Shenzhen EMTEK Co., Ltd.
Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China
www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282

EMTEK
Access to the World

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART C REQUIREMENT

OF

+ Cam

MODEL No.: QCP-A100, QCP-A200

FCC ID: A5JC10150

REPORT NO: ES111121101F-2

ISSUE DATE: January 17, 2013

Prepared for

QUADRANT TECHNOLOGY (SHENZHEN) CO., LTD.
3rd floor, 7th building Hongfa JiaTeLi Hi-Tech park of shixin village, shiyan Town, Shenzhen City, Guangdong province, China

Prepared by

SHENZHEN EMTEK CO., LTD.

Bldg 69, Majialong Industry Zone, Nanshan District,
Shenzhen, Guangdong, China
TEL: 86-755-26954280
FAX: 86-755-26954282

VERIFICATION OF COMPLIANCE

Applicant:	QUADRANT TECHNOLOGY (SHENZHEN) CO., LTD 3rd floor, 7th building Hongfa JiaTeLi Hi-Tech park of shixin village, shiyan Town, Shenzhen City, Guangdong province, China
Manufacturer:	QUADRANT TECHNOLOGY (SHENZHEN) CO., LTD 3rd floor, 7th building Hongfa JiaTeLi Hi-Tech park of shixin village, shiyan Town, Shenzhen City, Guangdong province, China
Product Description:	+ Cam
Model Number:	QCP-A100, QCP-A200 (Note: Both model numbers are identical in circuitry and electrical, mechanical and physical construction; the only differences are the appearance trade name and model no. for trading purpose. We take QCP-A100 to test.)
File Number:	ES111121101F-2
Date of Test:	December 19, 2012 to January 17, 2013

We hereby certify that:

The above equipment was tested by SHENZHEN EMTEK CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2009) and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15.247.

The test results of this report relate only to the tested sample identified in this report.

Date of Test : December 19, 2012 to January 17, 2013

Prepared by : Sara Tang/Editor

Reviewer : Aaron Lai/Supervisor

Approve & Authorized Signer : Lisa Wang/Manager

Modified History

Rev.	Summary	Date of Rev.	Report No.
V1.0	Original Report	2011-11-21	ES111121101F-1
V1.1	1. Add three adapters 2. Update model name	2013-01-17	ES111121101F-2

Table of Contents

1. General Information

1.1 Product Description

A major technical descriptions of EUT is described as following:

A). Standards: IEEE802.11b/g/n
B). Operation Frequency: 802.11b/g/n(HT20): 2412-2462MHz;
802.11n(HT40): 2422-2452MHz
C). Modulation: OFDM, CCK
D). Number of Channel: 802.11b/g/n(HT20): 11Channels; 802.11n(HT40): 7Channles
E).Conducted Power: 11.83dBm(802.11b), 7.5dBm(802.11g),
7.5dBm(802.11n HT20), 4.64dBm(802.11n HT40)
F) Antenna Gain: 1.3dBi
G). Antenna Type: Integral Antenna
H). Power Supply: DC 5V with AC Adapter
Adapter 1: Model: DSC-6PFA-05 FUS 050100
Input: 100-240V～, 50/60Hz, 0.2A
Output: DC5.0V, 1.0A
Adapter 2: Model: NLA100050W1U1
Input: 100-240V～, 50/60Hz, 0.2A
Output: DC5.0V, 1.0A
Adapter 3: Model: CS6D050100FG
Input: 100-240V～, 50/60Hz, 0.2A
Output: DC5.0V, 1.0A

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	5	2432	9	2452
2	2417	6	2437	10	2457
3	2422	7	2442	11	2462
4	2427	8	2447		

Note:
1. This device is + Cam included 802.11b, 802.11g and 802.11n (HT20, HT40) 2.4GHz transceiver function.
2. Test of channel was included the lowest middle and highest frequency in lowest data rate and to perform the test, then record on this report.

1.2 Related Submittal(s) / Grant(s)

This submittal(s) (test report) is intended for FCC ID: A5JC10150 filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

1.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 (2009). Radiated testing was performed at an antenna to EUT distance 3 meters.

1.4 Special Accessories

Not available for this EUT intended for grant.

1.5 Equipment Modifications

Not available for this EUT intended for grant.

1.6 Test Facility

Site Description

EMC Lab. : Accredited by CNAS, 2010.10.29
The certificate is valid until 2013.10.28
The Laboratory has been assessed and proved to be in compliance with CNAS/CL01: 2006(identical to ISO/IEC17025: 2005)
The Certificate Registration Number is L2291

Accredited by TUV Rheinland Shenzhen 2010.5.25
The Laboratory has been assessed according to the requirements ISO/IEC 17025

Accredited by FCC, October 28, 2010
The Certificate Registration Number is 406365.

Accredited by Industry Canada, March 05, 2010
The Certificate Registration Number is 46405-4480.

Name of Firm : SHENZHEN EMTEK CO., LTD.

Site Location : Bldg 69, Majialong Industry Zone,
Nanshan District, Shenzhen, Guangdong, China

2. System Test Configuration

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The Transmitter was operated in the normal operating mode. the Tx frequency was fixed which was for the purpose of the measurements.

2.3 Test Procedure

2.3.1 Conducted Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4-2009 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

2.3.2 Radiated Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter(EUT) was rotated through three orthogonal axes according to the requirements in Section 13.1.4.1 of ANSI C63.4-2009.

2.4 Configuration of Tested System

Fig. 2-1 Configuration of Tested System

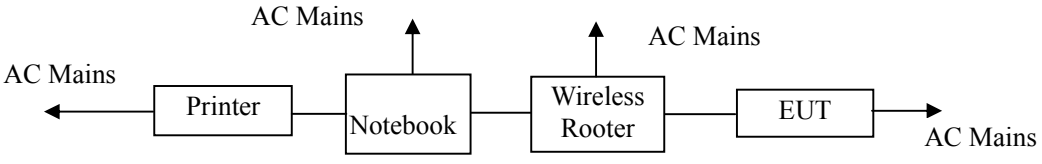


Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
1.	+ Cam	N/A	QCP-A100	A5JC10150	N/A	EUT
2.	Notebook	LENOVO	20020	N/A	N/A	
3.	Wireless Rooter	Tenda	W316R	N/A	N/A	
4.	Printer	HP	C89520	N/A	CN25S182N6	

Note:

(1) Unless otherwise denoted as EUT in『Remark』column, device(s) used in tested system is a support equipment.

3. Description of Test Modes

The Transmitter of EUT is a + Cam and powered by host equipment. This is Digital Transmission system(DTS) and have modulation OFDM, CCK. According exploratory test, EUT will have maximum output power in those data rate(802.11b: 1 Mbps; 802.11g: 6 Mbps; 802.11n(HT20, 40): MCS0), so those data rate were used for all test.

For 802.11b/g/n(HT20):
1. For lowest channel : 2412MHz (Channel 1)
2. For middle channel : 2437MHz (Channel 6)
3. For highest channel: 2462MHz (Channel 11)

For 802.11n(HT40):
4. For lowest channel : 2422MHz (Channel 3)
5. For middle channel : 2437MHz (Channel 6)
6. For highest channel: 2452MHz (Channel 9)

EUT operating conditions:

The EUT exercise program used during conducted testing was designed to exercise the EUT in a manner similar to typical use, The exercise sequence is listed as below:
1. Setup the EUT and simulators as shown on 2.4.
2. Turn on the power of all equipments.
3. The EUT Ping with the wireless router.
4. Repeat the above steps.

4. Summary of Test Results

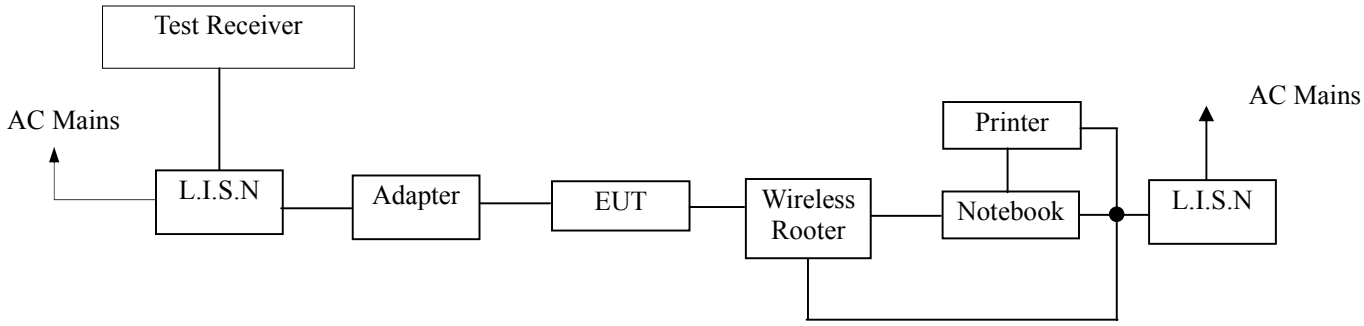
FCC Rules	Description Of Test	Result
§15.207	AC Power Conducted Emission	Compliant
§15.247(d), §15.209	Radiated Emission	Compliant

5. Conducted Emissions Test

5.1 Measurement Procedure

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete.

5.2 Test SET-UP (Block Diagram of Configuration)



5.3 Measurement Equipment Used

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Test Receiver	Rohde & Schwarz	ESCS30	828985/018	05/29/2012	05/29/2013
L.I.S.N.	Schwarzbeck	NNLK8129	8129203	05/29/2012	05/29/2013
50Ω Coaxial Switch	Anritsu	MP59B	M20531	N/A	N/A
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	05/29/2012	05/29/2013
Voltage Probe	Rohde & Schwarz	TK9416	N/A	05/29/2012	05/29/2013
L.I.S.N.	Rohde & Schwarz	ENV216	101161	05/29/2012	05/29/2013

5.4 Conducted Emission Limit

Conducted Emission

Frequency(MHz)	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

5.5 Measurement Result

Date of Test:	December 19, 2012	Temperature:	22℃
Frequency Detector:	0.15~30MHz	Humidity:	50%
Test Result:	PASS	Test Mode:	WIFI Mode

Note: Adapter 1

Test Line	Frequency MHz	Emission Level QP dB(μV)	Emission Level AV dB(μV)	Limits QP dB(μV)	Limits AV dB(μV)	Over QP dB(μV)	Over AV dB(μV)
Line	0.15	50.07	37.27	66.00	56.00	-15.93	-18.73
	0.17	48.35	35.72	64.96	54.96	-16.61	-19.24
	0.19	46.12	30.35	64.04	54.04	-17.92	-23.69
	0.38	45.53	31.09	58.28	48.28	-12.75	-17.19
	6.28	49.48	28.61	60.00	50.00	-10.52	-21.39
	7.55	44.58	26.61	60.00	50.00	-15.42	-23.39
Neutral	0.15	48.12	28.72	66.00	56.00	-17.88	-27.28
	0.18	48.22	29.75	64.49	54.49	-16.27	-24.74
	0.38	42.62	29.21	58.28	48.28	-15.66	-19.07
	5.60	42.33	24.57	60.00	50.00	-17.67	-25.43
	6.38	40.84	25.58	60.00	50.00	-19.16	-24.42
	8.08	40.80	24.08	60.00	50.00	-19.20	-25.92

Date of Test:	December 19, 2012	Temperature:	22℃
Frequency Detector:	0.15~30MHz	Humidity:	50%
Test Result:	PASS	Test Mode:	WIFI Mode

Note: Adapter 2

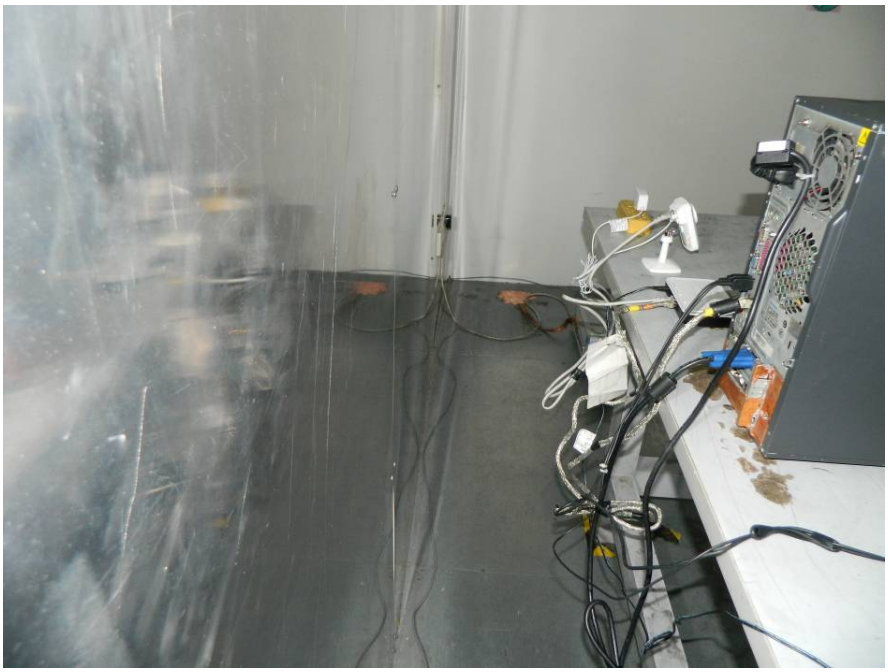
Test Line	Frequency MHz	Emission Level QP dB(μV)	Emission Level AV dB(μV)	Limits QP dB(μV)	Limits AV dB(μV)	Over QP dB(μV)	Over AV dB(μV)
Line	0.26	56.90	42.25	61.43	51.43	-4.53	-9.18
	0.39	53.90	38.36	58.06	48.06	-4.16	-9.70
	0.62	52.40	38.58	56.00	46.00	-3.60	-7.42
	1.00	51.20	37.82	56.00	46.00	-4.80	-8.18
	1.61	49.30	37.77	56.00	46.00	-6.70	-8.23
	2.27	50.60	36.32	56.00	46.00	-5.40	-9.68
Neutral	0.25	56.30	41.01	61.76	51.76	-5.46	-10.75
	0.34	51.90	36.86	59.20	49.20	-7.30	-12.34
	0.66	53.30	35.84	56.00	46.00	-2.70	-10.16
	0.94	52.90	35.47	56.00	46.00	-3.10	-10.53
	1.13	51.80	37.83	56.00	46.00	-4.20	-8.17
	2.23	50.80	35.89	56.00	46.00	-5.20	-10.11

Date of Test:	December 19, 2012	Temperature:	22℃
Frequency Detector:	0.15~30MHz	Humidity:	50%
Test Result:	PASS	Test Mode:	WIFI Mode

Note: Adapter 3

Test Line	Frequency MHz	Emission Level QP dB(μV)	Emission Level AV dB(μV)	Limits QP dB(μV)	Limits AV dB(μV)	Over QP dB(μV)	Over AV dB(μV)
Line	0.15	49.74	31.20	66.00	56.00	-16.26	-24.80
	0.35	41.10	30.66	58.96	48.96	-17.86	-18.30
	0.49	40.38	29.19	56.17	46.17	-15.79	-16.98
	0.71	41.75	29.92	56.00	46.00	-14.25	-16.08
	6.50	45.99	30.48	60.00	50.00	-14.01	-19.52
	7.38	45.35	28.63	60.00	50.00	-14.65	-21.37
Neutral	0.15	50.09	31.87	66.00	56.00	-15.91	-24.13
	0.23	41.77	30.67	62.45	52.45	-20.68	-21.78
	0.38	44.57	41.32	58.28	48.28	-13.71	-6.96
	0.67	39.87	28.86	56.00	46.00	-16.13	-17.14
	6.38	45.44	29.05	60.00	50.00	-14.56	-20.95
	7.40	43.73	27.71	60.00	50.00	-16.27	-22.29

5.6 Conducted Emissions Photos



6. Radiated Emission Test

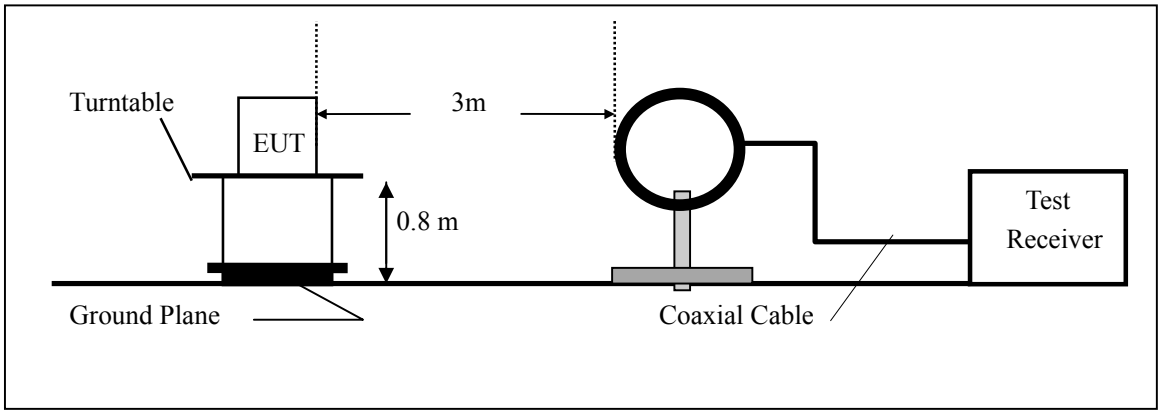
6.1 Measurement Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measured were complete.

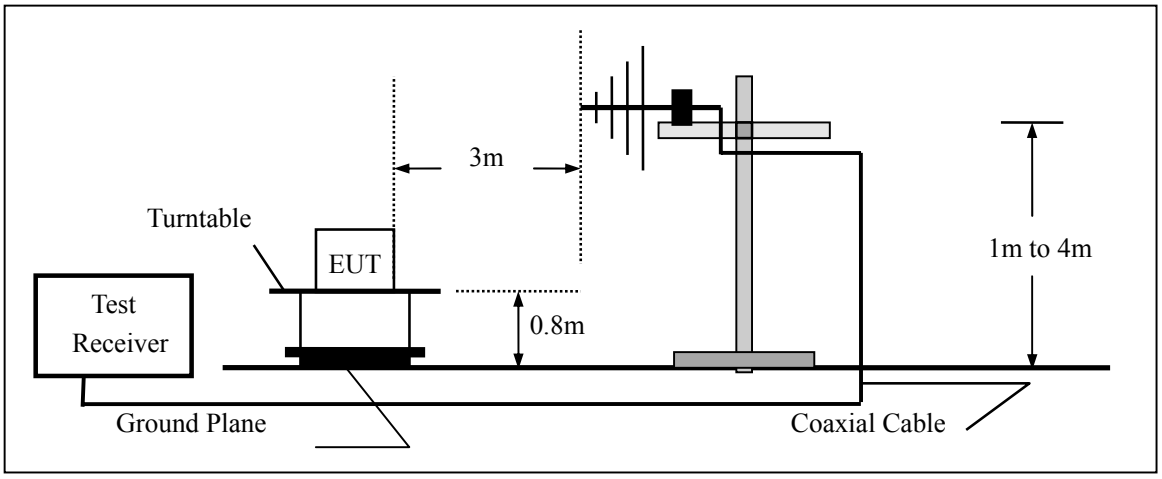
For emissions measurement set the bandwidth of the Spectrum's RBW at 1MHz above 1GHz and RBW 100KHz below 1GHz.

6.2 Test SET-UP (Block Diagram of Configuration)

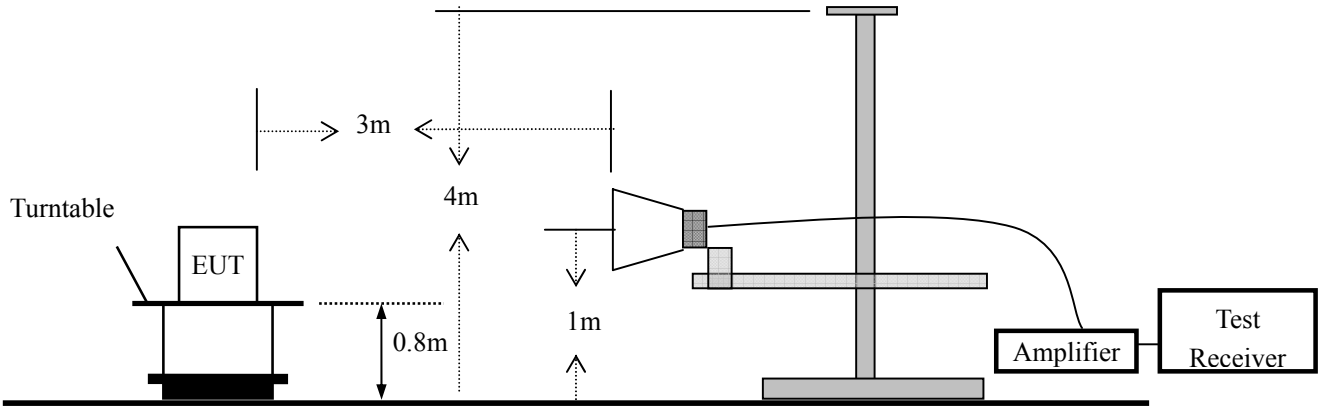
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



6.3 Measurement Equipment Used

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMI Test Receiver	Rohde & Schwarz	ESU	1302.6005.26	May 29, 2012	05/29/2013
Pre-Amplifier	HP	8447D	2944A07999	May 29, 2012	05/29/2013
Bilog Antenna	Schwarzbeck	VULB9163	142	May 29, 2012	05/29/2013
Loop Antenna	ARA	PLA-1030/B	1029	May 29, 2012	05/29/2013
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170399	May 29, 2012	05/29/2013
Horn Antenna	Schwarzbeck	BBHA 9120	D143	May 29, 2012	05/29/2013
Cable	Schwarzbeck	AK9513	ACRX1	May 29, 2012	05/29/2013
Cable	Rosenberger	N/A	FP2RX2	May 29, 2012	05/29/2013
Cable	Schwarzbeck	AK9513	CRPX1	May 29, 2012	05/29/2013
Cable	Schwarzbeck	AK9513	CRRX2	May 29, 2012	05/29/2013

6.4 Radiated Emission Limit

FCC Class B Limit at 3m

15.209 Radiated Emission limit:

Frequency	Distance	Field Strength	
MHz	Meter	uV/m	dBuV/m
30~88	3	100	40.0
88~216	3	150	43.5
216~960	3	200	46.0
960~1000	3	500	54.0
Above 1000	3	74(Peak), 54(AVG)	

15.205 Restricted bands of operation

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])

Remark: 1. Emission level in dBuV/m=20 log (uV/m)
2. Measurement was performed at an antenna to the closed point of EUT distance of meters.
3. Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of ξ 15.205, and the emissions located in restricted bands also comply with 15.209 limit.

6.5 Measurement Result

Adapter 1:

Operation Mode:	802.11b TX Channel 1	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
57.98	V	34.53	40.00	-5.47	QP
95.29	V	35.12	43.50	-8.38	QP
124.82	V	34.88	43.50	-8.62	QP
249.18	V	39.98	46.00	-6.02	QP
375.10	V	37.26	46.00	-8.74	QP
499.46	V	40.97	46.00	-5.03	QP
54.87	H	32.98	40.00	-7.02	QP
124.82	H	36.38	43.50	-7.12	QP
227.42	H	37.64	46.00	-8.36	QP
239.86	H	40.79	46.00	-5.21	QP
375.10	H	37.80	46.00	-8.20	QP
499.46	H	40.04	46.00	-5.96	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11b TX Channel 6	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
58.38	V	34.53	40.00	-5.47	QP
96.54	V	33.12	43.50	-10.38	QP
121.26	V	35.88	43.50	-7.62	QP
244.86	V	39.57	46.00	-6.43	QP
373.54	V	37.24	46.00	-8.76	QP
492.96	V	40.92	46.00	-5.08	QP
56.07	H	30.92	40.00	-9.08	QP
126.07	H	35.34	43.50	-8.16	QP
230.98	H	39.64	46.00	-6.36	QP
244.18	H	39.47	46.00	-6.53	QP
373.54	H	38.80	46.00	-7.20	QP
492.96	H	39.04	46.00	-6.96	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11b TX Channel11	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
57.98	V	34.80	40.00	-5.20	QP
95.29	V	36.82	43.50	-6.68	QP
143.48	V	34.90	43.50	-8.60	QP
249.18	V	37.39	46.00	-8.61	QP
375.10	V	39.52	46.00	-6.48	QP
499.46	V	40.55	46.00	-5.45	QP
54.87	H	32.66	40.00	-7.34	QP
124.82	H	36.58	43.50	-6.92	QP
249.18	H	39.73	46.00	-6.27	QP
375.10	H	37.00	46.00	-9.00	QP
499.46	H	38.82	46.00	-7.18	QP
801.03	H	35.96	46.00	-10.04	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Adapter 2:

Operation Mode:	802.11b TX Channel 1	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
59.54	V	34.49	40.00	-5.51	QP
87.52	V	34.26	40.00	-6.74	QP
124.82	V	37.80	43.50	-5.70	QP
249.18	V	39.41	46.00	-6.59	QP
375.10	V	37.93	46.00	-8.07	QP
499.46	V	40.14	46.00	-5.86	QP
57.98	H	32.82	40.00	-7.18	QP
239.86	H	39.30	46.00	-6.70	QP
249.18	H	40.31	46.00	-5.69	QP
375.10	H	37.82	46.00	-8.18	QP
395.30	H	35.14	46.00	-10.86	QP
499.46	H	39.66	46.00	-6.34	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11b TX Channel 6	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
60.74	V	34.49	40.00	-5.51	QP
88.77	V	34.26	40.00	-5.74	QP
128.38	V	36.80	43.50	-6.70	QP
253.50	V	39.14	46.00	-6.86	QP
373.54	V	37.73	46.00	-8.27	QP
492.96	V	39.14	46.00	-6.86	QP
58.38	H	30.82	40.00	-9.18	QP
241.11	H	38.30	46.00	-7.70	QP
245.62	H	39.31	46.00	-6.69	QP
370.78	H	38.82	46.00	-7.18	QP
393.74	H	34.14	46.00	-11.86	QP
492.96	H	39.25	46.00	-6.75	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11b TX Channel11	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
57.98	V	34.66	40.00	-5.34	QP
92.18	V	36.91	43.50	-6.59	QP
101.51	V	37.16	43.50	-6.34	QP
249.18	V	36.65	46.00	-9.35	QP
375.10	V	35.02	46.00	-10.98	QP
499.46	V	40.55	46.00	-5.45	QP
54.87	H	31.55	40.00	-8.45	QP
227.42	H	36.45	46.00	-9.55	QP
249.18	H	40.47	46.00	-5.53	QP
375.10	H	34.54	46.00	-11.46	QP
395.30	H	33.31	46.00	-12.69	QP
499.46	H	39.27	46.00	-6.73	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Adapter 3:

Operation Mode:	802.11b TX Channel 1	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

New PCB

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
57.98	V	34.70	40.00	-5.30	QP
110.83	V	37.79	43.50	-5.71	QP
249.18	V	38.65	46.00	-7.35	QP
499.46	V	40.82	46.00	-5.18	QP
541.43	V	38.56	46.00	-7.44	QP
751.28	V	39.08	46.00	-6.92	QP
54.87	H	32.18	40.00	-7.82	QP
124.82	H	34.28	43.50	-9.22	QP
179.23	H	37.75	43.50	-5.75	QP
239.86	H	41.25	46.00	-4.75	QP
249.18	H	41.64	46.00	-4.36	QP
499.46	H	40.32	46.00	-5.68	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11b TX Channel 6	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
59.18	V	33.70	40.00	-6.30	QP
112.08	V	36.79	43.50	-6.71	QP
252.74	V	37.65	46.00	-8.35	QP
503.78	V	40.84	46.00	-5.16	QP
539.87	V	38.47	46.00	-7.53	QP
744.78	V	39.57	46.00	-6.43	QP
55.27	H	33.18	40.00	-6.82	QP
126.07	H	35.28	43.50	-8.22	QP
175.67	H	36.75	43.50	-6.75	QP
235.54	H	40.25	46.00	-5.75	QP
247.62	H	40.41	46.00	-5.59	QP
492.96	H	40.52	46.00	-5.48	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11b TX Channel11	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
57.98	V	34.10	40.00	-5.90	QP
93.73	V	37.43	43.50	-6.07	QP
124.82	V	36.75	43.50	-6.75	QP
148.14	V	36.40	43.50	-7.10	QP
249.18	V	40.58	46.00	-5.42	QP
499.46	V	37.86	46.00	-8.14	QP
59.54	H	32.43	40.00	-7.57	QP
165.24	H	34.80	43.50	-8.70	QP
179.23	H	37.23	43.50	-6.27	QP
249.18	H	39.34	46.00	-6.66	QP
375.10	H	38.20	46.00	-7.80	QP
499.46	H	41.40	46.00	-4.60	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Adapter 1:

Operation Mode:	802.11g TX Channel 1	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

New PCB

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
56.98	V	33.53	40.00	-6.47	QP
94.29	V	34.12	43.50	-9.38	QP
123.82	V	34.14	43.50	-9.36	QP
248.18	V	39.24	46.00	-6.76	QP
374.10	V	37.34	46.00	-8.66	QP
498.46	V	40.97	46.00	-5.03	QP
54.82	H	32.24	40.00	-7.76	QP
125.82	H	36.37	43.50	-7.13	QP
224.42	H	36.64	46.00	-9.36	QP
238.86	H	39.79	46.00	-6.21	QP
371.10	H	36.80	46.00	-9.20	QP
494.46	H	40.04	46.00	-5.96	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11g TX Channel 6	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

New PCB

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
58.18	V	33.14	40.00	-6.86	QP
95.54	V	34.47	43.50	-9.03	QP
127.38	V	34.54	43.50	-8.96	QP
252.50	V	39.14	46.00	-6.86	QP
372.54	V	37.67	46.00	-8.33	QP
491.96	V	39.97	46.00	-6.03	QP
55.22	H	31.24	40.00	-8.76	QP
127.07	H	35.37	43.50	-8.13	QP
220.86	H	37.64	46.00	-8.36	QP
234.54	H	38.79	46.00	-7.21	QP
369.54	H	36.47	46.00	-9.53	QP
487.96	H	39.04	46.00	-6.96	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11gTX Channel 11	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

New PCB

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
57.38	V	34.14	40.00	-5.86	QP
94.04	V	35.47	43.50	-8.03	QP
124.78	V	34.54	43.50	-8.96	QP
249.50	V	39.25	46.00	-6.75	QP
370.09	V	36.67	46.00	-9.33	QP
490.60	V	39.94	46.00	-6.06	QP
59.22	H	31.24	40.00	-8.76	QP
128.57	H	35.45	43.50	-8.05	QP
223.46	H	37.66	46.00	-8.34	QP
237.54	H	38.59	46.00	-7.41	QP
371.99	H	36.47	46.00	-9.53	QP
489.32	H	38.04	46.00	-7.96	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Adapter 2:

Operation Mode:	802.11g TX Channel 1	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

New PCB

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
56.54	V	34.49	40.00	-5.51	QP
89.52	V	34.26	40.00	-5.74	QP
122.82	V	36.80	43.50	-6.70	QP
245.18	V	39.44	46.00	-6.56	QP
376.10	V	37.96	46.00	-8.04	QP
498.46	V	39.14	46.00	-6.86	QP
56.98	H	33.82	40.00	-6.18	QP
235.86	H	38.30	46.00	-7.70	QP
246.18	H	40.24	46.00	-5.76	QP
376.10	H	36.82	46.00	-9.18	QP
392.30	H	35.25	46.00	-10.75	QP
495.46	H	39.27	46.00	-6.73	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11g TX Channel 6	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

New PCB

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
57.74	V	34.47	40.00	-5.53	QP
90.77	V	34.87	40.00	-5.13	QP
126.38	V	35.80	43.50	-7.70	QP
249.50	V	39.21	46.00	-6.79	QP
374.54	V	37.96	46.00	-8.04	QP
491.96	V	39.34	46.00	-6.66	QP
57.38	H	33.54	40.00	-6.46	QP
237.11	H	38.24	46.00	-7.76	QP
242.62	H	40.24	46.00	-5.76	QP
371.78	H	36.25	46.00	-9.75	QP
390.74	H	35.25	46.00	-10.75	QP
488.96	H	38.27	46.00	-7.73	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11gTX Channel 11	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

New PCB

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
56.94	V	33.20	40.00	-6.80	QP
89.27	V	34.35	40.00	-5.65	QP
123.78	V	36.80	43.50	-6.70	QP
246.50	V	39.21	46.00	-6.79	QP
372.09	V	37.96	46.00	-8.04	QP
490.60	V	39.24	46.00	-6.76	QP
61.38	H	33.28	40.00	-6.72	QP
238.61	H	38.65	46.00	-7.35	QP
245.22	H	40.24	46.00	-5.76	QP
374.78	H	35.25	46.00	-10.75	QP
393.19	H	35.25	46.00	-10.75	QP
490.32	H	39.27	46.00	-6.73	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Adapter 3:

Operation Mode:	802.11g TX Channel 1	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

New PCB

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
55.54	V	34.22	40.00	-5.78	QP
89.03	V	34.78	40.00	-5.22	QP
122.92	V	36.32	43.50	-7.18	QP
244.18	V	39.54	46.00	-6.46	QP
376.20	V	36.96	46.00	-9.04	QP
497.46	V	38.24	46.00	-7.76	QP
57.98	H	33.28	40.00	-6.72	QP
236.86	H	37.65	46.00	-8.35	QP
245.18	H	39.24	46.00	-6.76	QP
377.10	H	34.25	46.00	-11.75	QP
393.30	H	35.85	46.00	-10.15	QP
497.46	H	38.67	46.00	-7.33	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11g TX Channel 6	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

New PCB

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
56.74	V	34.58	40.00	-5.42	QP
90.28	V	34.64	40.00	-5.36	QP
126.48	V	36.78	43.50	-6.72	QP
248.50	V	39.74	46.00	-6.26	QP
374.64	V	35.96	46.00	-10.04	QP
490.96	V	37.24	46.00	-8.76	QP
58.38	H	34.28	40.00	-5.72	QP
238.11	H	38.65	46.00	-7.35	QP
241.62	H	37.24	46.00	-8.76	QP
372.78	H	35.25	46.00	-10.75	QP
391.74	H	36.85	46.00	-9.15	QP
490.96	H	37.67	46.00	-8.33	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11gTX Channel 11	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

New PCB

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
55.94	V	34.13	40.00	-5.87	QP
88.78	V	34.57	40.00	-5.43	QP
123.88	V	36.63	43.50	-6.87	QP
245.50	V	38.74	46.00	-7.26	QP
372.19	V	36.96	46.00	-9.04	QP
489.60	V	36.24	46.00	-9.76	QP
62.38	H	34.28	40.00	-5.72	QP
239.61	H	38.65	46.00	-7.35	QP
244.22	H	37.24	46.00	-8.76	QP
375.78	H	35.35	46.00	-10.65	QP
394.19	H	36.64	46.00	-9.36	QP
492.32	H	37.81	46.00	-8.19	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Adapter 1:

Operation Mode:	802.11n HT20 TX Channel 1	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

New PCB

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
57.98	V	34.05	40.00	-5.95	QP
93.73	V	38.18	43.50	-5.32	QP
124.82	V	36.30	43.50	-7.20	QP
249.18	V	38.27	46.00	-7.73	QP
375.10	V	39.33	46.00	-6.67	QP
499.46	V	41.88	46.00	-4.12	QP
54.87	H	32.97	40.00	-7.03	QP
239.86	H	37.57	46.00	-8.43	QP
249.18	H	40.45	46.00	-5.55	QP
375.10	H	38.01	46.00	-7.99	QP
499.46	H	40.13	46.00	-5.87	QP
796.36	H	36.28	46.00	-9.72	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11n HT20 TX Channel 6	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

New PCB

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
57.18	V	33.12	40.00	-6.88	QP
95.54	V	35.73	43.50	-7.77	QP
126.38	V	34.68	43.50	-8.82	QP
253.50	V	36.57	46.00	-9.43	QP
374.54	V	39.57	46.00	-6.43	QP
491.96	V	39.57	46.00	-6.43	QP
55.24	H	33.68	40.00	-6.32	QP
126.47	H	36.47	43.50	-7.03	QP
163.28	H	35.14	43.50	-8.36	QP
245.86	H	38.47	46.00	-7.53	QP
378.54	H	38.58	46.00	-7.42	QP
493.96	H	37.57	46.00	-8.43	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11n HT20 TX Channel 11	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

New PCB

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
59.18	V	33.12	40.00	-6.88	QP
96.54	V	35.73	43.50	-7.77	QP
128.38	V	34.24	43.50	-9.26	QP
253.50	V	36.47	46.00	-9.53	QP
373.54	V	38.57	46.00	-7.43	QP
492.96	V	39.57	46.00	-6.43	QP
55.27	H	33.47	40.00	-6.53	QP
126.07	H	37.47	43.50	-6.03	QP
163.24	H	36.14	43.50	-7.36	QP
244.86	H	38.47	46.00	-7.53	QP
373.54	H	38.25	46.00	-7.75	QP
492.96	H	37.47	46.00	-8.53	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Adapter 2:

Operation Mode:	802.11n HT20 TX Channel 1	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
57.98	V	34.49	40.00	-5.51	QP
95.29	V	35.60	43.50	-7.90	QP
124.82	V	37.78	43.50	-5.72	QP
249.18	V	39.69	46.00	-6.31	QP
499.46	V	40.27	46.00	-5.73	QP
751.28	V	38.13	46.00	-7.87	QP
57.98	H	32.81	40.00	-7.19	QP
124.82	H	35.68	43.50	-7.82	QP
249.18	H	39.91	46.00	-6.09	QP
375.10	H	37.80	46.00	-8.20	QP
499.46	H	40.22	46.00	-5.78	QP
801.03	H	36.81	46.00	-9.19	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11n HT20 TX Channel 6	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
59.18	V	34.12	40.00	-5.88	QP
96.54	V	35.47	43.50	-8.03	QP
128.38	V	34.24	43.50	-9.26	QP
253.50	V	36.14	46.00	-9.86	QP
497.90	V	38.57	46.00	-7.43	QP
744.78	V	38.57	46.00	-7.43	QP
58.38	H	34.47	40.00	-5.53	QP
126.07	H	36.47	43.50	-7.03	QP
245.62	H	36.14	46.00	-9.86	QP
370.78	H	38.24	46.00	-7.76	QP
497.90	H	38.25	46.00	-7.75	QP
794.53	H	37.41	46.00	-8.59	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11n HT20 TX Channel 11	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
58.38	V	33.72	40	-6.28	QP
95.04	V	36.18	43.5	-7.32	QP
125.78	V	35.07	43.5	-8.43	QP
250.50	V	29.51	46.00	-16.49	QP
495.45	V	31.6	46.00	-14.40	QP
743.42	V	36.73	46.00	-9.27	QP
62.38	H	34.44	40.00	-5.56	QP
127.57	H	34.22	43.5	-9.28	QP
248.22	H	37.48	46.00	-8.52	QP
373.78	H	36.36	46.00	-9.64	QP
500.35	H	37.49	46.00	-8.51	QP
795.89	H	38.19	46.00	-7.81	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Adapter 3:

Operation Mode:	802.11n HT20 TX Channel 1	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
57.98	V	35.49	40.00	-4.51	QP
95.29	V	35.60	43.50	-7.90	QP
124.82	V	37.78	43.50	-5.72	QP
249.18	V	39.69	46.00	-6.31	QP
499.46	V	41.27	46.00	-4.73	QP
751.28	V	38.13	46.00	-7.87	QP
57.98	H	32.81	40.00	-7.19	QP
124.82	H	35.68	43.50	-7.82	QP
249.18	H	39.91	46.00	-6.09	QP
375.10	H	37.80	46.00	-8.20	QP
499.46	H	40.22	46.00	-5.78	QP
801.03	H	36.81	46.00	-9.19	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11n HT20 TX Channel 6	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
59.18	V	35.47	40.00	-4.53	QP
96.54	V	35.24	43.50	-8.26	QP
128.38	V	37.78	43.50	-5.72	QP
253.50	V	39.57	46.00	-6.43	QP
497.90	V	41.27	46.00	-4.73	QP
744.78	V	37.13	46.00	-8.87	QP
58.38	H	33.81	40.00	-6.19	QP
126.07	H	35.47	43.50	-8.03	QP
245.62	H	39.25	46.00	-6.75	QP
370.78	H	37.24	46.00	-8.76	QP
497.90	H	40.22	46.00	-5.78	QP
794.53	H	36.57	46.00	-9.43	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11n HT20 TX Channel 11	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
59.54	V	34.71	40.00	-5.29	QP
96.84	V	38.30	43.50	-5.20	QP
124.82	V	39.05	43.50	-4.45	QP
249.18	V	39.87	46.00	-6.13	QP
499.46	V	39.68	46.00	-6.32	QP
751.28	V	38.48	46.00	-7.52	QP
59.54	H	32.36	40.00	-7.64	QP
124.82	H	36.01	43.50	-7.49	QP
165.24	H	37.16	43.50	-6.34	QP
249.18	H	41.07	46.00	-4.93	QP
499.46	H	39.79	46.00	-6.21	QP
751.28	H	40.39	46.00	-5.61	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Adapter 1:

Operation Mode:	802.11n HT40 TX Channel 3	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
58.54	V	32.71	40.00	-7.29	QP
97.84	V	36.30	43.50	-7.20	QP
124.86	V	37.05	43.50	-6.45	QP
244.18	V	39.47	46.00	-6.53	QP
496.25	V	39.67	46.00	-6.33	QP
758.28	V	38.24	46.00	-7.76	QP
57.54	H	32.36	40.00	-7.64	QP
126.82	H	35.71	43.50	-7.79	QP
165.24	H	36.16	43.50	-7.34	QP
244.18	H	40.07	46.00	-5.93	QP
495.78	H	38.79	46.00	-7.21	QP
751.47	H	39.39	46.00	-6.61	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11n HT40 TX Channel 6	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
59.74	V	33.71	40.00	-6.29	QP
99.09	V	36.27	43.50	-7.23	QP
128.42	V	36.05	43.50	-7.45	QP
248.50	V	38.44	46.00	-7.56	QP
494.69	V	36.67	46.00	-9.33	QP
751.78	V	38.24	46.00	-7.76	QP
57.94	H	32.47	40.00	-7.53	QP
128.07	H	34.71	43.50	-8.79	QP
161.68	H	36.16	43.50	-7.34	QP
239.86	H	39.07	46.00	-6.93	QP
494.22	H	39.79	46.00	-6.21	QP
744.97	H	40.39	46.00	-5.61	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11n HT40 TX Channel 9	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
58.94	V	34.71	40.00	-5.29	QP
97.59	V	36.27	43.50	-7.23	QP
125.82	V	36.43	43.50	-7.07	QP
245.50	V	37.44	46.00	-8.56	QP
492.24	V	38.67	46.00	-7.33	QP
750.42	V	37.24	46.00	-8.76	QP
61.94	H	32.24	40.00	-7.76	QP
129.57	H	34.54	43.50	-8.96	QP
164.28	H	35.16	43.50	-8.34	QP
242.86	H	38.07	46.00	-7.93	QP
496.67	H	39.47	46.00	-6.53	QP
746.33	H	39.39	46.00	-6.61	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Adapter 2:

Operation Mode:	802.11n HT40 TX Channel 3	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
58.54	V	34.75	40.00	-5.25	QP
93.84	V	36.02	43.50	-7.48	QP
125.86	V	34.43	43.50	-9.07	QP
244.18	V	38.44	46.00	-7.56	QP
495.25	V	37.67	46.00	-8.33	QP
758.28	V	37.24	46.00	-8.76	QP
56.54	H	32.58	40.00	-7.42	QP
126.82	H	34.54	43.50	-8.96	QP
164.24	H	35.24	43.50	-8.26	QP
245.18	H	38.37	46.00	-7.63	QP
496.78	H	40.47	46.00	-5.53	QP
751.54	H	38.39	46.00	-7.61	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11n HT40 TX Channel 6	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
59.74	V	34.75	40.00	-5.25	QP
95.09	V	35.02	43.50	-8.48	QP
129.42	V	34.43	43.50	-9.07	QP
248.50	V	37.44	46.00	-8.56	QP
493.69	V	37.67	46.00	-8.33	QP
751.78	V	37.54	46.00	-8.46	QP
56.94	H	32.59	40.00	-7.41	QP
128.07	H	34.54	43.50	-8.96	QP
160.68	H	36.24	43.50	-7.26	QP
240.86	H	40.37	46.00	-5.63	QP
495.22	H	39.47	46.00	-6.53	QP
745.04	H	38.22	46.00	-7.78	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11n HT40 TX Channel 9	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
58.94	V	35.75	40.00	-4.25	QP
93.59	V	36.47	43.50	-7.03	QP
126.82	V	34.43	43.50	-9.07	QP
245.50	V	37.25	46.00	-8.75	QP
491.24	V	36.67	46.00	-9.33	QP
750.42	V	37.54	46.00	-8.46	QP
60.94	H	33.59	40.00	-6.41	QP
129.57	H	35.54	43.50	-7.96	QP
163.28	H	37.24	43.50	-6.26	QP
243.86	H	40.78	46.00	-5.22	QP
497.67	H	38.47	46.00	-7.53	QP
746.40	H	39.45	46.00	-6.55	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Adapter 3:

Operation Mode:	802.11n HT40 TX Channel 3	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
58.24	V	34.75	40.00	-5.25	QP
94.58	V	35.47	43.50	-8.03	QP
126.86	V	33.43	43.50	-10.07	QP
245.18	V	36.25	46.00	-9.75	QP
496.45	V	37.67	46.00	-8.33	QP
759.28	V	38.54	46.00	-7.46	QP
57.54	H	33.59	40.00	-6.41	QP
125.82	H	35.24	43.50	-8.26	QP
164.58	H	37.57	43.50	-5.93	QP
245.64	H	39.78	46.00	-6.22	QP
497.35	H	38.24	46.00	-7.76	QP
752.36	H	38.45	46.00	-7.55	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11n HT40 TX Channel 6	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
59.44	V	33.85	40.00	-6.15	QP
95.83	V	34.47	43.50	-9.03	QP
130.42	V	33.43	43.50	-10.07	QP
249.50	V	36.25	46.00	-9.75	QP
494.89	V	36.67	46.00	-9.33	QP
752.78	V	38.24	46.00	-7.76	QP
57.94	H	33.98	40.00	-6.02	QP
127.07	H	36.24	43.50	-7.26	QP
161.02	H	36.57	43.50	-6.93	QP
241.32	H	40.78	46.00	-5.22	QP
495.79	H	39.24	46.00	-6.76	QP
745.86	H	37.96	46.00	-8.04	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Operation Mode:	802.11n HT40 TX Channel 9	Test Date :	December 20, 2012
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
58.64	V	34.85	40.00	-5.15	QP
94.33	V	35.47	43.50	-8.03	QP
127.82	V	34.43	43.50	-9.07	QP
246.50	V	37.25	46.00	-8.75	QP
492.44	V	38.67	46.00	-7.33	QP
751.42	V	39.24	46.00	-6.76	QP
61.94	H	33.47	40.00	-6.53	QP
128.57	H	36.58	43.50	-6.92	QP
163.62	H	36.27	43.50	-7.23	QP
244.32	H	39.78	46.00	-6.22	QP
498.24	H	39.57	46.00	-6.43	QP
747.22	H	38.96	46.00	-7.04	QP

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.
(4) EUT stood on the table position is the worst case result in the report.

Above 1G Test result

Note: Change one crystal from PH type to SMD type and Change the 0402 package type Capacitance and resistance to 0603 package type not influence above 1GHz of the Radiated Emission

6.6 Radiated Measurement Photos