Test Report

Product Name ： Wireless N Home Networks Camera
Model No. ： DCS-930_A2, DCS-930L_A2
FCC ID. ： KA2CS930LA2

Applicant ： D-Link Corporation
Address ： No.289, Sinhu 3rd Rd., Neihu District, Taipei City 114, Taiwan, R.O.C.

Date of Receipt ： 2012/02/01
Issued Date ： 2012/04/12
Report No. ： 122070R-RFUSP42V01
Report Version ： V1.0

Test Report Certification

Issued Date : 2012/04/12
Report No. : 122070R-RFUSP42V01

QuieTek

Product Name	:	Wireless N Home Networks Camera
Applicant	:	D-Link Corporation
Address	:	No.289, Sinhu 3rd Rd., Neihu District, Taipei City 114, Taiwan, R.O.C.
Manufacturer	:	Alpha Networks Inc.
MODEL NO.	:	DCS-930_A2, DCS-930L_A2
FCC ID.	:	KA2CS930LA2
EUT Voltage	:	AC 100-240V / 50/60Hz
Trade Name	:	D-Link
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247:2011
Test Result	:	Complied

The test results relate only to the samples tested.
The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Documented By : 
(Carol Tsai / Engineering Adm. Specialist)

Reviewed By : 
(Quale Tang / Engineer)

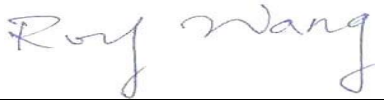
Approved By : 
(Roy Wang / Manager)

TABLE OF CONTENTS

1. General Information

1.1. EUT Description

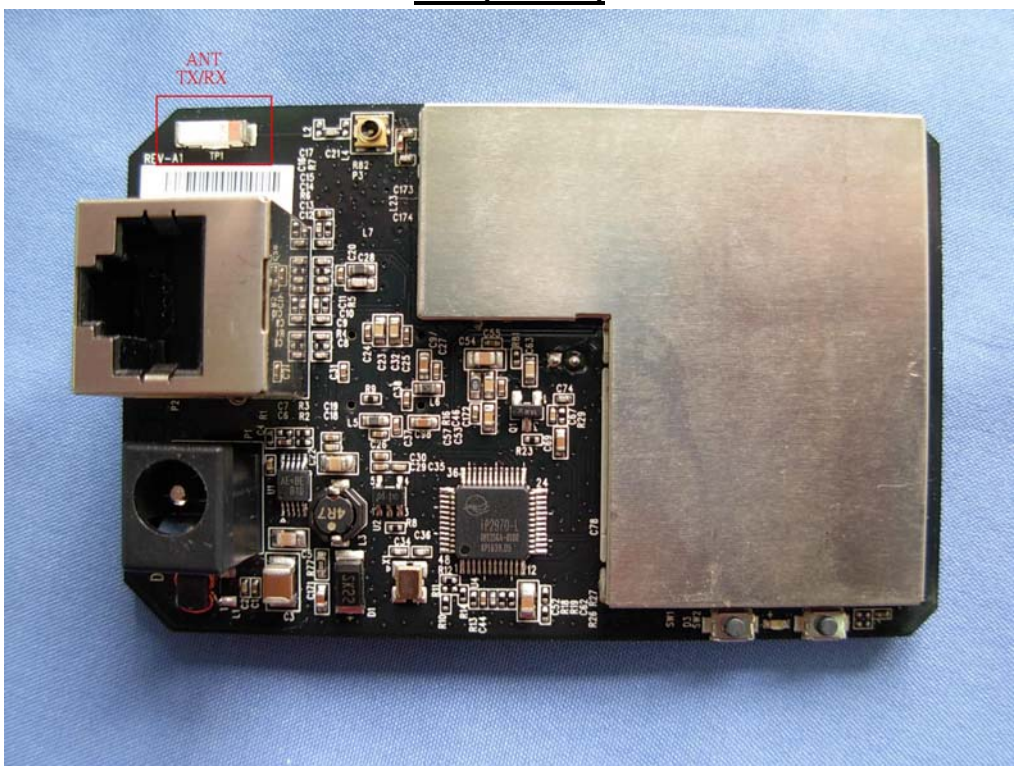
Product Name	Wireless N Home Networks Camera
Product Type	WLAN (1TX, 1RX)
Trade Name	D-Link
Model No.	DCS-930_A2, DCS-930L_A2
Frequency Range -IEEE 802.11b/g & IEEE 802.11n (20MHz)	2412~2462MHz
Frequency Range- IEEE 802.11n (40MHz)	2422~2452MHz
Channel Number (IEEE 802.11b/g & IEEE 802.11n (20MHz))	11
Channel Number- IEEE 802.11n (40MHz)	7
Type of Modulation (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Type of Modulation (IEEE 802.11g/n)	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed (IEEE 802.11b)	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data Speed (IEEE 802.11g)	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps
Data Speed (IEEE 802.11n)	Support a subset of the combination of GI, MCS 0~MCS 7 and bandwidth defined in 802.11n
Antenna Gain	2.1dBi
Channel Control	Manual
Antenna Type	Multilayers Chip

Component	
LAN Cable	Non-Shielded, 1.5m
Power Adapter	D-Link, AMS1-0501200FU I/P: 100-240V ~ 50/60Hz, 0.2A O/P: 5V⎓1.2A Cable Out: Non-Shielded, 1.5m

ANT-TX / Rx & Bandwidth

ANT-TX / Rx	TX		Rx	
Mode/ Channel Bandwidth	20MHz	40MHz	20MHz	40MHz
IEEE802.11b	✓		✓	
IEEE802.11g	✓			
IEEE802.11n	✓	✓	✓	✓

ANT (TX / RX)



IEEE802.11n Spec.

MCS Index	Modulation	R	N_{BPSCS}	N_{CBPS}		N_{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI (Note1)	
								20MHz	40MHz	20MHz	40MHz
0	BPSK	1/2	1	52	108	26	54	6.5	13.5	7.2	15.0
1	QPSK	1/2	2	104	216	52	108	13.0	27.0	14.4	30.0
2	QPSK	3/4	2	104	216	78	162	19.5	40.5	21.7	45.0
3	16-QAM	1/2	4	208	432	104	216	26.0	54.0	28.9	60.0
4	16-QAM	3/4	4	208	432	156	324	39.0	81.0	43.3	90.0
5	64-QAM	2/3	6	312	648	208	432	52.0	108.0	57.8	120.0
6	64-QAM	3/4	6	312	648	234	486	58.5	121.5	65.0	135.0
7	64-QAM	5/6	6	312	648	260	540	65.0	135.0	72.2	150.0
Note 1: Support of 400ns GI is optional on transmit and receive.											

Table 1 – MCS parameters for TX Antenna number = 1

MCS Index	Modulation	R	N_{BPSCS}	N_{CBPS}		N_{DBPS}		Data Rate(Mb/s)			
				20MHz	40MHz	20MHz	40MHz	800ns GI		400ns GI (Note1)	
								20MHz	40MHz	20MHz	40MHz
8	BPSK	1/2	1	104	216	52	108	13.0	27.0	14.4	30.0
9	QPSK	1/2	2	208	432	104	216	26.0	54.0	28.9	60.0
10	QPSK	3/4	2	208	432	156	324	39.0	81.0	43.3	90.0
11	16-QAM	1/2	4	416	864	208	432	52.0	108.0	57.8	120.0
12	16-QAM	3/4	4	416	864	312	648	78.0	162.0	86.7	180.0
13	64-QAM	2/3	6	624	1296	416	864	104.0	216.0	115.6	240.0
14	64-QAM	3/4	6	624	1296	468	972	117.0	243.0	130.0	270.0
15	64-QAM	5/6	6	624	1296	520	1080	130.0	270.0	144.4	300.0
Note 1: Support of 400ns GI is optional on transmit and receive.											

Table 2 – MCS parameters for TX Antenna number = 2

Symbol	Explanation
R	Code rate
N_{BPSC}	Number of coded bits per single carrier
N_{CBPS}	Number of coded bits per symbol
N_{DBPS}	Number of data bits per symbol
GI	guard interval

IEEE 802.11b/g & IEEE 802.11n (20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
001	2412 MHz	002	2417 MHz	003	2422 MHz	004	2427 MHz
005	2432 MHz	006	2437 MHz	007	2442 MHz	008	2447 MHz
009	2452 MHz	010	2457 MHz	011	2462 MHz		

IEEE 802.11n (40MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
003	2422 MHz	004	2427 MHz	005	2432 MHz	006	2437 MHz
007	2442 MHz	008	2447 MHz	009	2452 MHz		

Note:

1. This device is a Wireless N Home Networks Camera including 2.4GHz 11 b/g and 11n (1x1) transmitting and receiving function.
2. The differences of each model are show below:

Model	IR Board		Firmware	Remark
	with	without	Support mydlink function	
DCS-930_A2		V		
DCS-930L_A2		V	V	End user may connect to the internet to view the real time image

3. These test results on a sample of the device are for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.247.
4. Regards to the frequency band operation; the lowest、middle and highest frequency of channel were selected to perform the test, and then shown on this report.
5. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 122070R-RFUSP37V02 under Declaration of Conformity.

1.3. Test Mode

QuieTek has verified the construction and function in typical operation. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

TX	Mode 1: Transmit (Adapter: AMS1-0501200FU)

Test Items	Mode	Channel	Result
Conducted Emission	11n (40MHz)	6	Complies
Peak Power Output	b/g	1 /6/ 11	Complies
	11n(20MHz)	1 /6/ 11	Complies
	11n(40MHz)	3 /6/ 9	Complies
Radiated Emission (Under 1GHz)	b/g	6	Complies
	11n(20MHz)	6	Complies
	11n(40MHz)	6	Complies
Radiated Emission (Above 1GHz)	b/g	1 /6/ 11	Complies
	11n(20MHz)	1 /6/ 11	Complies
	11n(40MHz)	3 /6/ 9	Complies
RF antenna conducted test	b/g	1 /11	Complies
	11n(20MHz)	1 /11	Complies
	11n(40MHz)	3 /9	Complies
Radiated Emission Band Edge	b/g	1 /11	Complies
	11n(20MHz)	1 /11	Complies
	11n(40MHz)	3 /9	Complies
Occupied Bandwidth	b/g	1 /6/ 11	Complies
	11n(20MHz)	1 /6/ 11	Complies
	11n(40MHz)	3 /6/ 9	Complies
Power Density	b/g	1 /6/ 11	Complies
	11n(20MHz)	1 /6/ 11	Complies
	11n(40MHz)	3 /6/ 9	Complies

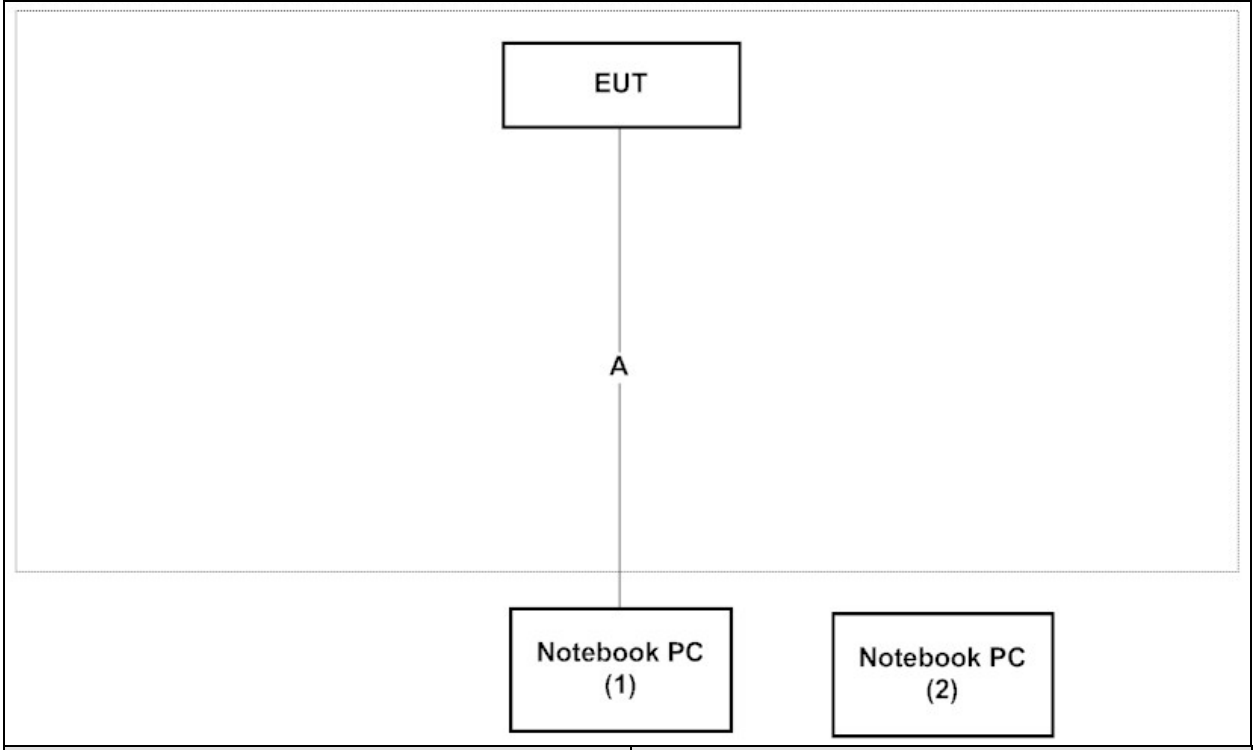
1.4. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	DELL	LATITUDE D400	GK43D1S	DoC	Non-Shielded, 1.7m, one ferrite core bonded
2	Notebook PC	DELL	LATITUDE D400	HK43D1S	DoC	Non-Shielded, 1.7m, one ferrite core bonded

1.5. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	LAN Cable	Non-Shielded, 10m

1.6. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.5.
2	Turn on the power of all equipment.
3	Boot the Notebook PC from Hard Disk.
4	Data will communicate by connecting to LAN port and wireless of Notebook PC.
5	The computer‘s monitor will show the transmitting and receiving characteristics when the communication is success.
6	Repeat the above procedure (4) to (5).

1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	46
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test (DSSS)	15 - 35	24
Humidity (%RH)		25 - 75	49
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	48
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth (DSSS)	15 - 35	26
Humidity (%RH)		25 - 75	46
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	48
Barometric pressure (mbar)		860 - 1060	950-1000

Site Description: September 27, 2010 File on
Federal Communications Commission
Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046
Registration Number: 365520

Accredited by TAF
Accreditation Number: 1313
Effective through: December 27, 2013

Testing Laboratory 1313

Accredited by NVLAP
NVLAP Lab Code: 200347-0
Effective through: September 30, 2012

NVLAP Lab Code : 200347-0

Site Name: Quietek Corporation
Site Address: No. 75-2, 3rd Lin, Wangye Keng, Yonghxing
Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan
TEL : 886-3-5928858 / FAX : 886-3-5928859
E-Mail : service@quietek.com

2. Conducted Emission

2.1. Test Equipment

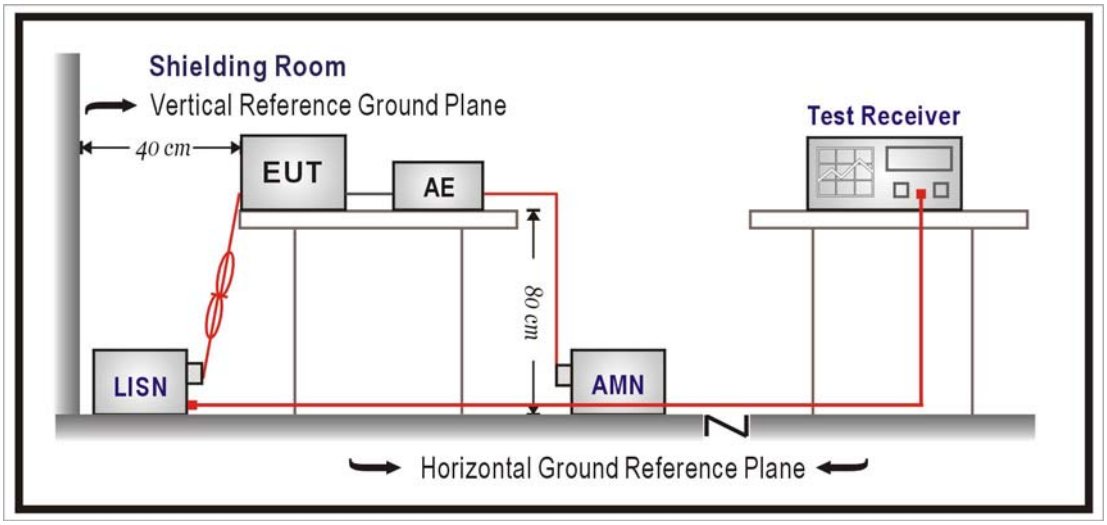
The following test equipments are used during the test:

Conducted Emission / SR2

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2011/03/14
LISN	R&S	ENV216	100092	2011/09/12
Test Receiver	R&S	ESCS 30	825442/014	2011/09/02

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

2.2. Test Setup



2.3. Limits

FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency MHz	QP	AV
0.15 - 0.50	66-56	56-46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

2.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.5. Test Specification

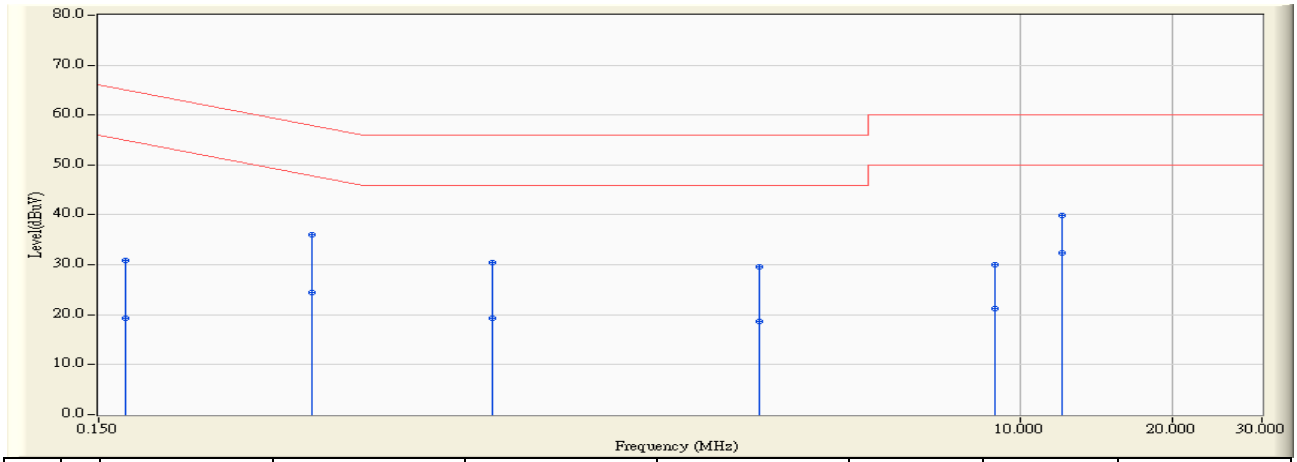
According to FCC Part 15 Subpart C Paragraph 15.207: 2011

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2	**Time : 2010/10/14 - 15:48**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-LISN(16A) - Line1	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-IEEE 802.11n(40M)-2437MHz**

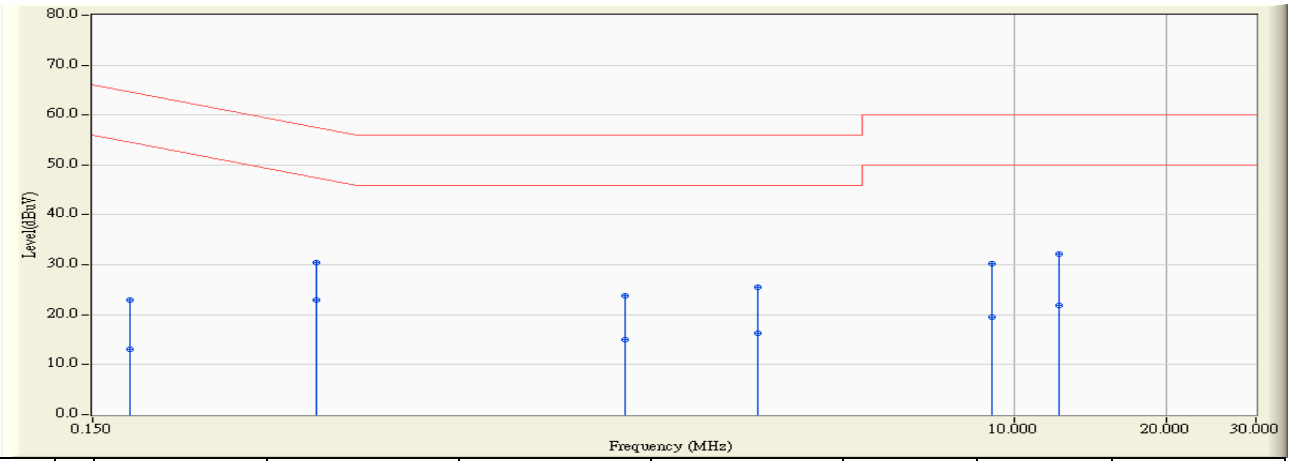


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.170	9.778	21.080	30.858	-34.126	64.983	QUASIPEAK
2		0.170	9.778	9.610	19.388	-35.596	54.983	AVERAGE
3		0.396	9.830	26.160	35.990	-21.945	57.935	QUASIPEAK
4		0.396	9.830	14.520	24.350	-23.585	47.935	AVERAGE
5		0.900	9.662	20.880	30.542	-25.458	56.000	QUASIPEAK
6		0.900	9.662	9.550	19.212	-26.788	46.000	AVERAGE
7		3.048	9.820	19.700	29.520	-26.480	56.000	QUASIPEAK
8		3.048	9.820	8.850	18.670	-27.330	46.000	AVERAGE
9		8.884	9.949	20.110	30.058	-29.942	60.000	QUASIPEAK
10		8.884	9.949	11.240	21.188	-28.812	50.000	AVERAGE
11		12.037	10.069	29.880	39.949	-20.051	60.000	QUASIPEAK
12	*	12.037	10.069	22.210	32.279	-17.721	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : SR2	**Time : 2010/10/14 - 15:51**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-LISN(16A) - Line2	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-IEEE 802.11n(40M)-2437MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.177	9.767	13.230	22.997	-41.612	64.609	QUASIPEAK
2		0.177	9.767	3.410	13.177	-41.432	54.609	AVERAGE
3		0.416	9.838	20.610	30.448	-27.087	57.535	QUASIPEAK
4	*	0.416	9.838	13.090	22.928	-24.607	47.535	AVERAGE
5		1.693	9.745	13.980	23.725	-32.275	56.000	QUASIPEAK
6		1.693	9.745	5.210	14.955	-31.045	46.000	AVERAGE
7		3.107	9.821	15.610	25.431	-30.569	56.000	QUASIPEAK
8		3.107	9.821	6.560	16.381	-29.619	46.000	AVERAGE
9		9.017	9.977	20.370	30.347	-29.653	60.000	QUASIPEAK
10		9.017	9.977	9.640	19.617	-30.383	50.000	AVERAGE
11		12.255	10.127	22.130	32.257	-27.743	60.000	QUASIPEAK
12		12.255	10.127	11.650	21.777	-28.223	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

3. Peak Power Output

3.1. Test Equipment

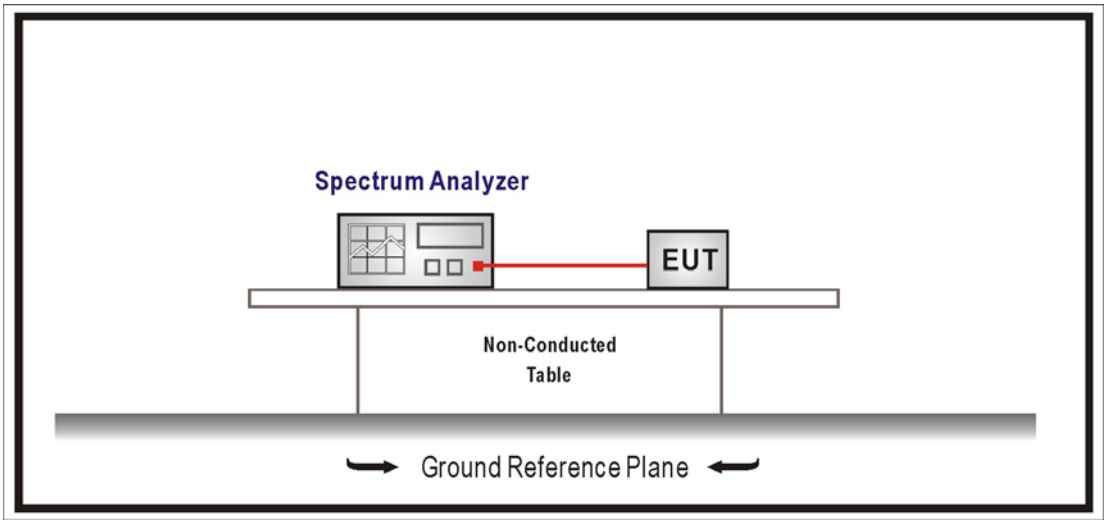
The following test equipments are used during the test:

Peak Power / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2013/02/19

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

3.2. Test Setup



3.3. Test procedures

The EUT was tested according to DTS test procedure of Jan. 2012 KDB558074, Section 5.2.1.2 Measurement Procedure PK2 for compliance to FCC 47CFR 15.247 requirements.

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

3.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

3.7. Test Result

Product	Wireless N Home Networks Camera		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2012/04/06	Test Site	SR7

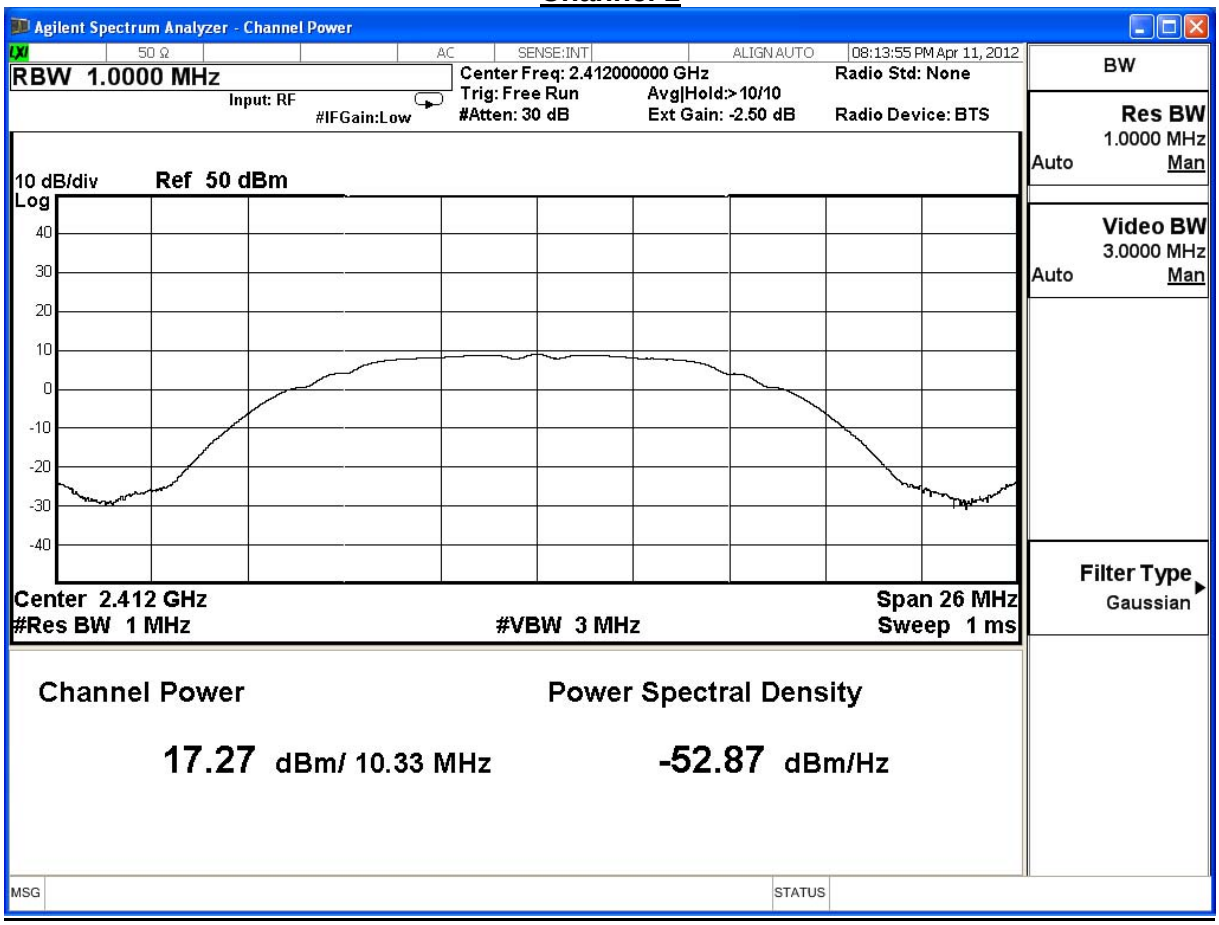
IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	17.27	1Watt= 30 dBm	Pass
6	2437	17.47	1Watt= 30 dBm	Pass
11	2462	17.24	1Watt= 30 dBm	Pass

The worst emission of data rate is 1 Mbps.

Peak Power Output Value (dBm)						
Channel No.	Frequency (MHz)	Data Rate				Required Limit
		1	2	5.5	11	
1	2412.00	17.27	--	--	-	1Watt= 30 dBm
6	2437.00	17.47	16.32	14.22	12.14	1Watt= 30 dBm
11	2462.00	17.24	--	--	-	1Watt= 30 dBm

Note: Measure Level =Reading value + cable loss

Channel 1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RBW 1.0000 MHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
BW
Res BW
1.0000 MHz
Auto
Man
Video BW
3.0000 MHz
Auto
Man
10 dB/div
Log
Ref 50 dBm
40
30
20
10
0
-10
-20
-30
-40
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
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Sweep 1 ms
Filter Type
Gaussian
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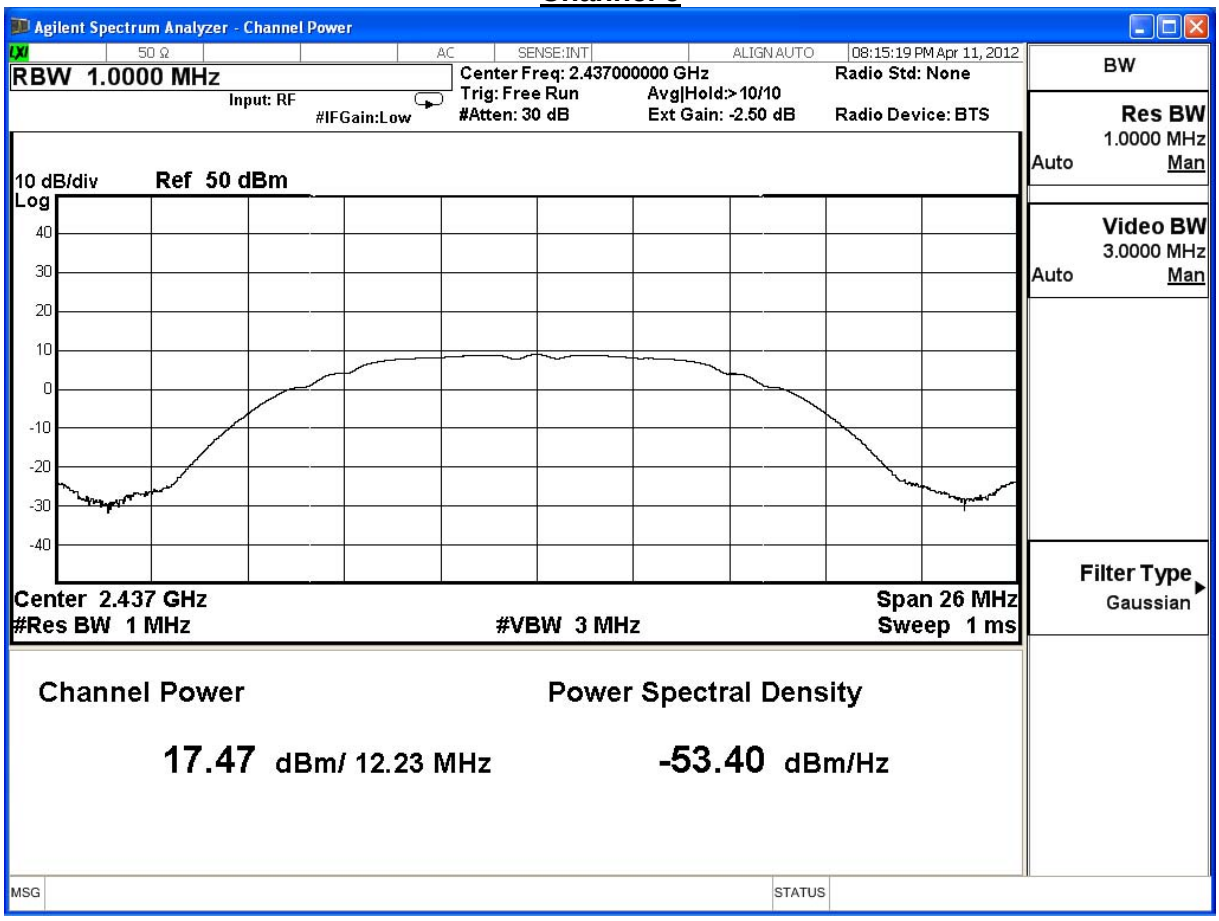
Power Spectral Density
-52.87 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:15:19 PM Apr 11, 2012
RBW 1.0000 MHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
BW
Res BW
1.0000 MHz
Auto
Man
Video BW
3.0000 MHz
Auto
Man
10 dB/div
Log
Ref 50 dBm
40
30
20
10
0
-10
-20
-30
-40
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
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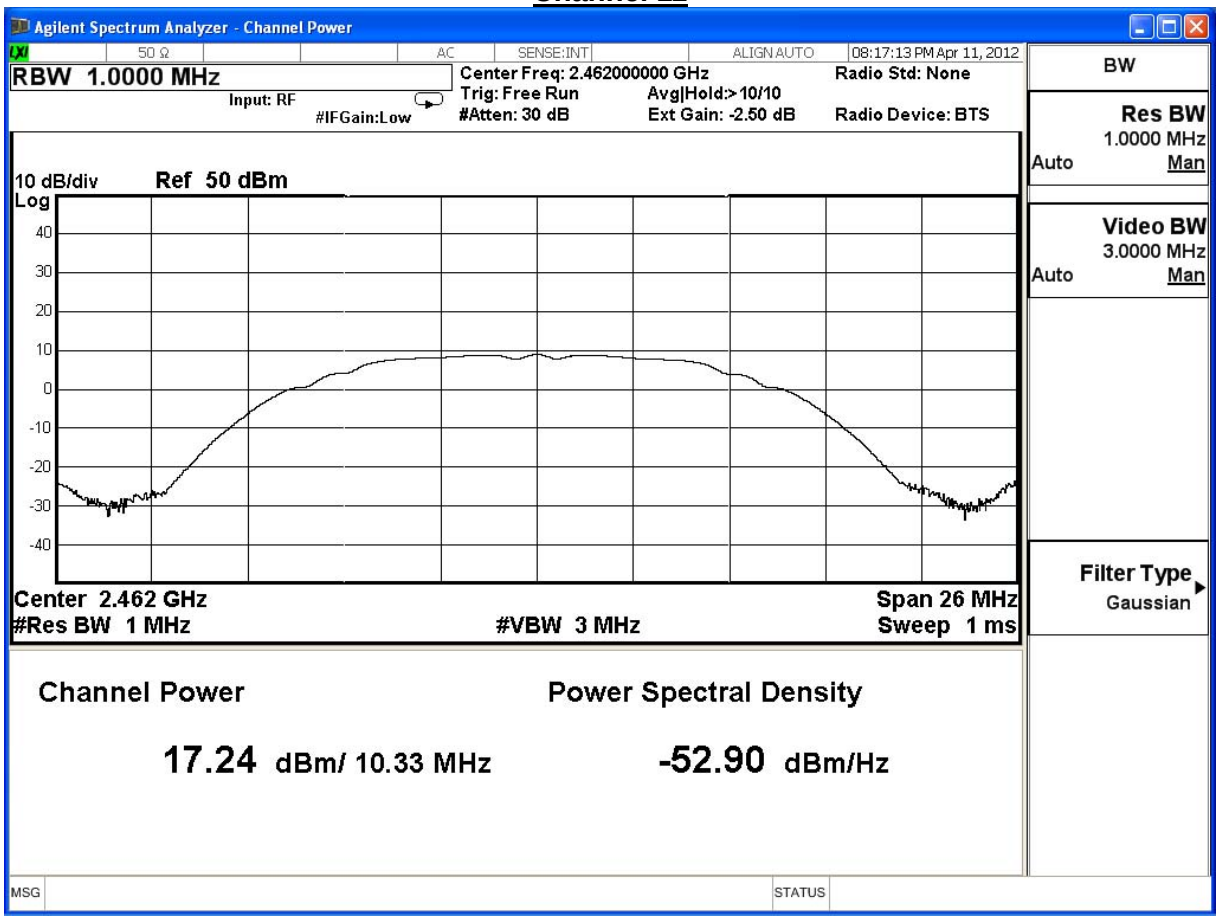
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:17:13 PM Apr 11, 2012
RBW 1.0000 MHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
BW
Res BW
1.0000 MHz
Auto
Man
Video BW
3.0000 MHz
Auto
Man
10 dB/div
Log
Ref 50 dBm
40
30
20
10
0
-10
-20
-30
-40
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
Sweep 1 ms
Filter Type
Gaussian
Channel Power
17.24 dBm/ 10.33 MHz
Power Spectral Density
-52.90 dBm/Hz
MSG
STATUS

Product	Wireless N Home Networks Camera		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2012/04/06	Test Site	SR7

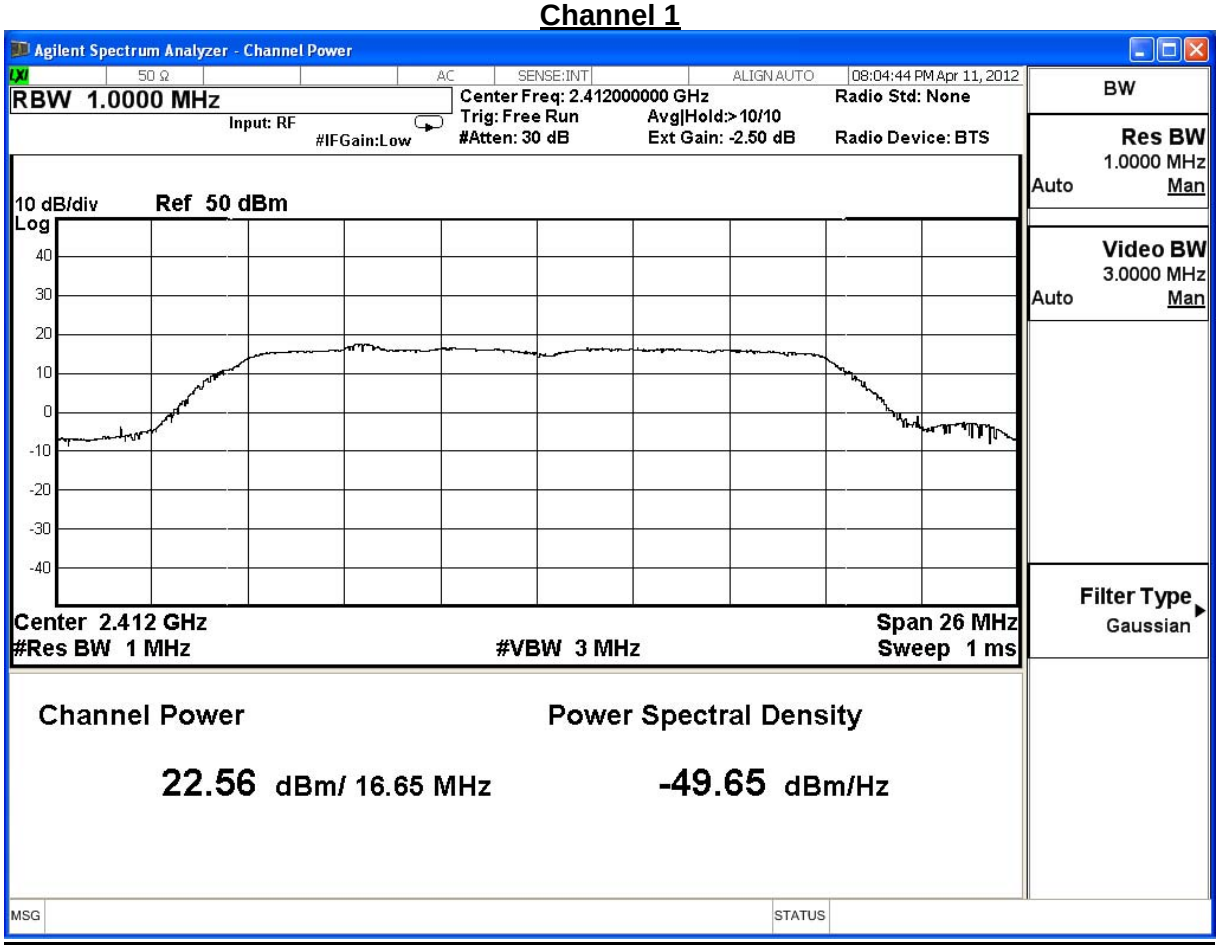
IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	22.56	1Watt= 30 dBm	Pass
6	2437	22.14	1Watt= 30 dBm	Pass
11	2462	22.06	1Watt= 30 dBm	Pass

The worst emission of data rate is 6 Mbps.

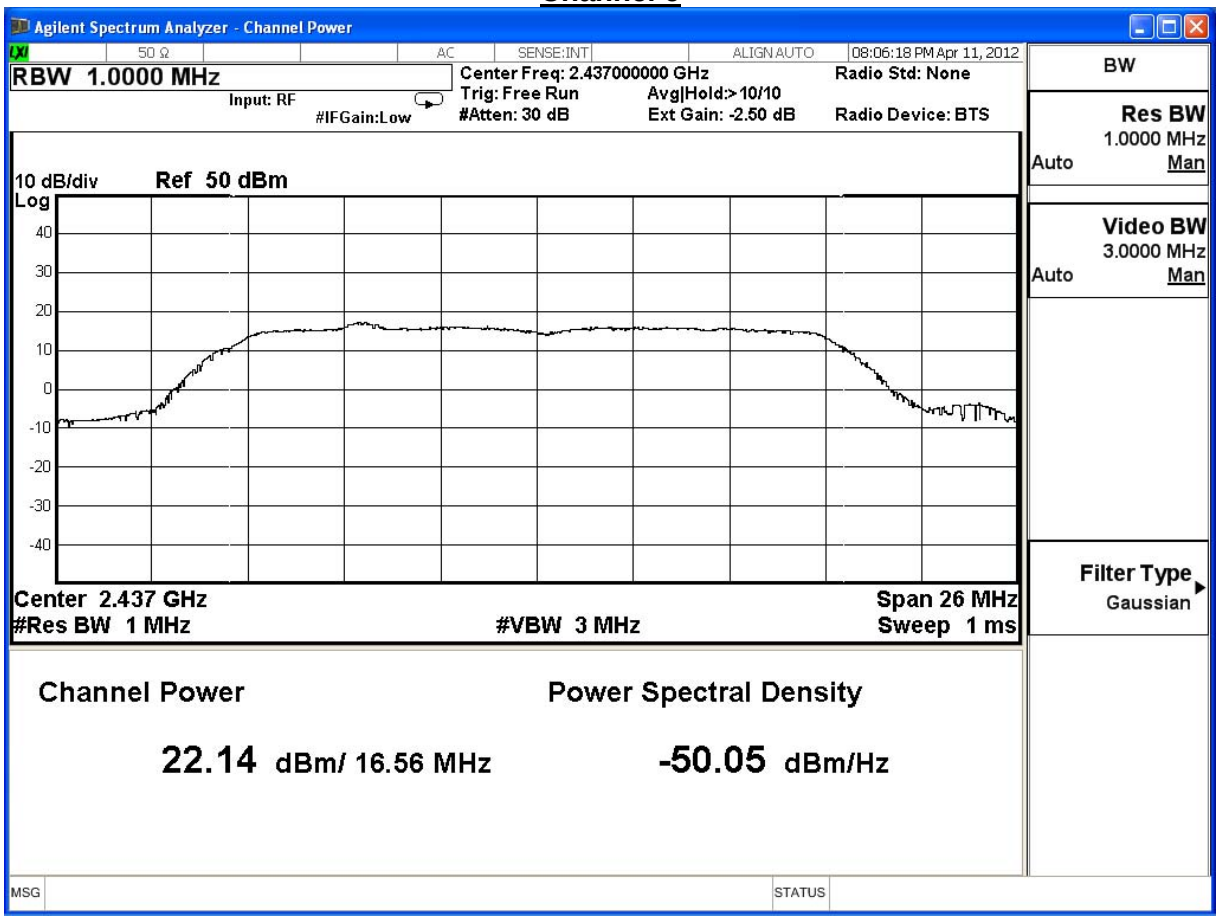
Peak Power Output Value(dBm)									
Channel No.	Frequency (MHz)	Data Rate (Mbps)							Required Limit
		6	12	18	24	36	48	54	
1	2412	22.56	--	--	-	--	--	-	1Watt= 30 dBm
6	2437	22.14	20.62	19.59	18.51	17.49	16.47	15.42	1Watt= 30 dBm
11	2462	22.06	--	--	-	--	--	-	1Watt= 30 dBm

Note: Measure Level =Reading value + cable loss

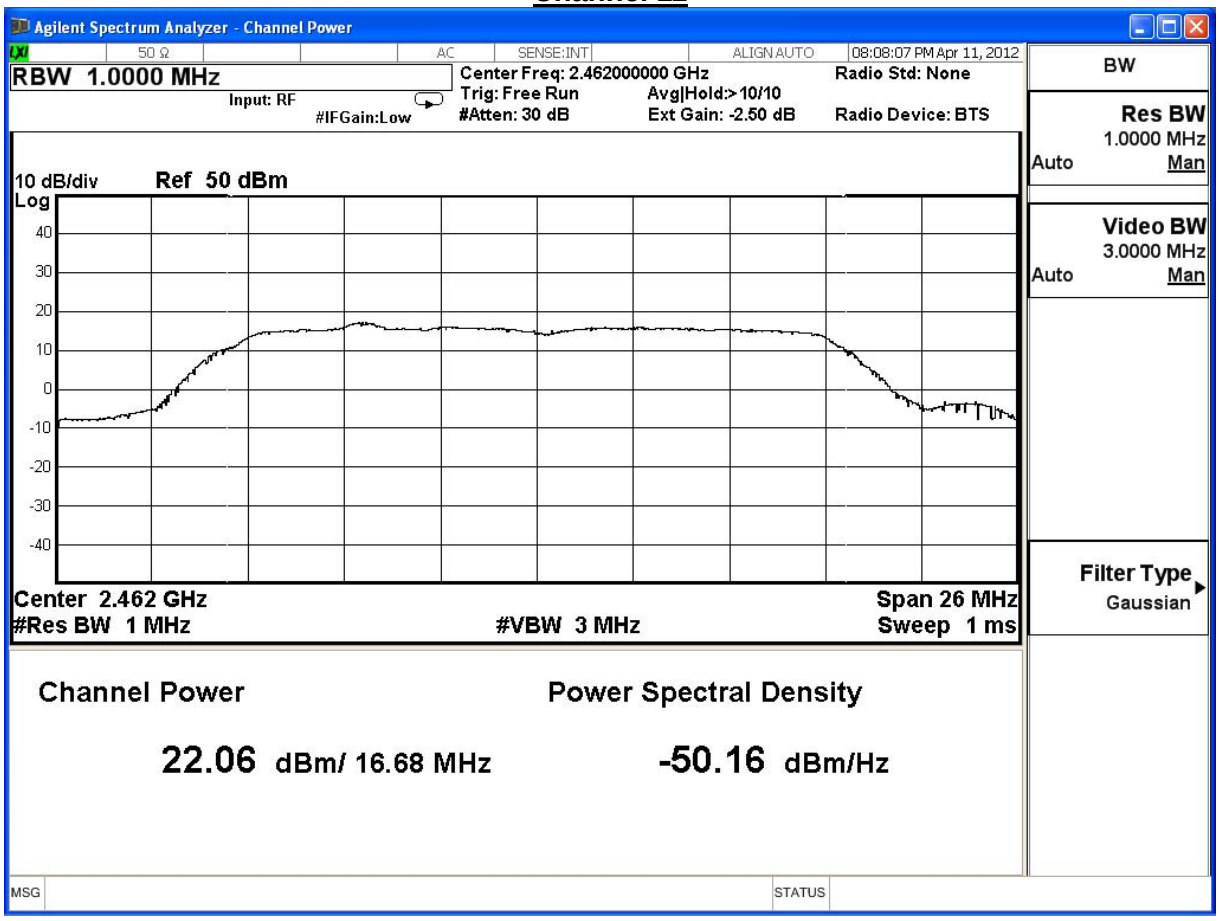
Channel 1


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:04:44 PM Apr 11, 2012
RBW 1.0000 MHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>10/10
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
BW
Res BW
1.0000 MHz
Auto
Man
Video BW
3.0000 MHz
Auto
Man
10 dB/div
Log
Ref 50 dBm
40
30
20
10
0
-10
-20
-30
-40
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
Sweep 1 ms
Filter Type
Gaussian
Channel Power
22.56 dBm/ 16.65 MHz
Power Spectral Density
-49.65 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:06:18 PM Apr 11, 2012
RBW 1.0000 MHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
BW
Res BW
1.0000 MHz
Auto
Man
Video BW
3.0000 MHz
Auto
Man
10 dB/div
Log
Ref 50 dBm
40
30
20
10
0
-10
-20
-30
-40
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
Sweep 1 ms
Filter Type
Gaussian
Channel Power
22.14 dBm/ 16.56 MHz
Power Spectral Density
-50.05 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:08:07 PM Apr 11, 2012
RBW 1.0000 MHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
BW
Res BW
1.0000 MHz
Auto
Man
Video BW
3.0000 MHz
Auto
Man
10 dB/div
Log
Ref 50 dBm
40
30
20
10
0
-10
-20
-30
-40
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
Sweep 1 ms
Filter Type
Gaussian
Channel Power
22.06 dBm/ 16.68 MHz
Power Spectral Density
-50.16 dBm/Hz
MSG
STATUS

Product	Wireless N Home Networks Camera		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2012/04/06	Test Site	SR7

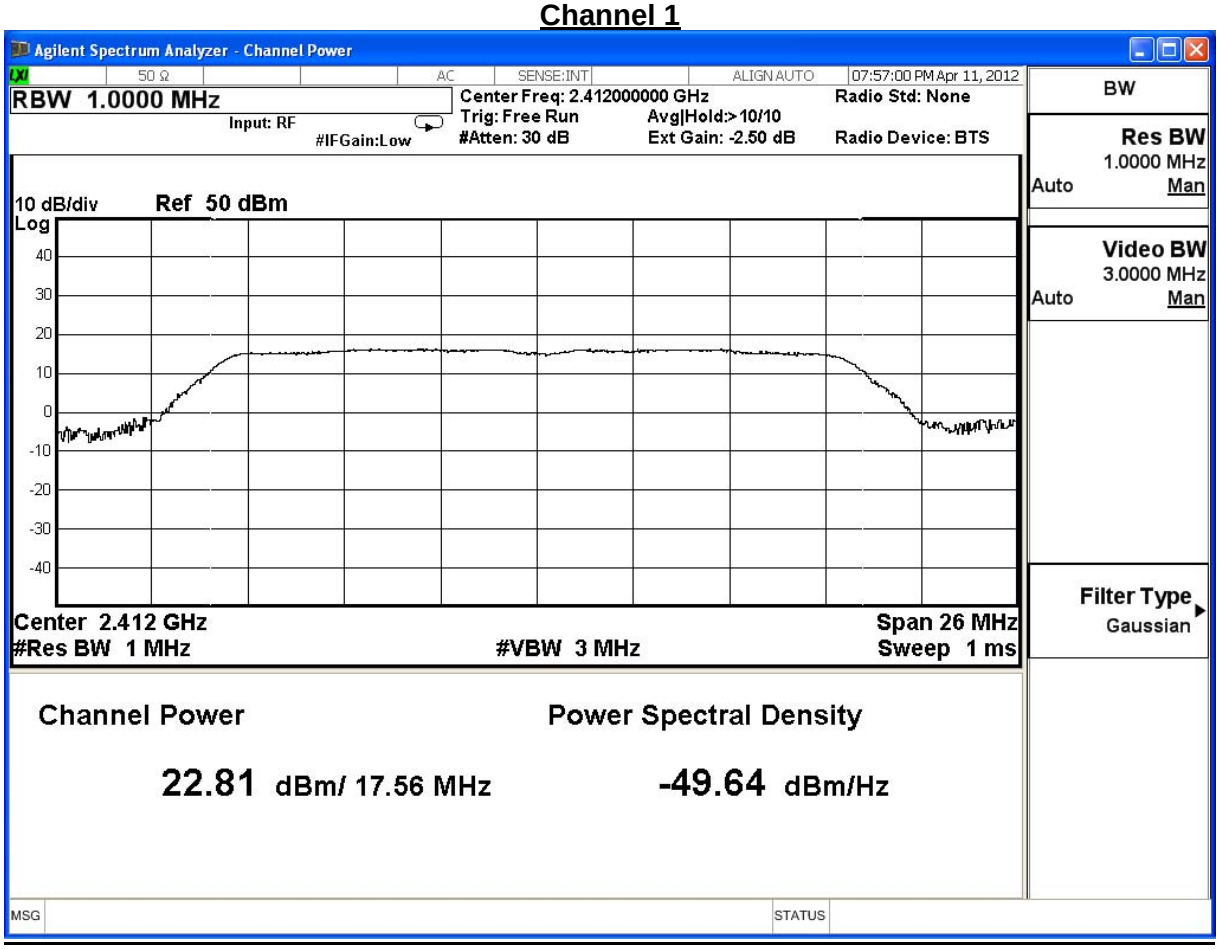
IEEE 802.11n (20MHz)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	22.81	1Watt= 30 dBm	Pass
6	2437	22.32	1Watt= 30 dBm	Pass
11	2462	22.56	1Watt= 30 dBm	Pass

The worst emission of data rate is 6.5 Mbps.

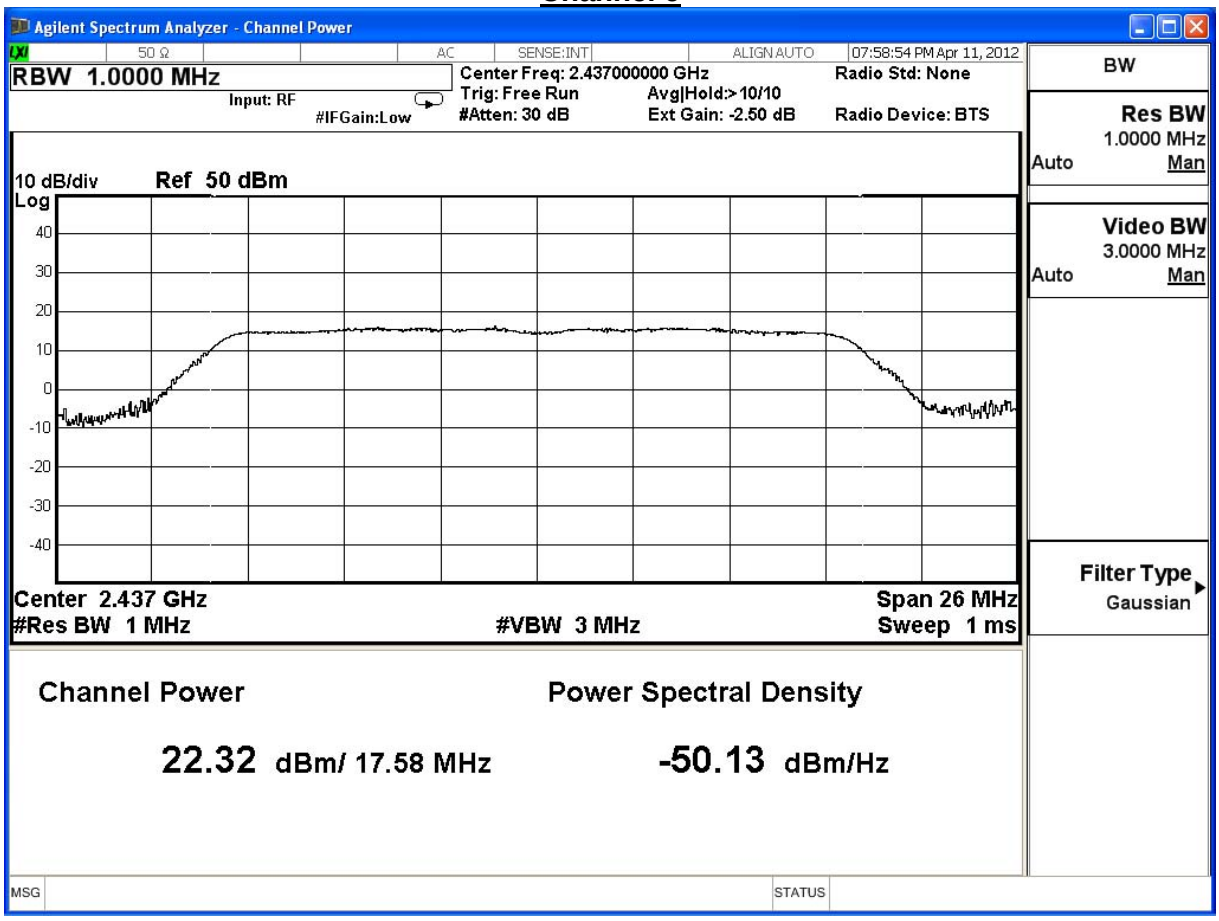
Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		6.5	13	19.5	26	39	52	58.5	65	
1	2412	22.81	--	--	-	--	--	-	--	30dBm
6	2437	22.32	20.11	19.04	18.01	17.63	17.43	16.33	15.23	30dBm
11	2462	22.56	--	--	-	--	--	-	--	30dBm

Note: Measure Level =Reading value + cable loss

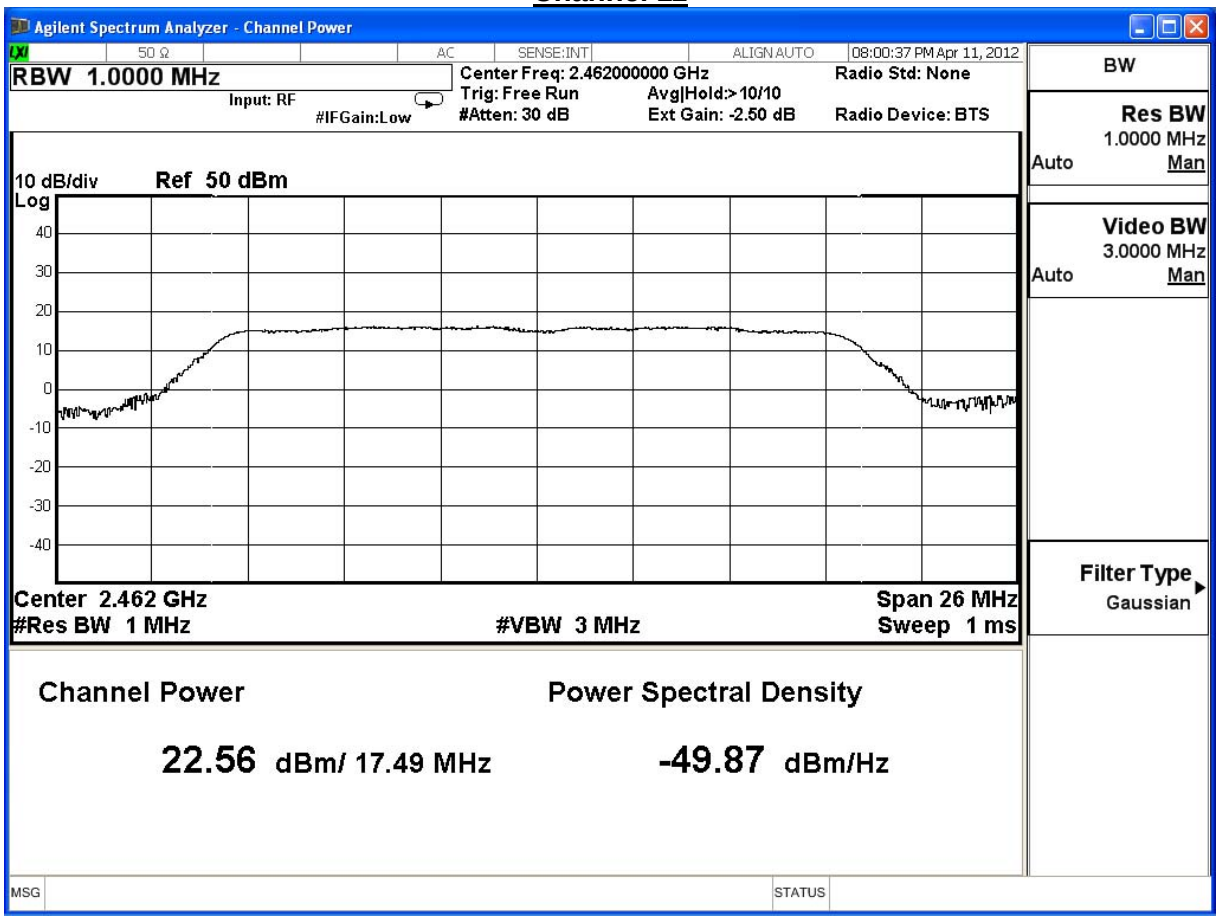
Channel 1


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:57:00 PM Apr 11, 2012
RBW 1.0000 MHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold:>10/10
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
BW
Res BW
1.0000 MHz
Auto
Man
Video BW
3.0000 MHz
Auto
Man
10 dB/div
Log
Ref 50 dBm
40
30
20
10
0
-10
-20
-30
-40
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
Sweep 1 ms
Filter Type
Gaussian
Channel Power
22.81 dBm/ 17.56 MHz
Power Spectral Density
-49.64 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:58:54 PM Apr 11, 2012
RBW 1.0000 MHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
BW
Res BW
1.0000 MHz
Auto
Man
Video BW
3.0000 MHz
Auto
Man
10 dB/div
Log
Ref 50 dBm
40
30
20
10
0
-10
-20
-30
-40
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
Sweep 1 ms
Filter Type
Gaussian
Channel Power
22.32 dBm/ 17.58 MHz
Power Spectral Density
-50.13 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:00:37 PM Apr 11, 2012
RBW 1.0000 MHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
BW
Res BW
1.0000 MHz
Auto
Man
Video BW
3.0000 MHz
Auto
Man
10 dB/div
Log
Ref 50 dBm
40
30
20
10
0
-10
-20
-30
-40
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 26 MHz
Sweep 1 ms
Filter Type
Gaussian
Channel Power
22.56 dBm/ 17.49 MHz
Power Spectral Density
-49.87 dBm/Hz
MSG
STATUS

Product	Wireless N Home Networks Camera		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2012/04/06	Test Site	SR7

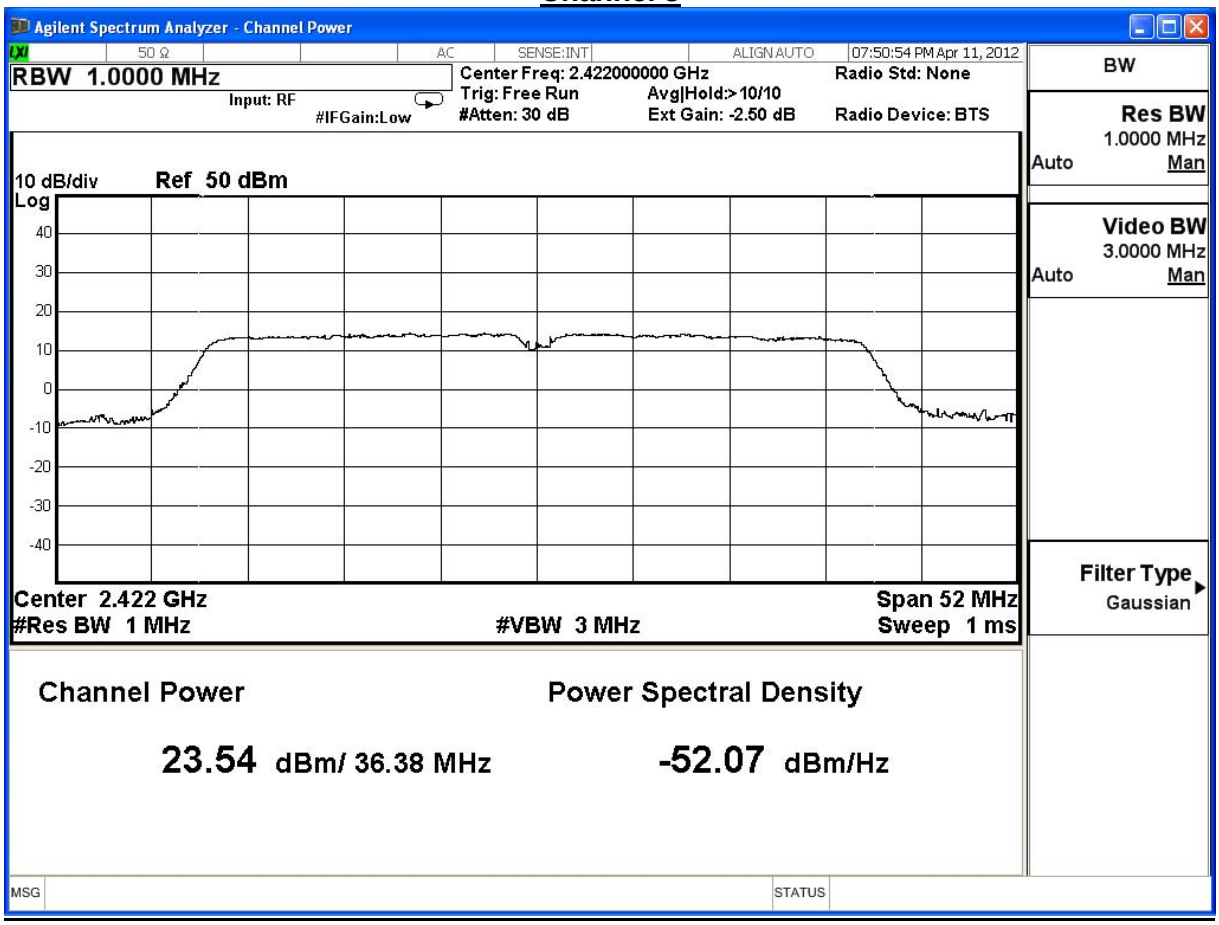
IEEE 802.11n (40MHz)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
3	2422	23.54	1Watt= 30 dBm	Pass
6	2437	23.56	1Watt= 30 dBm	Pass
9	2452	23.85	1Watt= 30 dBm	Pass

The worst emission of data rate is 13.5Mbps

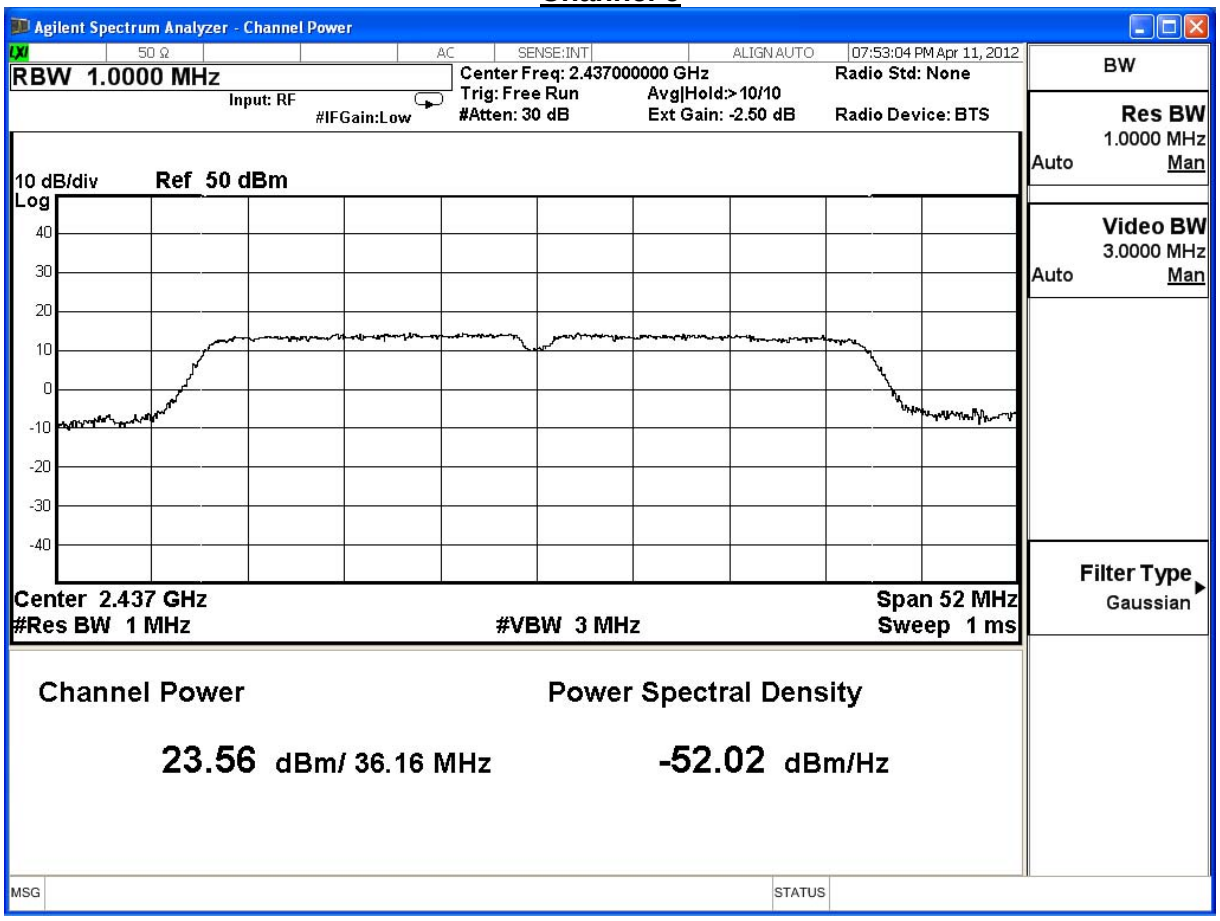
Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Required Limit
Channel No	Frequency (MHz)	Data Rate								
		13.5	27	40.5	54	81	108	121.5	135	
3	2422	23.54	--	--	-	--	--	-	--	30dBm
6	2437	23.56	22.11	21.02	20.81	19.71	18.71	17.61	16.41	30dBm
9	2452	23.85	--	--	-	--	--	-	--	30dBm

Note: Measure Level =Reading value + cable loss

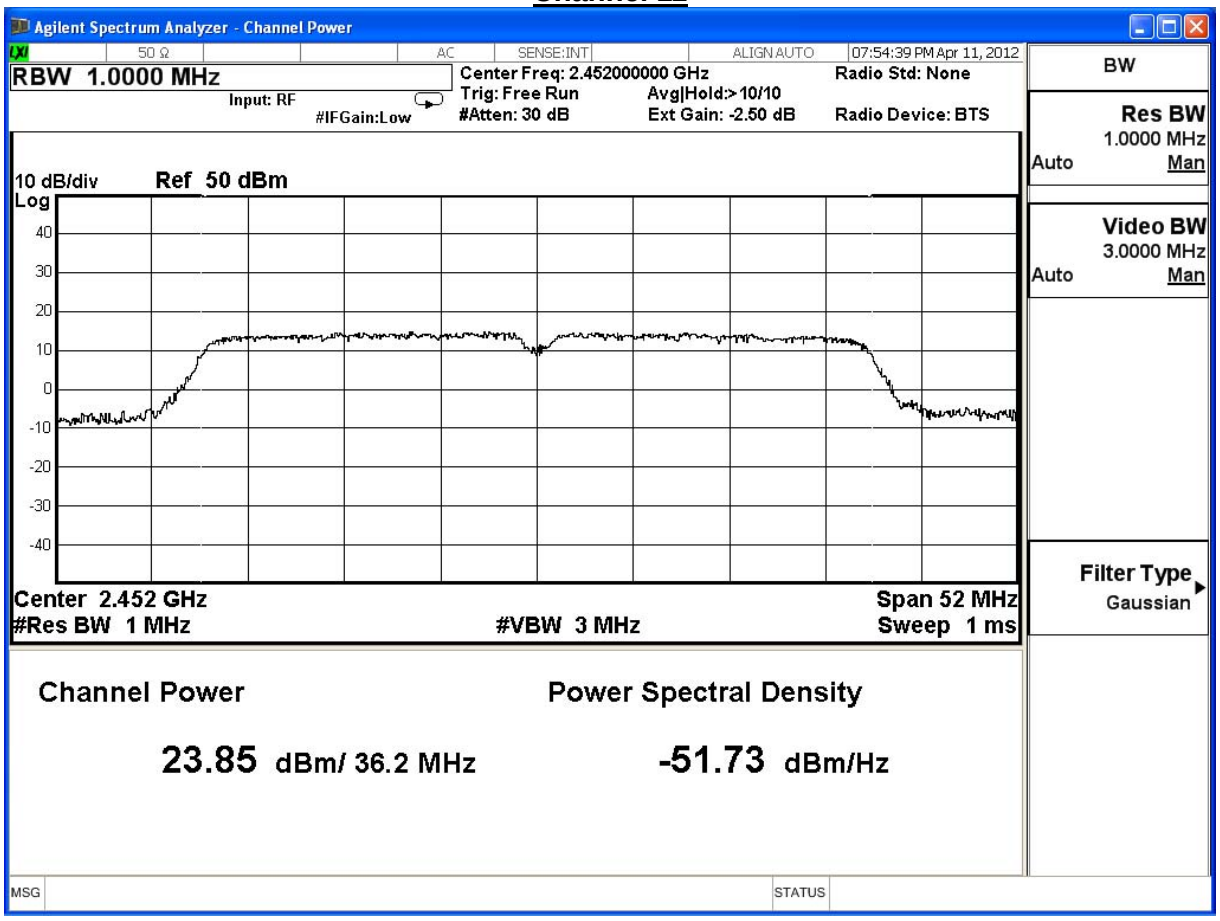
Channel 3


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:50:54 PM Apr 11, 2012
RBW 1.0000 MHz
Input: RF
#IFGain:Low
Center Freq: 2.422000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
BW
Res BW
1.0000 MHz
Auto
Man
Video BW
3.0000 MHz
Auto
Man
10 dB/div
Log
Ref 50 dBm
40
30
20
10
0
-10
-20
-30
-40
Center 2.422 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
Sweep 1 ms
Filter Type
Gaussian
Channel Power
23.54 dBm/ 36.38 MHz
Power Spectral Density
-52.07 dBm/Hz
MSG
STATUS

Channel 6


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:53:04 PM Apr 11, 2012
RBW 1.0000 MHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
BW
Res BW
1.0000 MHz
Auto
Man
Video BW
3.0000 MHz
Auto
Man
10 dB/div
Log
Ref 50 dBm
40
30
20
10
0
-10
-20
-30
-40
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
Sweep 1 ms
Filter Type
Gaussian
Channel Power
23.56 dBm/ 36.16 MHz
Power Spectral Density
-52.02 dBm/Hz
MSG
STATUS

Channel 11


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
07:54:39 PM Apr 11, 2012
RBW 1.0000 MHz
Input: RF
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
Ext Gain: -2.50 dB
Radio Std: None
Radio Device: BTS
BW
Res BW
1.0000 MHz
Auto
Man
Video BW
3.0000 MHz
Auto
Man
10 dB/div
Log
Ref 50 dBm
40
30
20
10
0
-10
-20
-30
-40
Center 2.452 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 52 MHz
Sweep 1 ms
Filter Type
Gaussian
Channel Power
23.85 dBm/ 36.2 MHz
Power Spectral Density
-51.73 dBm/Hz
MSG
STATUS

4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

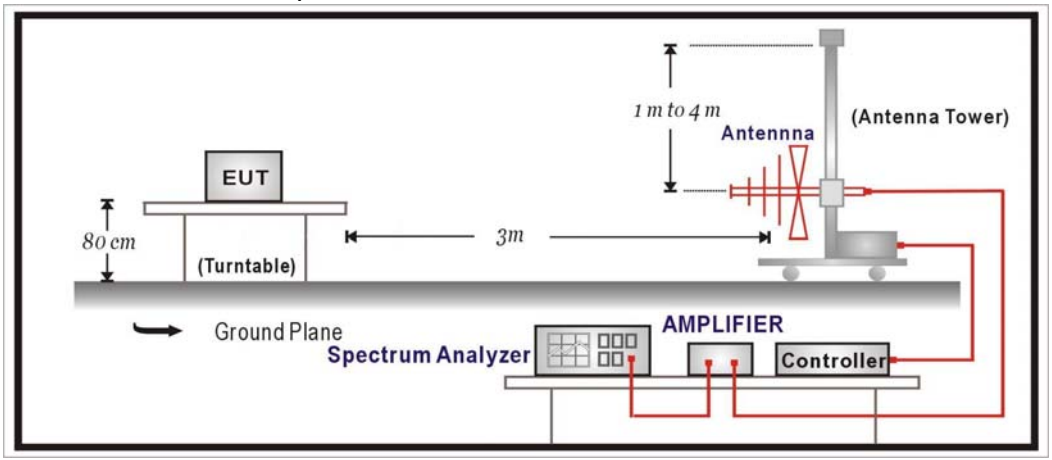
Radiated Emission / CB1

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	SCHAFFNER	CBL6112B	2895	2011/08/14
Horn Antenna	Schwarzback	BBHA 9120D	743	2011/03/14
Pre-Amplifier	MITEQ	AMF-4D-005180-24-10P	888003	2010/12/03
Pre-Amplifier	QuieTek	AP-025C	CHM-0706049	2011/03/25
Spectrum Analyzer	Agilent	E4440A	MY46187335	2011/01/14
Coaxial Cable	Huber+Suhner AG	Sucoflex 102	25623/2	2011/04/07

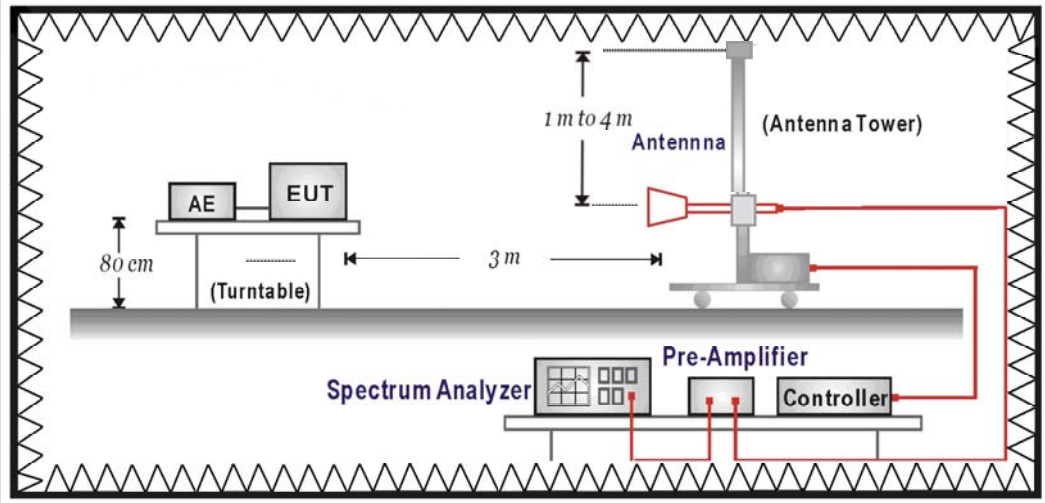
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	dBuV/m	dBuV/m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

4.6. Uncertainty

The measurement uncertainty

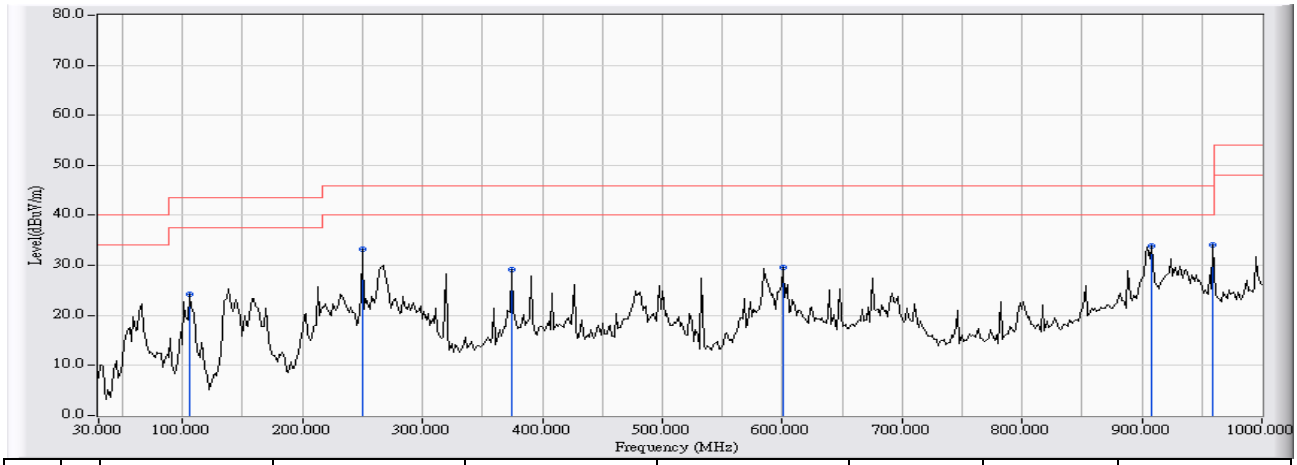
30MHz～1GHz as ±3.43dB

1GHz～26.5Ghz as ±3.65dB

4.7. Test Result

30MHz-1GHz Spurious

Site : CB1	**Time : 2010/10/20 - 09:05**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : FCC_30-1G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU) -802.11b -2437MHz**

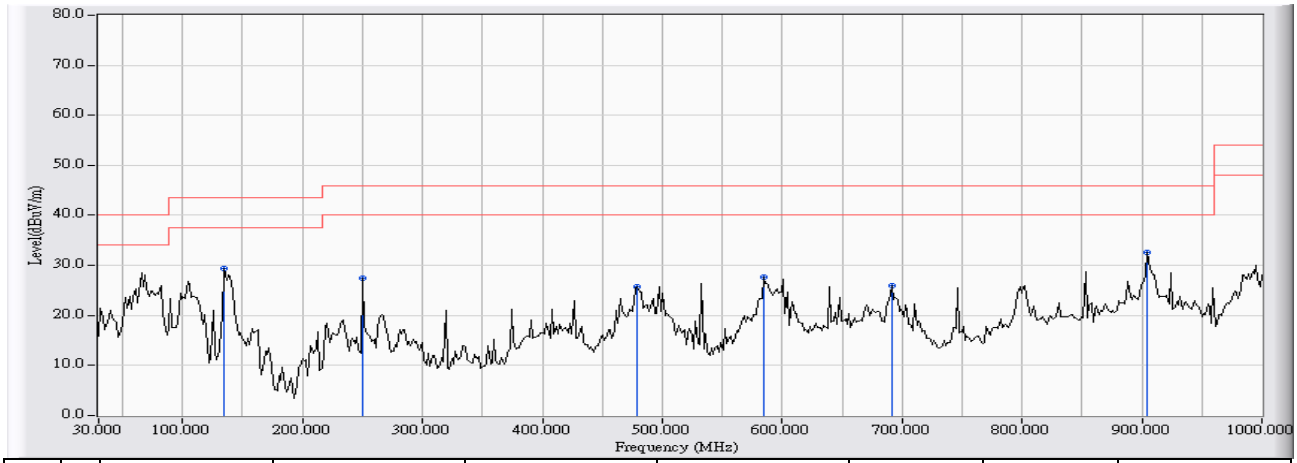


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		105.983	-15.660	39.950	24.290	-19.210	43.500	Quasi-Peak
2		249.867	-13.345	46.678	33.333	-12.667	46.000	Quasi-Peak
3		374.350	-11.196	40.285	29.089	-16.911	46.000	Quasi-Peak
4		600.683	-2.795	32.418	29.623	-16.377	46.000	Quasi-Peak
5		907.850	-1.454	35.427	33.973	-12.027	46.000	Quasi-Peak
6	*	959.583	1.179	32.891	34.070	-11.930	46.000	Quasi-Peak

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2010/10/20 - 09:25**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : FCC_30-1G - VERTICAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU) -802.11b -2437MHz**

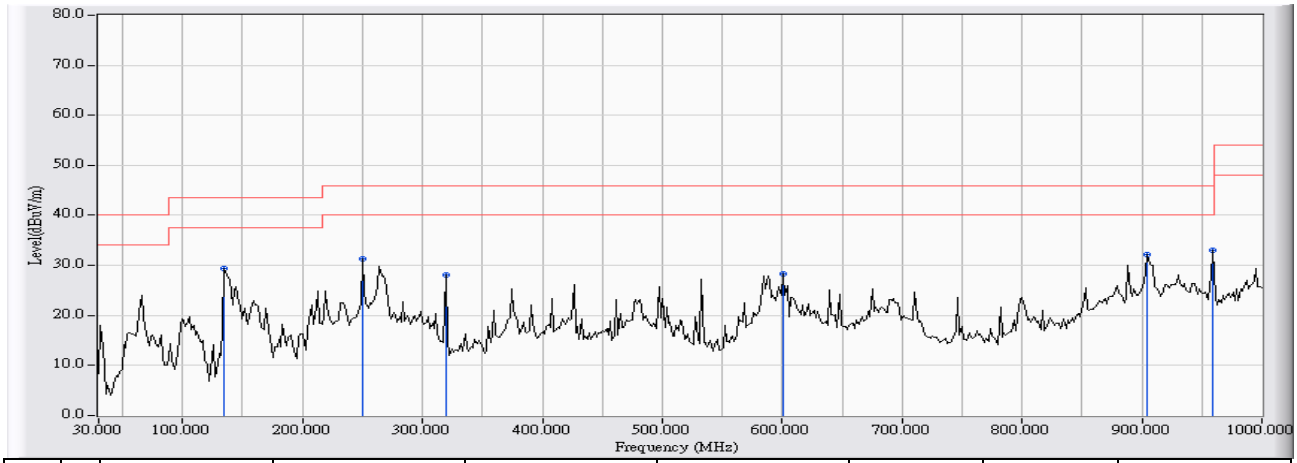


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		135.083	-11.868	41.296	29.428	-14.072	43.500	Quasi-Peak
2		249.867	-14.145	41.621	27.476	-18.524	46.000	Quasi-Peak
3		479.433	-4.781	30.484	25.703	-20.297	46.000	Quasi-Peak
4		584.517	-6.303	33.867	27.563	-18.437	46.000	Quasi-Peak
5		691.217	-7.076	32.999	25.923	-20.077	46.000	Quasi-Peak
6	*	904.617	-3.344	35.939	32.595	-13.405	46.000	Quasi-Peak

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2010/10/20 - 09:33**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : FCC_30-1G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU) -802.11g -2437MHz**

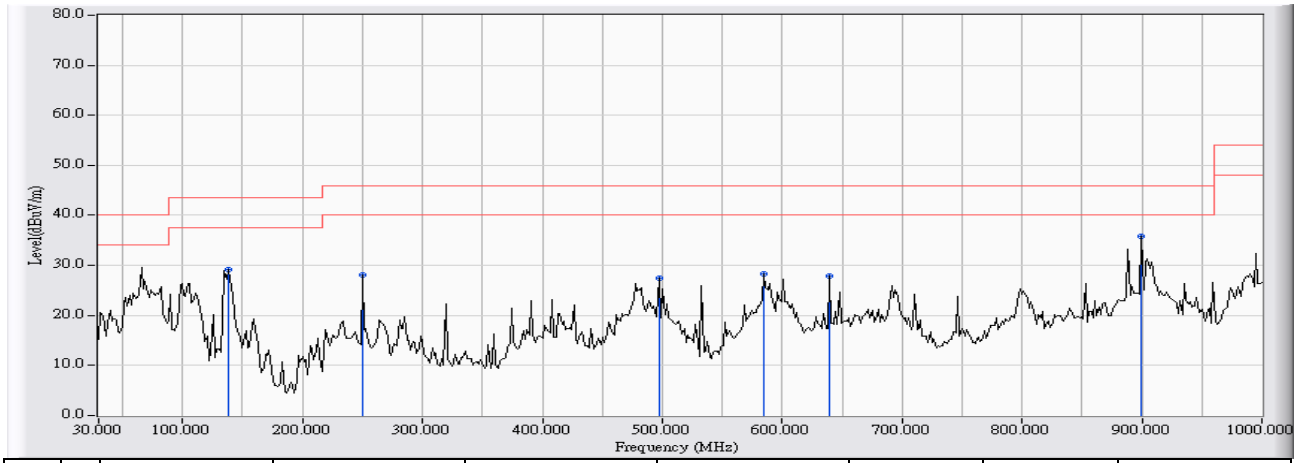


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		135.083	-11.868	41.343	29.475	-14.025	43.500	Quasi-Peak
2		249.867	-14.145	45.554	31.409	-14.591	46.000	Quasi-Peak
3		319.383	-13.395	41.405	28.010	-17.990	46.000	Quasi-Peak
4		600.683	-3.087	31.438	28.351	-17.649	46.000	Quasi-Peak
5		904.617	-3.344	35.442	32.098	-13.902	46.000	Quasi-Peak
6	*	959.583	-5.055	38.118	33.063	-12.937	46.000	Quasi-Peak

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2010/10/20 - 09:36**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : FCC_30-1G - VERTICAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU) -802.11g -2437MHz**

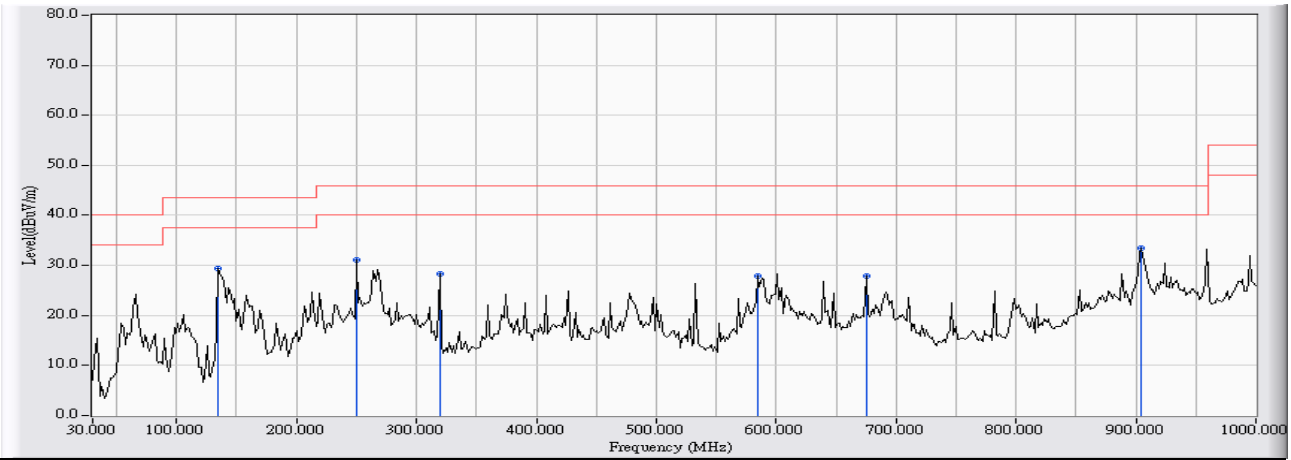


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		138.317	-12.428	41.607	29.180	-14.320	43.500	Quasi-Peak
2		249.867	-14.145	42.328	28.183	-17.817	46.000	Quasi-Peak
3		497.217	-6.414	33.836	27.422	-18.578	46.000	Quasi-Peak
4		584.517	-6.303	34.701	28.397	-17.603	46.000	Quasi-Peak
5		639.483	-3.705	31.645	27.940	-18.060	46.000	Quasi-Peak
6	*	899.767	-3.980	39.745	35.765	-10.235	46.000	Quasi-Peak

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2010/10/20 - 09:42**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : FCC_30-1G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU) -802.11n(20M) -2437MHz**

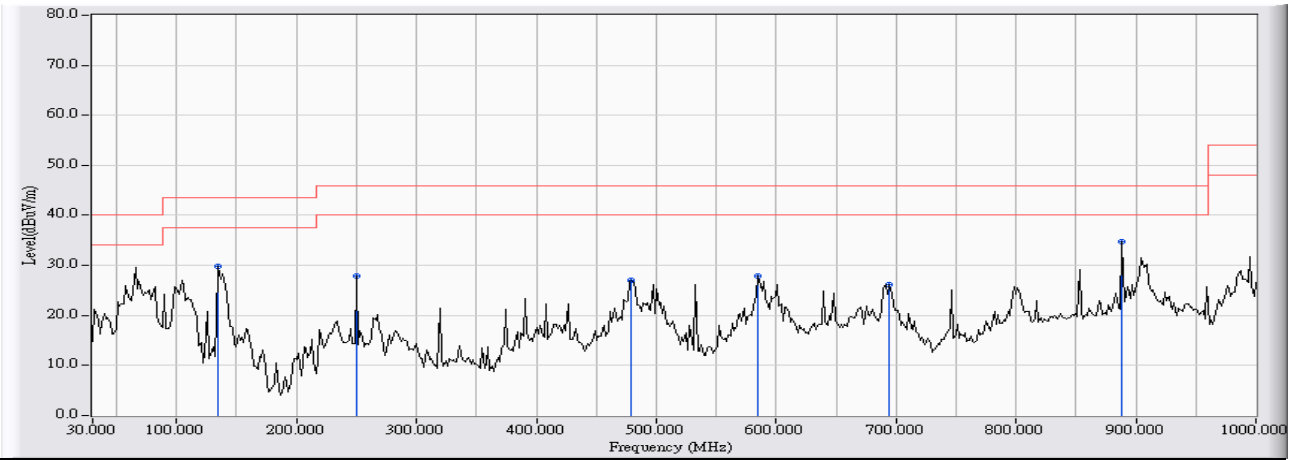


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		135.083	-15.744	45.086	29.342	-14.158	43.500	Quasi-Peak
2		249.867	-13.345	44.382	31.037	-14.963	46.000	Quasi-Peak
3		319.383	-10.873	39.261	28.388	-17.612	46.000	Quasi-Peak
4		584.517	-5.455	33.292	27.836	-18.164	46.000	Quasi-Peak
5		675.050	-3.408	31.351	27.944	-18.056	46.000	Quasi-Peak
6	*	904.617	-1.247	34.643	33.396	-12.604	46.000	Quasi-Peak

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2010/10/20 - 09:45**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : FCC_30-1G - VERTICAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU) -802.11n(20M) -2437MHz**

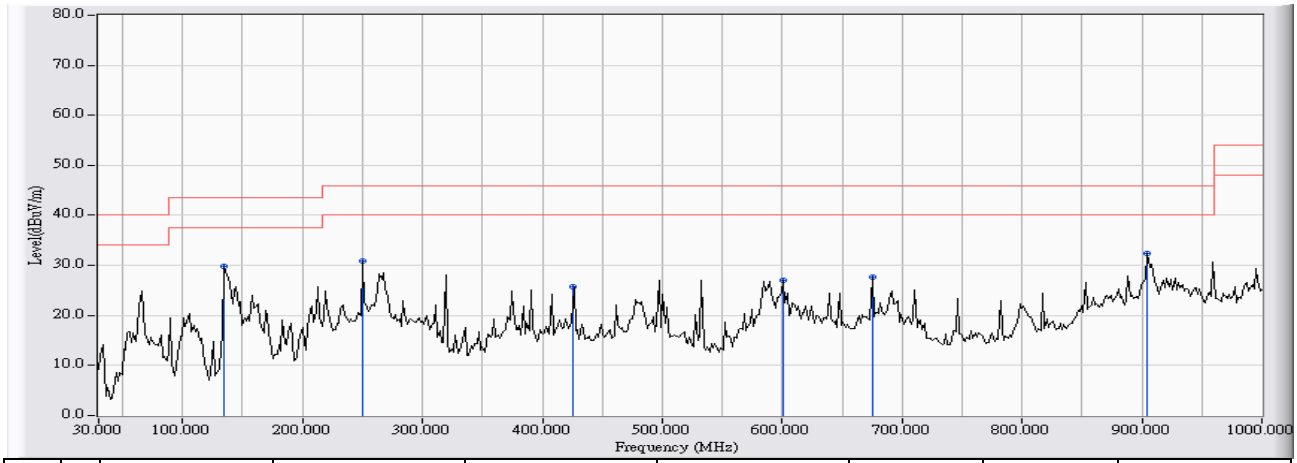


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		135.083	-11.868	41.579	29.711	-13.789	43.500	Quasi-Peak
2		249.867	-14.145	41.925	27.780	-18.220	46.000	Quasi-Peak
3		479.433	-4.781	31.786	27.005	-18.995	46.000	Quasi-Peak
4		584.517	-6.303	34.246	27.942	-18.058	46.000	Quasi-Peak
5		694.450	-7.116	33.297	26.182	-19.818	46.000	Quasi-Peak
6	*	888.450	-3.113	37.779	34.666	-11.334	46.000	Quasi-Peak

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2010/10/20 - 09:51**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : FCC_30-1G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU) -802.11n(40M) -2437MHz**

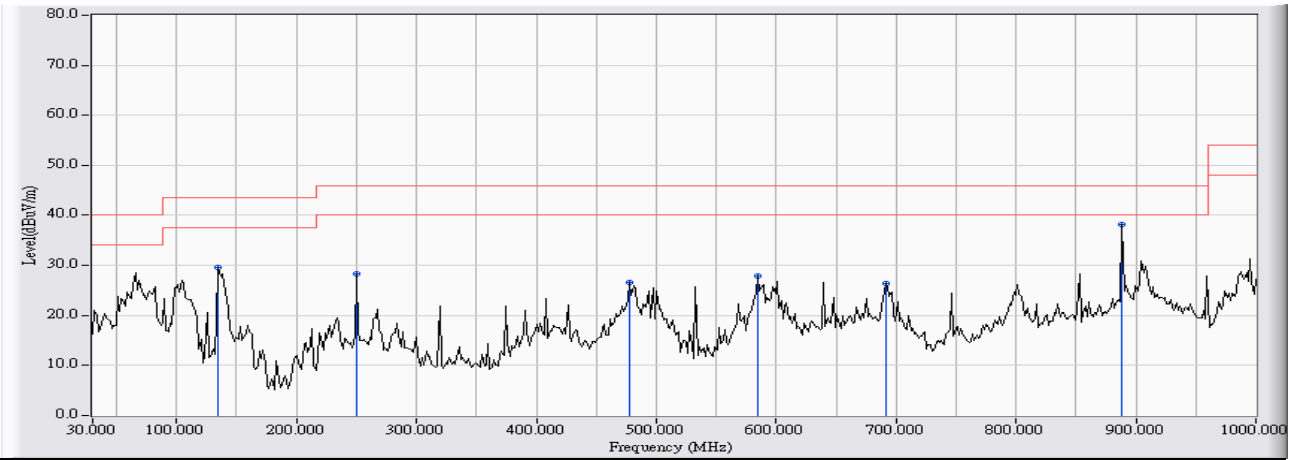


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	135.083	-15.744	45.634	29.890	-13.610	43.500	Quasi-Peak
2		249.867	-13.345	44.317	30.972	-15.028	46.000	Quasi-Peak
3		426.083	-5.040	30.759	25.719	-20.281	46.000	Quasi-Peak
4		600.683	-2.795	29.807	27.012	-18.988	46.000	Quasi-Peak
5		675.050	-3.408	31.075	27.668	-18.332	46.000	Quasi-Peak
6		904.617	-1.247	33.618	32.371	-13.629	46.000	Quasi-Peak

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB1	**Time : 2010/10/20 - 09:55**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : FCC_30-1G - VERTICAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU) -802.11n(40M) -2437MHz**



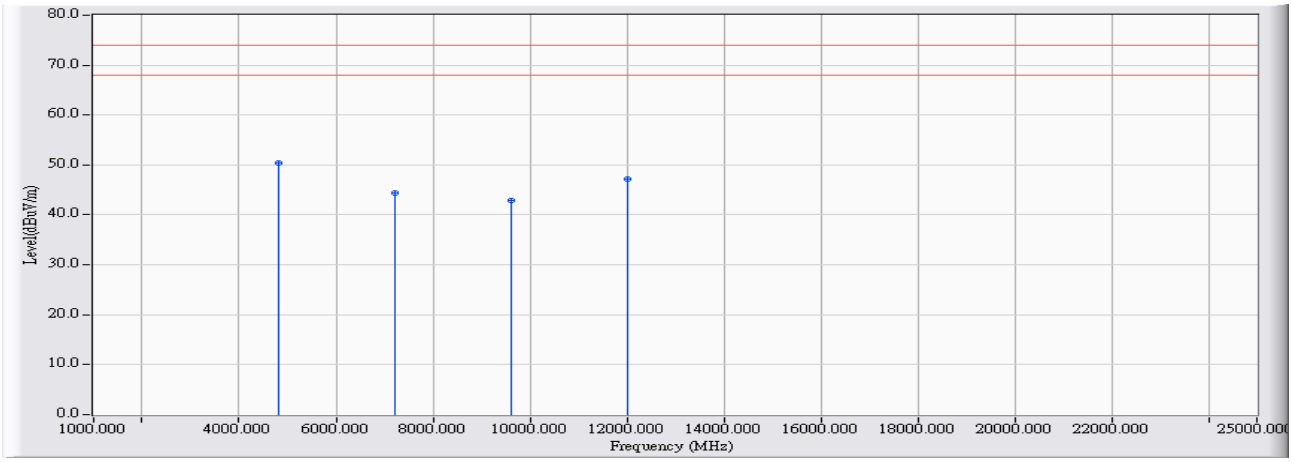
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		135.083	-11.868	41.390	29.522	-13.978	43.500	Quasi-Peak
2		249.867	-14.145	42.417	28.272	-17.728	46.000	Quasi-Peak
3		477.817	-4.361	30.962	26.601	-19.399	46.000	Quasi-Peak
4		584.517	-6.303	34.159	27.855	-18.145	46.000	Quasi-Peak
5		691.217	-7.076	33.490	26.414	-19.586	46.000	Quasi-Peak
6	*	888.450	-3.113	41.376	38.263	-7.737	46.000	Quasi-Peak

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Harmonic & Spurious:

Site : CB1	**Time : 2010/10/11 - 15:55**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit** **(Adapter: AMS1-0501200FU)-802.11b-2412MHz**

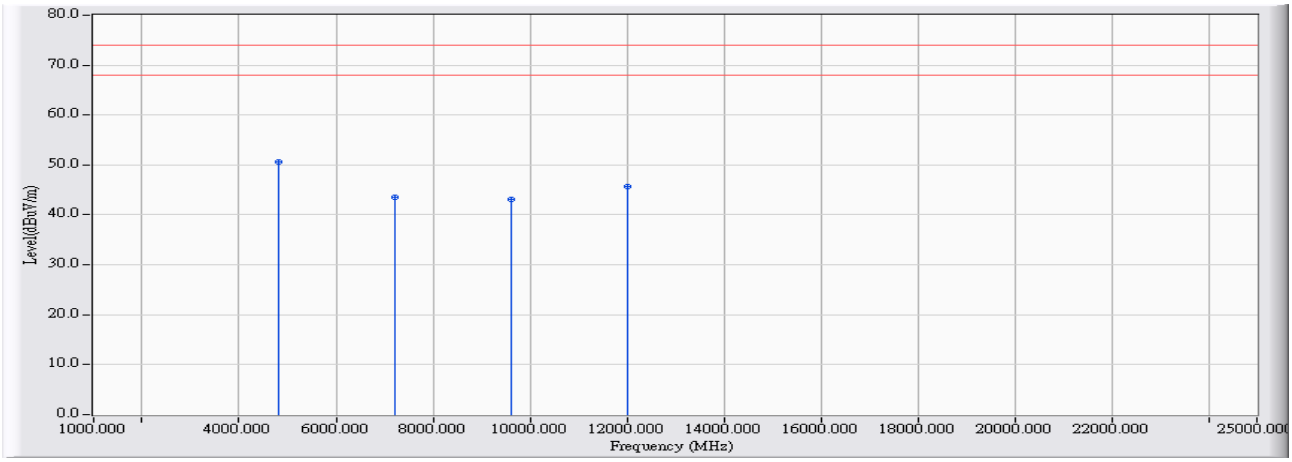


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4823.960	-0.733	51.070	50.337	-23.663	74.000	54.00	PEAK
2		7226.090	6.267	38.140	44.407	-29.593	74.000	54.00	PEAK
3		9627.530	7.522	35.440	42.963	-31.037	74.000	54.00	PEAK
4		12029.530	10.935	36.300	47.235	-26.765	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 16:06**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - VERTICAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU) -802.11b-2412MHz**

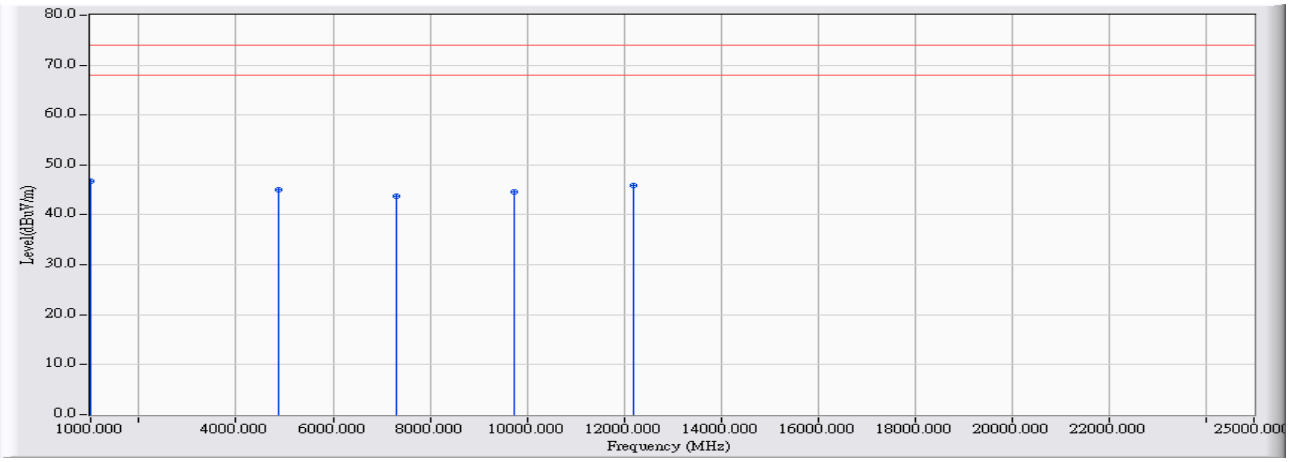


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4823.990	-0.842	51.420	50.578	-23.422	74.000	54.00	PEAK
2		7225.990	6.392	37.040	43.432	-30.568	74.000	54.00	PEAK
3		9627.990	7.752	35.270	43.023	-30.977	74.000	54.00	PEAK
4		12029.990	9.830	35.790	45.620	-28.380	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/15 - 16:17**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT: Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU) -802.11b-2437MHz**

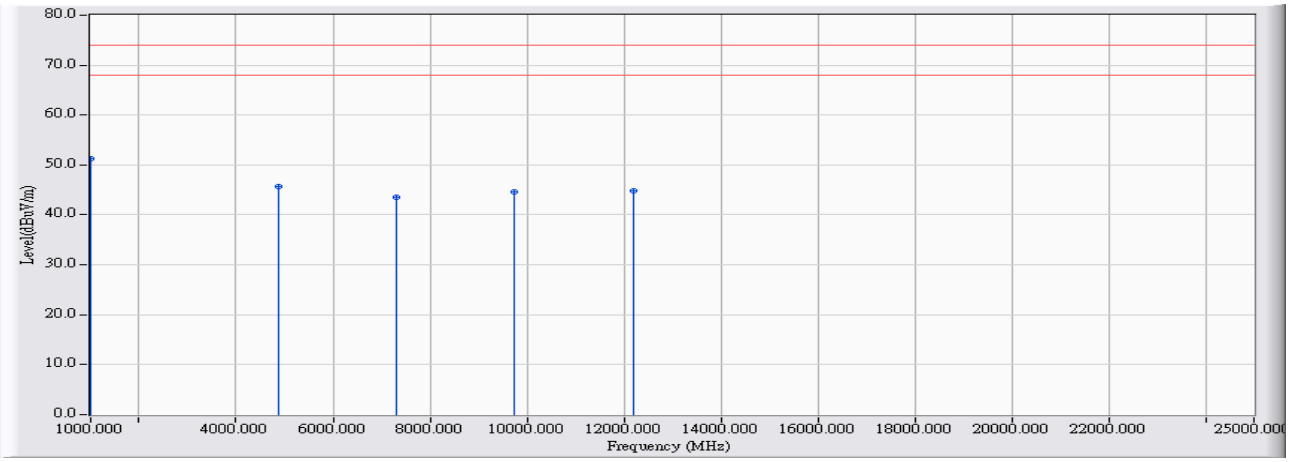


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	1000.000	-9.746	56.395	46.649	-27.351	74.000	54.00	PEAK
2		4874.020	-1.003	46.046	45.044	-28.956	74.000	54.00	PEAK
3		7311.000	6.988	36.664	43.652	-30.348	74.000	54.00	PEAK
4		9748.000	8.007	36.684	44.691	-29.309	74.000	54.00	PEAK
5		12185.000	10.601	35.222	45.824	-28.176	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/15 - 16:22**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - VERTICAL	**Power : AC 120V/60Hz**
EUT: Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11b-2437MHz**

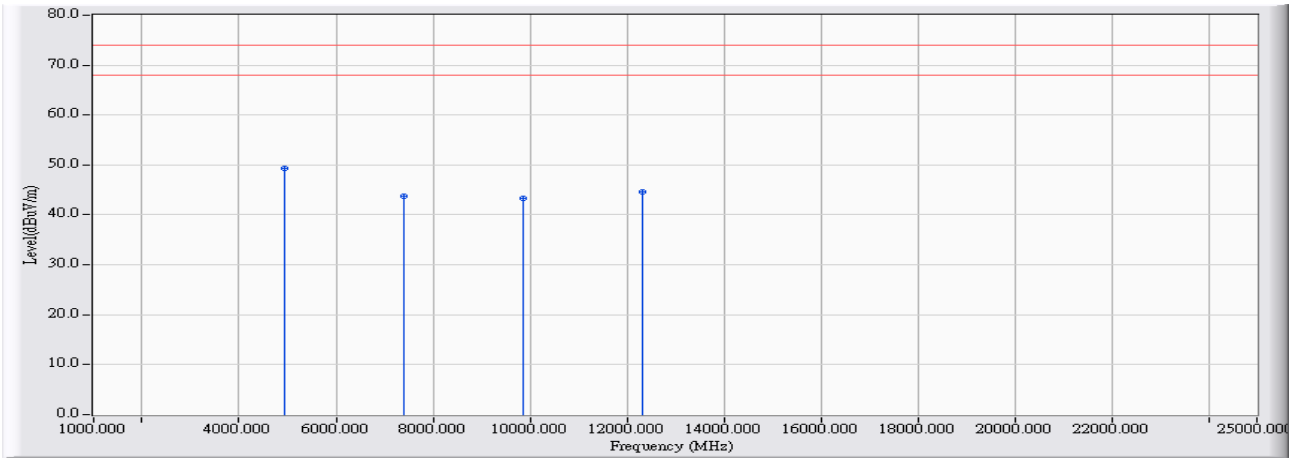


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	1000.000	-7.776	58.972	51.196	-22.804	74.000	54.00	PEAK
2		4874.010	-1.042	46.830	45.788	-28.212	74.000	54.00	PEAK
3		7311.000	6.769	36.678	43.447	-30.553	74.000	54.00	PEAK
4		9748.000	8.165	36.435	44.600	-29.400	74.000	54.00	PEAK
5		12185.000	9.516	35.277	44.794	-29.206	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 16:20**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11b-2462MHz**

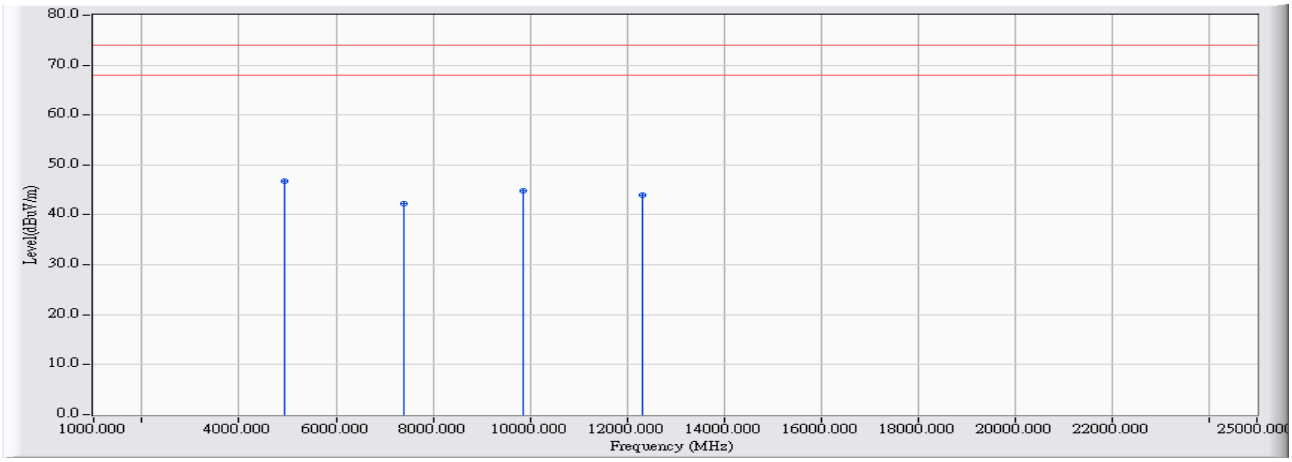


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4923.900	-0.547	49.980	49.433	-24.567	74.000	54.00	PEAK
2		7385.900	7.669	36.000	43.669	-30.331	74.000	54.00	PEAK
3		9847.900	8.244	35.090	43.333	-30.667	74.000	54.00	PEAK
4		12309.000	9.277	35.300	44.577	-29.423	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 16:27**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - VERTICAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11b-2462MHz**

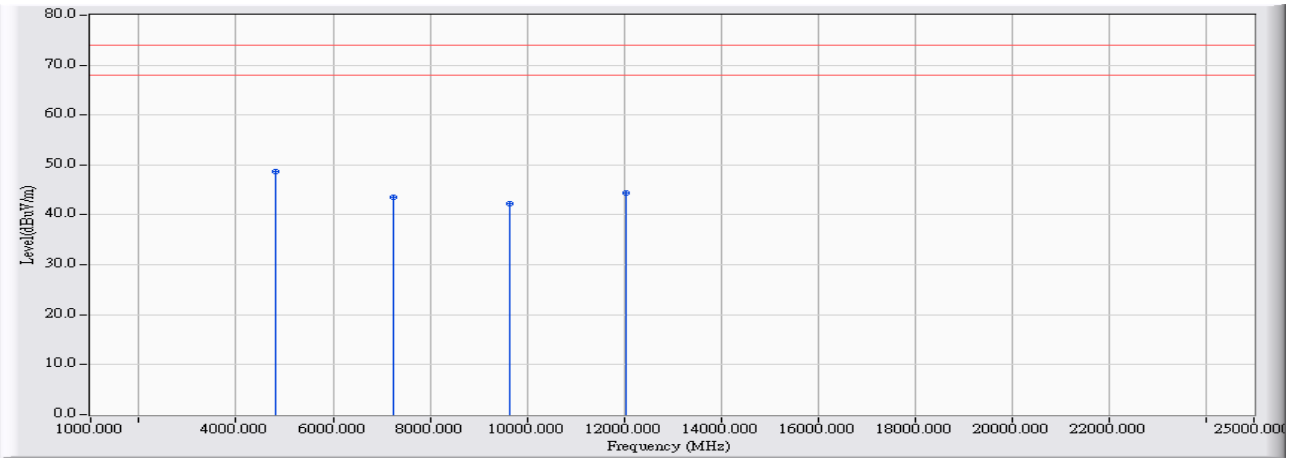


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4923.970	-0.535	47.350	46.815	-27.185	74.000	54.00	PEAK
2		7385.800	7.147	35.160	42.306	-31.694	74.000	54.00	PEAK
3		9847.800	8.353	36.570	44.922	-29.078	74.000	54.00	PEAK
4		12309.730	8.194	35.870	44.064	-29.936	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 16:36**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11g-2412MHz**

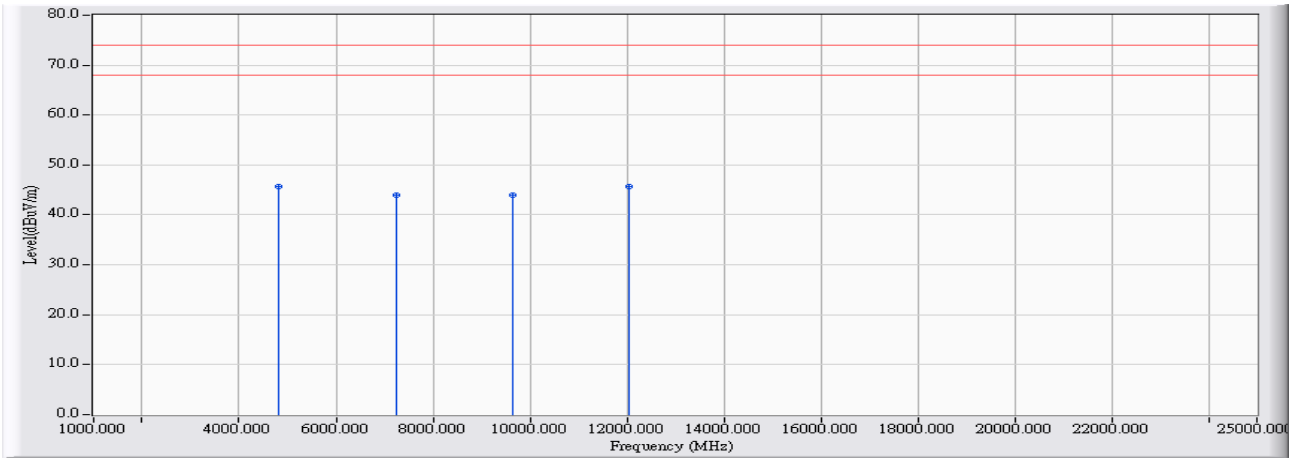


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4823.920	-0.733	49.500	48.767	-25.233	74.000	54.00	PEAK
2		7235.920	6.345	37.160	43.505	-30.495	74.000	54.00	PEAK
3		9647.920	7.567	34.720	42.287	-31.713	74.000	54.00	PEAK
4		12059.920	11.038	33.460	44.499	-29.501	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 16:44**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - VERTICAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11g-2412MHz**

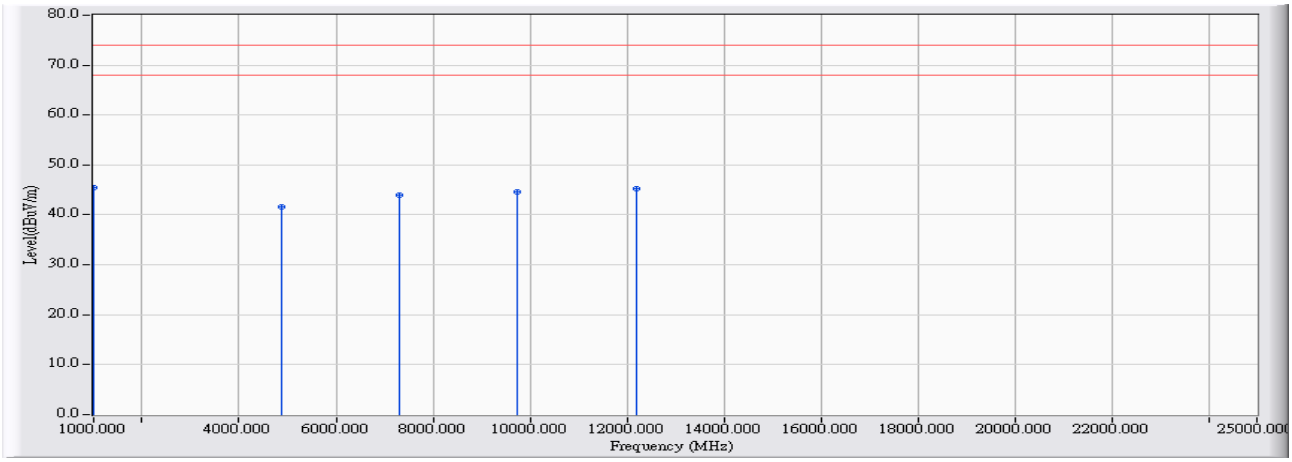


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4823.920	-0.842	46.490	45.648	-28.352	74.000	54.00	PEAK
2		7235.920	6.431	37.580	44.010	-29.990	74.000	54.00	PEAK
3		9647.920	7.784	36.090	43.874	-30.126	74.000	54.00	PEAK
4	*	12059.920	9.931	35.820	45.751	-28.249	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/15 - 16:48**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT: Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11g-2437MHz**

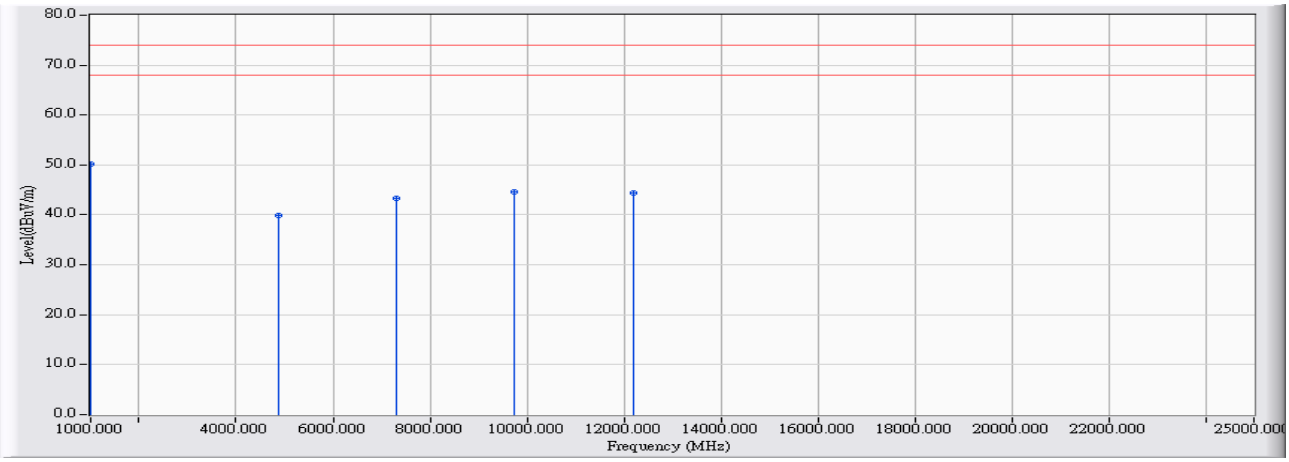


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	1000.000	-9.746	55.306	45.560	-28.440	74.000	54.00	PEAK
2		4874.000	-1.003	42.626	41.624	-32.376	74.000	54.00	PEAK
3		7311.000	6.988	37.013	44.001	-29.999	74.000	54.00	PEAK
4		9748.000	8.007	36.696	44.703	-29.297	74.000	54.00	PEAK
5		12185.000	10.601	34.751	45.353	-28.647	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/15 - 16:53**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - VERTICAL	**Power : AC 120V/60Hz**
EUT: Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11g-2437MHz**

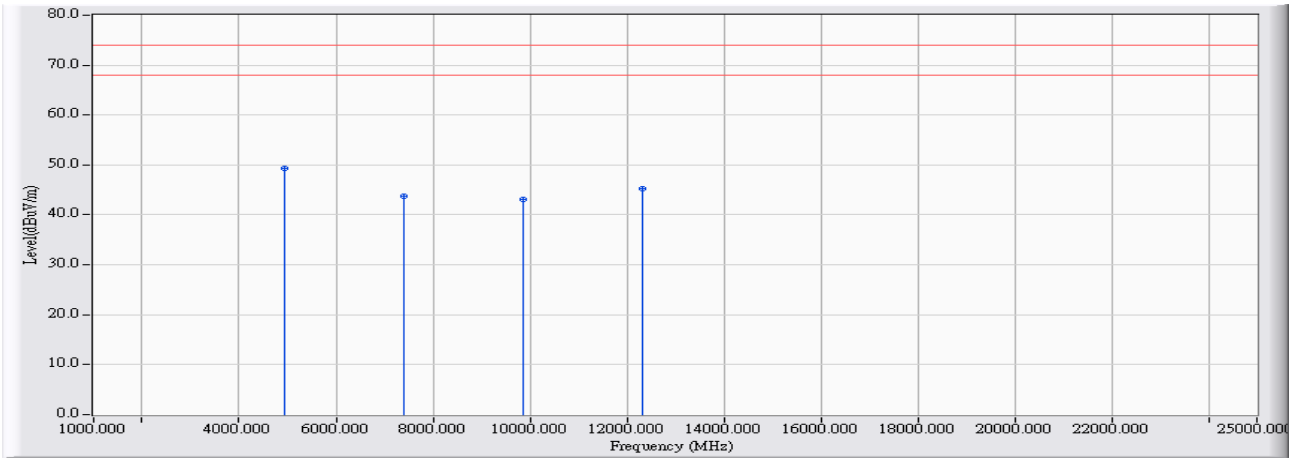


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	1000.000	-7.776	58.020	50.244	-23.756	74.000	54.00	PEAK
2		4874.000	-1.042	40.890	39.848	-34.152	74.000	54.00	PEAK
3		7311.000	6.769	36.476	43.245	-30.755	74.000	54.00	PEAK
4		9748.000	8.165	36.420	44.585	-29.415	74.000	54.00	PEAK
5		12185.000	9.516	34.903	44.420	-29.580	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 16:54**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11g-2462MHz**

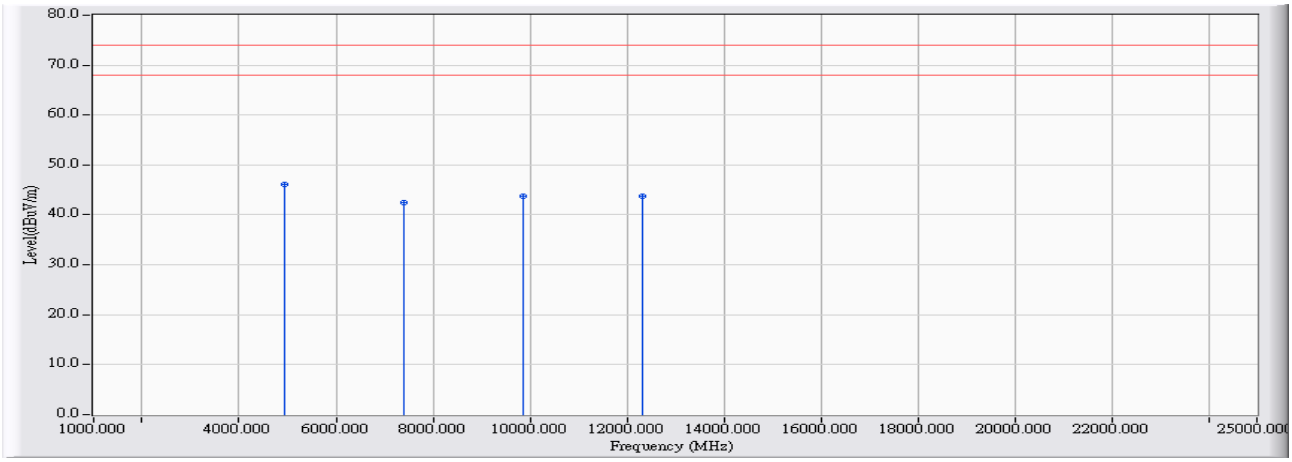


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4923.920	-0.547	49.980	49.433	-24.567	74.000	54.00	PEAK
2		7385.920	7.669	36.040	43.709	-30.291	74.000	54.00	PEAK
3		9848.170	8.241	34.950	43.191	-30.809	74.000	54.00	PEAK
4		12310.170	9.273	35.890	45.162	-28.838	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 16:59**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - VERTICAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11g-2462MHz**

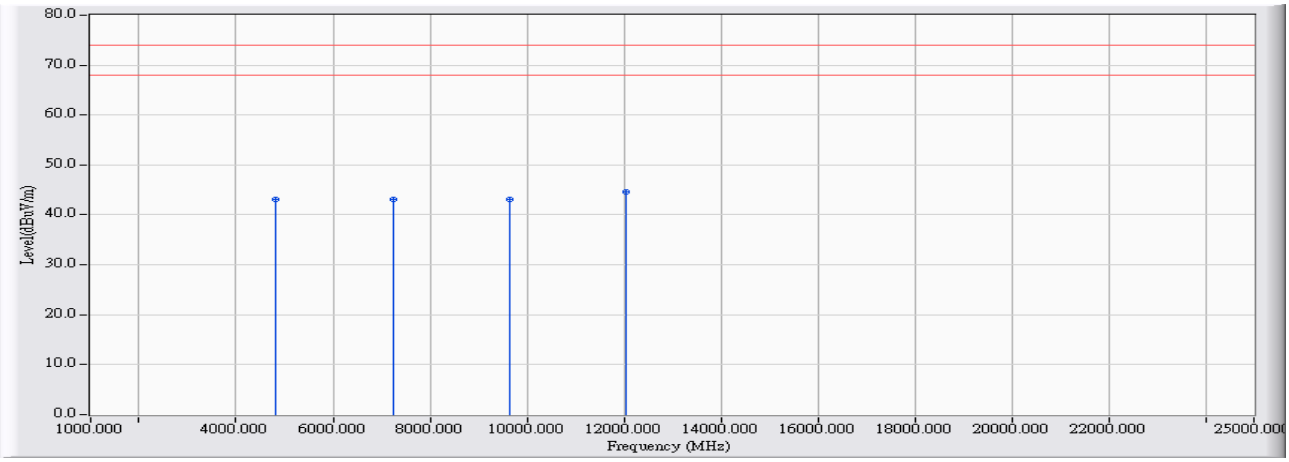


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4924.000	-0.535	46.660	46.126	-27.874	74.000	54.00	PEAK
2		7386.000	7.148	35.410	42.558	-31.442	74.000	54.00	PEAK
3		9848.000	8.351	35.400	43.750	-30.250	74.000	54.00	PEAK
4		12310.000	8.193	35.610	43.803	-30.197	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 17:15**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11n(20M)-2412MHz**

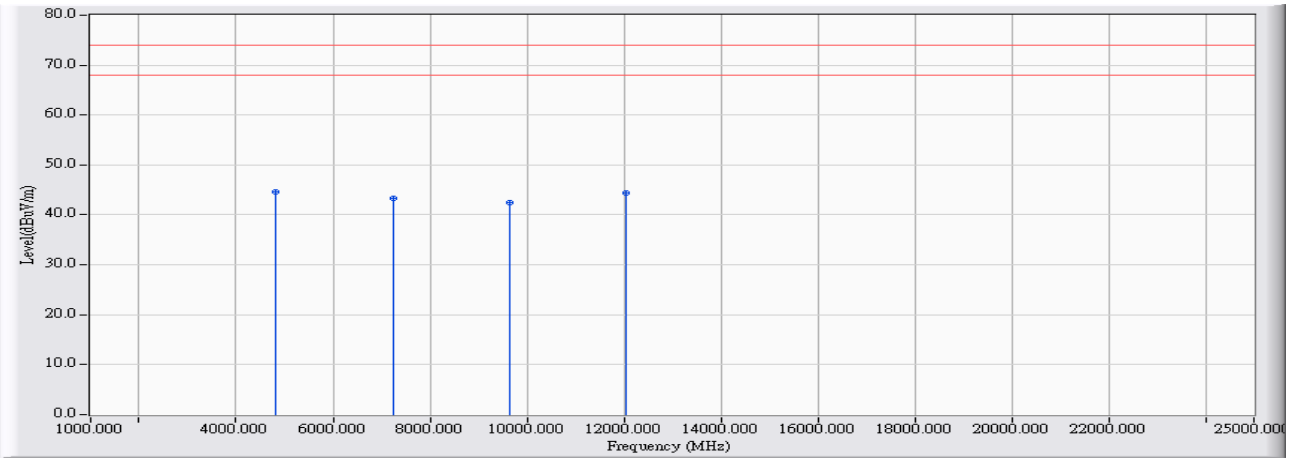


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4824.170	-0.732	43.870	43.137	-30.863	74.000	54.00	PEAK
2		7236.170	6.347	36.870	43.217	-30.783	74.000	54.00	PEAK
3		9648.170	7.567	35.570	43.138	-30.862	74.000	54.00	PEAK
4	*	12060.170	11.041	33.550	44.590	-29.410	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 17:22**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - VERTICAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11n(20M)-2412MHz**

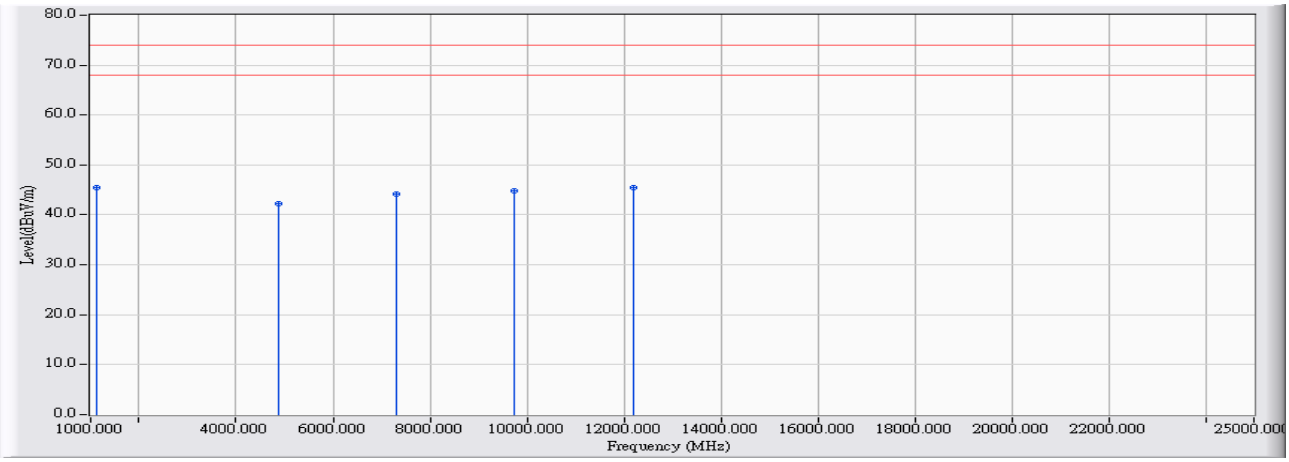


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	4824.170	-0.841	45.450	44.608	-29.392	74.000	54.00	PEAK
2		7236.170	6.431	36.990	43.421	-30.579	74.000	54.00	PEAK
3		9648.170	7.785	34.600	42.385	-31.615	74.000	54.00	PEAK
4		12060.170	9.933	34.410	44.343	-29.657	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/15 - 17:16**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT: Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11n(20M)-2437MHz**

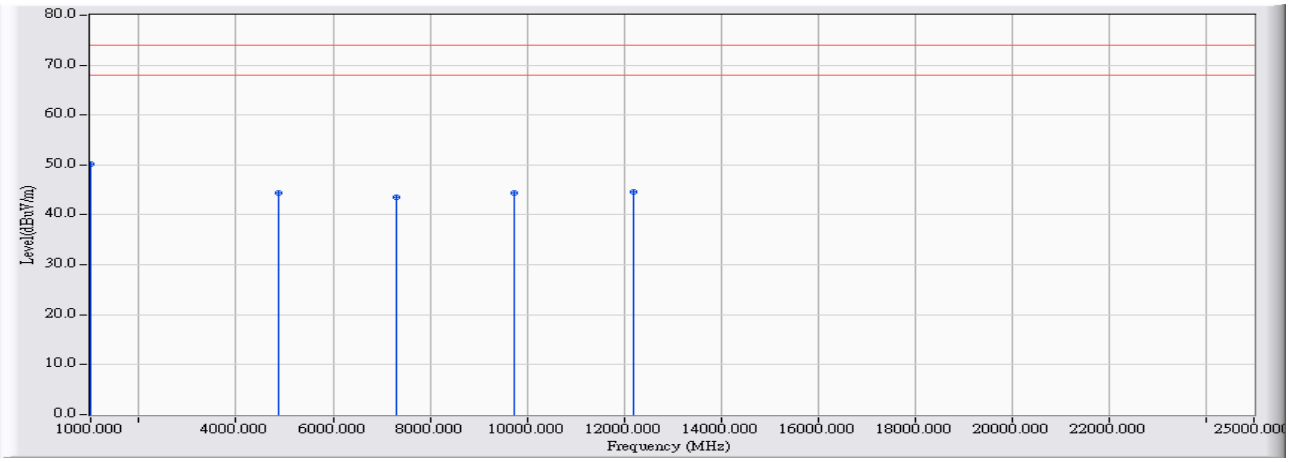


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	1120.000	-10.765	56.318	45.553	-28.447	74.000	54.00	PEAK
2		4874.020	-1.003	43.185	42.183	-31.817	74.000	54.00	PEAK
3		7311.000	6.988	37.226	44.214	-29.786	74.000	54.00	PEAK
4		9748.000	8.007	36.838	44.845	-29.155	74.000	54.00	PEAK
5		12185.000	10.601	34.826	45.428	-28.572	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/15 - 17:21**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - VERTICAL	**Power : AC 120V/60Hz**
EUT: Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11n(20M)-2437MHz**

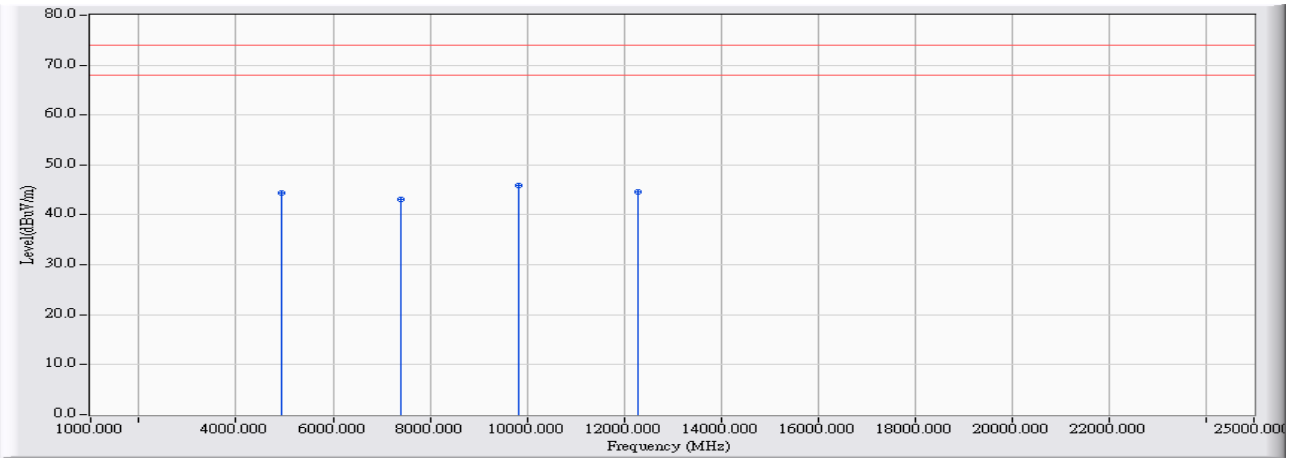


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	1000.000	-7.776	57.992	50.216	-23.784	74.000	54.00	PEAK
2		4874.000	-1.042	45.366	44.324	-29.676	74.000	54.00	PEAK
3		7311.000	6.769	36.827	43.596	-30.404	74.000	54.00	PEAK
4		9748.000	8.165	36.230	44.395	-29.605	74.000	54.00	PEAK
5		12185.000	9.516	35.012	44.529	-29.471	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 17:30**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11n(20M)-2462MHz**

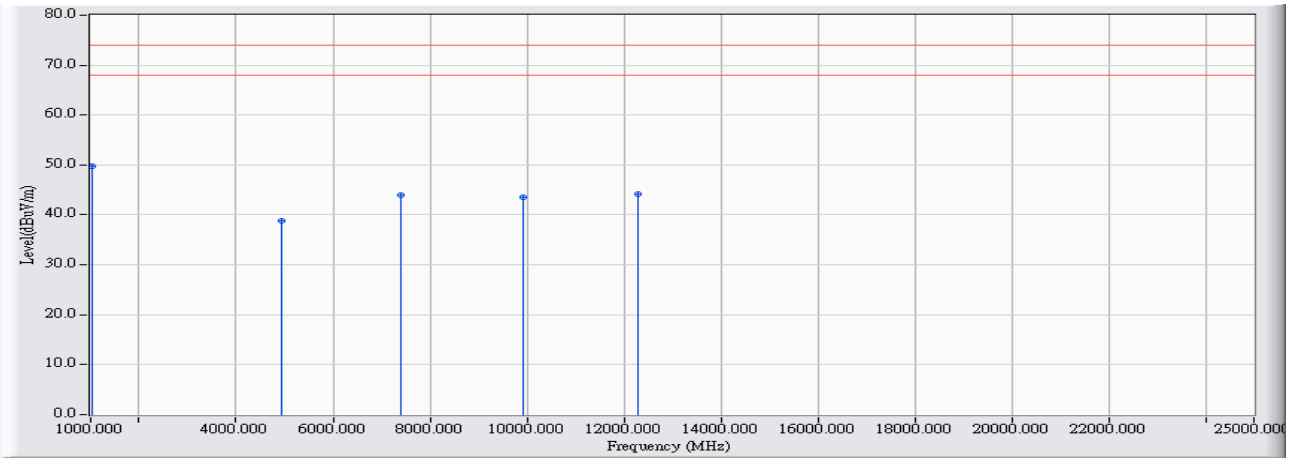


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		4924.080	-0.545	44.940	44.395	-29.605	74.000	54.00	PEAK
2		7386.080	7.670	35.360	43.031	-30.969	74.000	54.00	PEAK
3	*	9836.830	8.278	37.520	45.798	-28.202	74.000	54.00	PEAK
4		12298.830	9.322	35.200	44.522	-29.478	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 17:38**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - VERTICAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11n(20M)-2462MHz**

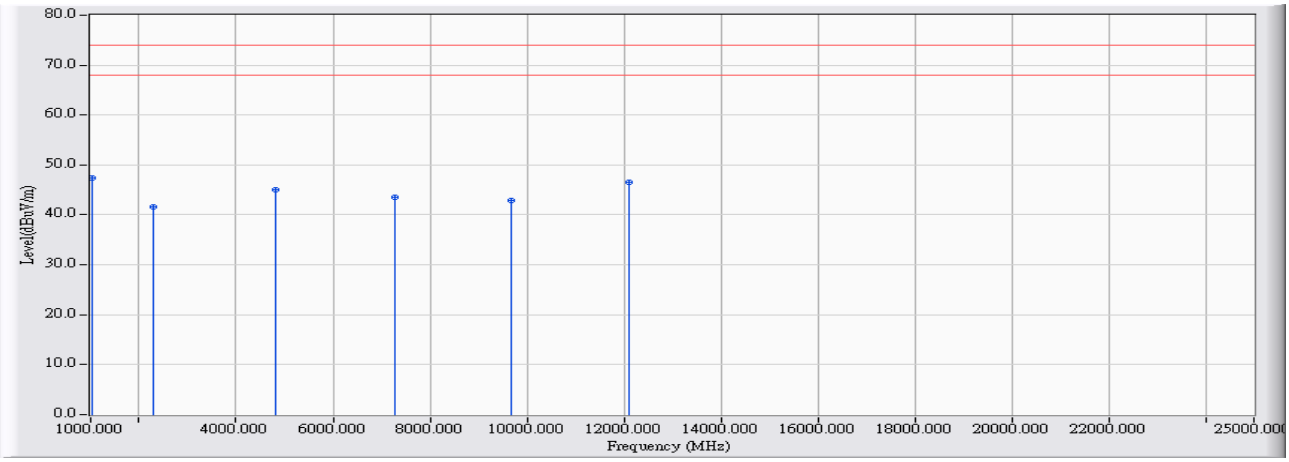


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	1020.000	-7.881	57.590	49.709	-24.291	74.000	54.00	PEAK
2		4924.080	-0.533	39.390	38.856	-35.144	74.000	54.00	PEAK
3		7386.080	7.148	36.760	43.908	-30.092	74.000	54.00	PEAK
4		9936.380	8.217	35.300	43.518	-30.482	74.000	54.00	PEAK
5		12298.830	8.240	36.050	44.289	-29.711	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 18:03**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11n(40M)-2422MHz**

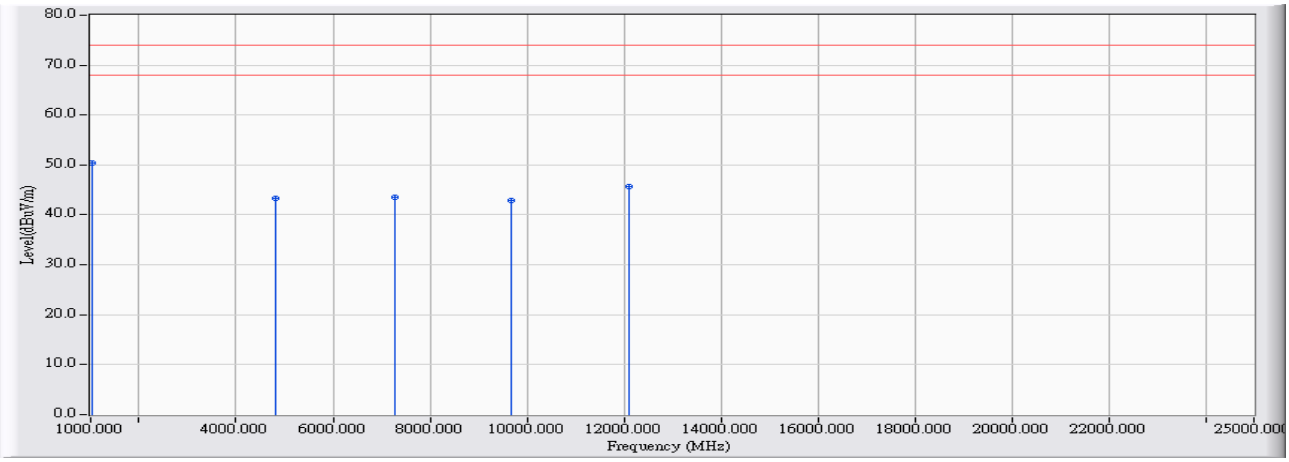


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	1020.000	-9.967	57.440	47.473	-26.527	74.000	54.00	PEAK
2		2280.000	-9.967	51.630	41.663	-32.337	74.000	54.00	PEAK
3		4824.170	-0.732	45.740	45.007	-28.993	74.000	54.00	PEAK
4		7266.000	6.515	37.100	43.614	-30.386	74.000	54.00	PEAK
5		9688.000	7.715	35.280	42.994	-31.006	74.000	54.00	PEAK
6		12110.000	10.829	35.710	46.539	-27.461	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 18:09**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - VERTICAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11n(40M)-2422MHz**

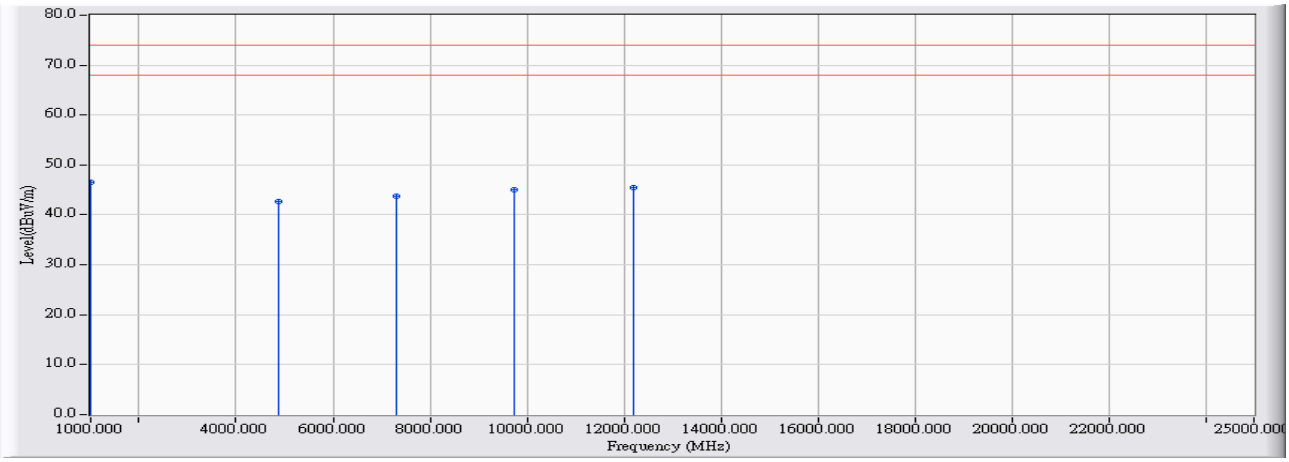


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	1020.000	-7.881	58.250	50.369	-23.631	74.000	54.00	PEAK
2		4820.000	-0.849	44.080	43.231	-30.769	74.000	54.00	PEAK
3		7266.000	6.478	36.970	43.448	-30.552	74.000	54.00	PEAK
4		9688.000	7.916	34.920	42.836	-31.164	74.000	54.00	PEAK
5		12110.000	9.725	35.910	45.636	-28.364	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/15 - 17:32**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT: Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11n(40M)-2437MHz**

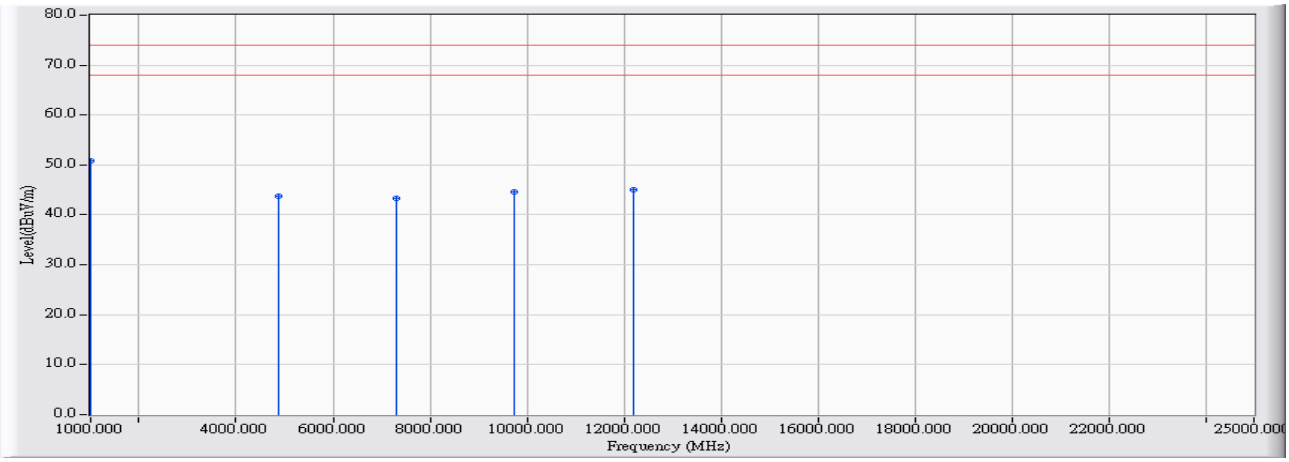


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	1000.000	-9.746	56.281	46.535	-27.465	74.000	54.00	PEAK
2		4874.000	-1.003	43.756	42.754	-31.246	74.000	54.00	PEAK
3		7311.000	6.988	36.790	43.778	-30.222	74.000	54.00	PEAK
4		9748.000	8.007	37.119	45.126	-28.874	74.000	54.00	PEAK
5		12185.000	10.601	34.819	45.421	-28.579	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/15 - 17:37**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - VERTICAL	**Power : AC 120V/60Hz**
EUT: Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11n(40M)-2437MHz**

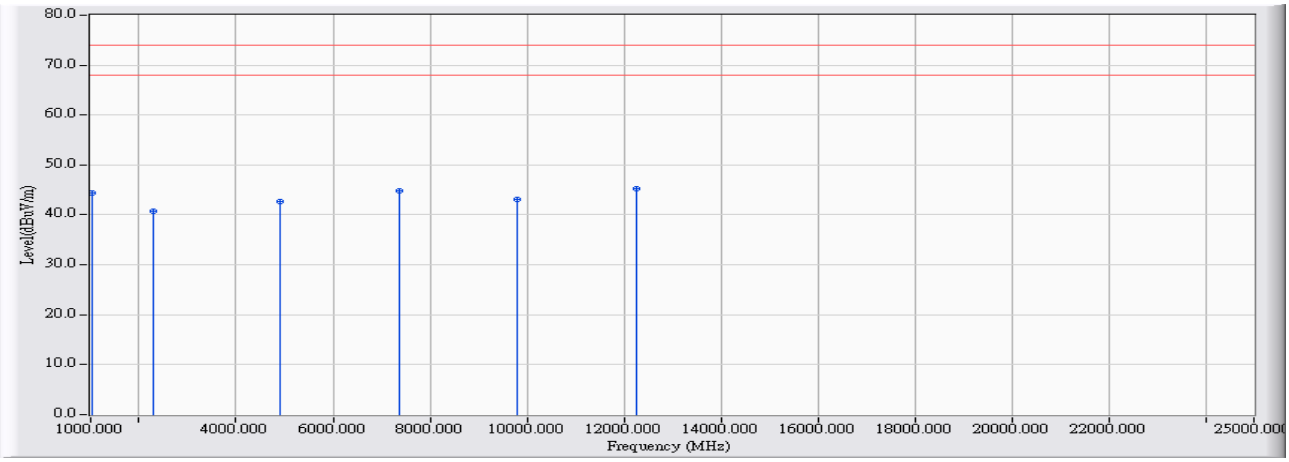


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	1000.000	-7.776	58.657	50.881	-23.119	74.000	54.00	PEAK
2		4874.000	-1.042	44.792	43.750	-30.250	74.000	54.00	PEAK
3		7311.000	6.769	36.622	43.391	-30.609	74.000	54.00	PEAK
4		9748.000	8.165	36.449	44.614	-29.386	74.000	54.00	PEAK
5		12185.000	9.516	35.509	45.026	-28.974	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 18:35**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11n(40M)-2452MHz**

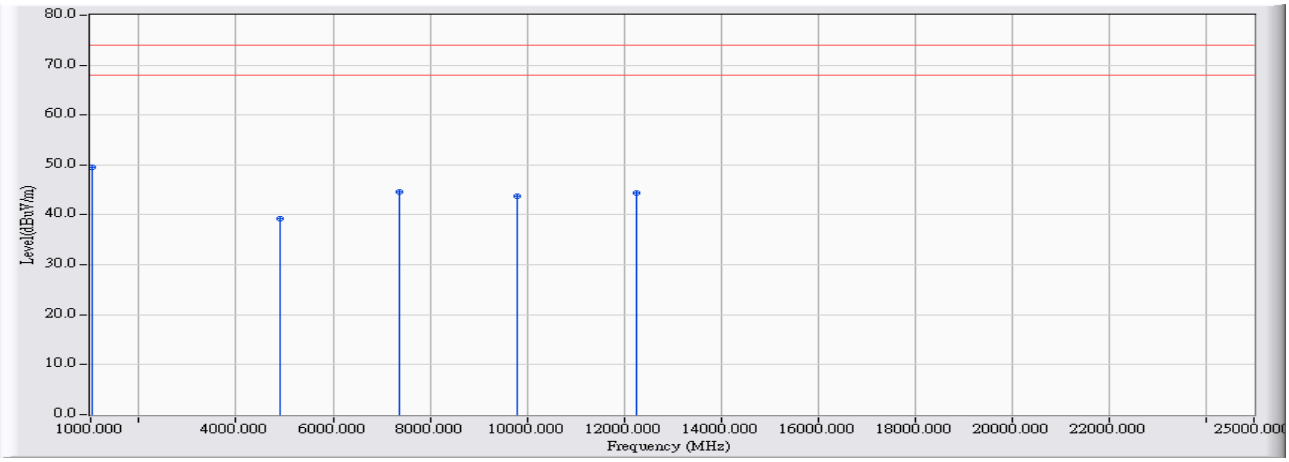


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1		1020.000	-9.967	54.310	44.343	-29.657	74.000	54.00	PEAK
2		2280.000	-9.967	50.710	40.743	-33.257	74.000	54.00	PEAK
3		4904.000	-0.748	43.500	42.751	-31.249	74.000	54.00	PEAK
4		7356.000	7.498	37.230	44.728	-29.272	74.000	54.00	PEAK
5		9808.000	7.923	35.270	43.193	-30.807	74.000	54.00	PEAK
6	*	12260.000	9.605	35.720	45.324	-28.676	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB1	**Time : 2010/10/11 - 18:41**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : FCC_EFS_1-18G - VERTICAL	**Power : AC 120V/60Hz**
EUT : Wireless N Home Networks Camera	**Note : Mode 1: Transmit (Adapter: AMS1-0501200FU)-802.11n(40M)-2452MHz**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Detector Type
1	*	1020.000	-7.881	57.370	49.489	-24.511	74.000	54.00	PEAK
2		4904.000	-0.766	40.010	39.244	-34.756	74.000	54.00	PEAK
3		7356.000	7.087	37.570	44.658	-29.342	74.000	54.00	PEAK
4		9808.000	8.047	35.790	43.837	-30.163	74.000	54.00	PEAK
5		12260.000	8.521	35.800	44.321	-29.679	74.000	54.00	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.