FCC TEST REPORT

FCC ID : W8M-CM-818C2

Applicant : **Astak, Inc.**
Address :1911 Hartog Drive, San Jose, California 95131. USA

Equipment Under Test (EUT) :

Product description : Wireless Camera

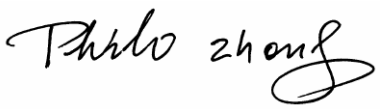
Model No. : CM-818C2

Modulation : FM

Standards : FCC 15 Paragraph 15.249

Date of Test : Aug 05.2010

Test Engineer **:** Olic.huang

Reviewed By **:** 

PERPARED BY:
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2 Contents

3 Test Summary

Test	Test Requirement	Test Method	Class / Severity	Result
Radiated Emission (30MHz to 25GHz)	FCC PART 15: 2008	ANSI C63.4: 2003	N/A	PASS
Conducted Emission (150KHz to 30MHz)	FCC PART 15: 2008	ANSI C63.4: 2003	Class B	PASS
Band-edge	FCC PART 15: 2008	ANSI C63.4: 2003	N/A	Comply
20dB-Bandwidth	FCC PART 15: 2008	ANSI C63.4: 2003	N/A	Comply

4 General Information

4.1 Client Information

Applicant:	**Astak, Inc.**
Address of Applicant:	1911 Hartog Drive, San Jose, California 95131. USA
Manufacturer:	**KESHENGDA TECHNOLOGY (SHENZHEN) CO., LTD**
Address:	4Bldg, # 2,TongXingRoad,TongLeCommunity, LongGangDistrict,ShenZhen.china

4.2 General Description of E.U.T.

Product description:	Wireless Camera
Model No.:	CM-818C2
Operating frequency:	2412MHz to 2468MHz

(Details: 2412MHz, 2432MHz, 2450MHz, 2468MHz)

4.3 Details of E.U.T.

Power Supply:	Input : 120V AC 60Hz Output: 8V DC 200mA

4.4 Description of Support Units

The EUT has been tested as an independent unit.

4.5 Standards Applicable for Testing

The customer requested FCC tests for a Wireless Camera. The standards used were FCC 15 Paragraph 15.249, Paragraph 15.207, Paragraph 15.209, Paragraph 15.31, Paragraph 15.33, Paragraph 15.35 and Part 2.

4.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **IC – Registration No.: 7760A**

Waltek Services(Shenzhen) Co., Ltd. has been registered and fully described in a report filed with the Industry Canada. The acceptance letter from the Industry Canada is maintained in our files. Registration7760A, Aug 03, 2010

- **FCC – Registration No.: 880581**

Waltek Services(Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 880581, June 24, 2008.

4.7 Test Location

The Emission test was performed at:-

Waltek Services(Shenzhen) Co., Ltd. at 1/F, Fukangtai Building, West Baima Rd.,Songgang Street, Baoan District, Shenzhen, China.

5 Equipment Used during Test

Equipment Name	Manufacturer Model	Equipment No	Internal No	Specification	Cal. Date	Due Date	Cert. No	Uncertainty
EMC Analyzer	Agilent/ E7405A	MY45114943	W2008001	9k-26.5GHz	Aug-09	Aug-10	Wws20081596	±1dB
Trilog Broadband Antenne 30-3000 MHz	SCHWARZBECK MESS-ELEKTROM/ VULB9163	336	W2008002	30-3000 MHz	Aug-09	Aug-10		±1dB
Broad-band Horn Antenna	SCHWARZBECK MESS-ELEKTROM/ VULB9163	667	W2008003		Aug-09	Aug-10		f＜10 GHz：±1dB 10GHz＜f＜18 GHz：±1.5dB
Broadband Preamplifier	SCHWARZBECK MESS-ELEKTROM/ BBV 9718	9718-148	W2008004		Aug-09	Aug-10		±1.2dB
10m Coaxial Cable with N-male Connectors usable up to 25GHz,	SCHWARZBECK MESS-ELEKTROM/ AK 9515 H	-	-	-	Aug-09	Aug-10		-
10m 50 Ohm Coaxial Cable with N-plug,individual length,usable up to 3(5)GHz, Connector	SCHWARZBECK MESS-ELEKTROM/ AK 9513				Aug-09	Aug-10		
Positioning Controller	C&C LAB/ CC-C-IF				N/A	N/A		
Color Monitor	SUNSPO/ SP-14C				N/A	N/A		

6 Conducted Emission Test

Product Name:	Wireless Camera
Test Requirement:	FCC Part15 Paragraph 15.207
Test Method:	Based on FCC Part15 Paragraph 15.207
Test Date:	Aug 05,2010
Frequency Range:	150 kHz to 30MHz
Class:	Class B
Detector:	Peak for pre-scan (9 kHz Resolution Bandwidth) Quasi-Peak & Average if maximised peak within 6dB of Average Limit

6.1 Test Equipment

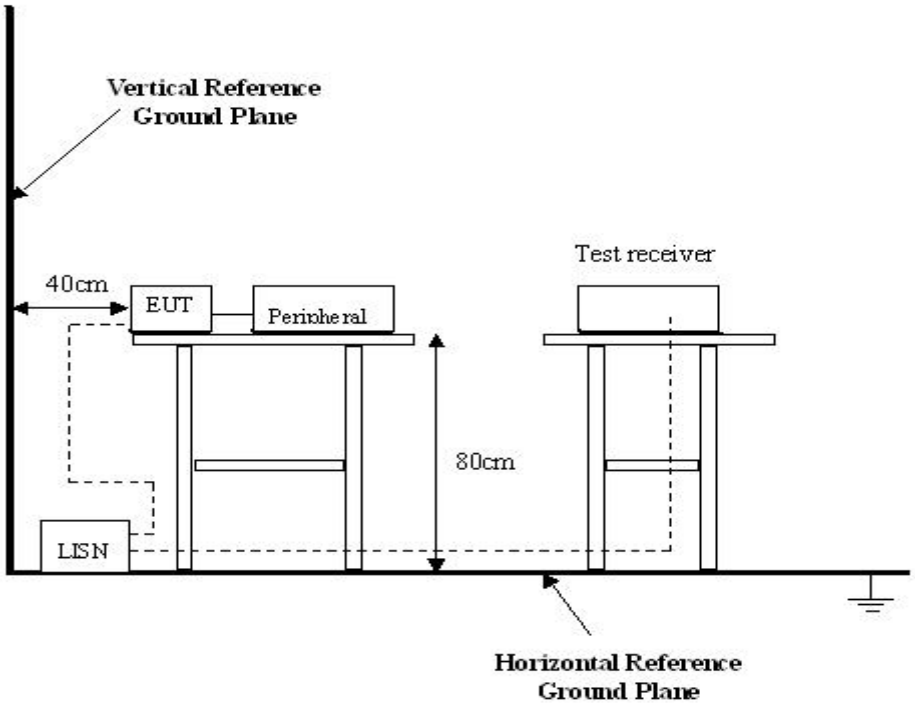
Please refer to Section 5 this report.

6.2 Test Procedure

1. The EUT was tested according to ANSI C63.4: 2003. The frequency spectrum from 150kHz to 30MHz was investigated.
2. The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines. Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.

6.3 Conducted Test Setup

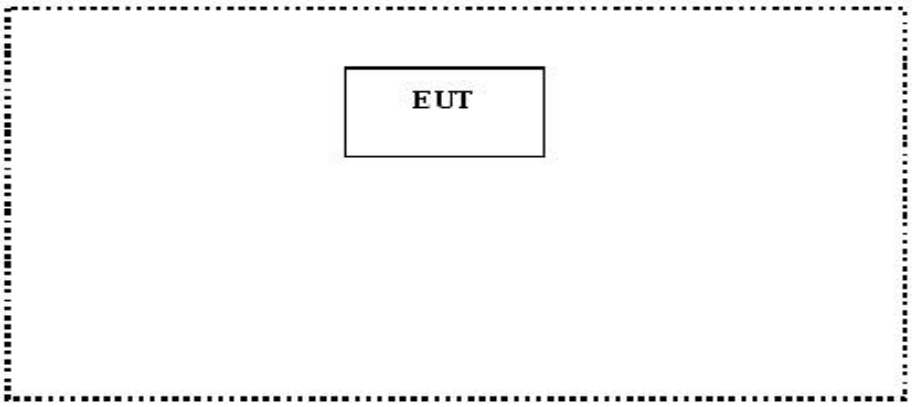
The conducted emission tests were performed using the setup accordance with the ANSI C63.4:2003, The specification used in this report was the FCC Part15 Paragraph 15.207 limits.



6.4 EUT Operating Condition

Operating condition is according to ANSI C63.4: 2003.

A. Setup the EUT and simulators as shown on follow.
B. Enable RF signal and confirm EUT active.
C. Modulate output capacity of EUT up to specification.



6.5 Conducted Emission Limits

66-56 dBμV between 0.15MHz & 0.5MHz

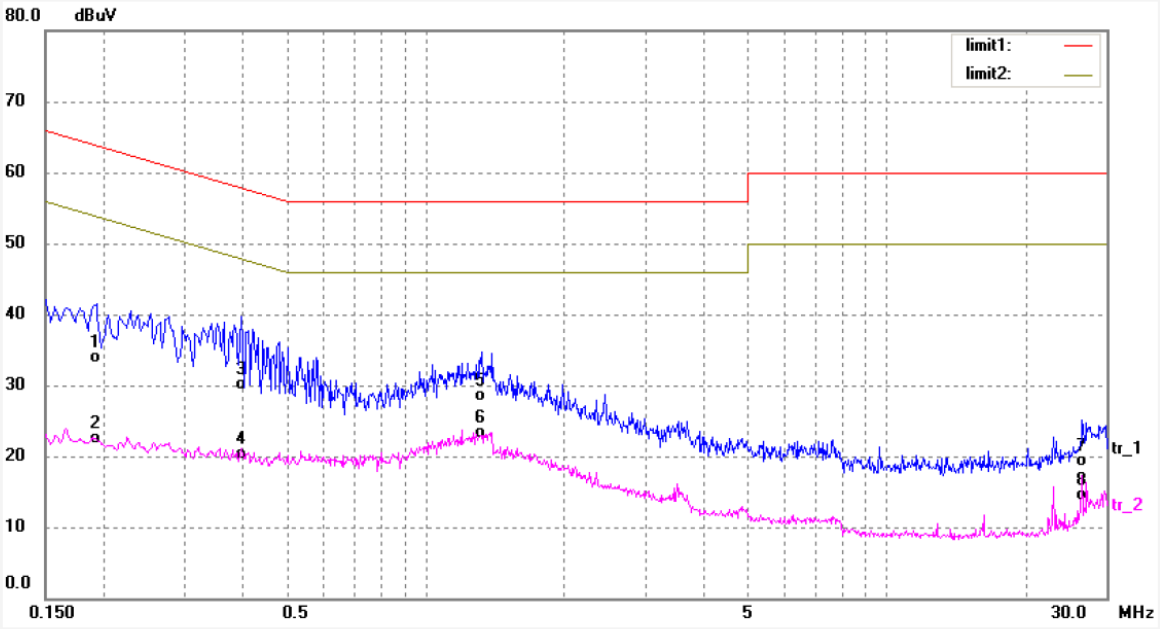
56 dBμV between 0.5MHz & 5MHz

60 dBμV between 5MHz & 30MHz

Note: In the above limits, the tighter limit applies at the band edges.

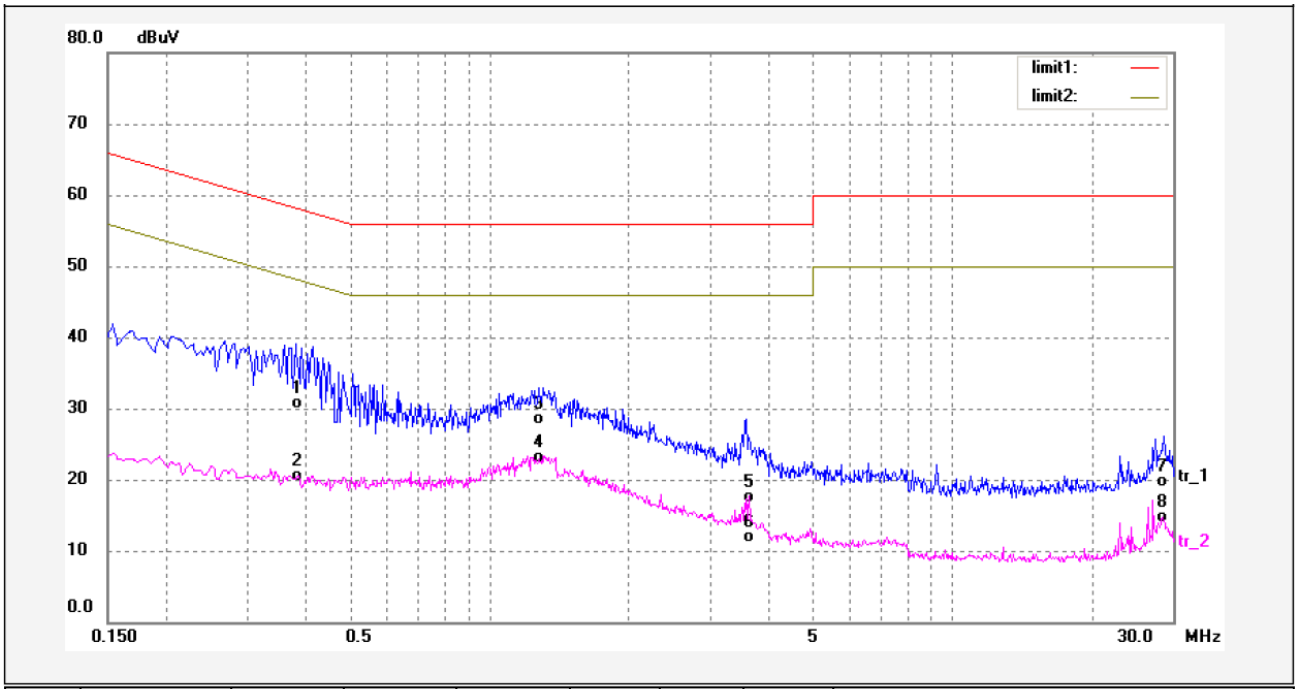
6.6 Conducted Emission Test Result

Live Line



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.1940	22.40	10.67	33.07	63.86	-30.79	QP	
2	0.1940	11.01	10.67	21.68	53.86	-32.18	AVG	
3	0.3980	18.66	10.68	29.34	57.89	-28.55	QP	
4	0.3980	8.84	10.68	19.52	47.89	-28.37	AVG	
5	1.3300	15.57	12.19	27.76	56.00	-28.24	QP	
6	1.3300	10.29	12.19	22.48	46.00	-23.52	AVG	
7	26.6100	5.79	12.81	18.60	60.00	-41.40	QP	
8	26.6100	0.81	12.81	13.62	50.00	-36.38	AVG	

Neutral Line

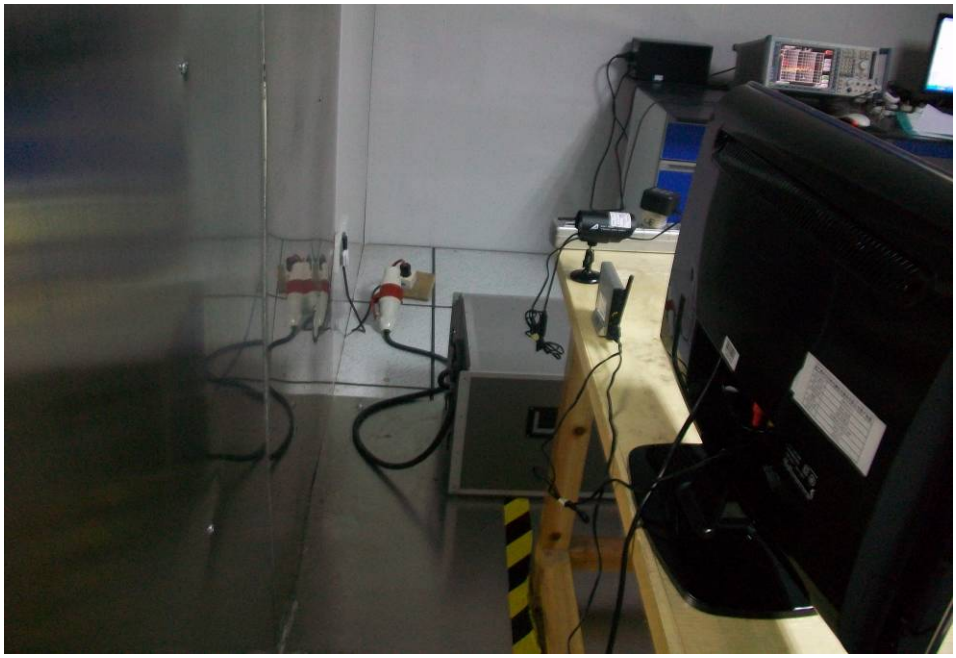


No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.3820	19.19	10.70	29.89	58.23	-28.34	QP	
2	0.3820	9.03	10.70	19.73	48.23	-28.50	AVG	
3	1.2820	15.46	12.19	27.65	56.00	-28.35	QP	
4	1.2820	10.06	12.19	22.25	46.00	-23.75	AVG	
5	3.5860	4.09	12.54	16.63	56.00	-39.37	QP	
6	3.5860	-1.36	12.54	11.18	46.00	-34.82	AVG	
7	28.6260	6.02	12.81	18.83	60.00	-41.17	QP	
8	28.6260	1.04	12.81	13.85	50.00	-36.15	AVG	

6.7 Conducted Emission Testsetup View

Testsetup Front View

Testsetup Back View



7 Radiation Emission Test

Product Name:	Wireless Camera
Test Requirement:	FCC Part15 Paragraph 15.249
Test Method:	Based on FCC Part15 Paragraph 15.31 and Paragraph 15.33
Test Date:	Aug 05.2010
Frequency Range:	30MHz to 25GHz
Measurement Distance:	3m
Detector:	Peak for pre-scan (120kHz resolution bandwidth)
	Quasi-Peak if maximised peak within 6dB of limit

7.1 Test Equipment

Please refer to Section 5 this report.

7.2 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in the field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase centre variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

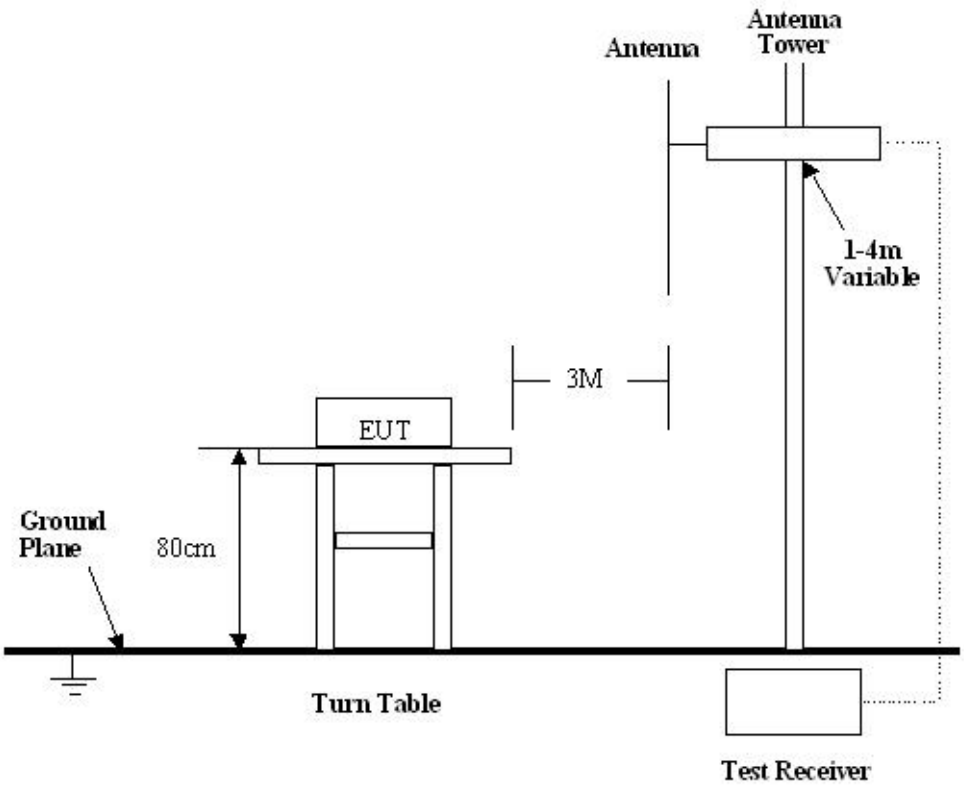
Based on ANSI C63.4: 2003, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement at SGS EMC Lab is +4.0 dB.

7.3 Test Procedure

1. Maximizing procedure was performed on the six (6) highest emissions to ensure EUT is compliant with all installation combinations.
2. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dBμV of specification limits), and are distinguished with a "Qp" in the data table.
3. The EUT was under normal mode during the final qualification test and the configuration was used to represent the worst case results.

7.4 Radiated Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI C63.4: 2003, The specification used in this report was the FCC Part15 Paragraph 15.249 and Paragraph 15.209 limits.



7.5 Spectrum Analyzer Setup

According to FCC Part15 Paragraph 15.249 Rules, the system was tested to 25000 MHz.

Below 1GHz

Start Frequency..... 30 MHz
Stop Frequency..... 1000 MHz
Sweep Speed Auto
IF Bandwidth..... 120 KHz
Video Bandwidth..... 100KHz
Quasi-Peak Adapter Bandwidth ..... 120 KHz
Quasi-Peak Adapter Mode ..... Normal
Resolution Bandwidth 100KHz

Above 1GHz

Start Frequency..... 1000 MHz
Stop Frequency..... 25000 MHz
Sweep Speed Auto
IF Bandwidth..... 1 MHz
Video Bandwidth..... 1 MHz
Resolution Bandwidth 1MHz

7.6 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Antenna Factor + Cable Factor - Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dBμV means the emission is 7dBμV below the maximum limit for Class B. The equation for margin calculation is as follows:

Margin = Corr. Ampl. – Class B Limit

7.7 Summary of Test Results

According to the data in section 7.10, the EUT complied with the FCC Part15 Paragraph 15.249 standards.

7.8 EUT Operating Condition

Same as section 6.4 of this report.

7.9 Radiated Emissions Limit

A. FCC Part 15 subpart C Paragraph 15.249 Limit

Fundamental Frequency	Field Strength of Fundamental		Field Strength of Harmonics	
	mV/m	dBuV/m	uV/m	dBuV/m
902-928MHz	50	94	500	54
2400-2483.5 MHz	50	94	500	54
5725-5875 MHz	50	94	500	54
24.0-24.25GHz	250	108	2500	68

Note: (1) RF Voltage(dBuV)=20 log RF Voltage(uV)

(2) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

(3)The emission limit in this paragraph is based on measurement instrumentaion employing an average detector.Measurement using instrumentation with a peak detector function,corresponding to 20dB above the maximum permitted average limit.

(4) Above 1GHz,do a Peak and average measurements for all emissions,Limit for peak is 94dBuvV/m,According to Part15.35(b) and average is 54dBuvV/m.

B. Frequencies in restricted band are complied to limit on Paragraph 15.209

Frequency(MHZ)	Distance(m)	Field strength(dBuV/m)
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note: (1) RF Voltage(dBuV)=20 log RF Voltage(uV)

(2) In the Above Table,the tighter limit applies at the band edges.

(3) Distance refers to the distance in meters between the measuring instrument antenna.

7.10 Radiated Emissions Test Result

Formula of conversion factors: the field strength at 3m was established by adding
The meter reading of the spectrum analyzer (which is set to read in units of dBuV)
To the antenna correction factor supplied by the antenna manufacturer. The antenna
Correction factors are stared in terms of dB. The gain of the pressletor was accounted
For in the spectrum analyser meter reading.

Example:

Freq(MHz) Meter Reading +ACF=FS

33 20dBuV+10.36dB=30.36dBuV/m @3m

Radiated Emission Test Data

Test Voltage: AC 120V

Test Mode: TX On

Temperature: 25.5 °C

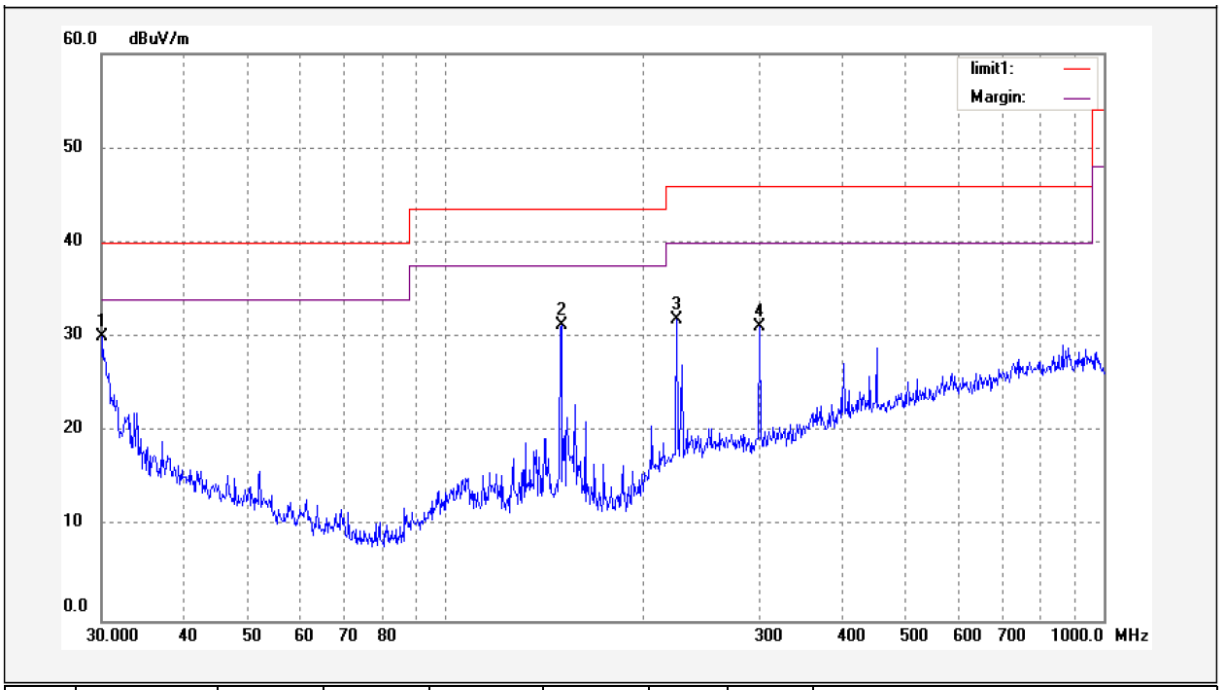
Humidity: 51%RH

Test Result: PASS

30MHz-1GHz Radiated Emission Data

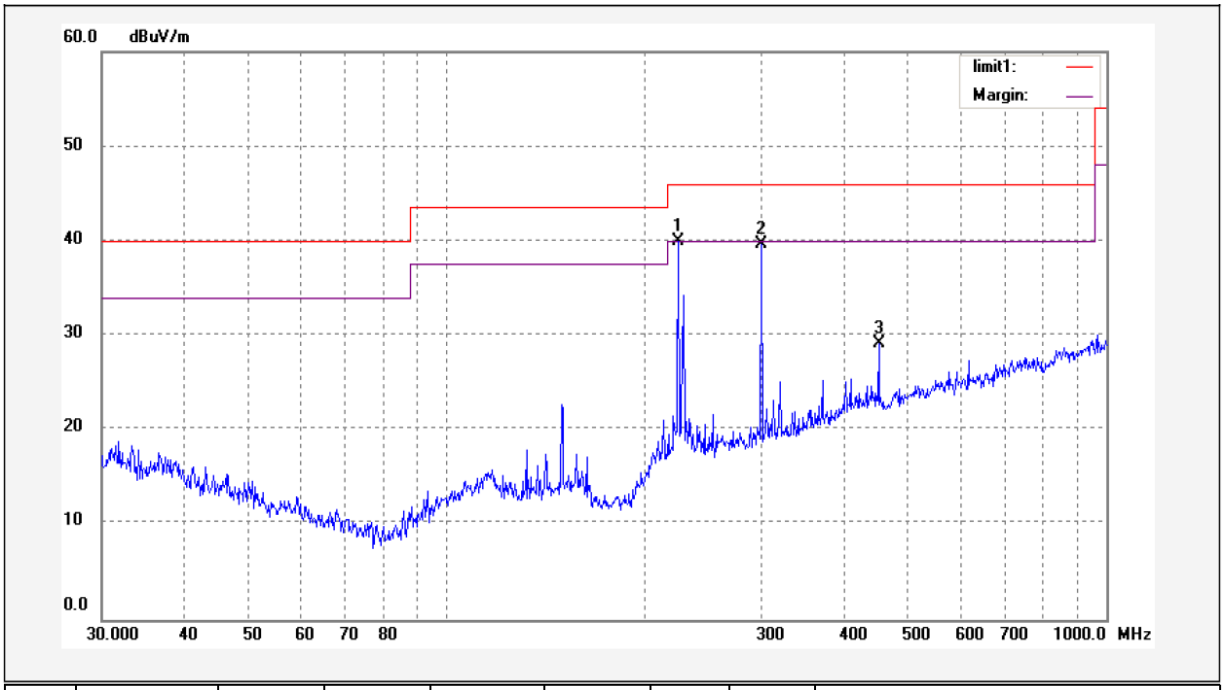
Remark: the EUT was pre-tested in three channels: low/mid/high. and the low channel was the worse case. so the data show was the low channel only.

Horizontal



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	30.1056	12.76	17.38	30.14	40.00	-9.86	peak	
2	149.9676	17.23	14.06	31.29	43.50	-12.21	peak	
3	224.6361	14.97	16.86	31.83	46.00	-14.17	peak	
4	300.6988	12.72	18.47	31.19	46.00	-14.81	peak	

Vertical



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	224.6361	23.19	16.86	40.05	46.00	-5.95	peak	
2	300.6988	21.28	18.43	39.71	46.00	-6.29	peak	
3	452.0013	7.49	21.71	29.20	46.00	-16.80	peak	

1GHz-25GHz Radiated Emission Data

Frequency (MHz)	Detector	Antenna Polarization	Emission Level (dBuV/m)	FCC Part 15C Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Turntable Angle (°)
Low frequency							
2412	AV	Vertical	87.58	94.00	6.42	1.1	120
4824	AV	Vertical	49.78	54.00	4.22	1.2	10
7236	AV	Vertical	45.23	54.00	8.73	1.1	120
9648	AV	Vertical	45.52	54.00	8.48	1.2	60
12060	AV	Vertical	31.25	54.00	22.75	1.2	90
14472	AV	Vertical	31.01	54.00	22.99	1.3	120
16884	AV	Vertical	30.02	54.00	23.98	1.1	60
19296	AV	Vertical	30.67	54.00	23.33	1.1	110
21708	AV	Vertical	29.63	54.00	24.34	1.1	110
24120	AV	Vertical	29.01	54.00	24.99	1.2	45
2412	AV	Horizontal	84.63	94.00	9.37	1.2	110
4824	AV	Horizontal	52.71	54.00	1.29	1.2	10
7236	AV	Horizontal	48.21	54.00	5.79	1.1	120
9648	AV	Horizontal	45.25	54.00	8.75	1.2	10
12060	AV	Horizontal	33.21	54.00	20.79	1.2	45
14472	AV	Horizontal	31.25	54.00	22.75	1.2	120
16884	AV	Horizontal	30.74	54.00	23.26	1.1	110
19296	AV	Horizontal	32.01	54.00	21.99	1.1	160
21708	AV	Horizontal	31.53	54.00	22.47	1.2	10
24120	AV	Horizontal	30.01	54.00	23.99	1.0	90
2412	PK	Vertical	96.68	114.00	17.32	1.1	110
4824	PK	Vertical	55.21	74.00	18.64	1.1	30
7236	PK	Vertical	52.01	74.00	20.99	1.1	110
9648	PK	Vertical	37.42	74.00	36.58	1.2	100
12060	PK	Vertical	36.21	74.00	37.79	1.2	10
14472	PK	Vertical	32.01	74.00	41.99	1.2	60
16884	PK	Vertical	33.21	74.00	40.79	1.4	90
19296	PK	Vertical	30.10	74.00	43.90	1.2	30
21708	PK	Vertical	29.01	74.00	44.99	1.1	120
24120	PK	Vertical	29.01	74.00	44.99	1.4	45
2412	PK	Horizontal	91.23	114.00	22.77	1.1	110

4824	PK	Horizontal	48.24	74.00	25.76	1.1	160
7236	PK	Horizontal	45.25	74.00	28.75	1.1	110
9648	PK	Horizontal	36.98	74.00	37.02	1.1	180
12060	PK	Horizontal	35.69	74.00	38.31	1.2	60
14472	PK	Horizontal	35.62	74.00	38.38	1.1	90
16884	PK	Horizontal	33.35	74.00	40.65	1.1	150
19296	PK	Horizontal	33.01	74.00	40.99	1.1	120
21708	PK	Horizontal	30.21	74.00	43.79	1.2	110
24120	PK	Horizontal	30.01	74.00	43.99	1.1	10
Middle frequency							
2432	AV	Vertical	86.34	94.00	7.66	1.1	10
4864	AV	Vertical	48.02	54.00	5.98	1.2	190
7296	AV	Vertical	45.21	54.00	8.71	1.0	90
9728	AV	Vertical	42.33	54.00	11.67	1.2	30
12160	AV	Vertical	32.02	54.00	21.98	1.2	0
14592	AV	Vertical	32.01	54.00	21.99	1.2	150
17024	AV	Vertical	30.26	54.00	23.74	1.1	10
19456	AV	Vertical	30.01	54.00	23.99	1.1	210
21888	AV	Vertical	29.02	54.00	24.98	1.1	0
24320	AV	Vertical	28.23	54.00	25.77	1.2	90
2432	AV	Horizontal	83.68	94.00	10.32	1.0	120
4864	AV	Horizontal	45.69	54.00	8.31	1.0	90
7296	AV	Horizontal	42.25	54.00	11.75	1.1	250
9728	AV	Horizontal	33.52	54.00	20.48	1.1	120
12160	AV	Horizontal	31.21	54.00	22.79	1.2	150
14592	AV	Horizontal	30.25	54.00	23.75	1.1	180
17024	AV	Horizontal	29.25	54.00	24.75	1.1	135
19456	AV	Horizontal	28.36	54.00	25.64	1.1	90
21888	AV	Horizontal	28.02	54.00	25.98	1.2	150
24320	AV	Horizontal	28.02	54.00	25.98	1.1	120
2432	PK	Vertical	94.66	114.00	29.34	1.0	0
4864	PK	Vertical	56.21	74.00	17.79	1.1	90
7296	PK	Vertical	49.25	74.00	24.75	1.1	100
9728	PK	Vertical	42.94	74.00	31.06	1.1	120
12160	PK	Vertical	37.87	74.00	36.13	1.1	180
14592	PK	Vertical	36.10	74.00	38.90	1.2	0
17024	PK	Vertical	32.03	74.00	41.97	1.1	0

19456	PK	Vertical	30.21	74.00	43.79	1.2	120
21888	PK	Vertical	28.30	74.00	45.70	1.1	130
24320	PK	Vertical	28.30	74.00	45.70	1.1	120
2432	PK	Horizontal	90.36	114.00	23.64	1.0	30
4864	PK	Horizontal	53.56	74.00	20.44	1.1	100
7296	PK	Horizontal	46.51	74.00	27.49	1.0	90
9728	PK	Horizontal	40.14	74.00	33.86	1.1	60
12160	PK	Horizontal	39.36	74.00	34.64	1.1	110
14592	PK	Horizontal	37.44	74.00	36.56	1.0	150
17024	PK	Horizontal	38.21	74.00	35.79	1.1	110
19456	PK	Horizontal	35.86	74.00	38.14	1.1	100
21888	PK	Horizontal	34.21	74.00	39.79	1.0	20
24320	PK	Horizontal	33.33	74.00	40.67	1.1	120
High frequency							
2468	AV	Vertical	87.79	94.00	6.21	1.0	100
4936	AV	Vertical	48.25	54.00	5.75	1.2	45
7404	AV	Vertical	32.25	54.00	21.75	1.0	120
9872	AV	Vertical	30.26	54.00	23.74	1.0	60
12340	AV	Vertical	30.55	54.00	23.45	1.1	135
14808	AV	Vertical	30.34	54.00	23.66	1.1	120
17276	AV	Vertical	30.62	54.00	23.38	1.1	100
19744	AV	Vertical	30.13	54.00	23.87	1.1	60
22212	AV	Vertical	30.27	54.00	23.73	1.1	0
24680	AV	Vertical	28.25	54.00	25.75	1.1	60
2468	AV	Horizontal	85.36	94.00	8.64	1.0	10
4936	AV	Horizontal	45.56	54.00	8.44	1.1	120
7404	AV	Horizontal	36.35	54.00	17.65	1.2	60
9872	AV	Horizontal	33.47	54.00	20.53	1.0	100
12340	AV	Horizontal	33.89	54.00	20.11	1.2	60
14808	AV	Horizontal	32.42	54.00	21.58	1.2	120
17276	AV	Horizontal	31.17	54.00	22.83	1.0	100
19744	AV	Horizontal	32.55	54.00	21.45	1.1	100
22212	AV	Horizontal	32.86	54.00	21.14	1.0	100
24680	AV	Horizontal	30.25	54.00	23.75	1.1	110
2468	PK	Vertical	96.35	114.00	17.65	1.1	20
4936	PK	Vertical	56.21	74.00	17.79	1.2	60
7404	PK	Vertical	48.62	74.00	25.38	1.1	90

9872	PK	Vertical	45.35	74.00	28.65	1.1	180
12340	PK	Vertical	35.56	74.00	38.44	1.0	60
14808	PK	Vertical	34.21	74.00	39.79	1.1	60
17276	PK	Vertical	33.54	74.00	40.46	1.2	135
19744	PK	Vertical	32.26	74.00	41.74	1.2	120
22212	PK	Vertical	31.73	74.00	42.27	1.1	60
24680	PK	Vertical	30.21	74.00	43.99	1.1	90
2468	PK	Horizontal	91.33	114.00	22.67	1.1	60
4936	PK	Horizontal	52.58	74.00	21.42	1.0	0
7404	PK	Horizontal	48.64	74.00	25.36	1.0	60
9872	PK	Horizontal	35.37	74.00	38.63	1.1	0
12340	PK	Horizontal	35.52	74.00	38.48	1.2	30
14808	PK	Horizontal	35.26	74.00	38.74	1.1	0
17276	PK	Horizontal	34.41	74.00	39.59	1.1	0
19744	PK	Horizontal	32.41	74.00	41.59	1.0	60
22212	PK	Horizontal	31.11	74.00	42.89	1.1	10
24680	PK	Horizontal	28.21	74.00	45.79	1.0	20

Note1: Above 1GHz,do a Peak and average measurements for all emissions,Limit for peak is 94dBuV/m,According to the paragraph in FCC Part 15C and average is 54BuV/m.

8 Antenna Requirement.

According to the FCC Part15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna to the intentional radiator shall be considered sufficient to comply with the provisions of this section. This product has a permanent antenna, fulfill the requirement of this section

9 20-dB Bandwidth

Product Name:	Wireless Camera
Test Voltage:	AC 120V
Test Mode:	TX On
Temperature:	25.5°C
Humidity:	51%RH

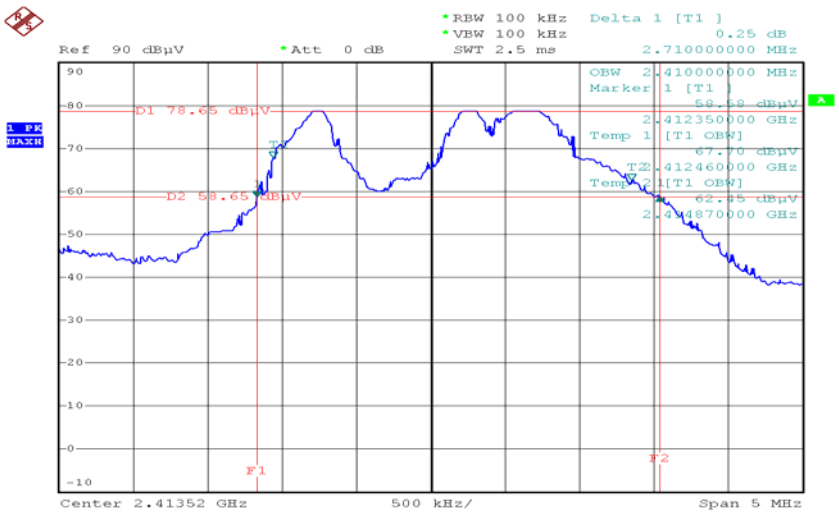
Test Procedure

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. The bandwidth of the fundamental frequency was measure by spectrum analyser with 100KHz RBW and 100KHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power 20dB.

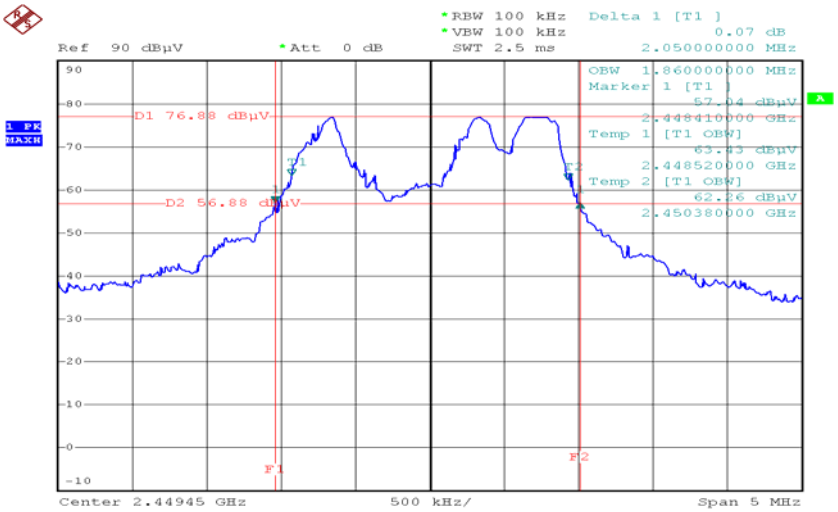
Test Result

Please refer the graph as below:

Lower Channel 2412MHz



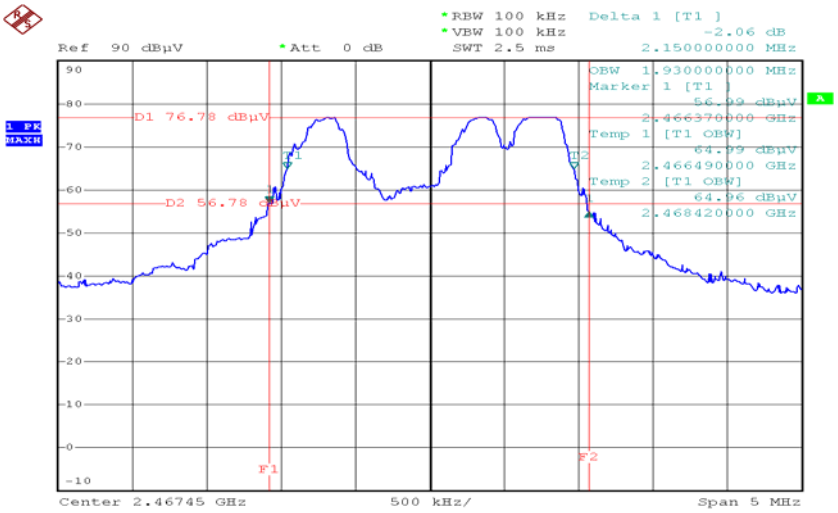
Middle Channel 2450MHz



1

Date: 5.AUG.2010 19:06:09

Upper Channel 2468MHz



1

Date: 5.AUG.2010 19:16:35

10 Band Edge

10.1 Test Equipment

Please refer to Section 5 this report.

10.2 Test Procedure

1. The EUT, peripherals were put on the turntable which table size is 1mX1.5m, table high 0.8m. All set up is according to ANSI C63.4: 2003.
2. The bandwidth of the fundamental frequency was measure by spectrum analyser with 100kHz RBW and 100kHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power 20dB.

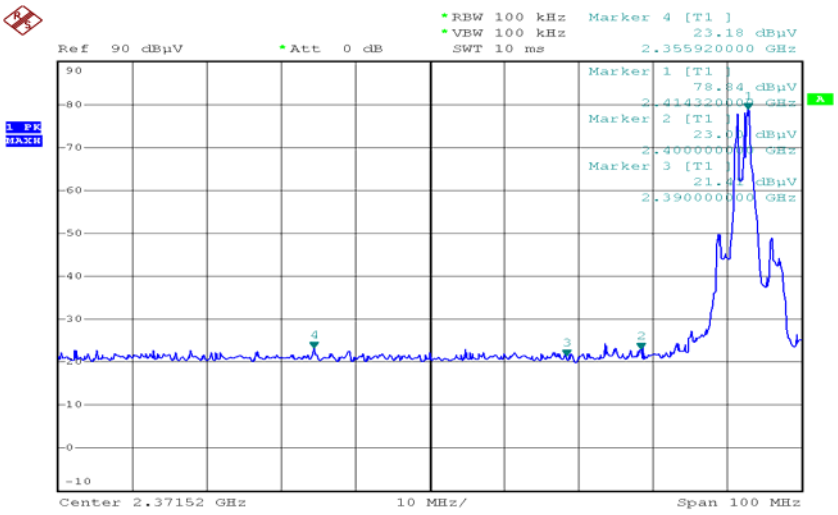
10.3 Band Edge

Requirements: FCC 15.249(d), the emission power at the START and STOP frequencies shall be at least 50dB below the level of the fundamental or to the general radiated emission limits in FCC 15.209.

10.4 Band Edge Test Result

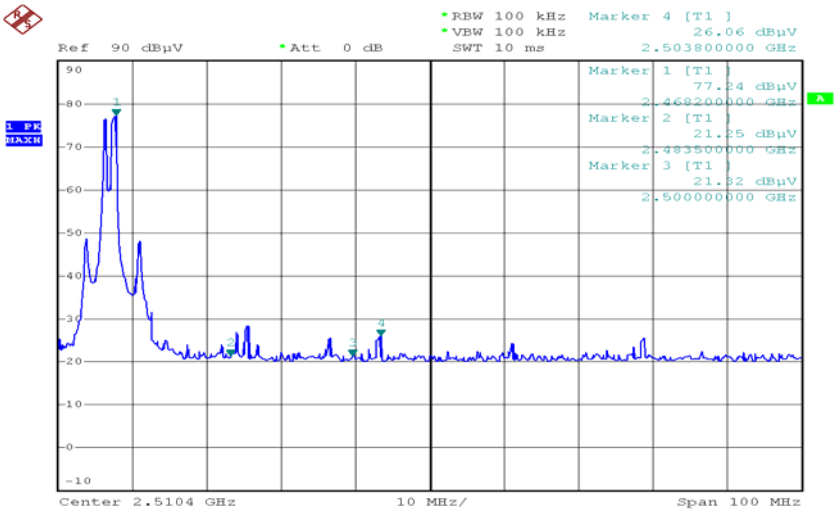
Product Name:	Wireless Camera
Test Item:	Band Edge Test
Test Voltage:	AC 120V
Test Mode:	TX On
Temperature:	25.5 °C
Humidity:	51%RH

Low Frequency(Peak Value)



1
Date: 5.AUG.2010 18:29:02

High Frequency(Peak Value)



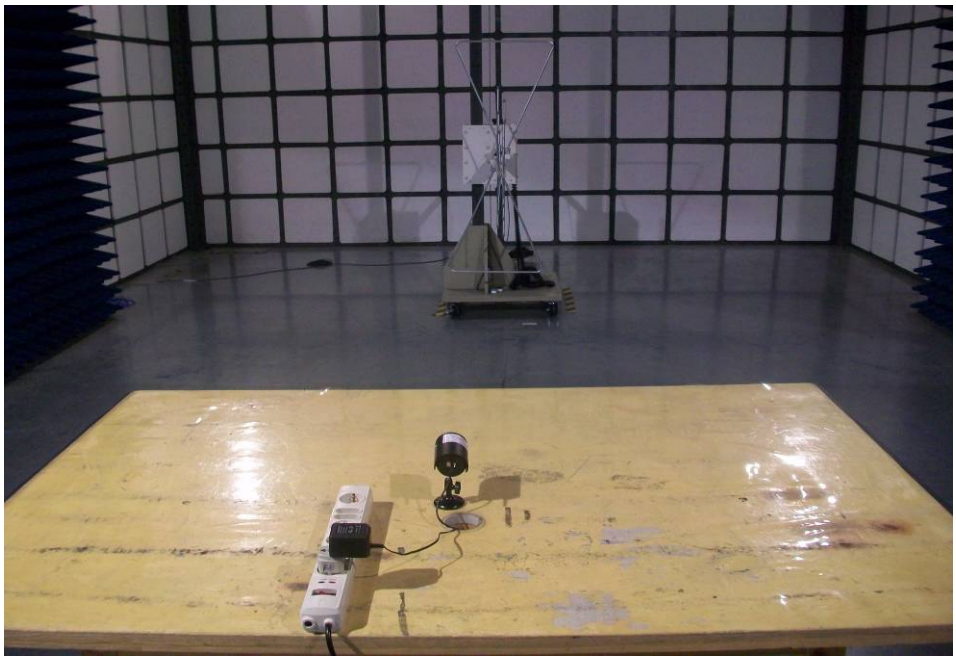
1
Date: 5.AUG.2010 19:24:49

Note: (1) The field strength of any emissions which appear outside of this band shall not exceed the general radiated emission limits in Section 15.249.

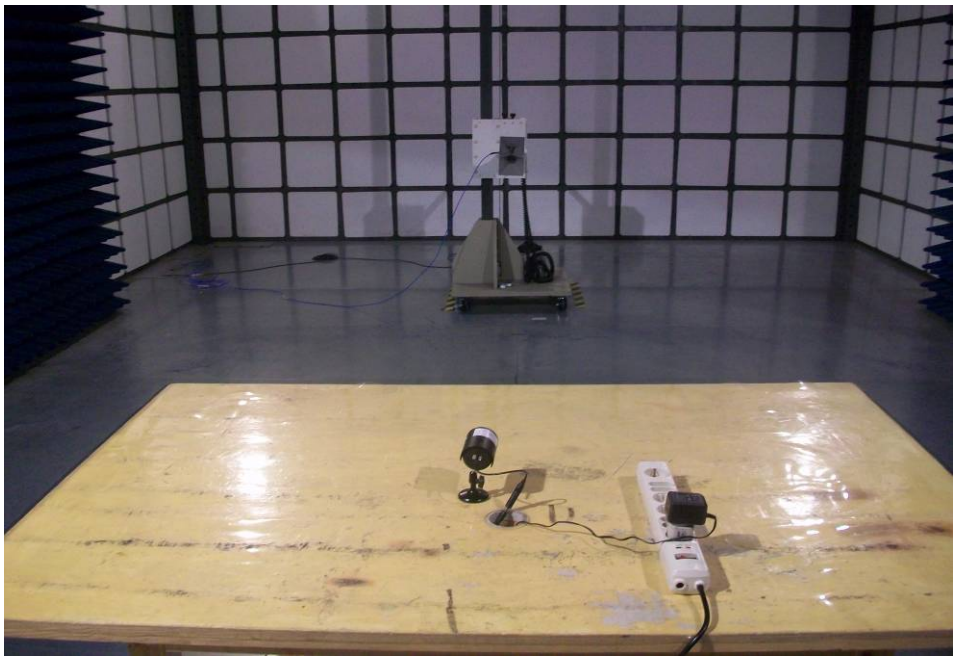
(2) This device does meet the FCC requirement.

11 Photographs of Testing

11.1 Radiation Emission Test View For 30MHz-1000MHz



11.2 Radiation Emission Test View For 1GHz-25GHz

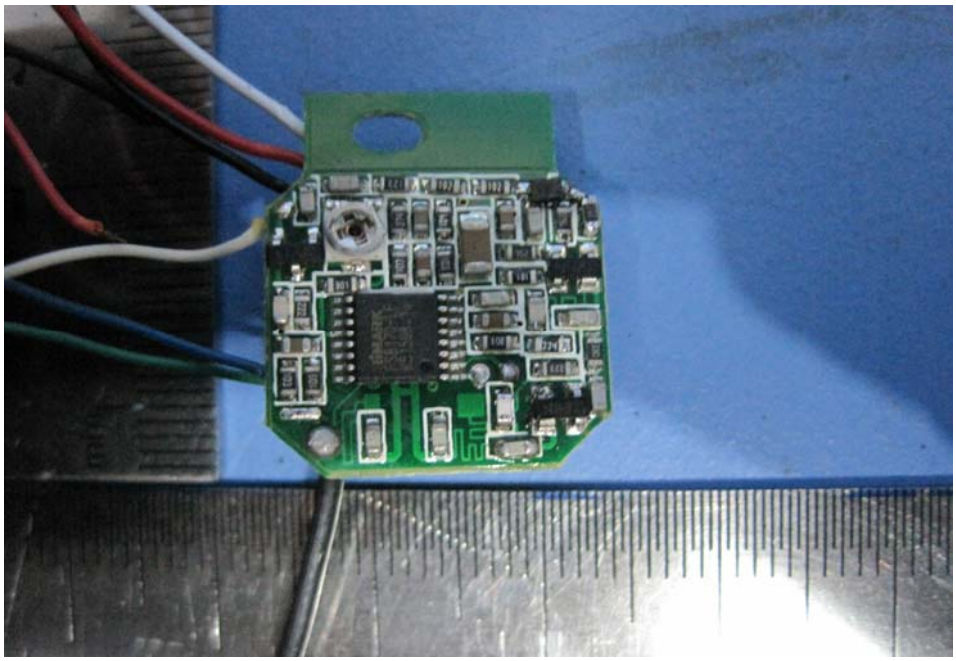


12 Photographs - Constructional Details

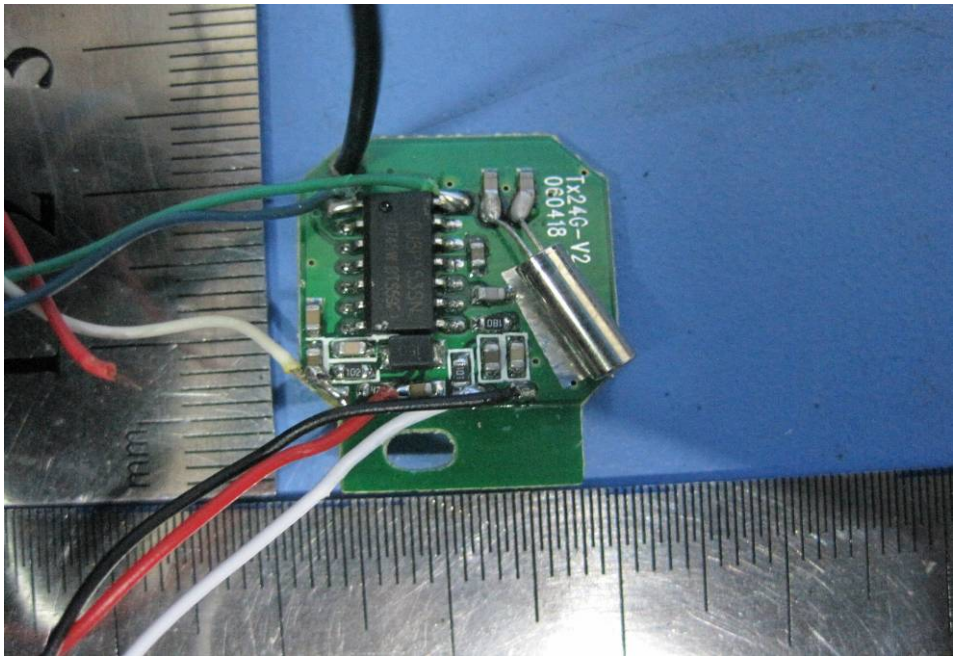
12.1 EUT - Front View

12.2 EUT - Back View

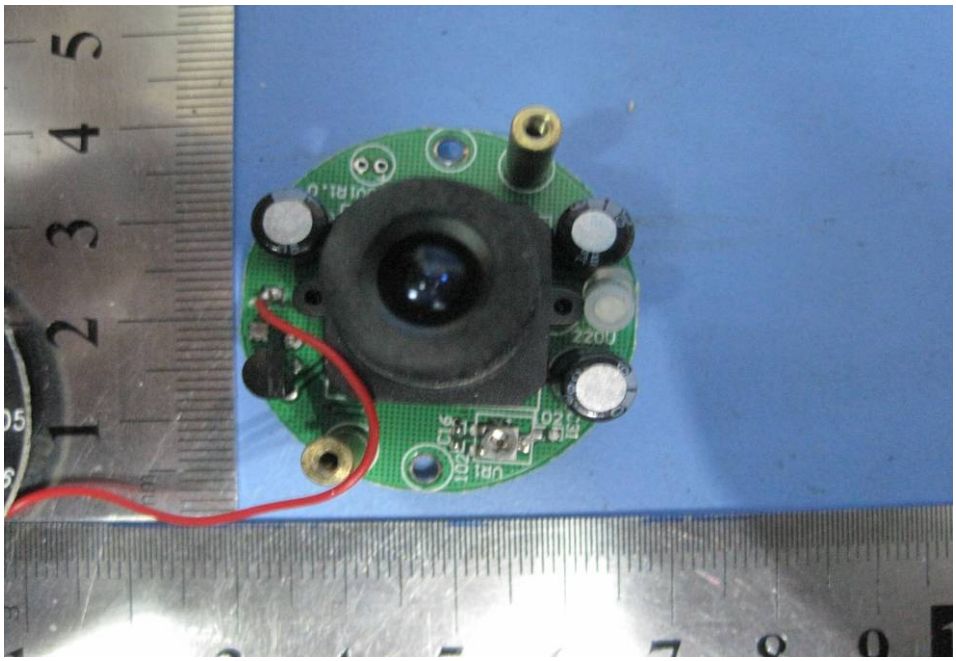
12.3 PCB1- Front View



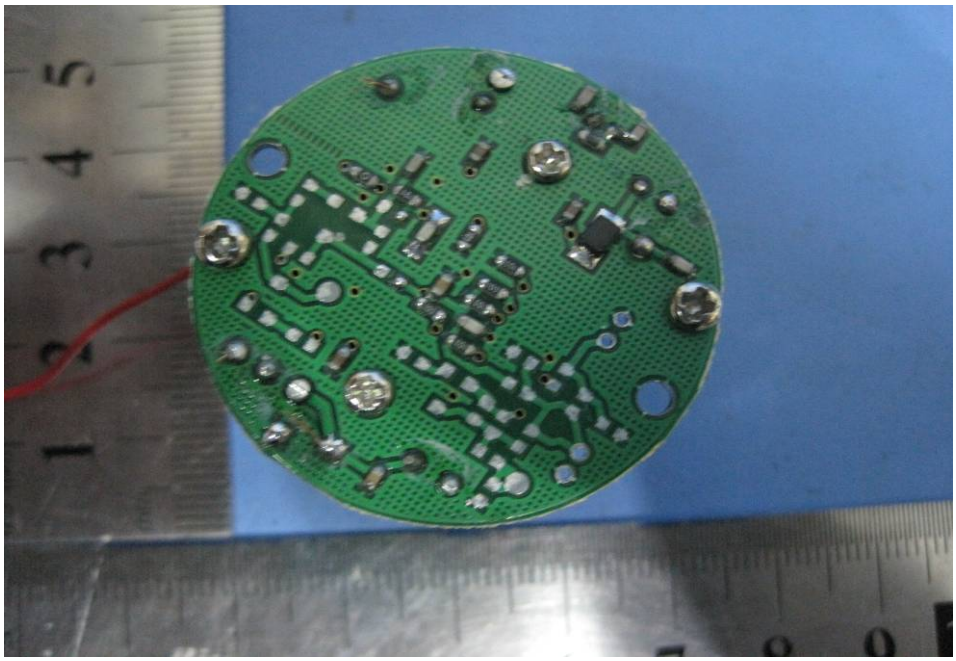
12.4 PCB1 - Back View



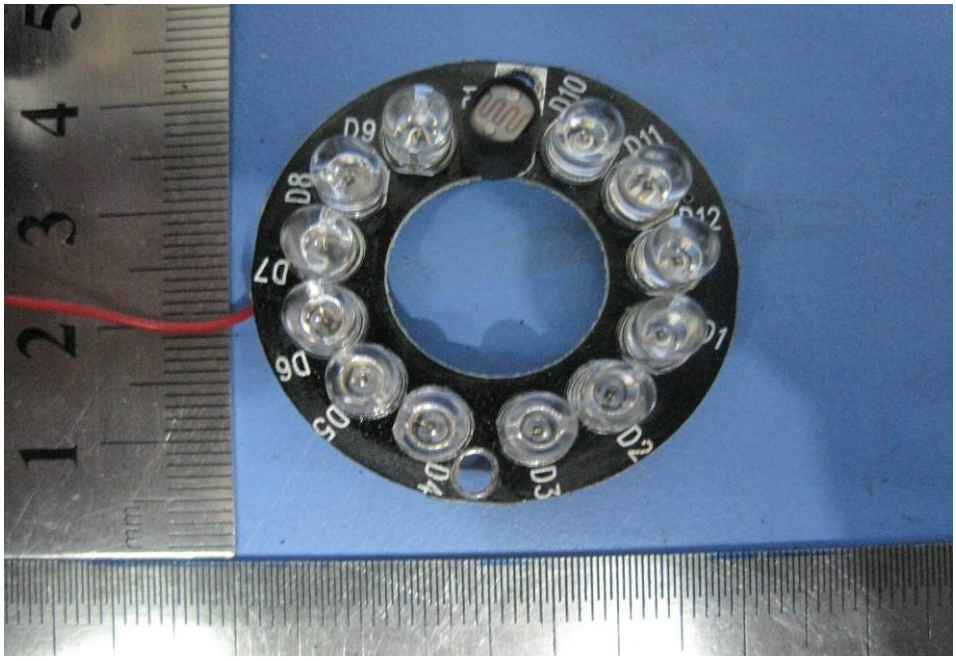
12.5 PCB2- Front View



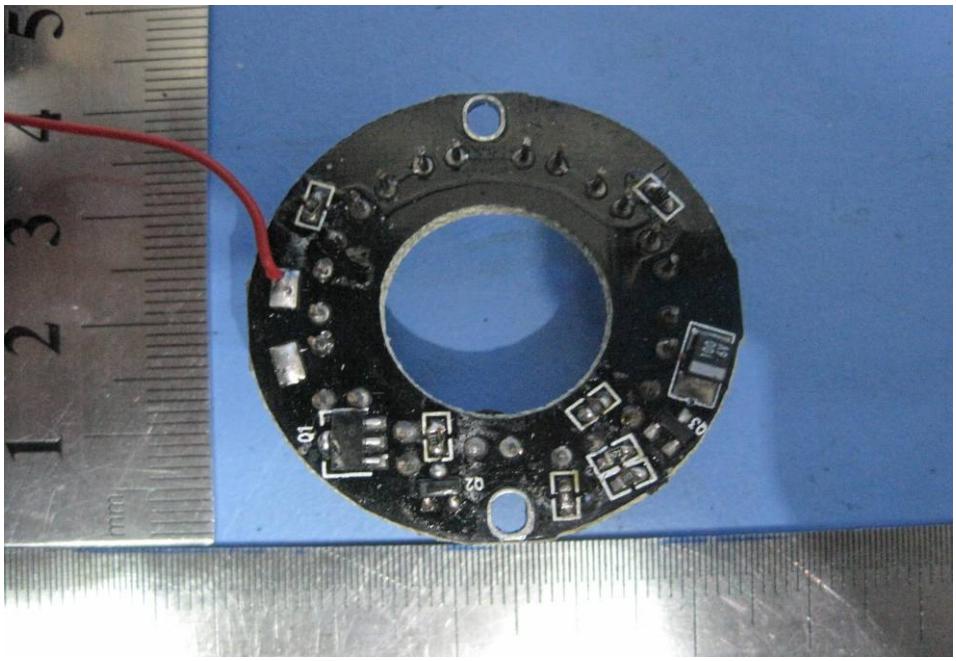
12.6 PCB2 - Back View



12.7 PCB3- Front View



12.8 PCB3 - Back View



13 FCC ID Label

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

The Label must not be a stick-on paper. The Label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Proposed Label Location on EUT

EUT Bottom View/proposed FCC Mark Location