

APPLICATION CERTIFICATION FCC Part 15C

On Behalf of
Shenzhen BNB Digital Tech. Co., Ltd.

MID
Model No.: TB782B, HM-704F, MA71

FCC ID: C8OTB782B

Prepared for : Shenzhen BNB Digital Tech. Co., Ltd.
Address : 5th Floor, B Building, The Second Light Industry Factory,
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Report Number : ATE20120636
Date of Test : April 13-May 3, 2012
Date of Report : May 3, 2012

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Test Report Certification

Applicant : Shenzhen BNB Digital Tech. Co., Ltd.

Manufacturer : Shenzhen BNB Digital Tech. Co., Ltd.

EUT Description : MID

(A) MODEL NO.: TB782B, HM-704F, MA71

(B) SERIAL NO.: N/A

(C) POWER SUPPLY: DC 3.7V (Power by Li-polymer battery or USB port);

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247

ANSI C63.4: 2003

KDB558074 January 18, 2012

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 : April 13-May 3, 2012

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	MID
Model Number	:	TB782B, HM-704F, MA71 (Note: These samples are same except for the appearance is difference. So we prepare the TB782B 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 (Power by Li-polymer battery or USB port) (Note: This product does not have the adapter, give him power supply is a computer USB port)
Data Rate	:	802.11b: 11, 5.5, 2, 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11n: 150/135/121.5/108/81/54/40.5/27/13.5Mbps 130/117/104/78/52/39/26/13Mbps
Applicant	:	Shenzhen BNB Digital Tech. Co., Ltd.
Address	:	5 th Floor, B Building, The Second Light Industry Factory, Bao An 35 District, Shenzhen, Guangdong Province, China
Manufacturer	:	Shenzhen BNB Digital Tech. Co., Ltd.
Address	:	5 th Floor, B Building, The Second Light Industry Factory, Bao An 35 District, Shenzhen, Guangdong Province, China
Date of sample received	:	April 10, 2012
Date of Test	:	April 13-May 3, 2012

1.2. Test Procedure

The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

1.3. 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	---	---

1.4. Special Accessory and Auxiliary Equipment

Notebook PC : Manufacturer: LENOVO
M/N: 4290-RT8
S/N: R9-FW93G 11/08

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. 8, 2012	Jan. 7, 2013
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 8, 2012	Jan. 7, 2013
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 8, 2012	Jan. 7, 2013
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 8, 2012	Jan. 7, 2013
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 8, 2012	Jan. 7, 2013
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 8, 2012	Jan. 7, 2013
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 8, 2012	Jan. 7, 2013
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 8, 2012	Jan. 7, 2013
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 8, 2012	Jan. 7, 2013
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 8, 2012	Jan. 7, 2013

3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

The mode is used: **Tests were performed 3 axis directions(X, Y, and Z)**
We found that the Y axis interference maximum, so the data was shown the worst Y axis

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

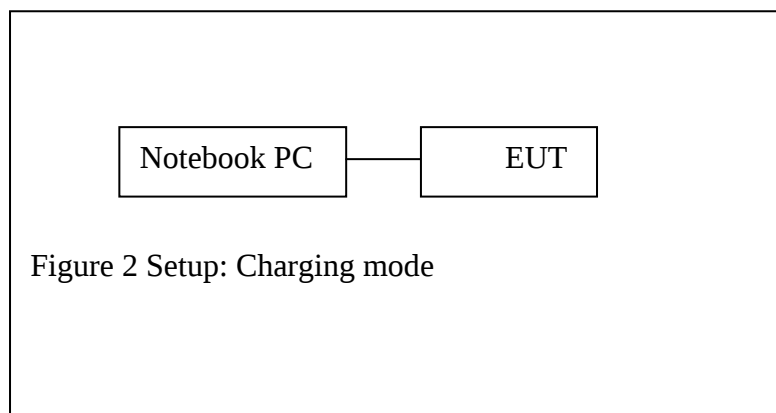
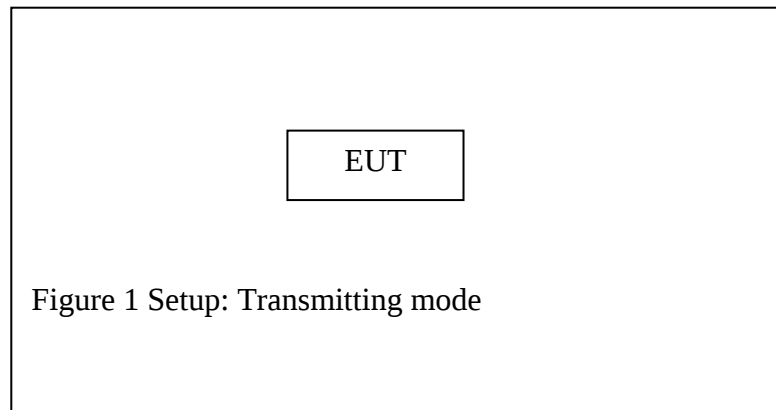
Middle Channel: 2437MHz

High Channel: 2452MHz

5. Charging

Through the USB port to charging products

3.2.Configuration and peripherals

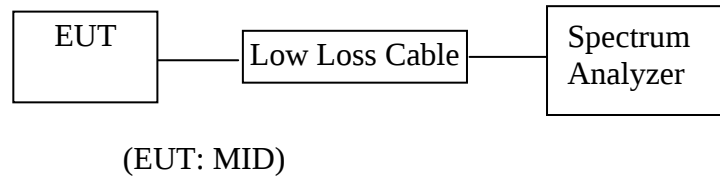


4. TEST PROCEDURES AND RESULTS

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

5. 6DB BANDWIDTH MEASUREMENT

5.1. Block Diagram of Test Setup



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

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

5.3. EUT Configuration on Measurement

The 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. MID (EUT)

Model Number	:	TB782B
Serial Number	:	N/A
Manufacturer	:	Shenzhen BNB Digital Tech. 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

The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

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

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

5.5.3. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

5.6. Test Result

PASS.

Date of Test:	<u>April 26, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>TB782B</u>	Power Supply:	<u>DC 3.7V</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	12.08	> 0.5MHz
Middle	2437	12.00	> 0.5MHz
High	2462	12.00	> 0.5MHz

The test was performed with 802.11g			
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	16.64	> 0.5MHz
Middle	2437	16.62	> 0.5MHz
High	2462	16.60	> 0.5MHz

The test was performed with 802.11n (Bandwidth: 20 MHz)			
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	17.88	> 0.5MHz
Middle	2437	17.88	> 0.5MHz
High	2462	17.88	> 0.5MHz

The test was performed with 802.11n (Bandwidth: 40 MHz)			
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2422	36.56	> 0.5MHz
Middle	2437	36.56	> 0.5MHz
High	2452	36.56	> 0.5MHz

The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz

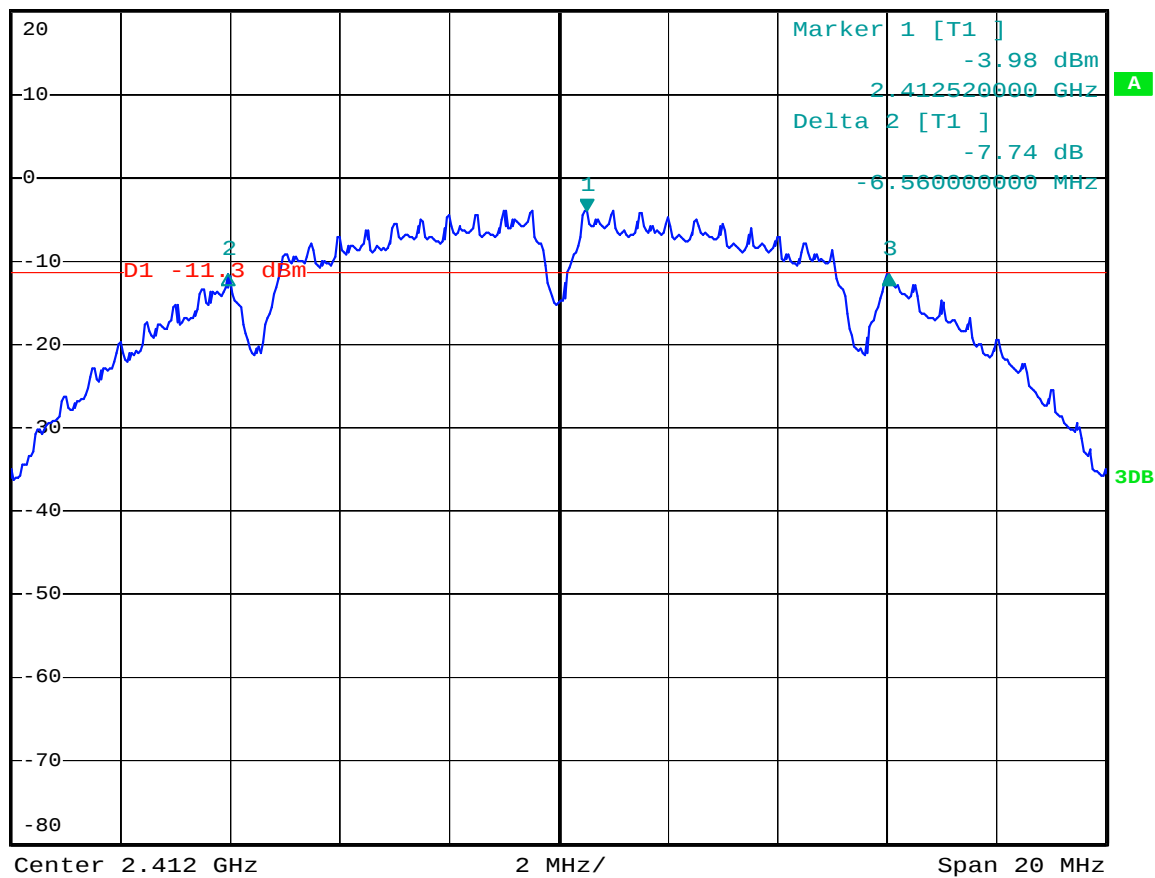


* RBW 100 kHz Delta 3 [T1]
 * VBW 300 kHz -7.66 dB
 * SWT 2.5 ms 5.520000000 MHz

Ref 20 dBm

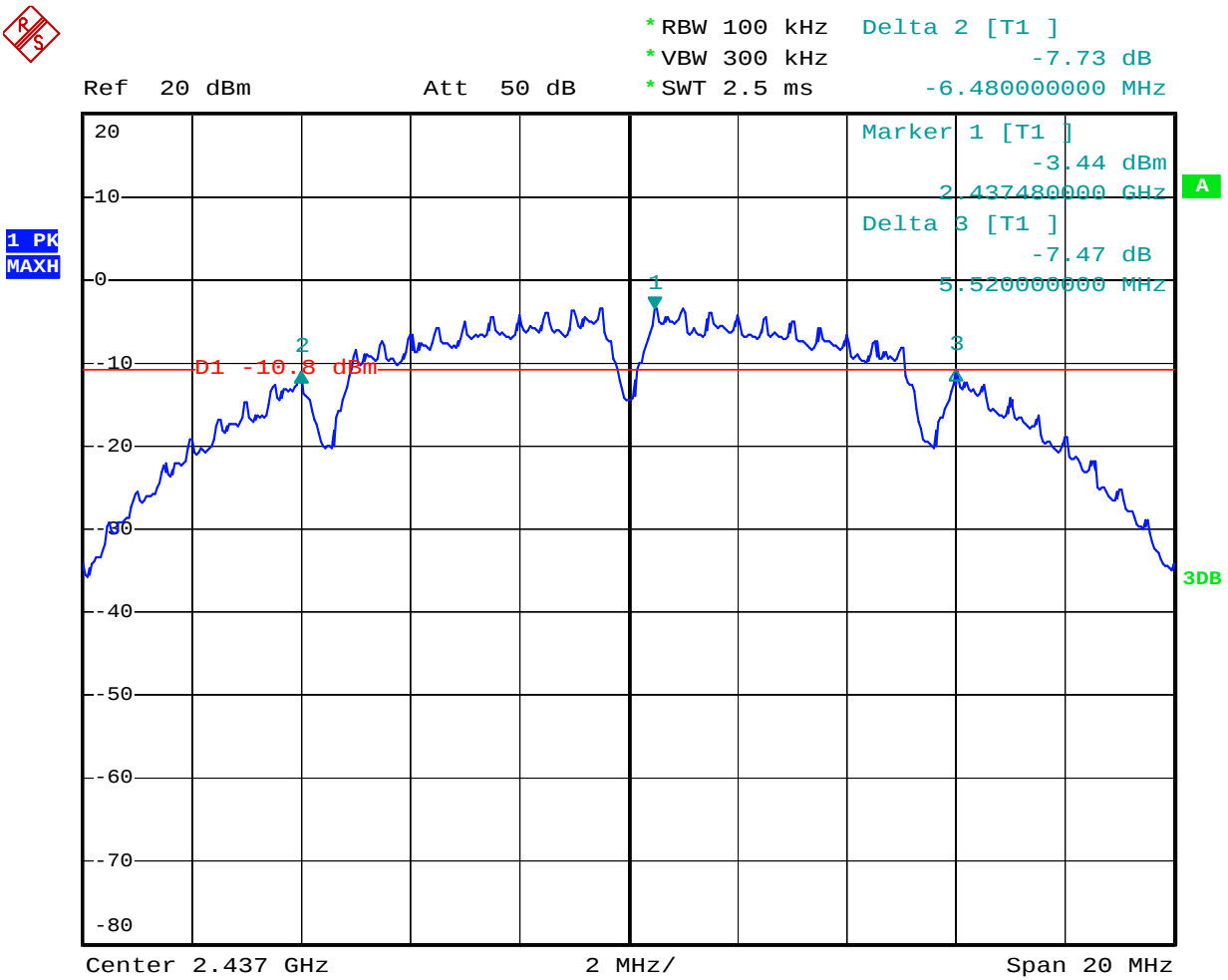
Att 50 dB

1 PK
 MAXH



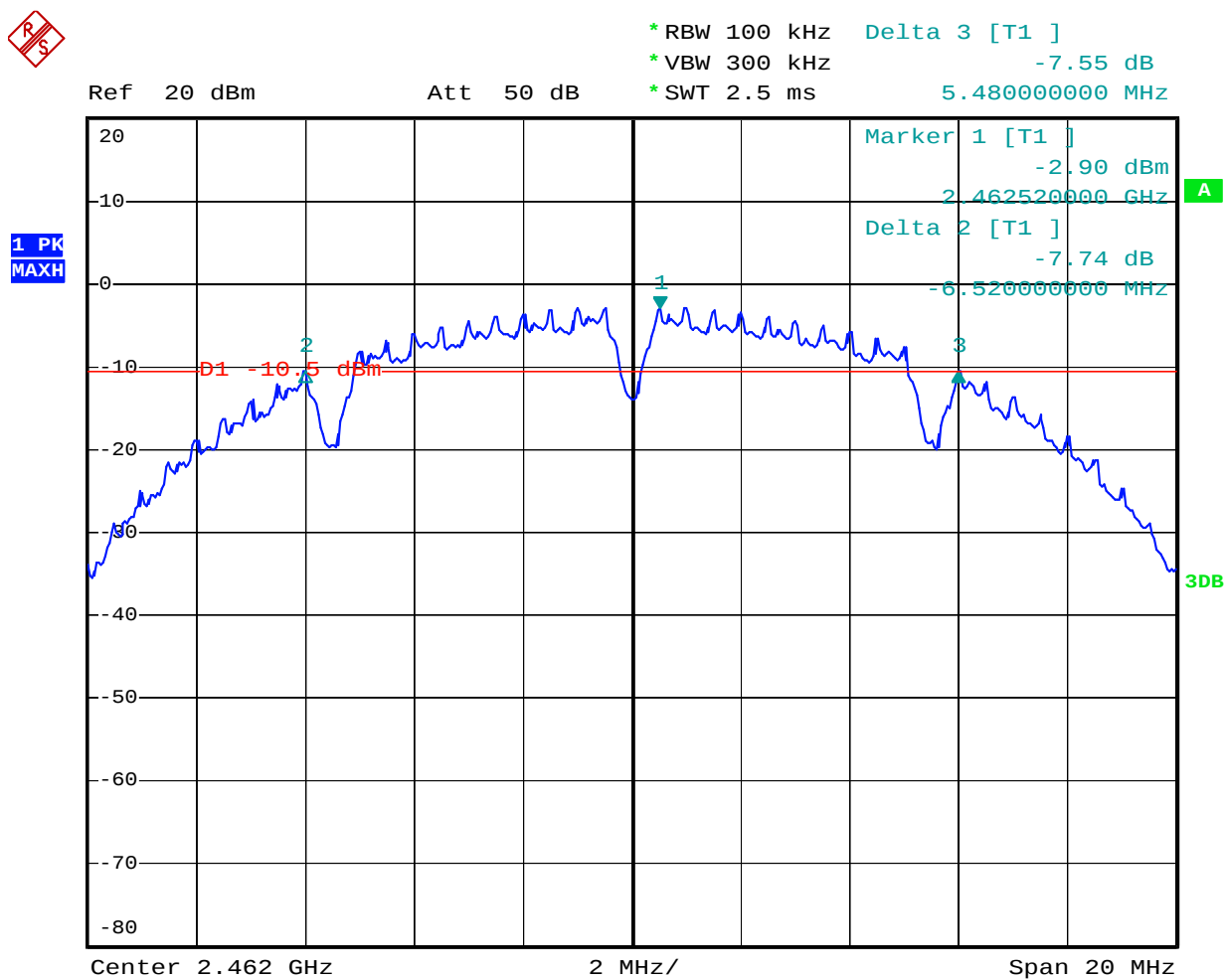
Date: 26.APR.2012 19:43:01

802.11b Channel Middle 2437MHz



Date: 26.APR.2012 19:38:28

802.11b Channel High 2462MHz



Date: 26.APR.2012 19:45:06

802.11g Channel Low 2412MHz

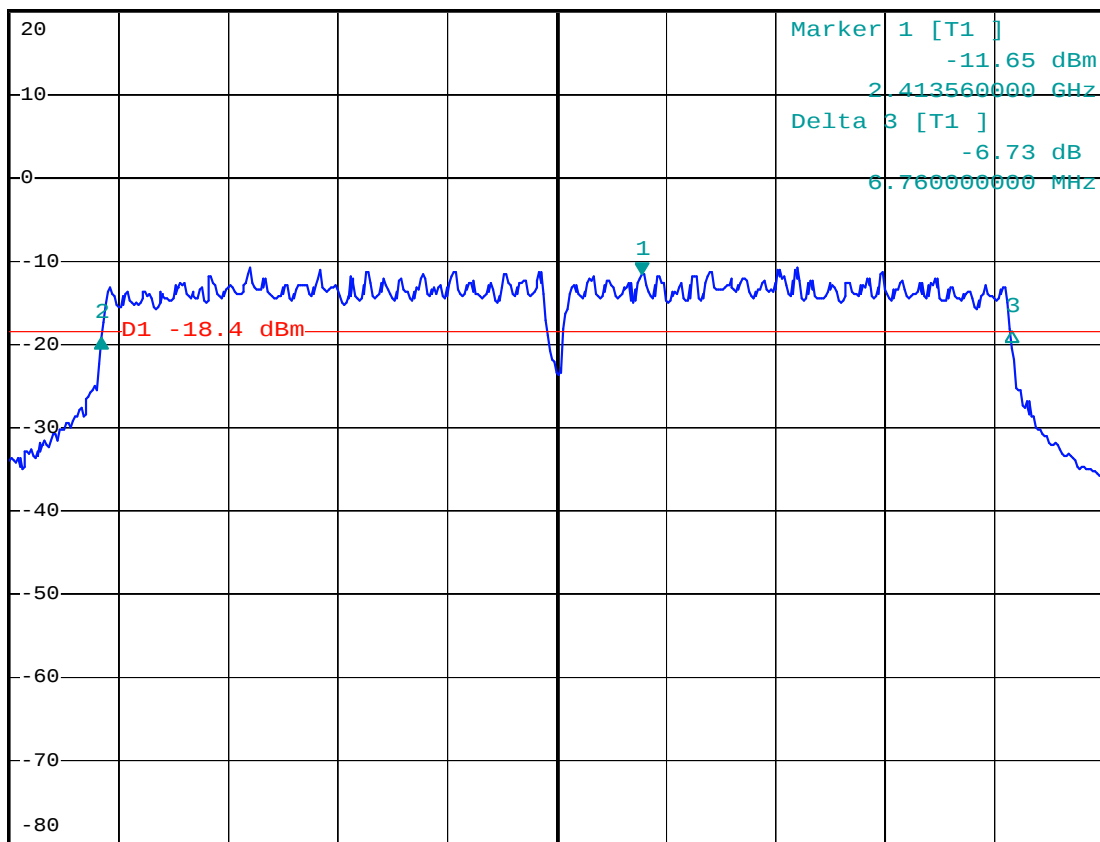


* RBW 100 kHz Delta 2 [T1]
 * VBW 300 kHz -7.60 dB
 * SWT 2.5 ms -9.880000000 MHz

Ref 20 dBm

Att 50 dB

1 PK
MAXH



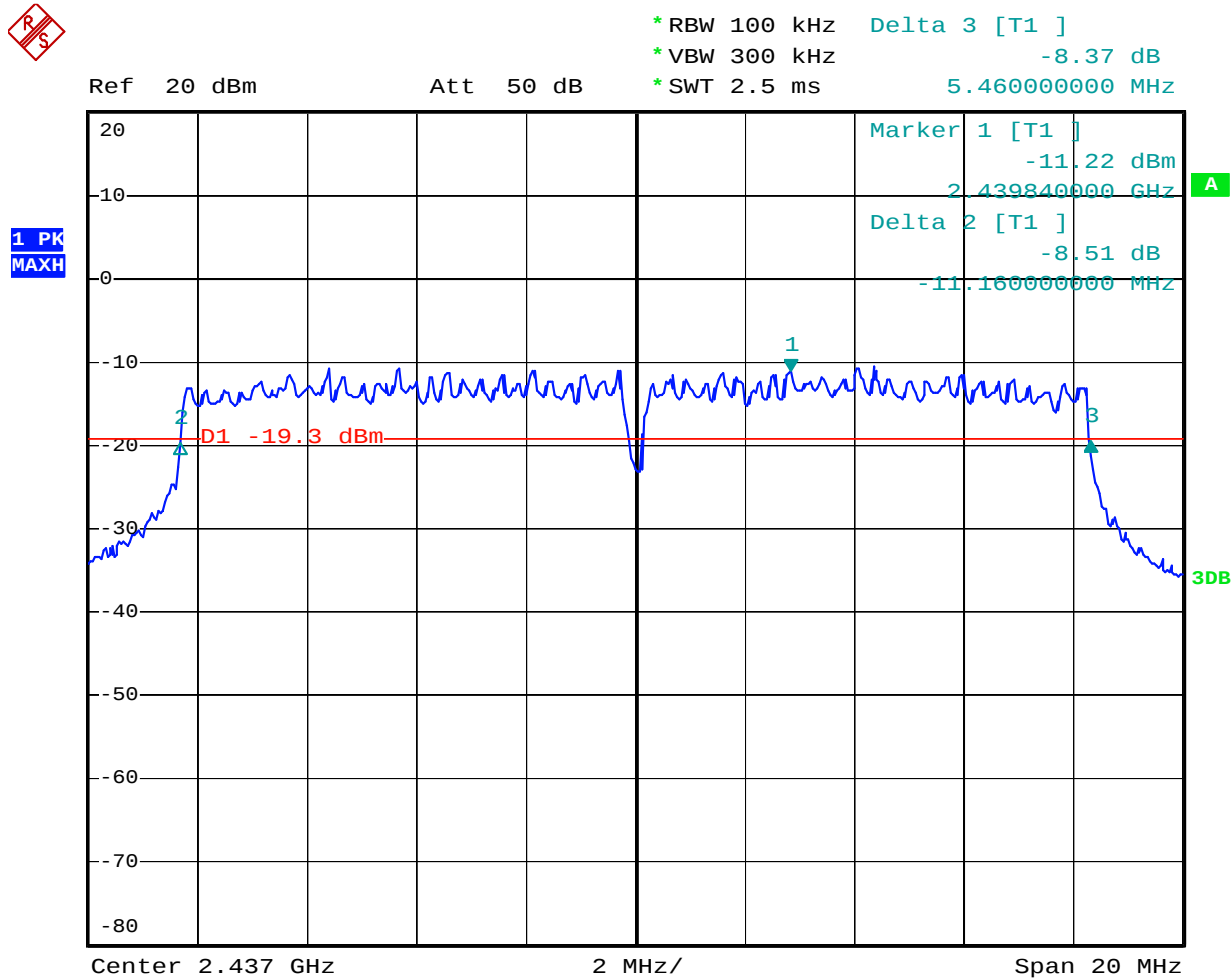
Center 2.412 GHz

2 MHz/

Span 20 MHz

Date: 26.APR.2012 19:52:18

802.11g Channel Middle 2437MHz



Date: 26.APR.2012 20:39:16

802.11g Channel High 2462MHz

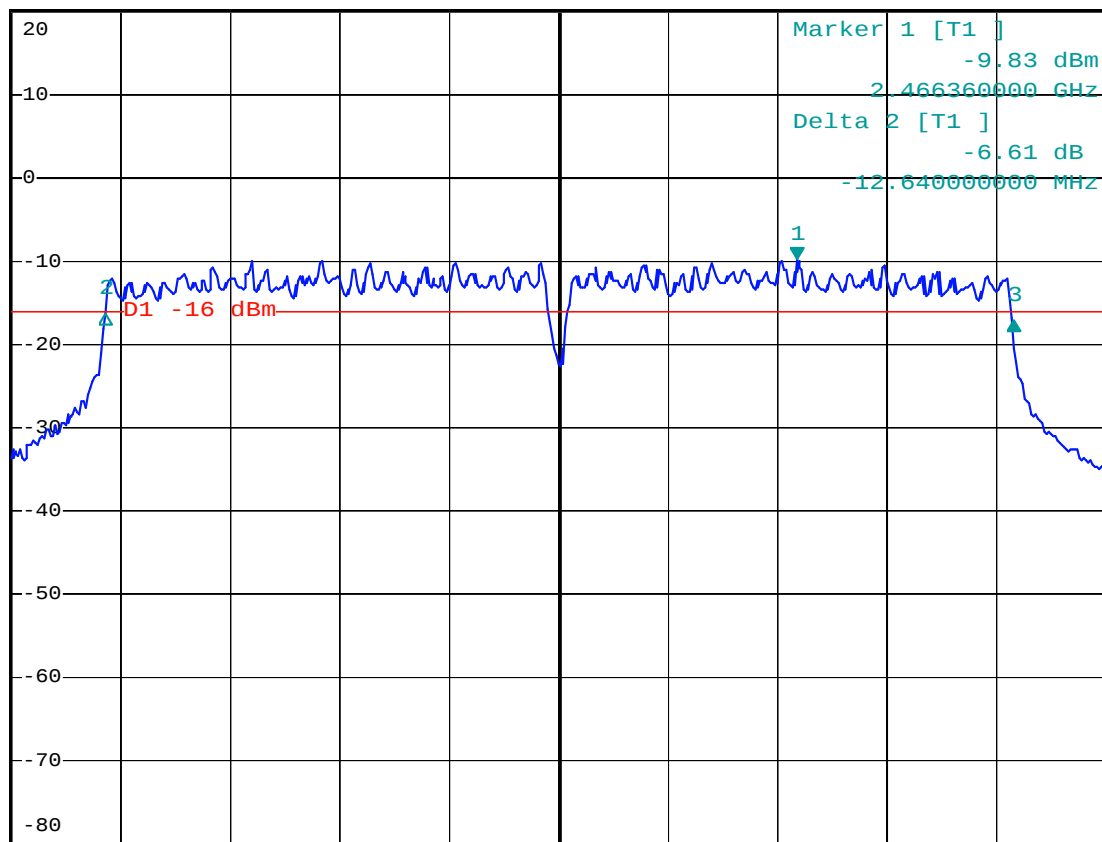


* RBW 100 kHz Delta 3 [T1]
 * VBW 300 kHz -7.44 dB
 * SWT 2.5 ms 3.960000000 MHz

Ref 20 dBm

Att 50 dB

1 PK
MAXH



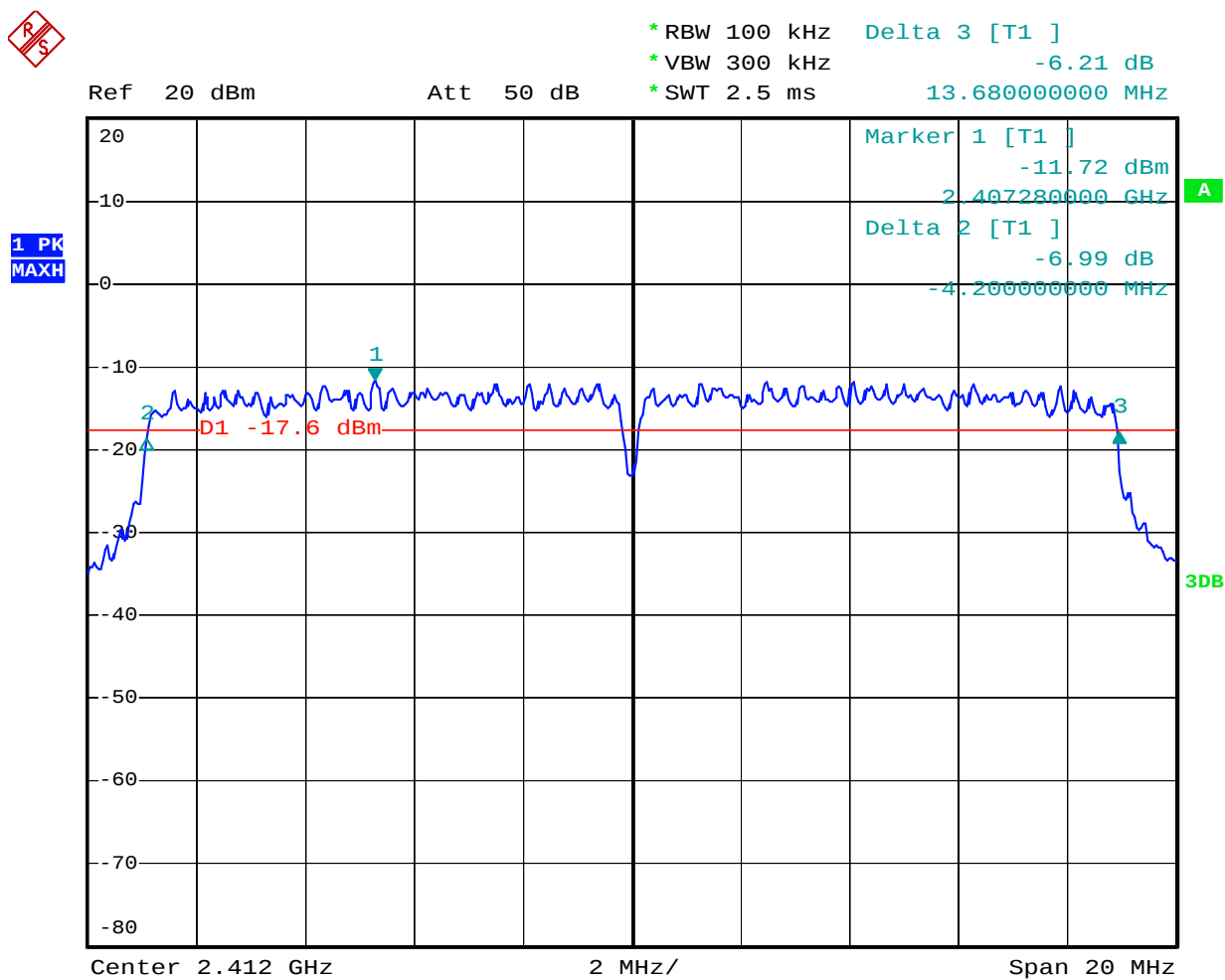
Center 2.462 GHz

2 MHz/

Span 20 MHz

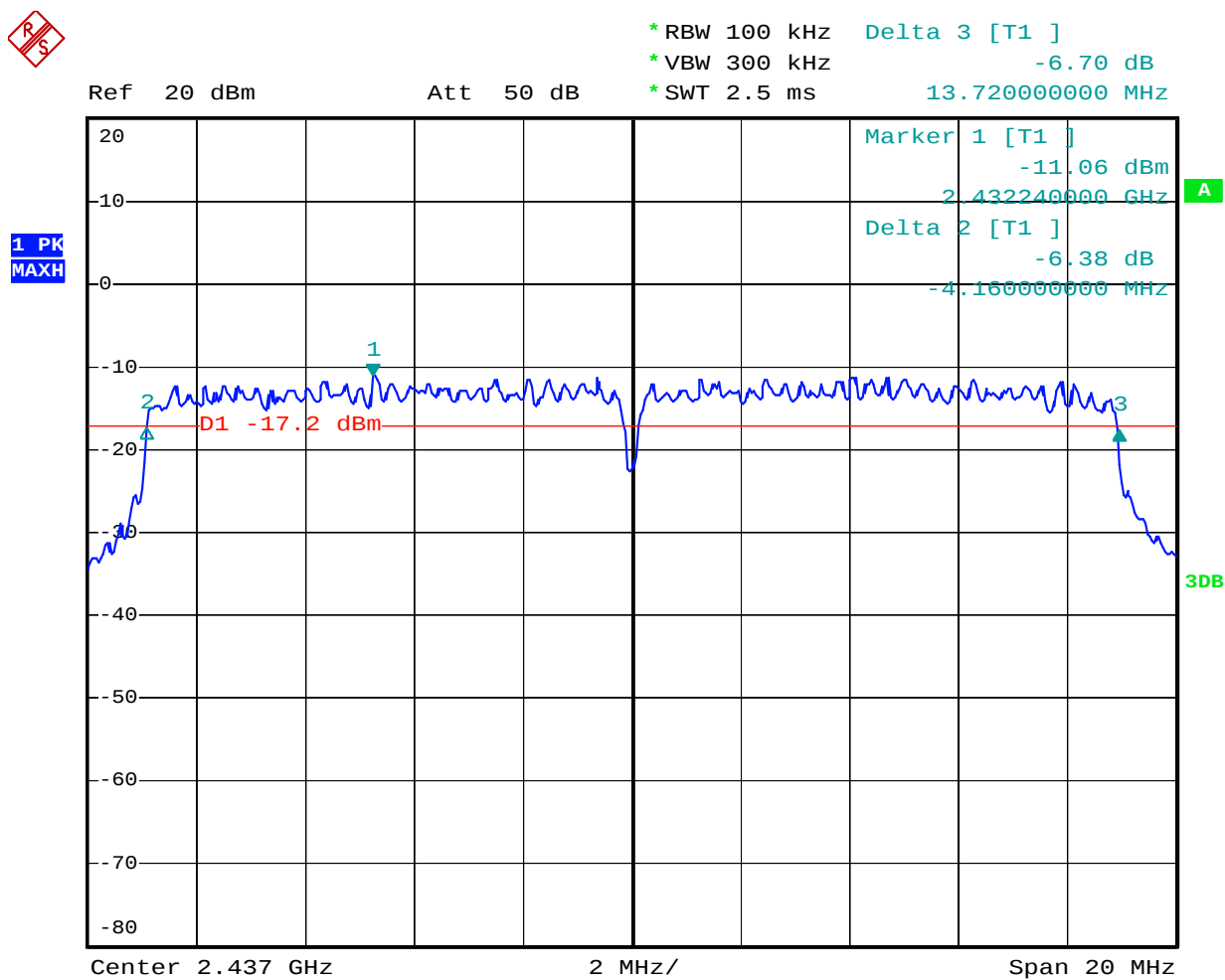
Date: 26.APR.2012 20:49:58

802.11n Channel Low 2412MHz (20MHz)



Date: 26.APR.2012 21:13:03

802.11n Channel Middle 2437MHz (20MHz)



Date: 26.APR.2012 21:28:39

802.11n Channel High 2462MHz(20MHz)

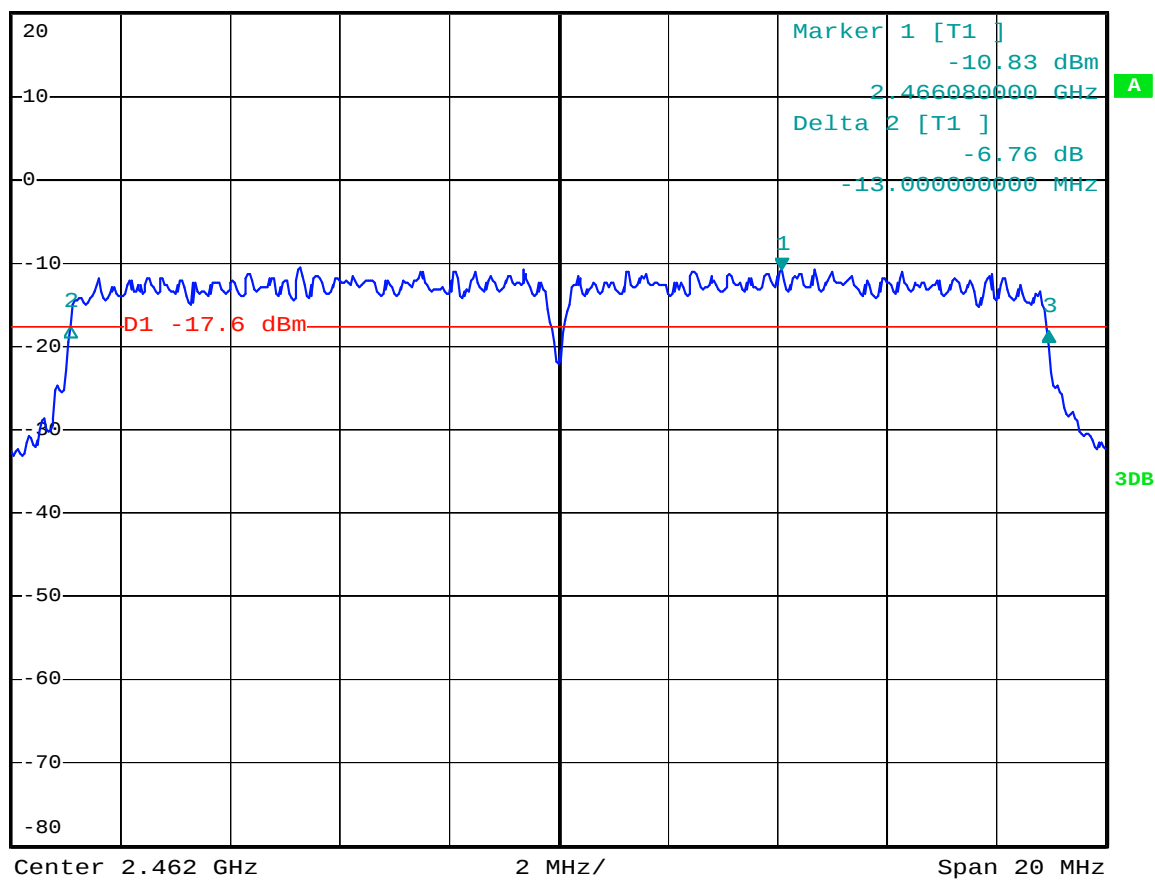


* RBW 100 kHz Delta 3 [T1]
 * VBW 300 kHz -7.32 dB
 * SWT 2.5 ms 4.880000000 MHz

Ref 20 dBm

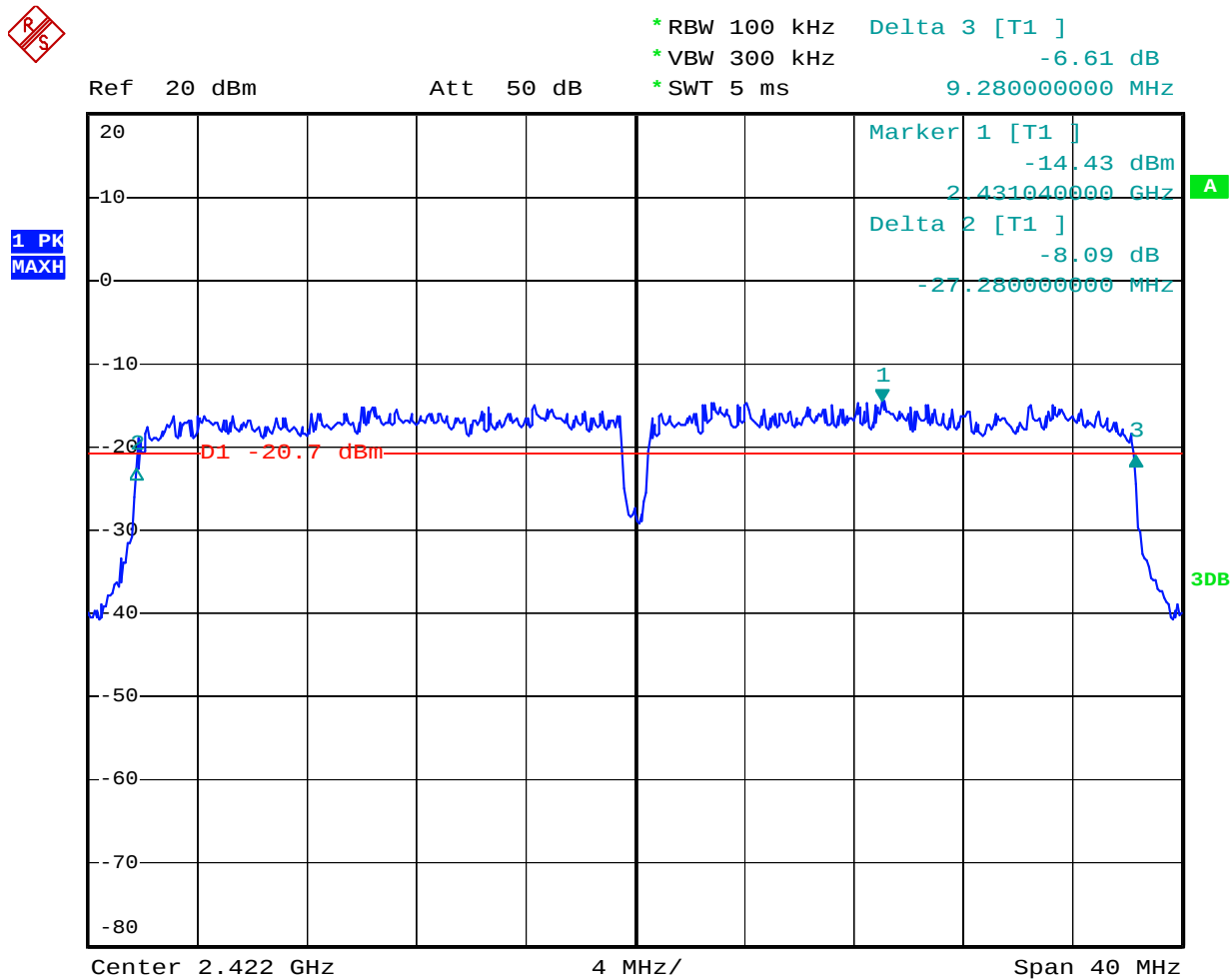
Att 50 dB

1 PK
 MAXH



Date: 26.APR.2012 21:39:55

802.11n Channel Low 2422MHz (40MHz)



Date: 26.APR.2012 21:52:34

802.11n Channel Middle 2437MHz(40MHz)

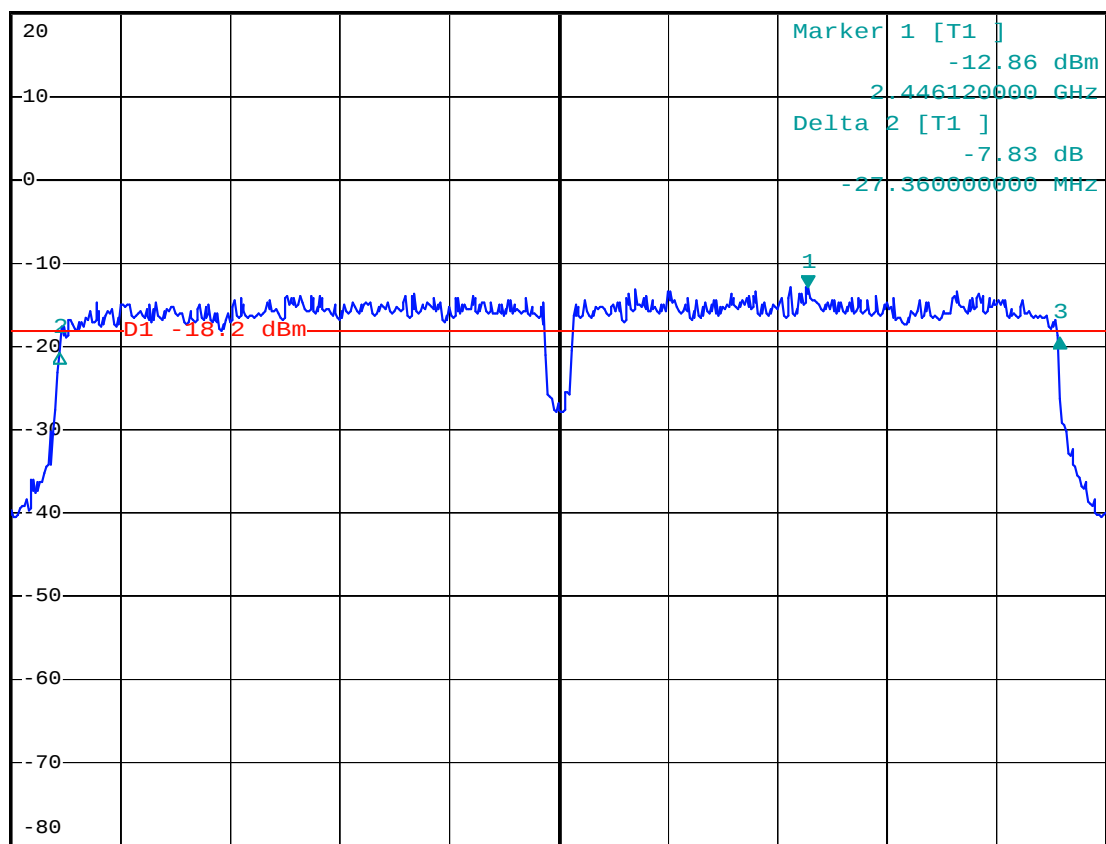


* RBW 100 kHz Delta 3 [T1]
 * VBW 300 kHz -6.19 dB
 * SWT 5 ms 9.200000000 MHz

Ref 20 dBm

Att 50 dB

1 PK
 MAXH



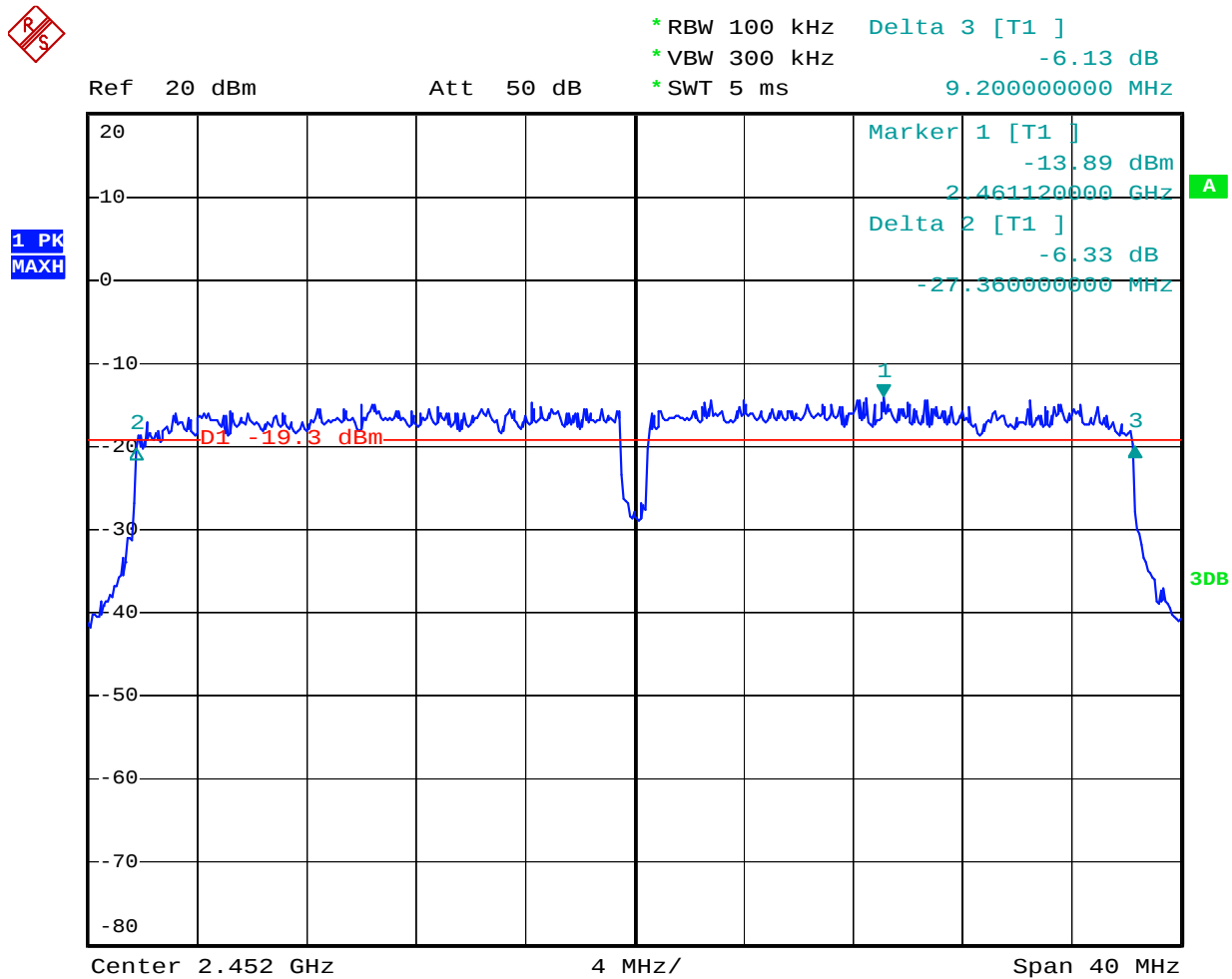
Center 2.437 GHz

4 MHz/

Span 40 MHz

Date: 26.APR.2012 22:33:56

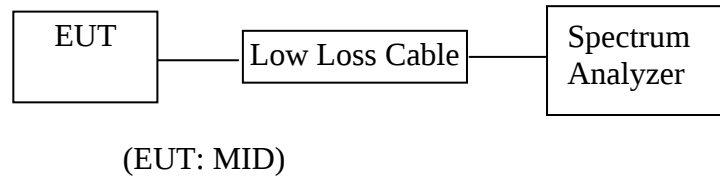
802.11n Channel High 2452MHz(40MHz)



Date: 26.APR.2012 22:52:43

6. MAXIMUM PEAK OUTPUT POWER

6.1. Block Diagram of Test Setup



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

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

6.3. EUT Configuration on Measurement

The 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. MID (EUT)

Model Number	:	TB782B
Serial Number	:	N/A
Manufacturer	:	Shenzhen BNB Digital Tech. 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 January 18, 2012 KDB558074 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. Measurement Procedure PK2:

1. This procedure provides an integrated measurement alternative when the maximum available $RBW < EBW$.
2. Set the $RBW = 1$ MHz.
3. Set the $VBW = 3$ MHz.
4. Set the span to a value that is 5-30 % greater than the EBW .
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the spectrum analyzer's integrated band power measurement function with band limits set equal to the EBW band edges (for some analyzers, this may require a manual override to ensure use of peak detector). If the spectrum analyzer does not have a band power function, sum the spectrum levels (in linear power units) at 1 MHz intervals extending across the EBW of the spectrum.

6.5.4. Measurement the maximum peak output power.

6.6.Test Result

PASS.

Date of Test:	April 26, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	TB782B	Power Supply:	DC 3.7V
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	10.76	11.91	30 dBm / 1 W
Middle	2437	10.84	12.13	30 dBm / 1 W
High	2462	10.50	11.22	30 dBm / 1 W

The test was performed with 802.11g

Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	9.91	9.79	30 dBm / 1 W
Middle	2437	9.85	9.66	30 dBm / 1 W
High	2462	10.77	11.94	30 dBm / 1 W

The test was performed with 802.11n (20MHz)

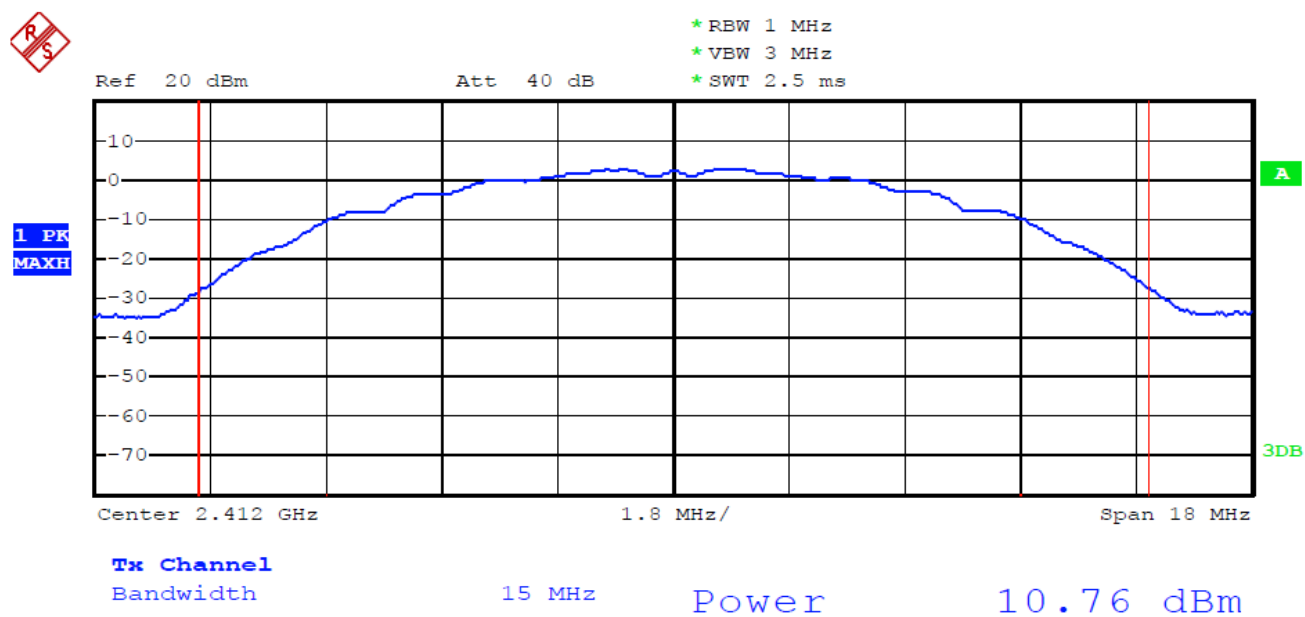
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	9.48	8.87	30 dBm / 1 W
Middle	2437	10.02	10.05	30 dBm / 1 W
High	2462	10.48	11.17	30 dBm / 1 W

The test was performed with 802.11n (40MHz)

Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2422	9.43	8.77	30 dBm / 1 W
Middle	2437	9.96	9.91	30 dBm / 1 W
High	2452	10.06	10.14	30 dBm / 1 W

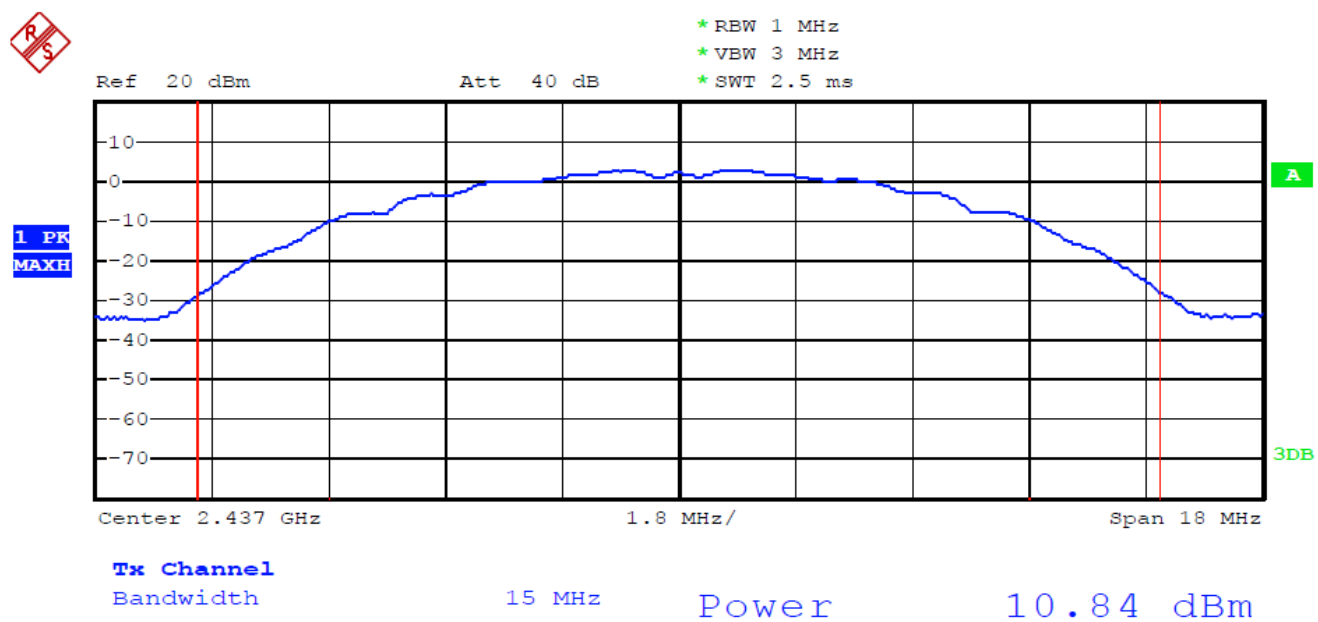
The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz



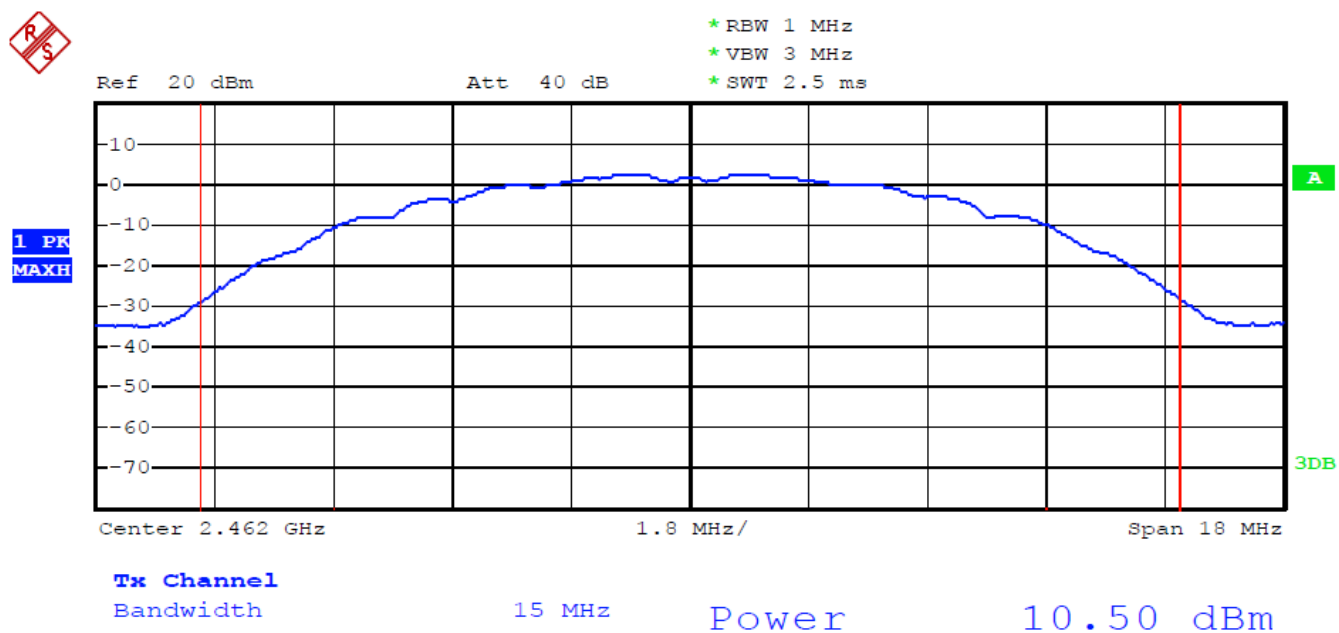
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11b Channel Middle 2437MHz



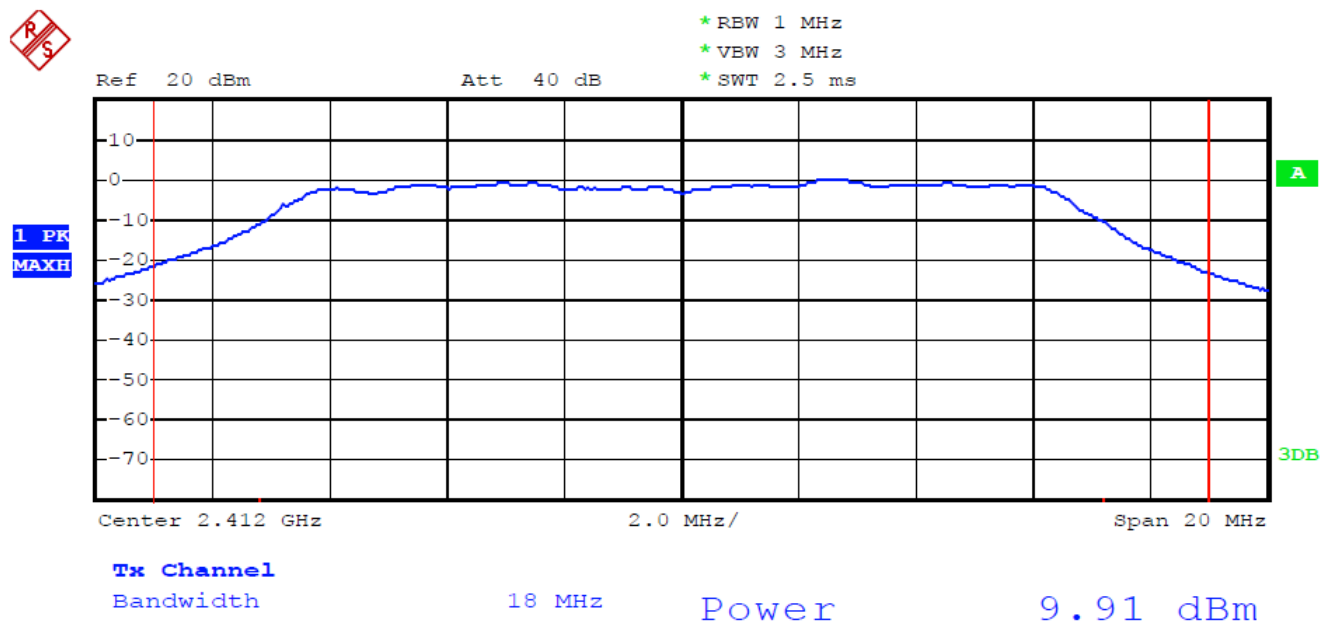
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11b Channel High 2462MHz



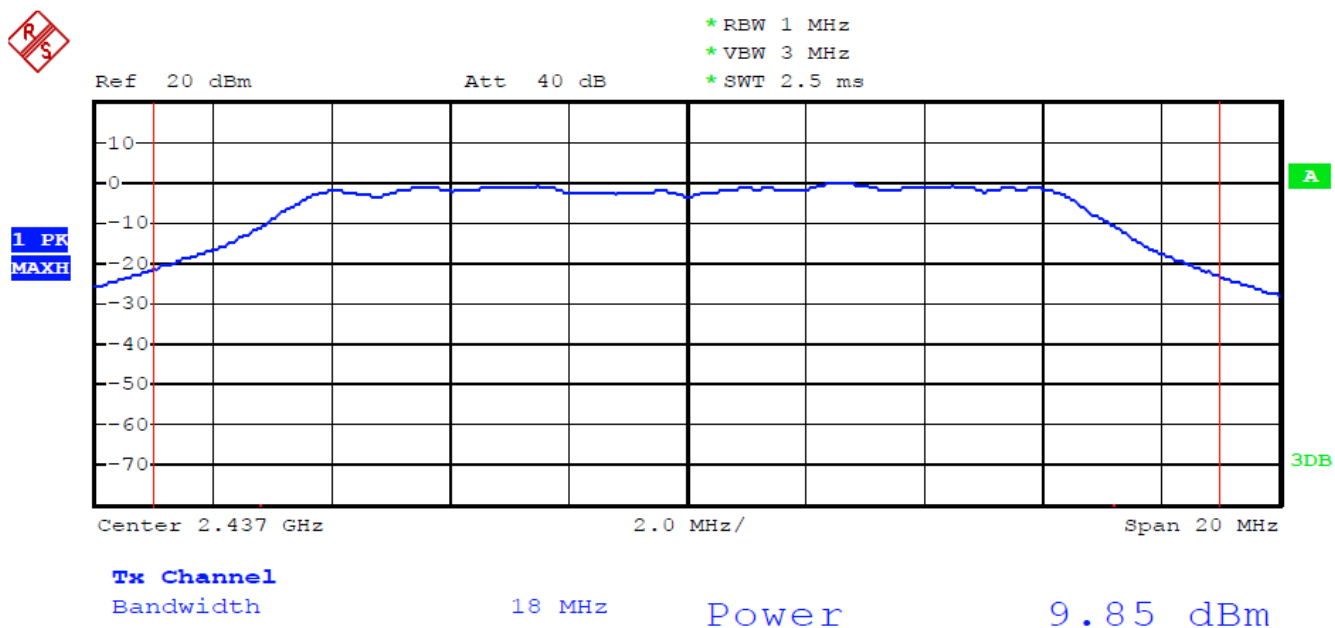
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11g Channel Low 2412MHz



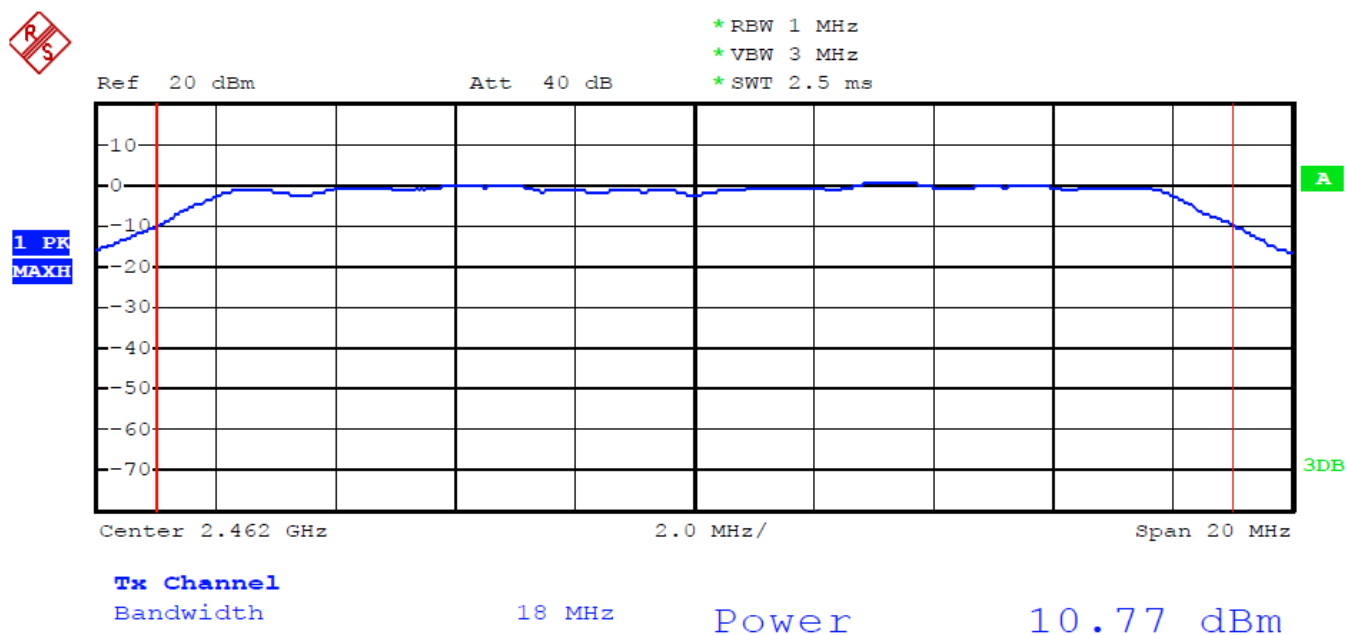
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11g Channel Middle 2437MHz



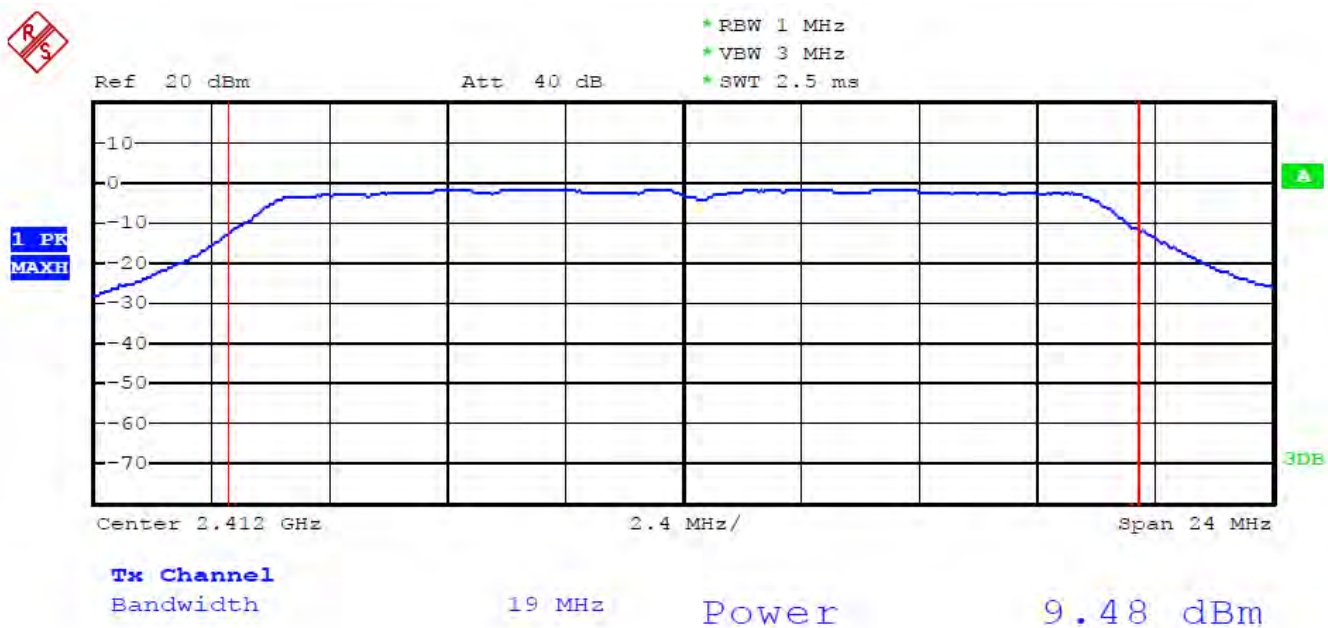
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11g Channel High 2462MHz



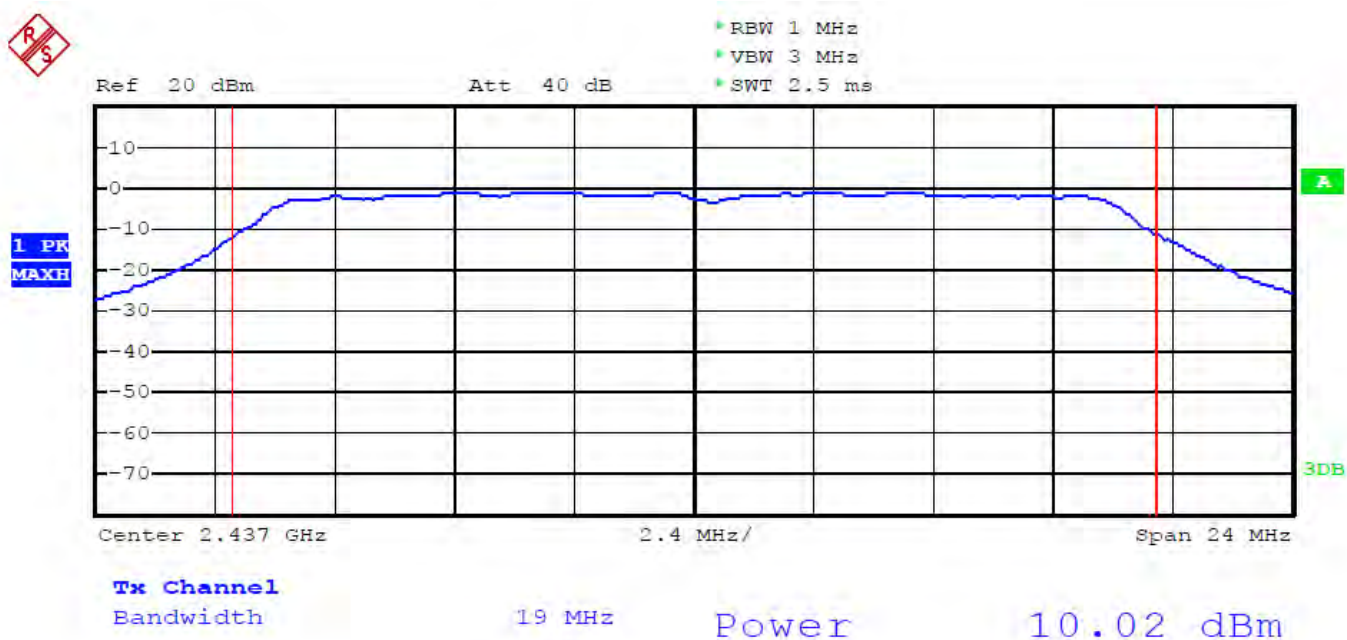
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11n Channel Low 2412MHz (20MHz)



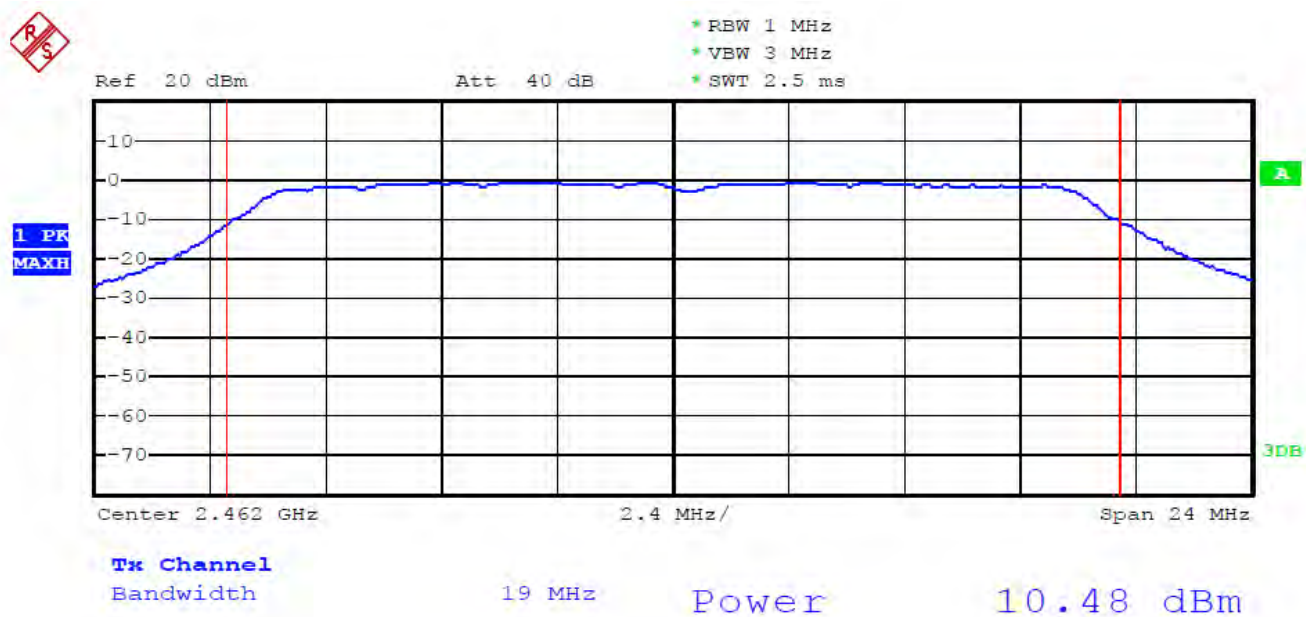
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11n Channel Middle 2437MHz (20MHz)



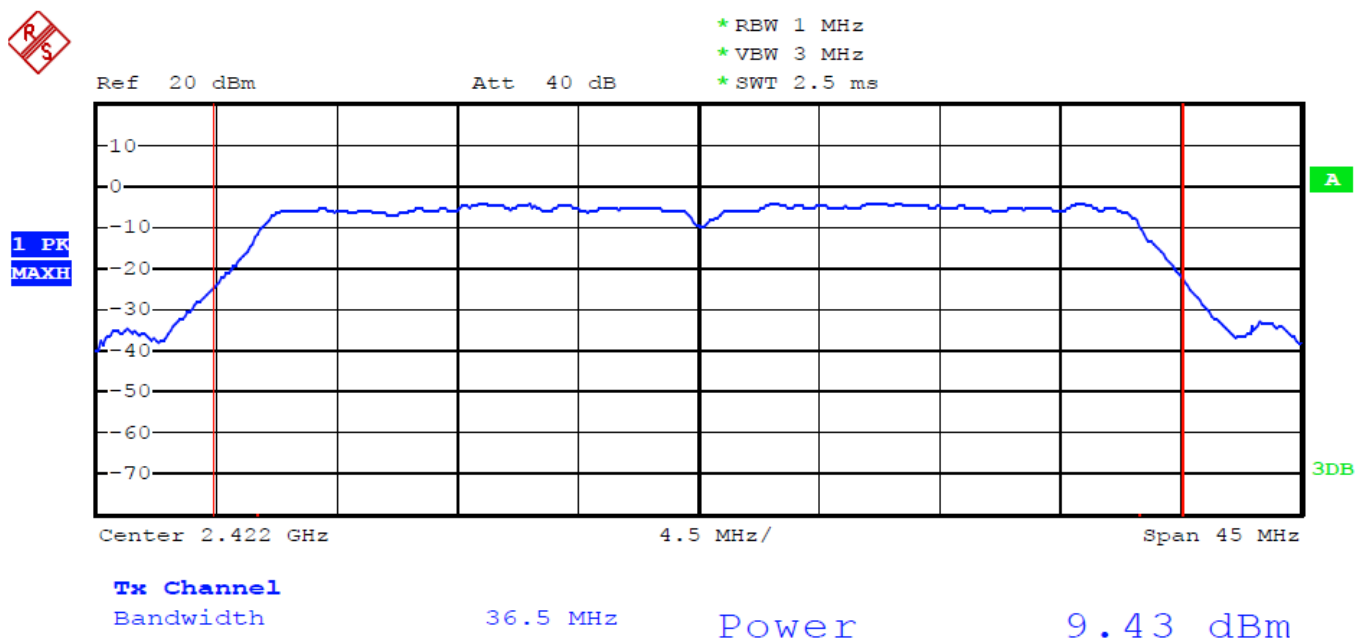
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11n Channel High 2462MHz (20MHz)



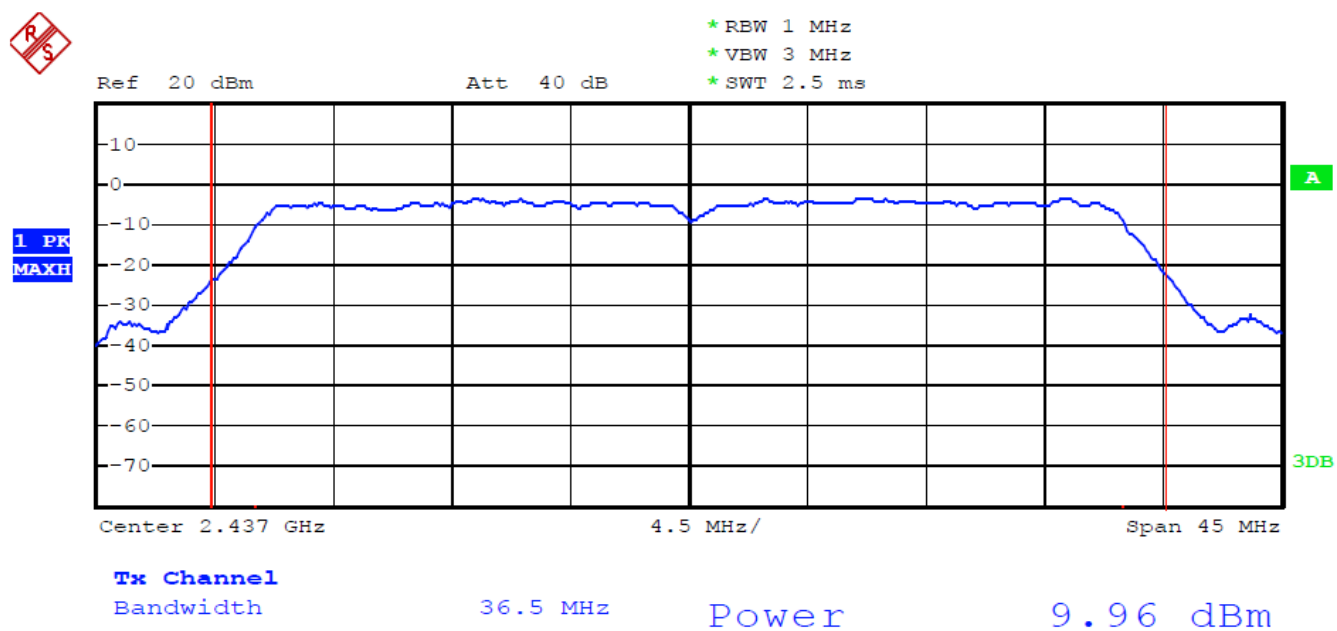
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11n Channel Low 2422MHz (40MHz)



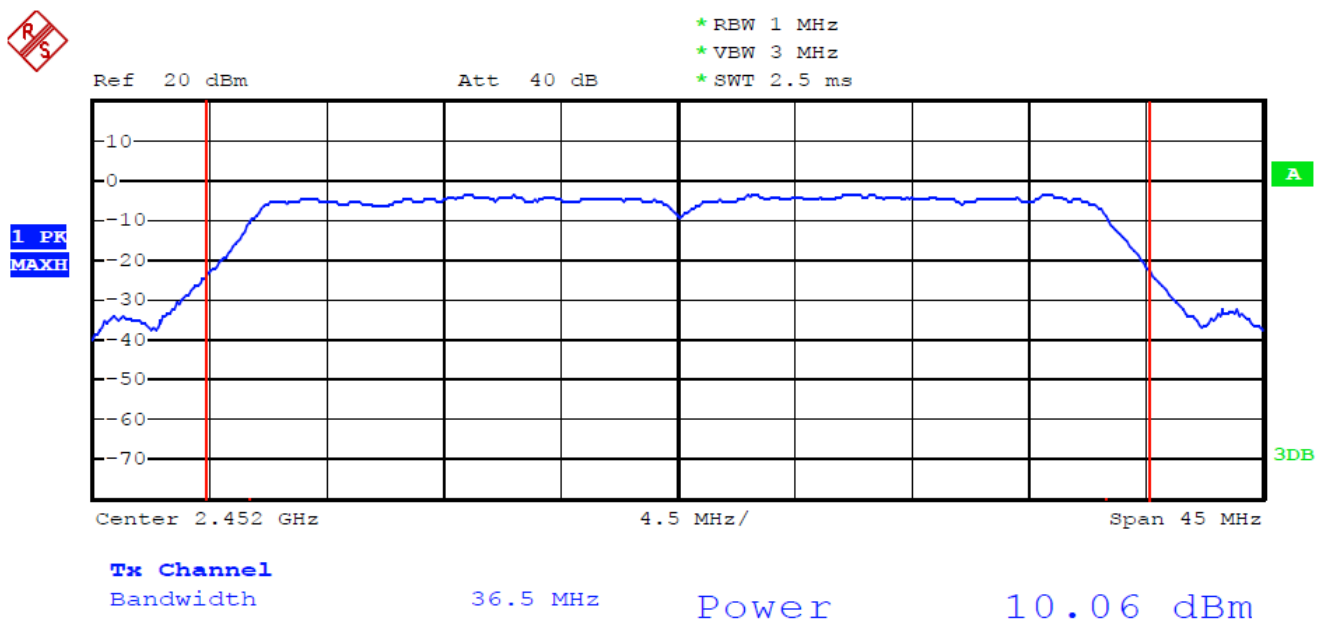
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11n Channel Middle 2437MHz (40MHz)



The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

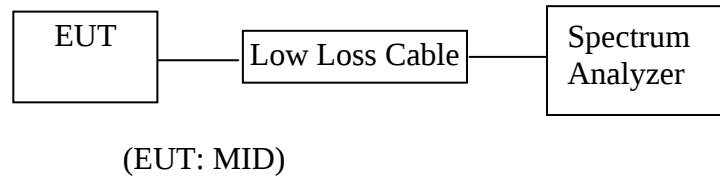
802.11n Channel High 2452MHz (40MHz)



The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

7. POWER SPECTRAL DENSITY MEASUREMENT

7.1. Block Diagram of Test Setup



7.2. The Requirement For Section 15.247(e)

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

7.3. EUT Configuration on Measurement

The 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. MID (EUT)

Model Number	:	TB782B
Serial Number	:	N/A
Manufacturer	:	Shenzhen BNB Digital Tech. 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 January 18, 2012 KDB558074 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:

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
2. Set the RBW = 100 kHz.
3. Set the VBW $\geq$ 300 kHz.
4. Set the span to 5-30 % greater than the EBW.
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 power level in any 100 kHz band segment within the fundamental EBW.
10. Scale the observed power level to an equivalent value in 3 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10\log(3 \text{ kHz}/100 \text{ kHz}) = -15.2 \text{ dB}$.
11. The resulting peak PSD level must be $\leq$ 8 dBm.

7.5.4. Measurement the maximum power spectral density.

7.6.Test Result

PASS.

Date of Test:	April 26, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	TB782B	Power Supply:	DC 3.7V
Test Mode:	TX	Test Engineer:	Pei

The test was performed with 802.11b

Channel	Frequency (MHz)	Power Spectral Density(dBm/100 kHz)	BWCF factor (100kHz to 3kHz)	Power Spectral Density(dBm/3 kHz)	Limits (dBm)
Low	2412	-16.28	-15.2	-31.48	8 dBm
Middle	2437	-15.91	-15.2	-31.11	8 dBm
High	2462	-15.18	-15.2	-30.38	8 dBm

The test was performed with 802.11g

Channel	Frequency (MHz)	Power Spectral Density(dBm/100 kHz)	BWCF factor (100kHz to 3kHz)	Power Spectral Density(dBm/3 kHz)	Limits (dBm)
Low	2412	-27.65	-15.2	-42.85	8 dBm
Middle	2437	-18.37	-15.2	-33.57	8 dBm
High	2462	-15.93	-15.2	-31.13	8 dBm

The test was performed with 802.11n (20MHz)

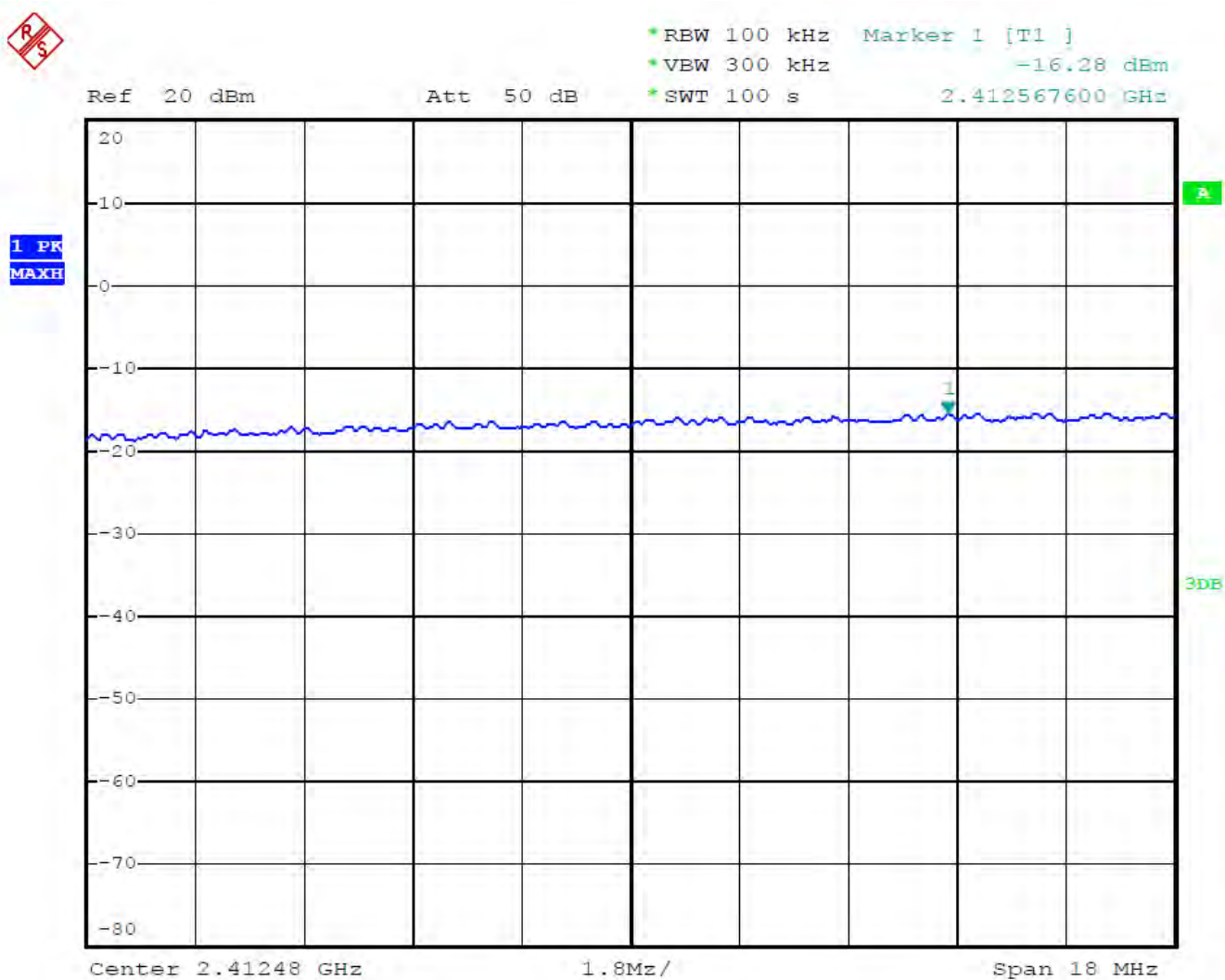
Channel	Frequency (MHz)	Power Spectral Density(dBm/100 kHz)	BWCF factor (100kHz to 3kHz)	Power Spectral Density(dBm/3 kHz)	Limits (dBm)
Low	2412	-24.93	-15.2	-40.13	8 dBm
Middle	2437	-17.53	-15.2	-32.73	8 dBm
High	2462	-18.10	-15.2	-33.30	8 dBm

The test was performed with 802.11n (40MHz)

Channel	Frequency (MHz)	Power Spectral Density(dBm/100 kHz)	BWCF factor (100kHz to 3kHz)	Power Spectral Density(dBm/3 kHz)	Limits (dBm)
Low	2422	-21.16	-15.2	-36.36	8 dBm
Middle	2437	-22.68	-15.2	-37.88	8 dBm
High	2452	-19.08	-15.2	-34.28	8 dBm

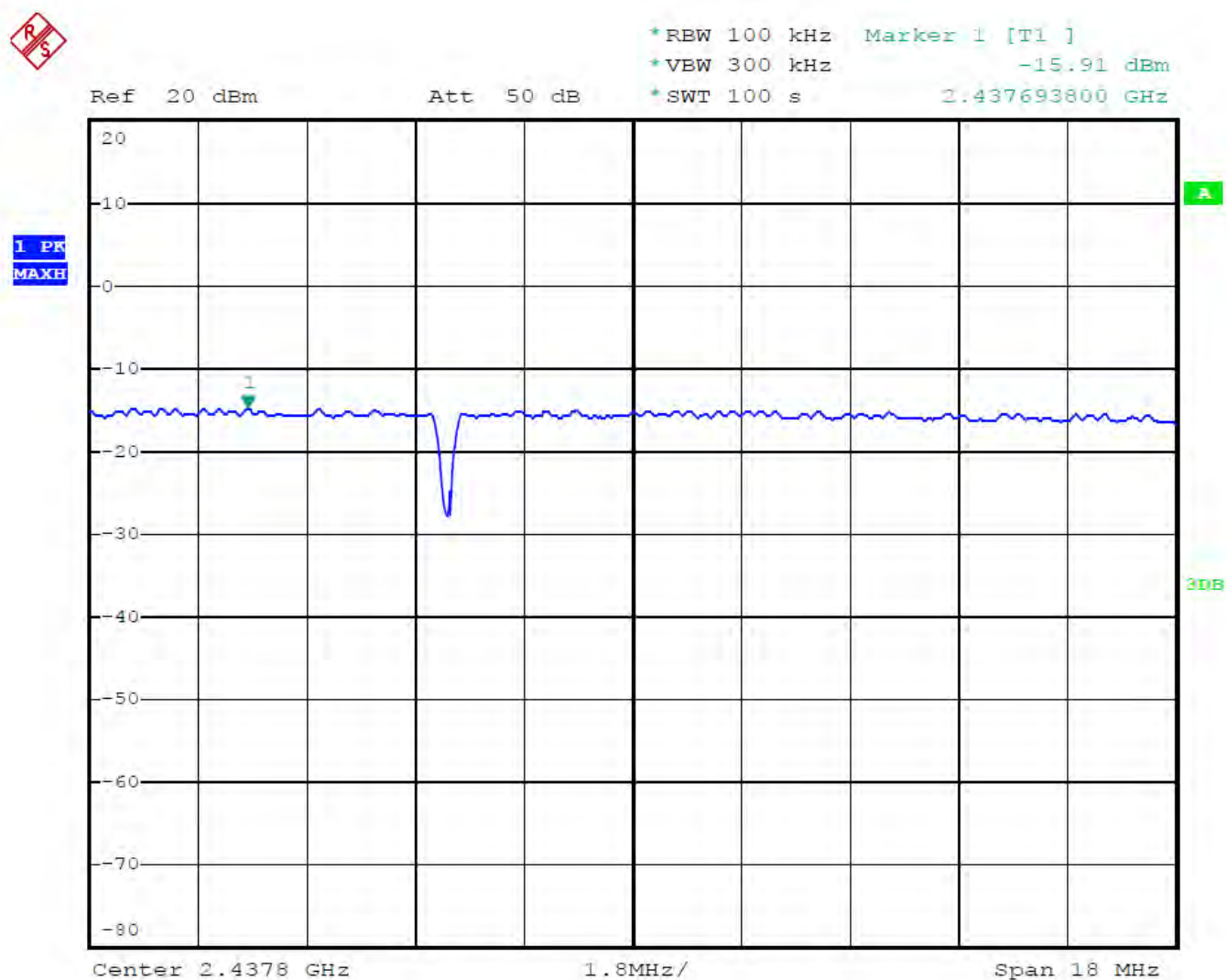
The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz



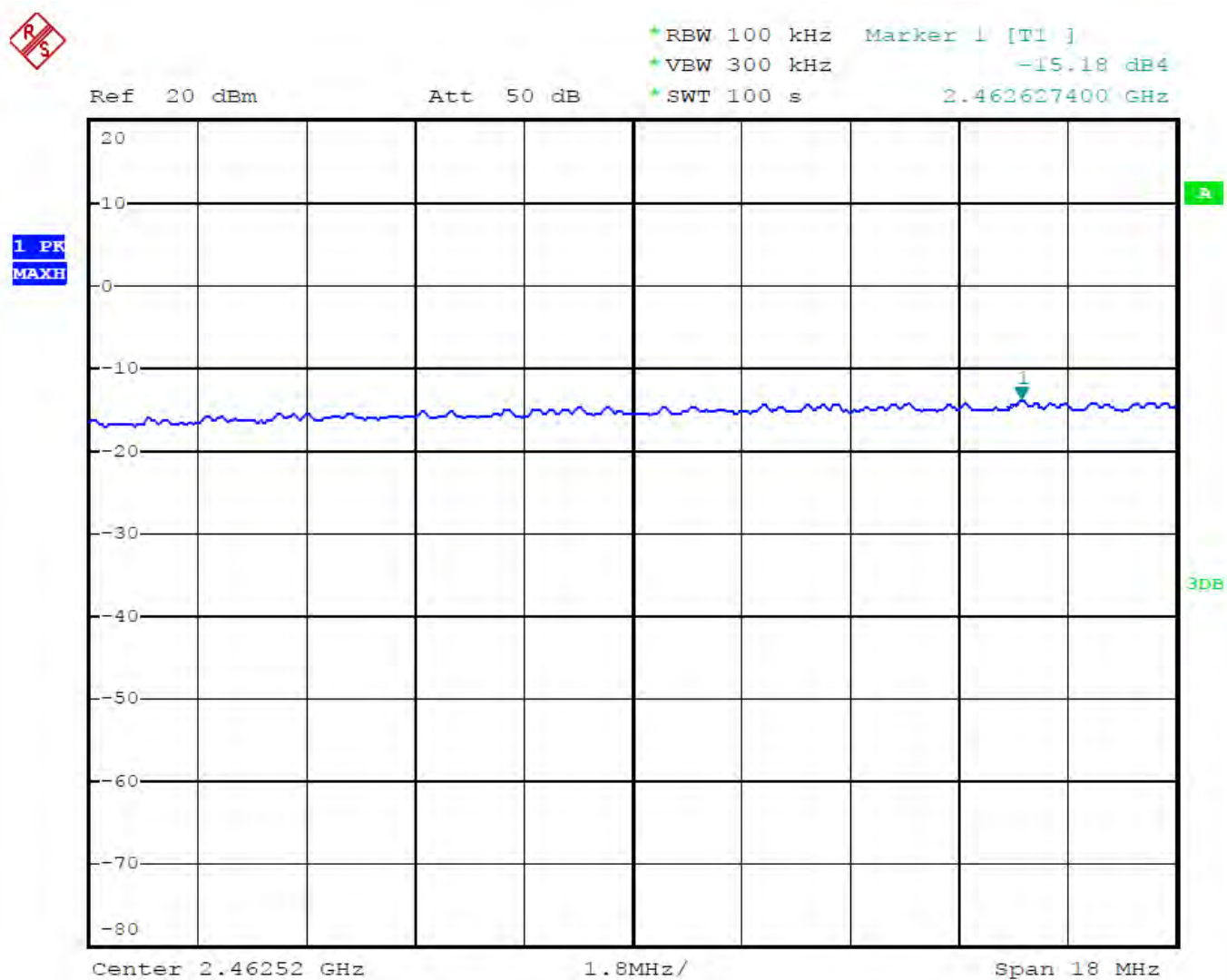
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11b Channel Middle 2437MHz



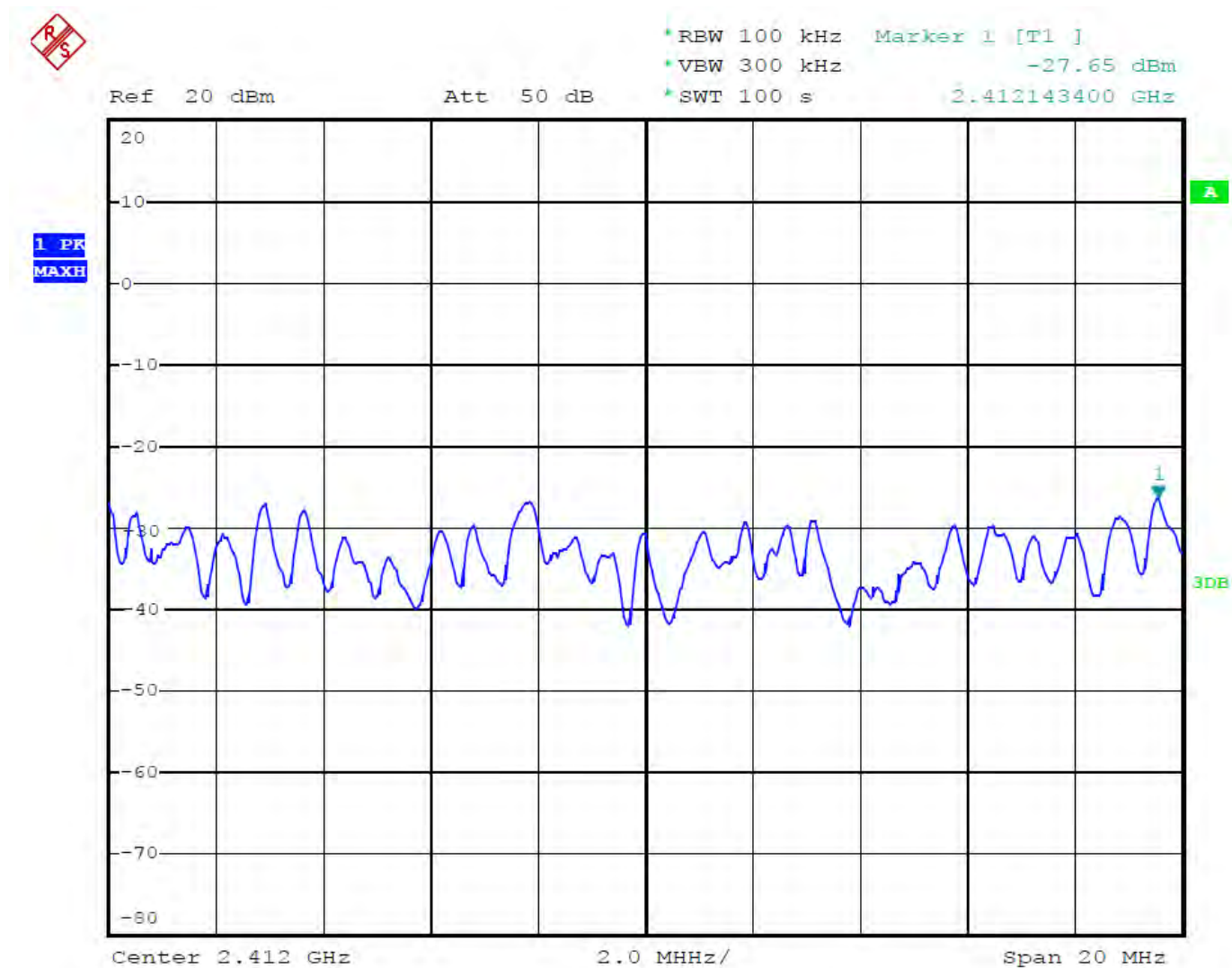
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11b Channel High 2462MHz



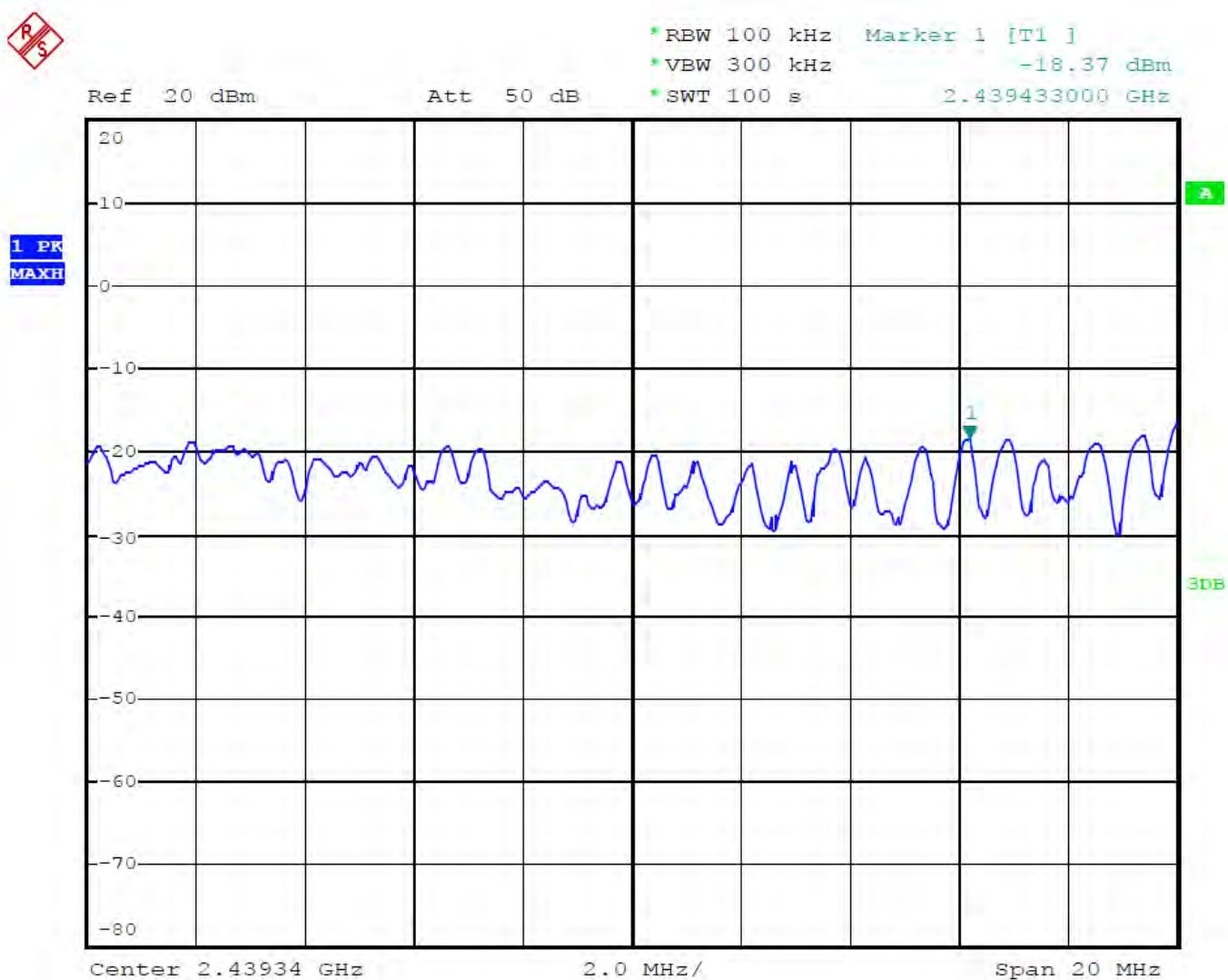
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11g Channel Low 2412MHz



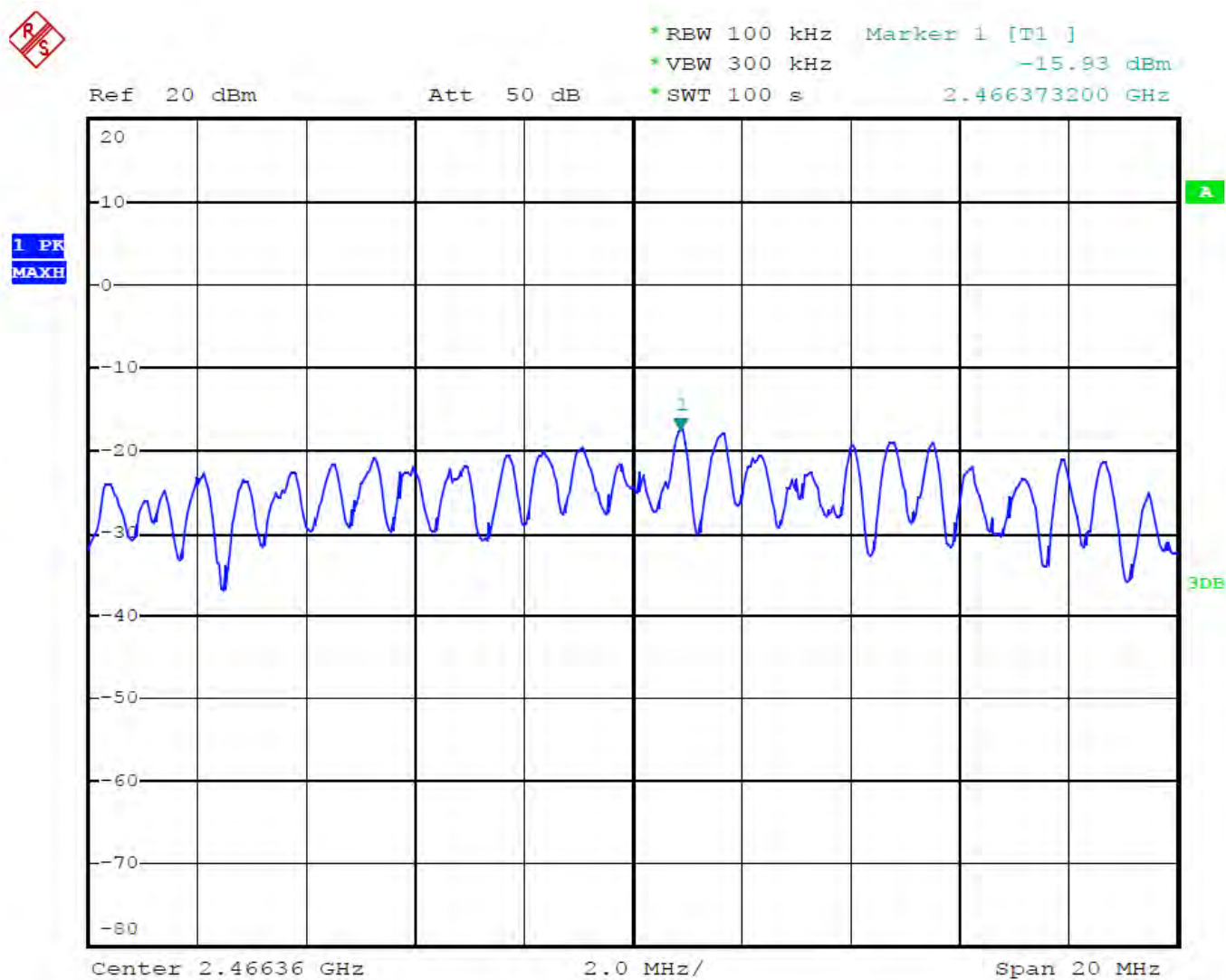
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11g Channel Middle 2437MHz



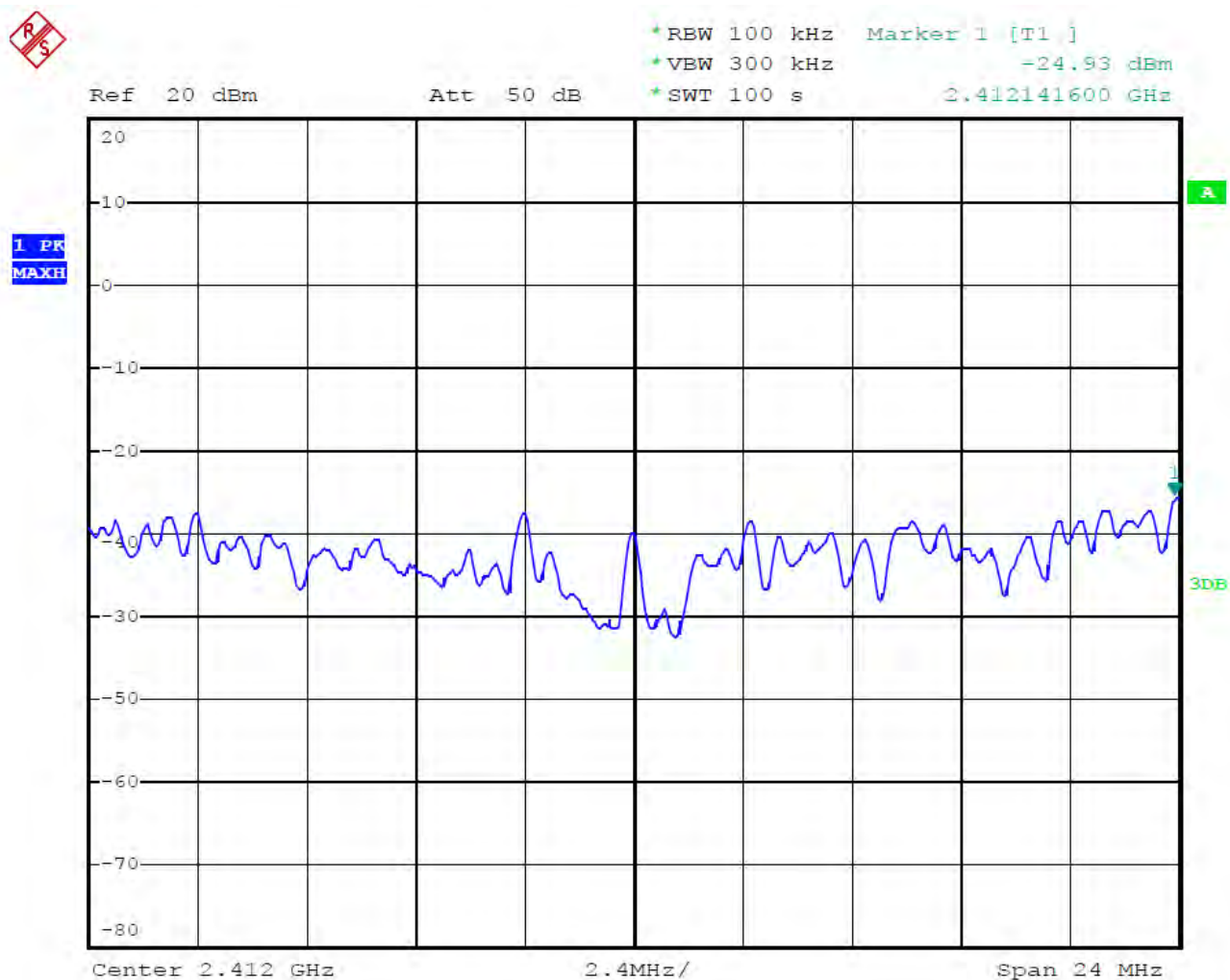
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11g Channel High 2462MHz



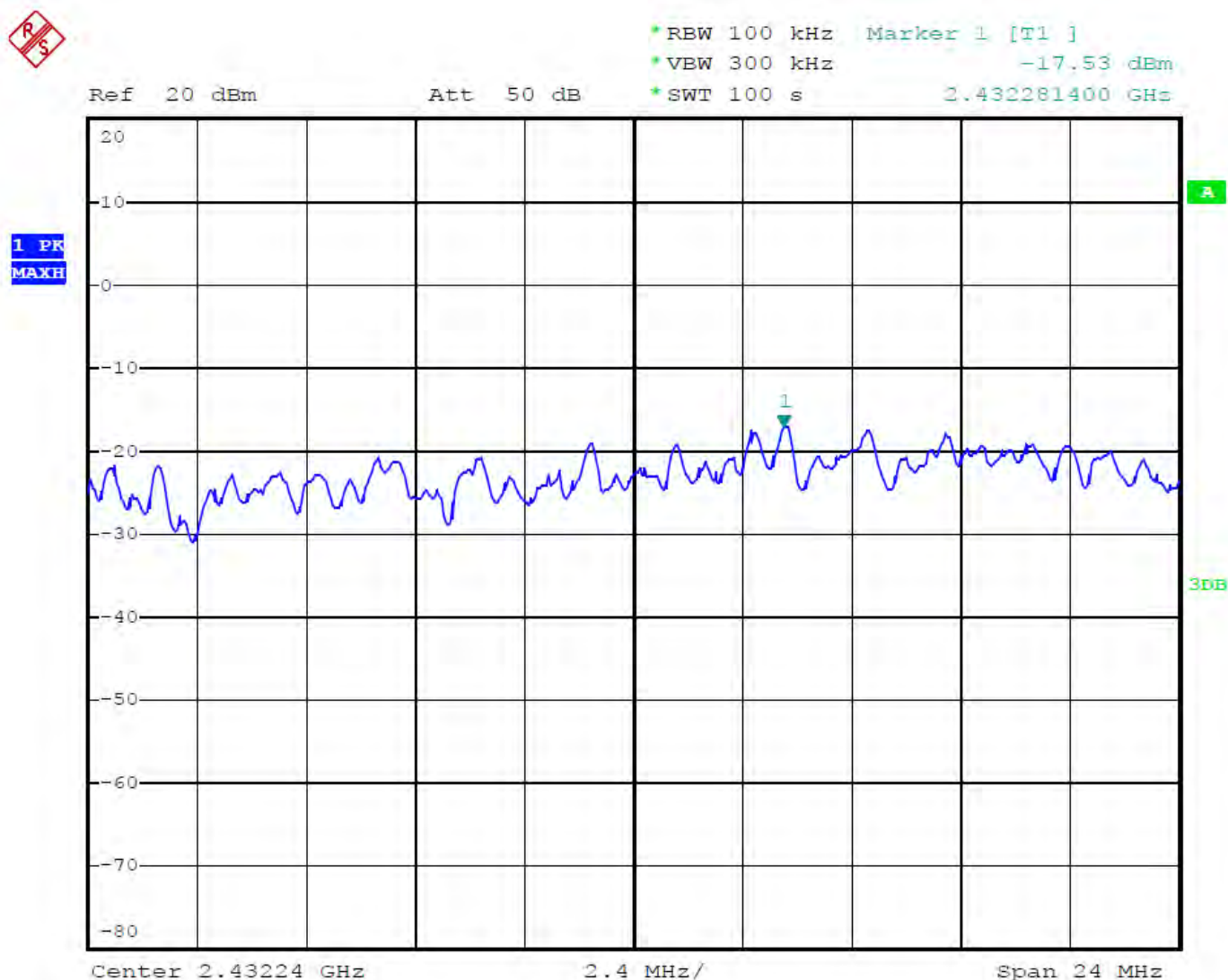
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11n Channel Low 2412MHz (20MHz)



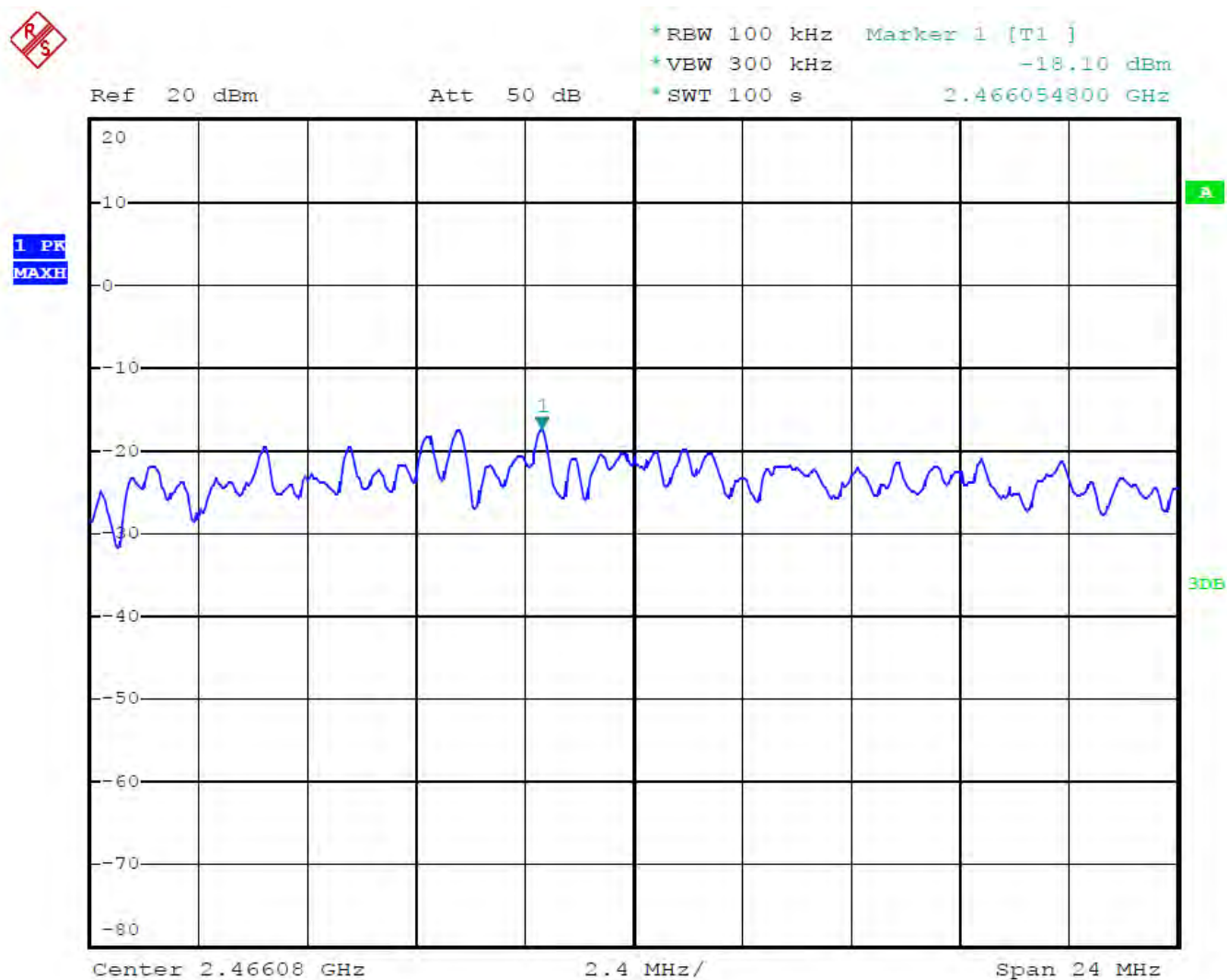
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11n Channel Middle 2437MHz(20MHz)



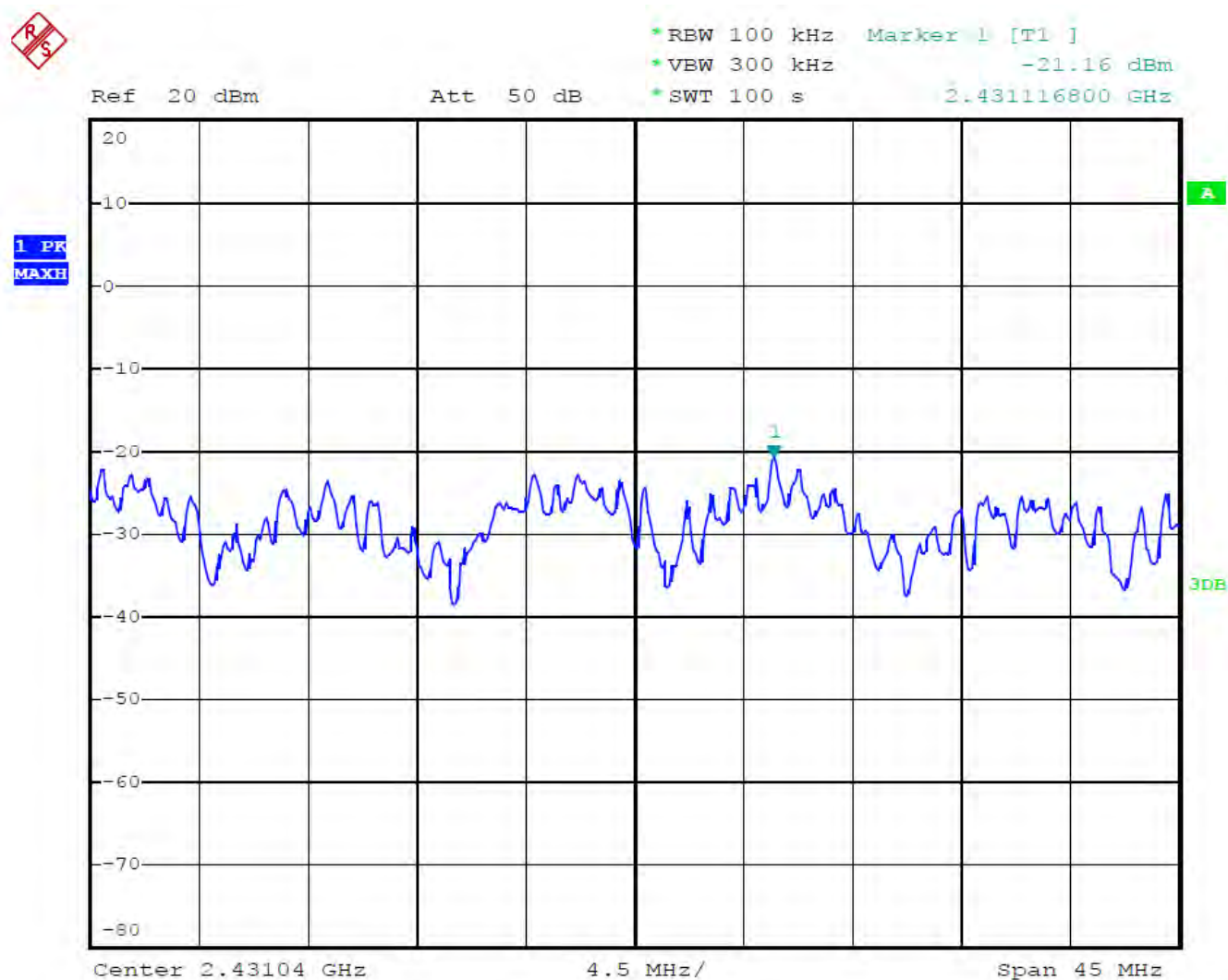
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11n Channel High 2462MHz(20MHz)



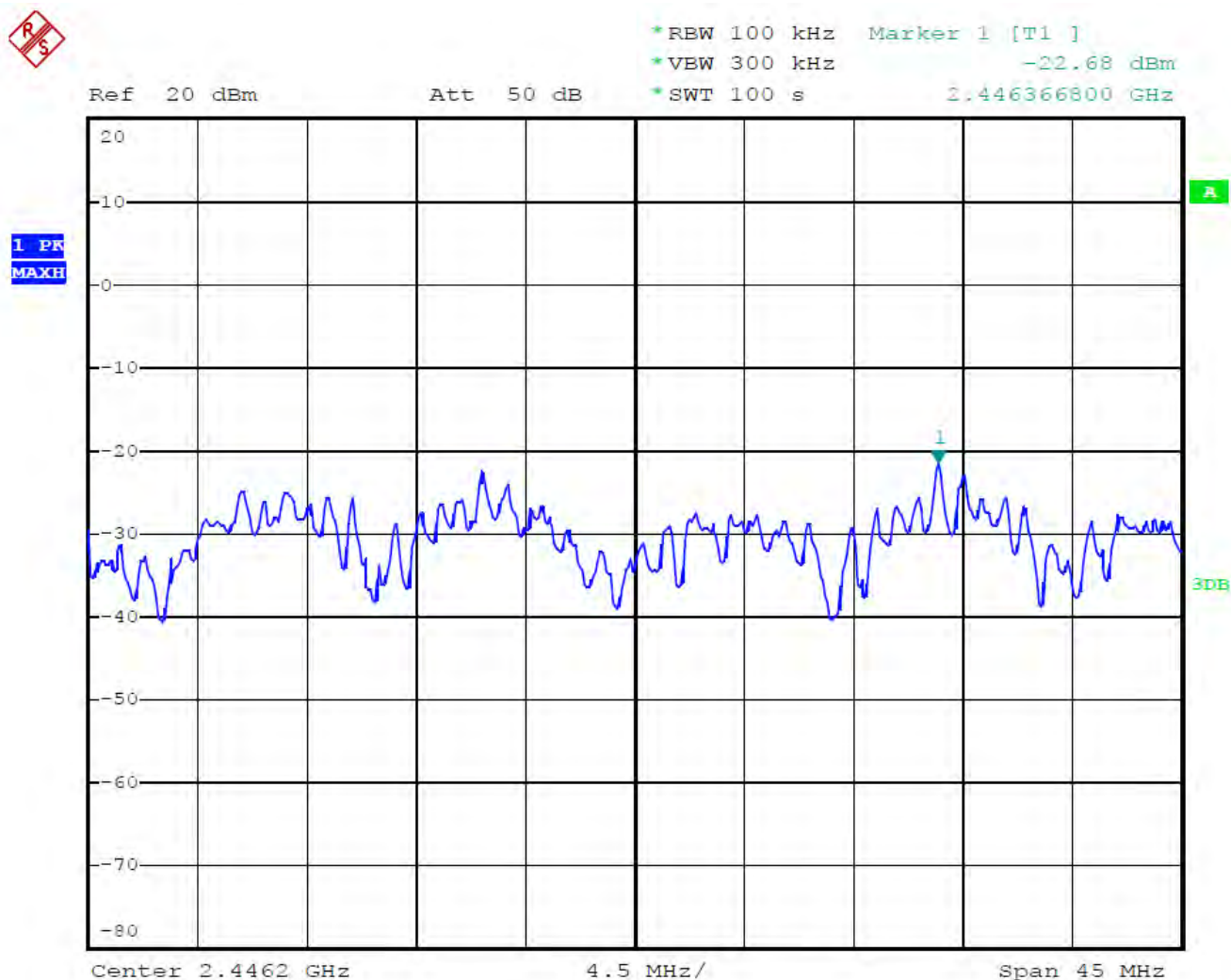
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11n Channel Low 2422MHz (40MHz)



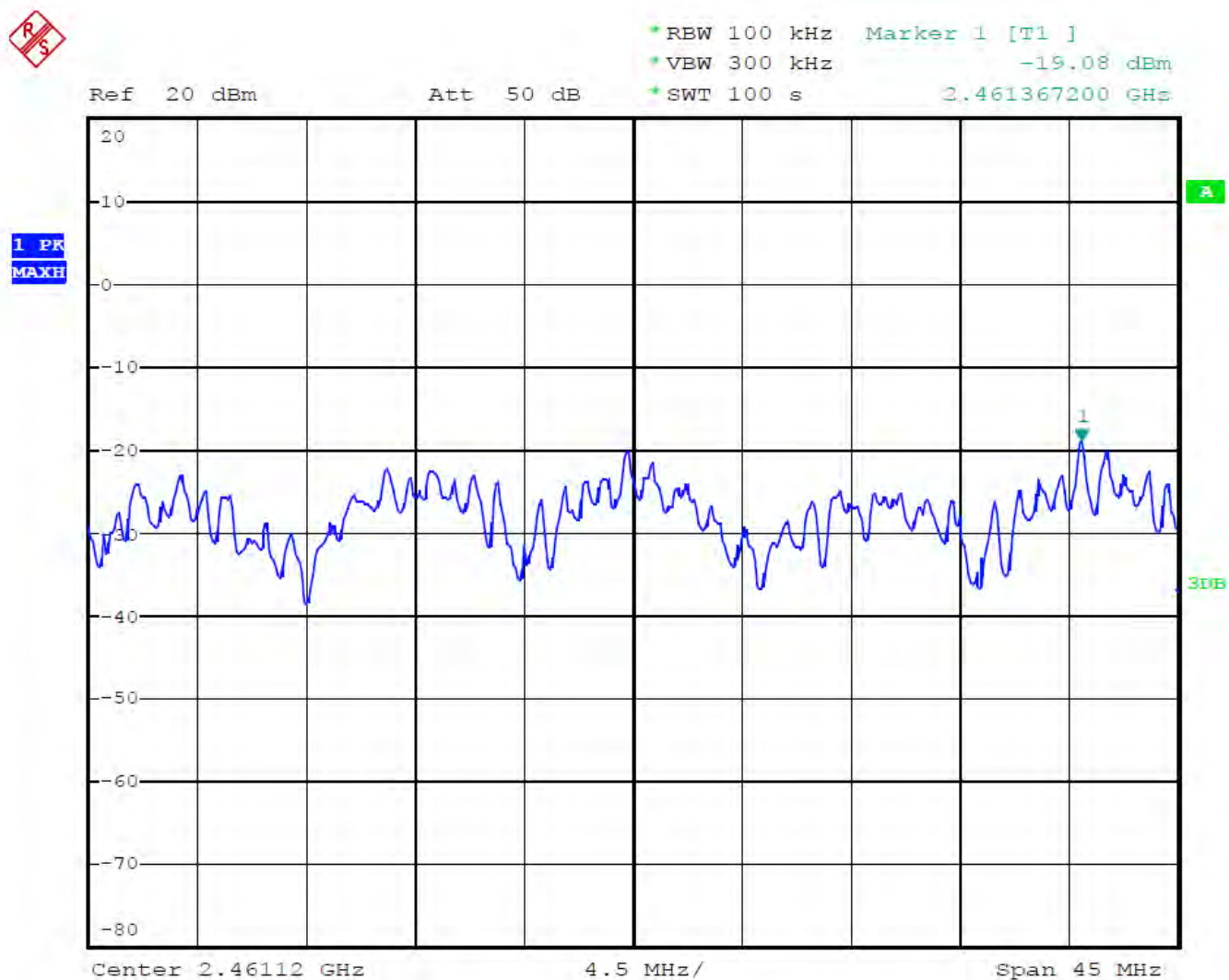
The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

802.11n Channel Middle 2437MHz(40MHz)



The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

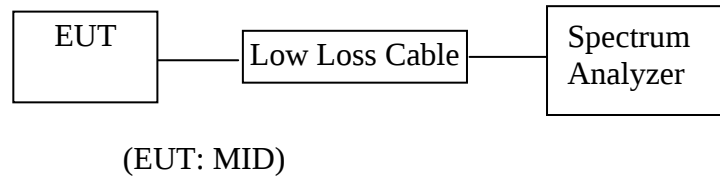
802.11n Channel High 2452MHz(40MHz)



The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

8. BAND EDGE COMPLIANCE TEST

8.1. Block Diagram of Test Setup



8.2. The Requirement For Section 15.247(d)

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

8.3. EUT Configuration on Measurement

The 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. MID (EUT)

Model Number	:	TB782B
Serial Number	:	N/A
Manufacturer	:	Shenzhen BNB Digital Tech. 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

The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

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:	April 26, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	TB782B	Power Supply:	DC 3.7V
Test Mode:	TX	Test Engineer:	Pei

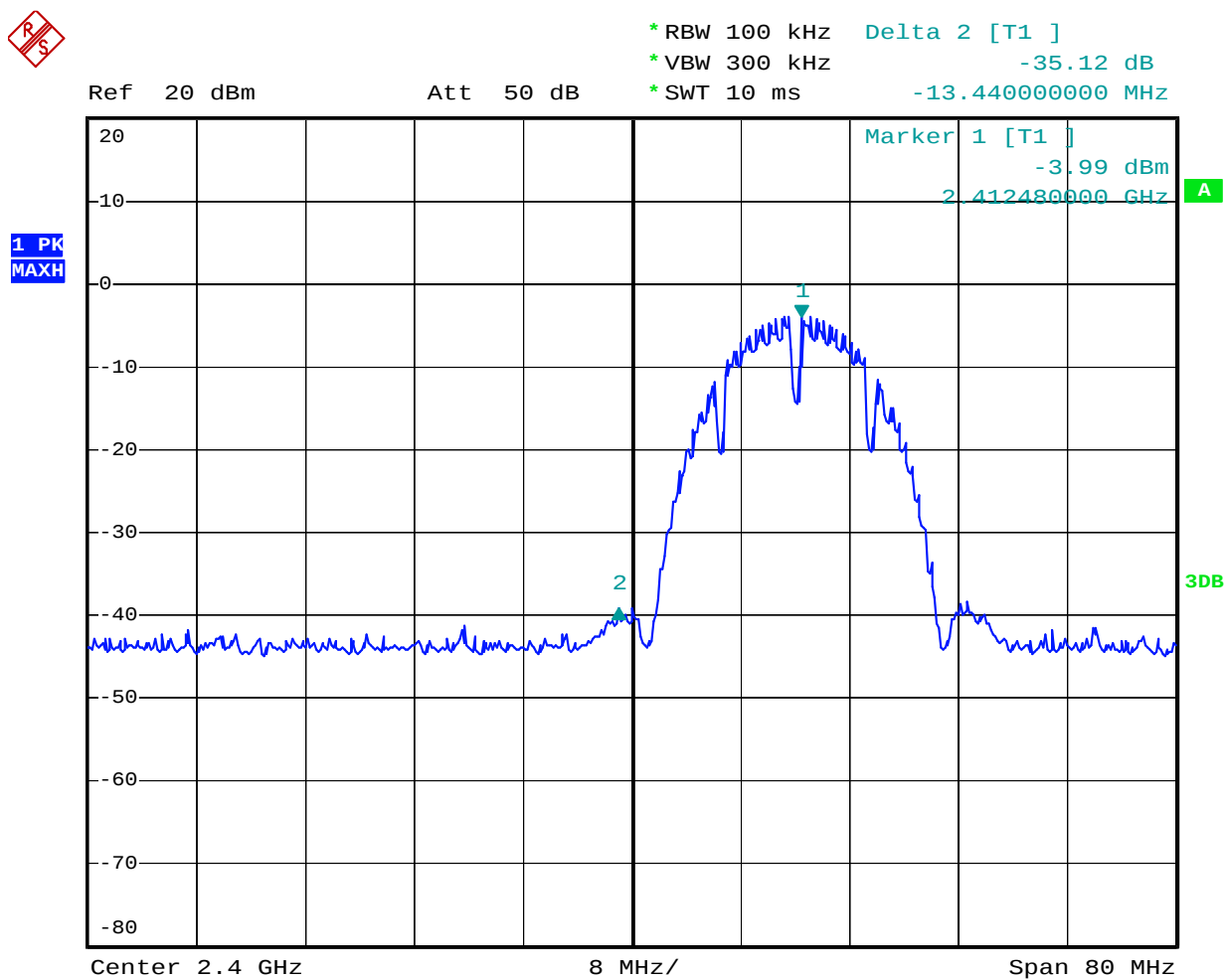
The test was performed with 802.11b		
Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	35.12	> 20dBc
2462	38.99	> 20dBc

The test was performed with 802.11g		
Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	28.58	> 20dBc
2462	32.66	> 20dBc

The test was performed with 802.11n (20MHz)		
Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	30.09	> 20dBc
2462	31.72	> 20dBc

The test was performed with 802.11n (40MHz)		
Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2422	26.57	> 20dBc
2452	28.75	> 20dBc

802.11b Channel Low 2412MHz



Date: 26.APR.2012 20:14:56

802.11b Channel High 2462MHz

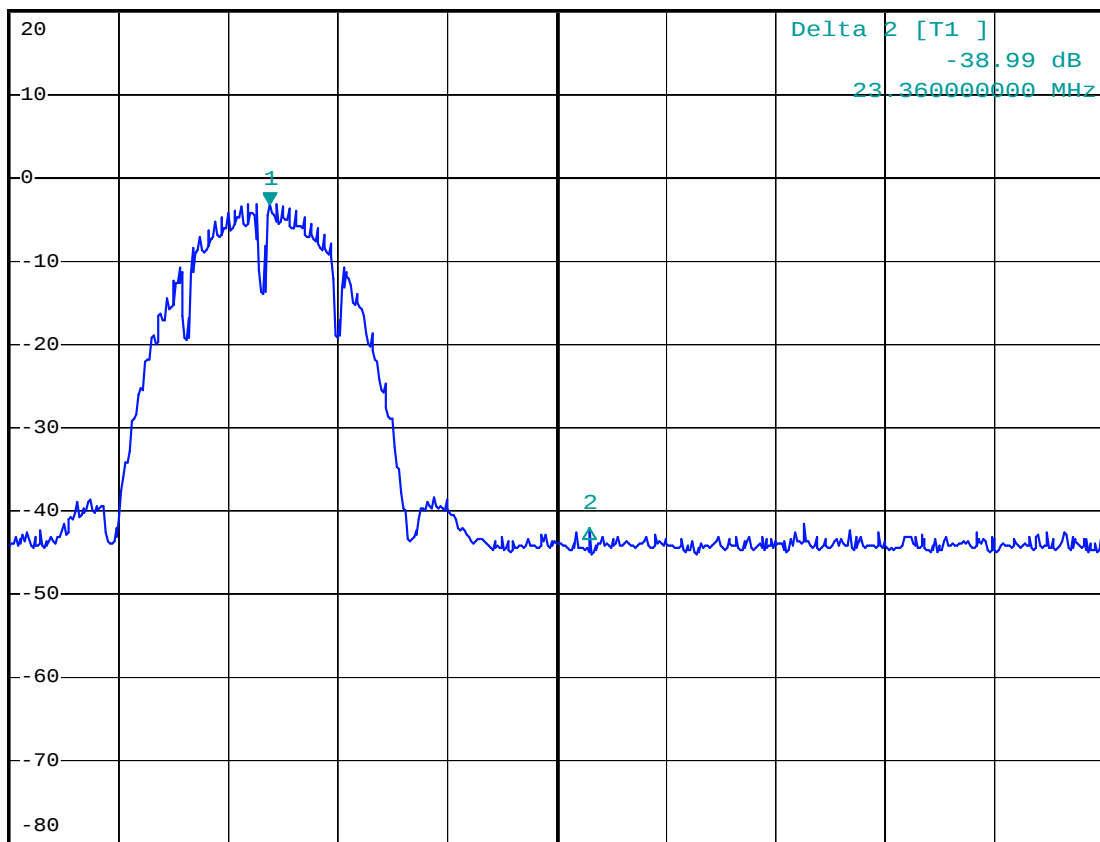


* RBW 100 kHz Marker 1 [T1]
 * VBW 300 kHz -3.13 dBm
 * SWT 10 ms 2.462540000 GHz

Ref 20 dBm

Att 50 dB

1 PK
MAXH



Center 2.4835 GHz

8 MHz/

Span 80 MHz

Date: 26.APR.2012 20:11:04

802.11g Channel Low 2412MHz

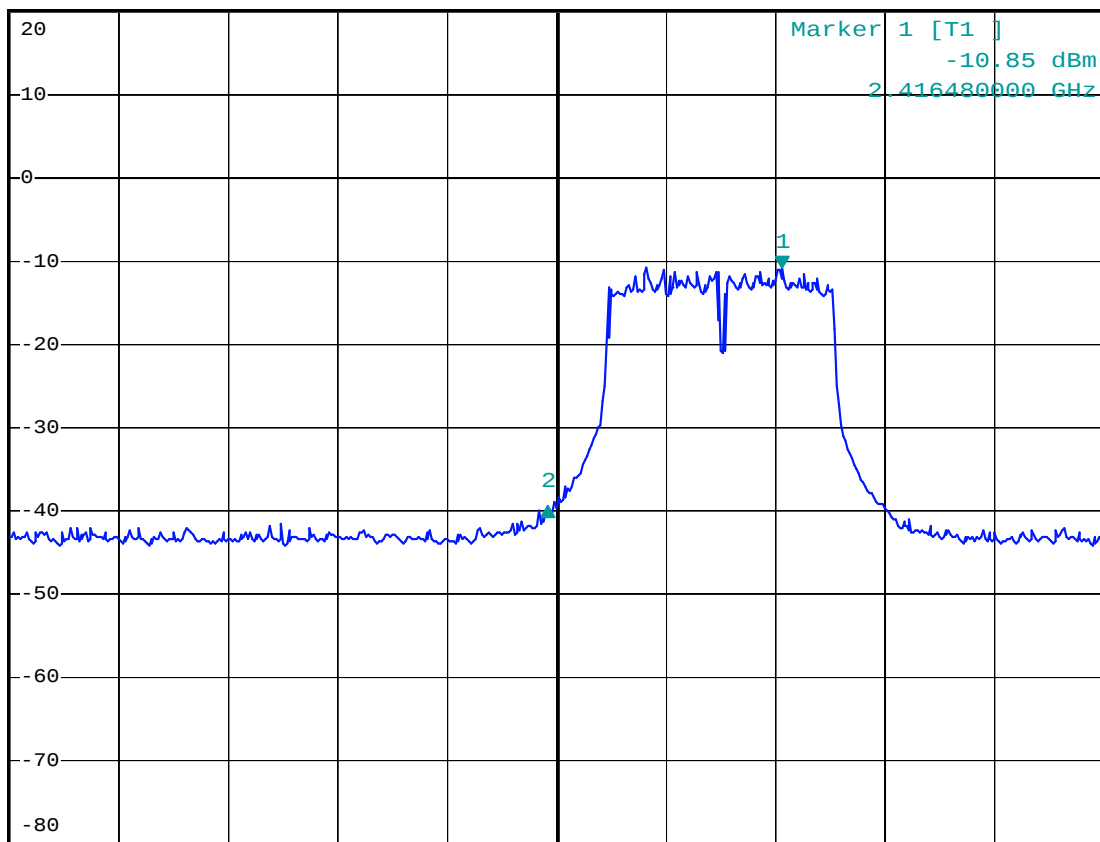


* RBW 100 kHz Delta 2 [T1]
 * VBW 300 kHz -28.58 dB
 * SWT 10 ms -17.120000000 MHz

Ref 20 dBm

Att 50 dB

1 PK
MAXH



Center 2.4 GHz

8 MHz/

Span 80 MHz

Date: 26.APR.2012 20:02:15

802.11g Channel High 2462MHz

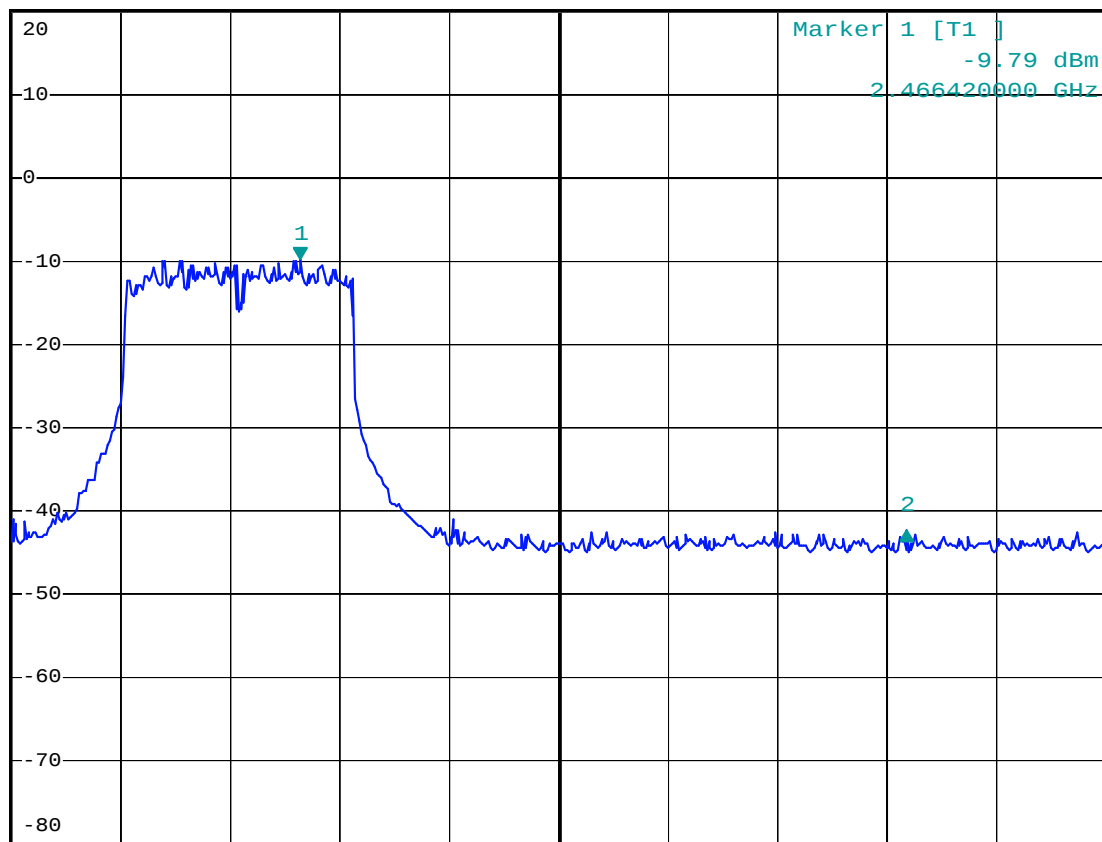


* RBW 100 kHz Delta 2 [T1]
 * VBW 300 kHz -32.66 dB
 * SWT 10 ms 44.320000000 MHz

Ref 20 dBm

Att 50 dB

1 PK
MAXH



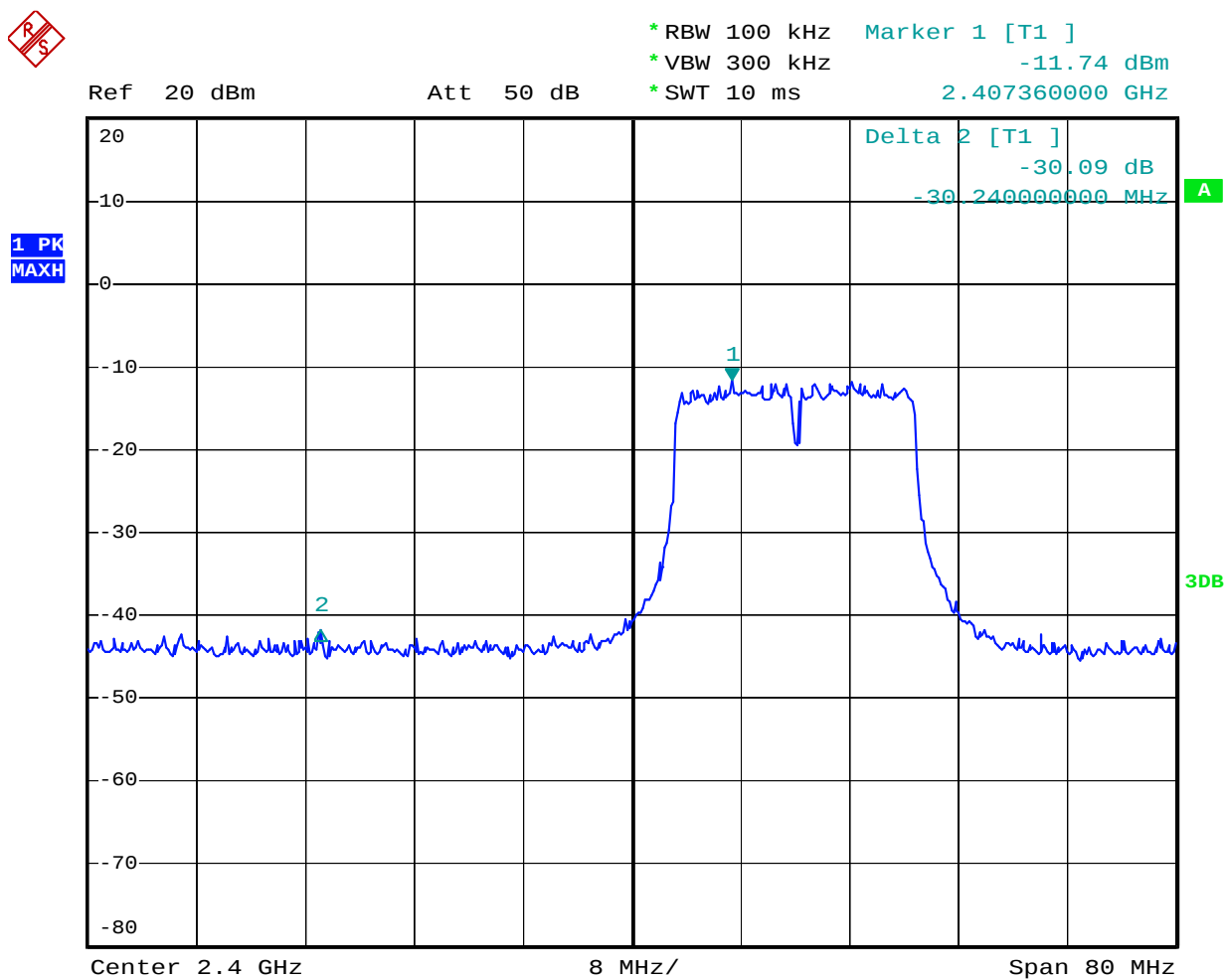
Center 2.4853 GHz

8 MHz/

Span 80 MHz

Date: 26.APR.2012 20:53:47

802.11n Channel Low 2412MHz (20MHz)



Date: 26.APR.2012 21:17:13

802.11n Channel High 2462MHz (20MHz)

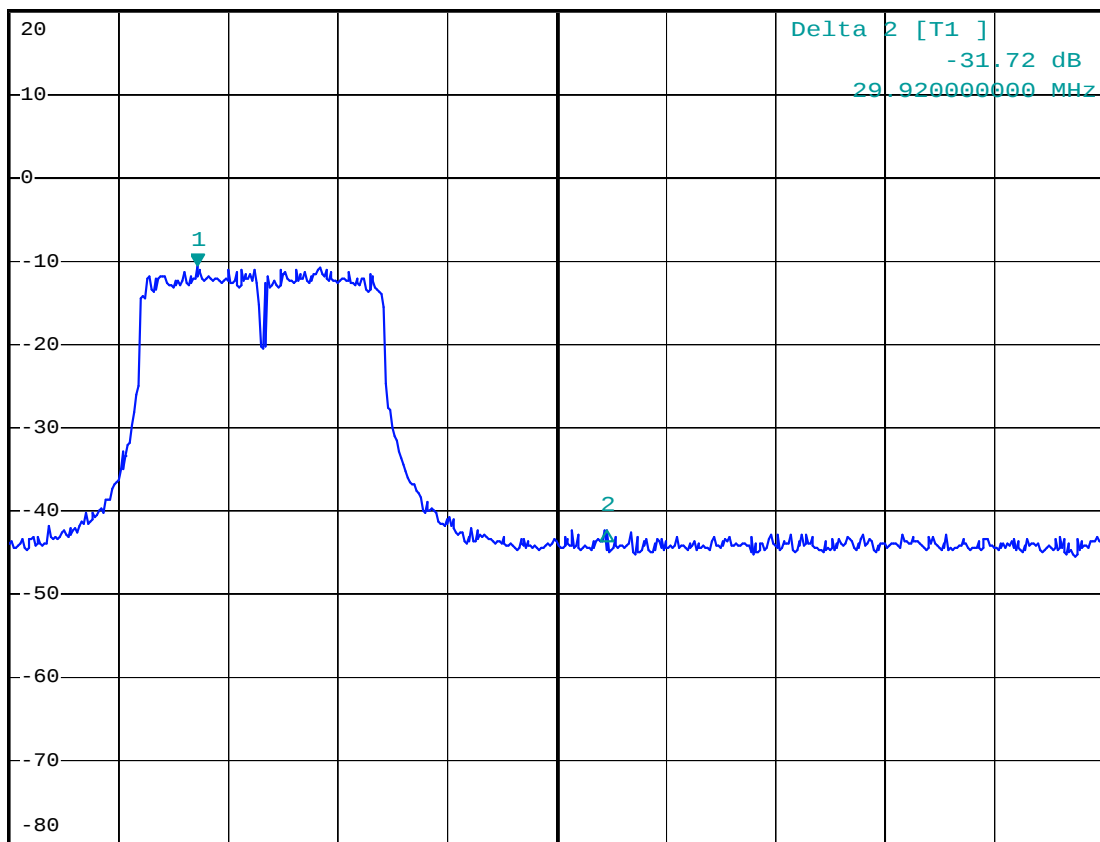


* RBW 100 kHz Marker 1 [T1]
 * VBW 300 kHz -10.70 dBm
 * SWT 10 ms 2.457260000 GHz

Ref 20 dBm

Att 50 dB

1 PK
MAXH



Center 2.4835 GHz

8 MHz/

Span 80 MHz

Date: 26.APR.2012 21:43:05

802.11n Channel Low 2422MHz (40MHz)

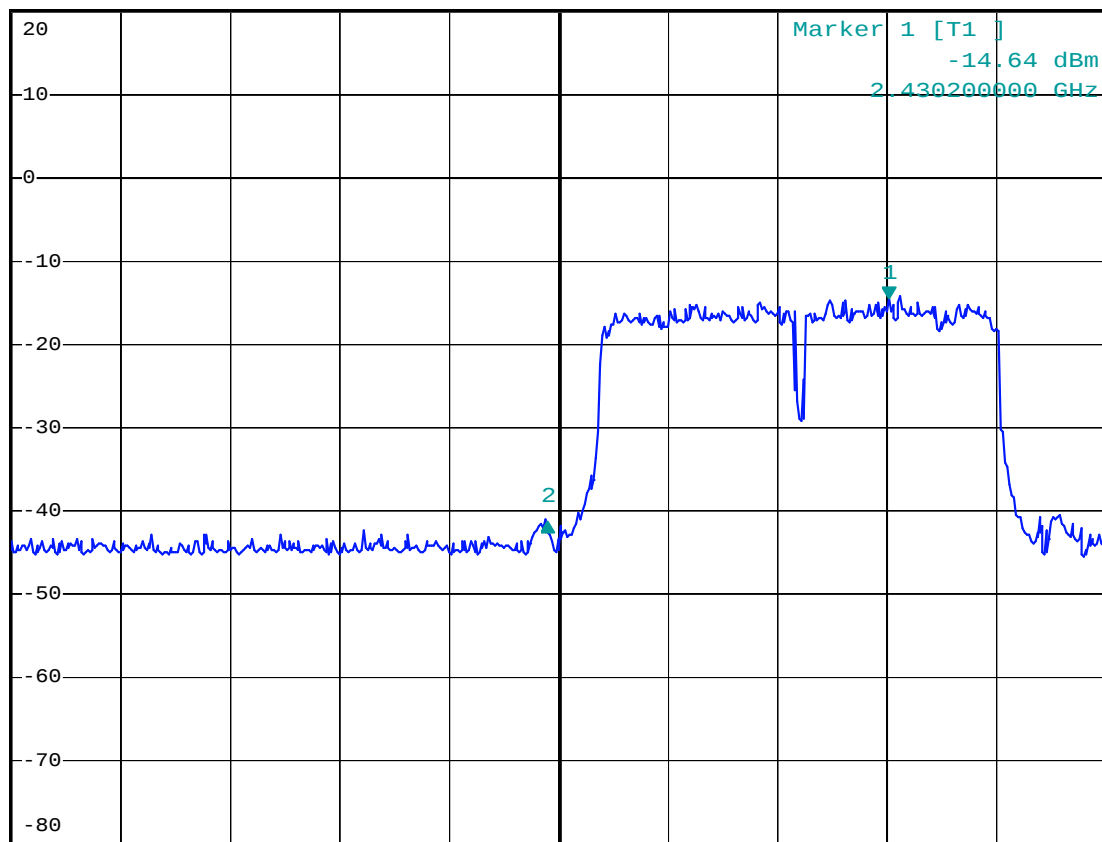


* RBW 100 kHz Delta 2 [T1]
 * VBW 300 kHz -26.57 dB
 * SWT 10 ms -31.200000000 MHz

Ref 20 dBm

Att 50 dB

1 PK
MAXH



Center 2.4 GHz

10 MHz/

Span 100 MHz

Date: 26.APR.2012 21:57:32

802.11n Channel High 2452MHz (40MHz)

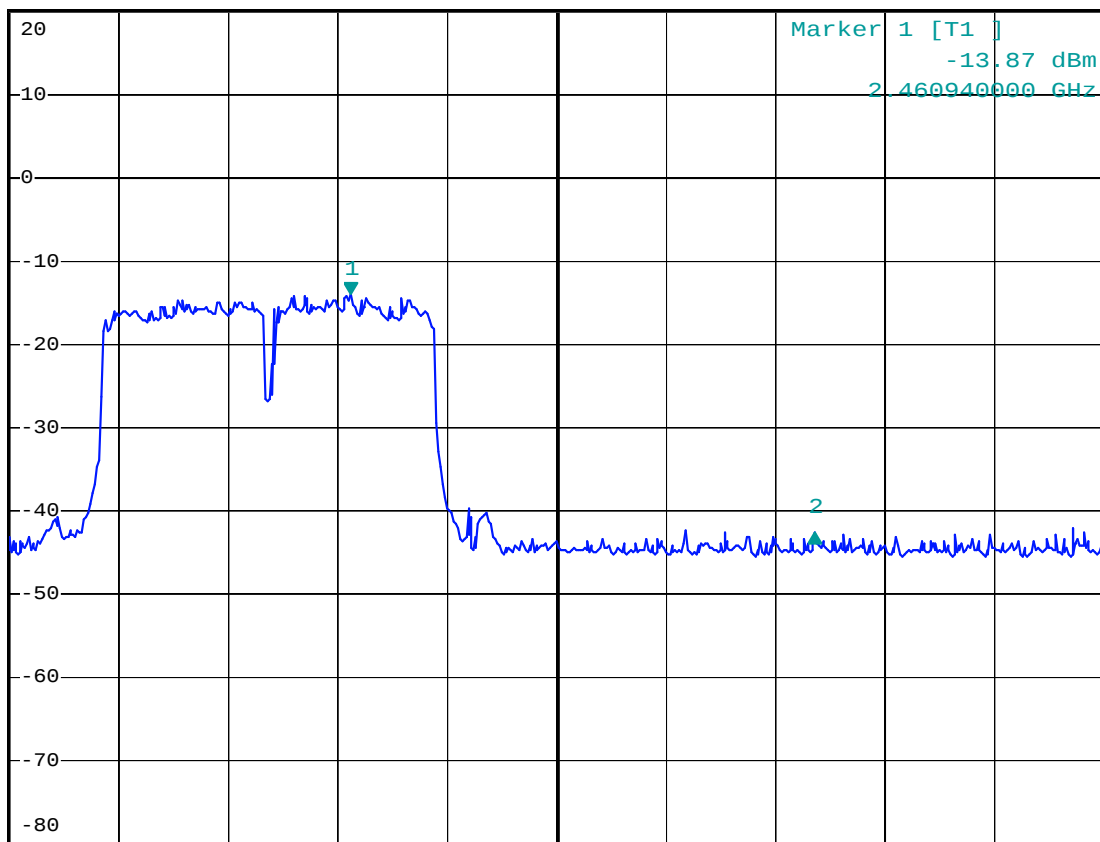


* RBW 100 kHz Delta 2 [T1]
 * VBW 300 kHz -28.75 dB
 * SWT 15 ms 50.880000000 MHz

Ref 20 dBm

Att 50 dB

1 PK
MAXH



Center 2.4835 GHz

12 MHz/

Span 120 MHz

3DB

Date: 26.APR.2012 22:50:59

Radiated Band Edge Result

Date of Test:	<u>May 3, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>TB782B</u>	Power Supply:	<u>DC 3.7V</u>
Test Mode:	<u>802.11b Channel Low 2412MHz</u>	Test Engineer:	<u>Pei</u>

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	
2399.390	57.35	59.71	-7.46	49.89	52.25	54	74	-4.11	-21.75	Vertical
2399.290	56.48	59.11	-7.46	49.02	51.65	54	74	-4.98	-22.35	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: May 3, 2012

Temperature: 25°C

EUT: MID

Humidity: 50%

Model No.: TB782B

Power Supply: DC 3.7V

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	
2487.825	45.14	49.27	-7.38	37.76	41.89	54	74	-16.24	-32.11	Vertical
2487.825	44.05	47.78	-7.38	36.67	40.40	54	74	-17.33	-33.60	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:	May 3, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	TB782B	Power Supply:	DC 3.7V
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	
2399.390	54.67	58.81	-7.46	47.21	51.35	54	74	-6.79	-22.65	Vertical
2398.892	53.46	57.75	-7.46	46.00	50.29	54	74	-8.00	-23.71	Horizontal

Note:

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

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

Date of Test: May 3, 2012

Temperature: 25°C

EUT: MID

Humidity: 50%

Model No.: TB782B

Power Supply: DC 3.7V

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	
5484.590	44.35	48.55	-7.38	36.97	41.17	54	74	-17.03	-32.83	Vertical
2486.207	43.48	47.75	-7.38	36.10	40.37	54	74	-17.90	-33.63	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:	May 3, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	TB782B	Power Supply:	DC 3.7V
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	
2399.589	54.11	58.25	-7.46	46.65	50.79	54	74	-7.35	-23.21	Vertical
2399.589	52.56	57.39	-7.46	45.10	49.93	54	74	-8.90	-24.07	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:	May 3, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	TB782B	Power Supply:	DC 3.7V
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	
2484.086	43.69	48.47	-7.38	36.31	41.09	54	74	-17.69	-32.91	Vertical
2488.533	42.47	47.26	-7.38	35.09	39.88	54	74	-18.91	-34.12	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:	May 3, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	TB782B	Power Supply:	DC 3.7V
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	
2398.588	55.17	59.59	-7.47	47.70	52.12	54	74	-6.30	-21.88	Vertical
2398.310	56.08	60.64	-7.47	48.61	53.17	54	74	-5.39	-20.83	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:	May 3, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	TB782B	Power Supply:	DC 3.7V
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	
2485.522	45.42	49.07	-7.38	38.04	41.69	54	74	-15.96	-32.31	Vertical
2489.004	43.93	47.98	-7.39	36.54	40.59	54	74	-17.46	-33.41	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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Job No.: STAR #2197

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH1(802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

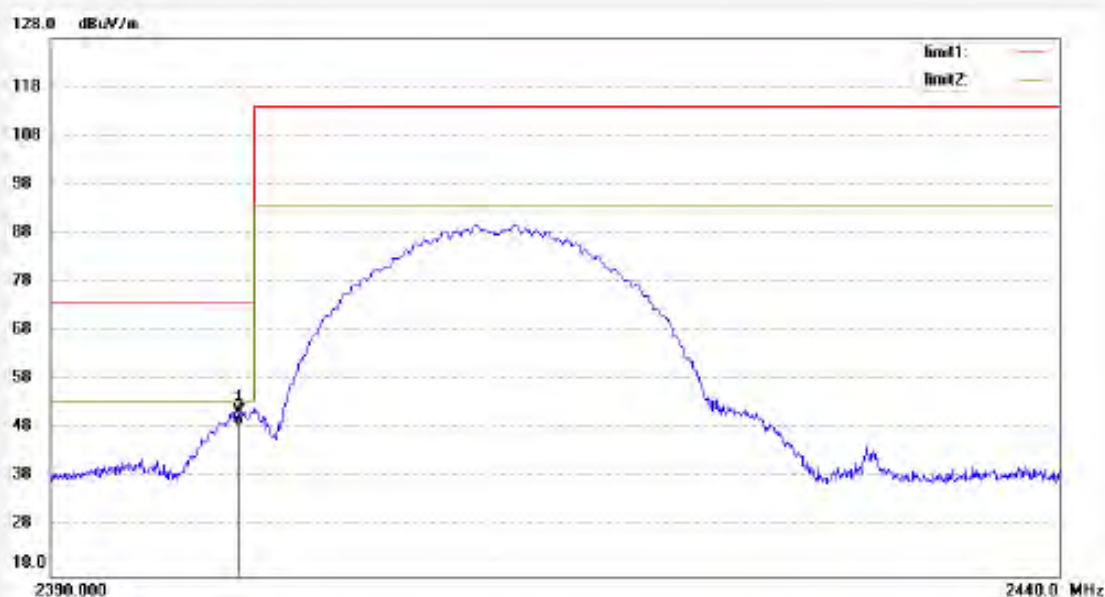
Date: 12/05/03/

Time: 9/54/34

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2399.290	59.11	-7.46	51.65	74.00	-22.35	peak			
2	2399.290	56.48	-7.46	49.02	54.00	-4.98	AVG			


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Job No.: STAR #2196

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH1(802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

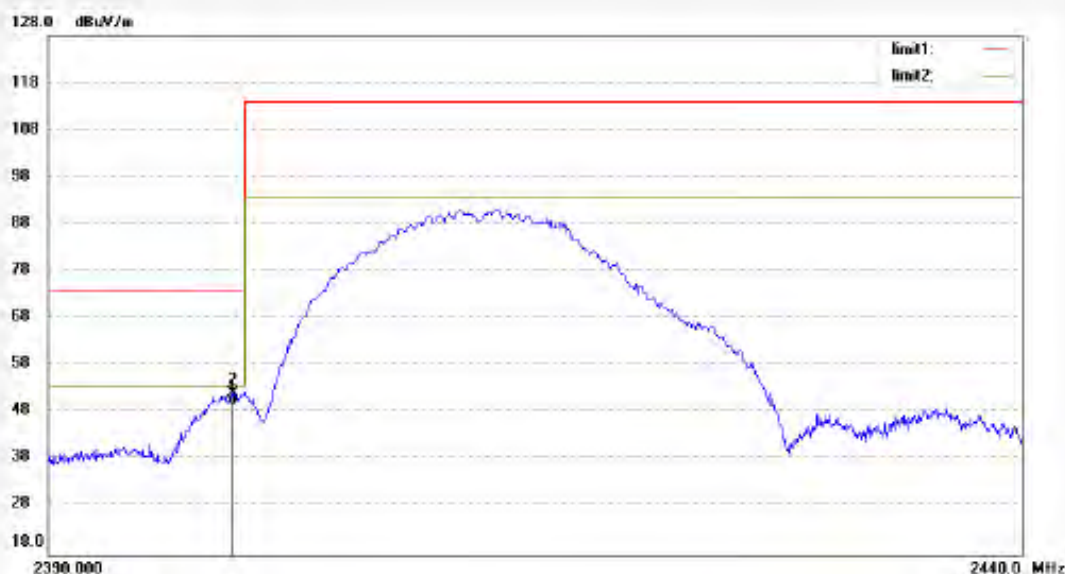
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Time: 9/49/23

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2399.390	57.35	-7.46	49.89	54.00	-4.11	AVG			
2	2399.390	59.71	-7.46	52.25	74.00	-21.75	peak			


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Fax:+86-0755-28503396

Job No.: STAR #2198

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH11(802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

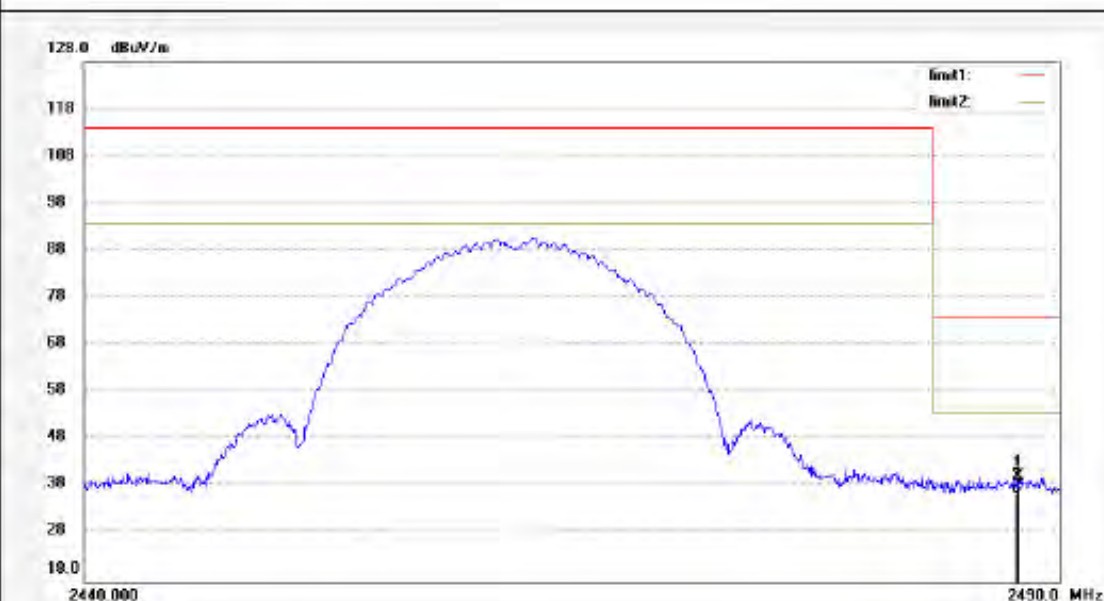
Date: 12/05/03/

Time: 9/57/49

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2487.825	47.78	-7.38	40.40	74.00	-33.60	peak			
2	2487.825	44.05	-7.38	36.67	54.00	-17.33	AVG			


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Job No.: STAR #2199

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH11(802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

Date: 12/05/03/

Time: 10/02/06

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2487.825	49.27	-7.38	41.89	74.00	-32.11	peak			
2	2487.825	45.14	-7.38	37.76	54.00	-16.24	AVG			


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Job No.: STAR #2194

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH1(802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

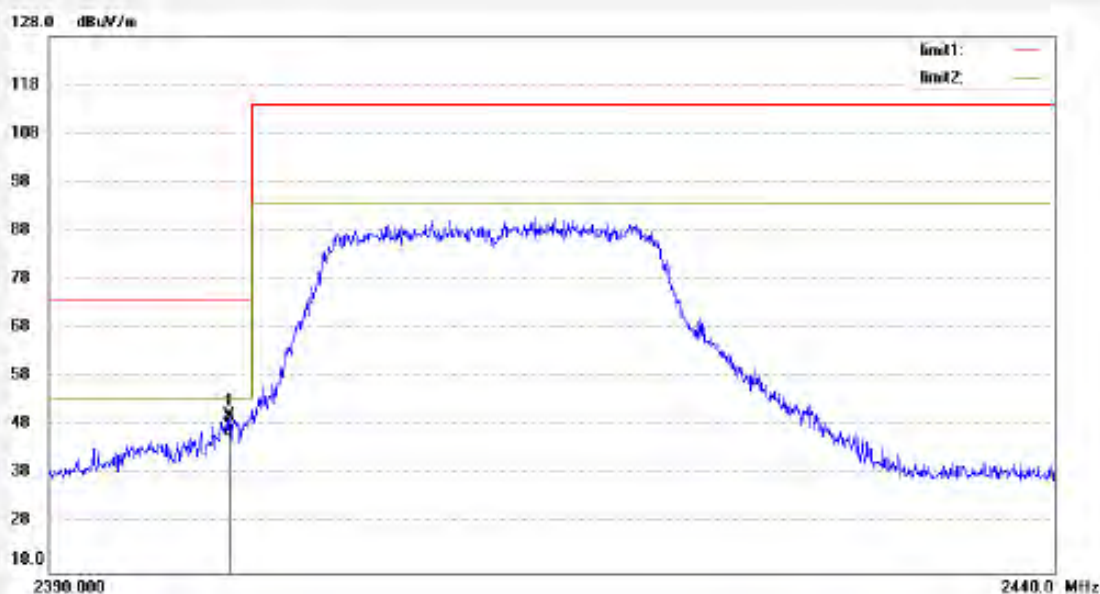
Date: 12/05/03/

Time: 9/39/14

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2398.892	57.75	-7.46	50.29	74.00	-23.71	peak			
2	2398.892	53.46	-7.46	46.00	54.00	-8.00	AVG			


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Job No.: STAR #2195

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH1(802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

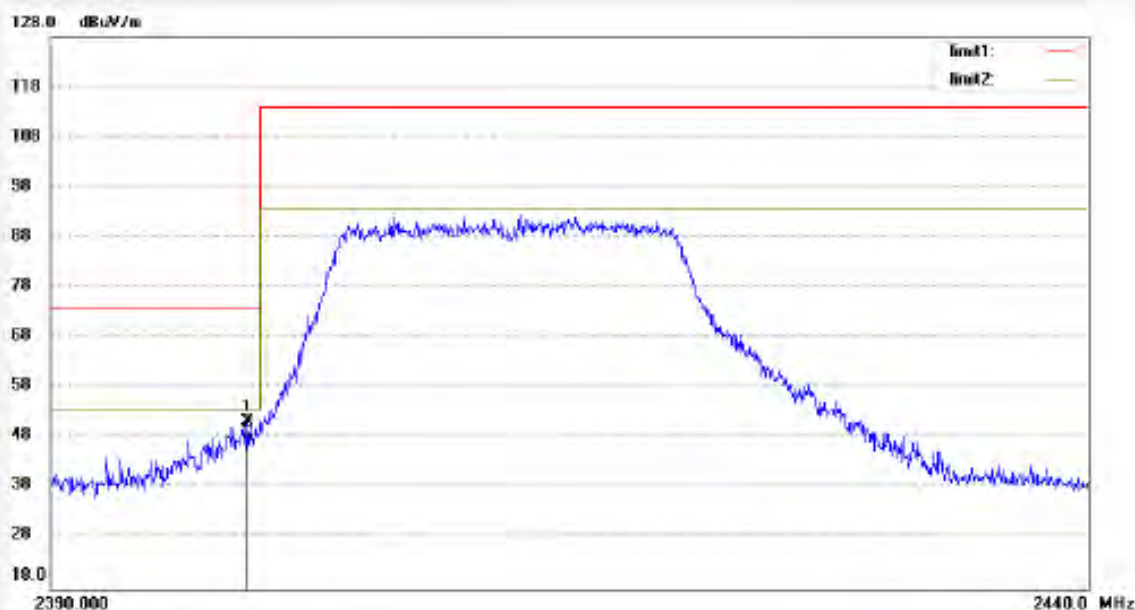
Date: 12/05/03/

Time: 9/44/36

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2399.390	58.81	-7.46	51.35	74.00	-22.65	peak			
2	2399.390	54.67	-7.46	47.21	54.00	-6.79	AVG			


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Fax:+86-0755-26503396

Job No.: STAR #2193

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH11(802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

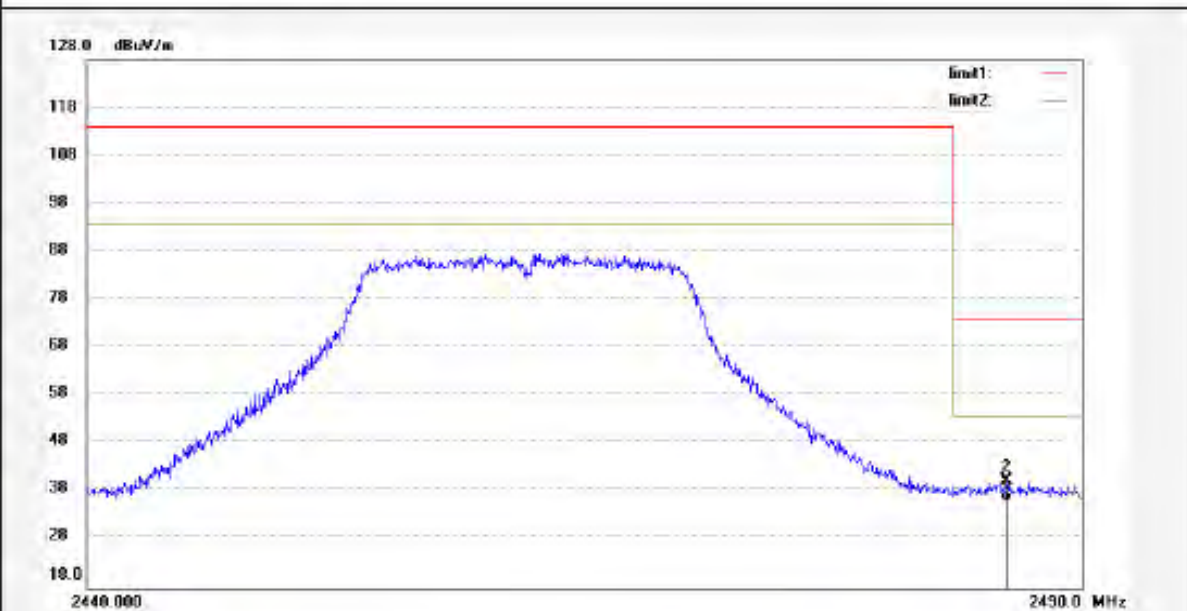
Date: 12/05/03/

Time: 9/33/10

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2486.207	43.48	-7.38	36.10	54.00	-17.90	AVG			
2	2486.207	47.75	-7.38	40.37	74.00	-33.63	peak			


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Job No.: STAR #2192
Standard: FCC Part 15 PEAK 2.4G
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: MID
Mode: TX CH11(802.11g)
Model: TB782B
Manufacturer: BNB

Polarization: Vertical
Power Source: DC 3.7V
Date: 12/05/03/
Time: 9/27/43
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2484.590	48.55	-7.38	41.17	74.00	-32.83	peak			
2	2484.590	44.35	-7.38	36.97	54.00	-17.03	AVG			


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Job No.: STAR #2189

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH1(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

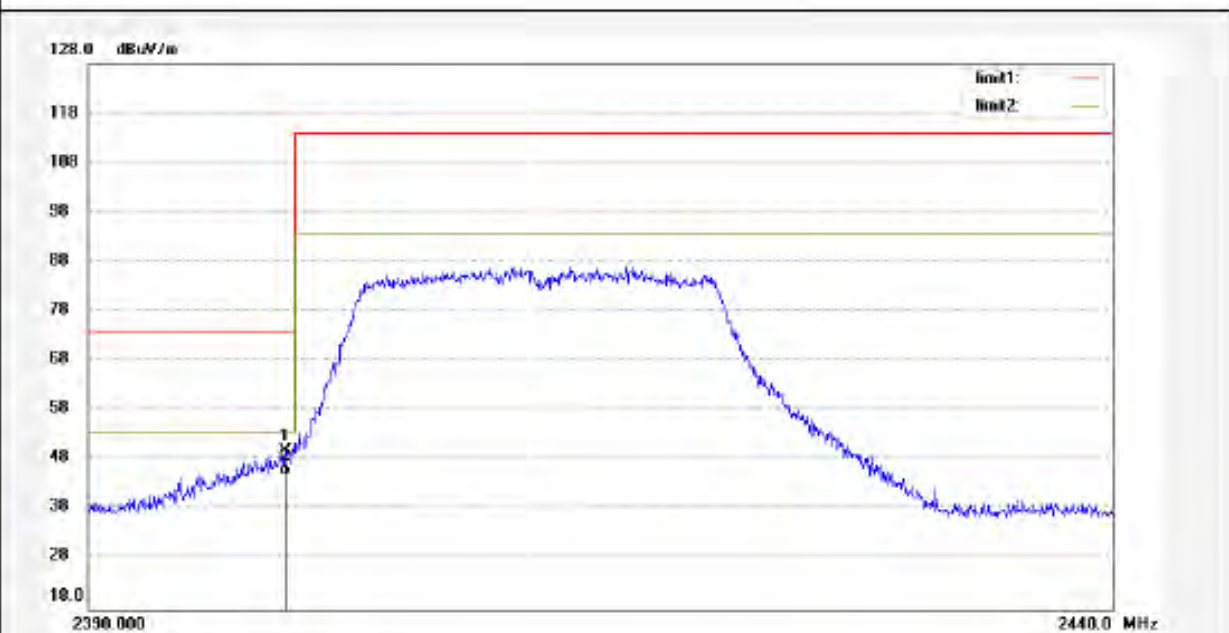
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Time: 9/14/22

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2399.539	57.39	-7.46	49.93	74.00	-24.07	peak			
2	2399.539	52.56	-7.46	45.10	54.00	-8.90	AVG			


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Fax:+86-0755-26503396

Job No.: STAR #2188
Standard: FCC Part 15 PEAK 2.4G
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: MID
Mode: TX.CH1(802.11n)
Model: TB782B
Manufacturer: BNB

Polarization: Vertical
Power Source: DC 3.7V
Date: 12/05/03/
Time: 9/09/57
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2399.589	58.25	-7.46	50.79	74.00	-23.21	peak			
2	2399.589	54.11	-7.46	46.65	54.00	-7.35	AVG			


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Job No.: STAR #2190

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH11(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

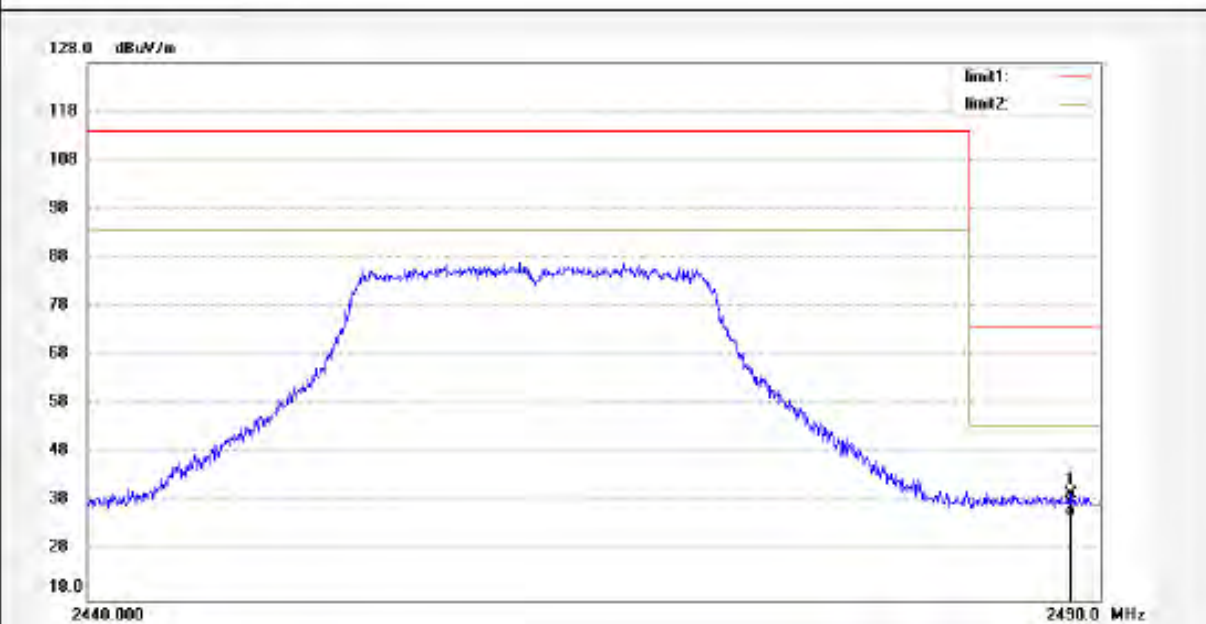
Date: 12/05/03/

Time: 9/18/31

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2488.533	47.26	-7.38	39.88	74.00	-34.12	peak			
2	2488.533	42.47	-7.38	35.09	54.00	-18.91	AVG			


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Site: 986 chamber

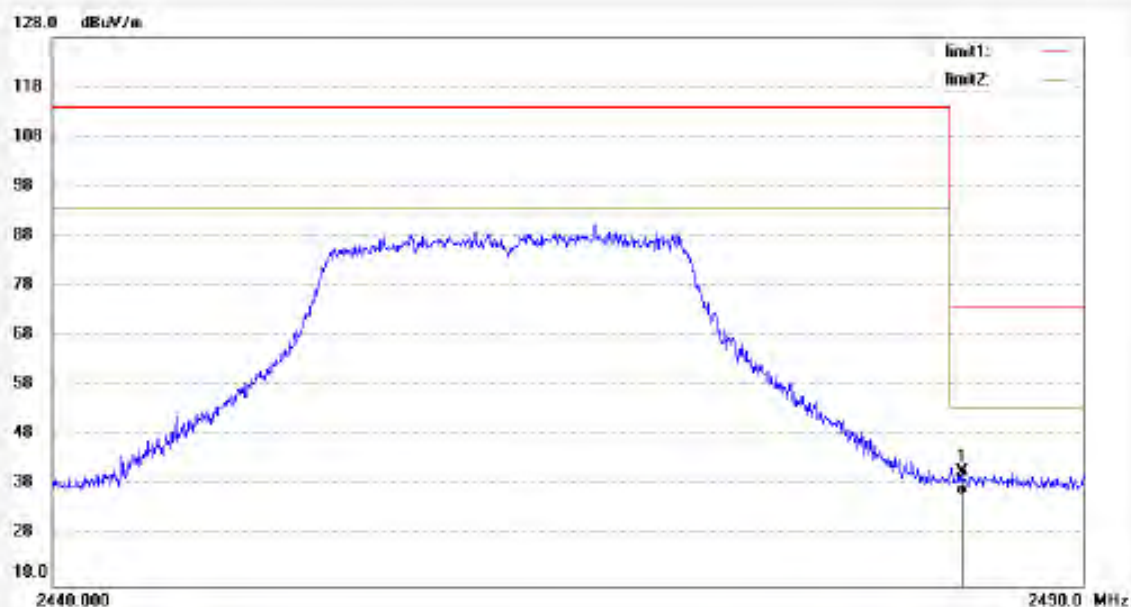
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2191
Standard: FCC Part 15 PEAK 2.4G
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: MID
Mode: TX CH11(802.11n)
Model: TB782B
Manufacturer: BNB

Polarization: Vertical
Power Source: DC 3.7V
Date: 12/05/03/
Time: 9/22/50
Engineer Signature:
Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2484.086	48.47	-7.38	41.09	74.00	-32.91	peak			
2	2484.086	43.69	-7.38	36.31	54.00	-17.69	AVG			



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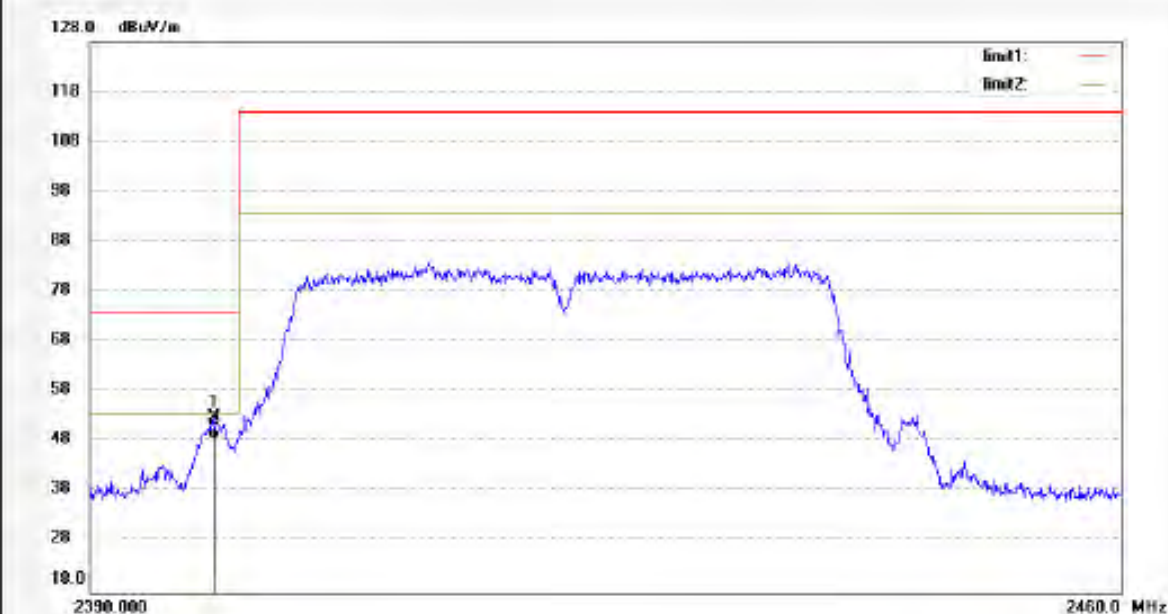
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Site: 986 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #2185
Standard: FCC Part 15 PEAK 2.4G
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: MID
Mode: TX CH3(802.11n)
Model: TB782B
Manufacturer: BNB

Polarization: Horizontal
Power Source: DC 3.7V
Date: 12/05/03/
Time: 8/53/44
Engineer Signature:
Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2398.310	60.64	-7.47	53.17	74.00	-20.83	peak			
2	2398.310	56.08	-7.47	48.61	54.00	-5.39	AVG			


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Job No.: STAR #2184

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH3(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

Date: 12/05/03/

Time: 8/49/55

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2398.588	59.59	-7.47	52.12	74.00	-21.88	peak			
2	2398.588	55.17	-7.47	47.70	54.00	-6.30	AVG			


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 Job No.: STAR #2186
 Standard: FCC Part 15 PEAK 2.4G
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 24 C / 48 %
 EUT: MID
 Mode: TX CH9(802.11n)
 Model: TB782B
 Manufacturer: BNB

 Polarization: Horizontal
 Power Source: DC 3.7V
 Date: 12/05/03/
 Time: 8/59/51
 Engineer Signature:
 Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2489.004	47.98	-7.39	40.59	74.00	-33.41	peak			
2	2489.004	43.93	-7.39	36.54	54.00	-17.46	AVG			


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Site: 966 chamber

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Job No.: STAR #2187

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH9(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

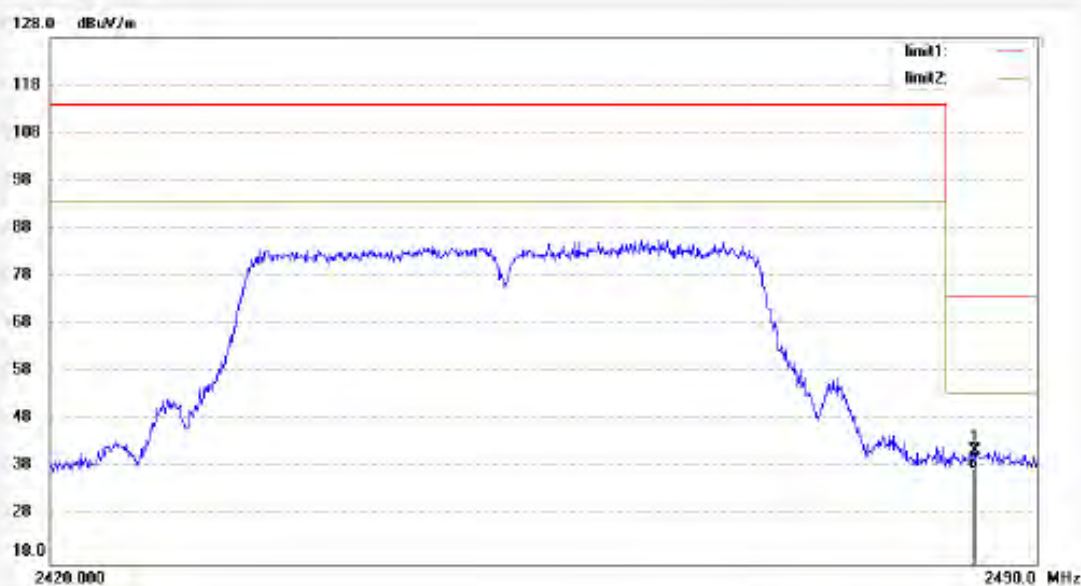
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Time: 9/05/16

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636

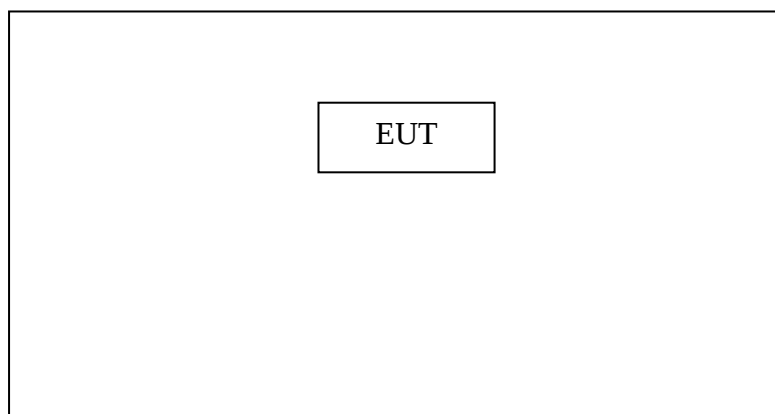


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2485.522	49.07	-7.38	41.69	74.00	-32.31	peak			
2	2485.522	45.42	-7.38	38.04	54.00	-15.96	AVG			

9. RADIATED SPURIOUS EMISSION TEST

9.1. Block Diagram of Test Setup

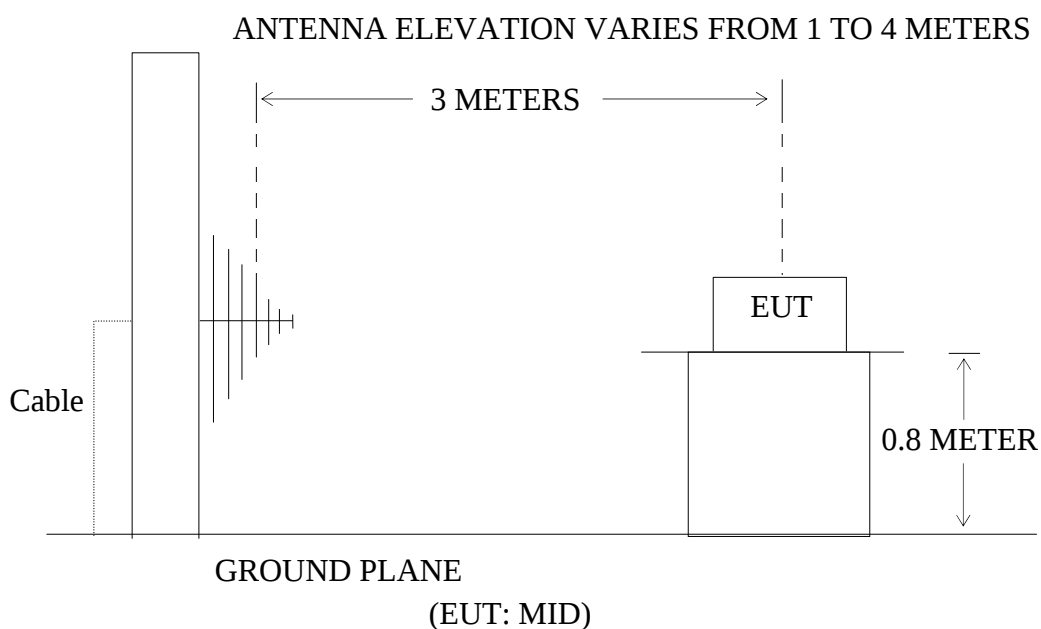
9.1.1. Block diagram of connection between the EUT and peripherals



Setup: Transmitting mode

(EUT: MID)

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.MID (EUT)

Model Number : TB782B
 Serial Number : N/A
 Manufacturer : Shenzhen BNB Digital Tech. 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 was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

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: 2003 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 300Mbps 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:	April 17-26, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	TB782B	Power Supply:	DC 3.7V
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	
259.4433	15.21	18.52	33.73	46.00	-12.27	Vertical
389.9873	11.94	21.88	33.82	46.00	-12.18	Vertical
491.7699	9.90	23.94	33.84	46.00	-12.16	Vertical
259.4433	18.70	18.52	37.22	46.00	-8.78	Horizontal
328.3068	16.76	19.69	36.45	46.00	-9.55	Horizontal
389.9873	15.29	21.88	37.17	46.00	-8.83	Horizontal

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	
4824.000	51.54	52.21	-0.19	51.35	52.02	54	74	-2.65	-21.98	Vertical
4824.000	52.90	54.07	-0.19	52.71	53.88	54	74	-1.29	-20.12	Horizontal

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

2. *: Denotes restricted band of operation.

Date of Test: April 26, 2012

Temperature: 25°C

EUT: MID

Humidity: 50%

Model No.: TB782B

Power Supply: DC 3.7V

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	
259.4433	14.30	18.52	32.82	46.00	-13.18	Vertical
389.9873	12.68	21.88	34.56	46.00	-11.44	Vertical
463.2561	9.83	23.35	33.18	46.00	-12.82	Vertical
162.0197	19.25	14.62	33.87	43.50	-9.63	Horizontal
259.4433	19.22	18.52	37.74	46.00	-8.26	Horizontal
389.9873	14.90	21.88	36.78	46.00	-9.22	Horizontal

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	
4874.000	51.48	52.14	0.09	51.57	52.23	54	74	-2.43	-21.77	Vertical
4874.000	52.31	52.57	0.09	52.40	53.66	54	74	-1.60	-20.34	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test: April 26, 2012

Temperature: 25°C

EUT: MID

Humidity: 50%

Model No.: TB782B

Power Supply: DC 3.7V

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	
259.4433	15.19	18.52	33.71	46.00	-12.29	Vertical
389.9873	12.94	21.88	34.82	46.00	-11.18	Vertical
491.7699	9.75	23.94	33.69	46.00	-12.31	Vertical
162.0197	16.22	14.62	30.84	43.50	-12.66	Horizontal
259.4433	19.09	18.52	37.61	46.00	-8.39	Horizontal
716.2038	9.78	27.05	36.83	46.00	-9.17	Horizontal

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	
4924.000	50.92	51.56	0.34	51.26	51.90	54	74	-2.74	-22.10	Vertical
4924.000	52.25	53.30	0.34	52.59	53.64	54	74	-1.41	-20.36	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test: April 26, 2012

Temperature: 25°C

EUT: MID

Humidity: 50%

Model No.: TB782B

Power Supply: DC 3.7V

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	
259.4433	18.17	18.52	36.69	46.00	-9.31	Vertical
328.3068	11.59	19.69	31.28	46.00	-14.72	Vertical
389.9873	11.97	21.88	33.85	46.00	-12.15	Vertical
259.4433	19.46	18.52	37.98	46.00	-8.02	Horizontal
328.3068	17.10	19.69	36.79	46.00	-9.21	Horizontal
389.9873	16.20	21.88	38.08	46.00	-7.92	Horizontal

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	
4824.000	46.49	47.14	-0.19	46.30	46.95	54	74	-7.70	-27.05	Vertical
4824.000	50.89	51.16	-0.19	50.70	50.97	54	74	-3.30	-23.03	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test: April 26, 2012

Temperature: 25°C

EUT: MID

Humidity: 50%

Model No.: TB782B

Power Supply: DC 3.7V

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	
259.4433	19.06	18.52	37.58	46.00	-8.42	Vertical
328.3068	11.62	19.69	31.31	46.00	-14.69	Vertical
389.9873	10.97	21.88	32.85	46.00	-13.15	Vertical
259.4433	20.16	18.52	38.68	46.00	-7.32	Horizontal
328.3068	17.27	19.69	36.96	46.00	-9.04	Horizontal
389.9873	15.75	21.88	37.63	46.00	-8.37	Horizontal

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	
4874.000	47.85	49.02	0.09	47.94	49.11	54	74	-6.06	-24.89	Vertical
4874.000	48.13	49.42	0.09	48.22	49.51	54	74	-5.78	-24.49	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test: April 26, 2012

Temperature: 25°C

EUT: MID

Humidity: 50%

Model No.: TB782B

Power Supply: DC 3.7V

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	
259.4433	16.76	18.52	35.28	46.00	-10.72	Vertical
328.3068	11.47	19.69	31.16	46.00	-14.84	Vertical
389.9873	11.10	21.88	32.98	46.00	-13.02	Vertical
259.4433	20.64	18.52	39.16	46.00	-6.84	Horizontal
328.3068	17.71	19.69	37.40	46.00	-8.60	Horizontal
389.9873	16.14	21.88	38.02	46.00	-7.98	Horizontal

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	
4924.000	45.83	46.67	0.34	46.17	47.01	54	74	-7.83	-26.99	Vertical
4924.000	49.25	50.42	0.34	49.59	50.76	54	74	-4.41	-23.24	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	<u>April 26, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>TB782B</u>	Power Supply:	<u>DC 3.7V</u>
	<u>802.11n Channel Low 2412MHz</u>		
Test Mode:	<u>(20MHz)</u>	Test Engineer:	<u>Pei</u>

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	
259.4433	16.28	18.52	34.80	46.00	-11.20	Vertical
328.3068	11.95	19.69	31.64	46.00	-14.36	Vertical
389.9873	11.27	21.88	33.15	46.00	-12.85	Vertical
259.4433	21.38	18.52	39.90	46.00	-6.10	Horizontal
328.3068	17.77	19.69	37.46	46.00	-8.54	Horizontal
389.9873	16.85	21.88	38.73	46.00	-7.27	Horizontal

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	
4824.000	44.91	45.71	-0.19	44.72	45.52	54	74	-9.28	-28.48	Vertical
4824.000	49.67	50.34	-0.19	49.48	50.15	54	74	-4.52	-23.85	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	April 26, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	TB782B	Power Supply:	DC 3.7V
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	
259.4433	15.69	18.52	34.21	46.00	-11.79	Vertical
328.3068	12.30	19.69	31.99	46.00	-14.01	Vertical
389.9873	11.37	21.88	33.25	46.00	-12.75	Vertical
259.4433	20.24	18.52	38.76	46.00	-7.24	Horizontal
328.3068	14.99	19.69	34.68	46.00	-11.32	Horizontal
389.9873	13.91	21.88	35.79	46.00	-10.21	Horizontal

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	
4874.000	46.35	47.03	0.09	46.44	47.12	54	74	-7.56	-6.88	Vertical
4874.000	47.28	48.32	0.09	47.37	48.41	54	74	-6.63	-25.59	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	April 26, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	TB782B	Power Supply:	DC 3.7V
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	
259.4433	16.46	18.52	34.98	46.00	-11.02	Vertical
328.3068	11.50	19.69	31.19	46.00	-14.81	Vertical
389.9873	11.98	21.88	33.86	46.00	-12.14	Vertical
259.4433	19.05	18.52	37.57	46.00	-8.43	Horizontal
328.3068	17.33	19.69	37.02	46.00	-8.98	Horizontal
389.9873	14.94	21.88	36.82	46.00	-9.18	Horizontal

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	
4924.000	45.42	46.58	0.34	45.76	46.92	54	74	-7.08	-27.08	Vertical
4924.000	47.59	49.13	0.34	47.93	49.46	54	74	-6.07	-24.54	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	<u>April 26, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>TB782B</u>	Power Supply:	<u>DC 3.7V</u>
	<u>802.11n Channel Low 2422MHz</u>		
Test Mode:	<u>(40MHz)</u>	Test Engineer:	<u>Pei</u>

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	
195.8701	8.47	16.14	24.61	43.50	-18.89	Vertical
389.9873	10.22	21.88	32.10	46.00	-13.90	Vertical
491.7699	7.84	23.94	31.78	46.00	-14.22	Vertical
162.0197	20.25	14.62	34.87	43.50	-8.63	Horizontal
259.4433	17.02	18.52	35.54	46.00	-10.46	Horizontal
389.9873	17.26	21.88	39.14	46.00	-6.86	Horizontal

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	
4844.000	45.66	46.26	-0.08	45.58	46.18	54	74	-8.42	-27.82	Vertical
4884.000	46.47	47.38	-0.08	46.39	47.30	54	74	-7.61	-26.70	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	April 26, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	TB782B	Power Supply:	DC 3.7V
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	
130.3048	8.52	14.89	23.41	43.50	-20.09	Vertical
389.9873	9.85	21.88	31.73	46.00	-14.27	Vertical
491.7699	7.36	23.94	31.30	46.00	-14.70	Vertical
162.0197	19.35	14.62	33.97	43.50	-9.53	Horizontal
259.4433	14.37	18.52	32.89	46.00	-13.11	Horizontal
389.9873	17.47	21.88	39.35	46.00	-6.65	Horizontal

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	
4874.000	45.40	45.45	0.09	45.49	45.54	54	74	-8.51	-28.46	Vertical
4874.000	46.59	47.46	0.09	46.68	47.55	54	74	-7.32	-26.45	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	<u>April 26, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>TB782B</u>	Power Supply:	<u>DC 3.7V</u>
Test Mode:	<u>802.11n Channel High 2452MHz</u>	Test Engineer:	<u>Pei</u>
	<u>(40MHz)</u>		

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	
130.3048	8.71	14.89	23.60	43.50	-19.90	Vertical
259.4433	7.14	18.52	25.66	46.00	-20.34	Vertical
389.9873	10.51	21.88	32.39	46.00	-13.61	Vertical
162.0197	20.36	14.62	34.98	43.50	-8.52	Horizontal
259.4433	17.30	18.52	35.82	46.00	-10.18	Horizontal
389.9873	17.13	21.88	39.01	46.00	-6.99	Horizontal

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	
4904.000	43.49	44.27	0.25	43.74	44.52	54	74	-10.26	-29.48	Vertical
4904.000	45.28	46.74	0.25	45.53	46.99	54	74	-8.47	-27.01	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**


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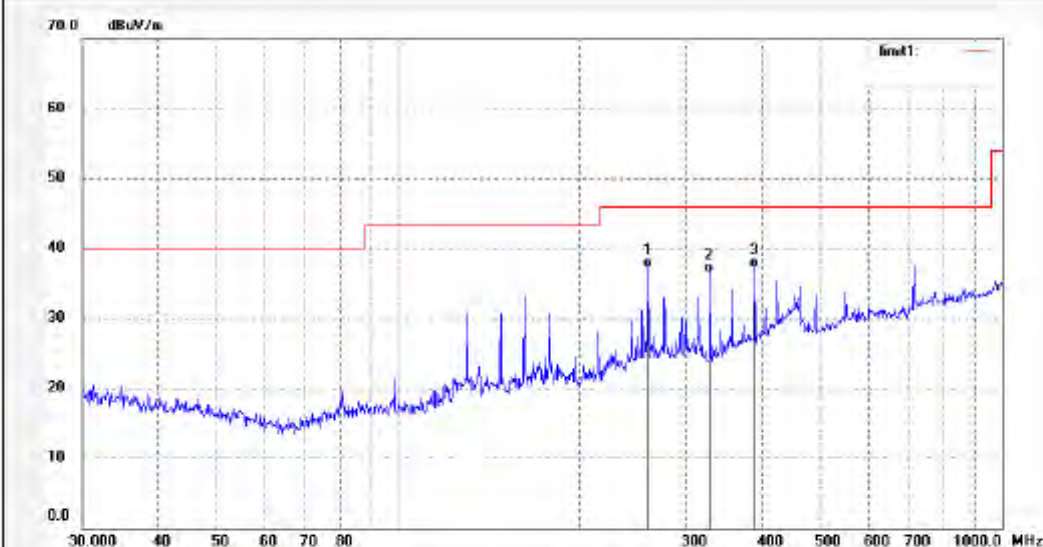
Site: 066 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2037	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2012/04/18
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 13:58:00
EUT: MID	Engineer Signature:
Mode: TX CH1(802.11b)	Distance: 3m
Model: TB782B	
Manufacturer: BNB	

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	18.70	18.52	37.22	46.00	-8.78	QP			
2	328.3068	16.76	19.69	36.45	46.00	-9.55	QP			
3	389.9873	15.29	21.88	37.17	46.00	-8.83	QP			


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Site: 866 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2036

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH1(802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

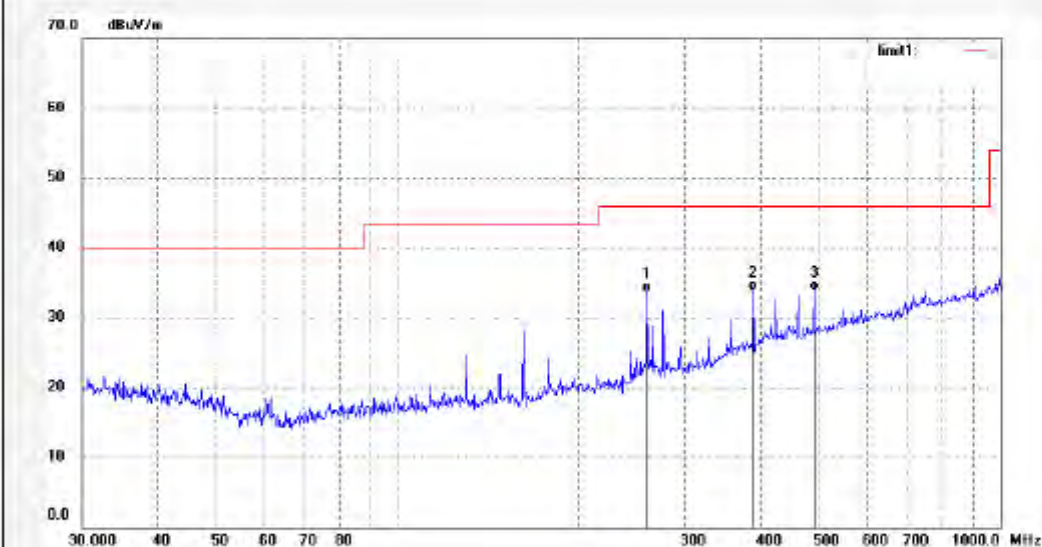
Date: 2012/04/16

Time: 13:54:05

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	15.21	18.52	33.73	46.00	-12.27	QP			
2	389.9873	11.94	21.88	33.82	46.00	-12.18	QP			
3	491.7699	9.90	23.94	33.84	46.00	-12.16	QP			


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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2054

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH1(802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

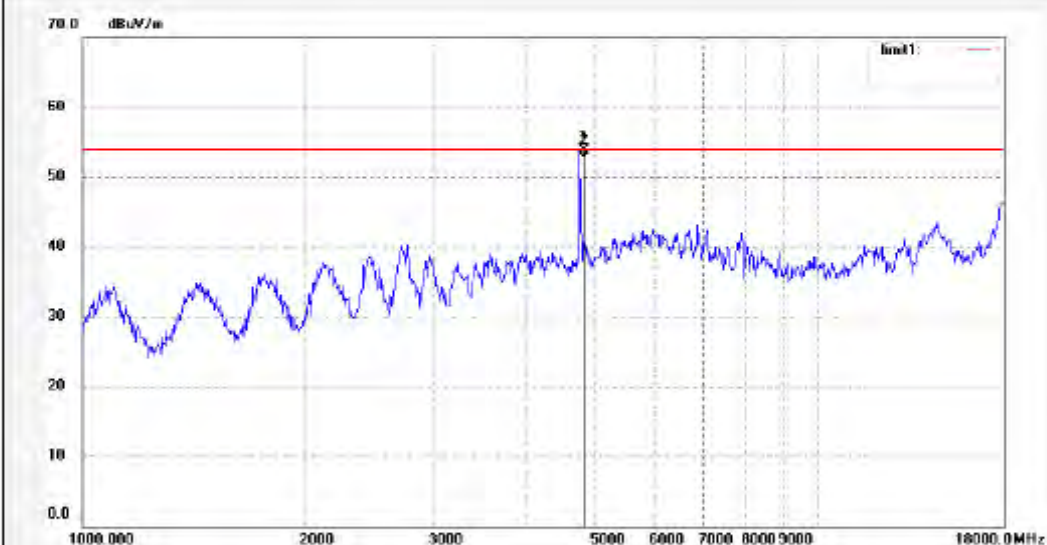
Date: 12/04/17/

Time: 9/46/17

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.000	54.07	-0.19	53.88	74.00	-20.12	peak			
2	4824.000	52.90	-0.19	52.71	54.00	-1.29	AVG			


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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2055

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH1(802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

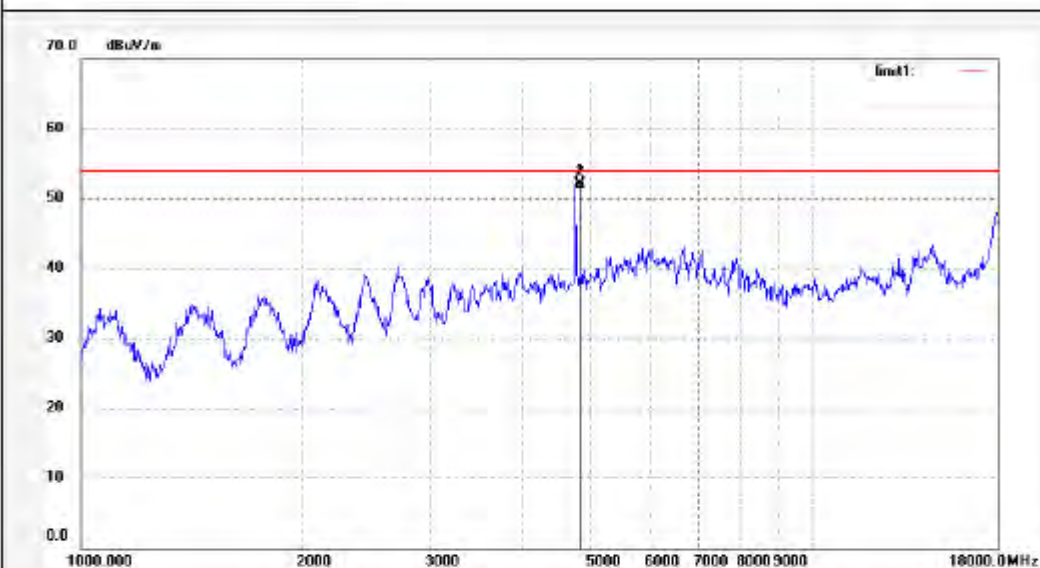
Date: 12/04/17/

Time: 9/47/43

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.000	52.21	-0.19	52.02	74.00	-21.98	peak			
2	4824.000	51.54	-0.19	51.35	54.00	-2.65	AVG			


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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #1601

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 1 (802.11b)

Model: TB782B

Manufacturer: NBN

Polarization: Horizontal

Power Source: DC 3.7V

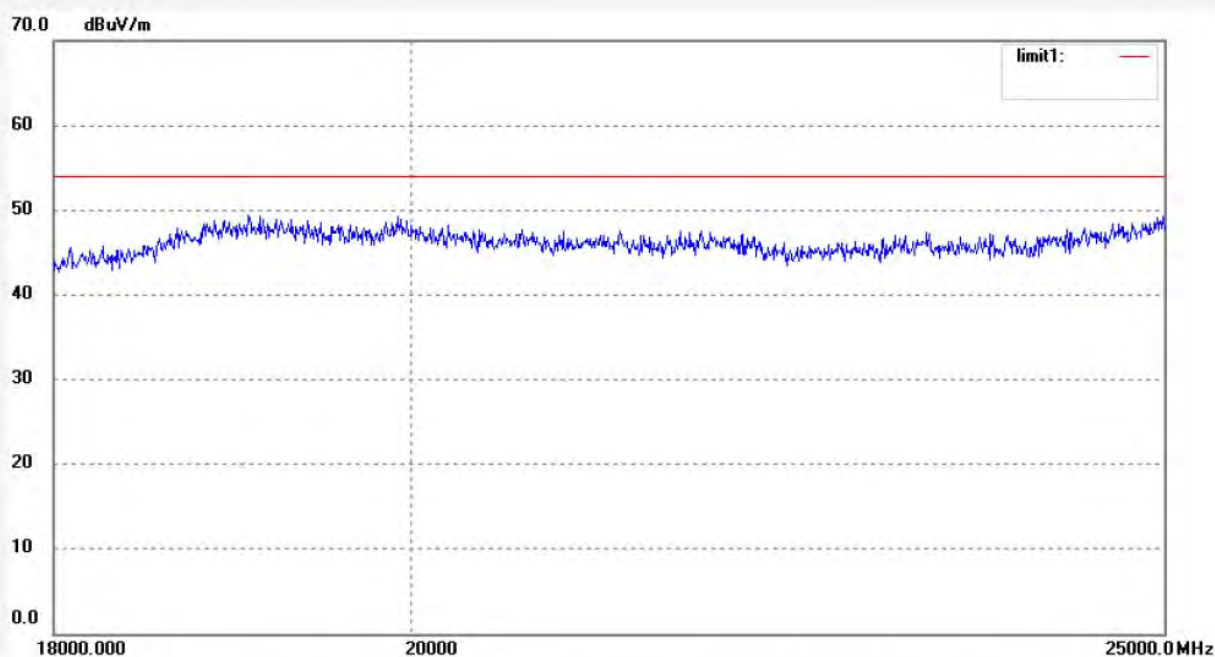
Date: 2012/04/27

Time: 10:05:15

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20120636



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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #1602

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 1 (802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

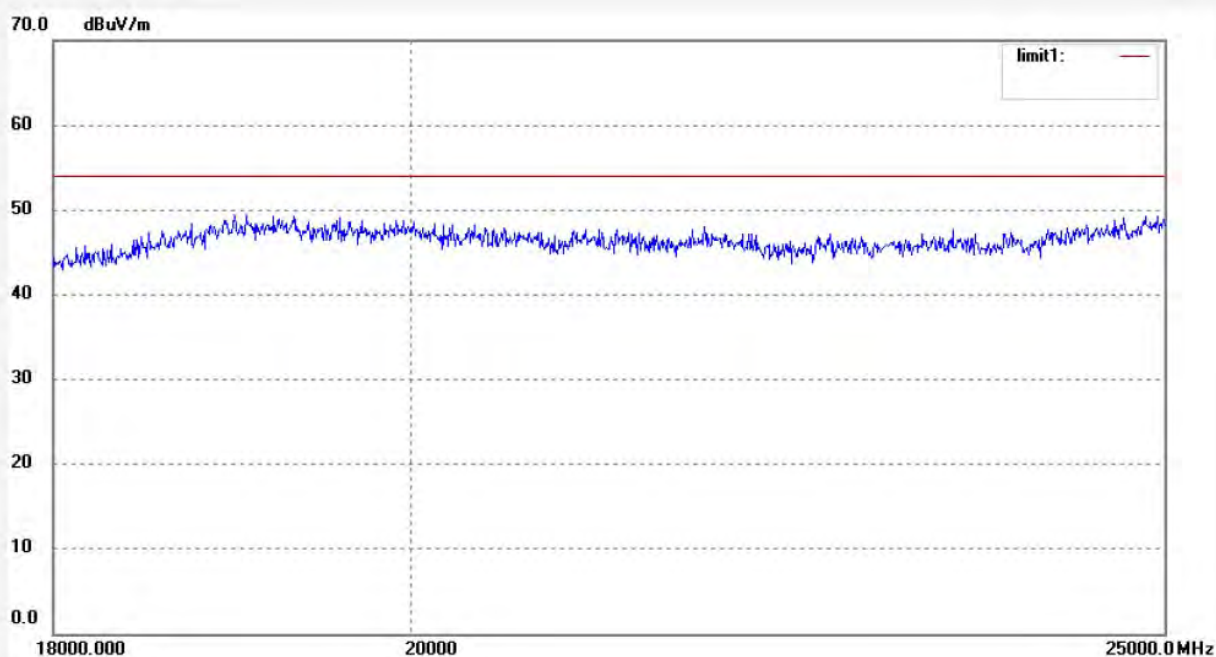
Date: 2012/04/27

Time: 10:09:22

Engineer Signature: STAR

Distance: 3m

Note: Report No.: ATE20120636



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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2038

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH6(802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

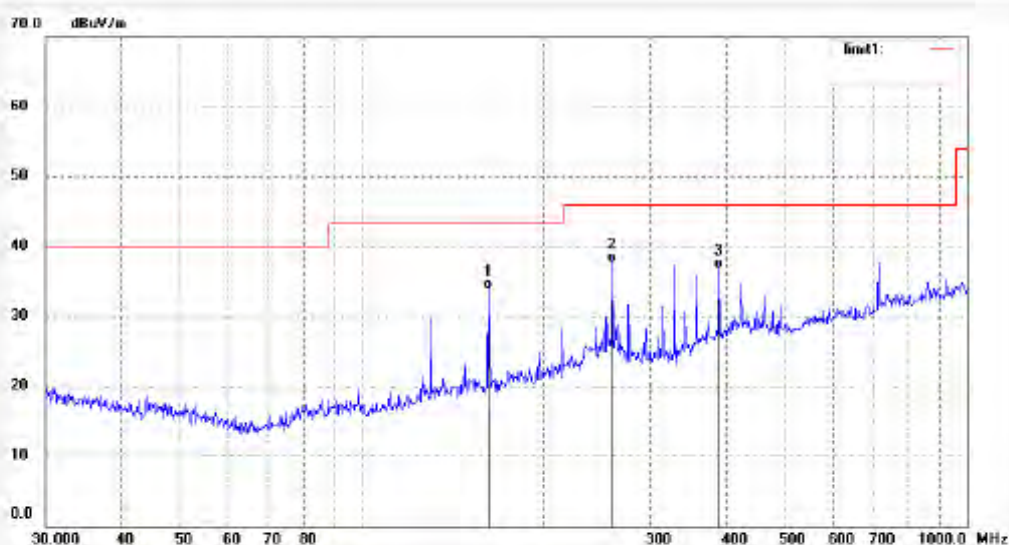
Date: 2012/04/16

Time: 14:05:39

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	162.0197	19.25	14.62	33.87	43.50	-9.63	QP			
2	259.4433	19.22	18.52	37.74	46.00	-8.26	QP			
3	389.9873	14.90	21.88	36.78	46.00	-9.22	QP			


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Site: 968 chamber

Tel:+86-0755-28503290

Fax:+86-0755-28503398

Job No.: STAR #2039

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH6(802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

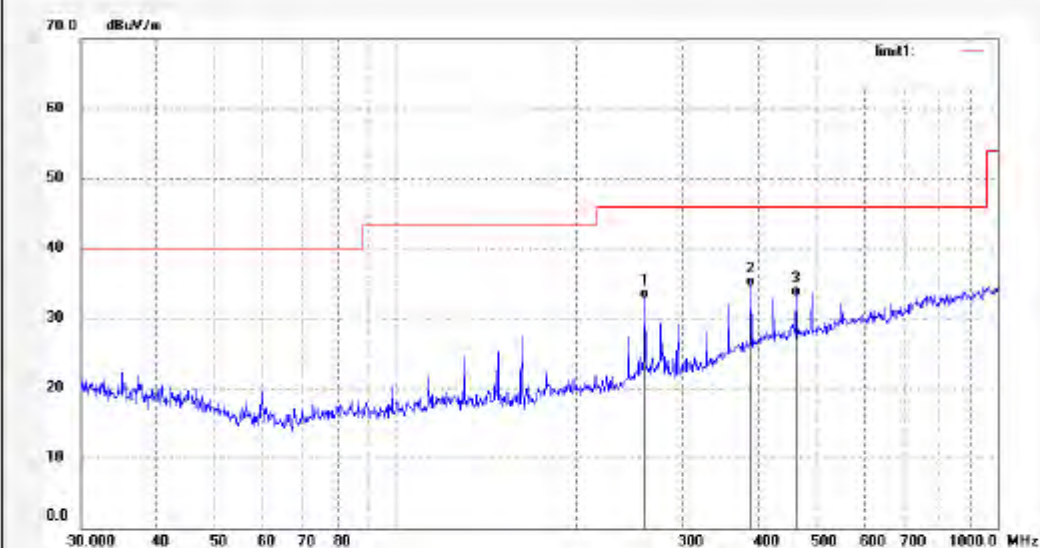
Date: 2012/04/18

Time: 14:08:45

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	14.30	18.52	32.82	46.00	-13.18	QP			
2	389.9873	12.68	21.88	34.56	46.00	-11.44	QP			
3	463.2561	9.83	23.35	33.18	46.00	-12.82	QP			


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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2060

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH6(802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

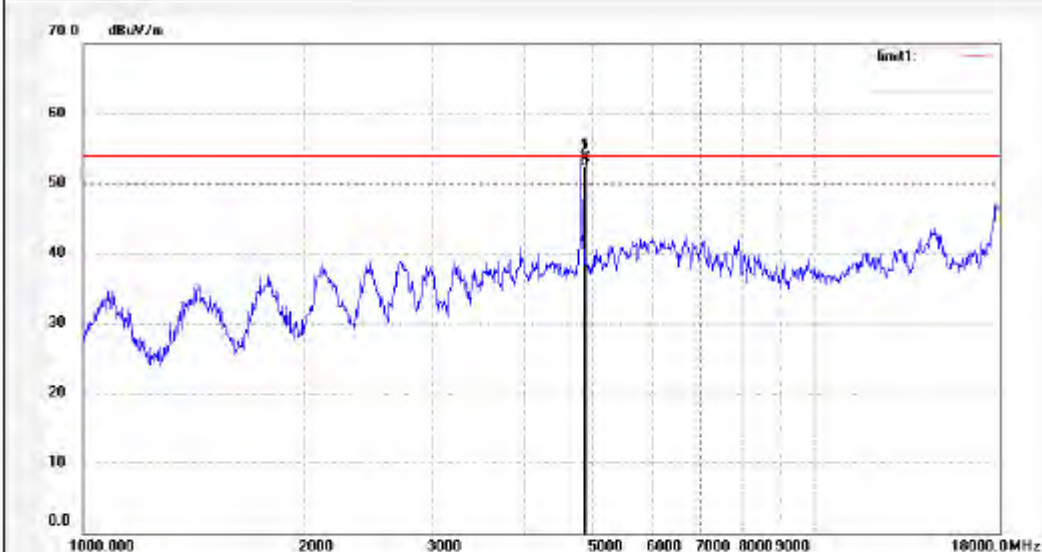
Date: 12/04/17/

Time: 10/06/28

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	53.57	0.09	53.66	74.00	-20.34	peak			
2	4874.000	52.31	0.09	52.40	54.00	-1.60	AVG			


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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2081

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH6(802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

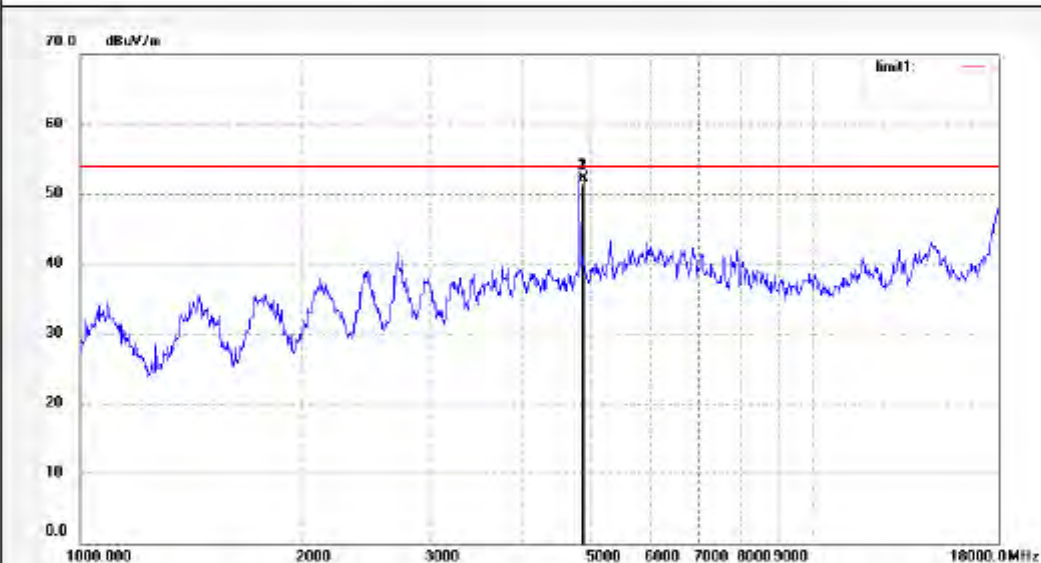
Date: 12/04/17/

Time: 10/07/43

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	52.14	0.09	52.23	74.00	-21.77	peak			
2	4874.000	51.48	0.09	51.57	54.00	-2.43	AVG			



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

Job No.: Bob #1604

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 6 (802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

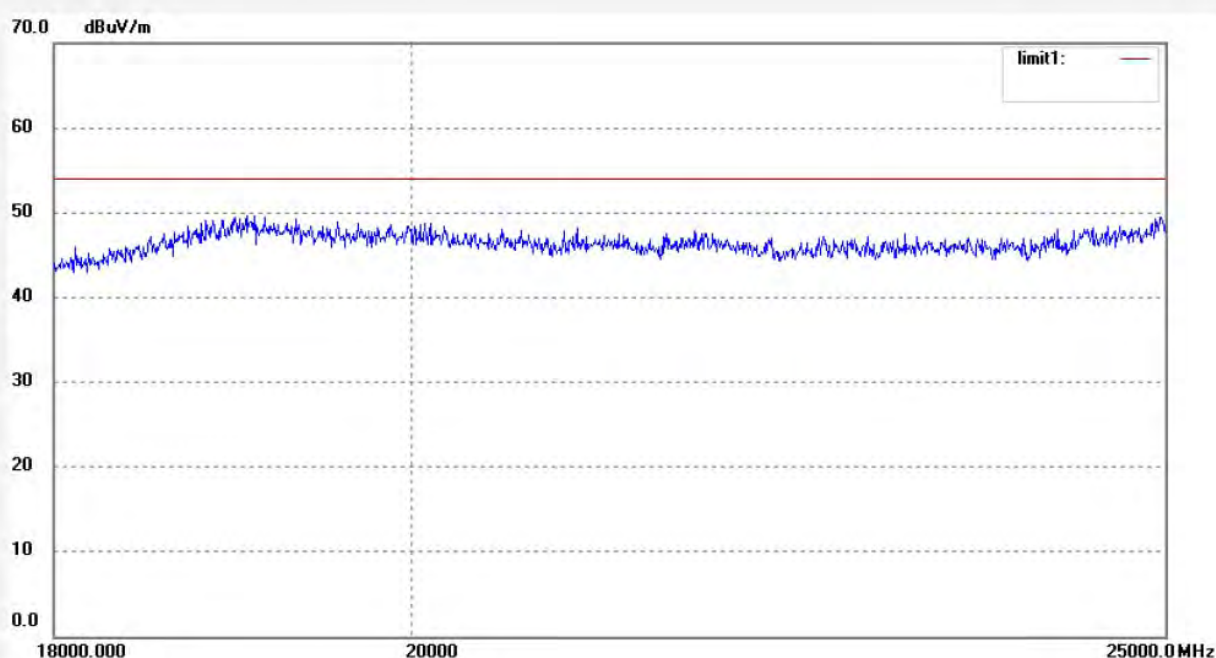
Date: 2012/04/27

Time: 10:18:36

Engineer Signature: STAR

Distance: 3m

Note: Report No.: ATE20120636



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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #1603

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 6 (802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

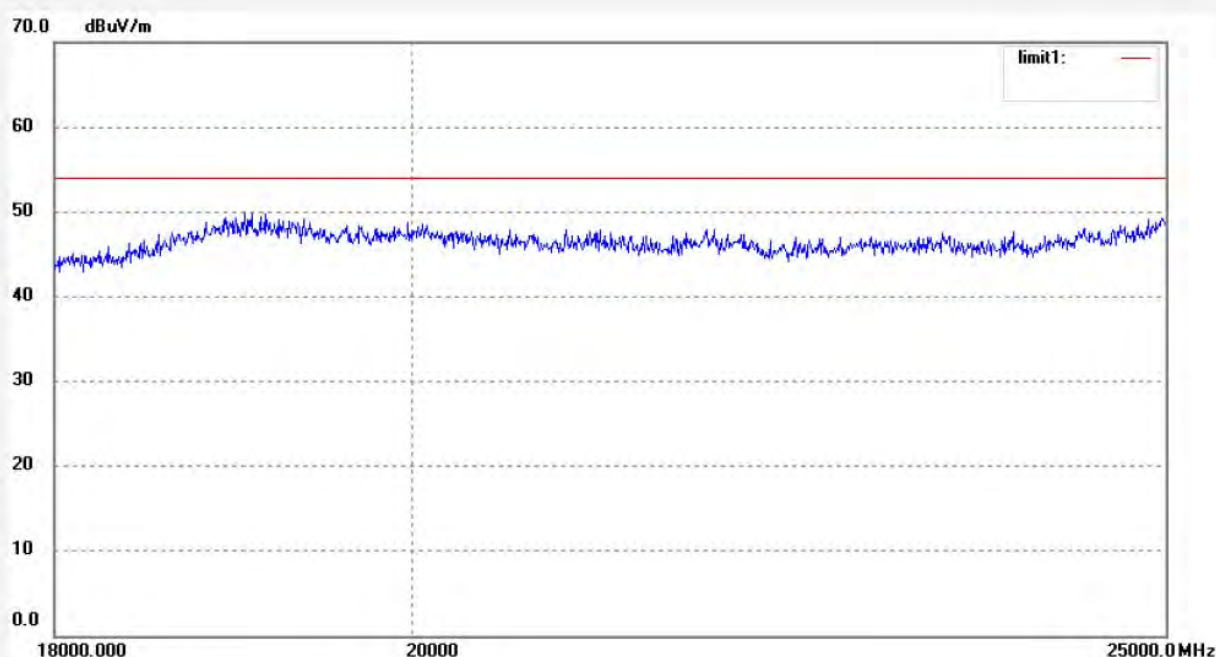
Date: 2012/04/27

Time: 10:14:45

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20120636



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

Site: 988 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503398

Job No.: STAR #2041

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 2012/04/16

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 14:09:36

EUT: MID

Engineer Signature:

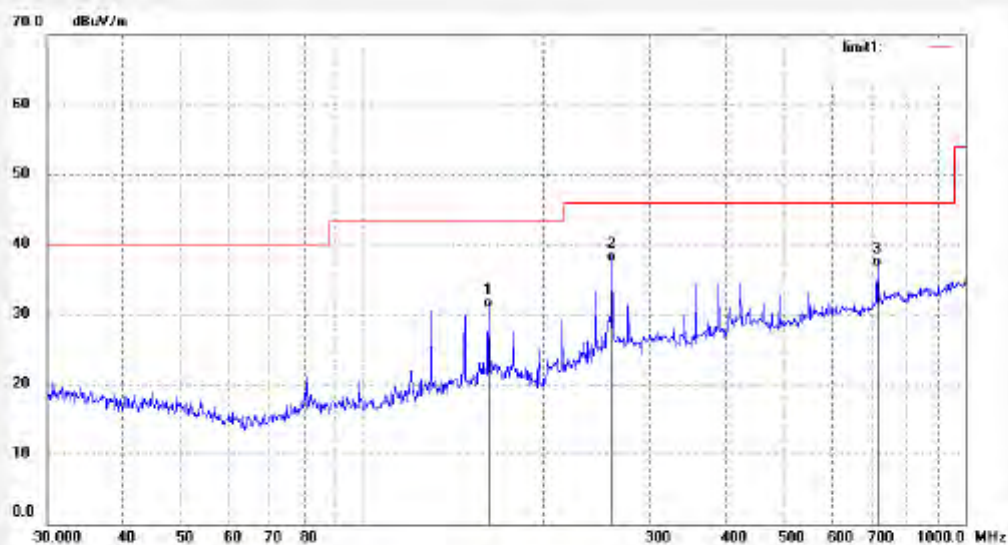
Mode: TX CH11(802.11b)

Distance: 3m

Model: TB782B

Manufacturer: BNB

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	162.0197	16.22	14.62	30.84	43.50	-12.66	QP			
2	259.4433	19.09	18.52	37.61	46.00	-8.39	QP			
3	716.2038	9.78	27.05	36.83	46.00	-9.17	QP			


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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2040

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH11(802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

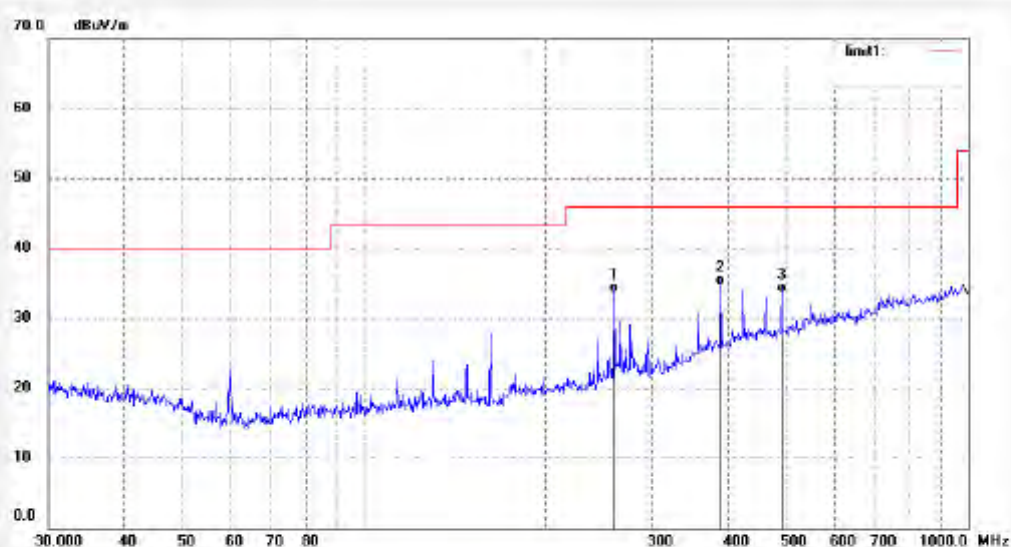
Date: 2012/04/16

Time: 14:07:42

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	15.19	18.52	33.71	46.00	-12.29	QP			
2	389.9873	12.94	21.88	34.82	46.00	-11.18	QP			
3	491.7899	9.75	23.94	33.69	46.00	-12.31	QP			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 986 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2066

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH11(802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

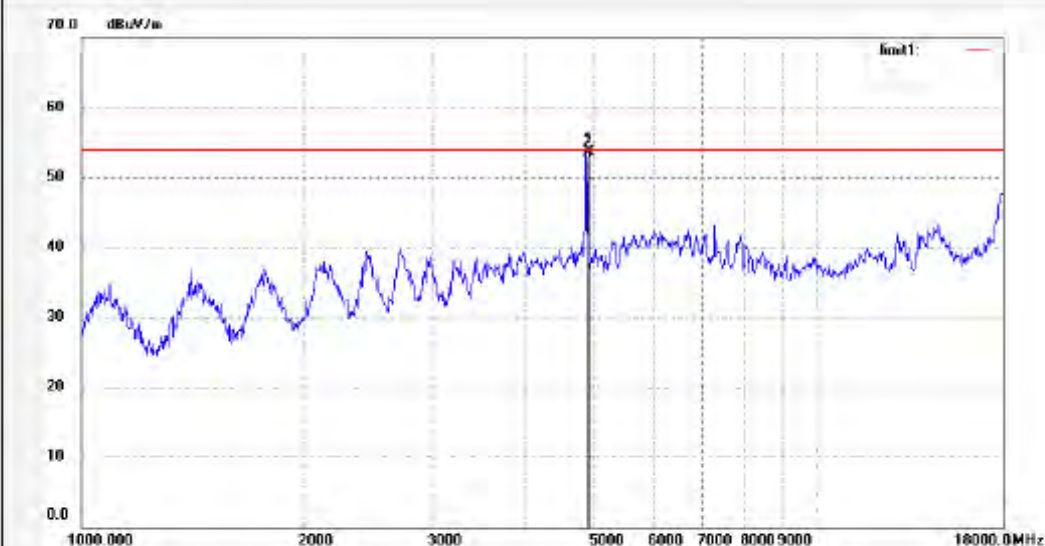
Date: 2012/04/17

Time: 12:14:24

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.000	53.30	0.34	53.64	74.00	-20.36	peak			
2	4924.000	52.25	0.34	52.59	54.00	-1.41	AVG			


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 #2087

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH11(802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

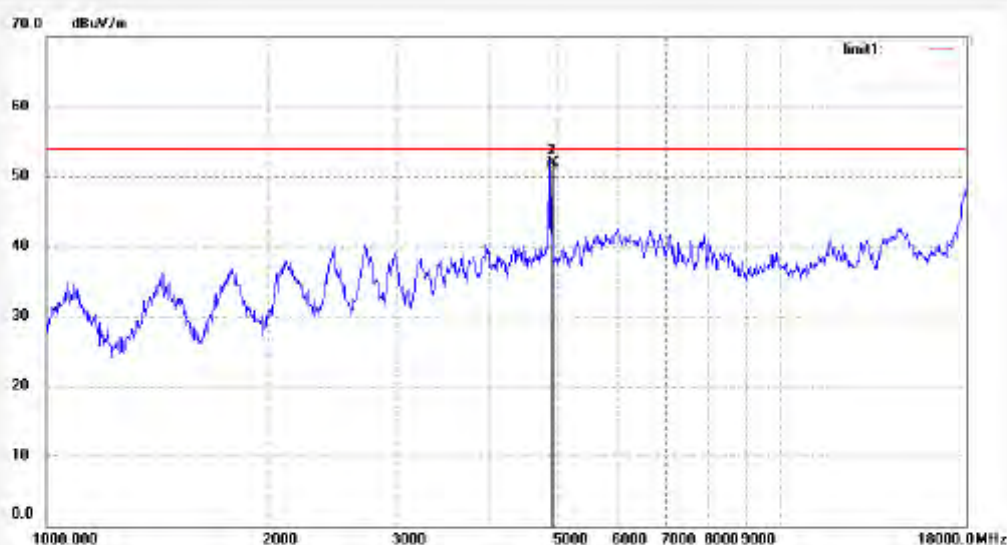
Date: 2012/04/17

Time: 12:16:54

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.000	51.56	0.34	51.90	74.00	-22.10	peak			
2	4924.000	50.92	0.34	51.26	54.00	-2.74	AVG			


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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.: Bob #1605

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 11 (802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

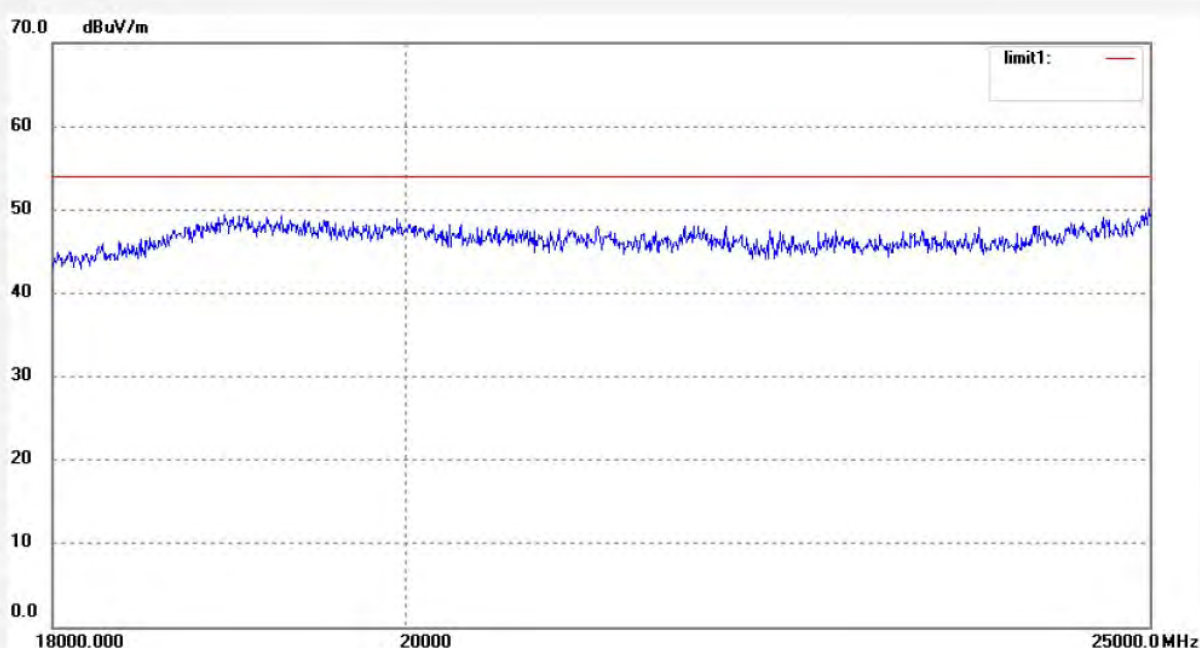
Date: 2012/04/27

Time: 10:23:55

Engineer Signature: STAR

Distance: 3m

Note: Report No.: ATE20120636



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.: Bob #1606

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 11 (802.11b)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

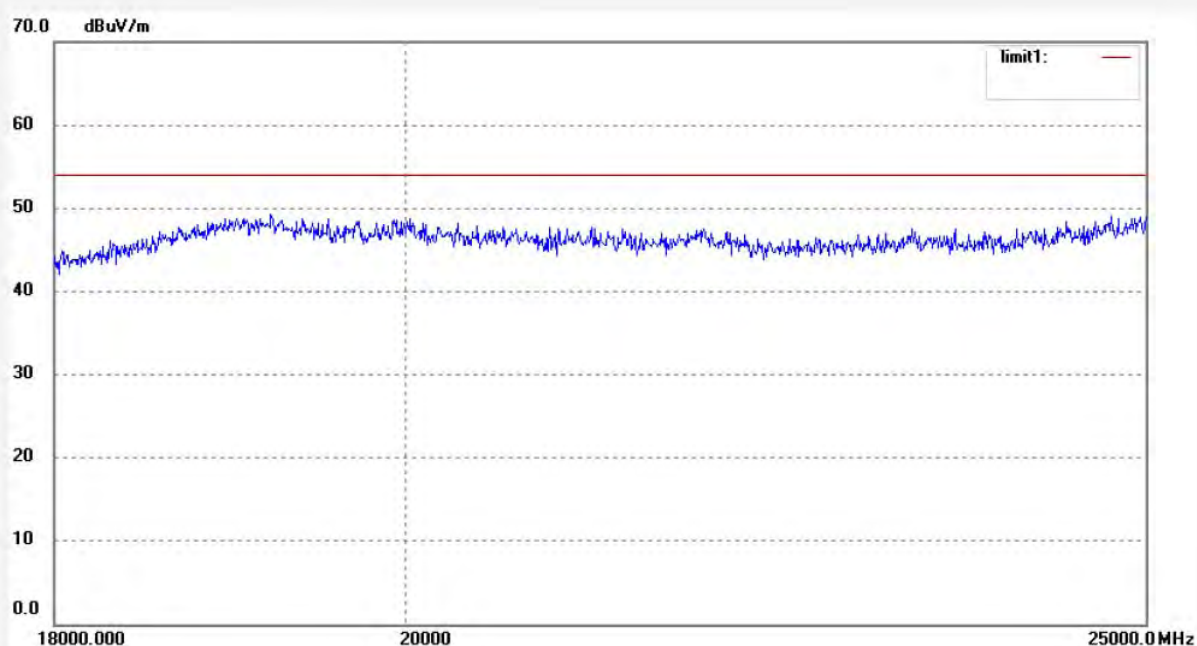
Date: 2012/04/27

Time: 10:27:11

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20120636



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 #2042

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH1(802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

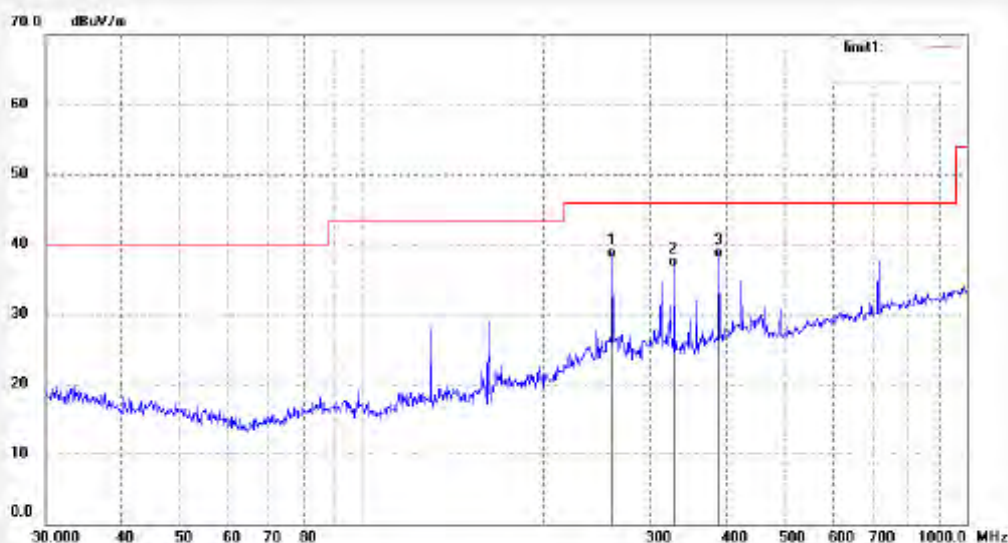
Date: 12/04/17/

Time: 8/40/18

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	19.46	18.52	37.98	46.00	-8.02	QP			
2	328.3068	17.10	19.69	36.79	46.00	-9.21	QP			
3	389.9873	18.20	21.88	38.08	46.00	-7.92	QP			


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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 #2043

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 12/04/17/

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 8/43/09

EUT: MID

Engineer Signature:

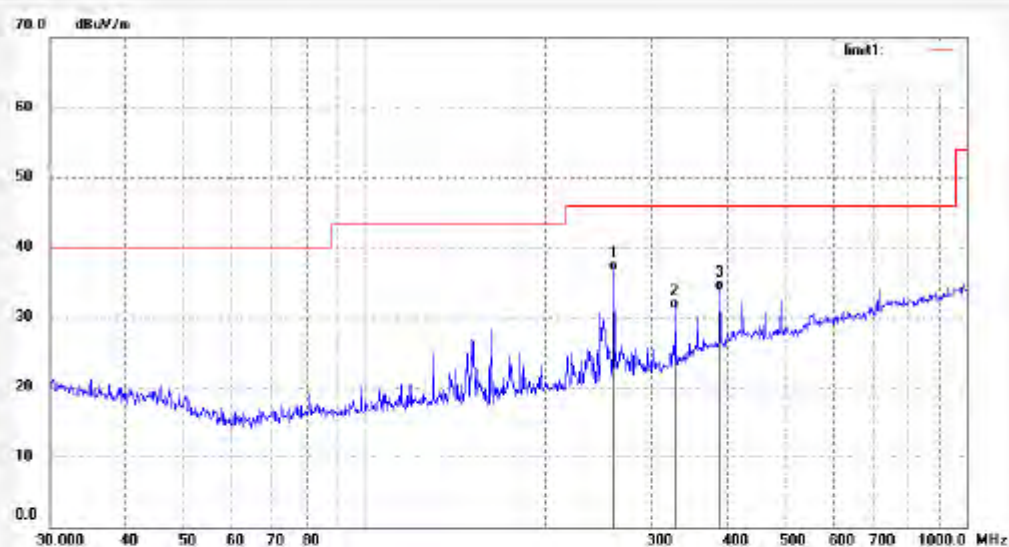
Mode: TX CH1(802.11g)

Distance: 3m

Model: TB782B

Manufacturer: BNB

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	18.17	18.52	36.69	46.00	-9.31	QP			
2	328.3068	11.59	19.69	31.28	46.00	-14.72	QP			
3	389.9873	11.97	21.88	33.85	46.00	-12.15	QP			


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 #2057

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH1(802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

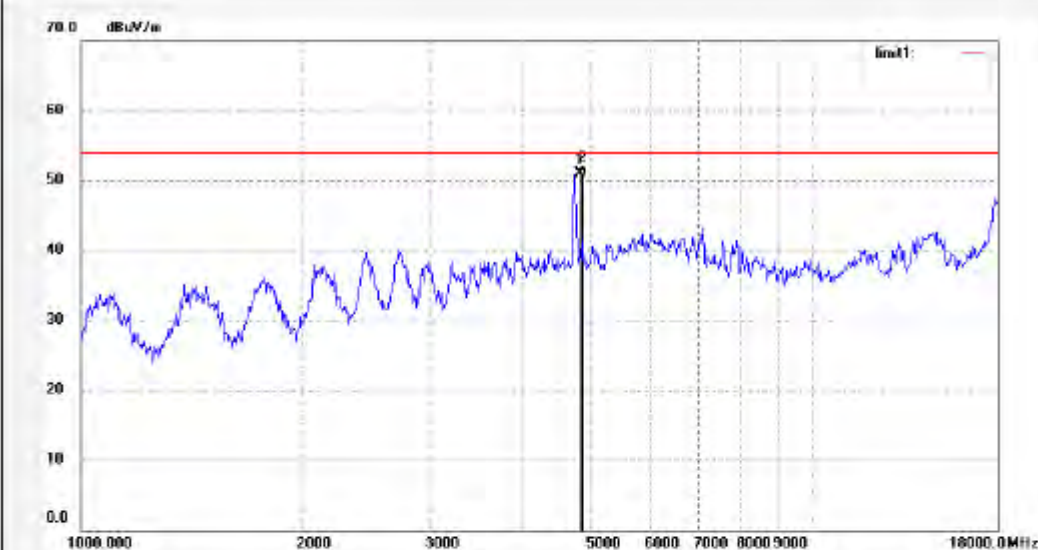
Date: 12/04/17/

Time: 9/49/54

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.000	51.16	-0.19	50.97	74.00	-23.03	peak			
2	4824.000	50.89	-0.19	50.70	54.00	-3.30	AVG			


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

Site: 986 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2056

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH1(802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

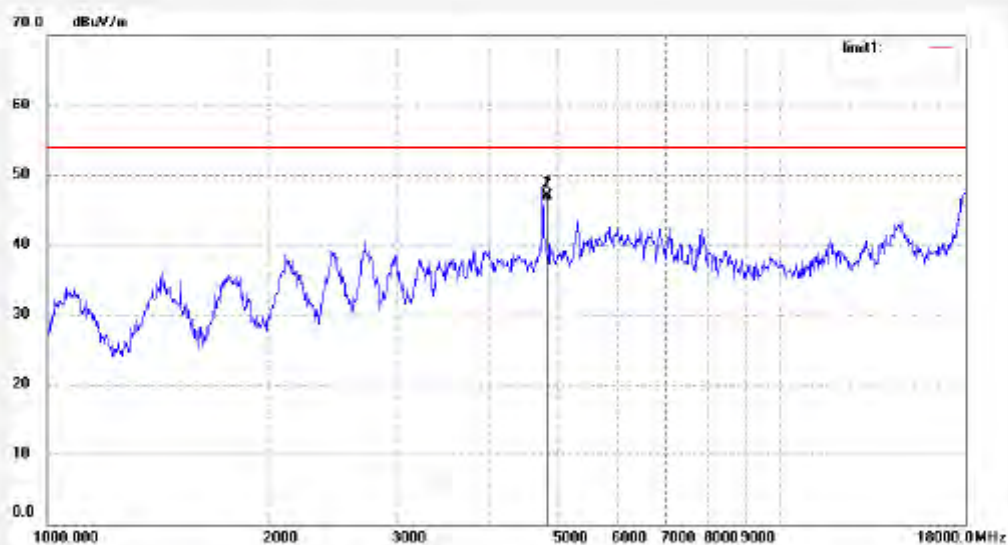
Date: 12/04/17/

Time: 9/48/33

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.000	47.14	-0.19	46.95	74.00	-27.05	peak			
2	4824.000	46.49	-0.19	46.30	54.00	-7.70	AVG			


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.: Bob #1608

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 1 (802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

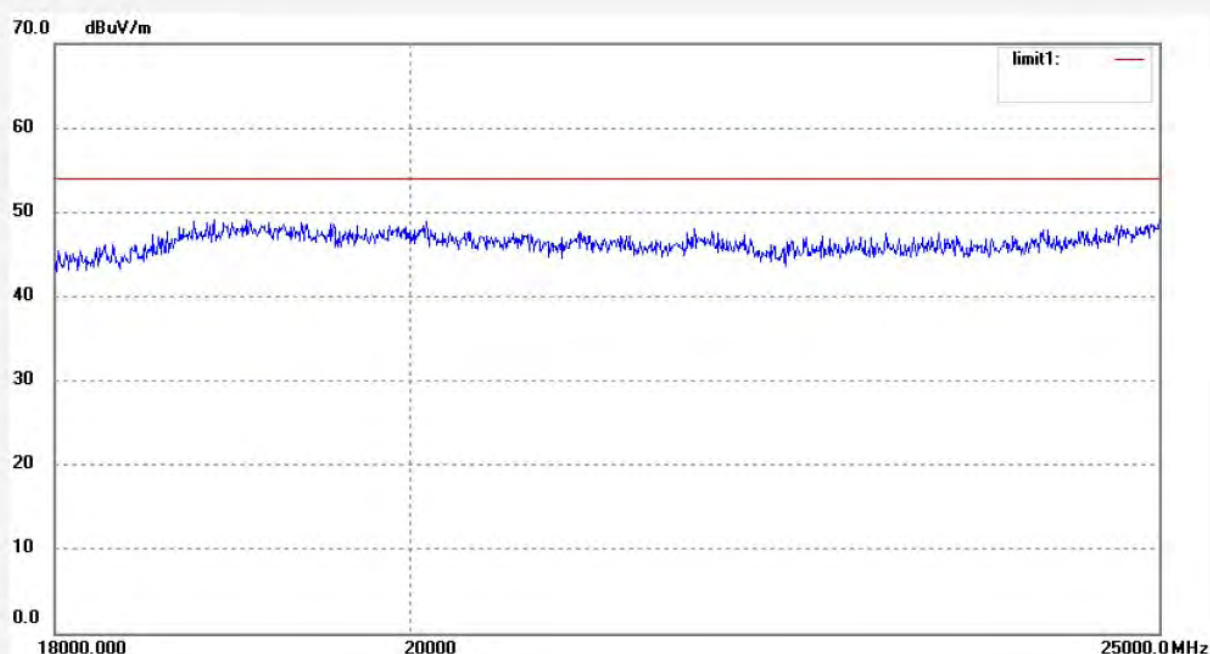
Date: 2012/04/27

Time: 10:35:56

Engineer Signature: STAR

Distance: 3m

Note: Report No.: ATE20120636



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.: Bob #1607

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 1 (802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

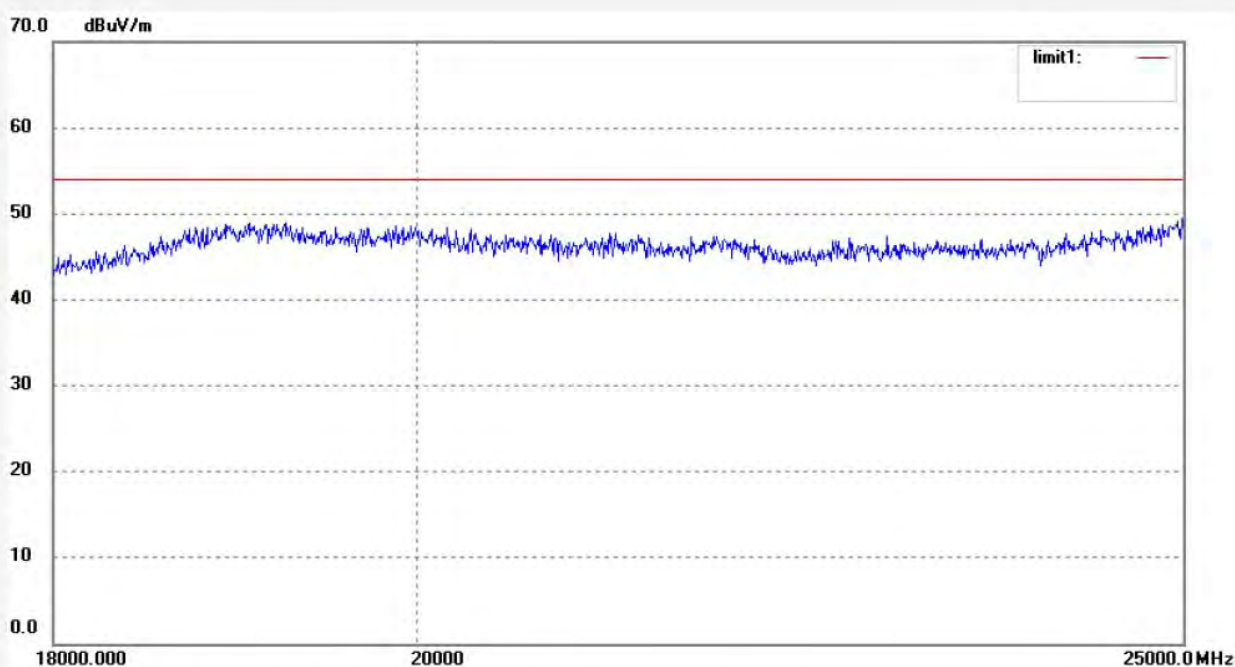
Date: 2012/04/27

Time: 10:32:05

Engineer Signature: STAR

Distance: 3m

Note: Report No.: ATE20120636



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.

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 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.(%) 24 C / 48 %

EUT: MID

Mode: TX CH6(802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

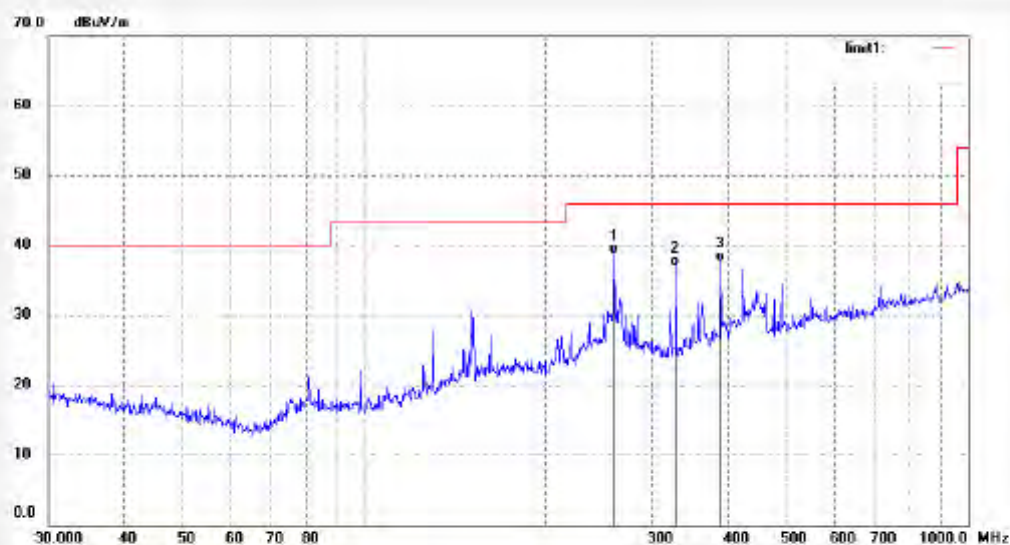
Date: 12/04/17/

Time: 8/45/34

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	20.16	18.52	38.68	46.00	-7.32	QP			
2	328.3068	17.27	19.69	36.96	46.00	-9.04	QP			
3	389.9873	15.75	21.88	37.63	46.00	-8.37	QP			


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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2044

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 12/04/17/

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 8/44/12

EUT: MID

Engineer Signature:

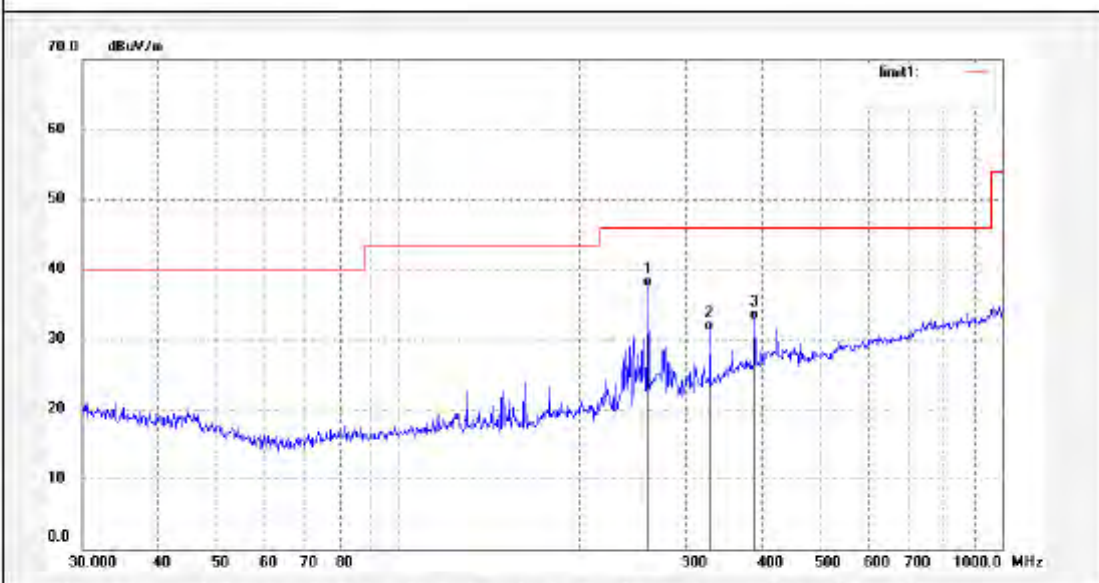
Mode: TX CH8(802.11g)

Distance: 3m

Model: TB782B

Manufacturer: BNB

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	19.06	18.52	37.58	46.00	-8.42	QP			
2	328.3068	11.62	19.69	31.31	46.00	-14.69	QP			
3	389.9873	10.97	21.88	32.85	46.00	-13.15	QP			


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 #2063

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH6(802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

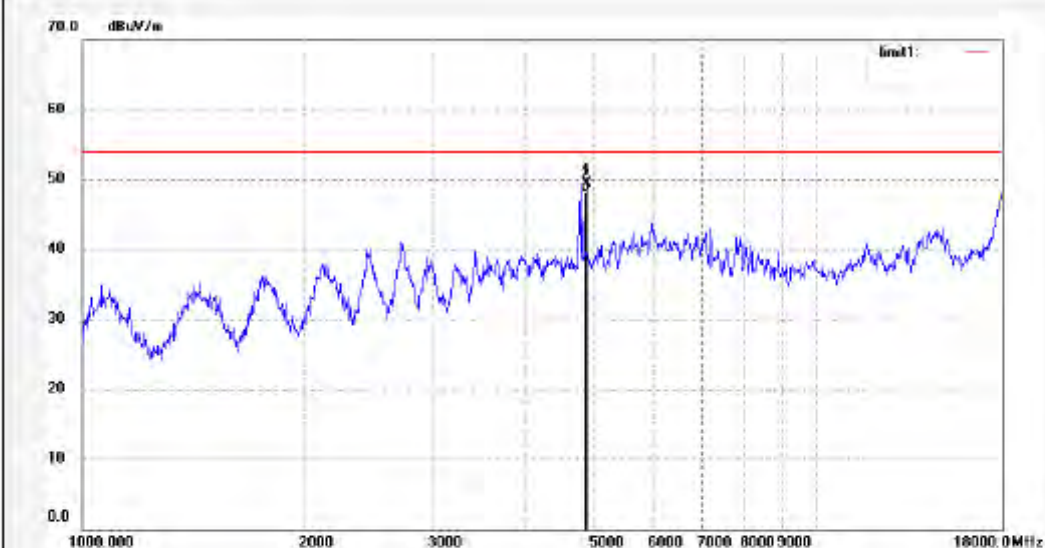
Date: 12/04/17/

Time: 10/10/05

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	49.42	0.09	49.51	74.00	-24.49	peak			
2	4874.000	48.13	0.09	48.22	54.00	-5.78	AVG			


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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 #2062

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH6(802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

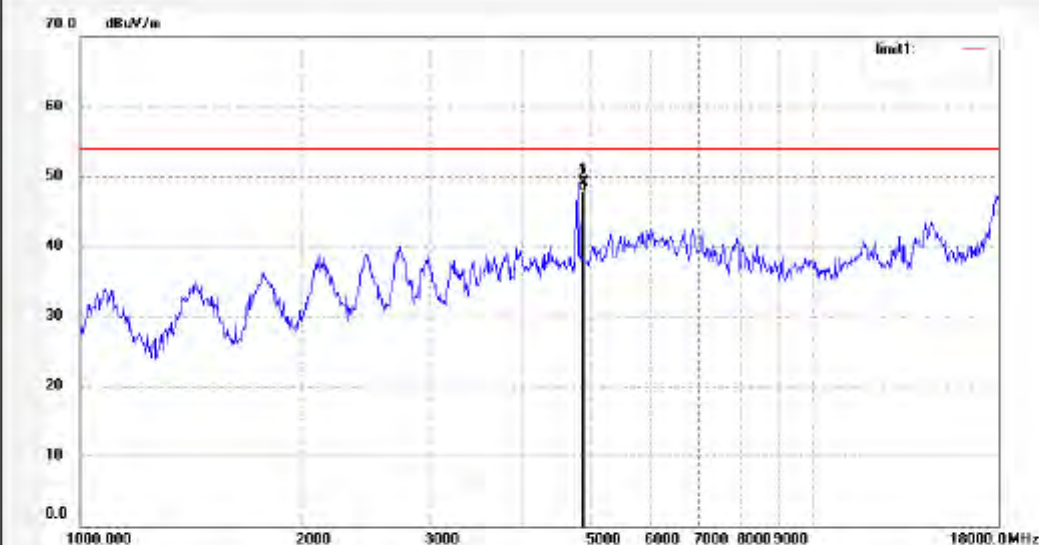
Date: 12/04/17/

Time: 10/08/29

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	49.02	0.09	49.11	74.00	-24.89	peak			
2	4874.000	47.85	0.09	47.94	54.00	-6.06	AVG			



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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.: Bob #1609

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 6 (802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

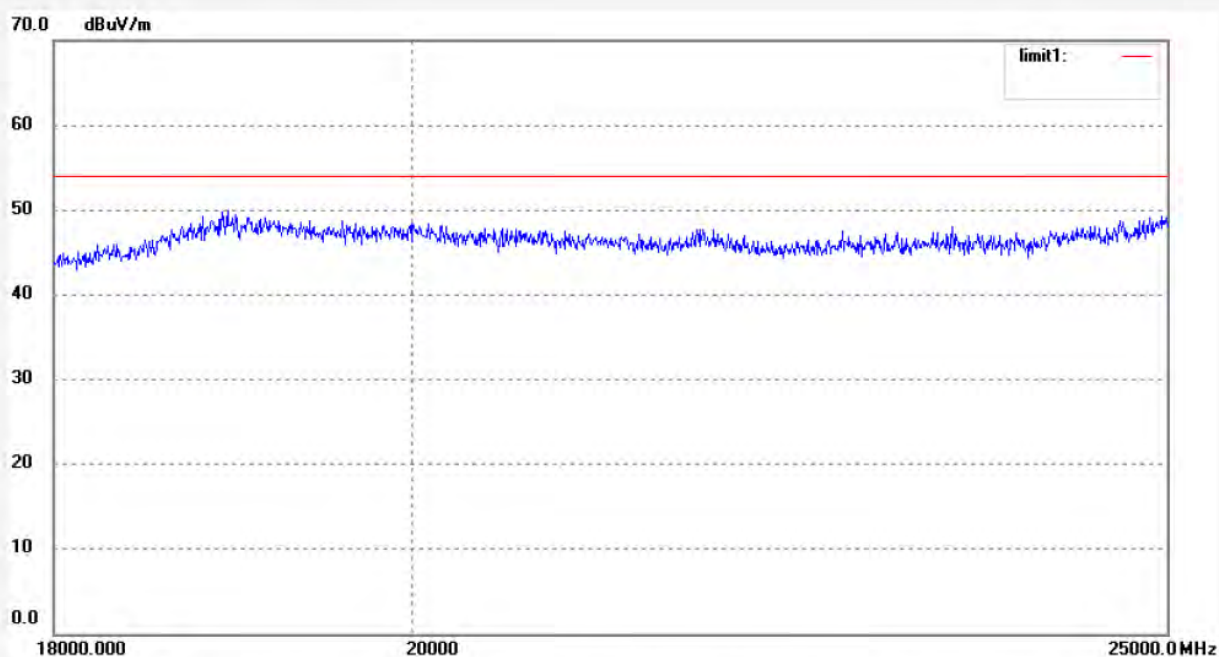
Date: 2012/04/27

Time: 10:38:38

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20120636



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.: Bob #1610

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 6 (802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

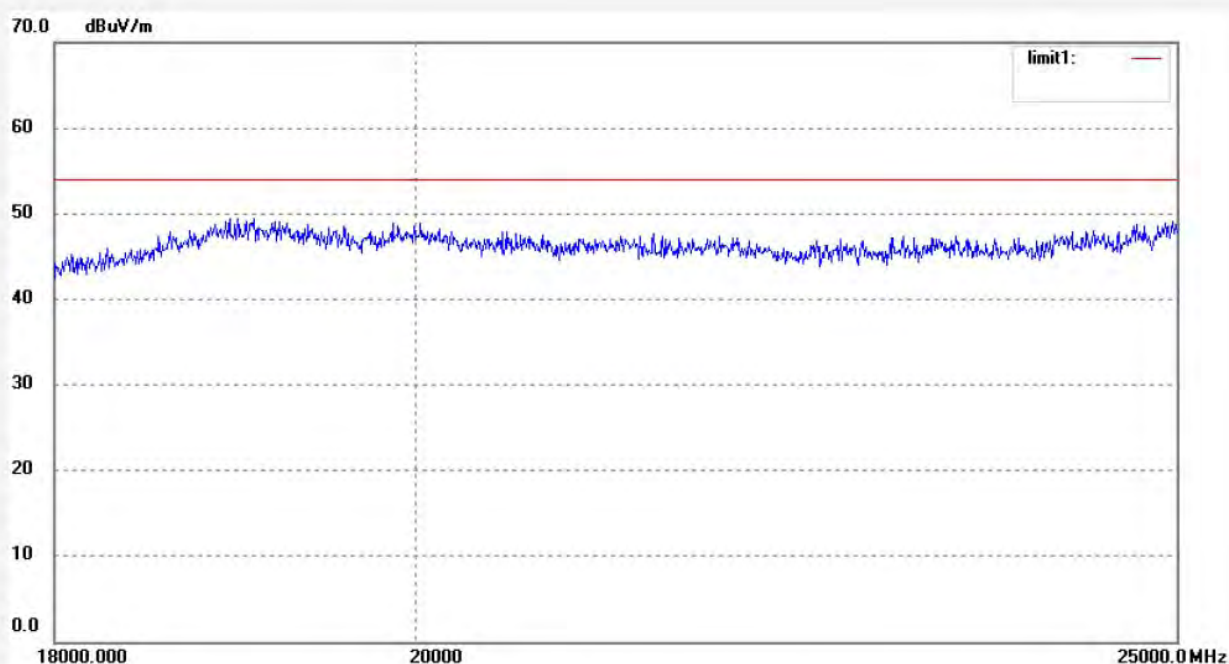
Date: 2012/04/27

Time: 10:43:17

Engineer Signature: STAR

Distance: 3m

Note: Report No.: ATE20120636



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.(%) 24 C / 48 %

EUT: MID

Mode: TX CH11(802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

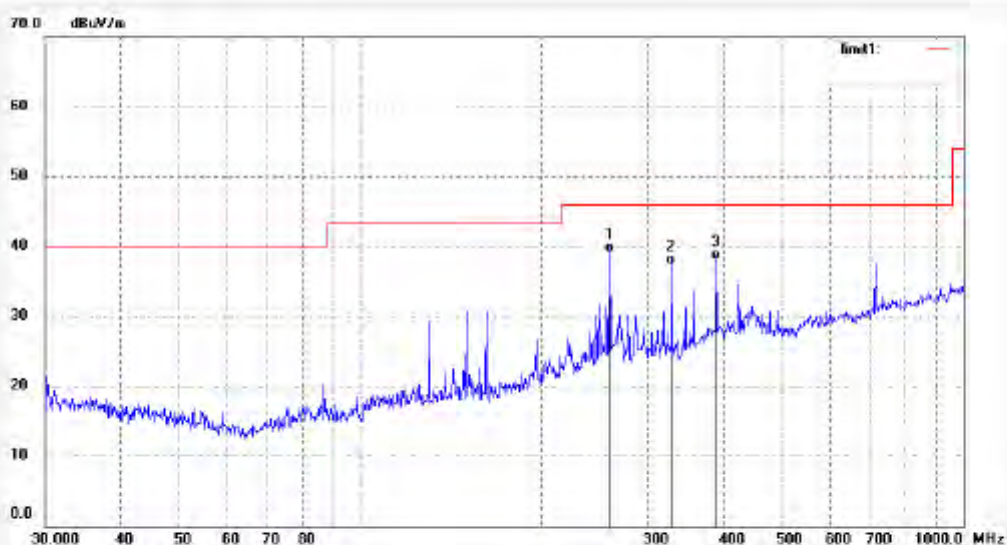
Date: 12/04/17/

Time: 8/46/03

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	20.64	18.52	39.16	46.00	-6.84	QP			
2	328.3068	17.71	19.69	37.40	46.00	-8.60	QP			
3	389.9873	16.14	21.88	38.02	46.00	-7.98	QP			


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.(%) 24 C / 48 %

EUT: MID

Mode: TX CH11(802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

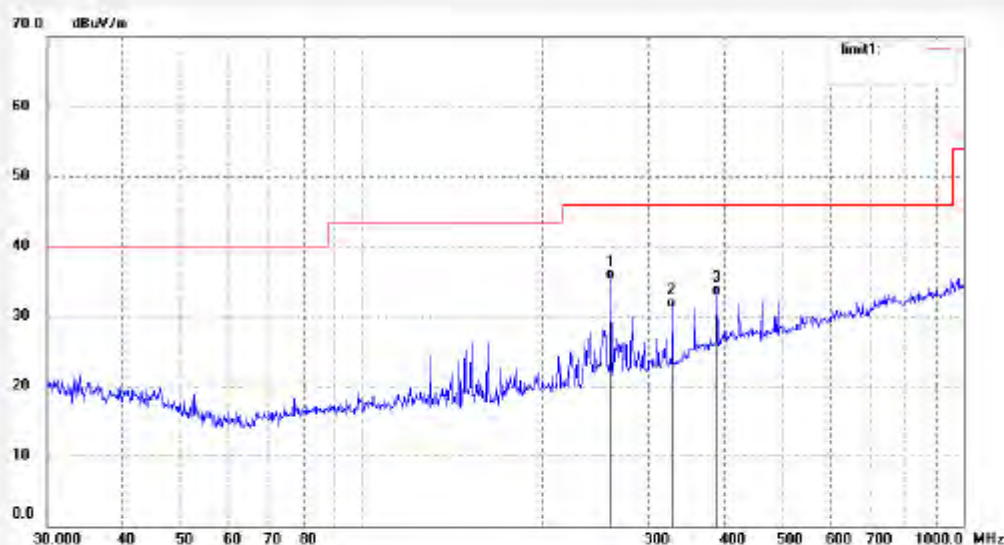
Date: 12/04/17/

Time: 8/47/08

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	16.76	18.52	35.28	46.00	-10.72	QP			
2	328.3068	11.47	19.69	31.16	46.00	-14.84	QP			
3	389.9873	11.10	21.88	32.98	46.00	-13.02	QP			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 986 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2069

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH11(802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

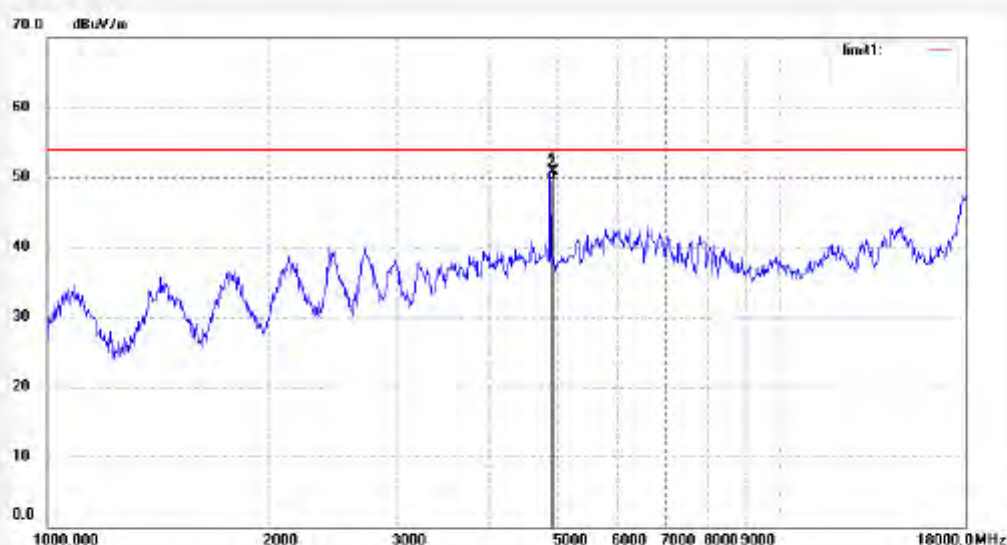
Date: 2012/04/17

Time: 12:18:28

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.000	50.42	0.34	50.76	74.00	-23.24	peak			
2	4924.000	49.25	0.34	49.59	54.00	-4.41	AVG			


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:+86-0755-28503290

Fax:+86-0755-28503396

Job No.: STAR #2088

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH11(802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

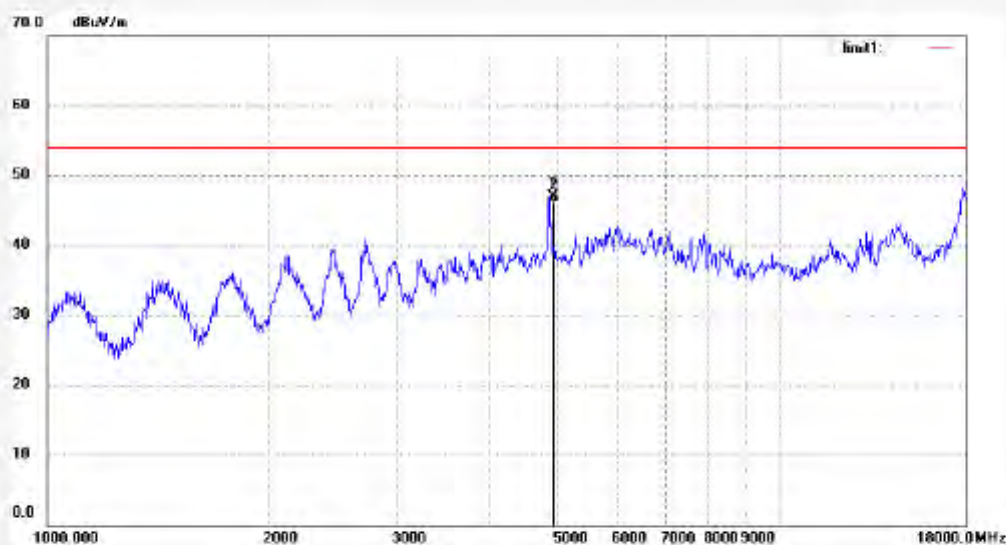
Date: 2012/04/17

Time: 12:17:30

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.000	46.87	0.34	47.01	74.00	-26.98	peak			
2	4924.000	45.83	0.34	46.17	54.00	-7.83	AVG			



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

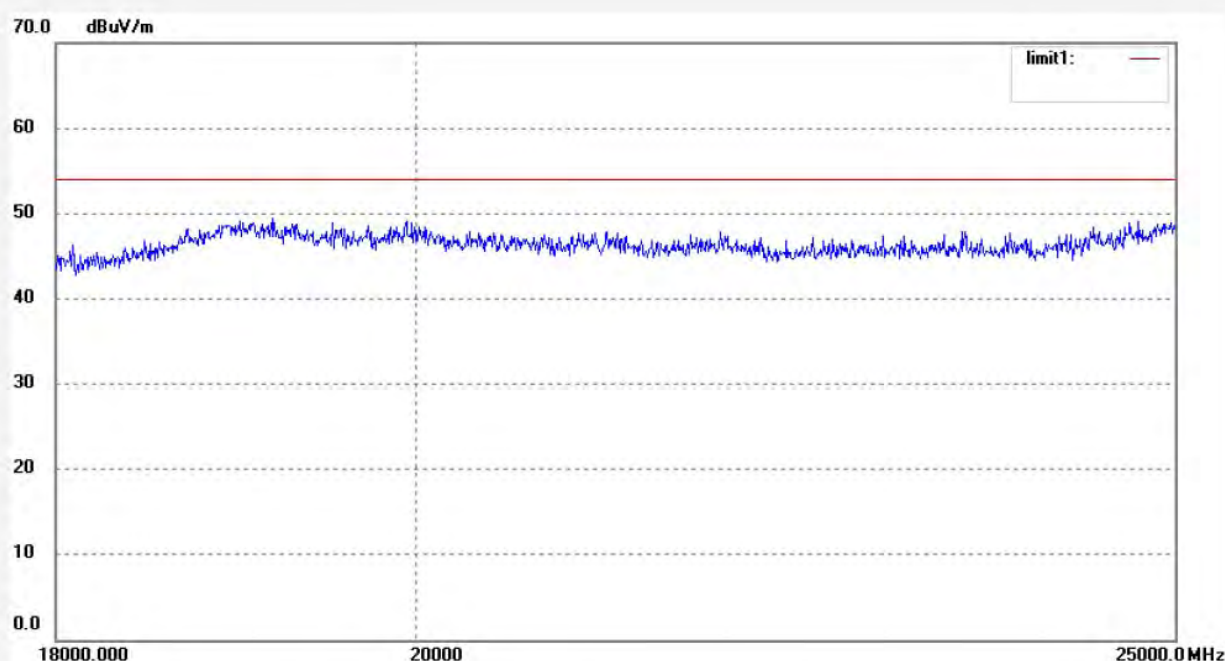
Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #1612	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2012/04/27
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 10:50:47
EUT: MID	Engineer Signature: STAR
Mode: TX Channel 11 (802.11g)	Distance: 3m
Model: TB782B	
Manufacturer: BNB	

Note: Report No.: ATE20120636



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.: Bob #1611

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 11 (802.11g)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

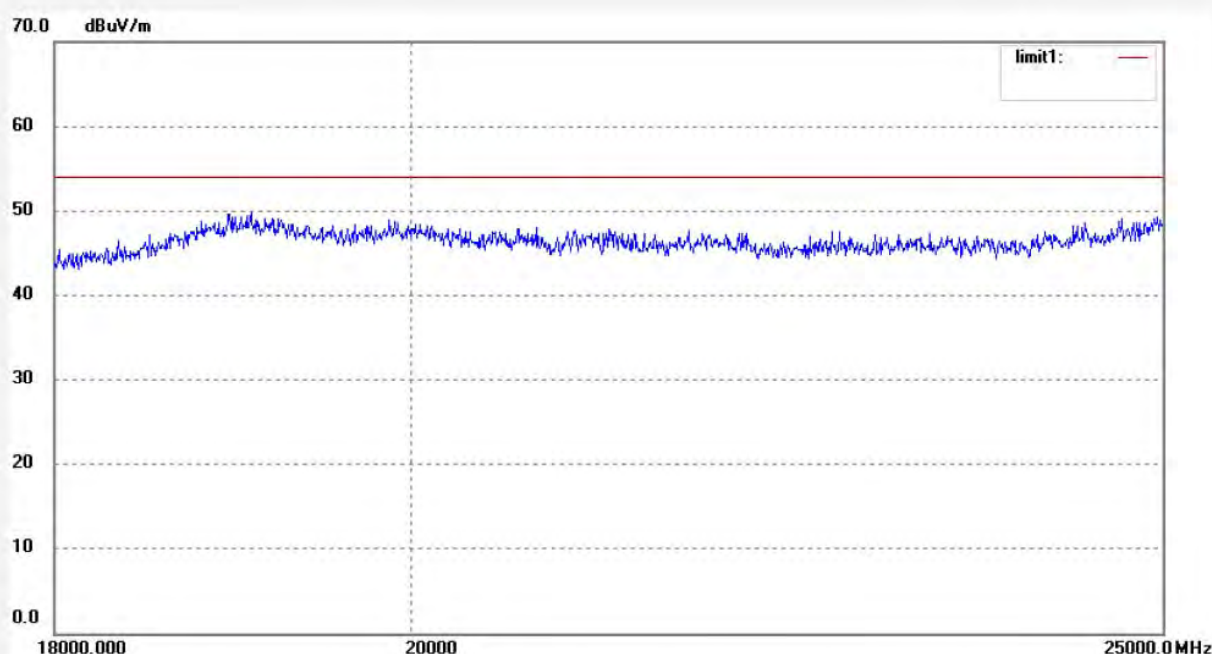
Date: 2012/04/27

Time: 10:47:55

Engineer Signature: STAR

Distance: 3m

Note: Report No.: ATE20120636



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 Fort Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 986 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2049

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH1(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

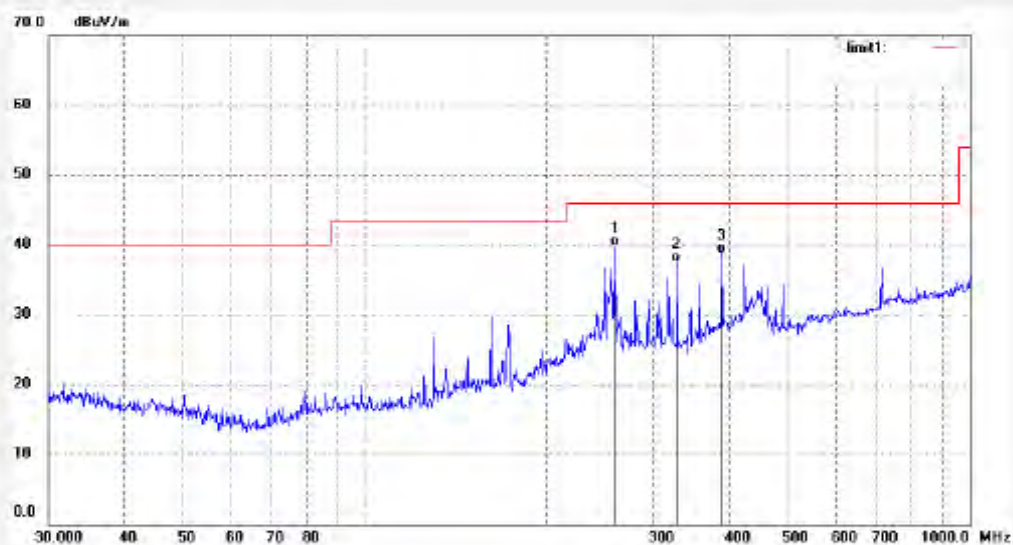
Date: 12/04/17/

Time: 8/49/47

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	21.38	18.52	39.90	46.00	-6.10	QP			
2	328.3068	17.77	19.69	37.46	46.00	-8.54	QP			
3	389.9873	16.85	21.88	38.73	46.00	-7.27	QP			


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.(%) 24 C / 48 %

EUT: MID

Mode: TX CH1(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

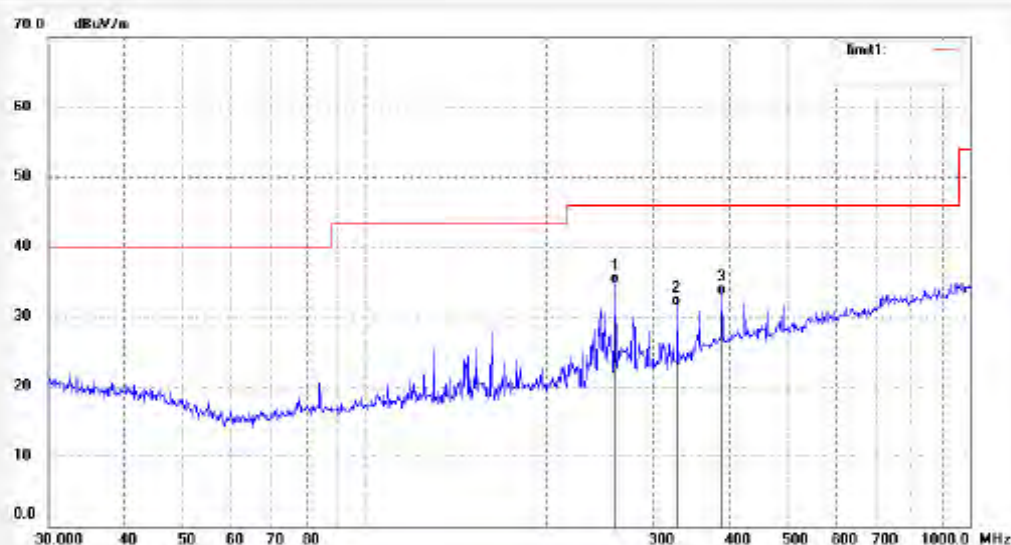
Date: 12/04/17/

Time: 8/48/45

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	16.28	18.52	34.80	46.00	-11.20	QP			
2	328.3068	11.95	19.69	31.64	46.00	-14.36	QP			
3	389.9873	11.27	21.88	33.15	46.00	-12.85	QP			


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 #2058

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 12/04/17/

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 9/53/44

EUT: MID

Engineer Signature:

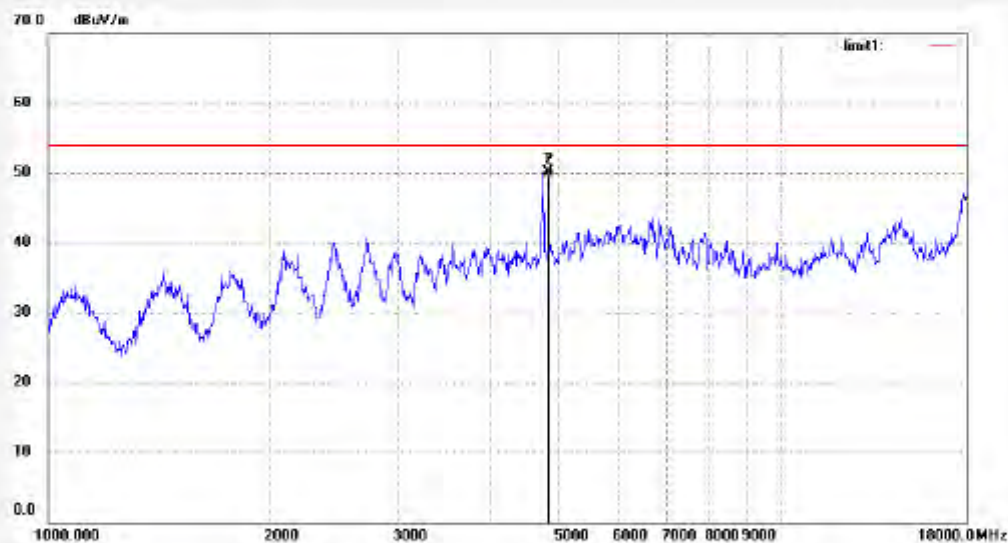
Mode: TX CH1(802.11n)

Distance: 3m

Model: TB782B

Manufacturer: BNB

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.000	50.34	-0.19	50.15	74.00	-23.85	peak			
2	4824.000	49.67	-0.19	49.48	54.00	-4.52	AVG			


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

Site: 986 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2059

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 12/04/17/

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 9/54/33

EUT: MID

Engineer Signature:

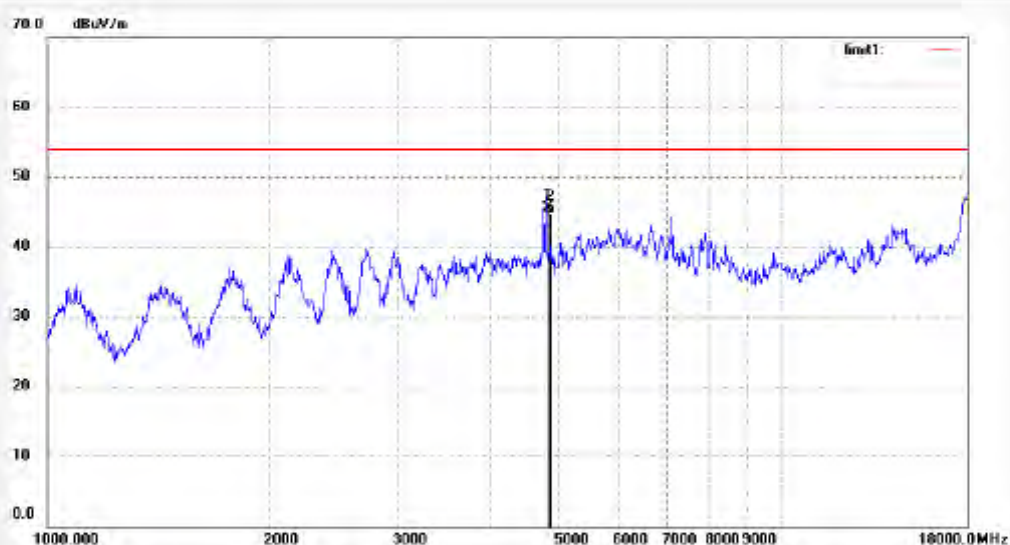
Mode: TX CH1(802.11n)

Distance: 3m

Model: TB782B

Manufacturer: BNB

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4824.000	45.71	-0.19	45.52	74.00	-28.48	peak			
2	4824.000	44.91	-0.19	44.72	54.00	-9.28	AVG			



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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.: Bob #1617

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX Channel 1 (802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

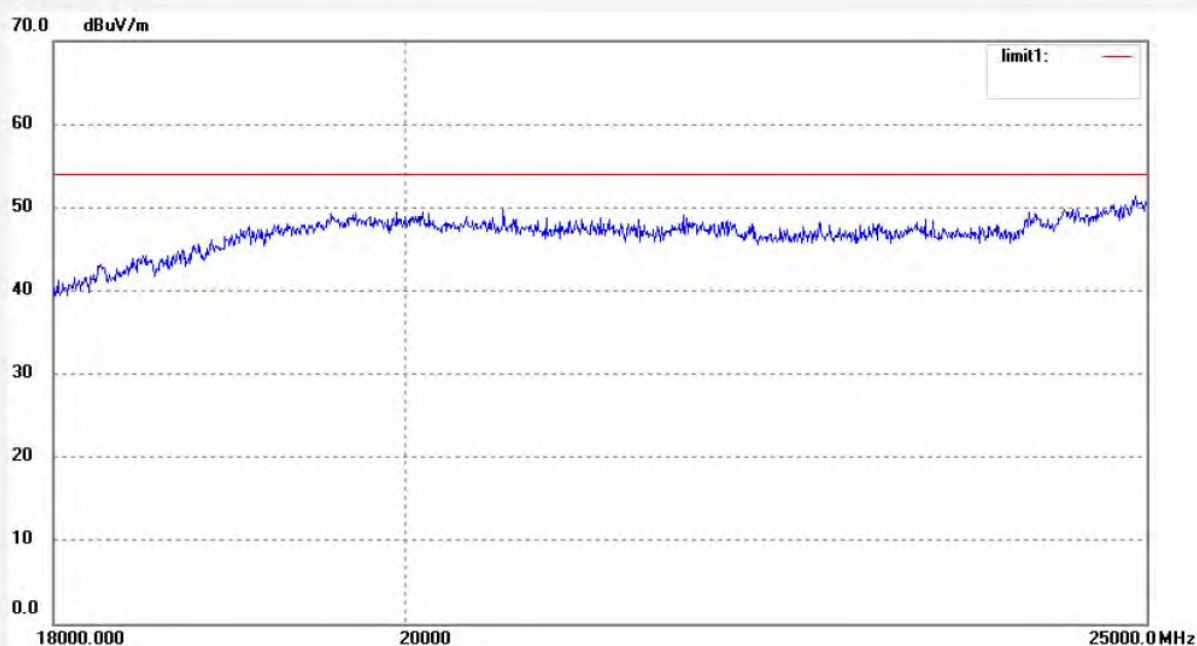
Date: 2012/04/27

Time: 11:09:37

Engineer Signature: STAR

Distance:

Note: Report No.:ATE20120636



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.: Bob #1618

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX Channel 1 (802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

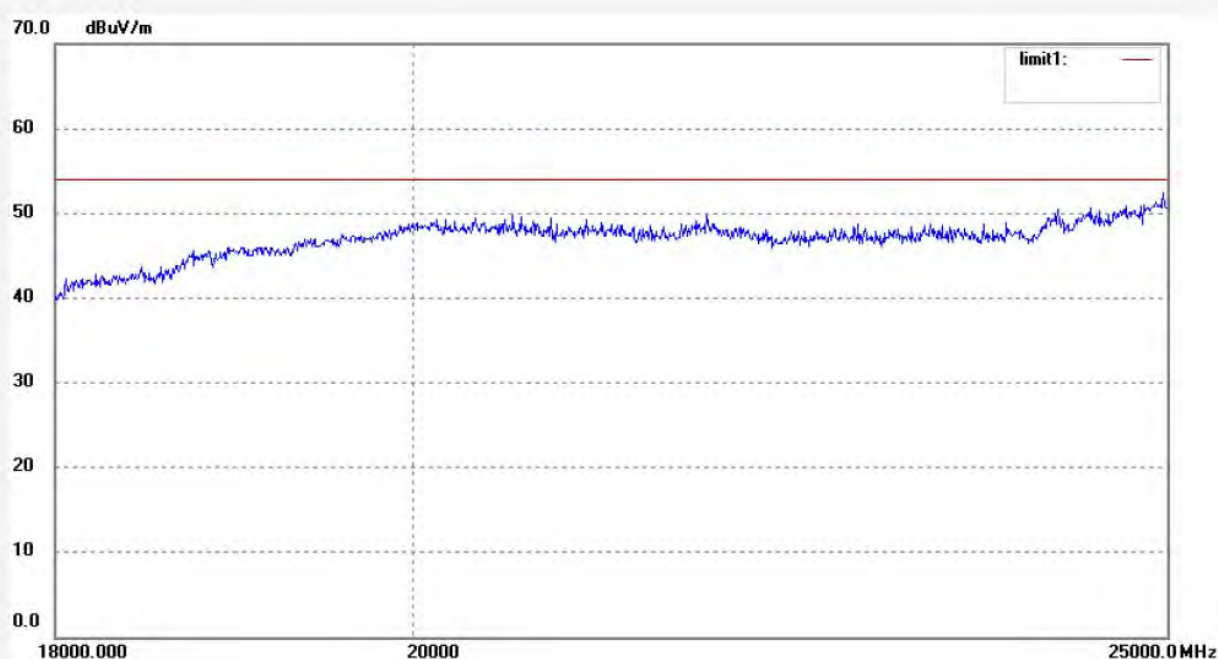
Date: 2012/04/27

Time: 11:14:41

Engineer Signature: STAR

Distance:

Note: Report No.:ATE20120636



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.

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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2050

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 12/04/17/

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 8/50/17

EUT: MID

Engineer Signature:

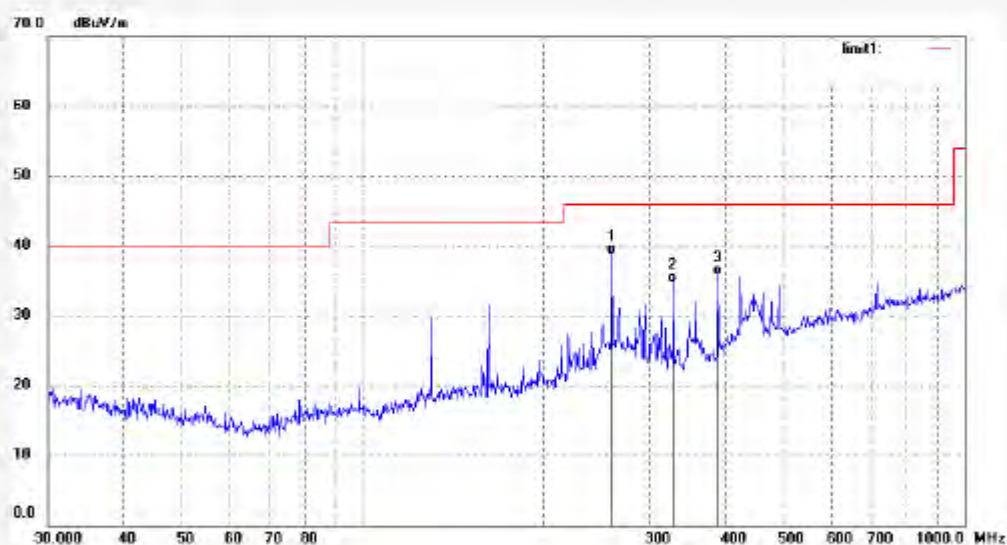
Mode: TX CH6(802.11n)

Distance: 3m

Model: TB782B

Manufacturer: BNB

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	20.24	18.52	38.76	46.00	-7.24	QP			
2	328.3068	14.99	19.69	34.68	46.00	-11.32	QP			
3	389.9873	13.91	21.88	35.79	46.00	-10.21	QP			


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

Site: 986 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2051

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH6(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

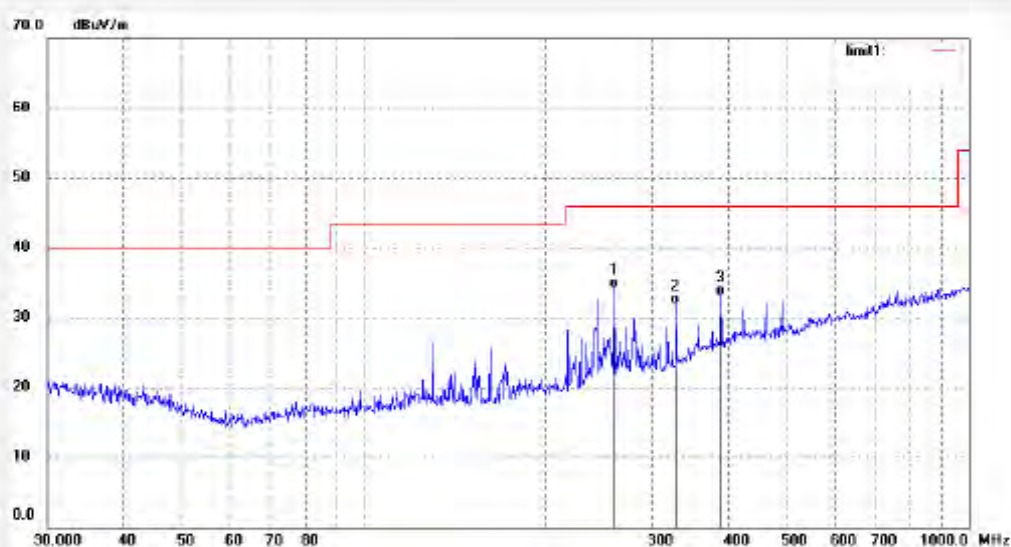
Date: 12/04/17/

Time: 8/51/27

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	15.69	18.52	34.21	46.00	-11.79	QP			
2	328.3068	12.30	19.69	31.99	46.00	-14.01	QP			
3	389.9873	11.37	21.88	33.25	46.00	-12.75	QP			


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

Site: 988 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2064

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH6(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

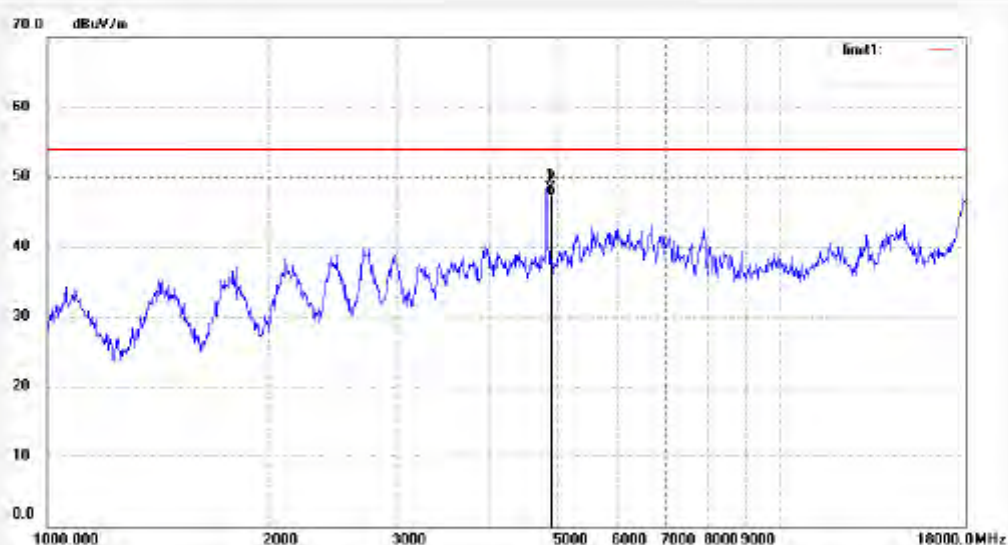
Date: 12/04/17/

Time: 10/12/53

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	48.32	0.09	48.41	74.00	-25.59	peak			
2	4874.000	47.28	0.09	47.37	54.00	-6.63	AVG			


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

Site: 986 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503398

Job No.: STAR #2065

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH6(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

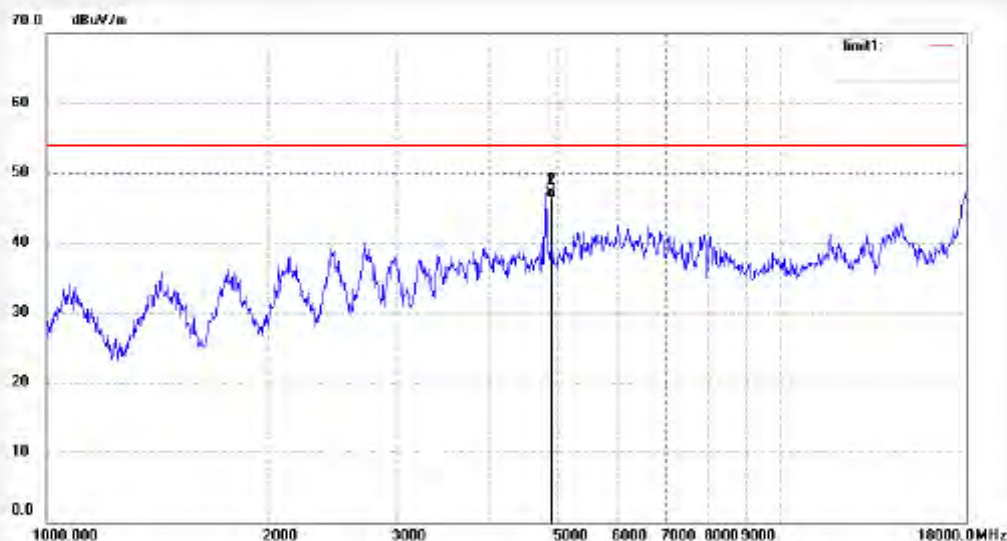
Date: 12/04/17/

Time: 10/13/16

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	47.03	0.09	47.12	74.00	-26.88	peak			
2	4874.000	46.35	0.09	46.44	54.00	-7.56	AVG			


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

Site: 966 chamber

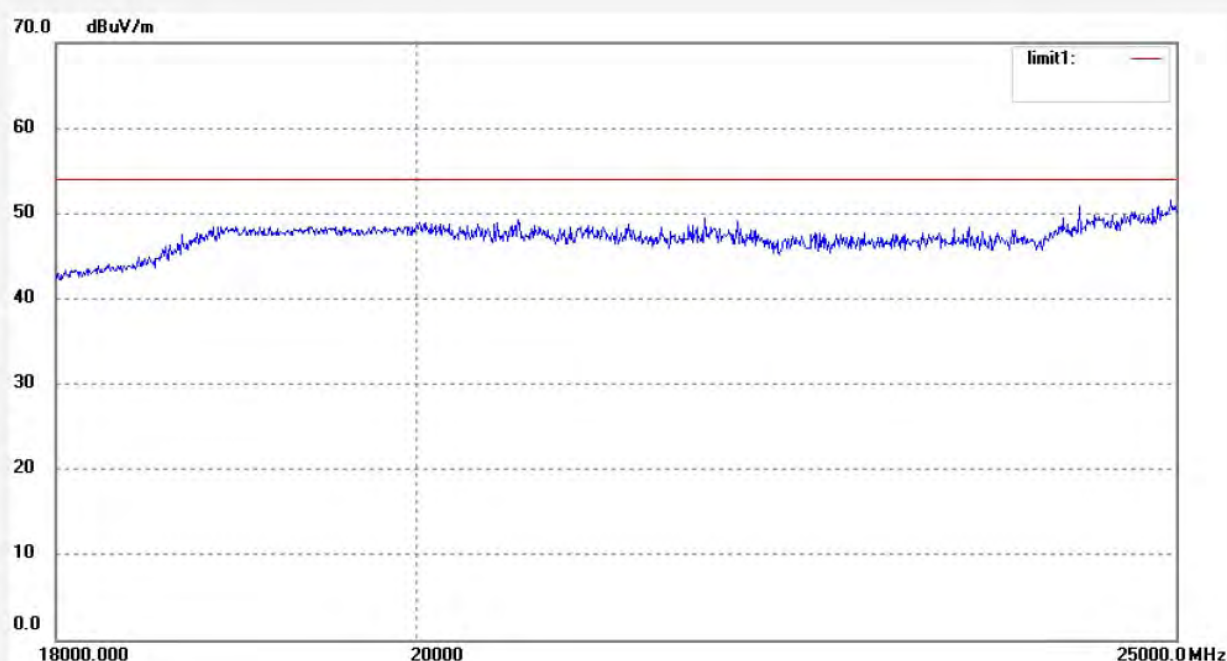
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Bob #1616
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 24 C / 48 %
EUT: MID
Mode: TX Channel 6 (802.11n)
Model: TB782B
Manufacturer: BNB

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2012/04/27
Time: 11:05:58
Engineer Signature: STAR
Distance:

Note: Report No.: ATE20120636



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.: Bob #1615

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX Channel 6 (802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

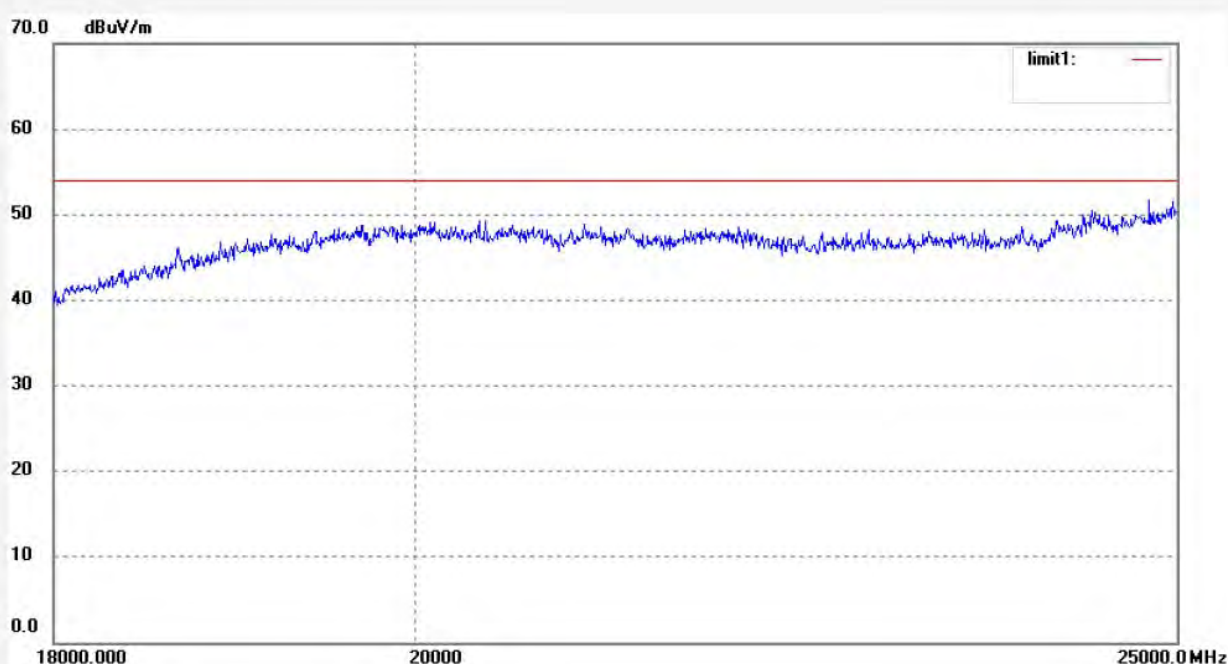
Date: 2012/04/27

Time: 11:02:36

Engineer Signature: STAR

Distance:

Note: Report No.: ATE20120636



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 #2053

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH11(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

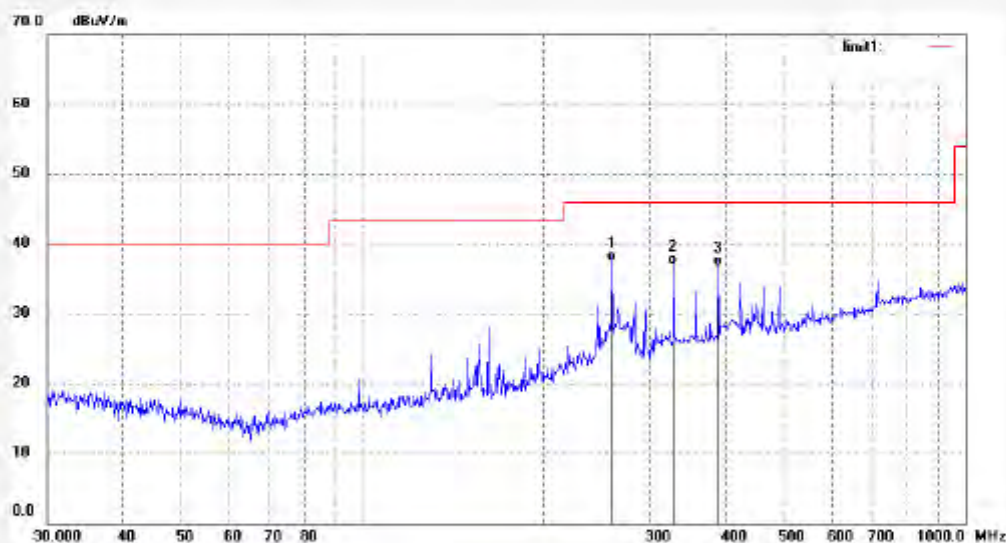
Date: 12/04/17/

Time: 8/53/00

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	19.05	18.52	37.57	46.00	-8.43	QP			
2	328.3068	17.33	19.69	37.02	46.00	-8.98	QP			
3	389.9873	14.94	21.88	36.82	46.00	-9.18	QP			


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

Site: 986 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2052

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH11(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

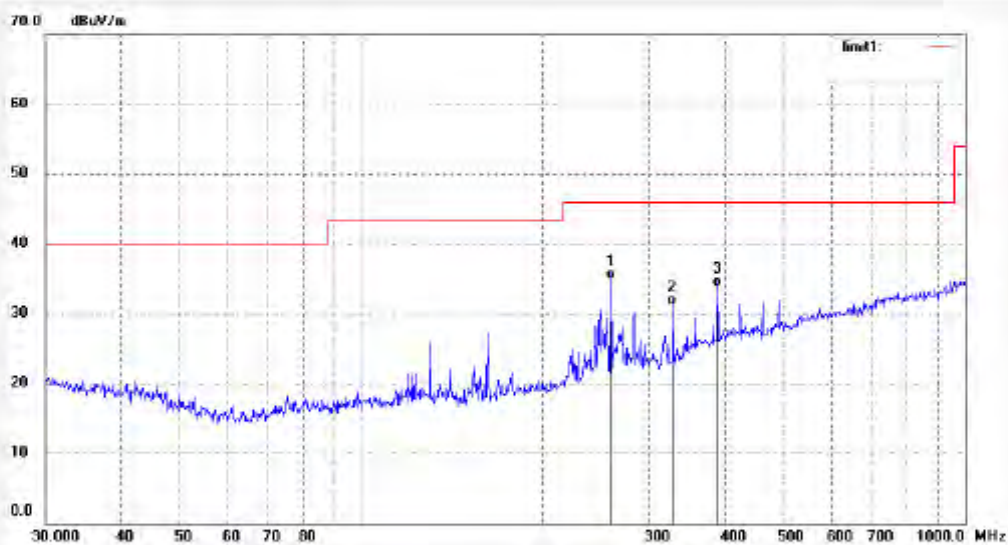
Date: 12/04/17/

Time: 8/52/25

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	259.4433	16.46	18.52	34.98	48.00	-11.02	QP			
2	328.3068	11.50	19.69	31.19	48.00	-14.81	QP			
3	389.9873	11.98	21.88	33.86	48.00	-12.14	QP			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 986 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2070

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 2012/04/17

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 12:19:28

EUT: MID

Engineer Signature:

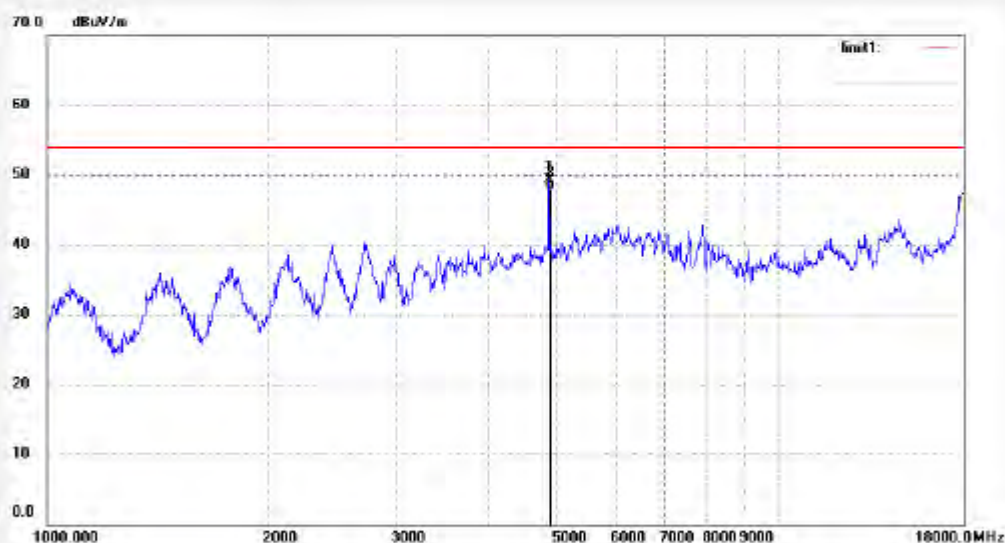
Mode: TX CH11(802.11n)

Distance: 3m

Model: TB782B

Manufacturer: BNB

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.000	49.13	0.34	49.46	74.00	-24.54	peak			
2	4924.000	47.59	0.34	47.93	54.00	-6.07	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 968 chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: STAR #2071

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH11(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

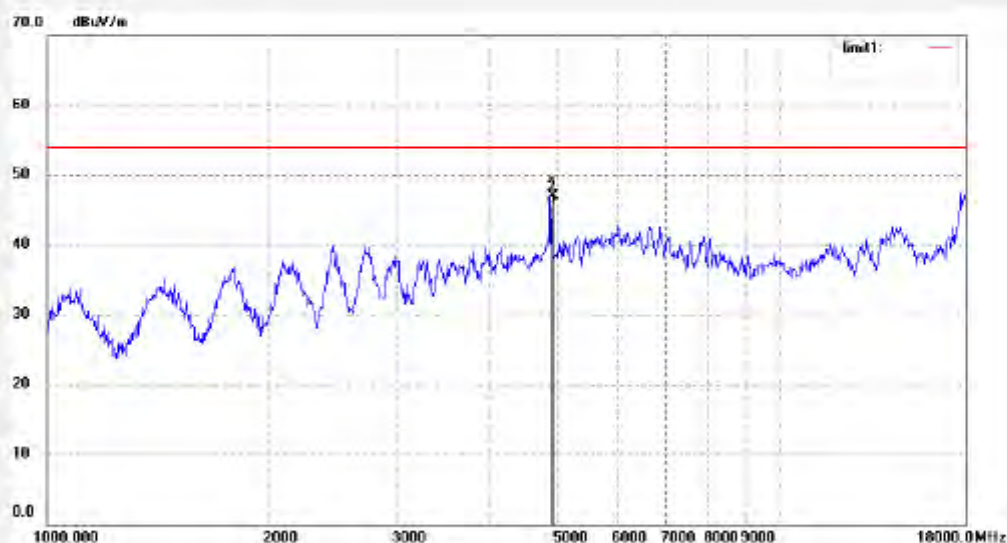
Date: 2012/04/17

Time: 12:20:11

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4924.000	48.58	0.34	48.92	74.00	-27.08	peak			
2	4924.000	45.42	0.34	45.76	54.00	-8.24	AVG			

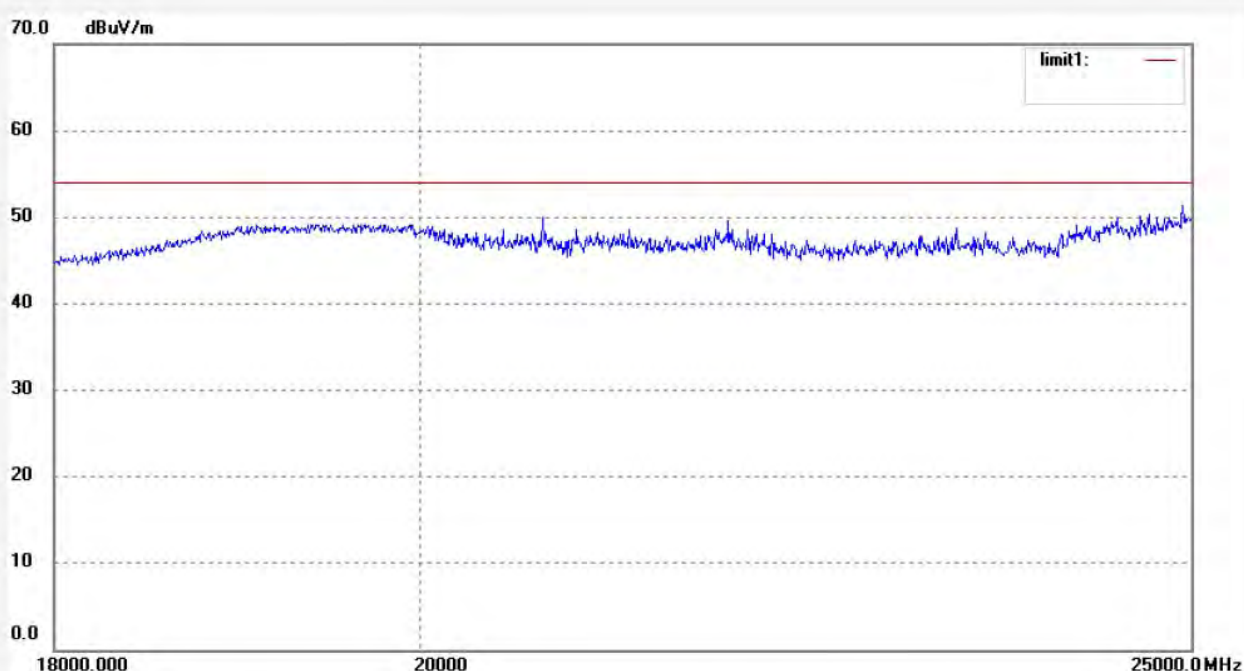

ACCURATE TECHNOLOGY CO., LTD.

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.: Bob #1613	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 2012/04/27
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 10:53:17
EUT: MID	Engineer Signature: STAR
Mode: TX Channel 11 (802.11n)	Distance:
Model: TB782B	
Manufacturer: BNB	

Note: Report No.: ATE20120636



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.: Bob #1614

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX Channel 11 (802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

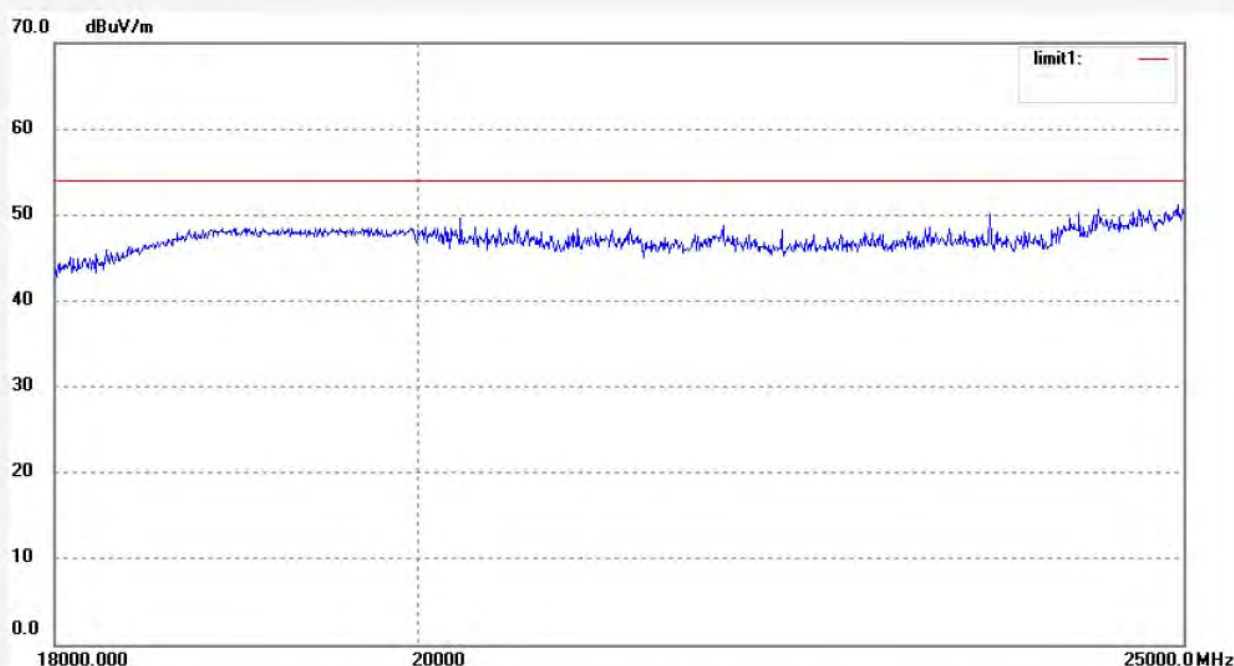
Date: 2012/04/27

Time: 10:57:05

Engineer Signature: STAR

Distance:

Note: Report No.:ATE20120636



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: 968 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2114

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH3(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

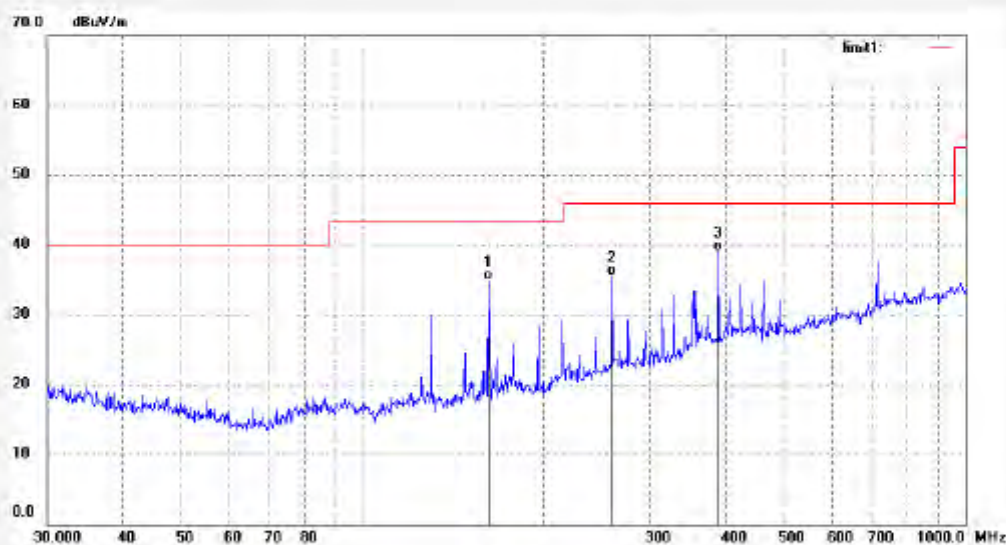
Date: 12/04/26/

Time: 12/24/35

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	162.0197	20.25	14.62	34.87	43.50	-8.63	QP			
2	259.4433	17.02	18.52	35.54	46.00	-10.46	QP			
3	389.9873	17.26	21.88	39.14	46.00	-6.86	QP			


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

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2115

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH3(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

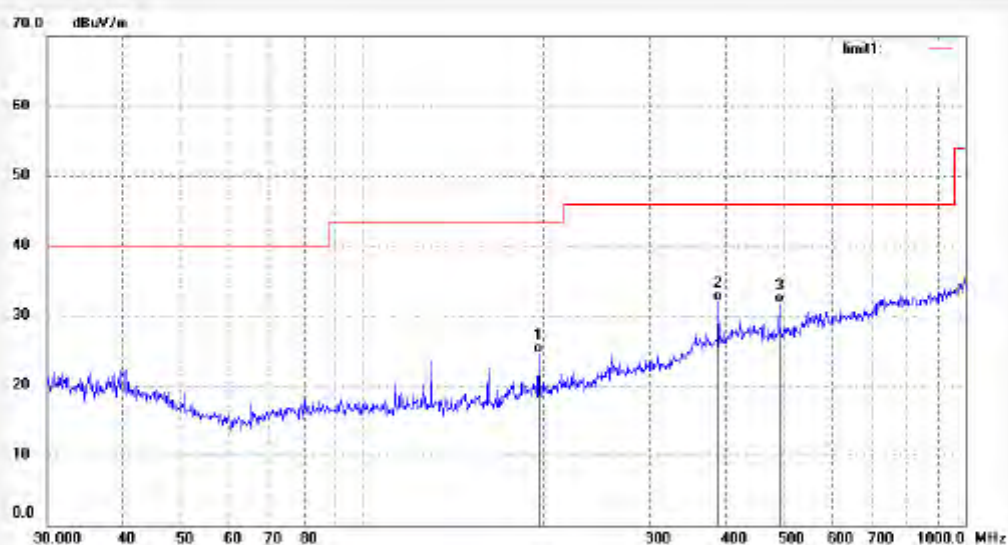
Date: 12/04/26/

Time: 12/25/23

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	195.8701	8.47	16.14	24.61	43.50	-18.89	QP			
2	389.9873	10.22	21.88	32.10	46.00	-13.90	QP			
3	491.7699	7.84	23.94	31.78	46.00	-14.22	QP			


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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 #2112

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH3(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

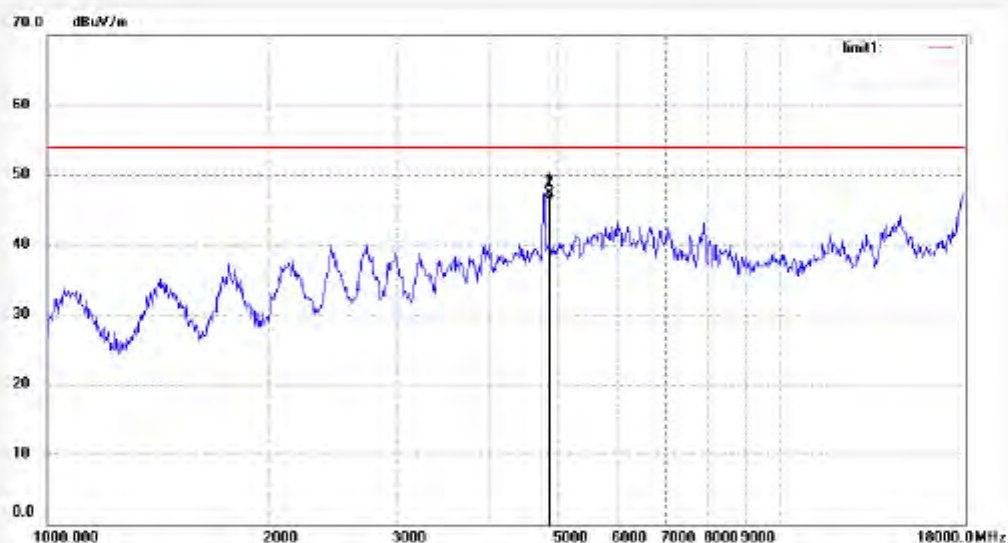
Date: 12/04/26/

Time: 12/16/51

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4844.000	47.38	-0.08	47.30	74.00	-26.70	peak			
2	4844.000	46.47	-0.08	46.39	54.00	-7.61	AVG			


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

Site: 986 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2113

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH3(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

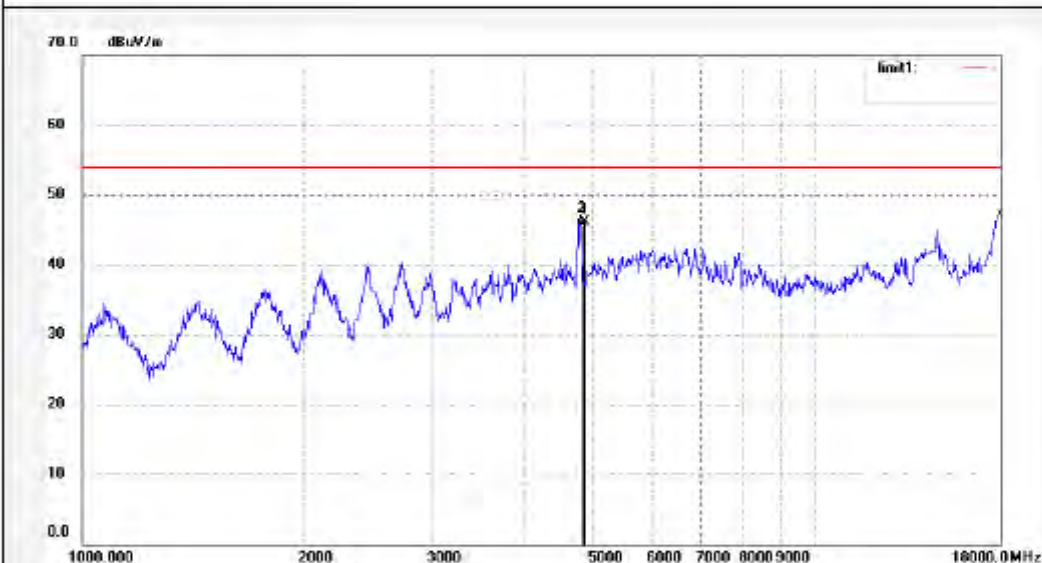
Date: 12/04/26/

Time: 12/17/31

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4844.000	46.26	-0.08	46.18	74.00	-27.82	peak			
2	4844.000	45.66	-0.08	45.58	54.00	-8.42	AVG			



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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.: RTTE #5916

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 3 (802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

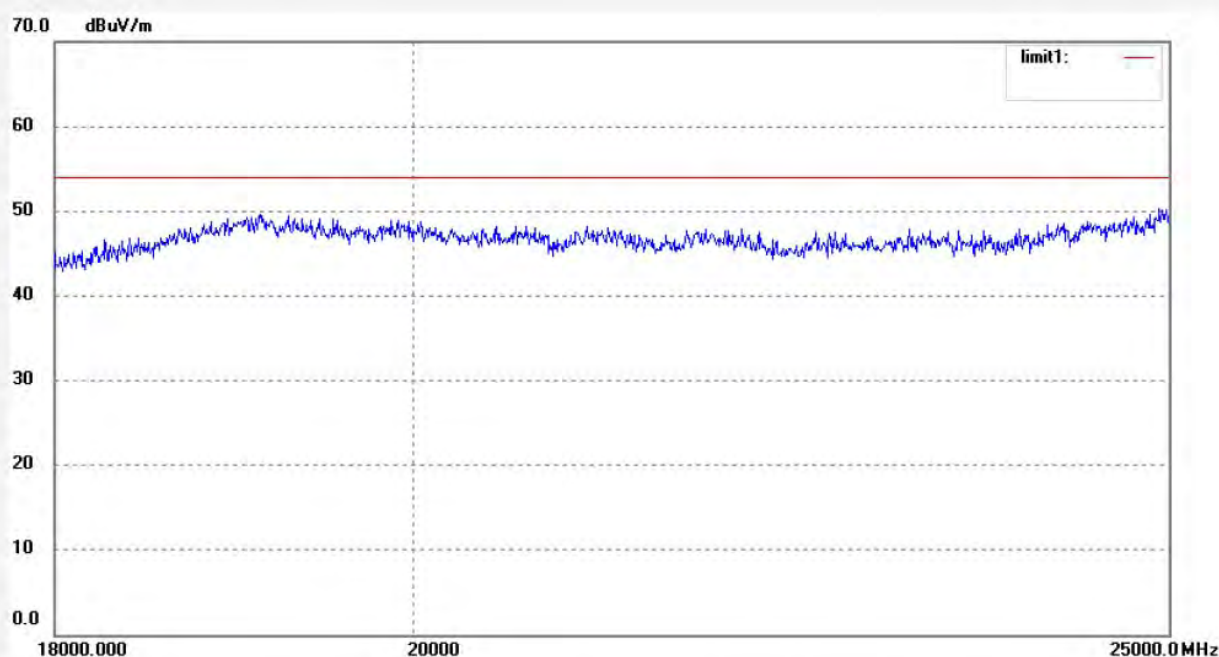
Date: 2012/04/27

Time: 11:52:09

Engineer Signature: STAR

Distance:

Note: Report No.:ATE20120636



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.: RTTE #5917

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 3 (802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

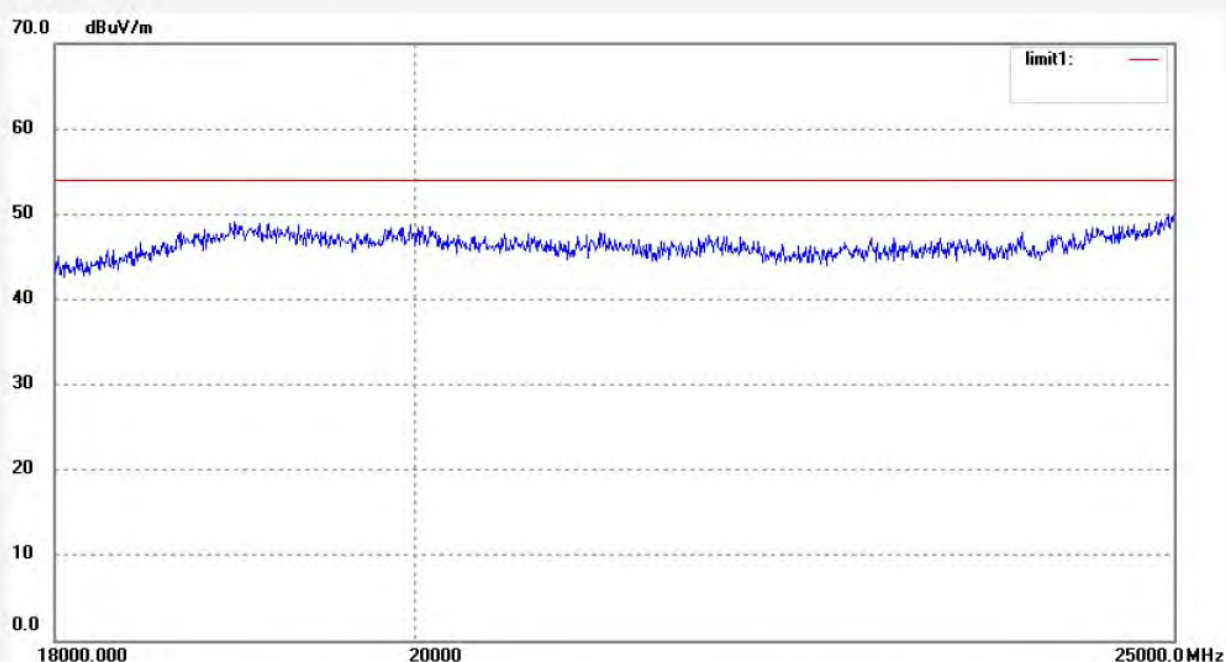
Date: 2012/04/27

Time: 11:56:43

Engineer Signature: STAR

Distance:

Note: Report No.: ATE20120636



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: 986 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2117

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH8(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

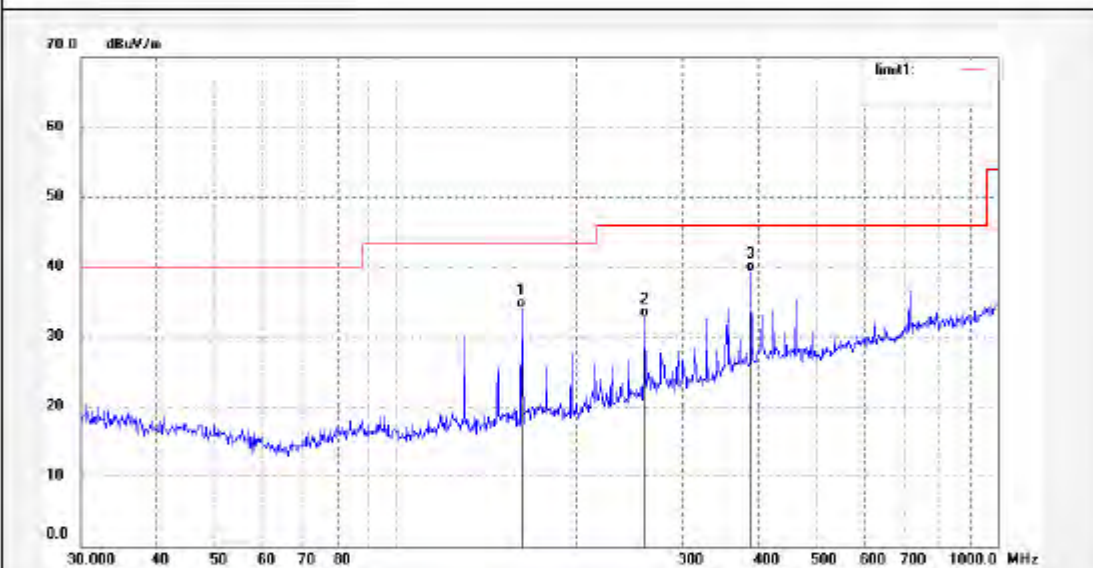
Date: 12/04/26/

Time: 12/26/37

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	162.0197	19.35	14.62	33.97	43.50	-9.53	QP			
2	259.4433	14.37	18.52	32.89	46.00	-13.11	QP			
3	389.9873	17.47	21.88	39.35	46.00	-6.65	QP			


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

Site: 988 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2116

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH6(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

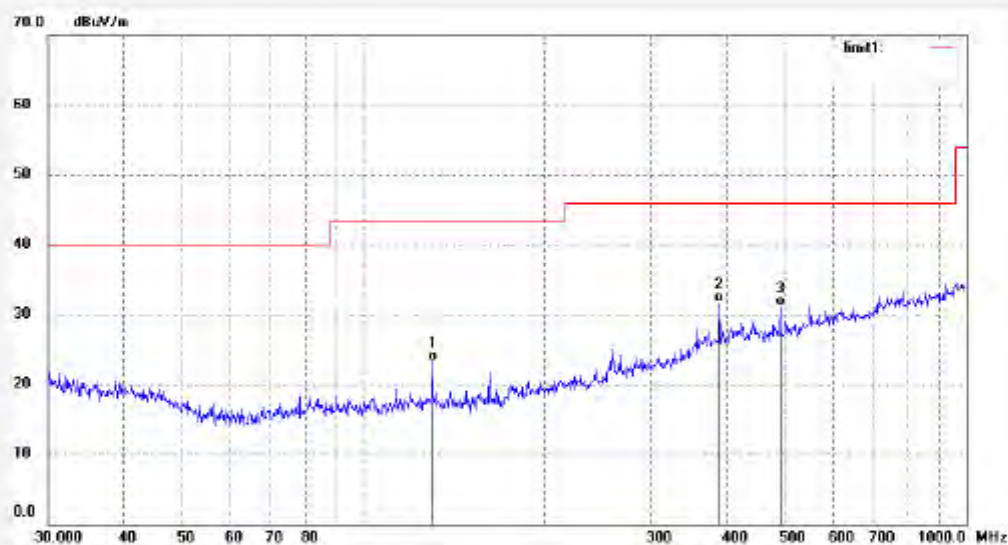
Date: 12/04/26/

Time: 12/25/59

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	130.3048	8.52	14.89	23.41	43.50	-20.09	QP			
2	389.9873	9.85	21.88	31.73	46.00	-14.27	QP			
3	491.7699	7.36	23.94	31.30	46.00	-14.70	QP			


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 #2111

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH8(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

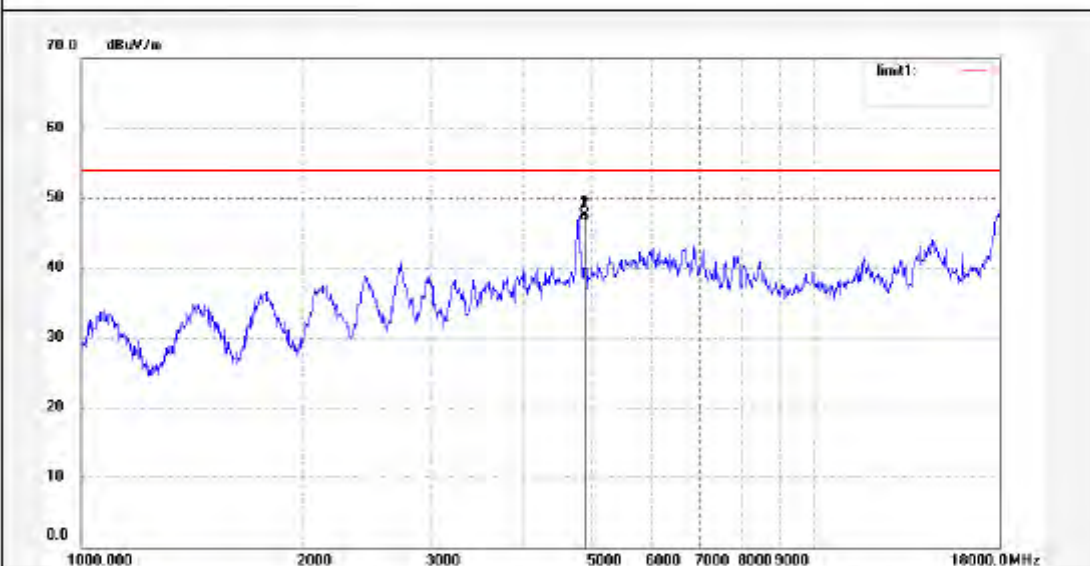
Date: 12/04/26/

Time: 12/15/41

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	-47.46	0.09	47.55	74.00	-26.45	peak			
2	4874.000	-46.59	0.09	46.68	54.00	-7.32	AVG			


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 988 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2110

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH8(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

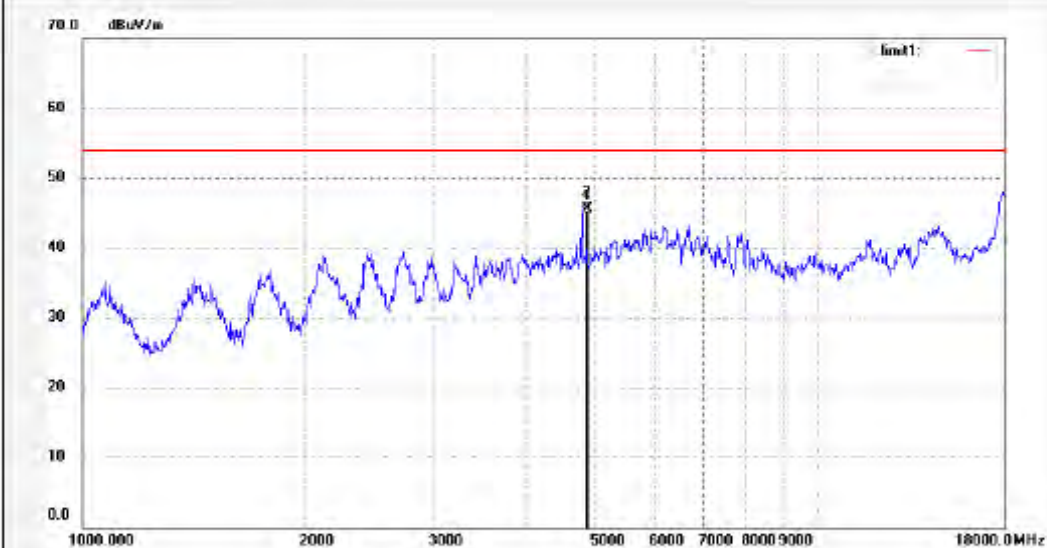
Date: 12/04/26/

Time: 12/14/43

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4874.000	45.45	0.09	45.54	74.00	-28.46	peak			
2	4874.000	45.40	0.09	45.49	54.00	-8.51	AVG			



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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.: RTTE #5919

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 6 (802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

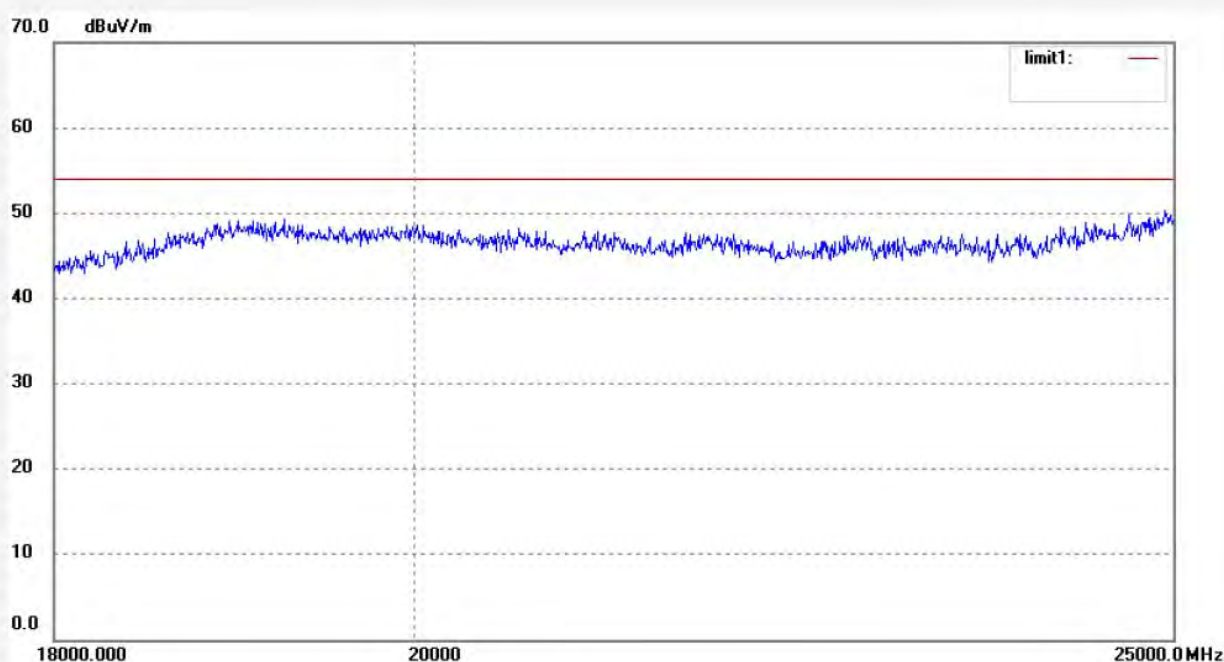
Date: 2012/04/27

Time: 12:05:30

Engineer Signature: STAR

Distance:

Note: Report No.:ATE20120636



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.: RTTE #5918

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 6 (802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

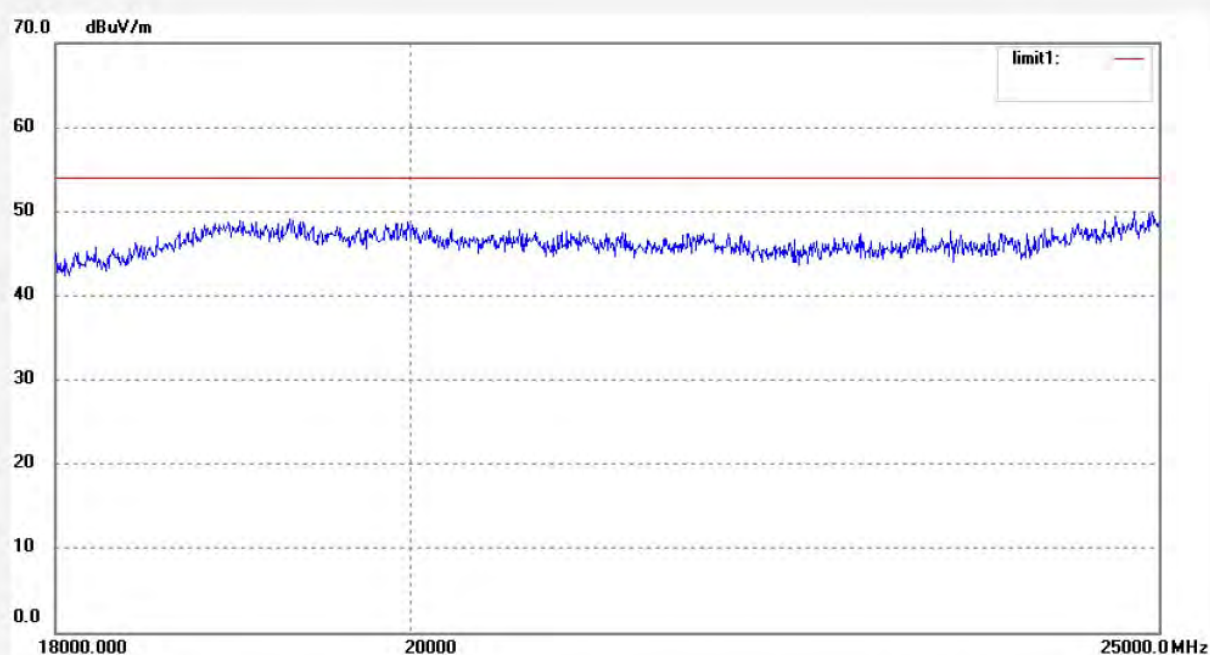
Date: 2012/04/27

Time: 12:01:19

Engineer Signature: STAR

Distance:

Note: Report No.:ATE20120636



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 #2118

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 12/04/26/

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 12/27/12

EUT: MID

Engineer Signature:

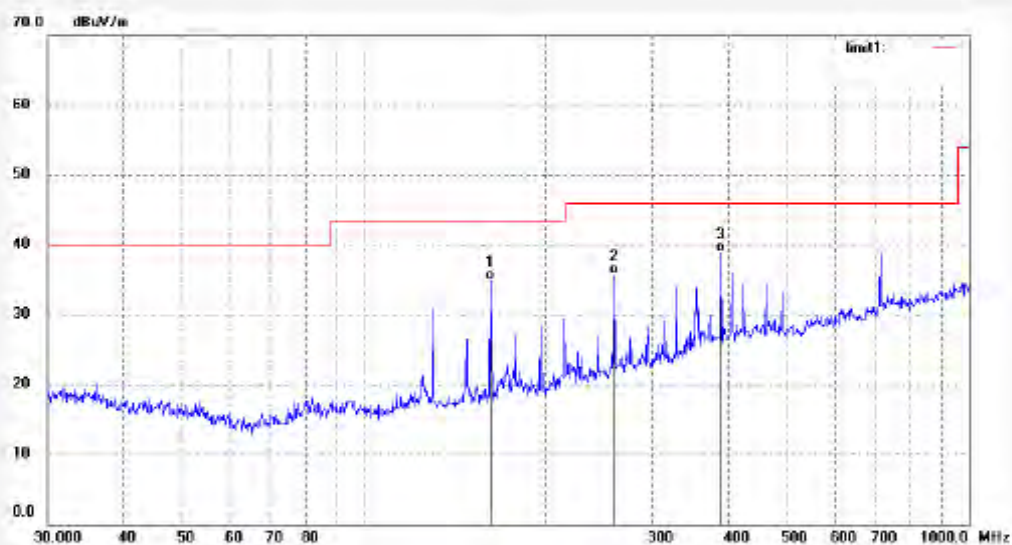
Mode: TX CH9(802.11n)

Distance: 3m

Model: TB782B

Manufacturer: BNB

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	162.0197	20.36	14.62	34.98	43.50	-8.52	QP			
2	259.4433	17.30	18.52	35.82	46.00	-10.18	QP			
3	389.9873	17.13	21.88	39.01	46.00	-6.99	QP			


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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 #2119

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 12/04/26/

Temp.(C)/Hum.(%) 24 C / 48 %

Time: 12/28/08

EUT: MID

Engineer Signature:

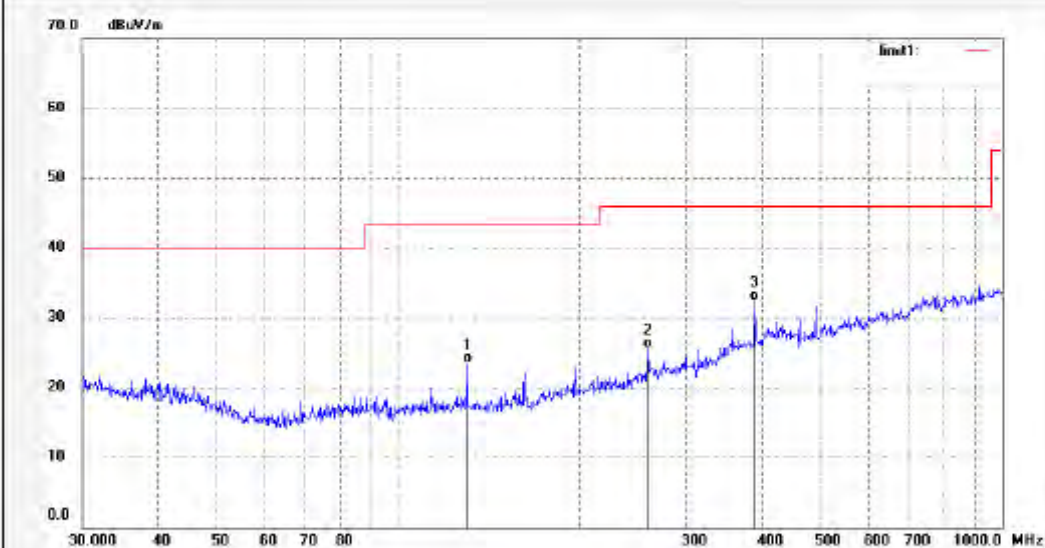
Mode: TX CH9(802.11n)

Distance: 3m

Model: TB782B

Manufacturer: BNB

Note: Report No.:ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	130.3048	8.71	14.89	23.60	43.50	-19.90	QP			
2	259.4433	7.14	18.52	25.66	46.00	-20.34	QP			
3	389.9873	10.51	21.88	32.39	46.00	-13.61	QP			


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 #2108

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH9(802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

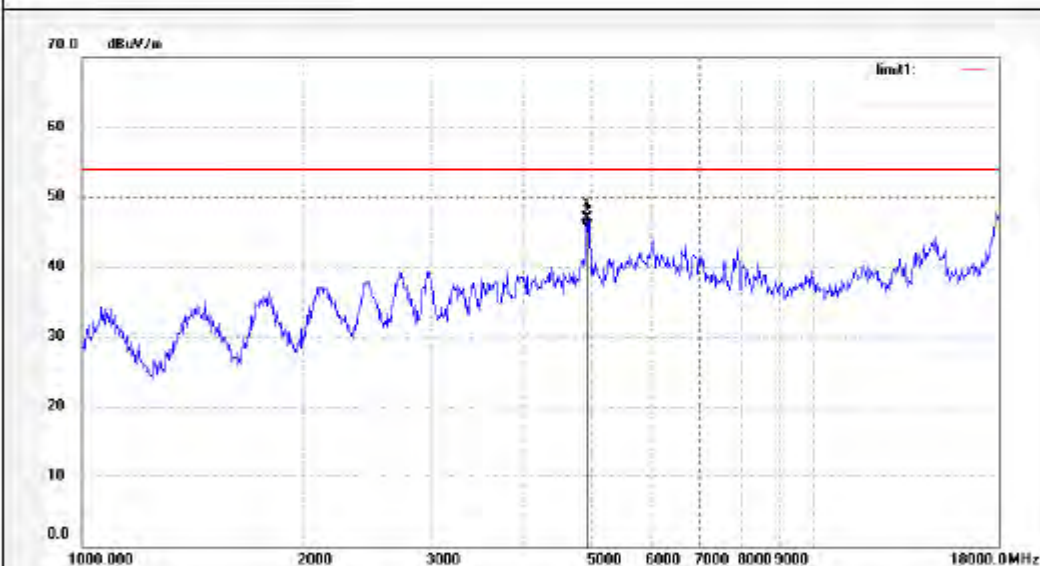
Date: 12/04/26/

Time: 12/12/40

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4904.000	46.74	0.25	46.99	74.00	-27.01	peak			
2	4904.000	45.28	0.25	45.53	54.00	-8.47	AVG			


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 #2109

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 24 C / 48 %

EUT: MID

Mode: TX CH9(902.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

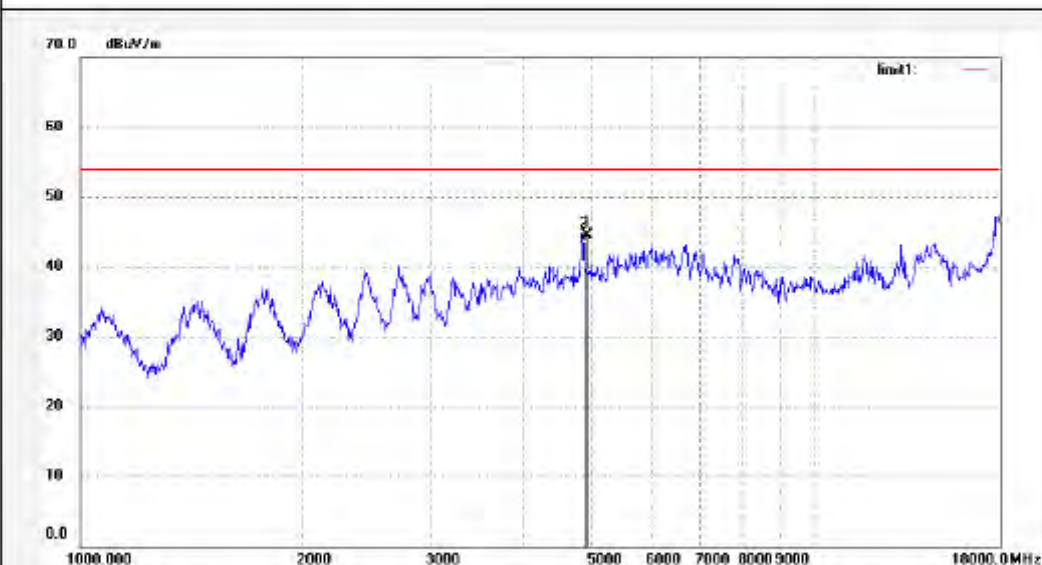
Date: 12/04/26/

Time: 12/13/31

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20120636



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4904.000	44.27	0.25	44.52	74.00	-29.48	peak			
2	4904.000	43.49	0.25	43.74	54.00	-10.26	AVG			


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.: RTTE #5920

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 9 (802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Horizontal

Power Source: DC 3.7V

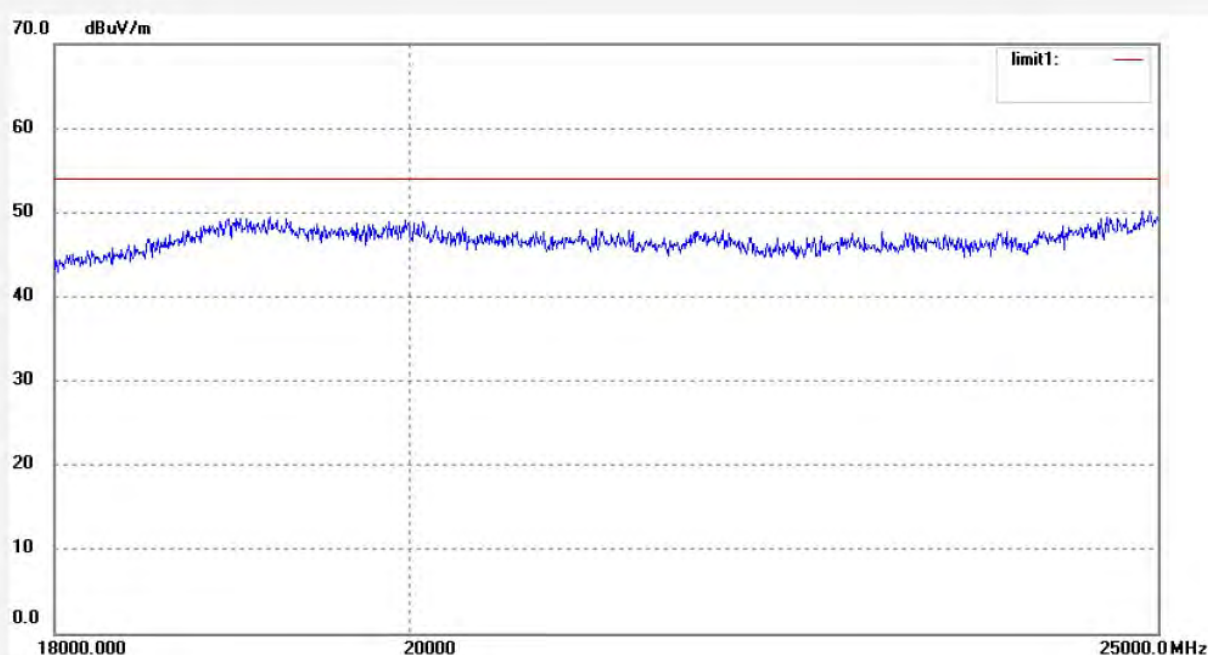
Date: 2012/04/27

Time: 12:10:41

Engineer Signature: STAR

Distance:

Note: Report No.:ATE20120636



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.: RTTE #5921

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: MID

Mode: TX Channel 9 (802.11n)

Model: TB782B

Manufacturer: BNB

Polarization: Vertical

Power Source: DC 3.7V

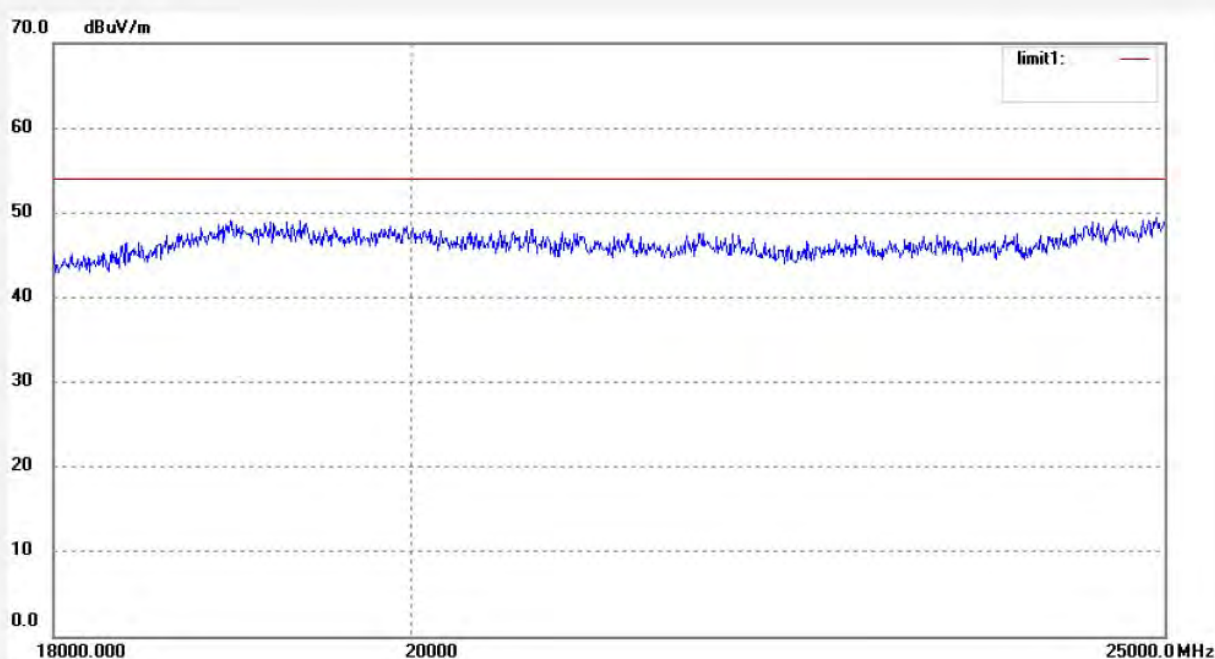
Date: 2012/04/27

Time: 12:15:08

Engineer Signature: STAR

Distance:

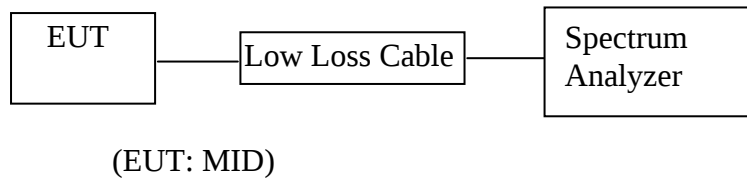
Note: Report No.:ATE20120636



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

10.CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

10.1.Block Diagram of Test Setup



10.2.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).

10.3.EUT Configuration on Measurement

The following equipment is 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.

10.3.1.MID (EUT)

Model Number	:	TB782B
Serial Number	:	N/A
Manufacturer	:	Shenzhen BNB Digital Tech. Co., Ltd.

10.4.Operating Condition of EUT

10.4.1.Setup the EUT and simulator as shown as Section 10.1.

10.4.2.Turn on the power of all equipment.

10.4.3.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.

10.5.Test Procedure

The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

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

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

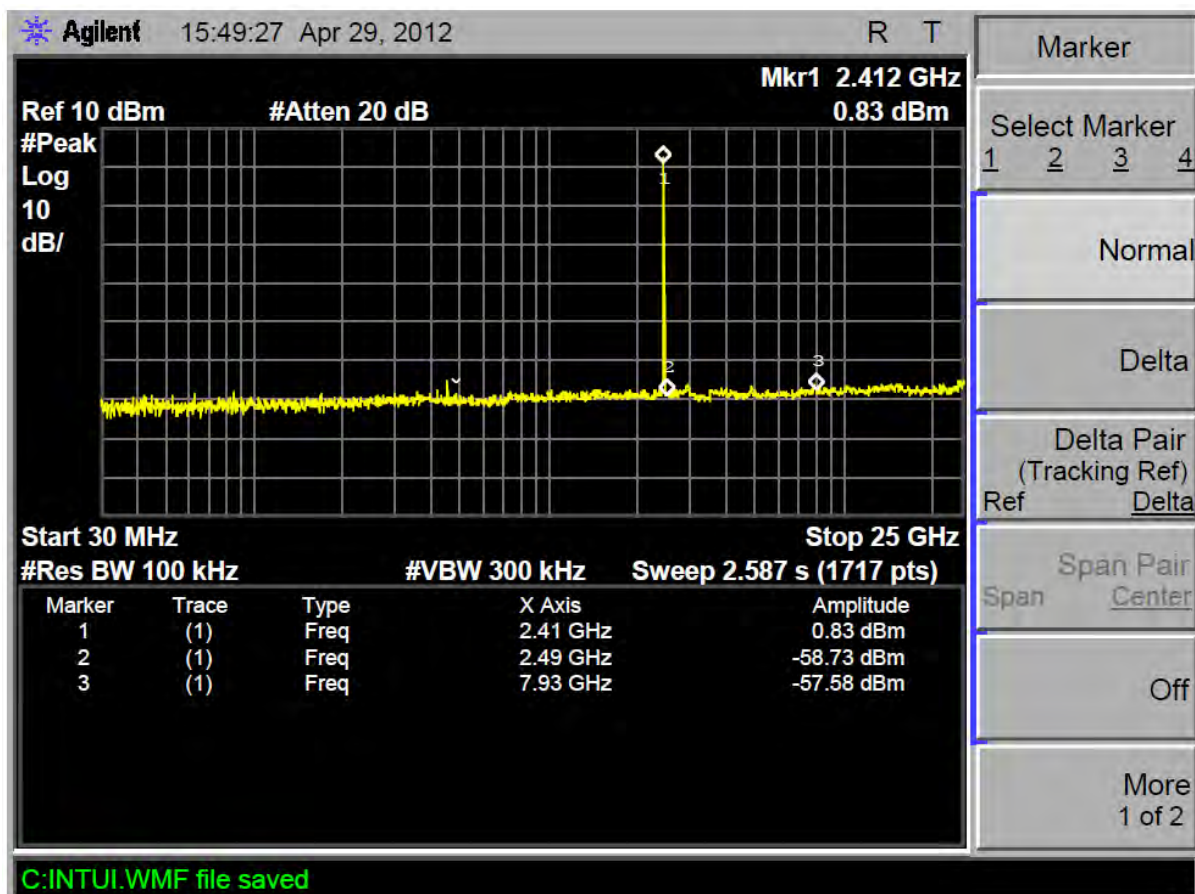
10.5.3.The Conducted Spurious Emission was measured and recorded.

10.6.Test Result

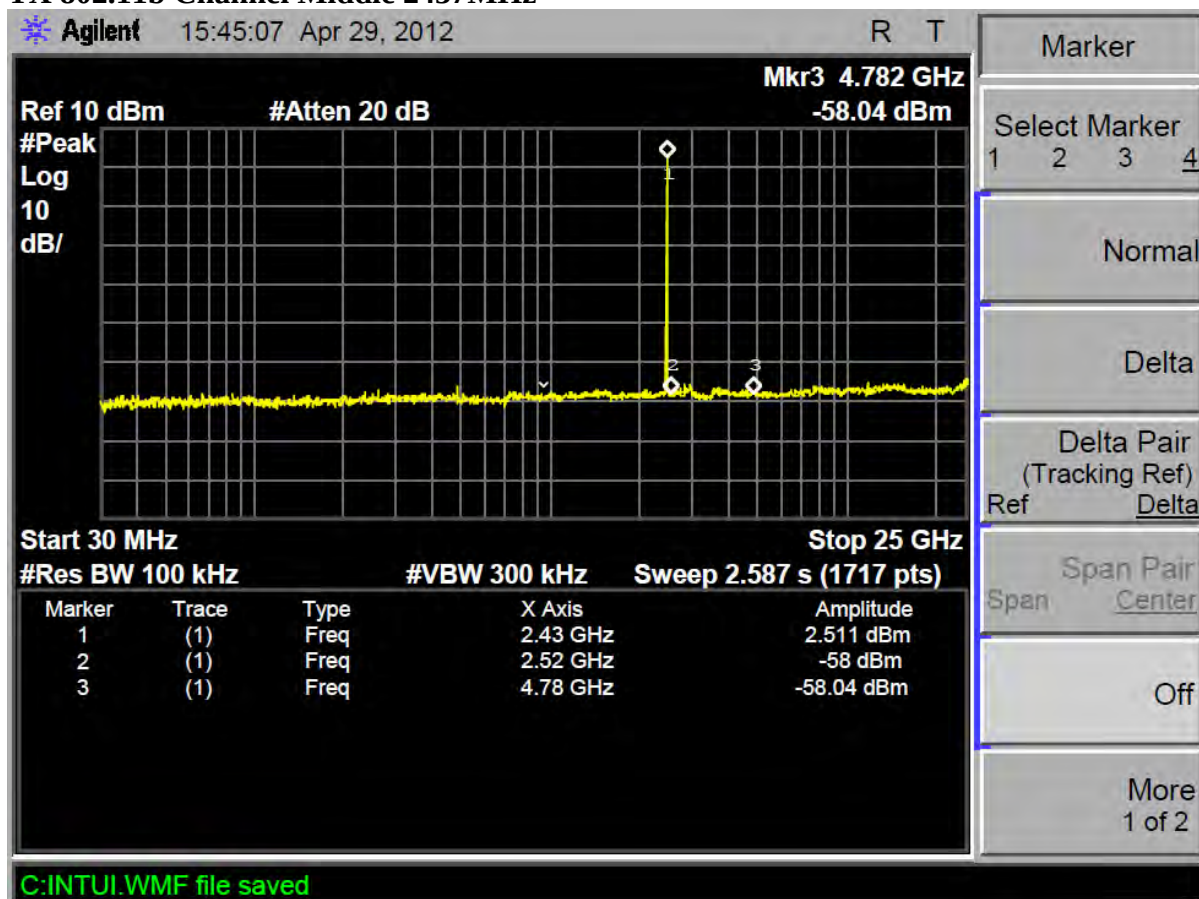
Pass.

The spectrum analyzer plots are attached as below.

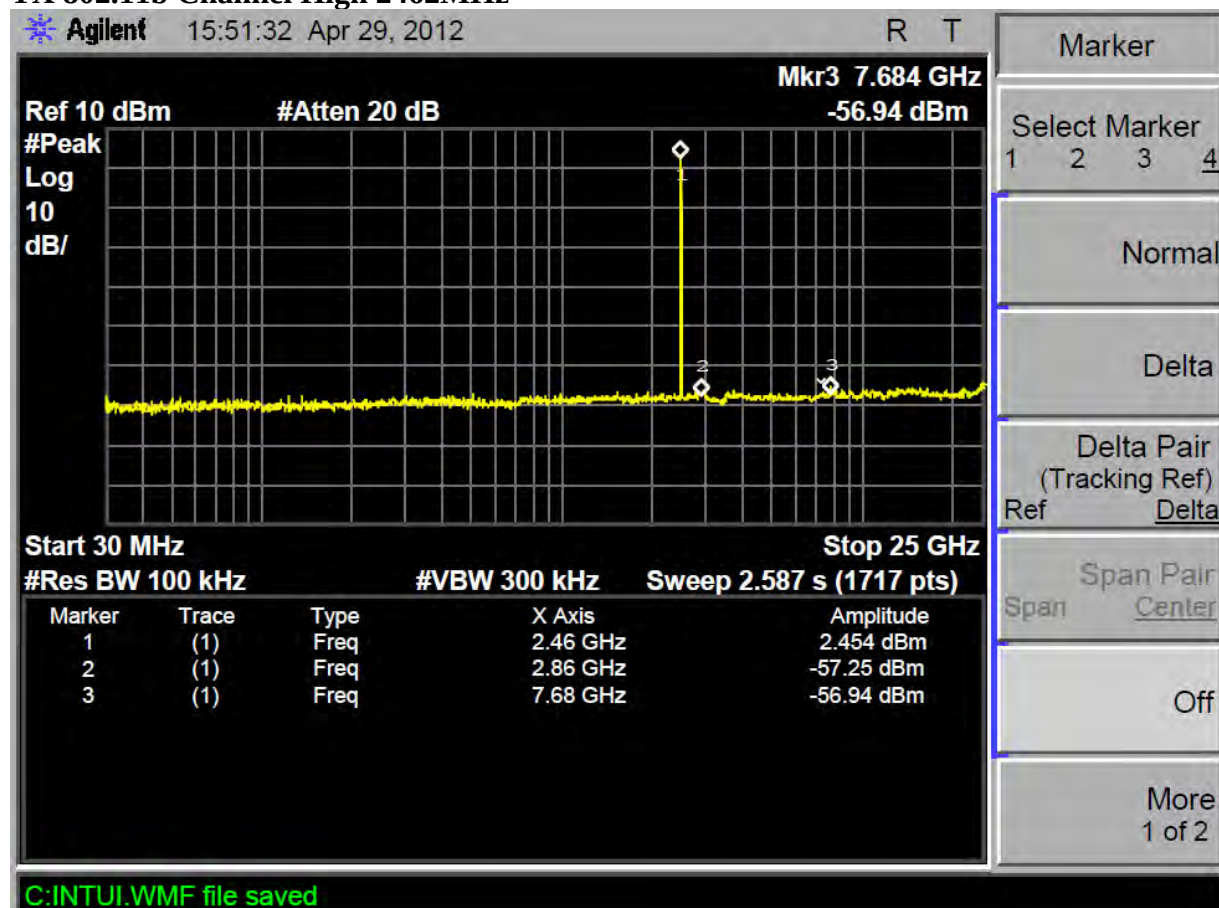
TX 802.11b Channel Low 2412MHz



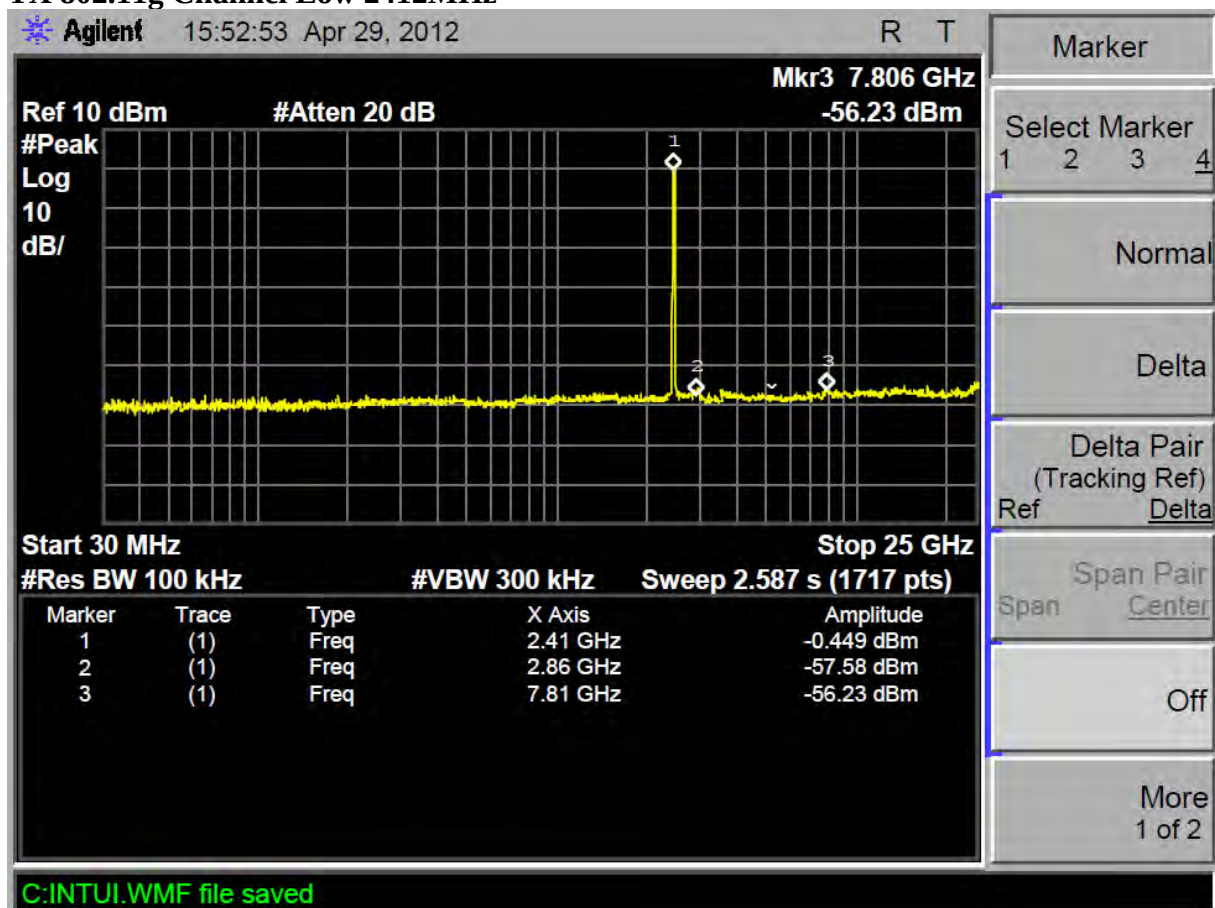
TX 802.11b Channel Middle 2437MHz



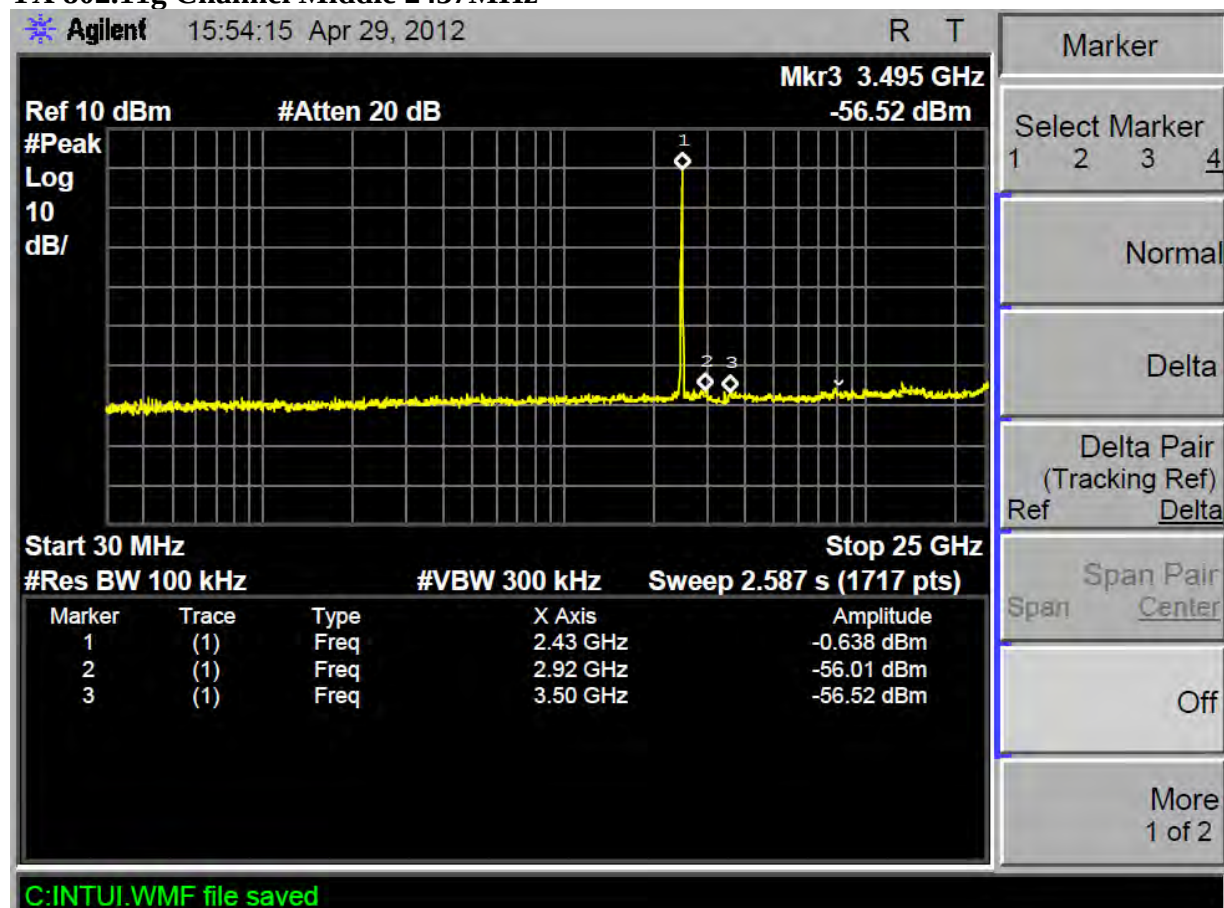
TX 802.11b Channel High 2462MHz



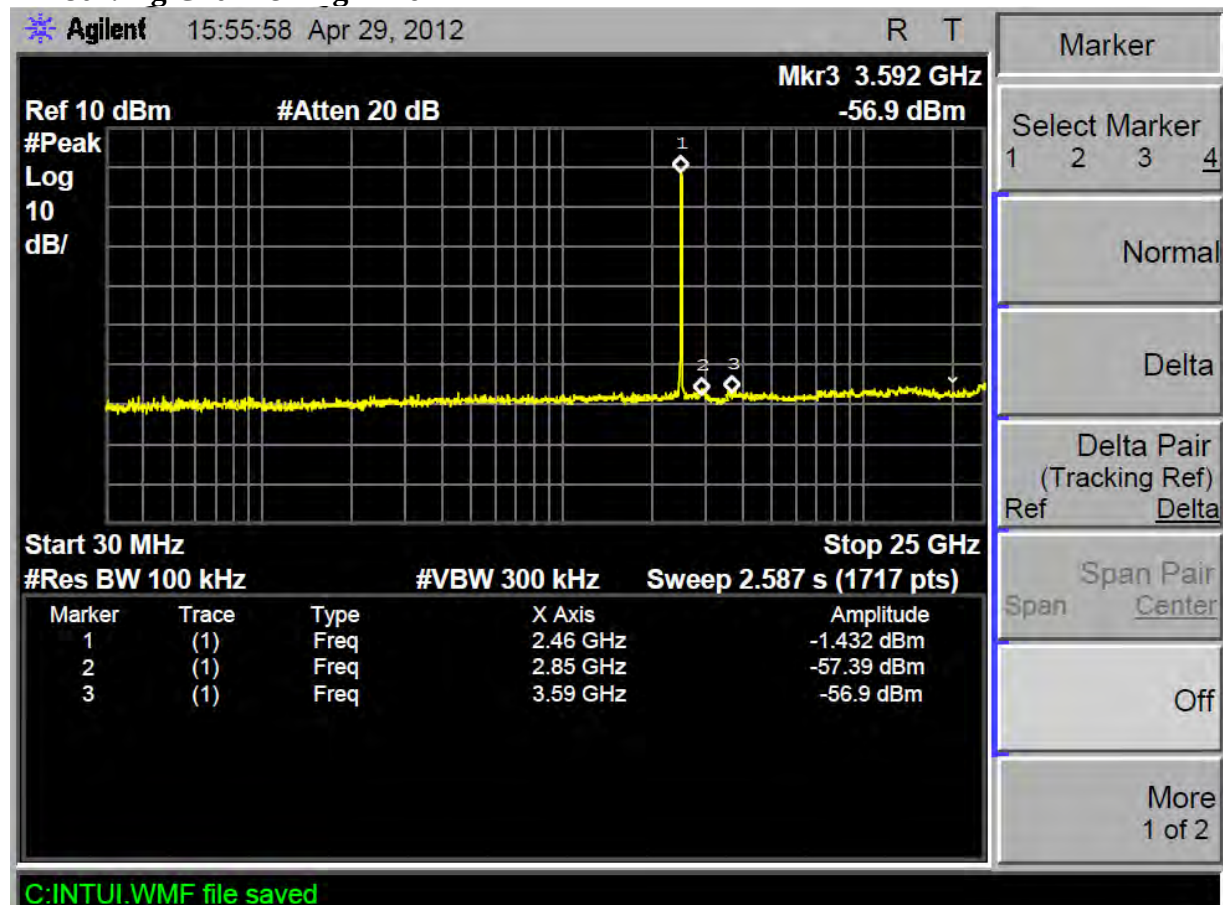
TX 802.11g Channel Low 2412MHz



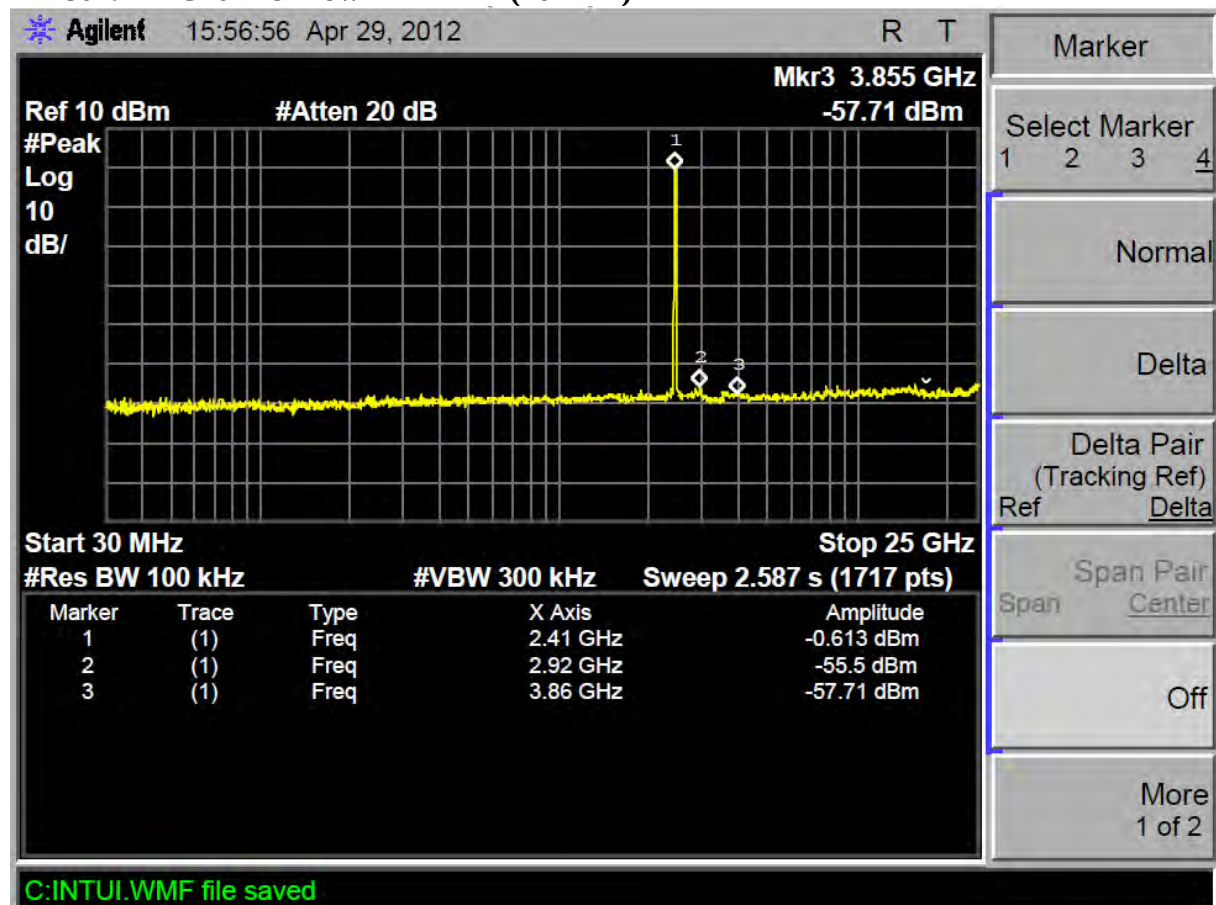
TX 802.11g Channel Middle 2437MHz



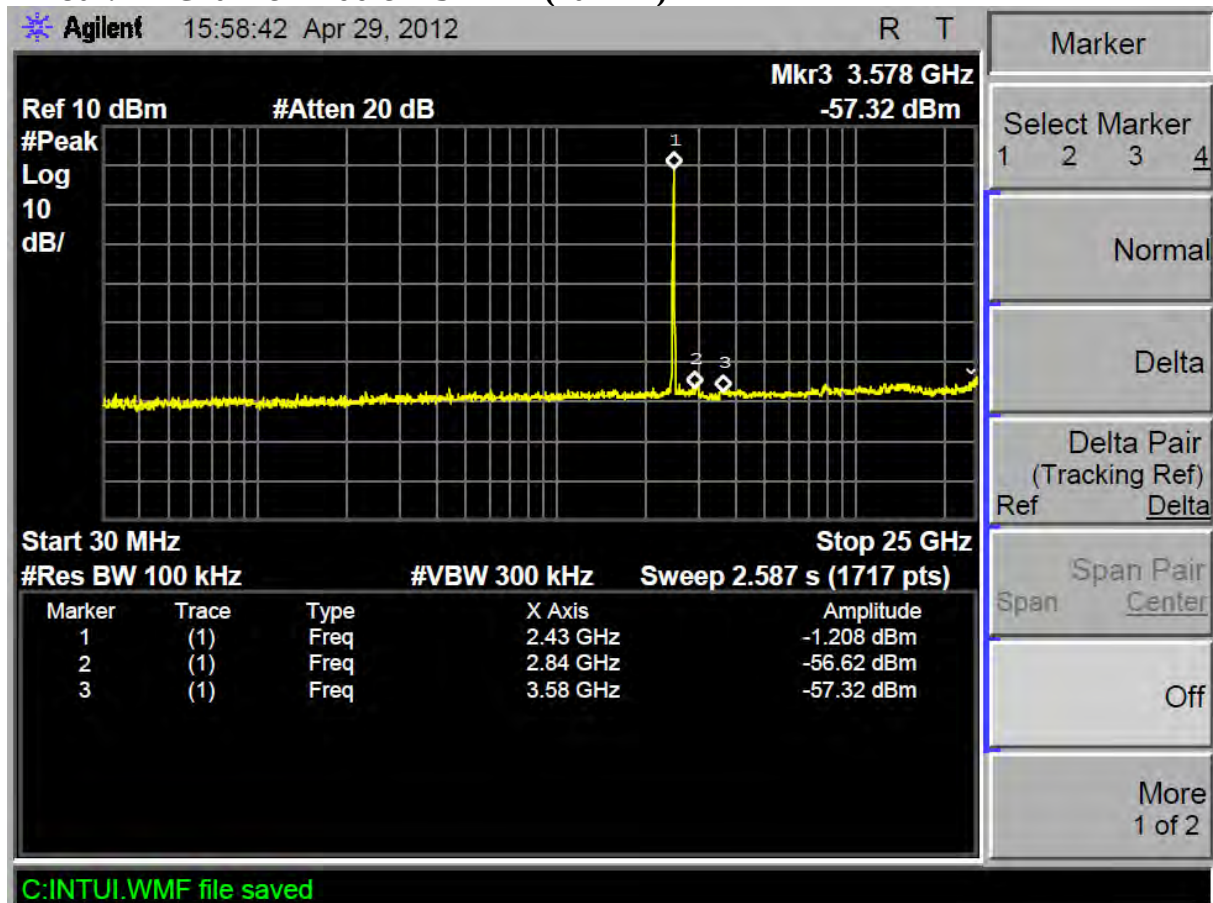
TX 802.11g Channel High 2462MHz



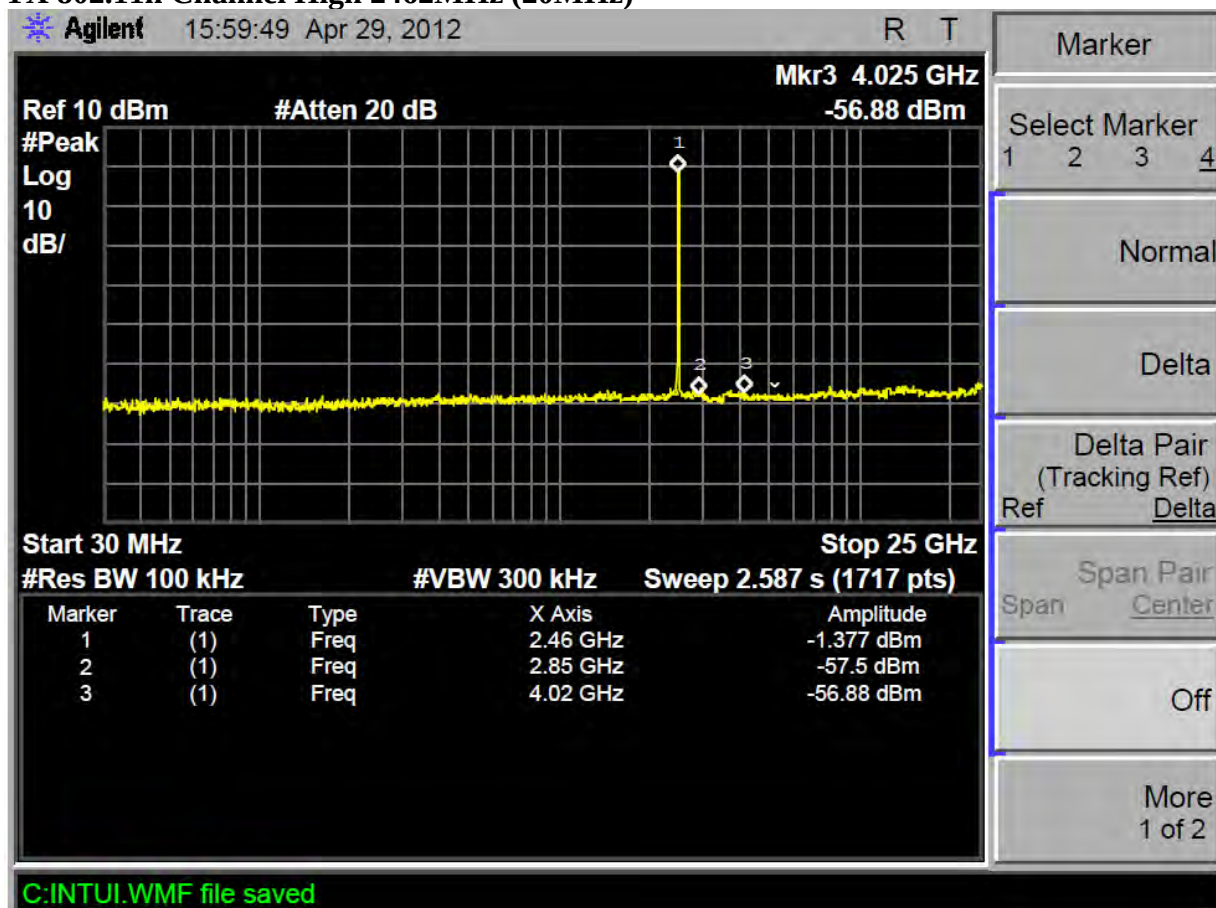
TX 802.11n Channel Low 2412MHz (20MHz)



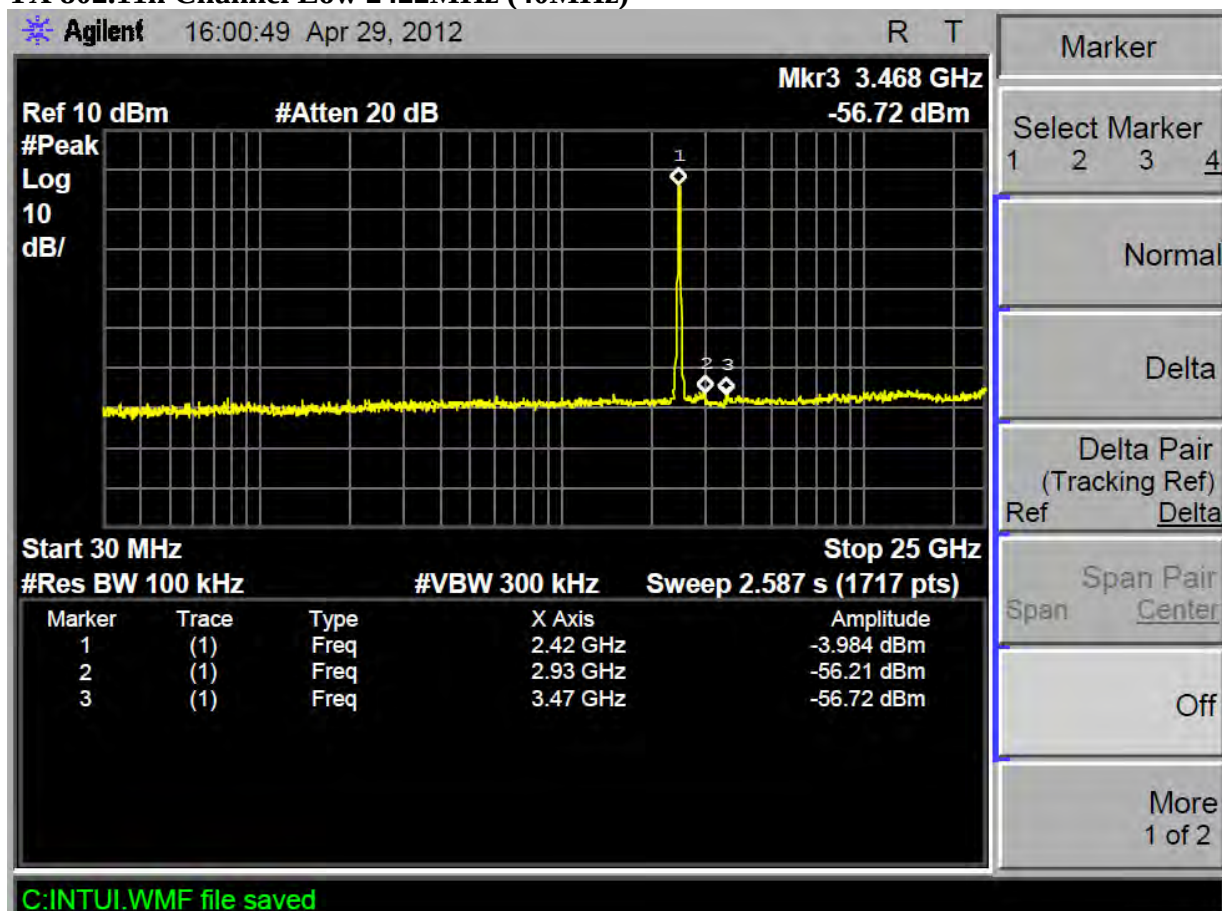
TX 802.11n Channel Middle 2437MHz (20MHz)



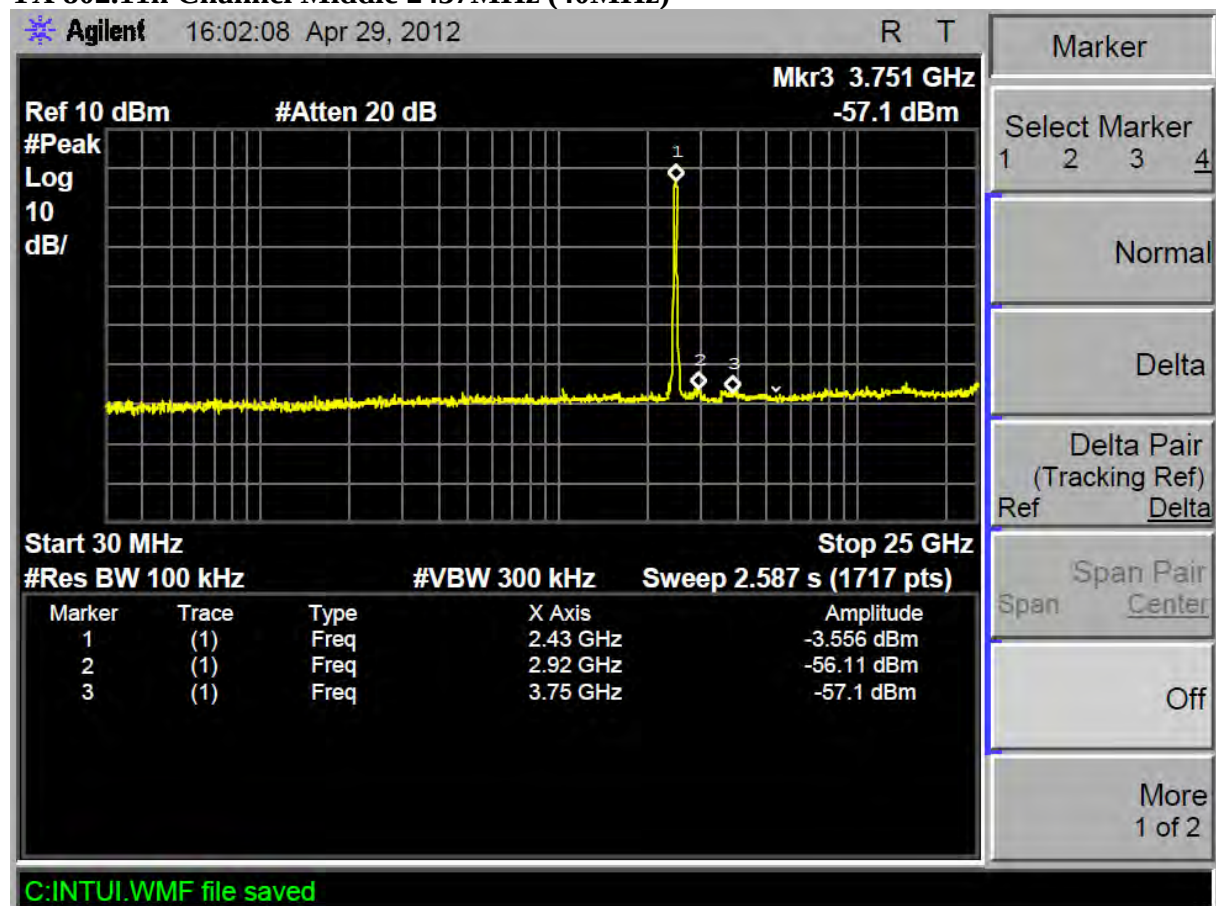
TX 802.11n Channel High 2462MHz (20MHz)



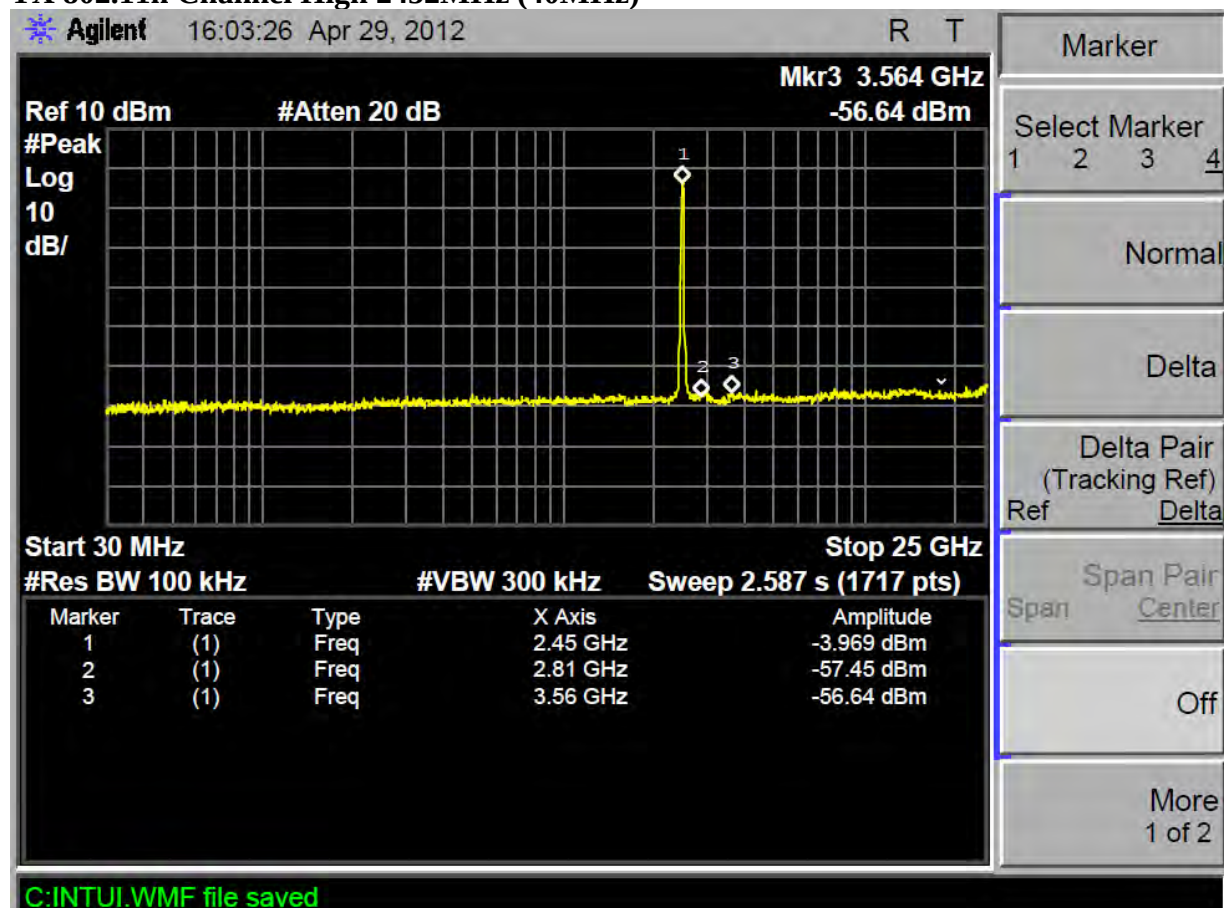
TX 802.11n Channel Low 2422MHz (40MHz)



TX 802.11n Channel Middle 2437MHz (40MHz)



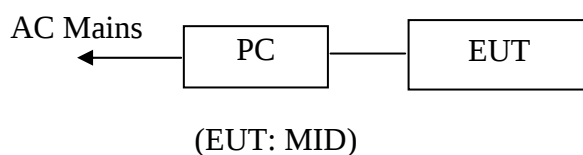
TX 802.11n Channel High 2452MHz (40MHz)



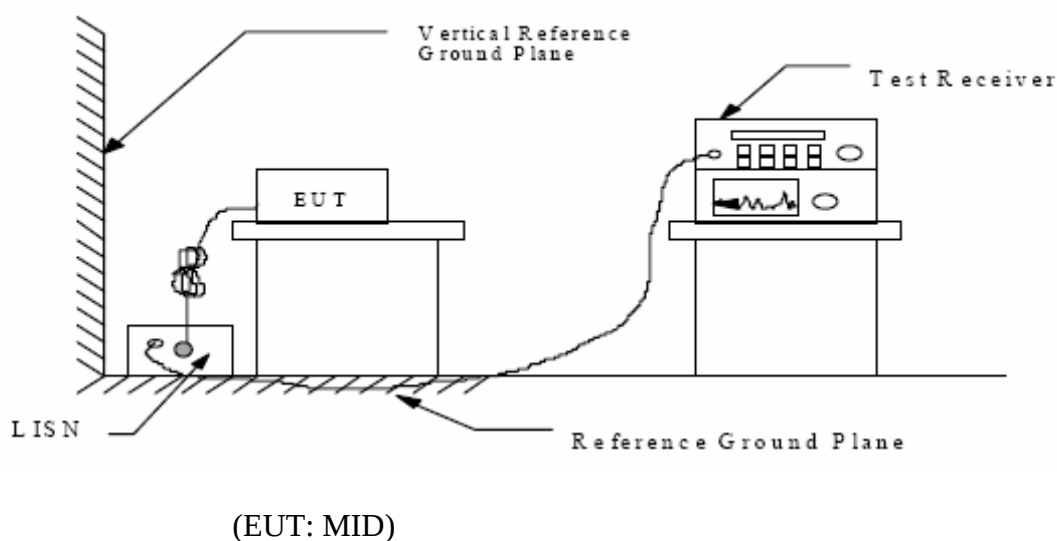
11.AC POWER LINE CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207(A)

11.1.Block Diagram of Test Setup

11.1.1.Block diagram of connection between the EUT and simulators



11.1.2.Shielding Room Test Setup Diagram



11.2.The Emission Limit

11.2.1.Conducted Emission Measurement Limits According to Section 15.207(a)

Frequency (MHz)	Limit dB(μV)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

* Decreases with the logarithm of the frequency.

11.3.Configuration of EUT on Measurement

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

11.3.1.MID (EUT)

Model Number : TB782B
Serial Number : N/A
Manufacturer : Shenzhen BNB Digital Tech. Co., Ltd.

11.4.Operating Condition of EUT

11.4.1.Setup the EUT and simulator as shown as Section 11.1.

11.4.2.Turn on the power of all equipment.

11.4.3.Let the EUT work in TX (Charging) mode measure it.

11.5.Test Procedure

The EUT was tested according to DTS test procedure of January 18, 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2003 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

11.6. Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

Date of Test:	April 25, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	TB782B	Power Supply:	AC 120V/60Hz
Test Mode:	Charging	Test Engineer:	Pei

Frequency (MHz)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector	Line
0.182408	41.60	64.4	22.8	QP	Neutral
0.304059	31.50	60.1	28.6	QP	
2.573326	28.60	56	27.4	QP	
0.183870	39.00	54.3	15.3	AV	
0.304059	31.20	50.7	18.9	AV	
2.573326	28.20	46	17.8	AV	
0.306497	36.60	60.1	23.5	QP	Live
0.488957	33.20	56.2	23.0	QP	
0.734698	33.80	56	22.2	QP	
0.306497	37.10	50.1	13.0	AV	
0.490912	33.50	46.2	12.7	AV	
0.734698	33.90	46	12.1	AV	

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

The spectral diagrams are attached as below.

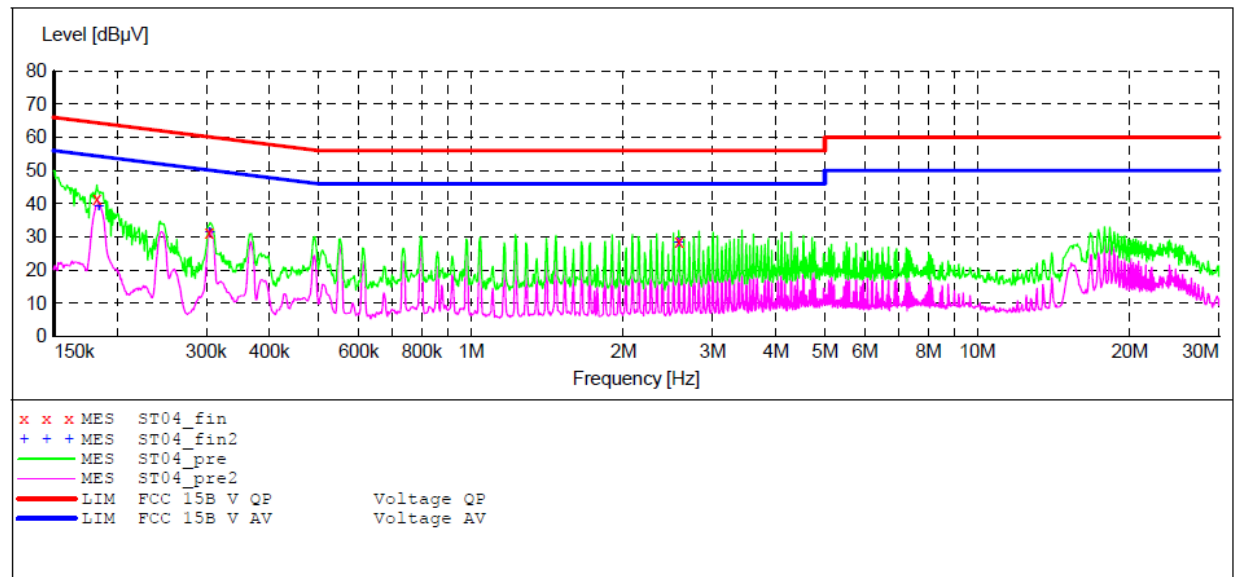
ACCURATE TECHNOLOGY CO.,LTD**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: MID M/N:TB782B
 Manufacturer: BNB
 Operating Condition: Charging
 Test Site: 1#Shielding Room
 Operator: Star
 Test Specification: N 120V/60Hz
 Comment: Report No.:ATE20120636
 Start of Test: 4/25/2012 / 3:41:07PM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	0.8 %	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008
Average						

**MEASUREMENT RESULT: "ST04_fin"**

4/25/2012 3:43PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.182408	41.60	11.2	64.4	22.8	QP	N	GND
0.304059	31.50	11.6	60.1	28.6	QP	N	GND
2.573326	28.60	11.6	56	27.4	QP	N	GND

MEASUREMENT RESULT: "ST04_fin2"

4/25/2012 3:43PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.183870	39.00	11.2	54.3	15.3	AV	N	GND
0.304059	31.20	11.6	50.7	18.9	AV	N	GND
2.573326	28.20	11.6	46	17.8	AV	N	GND

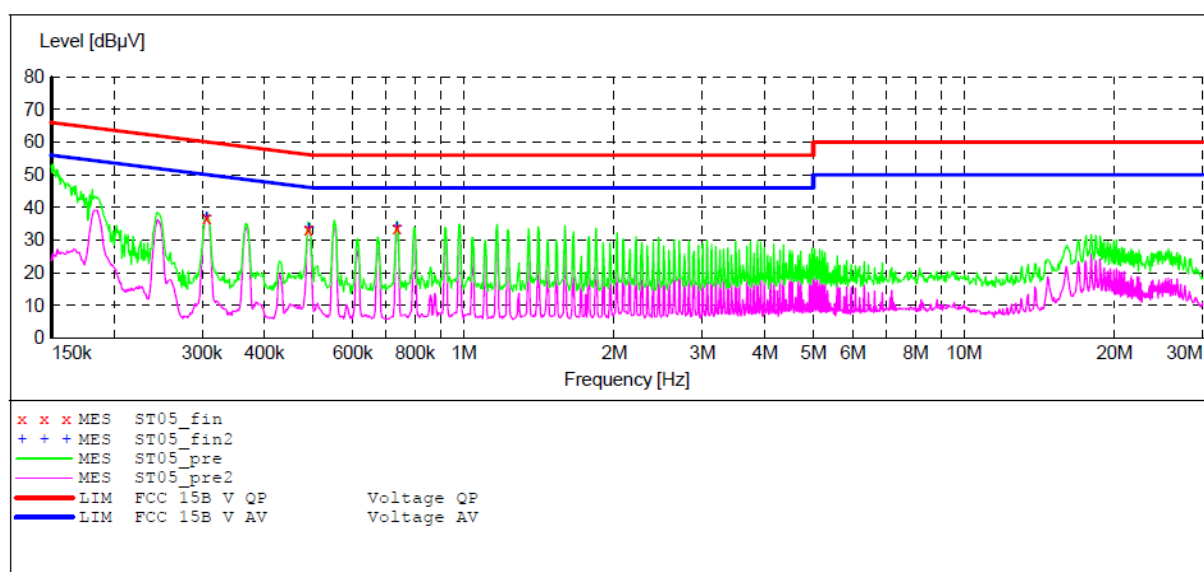
ACCURATE TECHNOLOGY CO.,LTD**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: MID M/N:TB782B
 Manufacturer: BNB
 Operating Condition: Charging
 Test Site: 1#Shielding Room
 Operator: Star
 Test Specification: L 120V/60Hz
 Comment: Report No.:ATE20120636
 Start of Test: 4/25/2012 / 3:43:57PM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
Frequency 150.0 kHz	Frequency 30.0 MHz	Step Width 0.8 %	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008
			Average			

**MEASUREMENT RESULT: "ST05_fin"**

4/25/2012 3:46PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.306497	36.60	11.6	60.1	23.5	QP	L1	GND
0.488957	33.20	12.0	56.2	23.0	QP	L1	GND
0.734698	33.80	11.9	56	22.2	QP	L1	GND

MEASUREMENT RESULT: "ST05_fin2"

4/25/2012 3:46PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.306497	37.10	11.6	50.1	13.0	AV	L1	GND
0.490912	33.50	12.0	46.2	12.7	AV	L1	GND
0.734698	33.90	11.9	46	12.1	AV	L1	GND

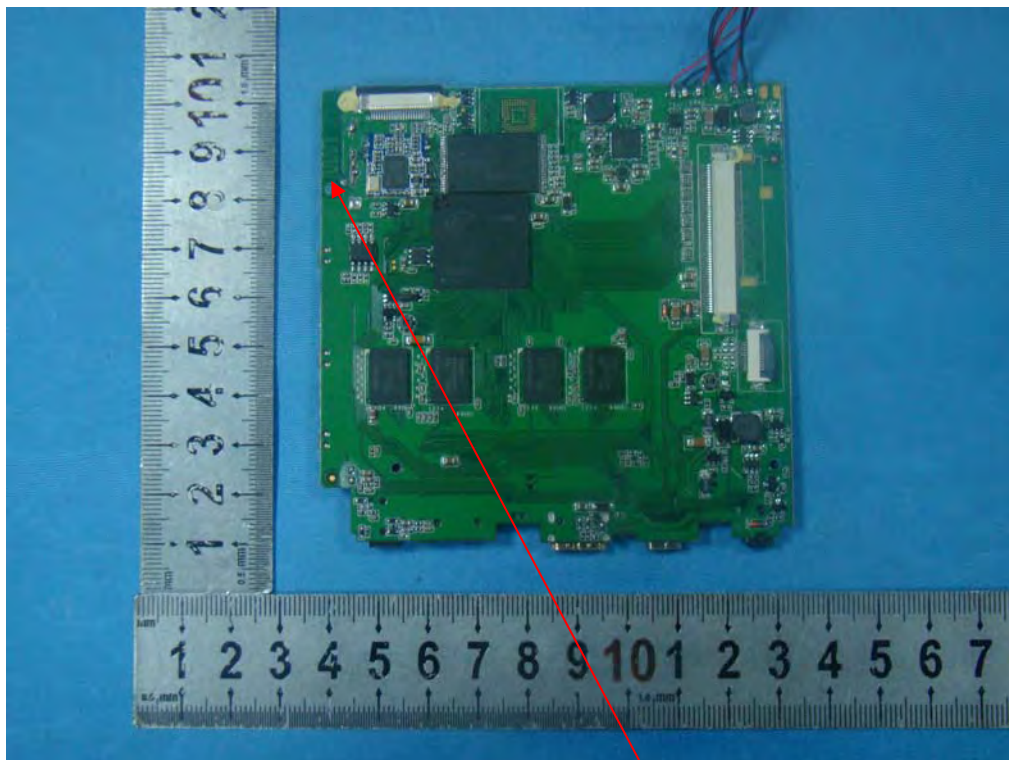
12.ANTENNA REQUIREMENT

12.1.The Requirement

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

12.2.Antenna Construction

Device is equipped with unique antenna, which isn't displaced by other antenna. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna