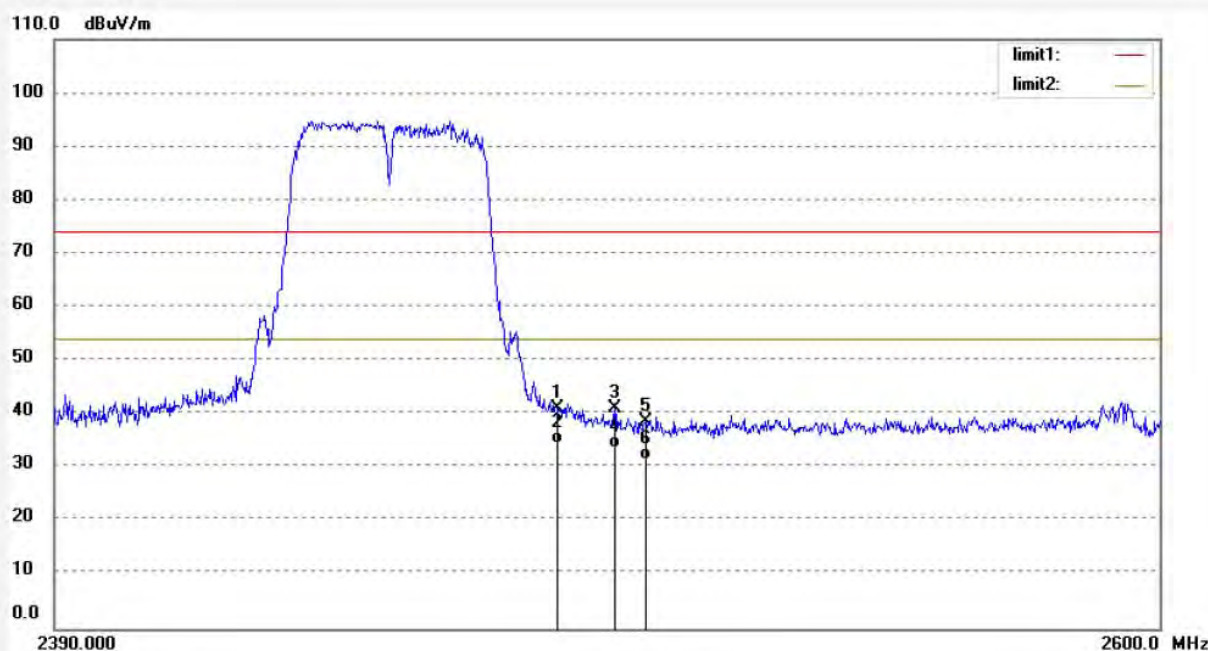
Date: 13/01/30/

Time: 12/31/55

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157

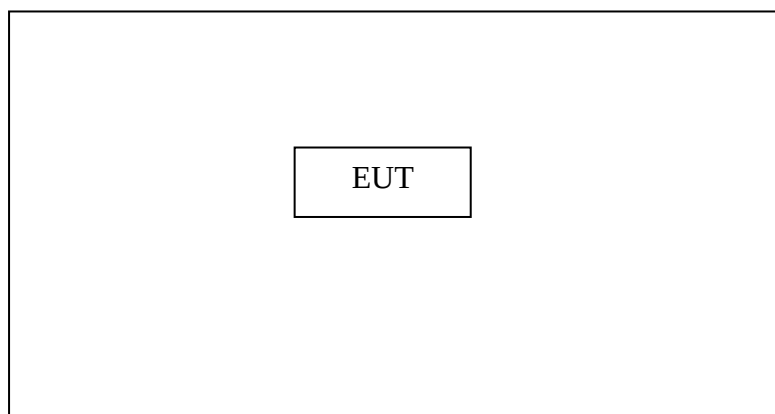


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	48.40	-7.37	41.03	74.00	-32.97	peak			
2	2483.500	41.89	-7.37	34.52	54.00	-19.48	AVG			
3	2494.262	48.52	-7.39	41.13	74.00	-32.87	peak			
4	2494.262	41.00	-7.39	33.61	54.00	-20.39	AVG			
5	2500.000	46.08	-7.40	38.68	74.00	-35.32	peak			
6	2500.000	38.91	-7.40	31.51	54.00	-22.49	AVG			

9. RADIATED SPURIOUS EMISSION TEST

9.1. Block Diagram of Test Setup

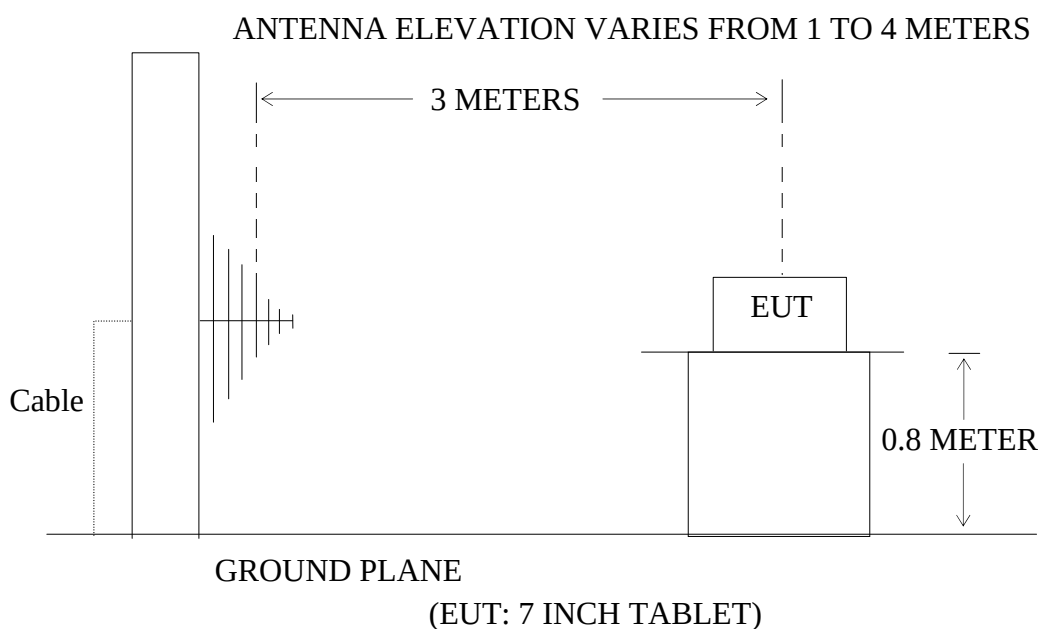
9.1.1. Block diagram of connection between the EUT and peripherals



Setup: Transmitting mode

(EUT: 7 INCH TABLET)

9.1.2. Semi-Anechoic Chamber Test Setup Diagram



9.2.The Limit For Section 15.247(d)

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

9.3.Restricted bands of operation

9.3.1.FCC Part 15.205 Restricted bands of operation

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

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

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

²Above 38.6

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

9.4.Configuration of EUT on Measurement

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

9.4.1.7 INCH TABLET (EUT)

Model Number : C70
 Serial Number : N/A
 Manufacturer : Eken (HK) Electronics Co., Ltd.

9.5.Operating Condition of EUT

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

9.5.2.Turn on the power of all equipment.

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

9.6.Test Procedure

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

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

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

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

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

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

Result = Reading + Corrected Factor

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

9.7.The Field Strength of Radiation Emission Measurement Results

PASS.

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel Low 2412MHz	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
36.2678	20.11	15.40	35.51	40.00	-4.49	Vertical
82.2363	22.67	12.95	35.62	40.00	-4.38	
130.3048	27.64	12.89	40.53	43.50	-2.97	
53.7559	17.89	14.16	32.05	40.00	-7.95	Horizontal
130.3048	25.87	12.89	38.76	43.50	-4.74	
220.7241	26.55	14.72	41.27	46.00	-4.73	
721.2544	18.00	25.23	43.23	46.00	-2.77	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

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

2. *: Denotes restricted band of operation.

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel Middle 2437MHz	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
35.8875	20.14	15.49	35.63	40.00	-4.37	Vertical
81.9477	24.95	12.88	37.83	40.00	-2.17	
130.3048	28.04	12.89	40.93	43.50	-2.57	
35.5112	19.84	15.57	35.41	40.00	-4.59	Horizontal
82.5257	22.54	13.01	35.55	40.00	-4.45	
721.2544	18.44	25.23	43.67	46.00	-2.33	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11b Channel High 2462MHz	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
35.7617	19.25	15.51	34.76	40.00	-5.24	Vertical
80.8042	23.42	12.63	36.05	40.00	-3.95	
130.3048	27.00	12.89	39.89	43.50	-3.61	
82.5257	22.19	13.01	35.20	40.00	-4.80	Horizontal
205.0243	25.46	14.17	39.63	43.50	-3.87	
721.2544	18.64	25.23	43.87	46.00	-2.13	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel Low 2412MHz	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
35.6362	20.11	15.54	35.65	40.00	-4.35	Vertical
79.9569	23.11	12.44	35.55	40.00	-4.45	
130.3048	27.68	12.89	40.57	43.50	-2.93	
36.0138	20.73	15.46	36.19	40.00	-3.81	Horizontal
83.9882	21.43	13.34	34.77	40.00	-5.23	
721.2544	18.66	25.23	43.89	46.00	-2.11	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel Middle 2437MHz	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
36.0138	20.17	15.46	35.63	40.00	-4.37	Vertical
83.9882	22.54	13.34	35.88	40.00	-4.12	
130.3048	26.83	12.89	39.72	43.50	-3.78	
36.0138	19.43	15.46	34.89	40.00	-5.11	Horizontal
83.9882	22.47	13.34	35.81	40.00	-4.19	
721.2544	18.72	25.23	43.95	46.00	-2.05	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11g Channel High 2462MHz	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
35.5112	20.11	15.57	35.68	40.00	-4.32	Vertical
91.9477	24.83	12.88	37.71	40.00	-2.29	
130.3048	26.83	12.89	39.72	43.50	-3.78	
35.3867	18.16	15.60	33.76	40.00	-6.27	Horizontal
82.2363	22.66	12.95	35.61	40.00	-4.39	
721.2544	17.49	25.23	42.72	46.00	-3.28	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n Channel Low 2412MHz (20MHz)	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
35.8875	20.28	15.49	35.77	40.00	-4.23	Vertical
82.2363	23.20	12.95	36.15	40.00	-3.85	
130.3048	27.42	12.89	40.31	43.50	-3.19	
36.3954	19.65	15.37	35.02	40.00	-4.98	Horizontal
83.6937	22.10	13.27	35.37	40.00	-4.63	
721.2544	18.20	25.23	43.43	46.00	-2.57	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n Channel Middle 2437MHz (20MHz)	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
36.0139	23.98	15.46	39.44	40.00	-0.56	Vertical
82.5257	25.46	13.01	38.47	40.00	-1.53	
130.3048	28.98	12.89	41.87	43.50	-1.63	Horizontal
54.5167	19.83	14.10	33.93	40.00	-6.07	
83.402	22.63	13.20	35.83	40.00	-4.17	
721.2544	18.40	25.23	43.63	46.00	-2.37	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n Channel High 2462MHz (20MHz)	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
35.7617	20.28	15.51	35.79	40.00	-4.21	Vertical
81.0886	22.47	12.69	35.16	40.00	-4.84	
130.3048	26.80	12.89	39.69	43.50	-3.81	
35.7617	19.83	15.51	32.34	40.00	-4.66	Horizontal
82.5257	23.58	13.01	36.59	40.00	-3.41	
721.2544	18.60	25.23	43.83	46.00	-2.17	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n Channel Low 2422MHz (40MHz)	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
36.1406	20.73	15.43	36.16	40.00	-3.84	Vertical
52.2363	22.83	12.95	35.78	40.00	-4.22	
130.3048	28.35	12.89	41.24	43.50	-2.26	
36.2678	19.68	15.40	35.08	40.00	-4.92	Horizontal
84.5806	22.60	13.46	36.06	40.00	-3.94	
721.2544	18.73	25.23	43.96	46.00	-2.04	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n Channel Middle 2437MHz (40MHz)	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
36.2678	20.17	15.40	35.57	40.00	-4.43	Vertical
49.9323	20.79	14.46	35.25	40.00	-4.75	
81.9477	22.67	12.88	35.55	40.00	-4.45	
35.7617	19.47	15.51	34.98	40.00	-5.02	Horizontal
83.1076	22.62	13.14	35.76	40.00	-4.24	
721.2544	18.54	25.23	43.77	46.00	-2.23	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

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

Date of Test:	January 30, 2013	Temperature:	25°C
EUT:	7 INCH TABLET	Humidity:	50%
Model No.:	C70	Power Supply:	AC 120V/60Hz
Test Mode:	802.11n Channel High 2452MHz (40MHz)	Test Engineer:	Pei

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
36.1406	20.89	15.43	36.32	40.00	-3.68	Vertical
50.9961	19.87	14.38	34.25	40.00	-5.75	
83.4002	22.68	13.20	35.88	40.00	-4.12	
36.0139	19.36	15.46	34.82	40.00	-5.18	Horizontal
83.1076	23.69	13.14	36.83	40.00	-3.17	
721.2544	18.72	25.23	43.95	46.00	-2.05	

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

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

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



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Fax:+86-0755-26503396

Job No.: star #3618

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

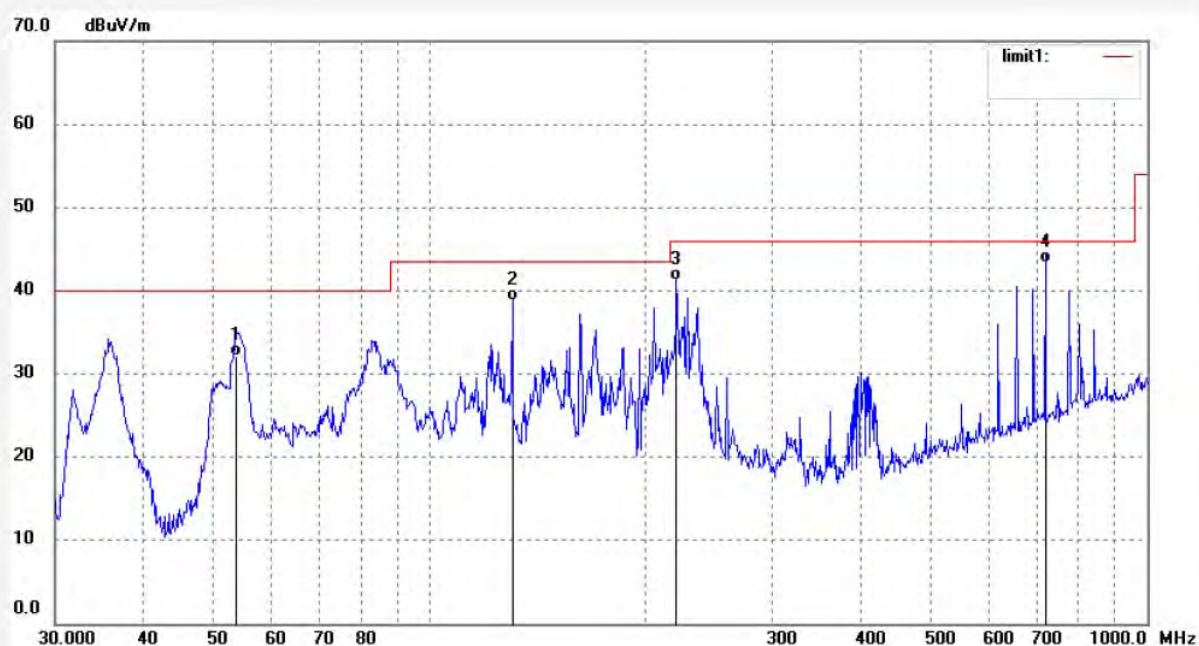
Date: 13/01/30/

Time: 8/25/38

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	53.7559	17.89	14.16	32.05	40.00	-7.95	QP			
2	130.3048	25.87	12.89	38.76	43.50	-4.74	QP			
3	220.7241	26.55	14.72	41.27	46.00	-4.73	QP			
4	721.2544	18.00	25.23	43.23	46.00	-2.77	QP			



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Fax:+86-0755-26503396

Job No.: star #3617

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Vertical

Power Source: AC 120V/60Hz

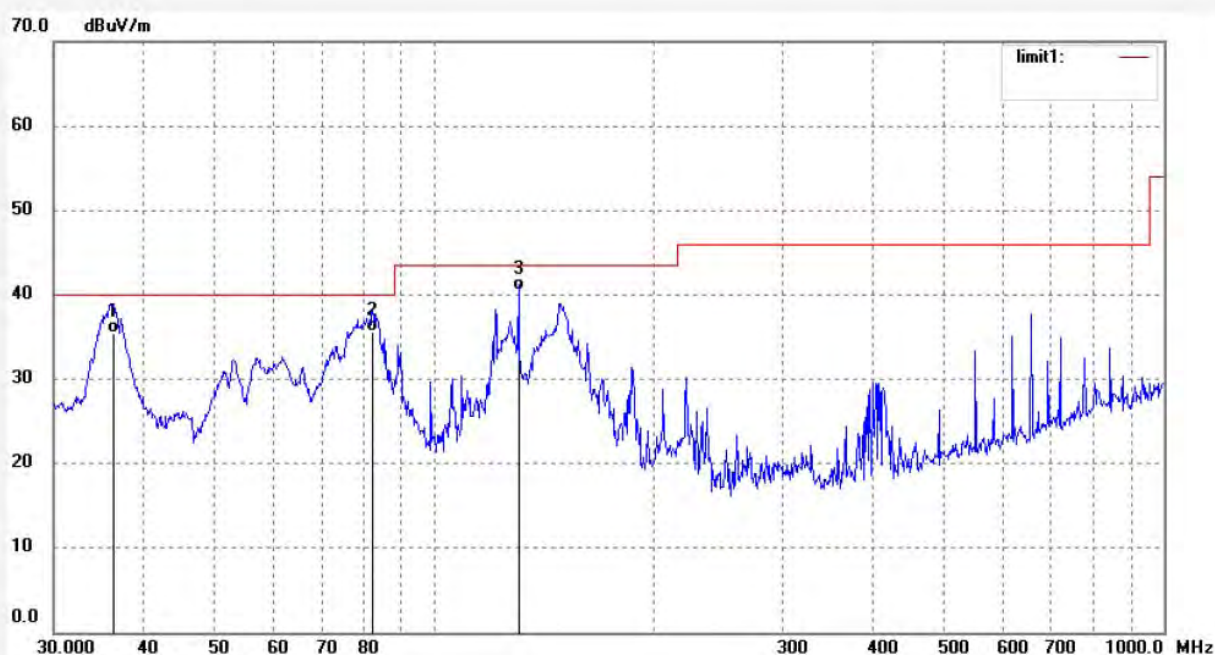
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Time: 8/22/43

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.2678	20.11	15.40	35.51	40.00	-4.49	QP			
2	82.2363	22.67	12.95	35.62	40.00	-4.38	QP			
3	130.3048	27.64	12.89	40.53	43.50	-2.97	QP			


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Fax:+86-0755-26503396

Job No.: star #3642

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

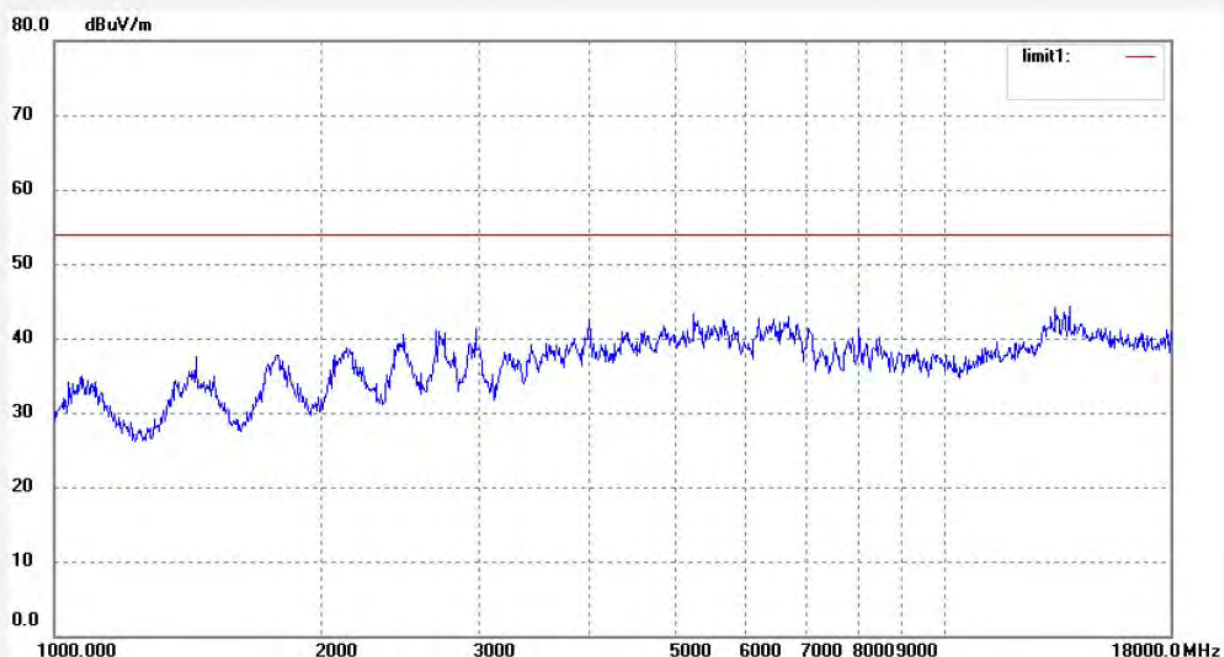
Date: 13/01/30/

Time: 9/55/59

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 2# Chamber

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Fax:+86-0755-26503396

Job No.: star #3643

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Vertical

Power Source: AC 120V/60Hz

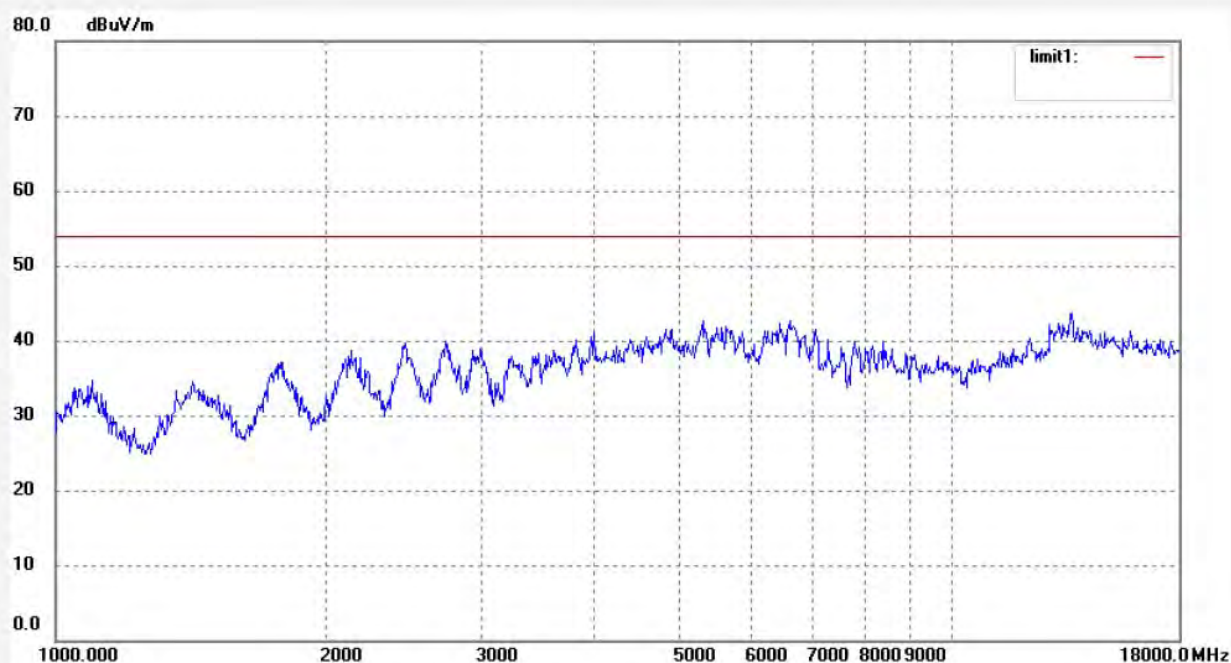
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Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2042

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

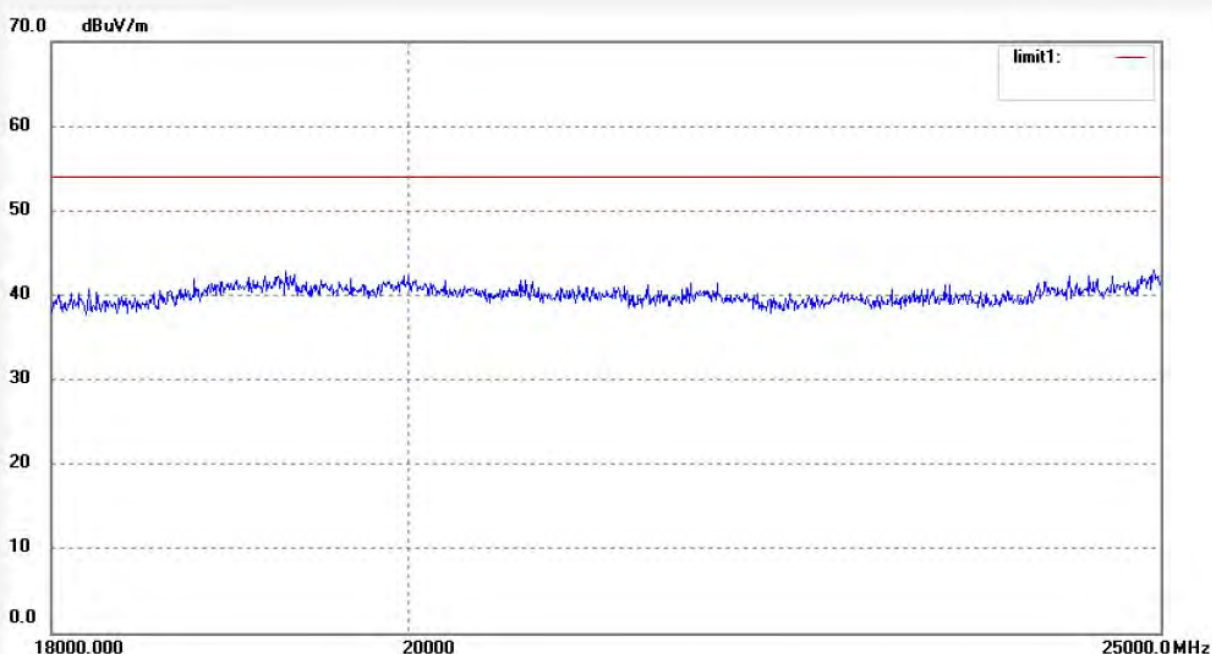
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Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 966 chamber

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Fax:+86-0755-26503396

Job No.: star #2041

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Vertical

Power Source: AC 120V/60Hz

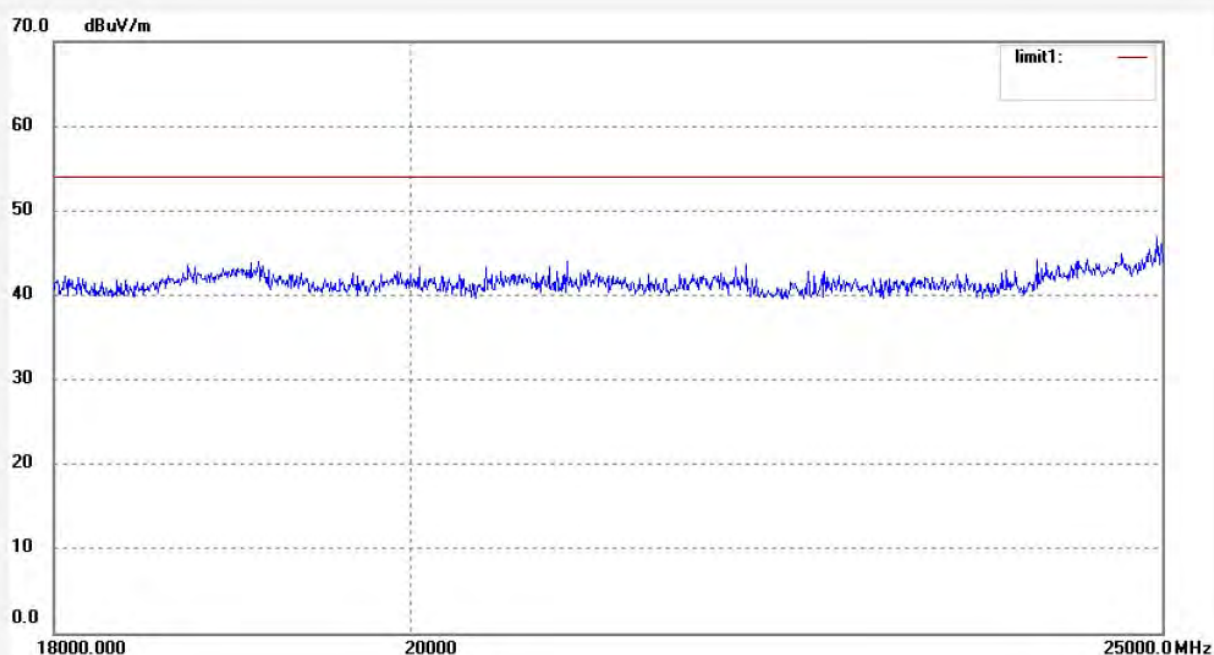
Date: 13/01/31/

Time: 11/35/40

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 2# Chamber
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Job No.: star #3619

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 6(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

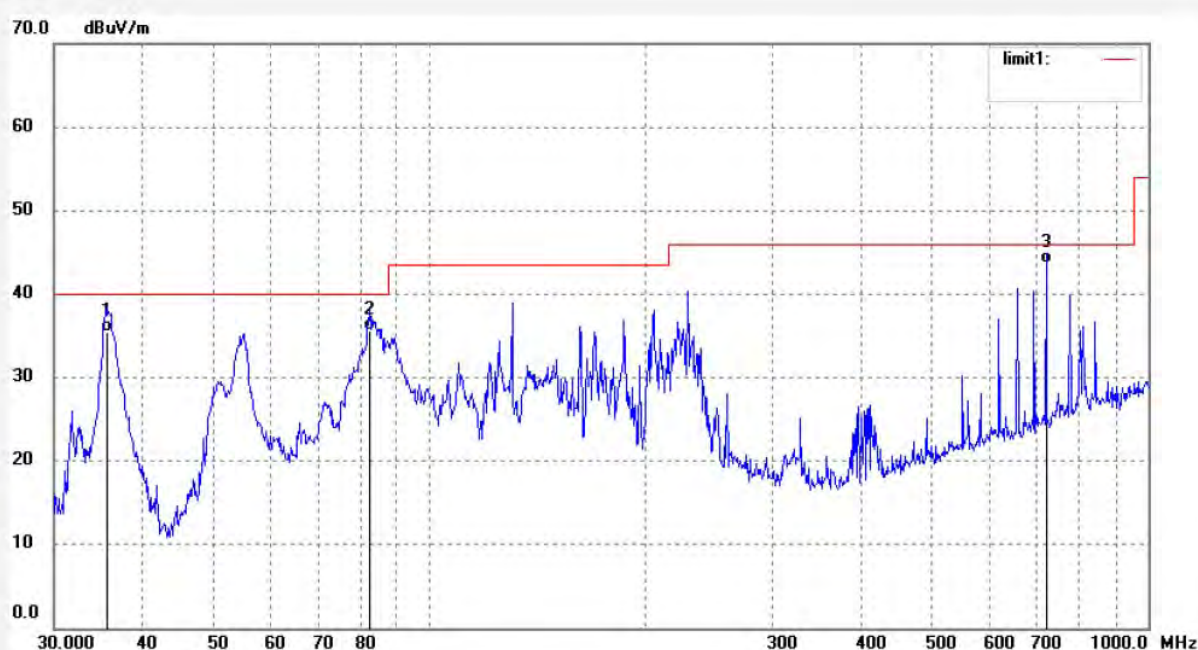
Date: 13/01/30/

Time: 8/28/31

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.5112	19.84	15.57	35.41	40.00	-4.59	QP			
2	82.5257	22.54	13.01	35.55	40.00	-4.45	QP			
3	721.2544	18.44	25.23	43.67	46.00	-2.33	QP			



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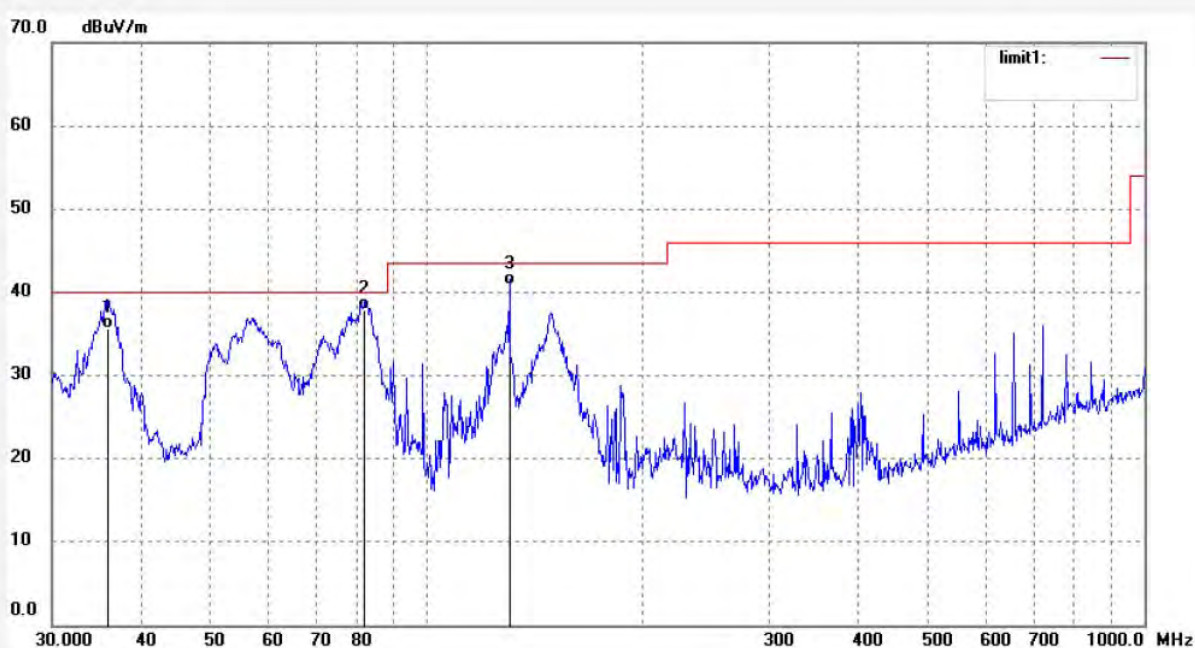
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 2# Chamber
Tel:+86-0755-26503290
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Job No.: star #3620
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: 7INCH TABLET
Mode: TX Channel 6(802.11b)
Model: C70
Manufacturer: EKEN

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/01/30/
Time: 8/32/57
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.8875	20.14	15.49	35.63	40.00	-4.37	QP			
2	81.9477	24.95	12.88	37.83	40.00	-2.17	QP			
3	130.3048	28.04	12.89	40.93	43.50	-2.57	QP			



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Job No.: star #3645

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 6(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

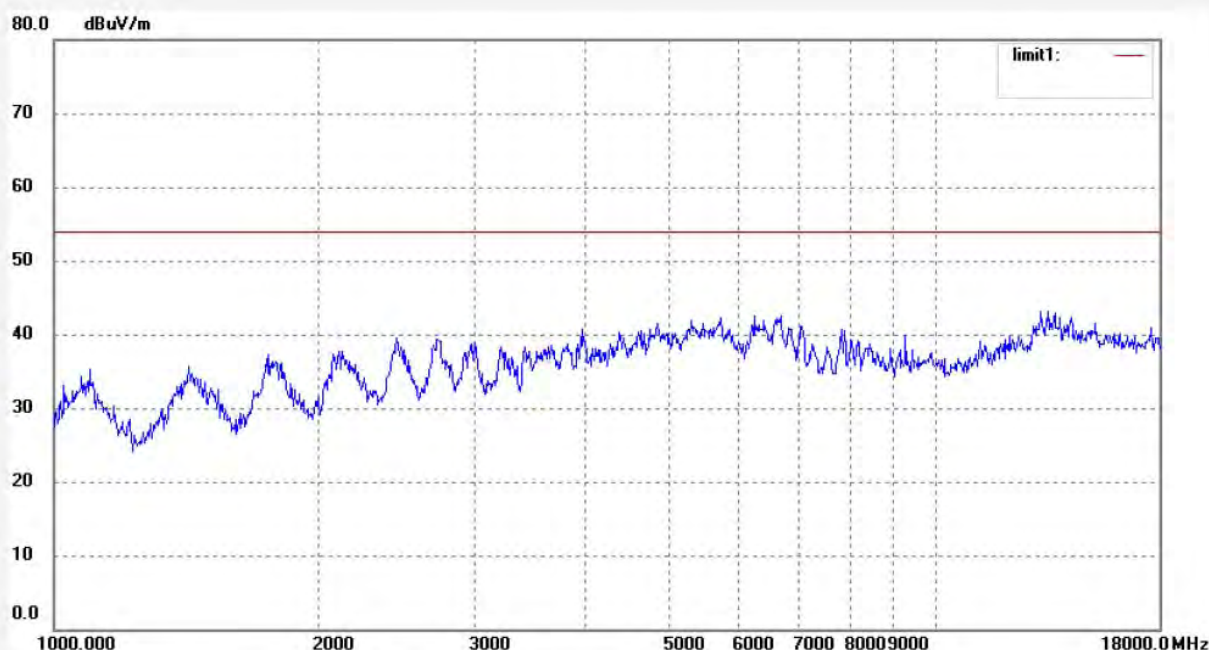
Date: 13/01/30/

Time: 10/08/56

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: star #3644

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 6(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Vertical

Power Source: AC 120V/60Hz

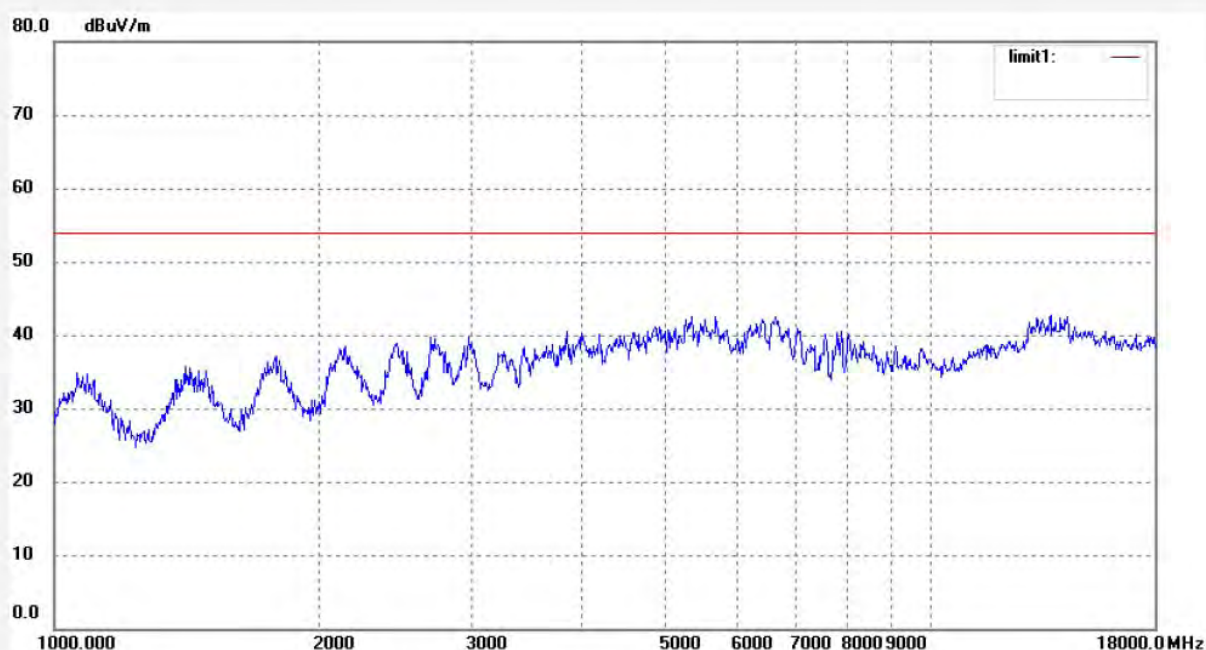
Date: 13/01/30/

Time: 10/02/30

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 966 chamber

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Fax:+86-0755-26503396

Job No.: star #2043

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: 7INCH TABLET

Mode: TX Channel 6(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

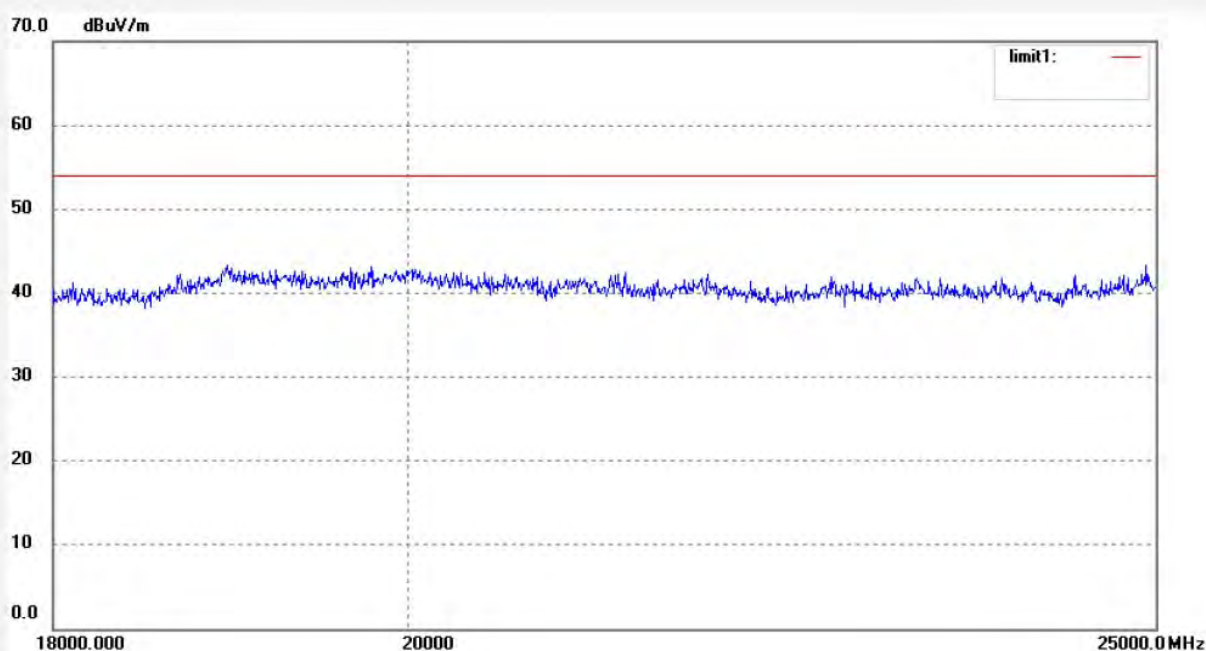
Date: 13/01/31/

Time: 11/43/05

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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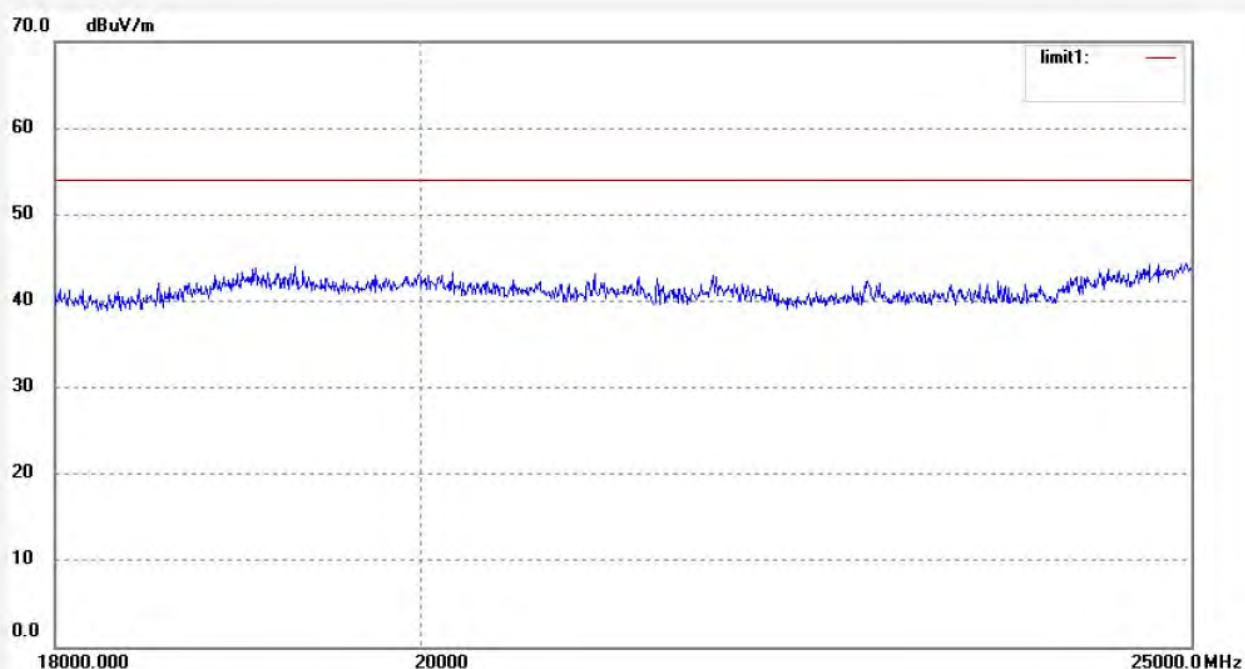
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star #2044
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: 7INCH TABLET
Mode: TX Channel 6(802.11b)
Model: C70
Manufacturer: EKEN

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/01/31/
Time: 11/48/21
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3622

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 11(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

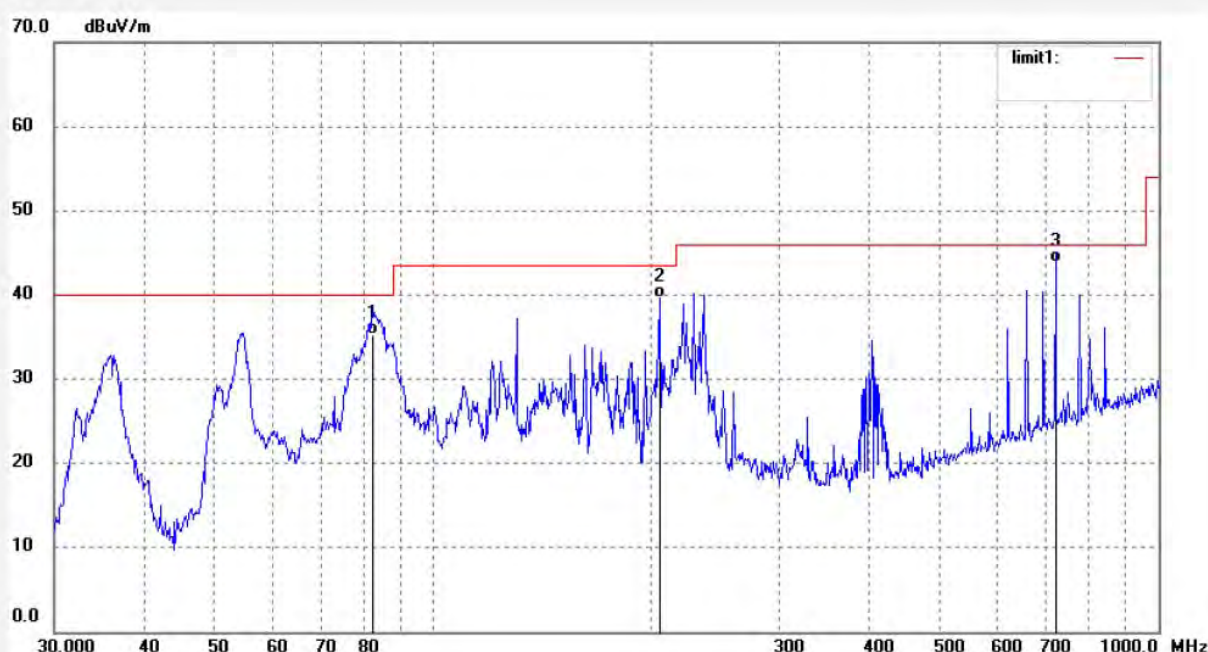
Date: 13/01/30/

Time: 8/39/30

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	82.5257	22.19	13.01	35.20	40.00	-4.80	QP			
2	205.0243	25.46	14.17	39.63	43.50	-3.87	QP			
3	721.2544	18.64	25.23	43.87	46.00	-2.13	QP			



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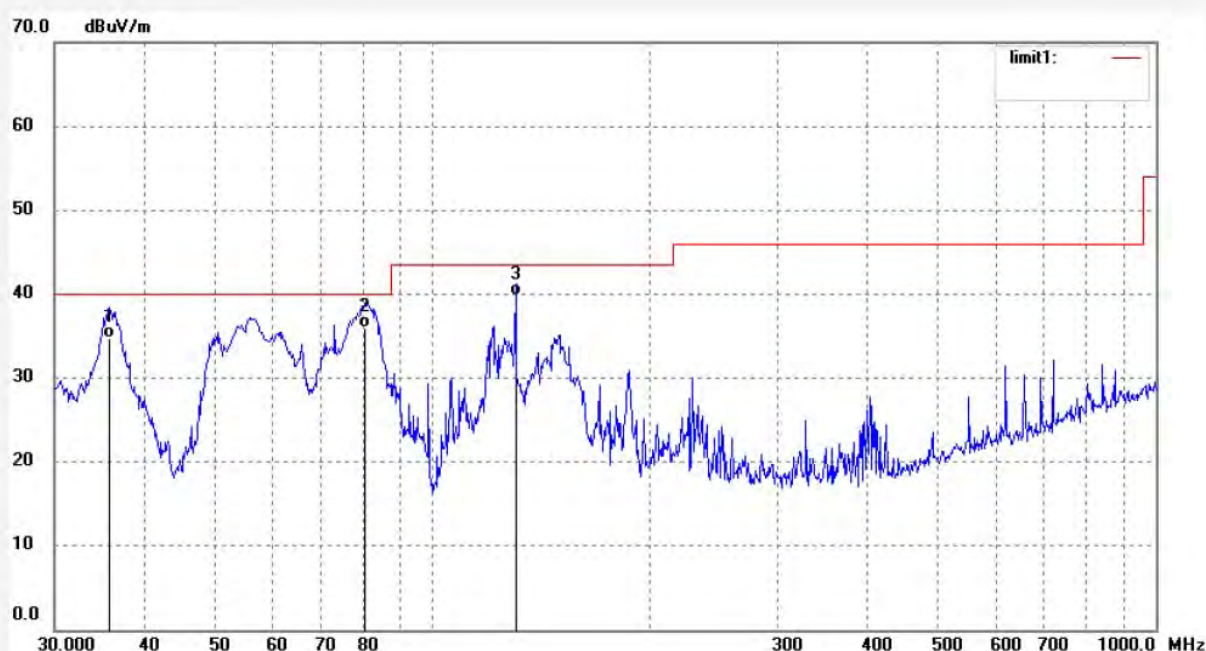
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star #3621
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: 7INCH TABLET
Mode: TX Channel 11(802.11b)
Model: C70
Manufacturer: EKEN

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/01/30/
Time: 8/35/43
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.7617	19.25	15.51	34.76	40.00	-5.24	QP			
2	80.8042	23.42	12.63	36.05	40.00	-3.95	QP			
3	130.3048	27.00	12.89	39.89	43.50	-3.61	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.: star #3646

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 11(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

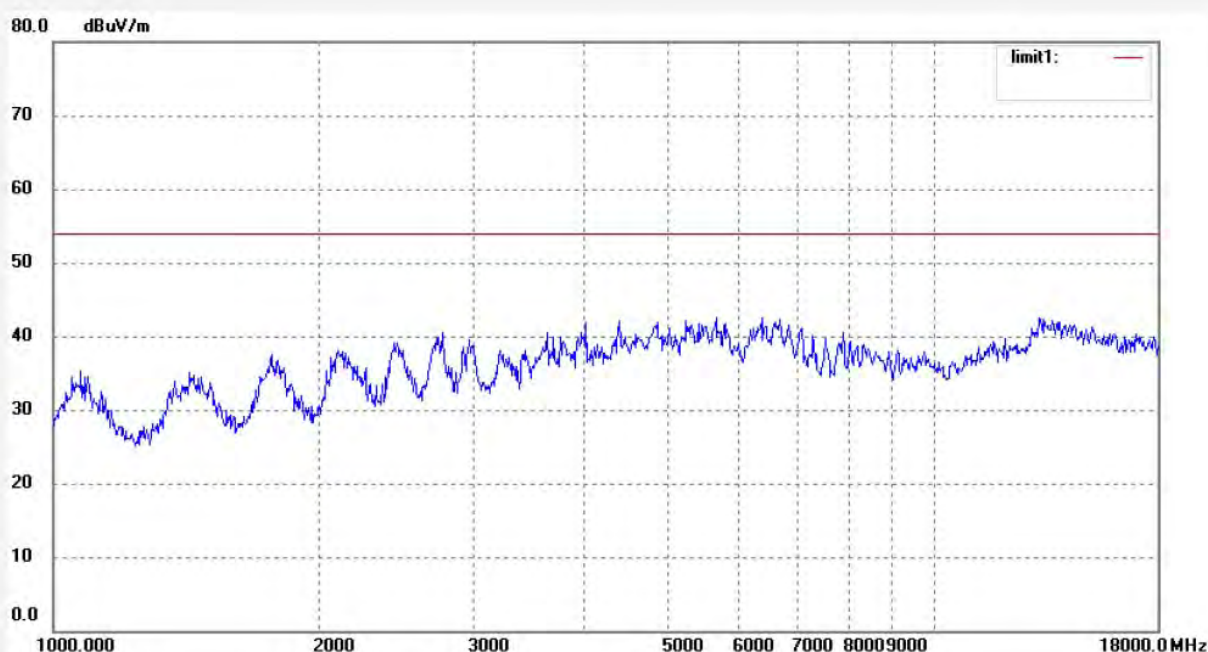
Date: 13/01/30/

Time: 10/13/23

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



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

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3647

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 11(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Vertical

Power Source: AC 120V/60Hz

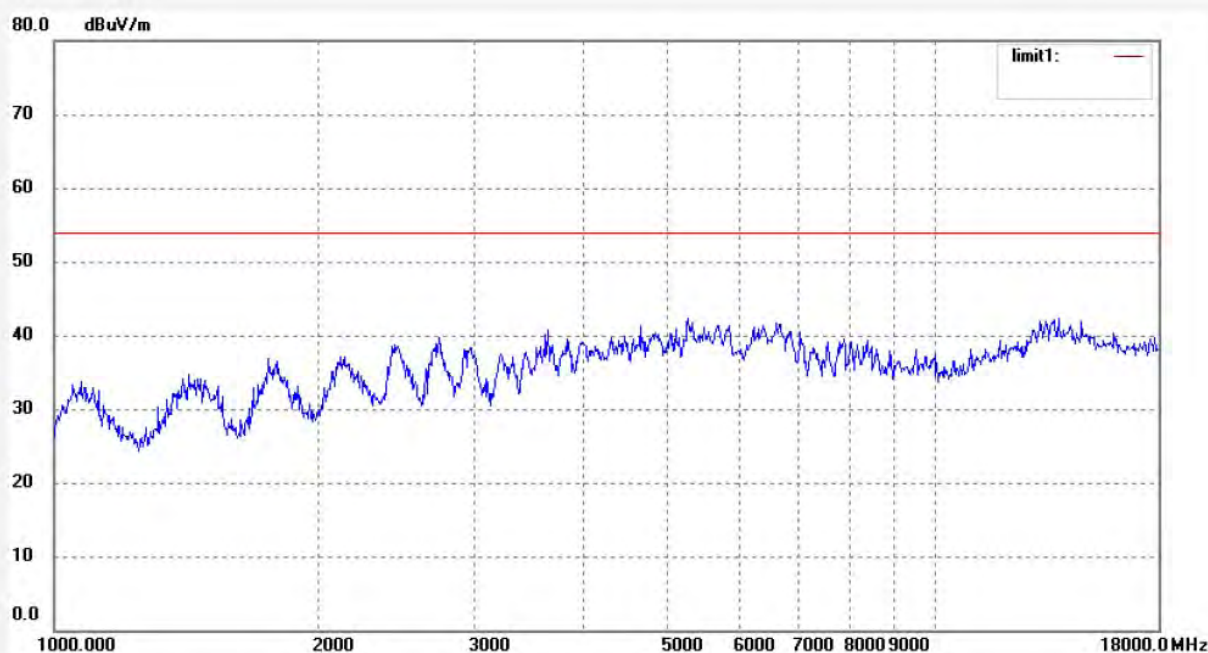
Date: 13/01/30/

Time: 10/19/42

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2046

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: 7INCH TABLET

Mode: TX Channel 11(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

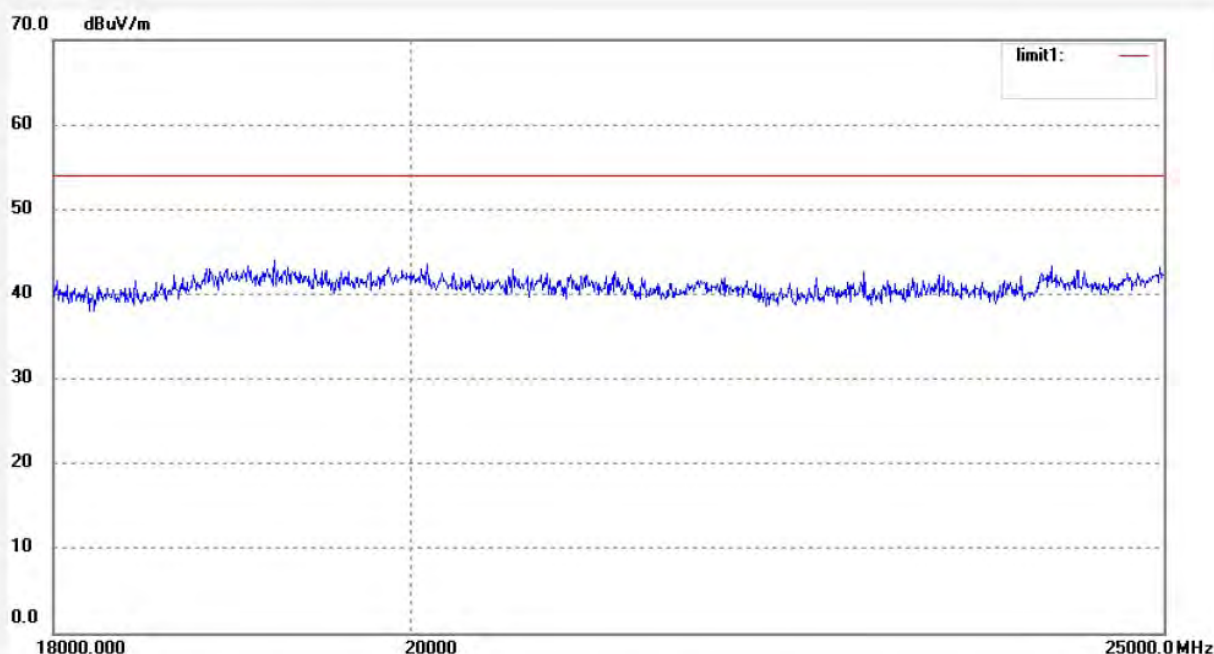
Date: 13/01/31/

Time: 11/56/00

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



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

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star #2045

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: 7INCH TABLET

Mode: TX Channel 11(802.11b)

Model: C70

Manufacturer: EKEN

Polarization: Vertical

Power Source: AC 120V/60Hz

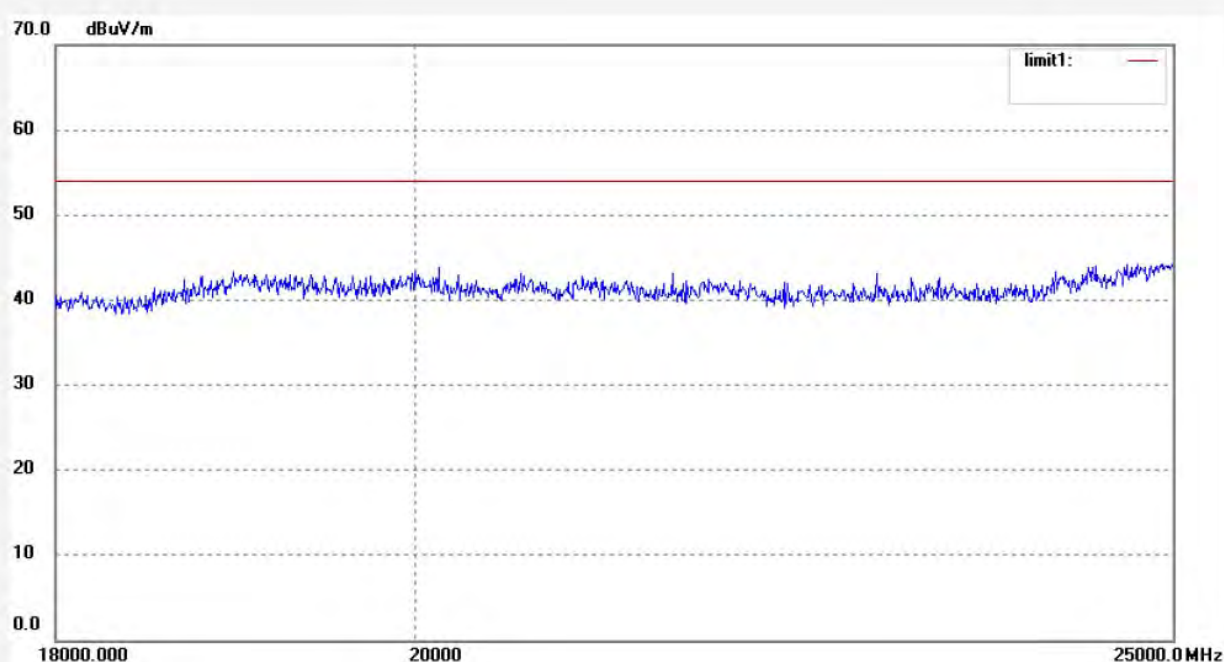
Date: 13/01/31/

Time: 11/53/37

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3623

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11g)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

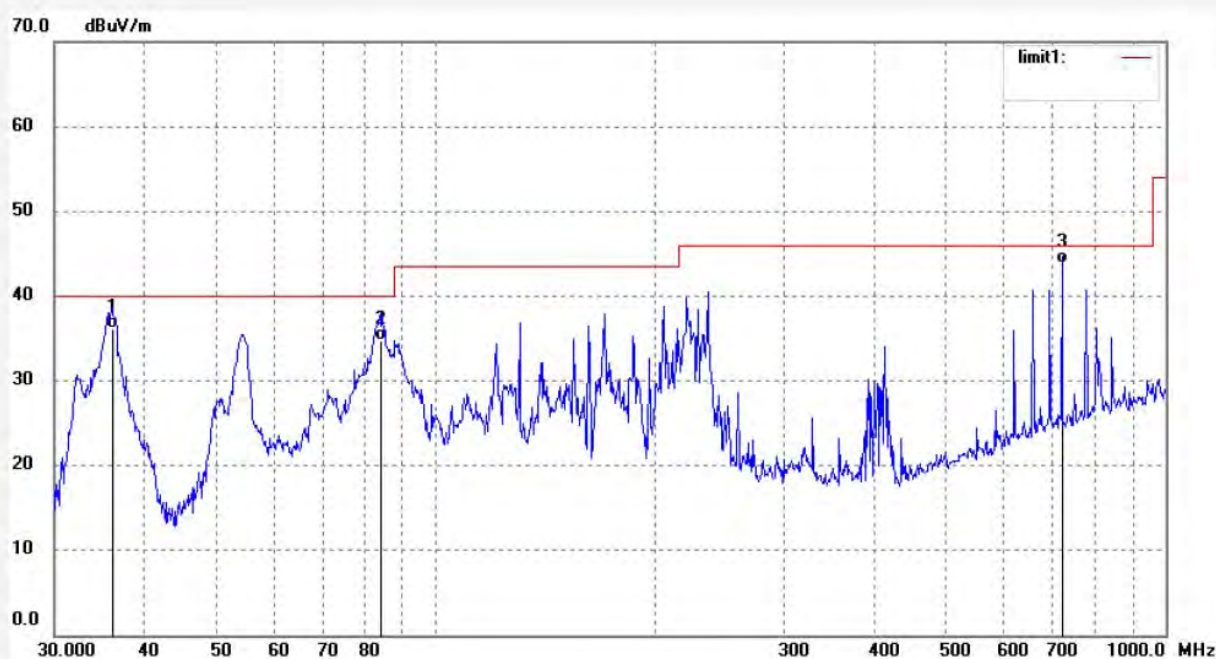
Date: 13/01/30/

Time: 8/42/45

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.0138	20.73	15.46	36.19	40.00	-3.81	QP			
2	83.9882	21.43	13.34	34.77	40.00	-5.23	QP			
3	721.2544	18.66	25.23	43.89	46.00	-2.11	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.: star #3624

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11g)

Model: C70

Manufacturer: EKEN

Polarization: Vertical

Power Source: AC 120V/60Hz

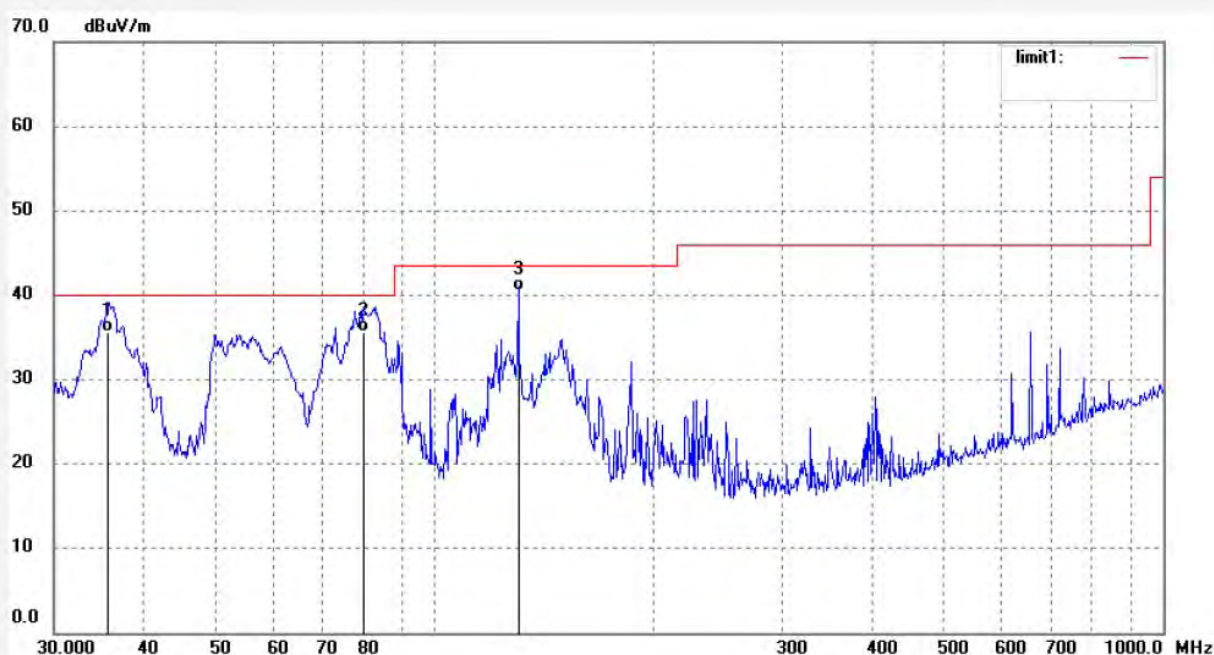
Date: 13/01/30/

Time: 8/45/41

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.6362	20.11	15.54	35.65	40.00	-4.35	QP			
2	79.9569	23.11	12.44	35.55	40.00	-4.45	QP			
3	130.3048	27.68	12.89	40.57	43.50	-2.93	QP			


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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3649

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11g)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

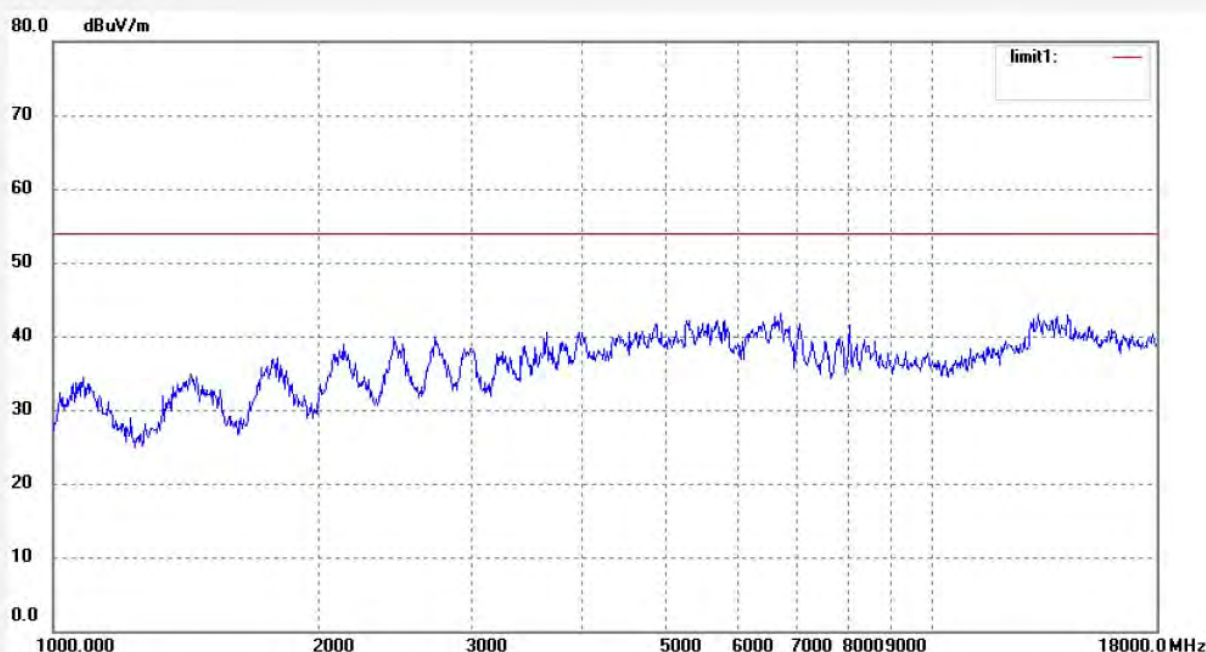
Date: 13/01/30/

Time: 10/26/18

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



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

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3648

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11g)

Model: C70

Manufacturer: EKEN

Polarization: Vertical

Power Source: AC 120V/60Hz

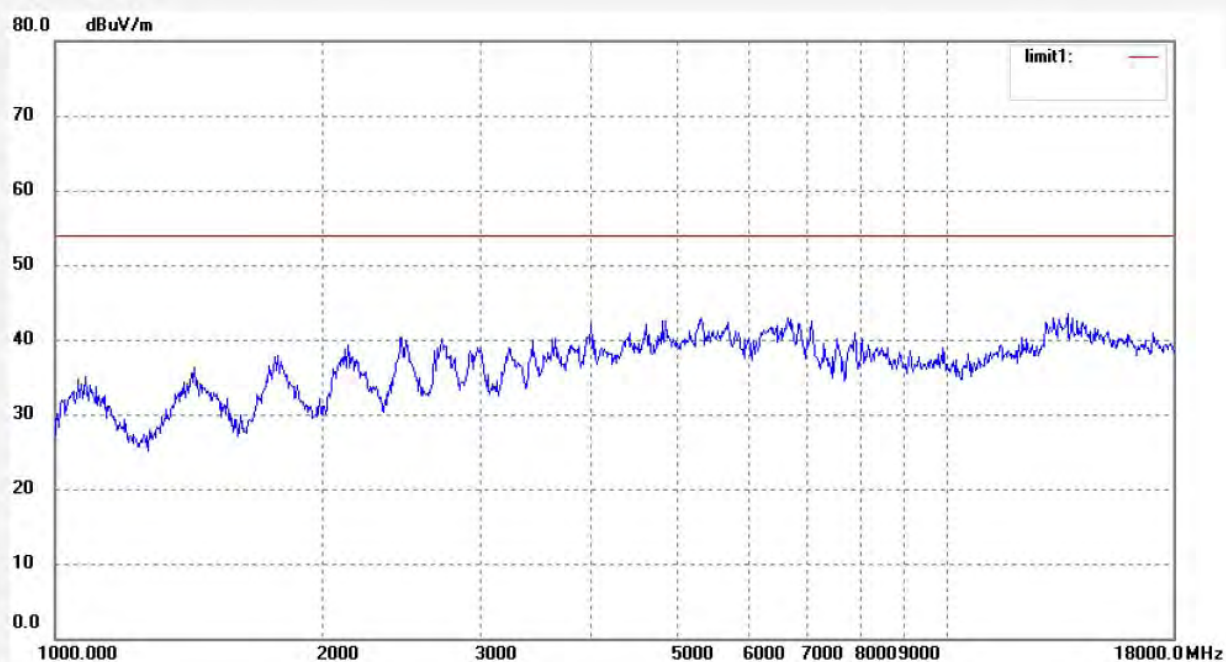
Date: 13/01/30/

Time: 10/23/39

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



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

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: star #2047

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11g)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

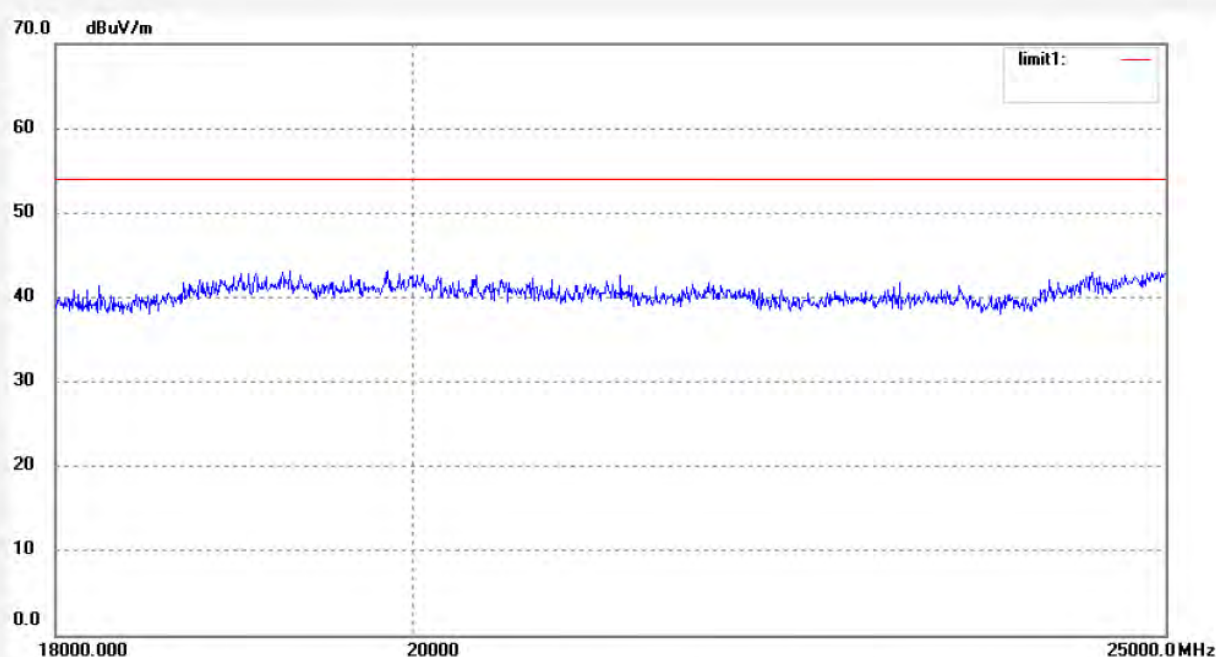
Date: 13/01/31/

Time: 11/59/53

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



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

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2048

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: 7INCH TABLET

Mode: TX Channel 1(802.11g)

Model: C70

Manufacturer: EKEN

Polarization: Vertical

Power Source: AC 120V/60Hz

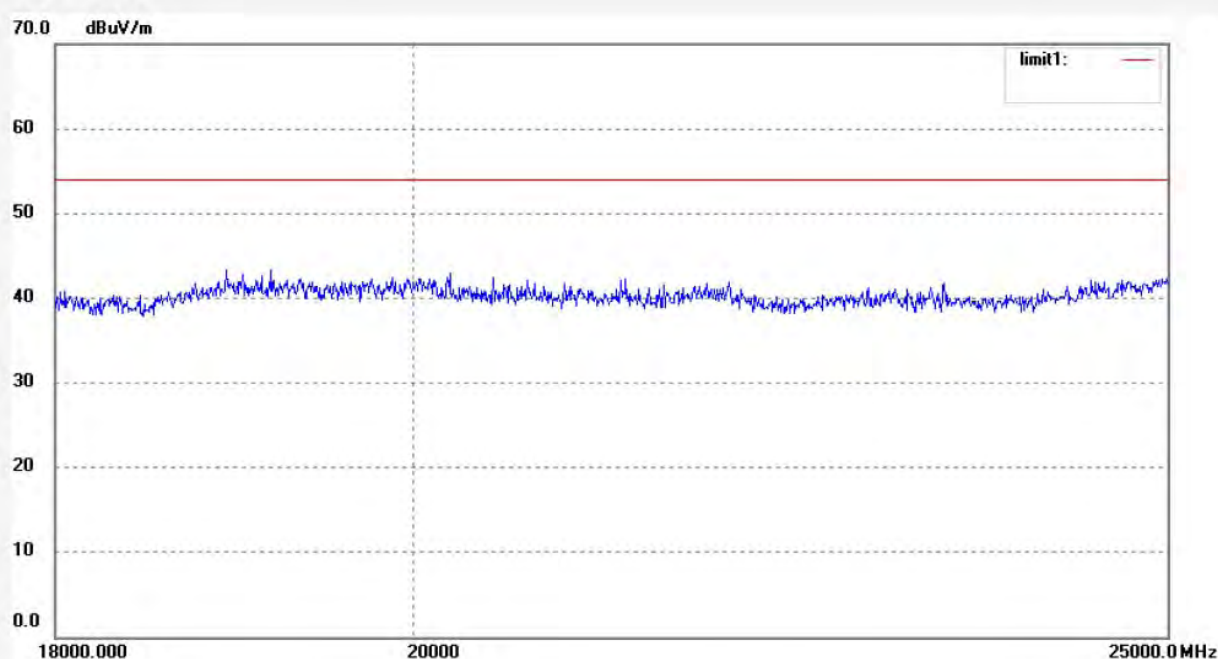
Date: 13/01/31/

Time: 12/04/12

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



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

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3626

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 6(802.11g)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

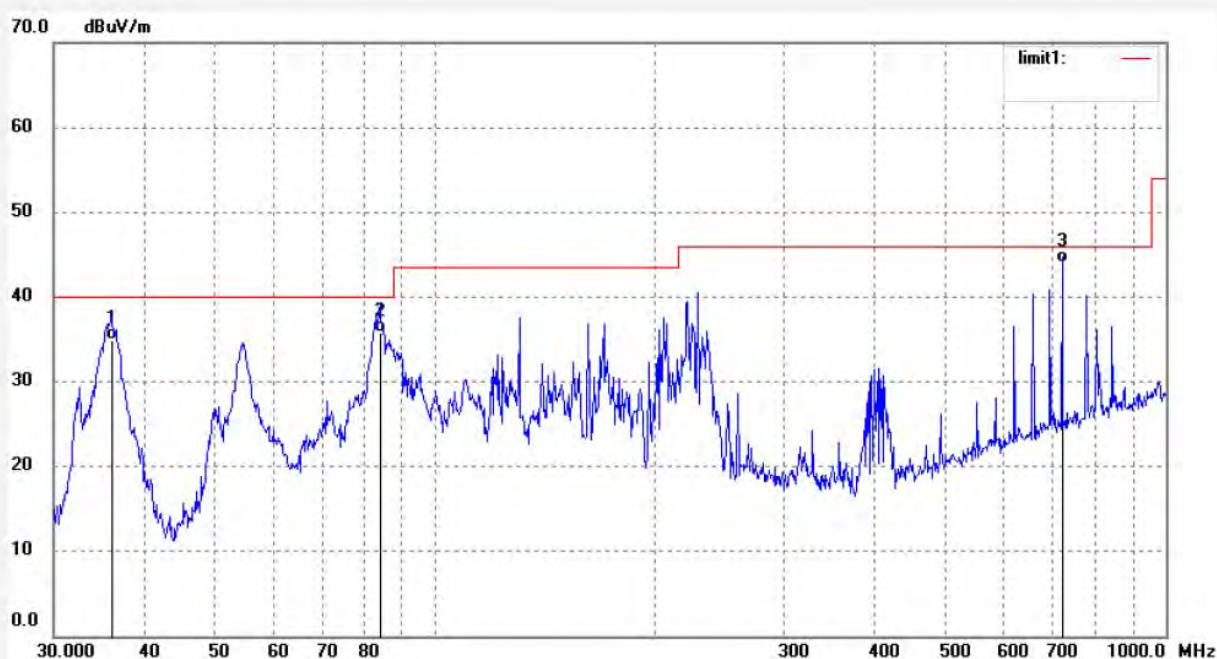
Date: 13/01/30/

Time: 8/53/16

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.0138	19.43	15.46	34.89	40.00	-5.11	QP			
2	83.9882	22.47	13.34	35.81	40.00	-4.19	QP			
3	721.2544	18.72	25.23	43.95	46.00	-2.05	QP			



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

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

Job No.: star #3625

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 6(802.11g)

Model: C70

Manufacturer: EKEN

Polarization: Vertical

Power Source: AC 120V/60Hz

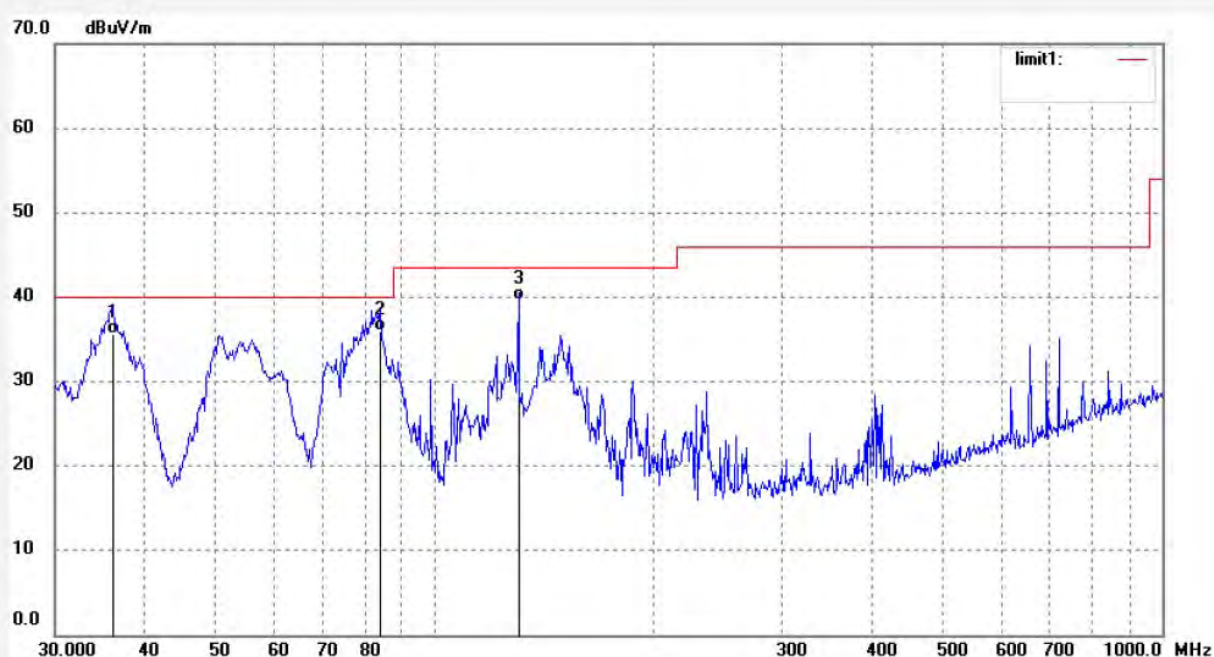
Date: 13/01/30/

Time: 8/49/26

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	36.0138	20.17	15.46	35.63	40.00	-4.37	QP			
2	83.9882	22.54	13.34	35.88	40.00	-4.12	QP			
3	130.3048	26.83	12.89	39.72	43.50	-3.78	QP			


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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #3650

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 26 C / 55 %

EUT: 7INCH TABLET

Mode: TX Channel 6(802.11g)

Model: C70

Manufacturer: EKEN

Polarization: Horizontal

Power Source: AC 120V/60Hz

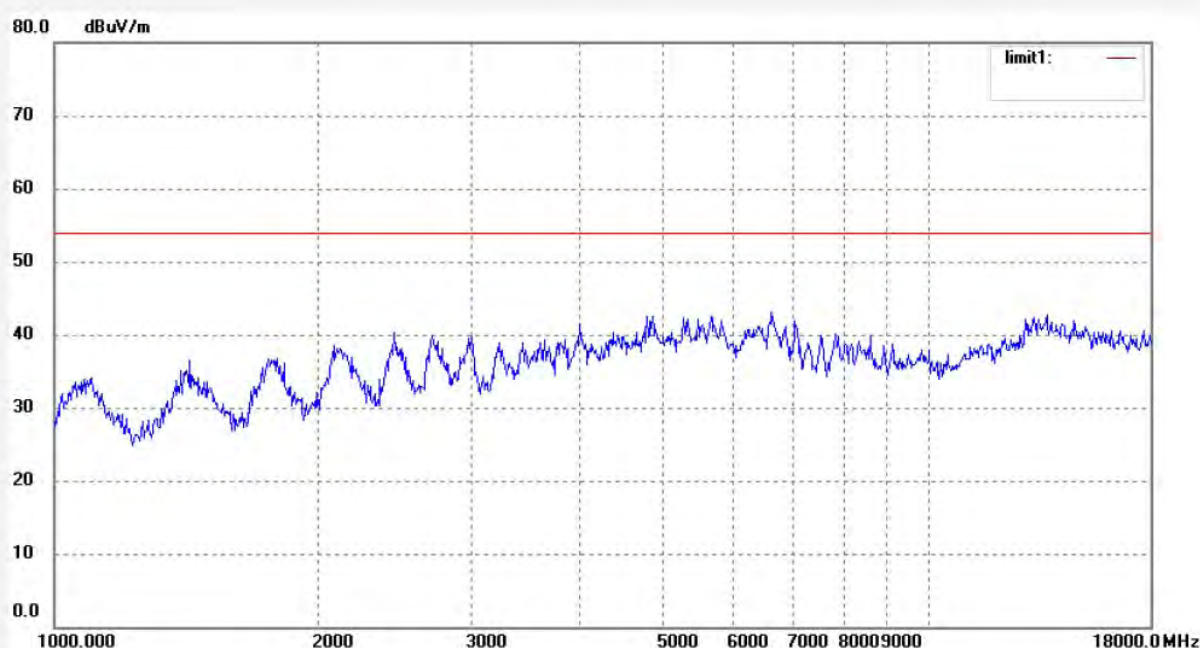
Date: 13/01/30/

Time: 10/30/22

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20130157



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