FCC TEST REPORT

REPORT NO.: SE08FCI19BR

MODEL NO.: CM-918T2

LISTED MODELS: N/A

RECEIVED: Sep 22, 2008

TESTED: Sep 22, 2008 to Sep 26, 2008

APPLICANT: KESHENGDA TECHNOLOGY(SHENZHEN) CO.,LTD

ADDRESS: 4Bldg, #2, TongXingRoad, TongLeCommunity, LongGangDistrict, ShenZhen.

ISSUED BY: SHENZHEN SETEK TECHNOLOGY CO., LTD.

LAB LOCATION: 2/F,A3 Bldg, East Industry Zone, Overseas Chinese Town, Shenzhen,China

SHENZHEN SETEK TECHNOLOGY CO., LTD.

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TEL:86-755-26966362 **FAX: 86-755-26966270**

Prepared for	:	KESHENGDA TECHNOLOGY(SHENZHEN) CO.,LTD
Address	:	4Bldg, #2, TongXingRoad, TongLeCommunity, LongGangDistrict, ShenZhen.
Product	:	Wireless Camera
Model No(s).	:	CM-918T2
Trademark	:	Astak
Test Standard	:	FCC Part 15 Paragraph 15.249
Prepared by	:	SHENZHEN SETEK TECHNOLOGY CO., LTD.
Address	:	2/F, A3 Bldg, East Industry Zone, Overseas Chinese Town, Shenzhen, China
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Prepared by	:	(Engineer)
Reviewer by	:	(Project Engineer)
Approved by	:	(Manager)

Report Number	:	SE08FCI19BR
Date of Test	:	Sep 22, 2008 to Sep 26, 2008
Date of Report	:	Sep 27, 2008

The device described above is tested by SHENZHEN SETEK TECHNOLOGY CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. This report applies to above tested sample only and shall not be reproduced in part without written approval of SHENZHEN SETEK TECHNOLOGY CO., LTD.

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1. GENERAL INFORMATION

1.1 Description of Device (EUT)

Applicant	:	KESHENGDA TECHNOLOGY(SHENZHEN) CO.,LTD
Address	:	4Bldg, #2, TongXingRoad, TongLeCommunity, LongGangDistrict, ShenZhen.
Manufacturer	:	KESHENGDA TECHNOLOGY(SHENZHEN) CO.,LTD
Address	:	4Bldg, #2, TongXingRoad, TongLeCommunity, LongGangDistrict, ShenZhen.
EUT	:	Wireless Camera
Model Number(s)	:	CM-918T2
Description of EUT	:	Wireless Camera
Description of Antenna	:	Reverse-Polarity SMA Antenna, gain:2.15dbi
Power Supply	:	AC 120V/60Hz Adaptor
Operation Frequency	:	905 MHz , 924 MHz
Number of Channels	:	2
Type of Modulation	:	FM
Received	:	Sep 22, 2008
Date of Test	:	Sep 22, 2008 to Sep 26, 2008

1.2. Test Summary

Test	Test Requirement	Test Method	Class / Severity	Result
Radiated Emission (30MHz to 25GHz)	FCC PART 15: Oct 2007	ANSI C63.4: 2003	Class B	PASS
Conducted Emission (150KHz to 30MHz)	FCC PART 15: Oct 2007	ANSI C63.4: 2003	Class B	PASS

1.3. Description of Support Device

Device	Manufacturer	Module No	FCC ID
TV	TCL	1475S	N/A
Receiver	KESHENDA	CM-918T2R	DOC

1.4. 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.

1.5. List of Measuring Equipments Used

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4408B	MY44210575	May 29,2008	1 Year
2.	Test Receiver	Rohde & Schwarz	ESIB26	100234	May 29,2008	1 Year
3.	Bilog Antenna	Schwarzbeck	VULB9163	142	May 29,2008	1 Year
4.	Loop Antenna	EMCO	6502	00042960	May 29,2008	1 Year
5.	50 Coaxial Switch	Anritsu Corp	MP59B	6100237248	May 29,2008	1 Year
6.	Cable	Schwarzbeck	AK9513(1m)	CR RX2	May 29,2008	1 Year
7.	Cable	Schwarzbeck	AK9513(10m)	AC RX1	May 29,2008	1 Year
8.	Cable	Rosenberger	N/A(6m)	CR RX1	May 29,2008	1 Year
9.	Cable	Rosenberger	N/A(10m)	FP2RX2	May 29,2008	1 Year
9.	DC Power Filter	MPE	23872C	N/A	May 29,2008	1 Year
10.	Single Phase Power Line Filter	MPE	23332C	N/A	May 29,2008	1 Year
11.	3 Phase Power Line Filter	MPE	23333C	N/A	May 29,2008	1 Year
12.	Signal Generator	HP	8648A	3625U00573	May 29,2008	1 Year
13.	Test Receiver	Rohde & Schwarz	ESCS30	100350	May 29,2008	1 Year
14.	L.I.S.N.	Rohde & Schwarz	ESH2-Z5	834549/005	May 29,2008	1 Year
15.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	May 29,2008	1 Year
16.	RF Cable	FUJIKURA	RG-55/U	LISN Cable	May 29,2008	1 Year
17	Spectrum Analyzer	Agilent	E4446A	MY43360126	May 29,2008	1 Year
18	Spectrum Analyzer	Agilent	E7405A	US41160416	May 29,2008	1 Year

1.6. Test Facility

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

FCC – Registration No.: 966959

SHENZHEN SETEK TECHNOLOGY CO., LTD, the EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission.

1.7. Measurement Uncertainty

Radiation Uncertainty **:** Ur = ±3.84dB

Conduction Uncertainty **:** Uc = ±2.72dB

2 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:	Sep 22, 2008
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

2.1. Test Equipment

Please refer to Section 1.5. this report.

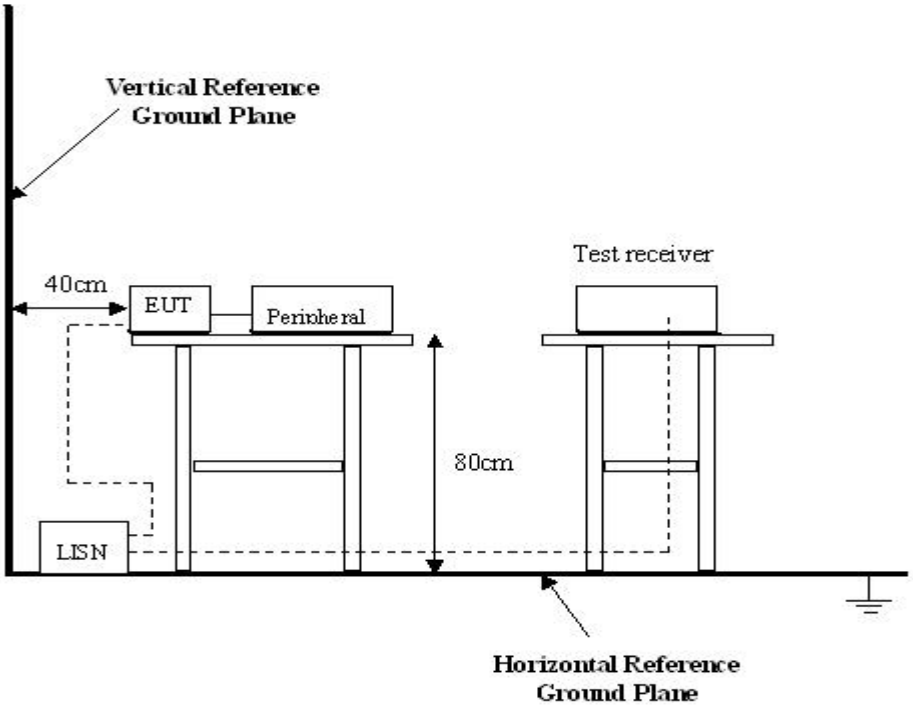
2.2. Test Procedure

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.

2.3. 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.



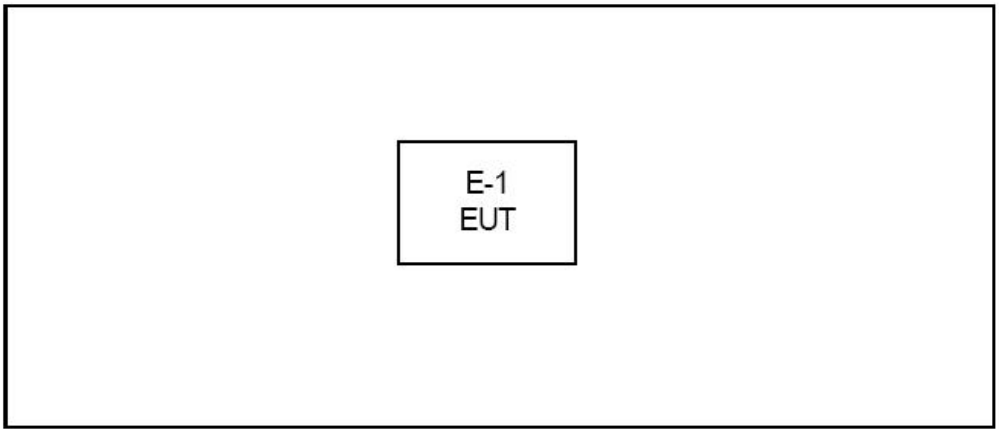
2.4. EUT Operating Condition

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.



2.5. Conducted Emission Limits

66-56 dBuV/m between 0.15MHz & 0.5MHz
56 dBuV/m between 0.5MHz & 5MHz
60 dBuV/m between 5MHz & 30MHz

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

2.6. Test Result

See the following pages

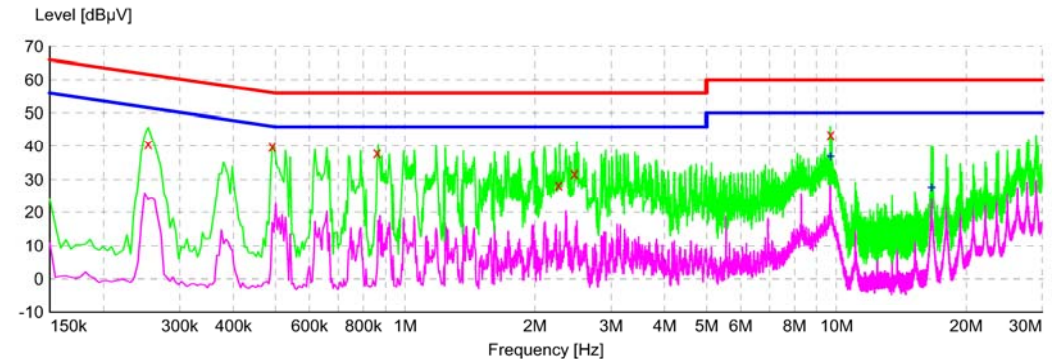
CM-918T2 TX

Voltage Mains Test FCC PART15 B

```
EUT:                    Wireless Camera M/N:CM918T2 TX
Manufacturer:           KESHENGDA TECHNOLOGY(SHENZHEN)CO.,LTD
Operating Condition:    NORMAL WORKING
Test Site:              SHIELDED ROOM
Operator:               SAM
Test Specification:     AC 120V/60Hz
Comment:
Start of Test:
```

SCAN TABLE: "Voltage (9K-30M)FIN"

Short Description: 150K-30M Voltage



MEASUREMENT RESULT:

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.253500	40.70	10.1	62	20.9	QP	N	GND
0.492000	40.00	10.1	56	16.1	QP	N	GND
0.861000	38.00	10.1	56	18.0	QP	N	GND
2.269500	28.50	10.2	56	27.5	QP	N	GND
2.467500	31.90	10.2	56	24.1	QP	N	GND
9.694500	43.80	10.5	60	16.2	QP	N	GND

MEASUREMENT RESULT:

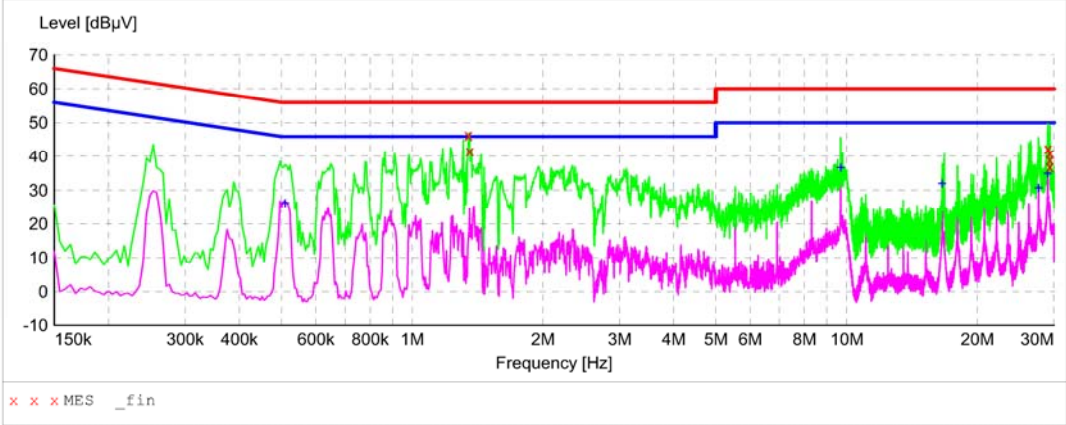
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
9.694500	36.80	10.5	50	13.2	AV	N	GND
16.620000	27.70	10.8	50	22.3	AV	N	GND

Voltage Mains Test FCC PART15 B

```
EUT:                  Wireless Camera M/N:CM-918T2 TX
Manufacturer:         KESHENGDA TECHNOLOGY(SHENZHEN)CO.,LTD
Operating Condition:  NORMAL WORKING
Test Site:            SHIELDED ROOM
Operator:             SAM
Test Specification:   AC 120V/60Hz
Comment:
Start of Test:
```

SCAN TABLE: "Voltage (9K-30M)FIN"

Short Description: 150K-30M Voltage



MEASUREMENT RESULT:

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
1.347000	46.40	10.2	56	9.6	QP	L1	GND
1.356000	41.70	10.2	56	14.3	QP	L1	GND
29.044500	42.40	10.5	60	17.6	QP	L1	GND
29.341500	41.00	10.4	60	19.0	QP	L1	GND
29.346000	39.10	10.4	60	20.9	QP	L1	GND
29.350500	37.00	10.4	60	23.0	QP	L1	GND

MEASUREMENT RESULT:

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.510000	26.20	10.1	46	19.8	AV	L1	GND
9.681000	36.60	10.5	50	13.4	AV	L1	GND
16.588500	32.00	10.8	50	18.0	AV	L1	GND
27.649500	30.70	10.5	50	19.3	AV	L1	GND
29.031000	34.90	10.5	50	15.1	AV	L1	GND

3 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 20, 2008
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

3.1. Test Equipment

Please refer to Section 1.5. this report.

3.2. 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 EMC Lab is ±3.84 dB.

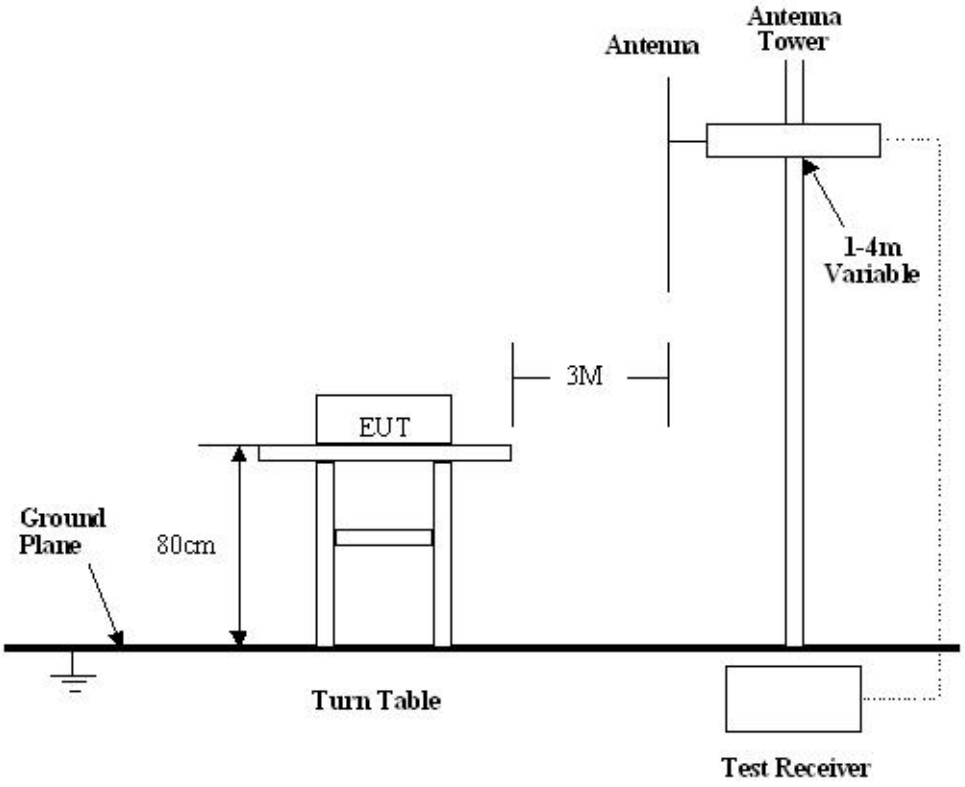
3.3. Test Procedure

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.
3. The EUT was under normal mode during the final qualification test and the configuration was used to represent the worst case results.

4. According to the FCC Part 15 Paragraph 15.205, 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 Reverse-Polarity antenna, fulfill the requirement of this section.

3.4. 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.



3.5. Spectrum Analyzer Setup

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

Start Frequency..... 30 MHz
Stop Frequency..... 25000 MHz
Sweep Speed .....Auto
IF Bandwidth..... 100 kHz
Video Bandwidth..... 1 MHz
Quasi-Peak Adapter Bandwidth ..... 120 kHz
Quasi-Peak Adapter Mode ..... Normal
Resolution Bandwidth 1MHz

3.6. 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 -7dBuV means the emission is 7dBuV below the maximum limit for Class B. The equation for margin calculation is as follows:

Margin = Corr. Ampl. – Class B Limit

3.7. Summary of Test Results

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

3.8. EUT Operating Condition

Same as section 6.4 of this report.

3.9. 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) Limit fundamental is 94dBuV/m@3m(AV)and114dBuV/m@3m(PK)

Limit field strength of harmonics: 54 dBuV/m@3m(AV)and74dBuV/m@3m(PK)

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.

3.10. 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/60Hz

Test Mode: Normal Working

Temperature: 24 °C

Humidity: 52%RH

Test Result: PASS

Remarks: No further spurious emission found between lowest internal generated/used frequency to 30 MHz

30MHz-1GHz Radiation emission test:

RADIATED EMISSION FCC PART15 B

EUT:	Wireless Camera M/N:CM-918T2
Manufacturer:	KESHENGDA TECHNOLOGY(SHENZHEN)CO.,LTD.
Operating Condition:	NORMAL WORKING
Test Site:	3M CHAMBER
Operator:	SAM
Test Specification:	AC 120V/60Hz
Comment:	

SWEEP TABLE: "test (30M-1G)"

Short Description:			Field Strength		
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	120 kHz	HL562 07

MEASUREMENT RESULT:

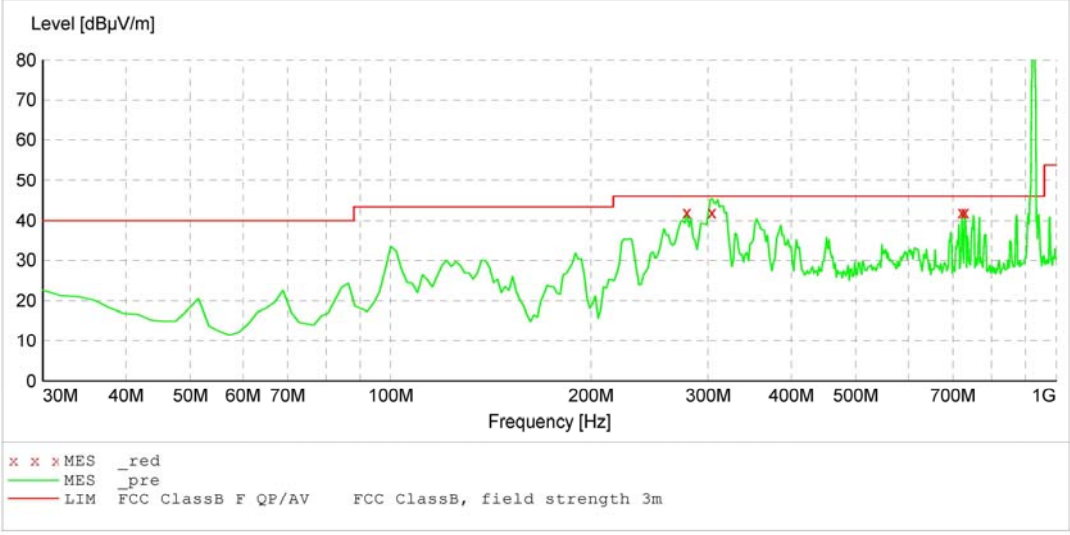
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
99.970000	41.10	14.8	43.5	2.4	QP	100.0	59.00	VERTICAL
189.390000	40.00	11.1	43.5	3.5	QP	100.0	309.00	VERTICAL
225.000000	41.00	11.2	46.0	5.0	QP	100.0	186.00	VERTICAL
282.700000	43.00	13.2	46.0	3.0	QP	100.0	186.00	VERTICAL
306.030000	42.60	14.2	46.0	3.4	QP	100.0	111.00	VERTICAL

RADIATED EMISSION FCC PART15 B

EUT: Wireless Camera M/N:CM-918T2
Manufacturer: KESHENGDA TECHNOLOGY(SHENZHEN)CO.,LTD.
Operating Condition: NORMAL WORKING
Test Site: 3M CHAMBER
Operator: SAM
Test Specification: AC 120V/60Hz
Comment:

SWEEP TABLE: "test (30M-1G)"

Short Description:			Field Strength		
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	120 kHz	HL562 07



MEASUREMENT RESULT:

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
278.810000	41.20	13.1	46.0	4.8	QP	100.0	257.00	HORIZONTAL
304.080000	42.10	14.1	46.0	3.9	QP	100.0	257.00	HORIZONTAL
722.020000	41.90	24.0	46.0	4.1	QP	100.0	208.00	HORIZONTAL
729.790000	42.30	23.9	46.0	3.7	QP	100.0	231.00	HORIZONTAL

Frequency (MHz)	Detector	Antenna Polarization	Emission Level (dBuV/m)	FCC 15 Subpart C Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Turntable Angle (°)
CH1 905MHz							
905.0	AV	Vertical	88.2	94.00	5.8	1.0	100
1810.0	AV	Vertical	45.3	54.00	8.7	1.5	60
2715.0	AV	Vertical	42.1	54.00	11.9	1.2	45
3620.0	AV	Vertical	41.6	54.00	12.4	1.0	90
4525.0	AV	Vertical	42.5	54.00	11.5	1.5	60
5430.0	AV	Vertical	40.1	54.00	13.9	1.2	100
6335.0	AV	Vertical	38.4	54.00	15.6	1.8	120
7240.0	AV	Vertical	35.0	54.00	19.0	1.2	60
8145.0	AV	Vertical	34.2	54.00	19.8	1.5	90
9050.0	AV	Vertical	31.9	54.00	22.1	1.0	120
905.0	AV	Horizontal	82.4	94.00	11.6	1.5	270
1810.0	AV	Horizontal	43.2	54.00	10.8	1.6	180
2715.0	AV	Horizontal	41.8	54.00	12.2	1.5	120
3620.0	AV	Horizontal	40.1	54.00	13.9	1.6	200
4525.0	AV	Horizontal	38.5	54.00	15.5	1.5	100
5430.0	AV	Horizontal	36.2	54.00	17.8	1.2	270
6335.0	AV	Horizontal	35.1	54.00	18.9	1.8	180
7240.0	AV	Horizontal	33.6	54.00	20.4	1.0	90
8145.0	AV	Horizontal	31.7	54.00	22.3	1.5	60
9050.0	AV	Horizontal	30.1	54.00	23.9	1.2	100
905.0	PK	Vertical	91.5	114.00	22.5	1.5	45
1810.0	PK	Vertical	46.2	74.00	27.3	1.5	120
2715.0	PK	Vertical	45.9	74.00	28.1	1.8	60
3620.0	PK	Vertical	44.3	74.00	29.7	1.0	270
4525.0	PK	Vertical	45.7	74.00	28.3	1.2	180
5430.0	PK	Vertical	43.9	74.00	30.1	1.5	60
6335.0	PK	Vertical	40.6	74.00	33.4	1.8	100
7240.0	PK	Vertical	40.2	74.00	33.8	1.2	120
8145.0	PK	Vertical	38.3	74.00	35.7	1.8	100
9050.0	PK	Vertical	33.8	74.00	40.2	1.0	90
905.0	PK	Horizontal	85.3	114.00	28.7	1.5	120
1810.0	PK	Horizontal	45.6	74.00	28.4	1.6	180
2715.0	PK	Horizontal	43.9	74.00	30.1	1.5	120
3620.0	PK	Horizontal	44.0	74.00	30.0	1.6	90

4525.0	PK	Horizontal	40.6	74.00	33.4	1.8	180
5430.0	PK	Horizontal	39.1	74.00	34.9	1.2	120
6335.0	PK	Horizontal	37.8	74.00	36.2	1.5	100
7240.0	PK	Horizontal	36.1	74.00	37.9	1.0	45
8145.0	PK	Horizontal	37.2	74.00	36.8	1.5	60
9050.0	PK	Horizontal	34.5	74.00	39.5	1.0	90
CH2 924MHz							
924.0	AV	Vertical	88.4	94.00	5.6	1.0	100
1848.0	AV	Vertical	45.2	54.00	8.8	1.5	60
2772.0	AV	Vertical	42.3	54.00	11.7	1.2	45
3696.0	AV	Vertical	41.6	54.00	12.4	1.0	90
4620.0	AV	Vertical	42.5	54.00	11.5	1.5	60
5534.0	AV	Vertical	40.3	54.00	13.7	1.2	100
6468.0	AV	Vertical	38.4	54.00	15.6	1.8	120
7392.0	AV	Vertical	35.1	54.00	18.9	1.2	60
8316.0	AV	Vertical	34.2	54.00	19.8	1.5	90
9240.0	AV	Vertical	31.9	54.00	22.1	1.0	120
924.0	AV	Horizontal	82.5	94.00	11.5	1.5	270
1848.0	AV	Horizontal	43.2	54.00	10.8	1.6	180
2772.0	AV	Horizontal	41.8	54.00	12.2	1.5	120
3696.0	AV	Horizontal	40.3	54.00	13.7	1.6	200
4620.0	AV	Horizontal	38.5	54.00	15.5	1.5	100
5534.0	AV	Horizontal	36.1	54.00	17.9	1.2	270
6468.0	AV	Horizontal	35.1	54.00	18.9	1.8	180
7392.0	AV	Horizontal	33.4	54.00	20.6	1.0	90
8316.0	AV	Horizontal	31.7	54.00	22.3	1.5	60
9240.0	AV	Horizontal	30.1	54.00	23.9	1.2	100
924.0	PK	Vertical	91.5	114.00	22.5	1.5	45
1848.0	PK	Vertical	46.5	74.00	27.5	1.5	120
2772.0	PK	Vertical	45.9	74.00	28.1	1.8	60
3696.0	PK	Vertical	44.4	74.00	29.6	1.0	270
4620.0	PK	Vertical	45.7	74.00	28.3	1.2	180
5534.0	PK	Vertical	43.9	74.00	30.1	1.5	60
6468.0	PK	Vertical	40.7	74.00	33.3	1.8	100
7392.0	PK	Vertical	40.2	74.00	33.8	1.2	120
8316.0	PK	Vertical	38.3	74.00	35.7	1.8	100
9240.0	PK	Vertical	33.7	74.00	40.3	1.0	90

924.0	PK	Horizontal	85.3	114.00	28.7	1.5	120
1848.0	PK	Horizontal	45.5	74.00	28.5	1.6	180
2772.0	PK	Horizontal	43.9	74.00	30.1	1.5	120
3696.0	PK	Horizontal	44.2	74.00	29.8	1.6	90
4620.0	PK	Horizontal	40.6	74.00	33.4	1.8	180
5534.0	PK	Horizontal	39.1	74.00	34.9	1.2	120
6468.0	PK	Horizontal	37.8	74.00	36.2	1.5	100
7392.0	PK	Horizontal	36.3	74.00	37.7	1.0	45
8316.0	PK	Horizontal	37.2	74.00	36.8	1.5	60
9240.0	PK	Horizontal	34.6	74.00	39.4	1.0	90

Note: Above 1GHz,do a Peak and Average measurements for all emissions:
Limit fundamental is 94dBuV/m@3m(AV)and114dBuV/m@3m(PK)
Limit field strength of harmonics: 54 dBuV/m@3m(AV)and74dBuV/m@3m(PK)

4 Band Edge

4.1. Test Equipment

Please refer to Section 1.5. this report.

4.2. Test Procedure

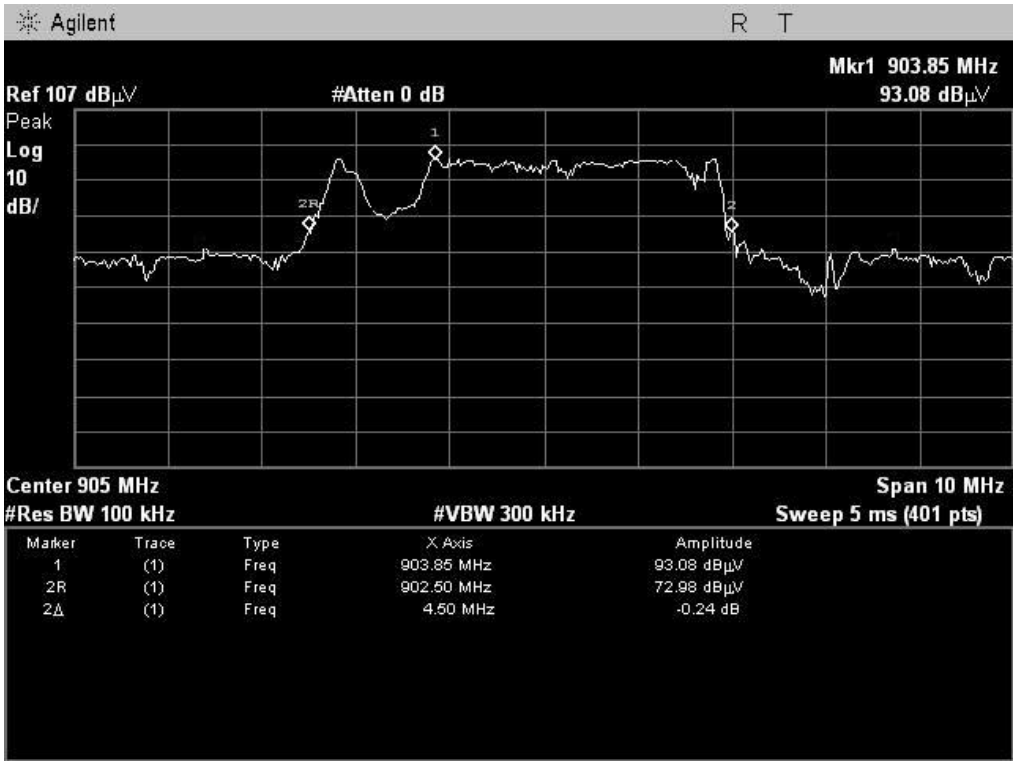
1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below:

2. The bandwidth of the fundamental frequency was measure by spectrum analyser with 1MHz RBW and 1MHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power 20dB.

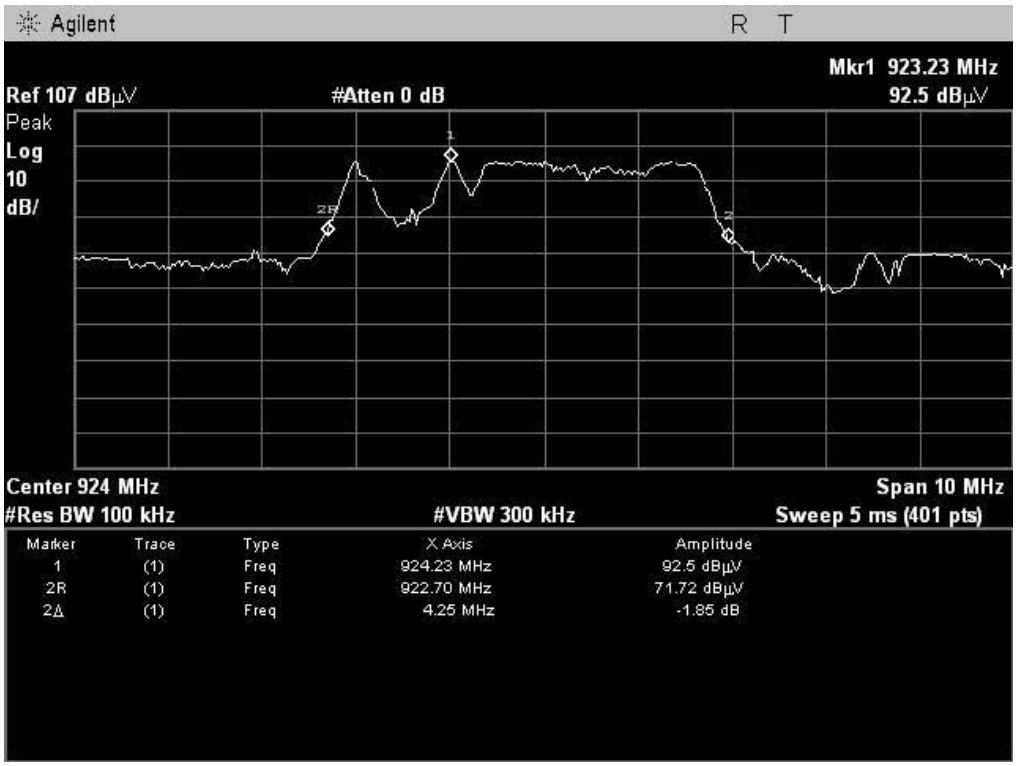
4.3. 20db Bandwidth Test Result

Product Name:	Wireless Camera
Test Item:	20db Band Edge Test
Test Voltage:	DC 12V by the Adaptor
Mode:	TX On
Temperature:	24 °C
Humidity:	52%RH

CH1 905 MHz



CH2 924 MHz

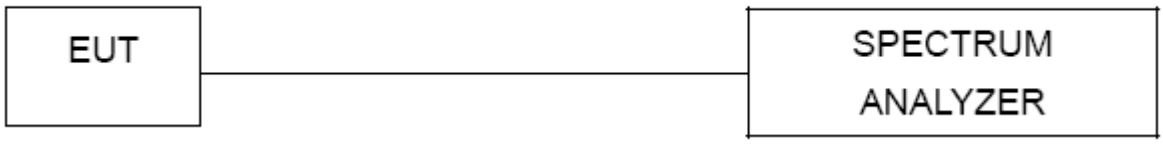


4.4. Test Equipment

Please refer to Section 1.5. this report.

4.5. Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below:



2. Emissions radiated outside of the specified frequency bands was measure by spectrum analyser with 100KHz RBW and 300KHz VBW..

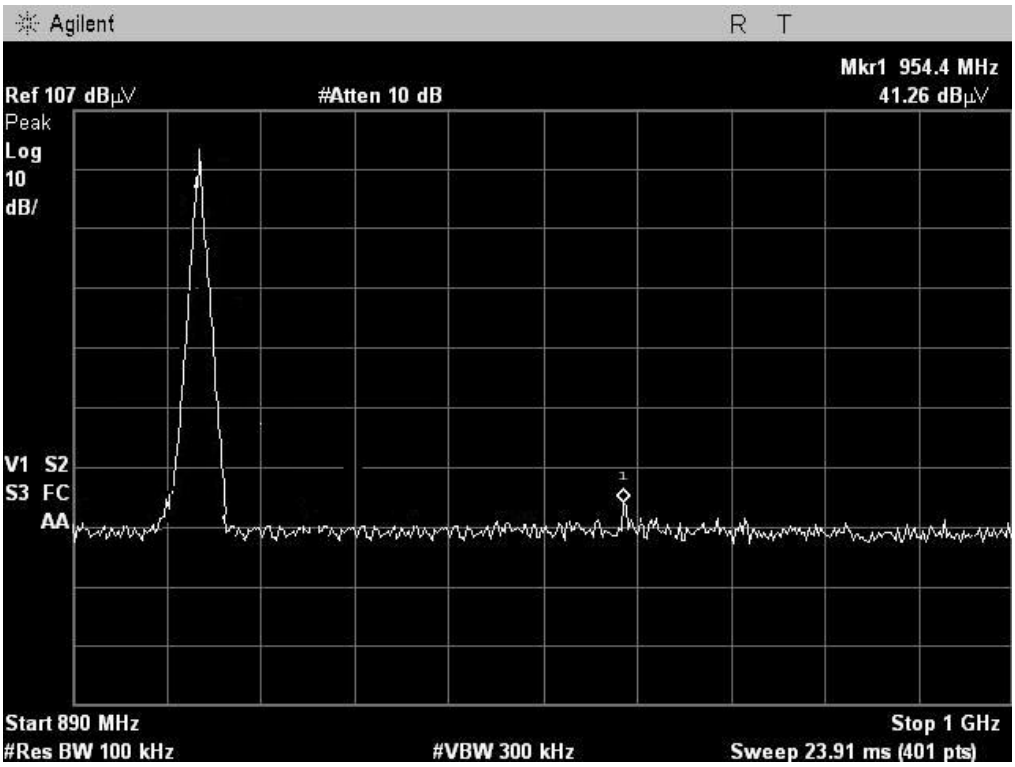
4.6. Applied Procedures/Limit

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.

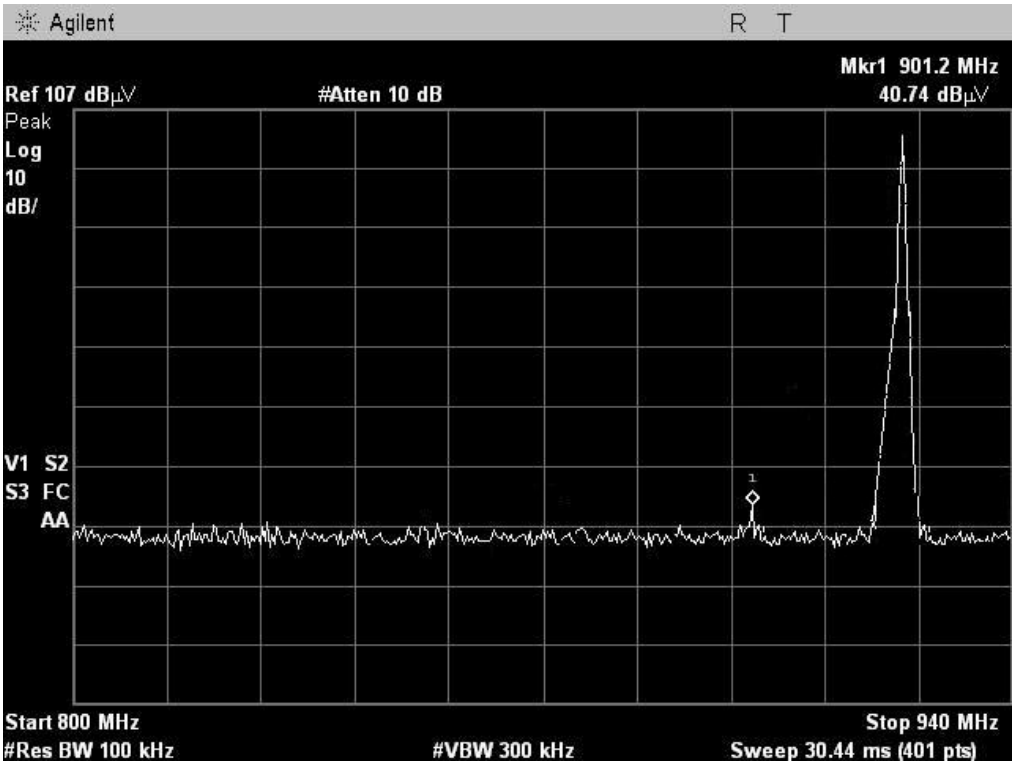
4.7. Band Edge Test Result

Product Name:	Wireless Camera
Test Item:	Emissions radiated outside of the specified frequency bands
Test Voltage:	AC 120V/60Hz
Test Mode:	Normal Working
Temperature:	24 °C Humidity: 52%RH

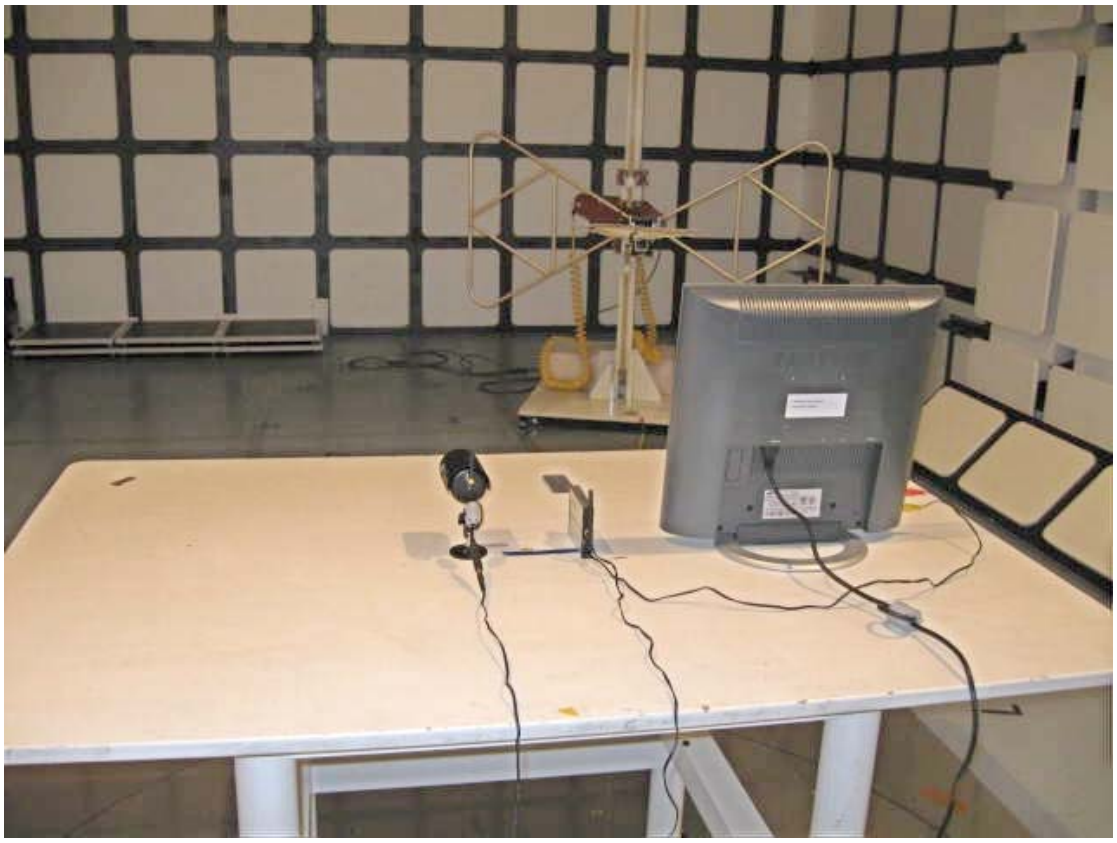
CH1 905MHz



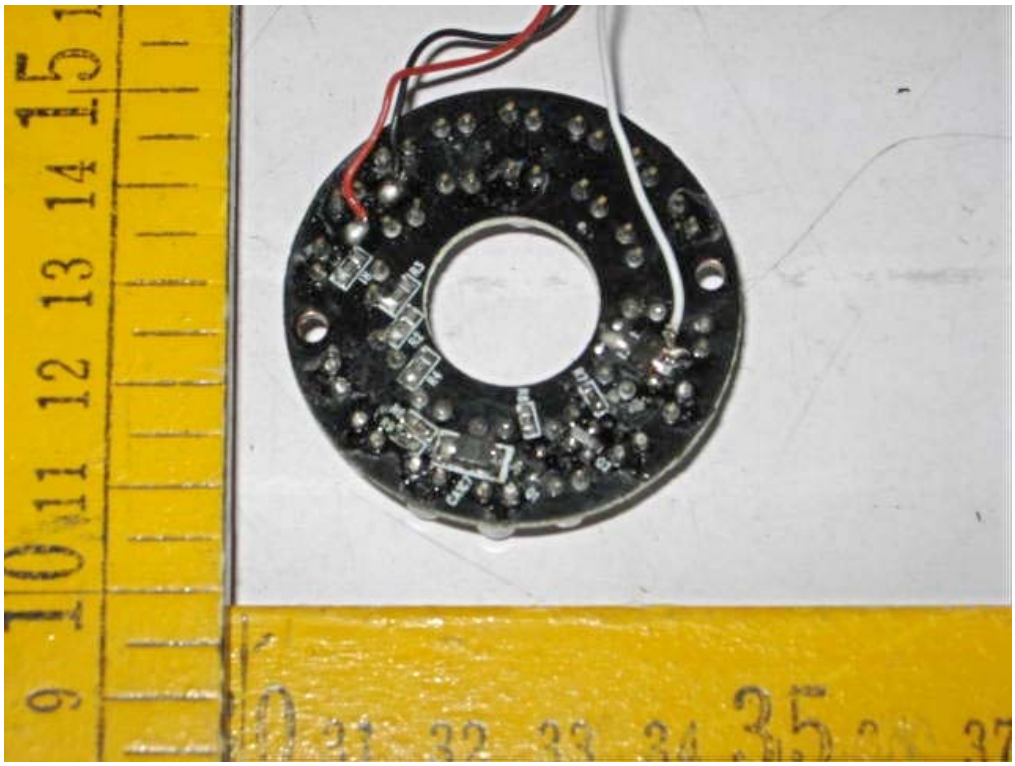
CH2 924MHz

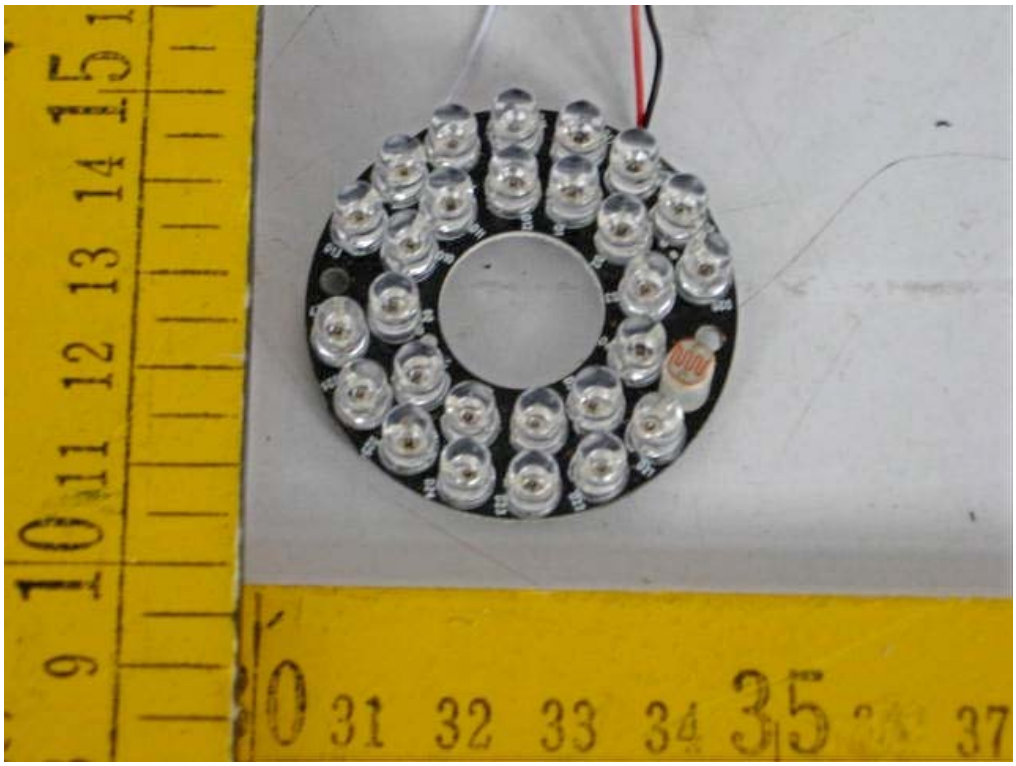


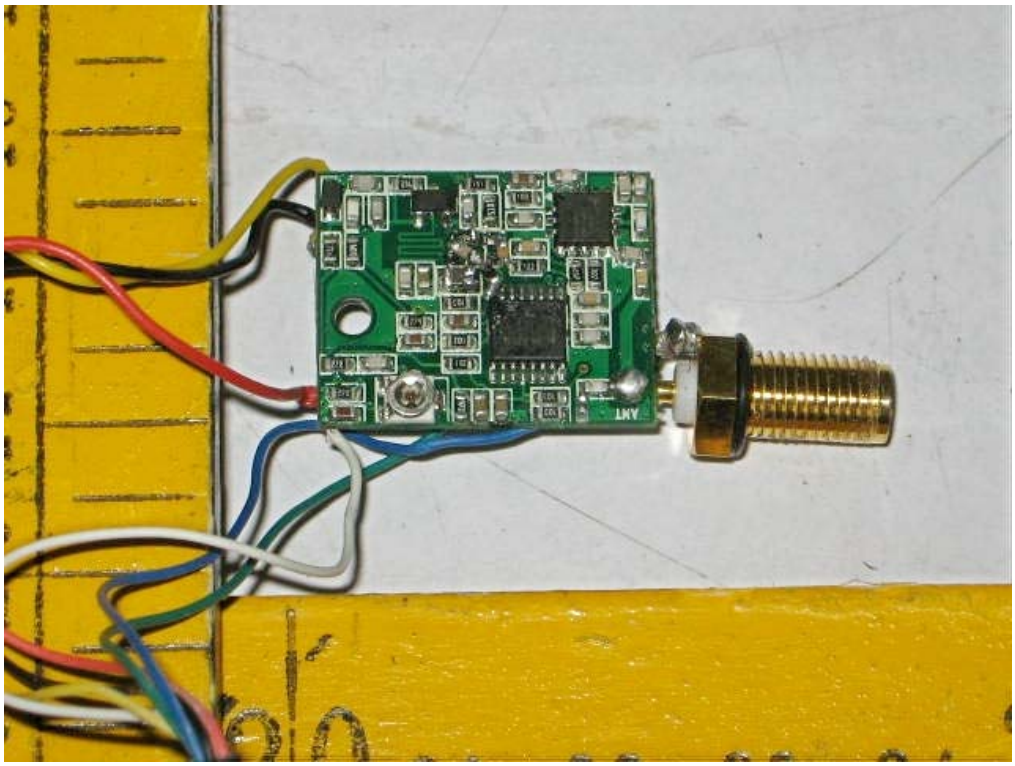
5 Photographs of Test setup

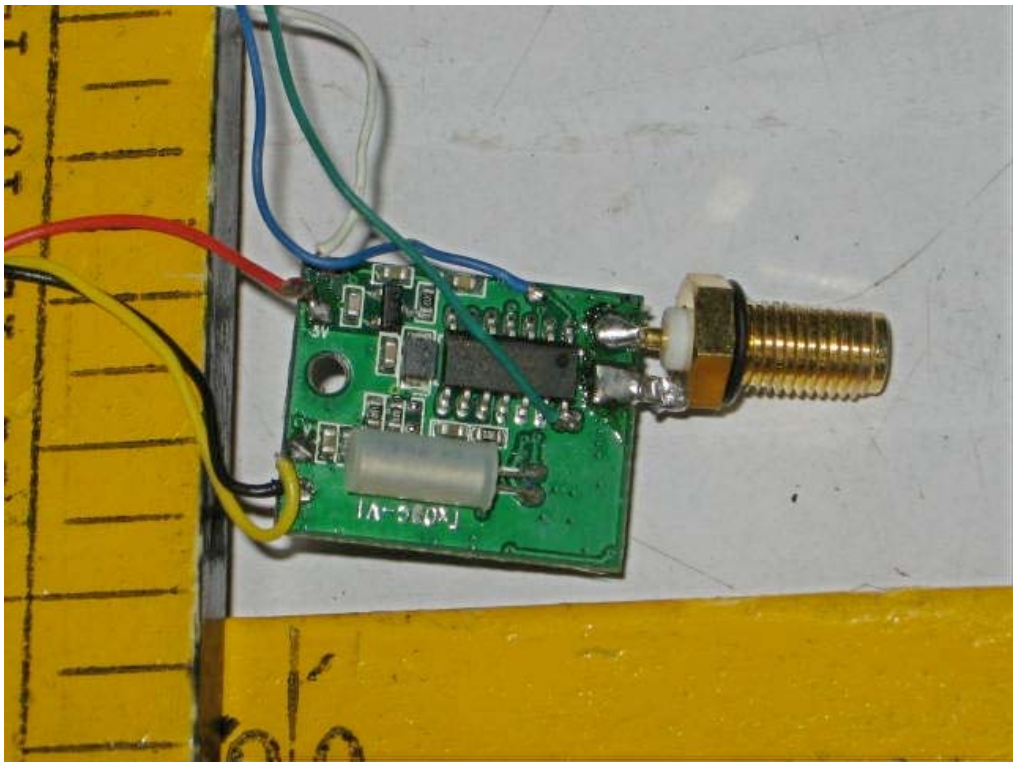


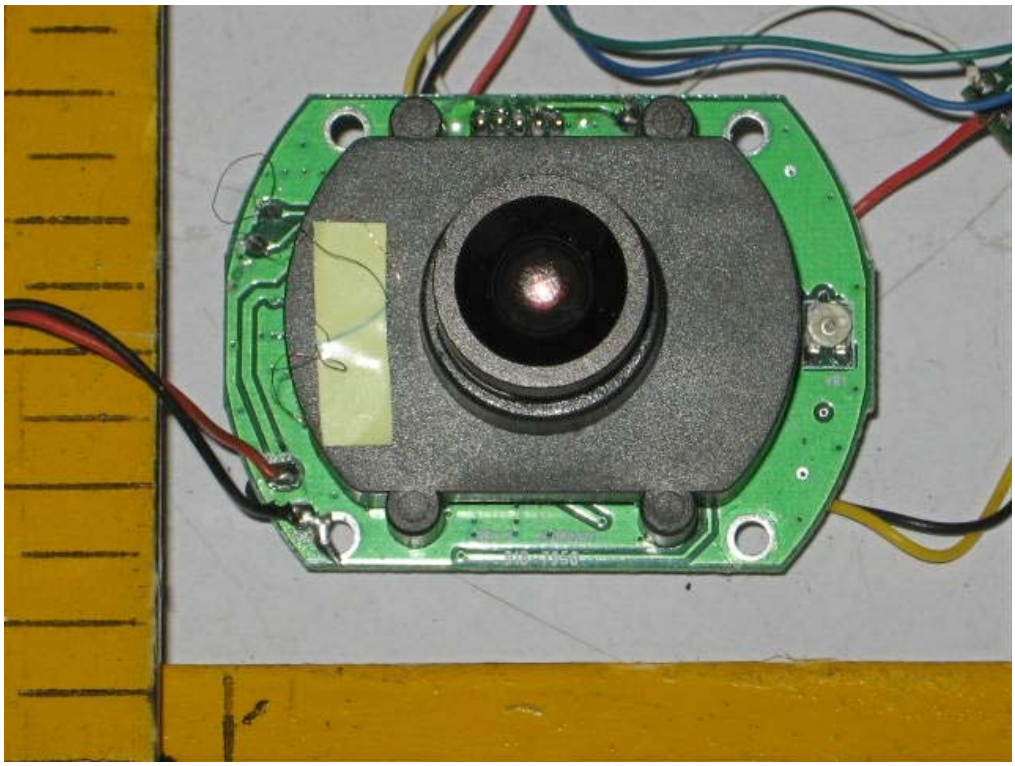
6 Photographs of EUT

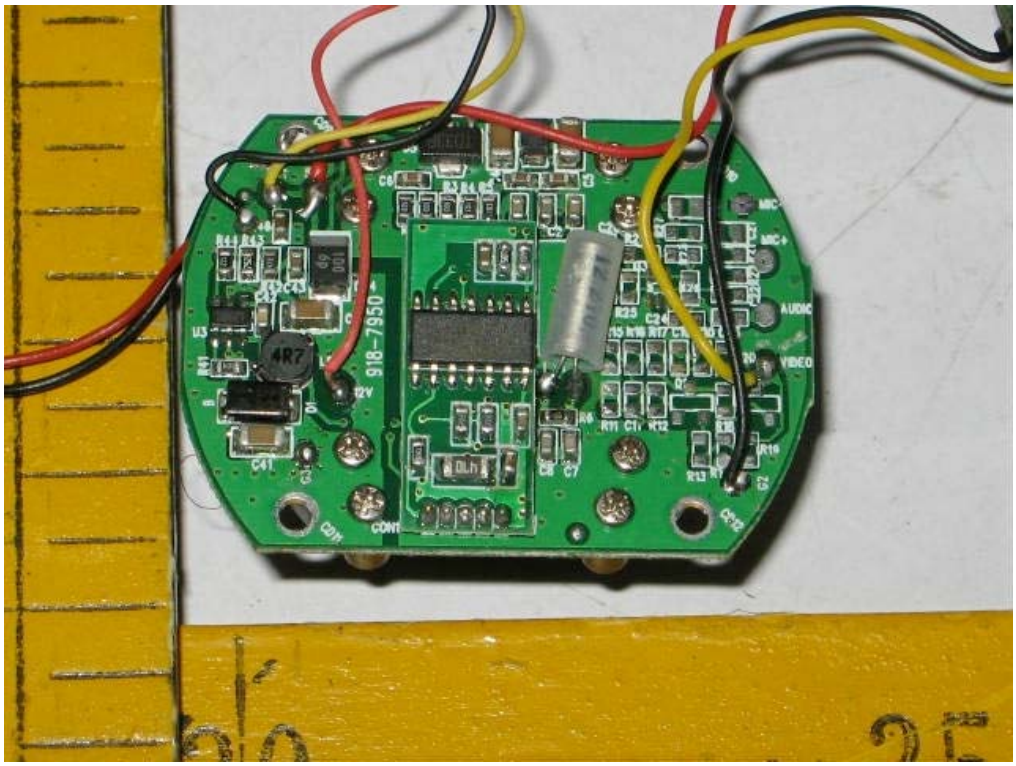




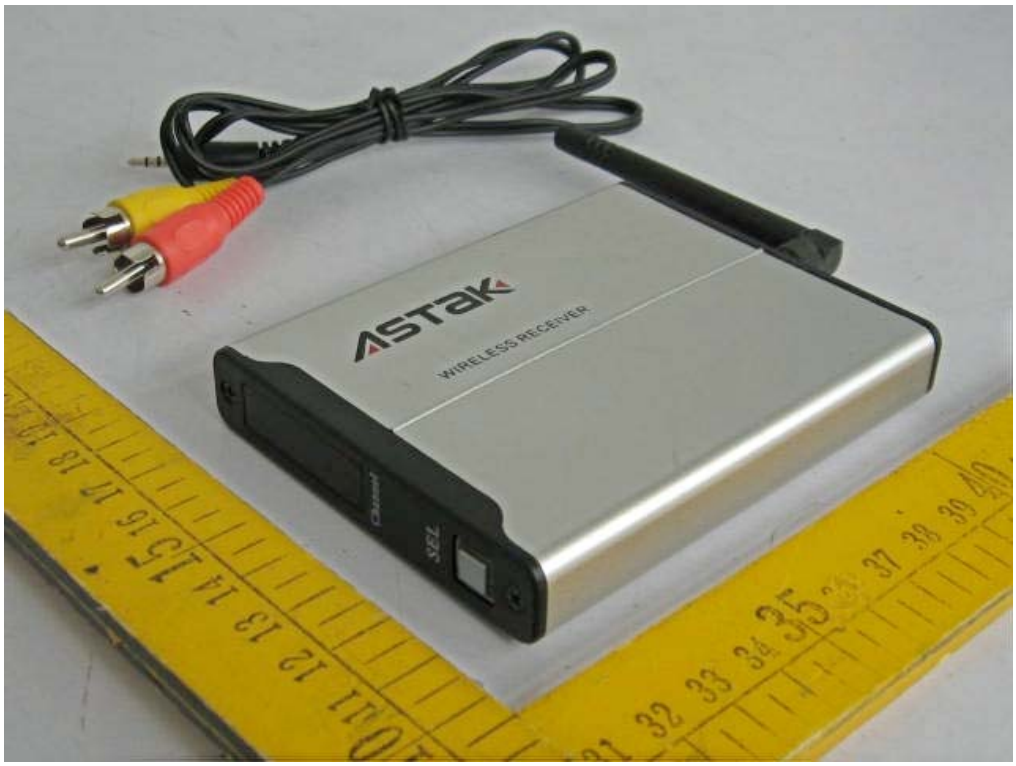




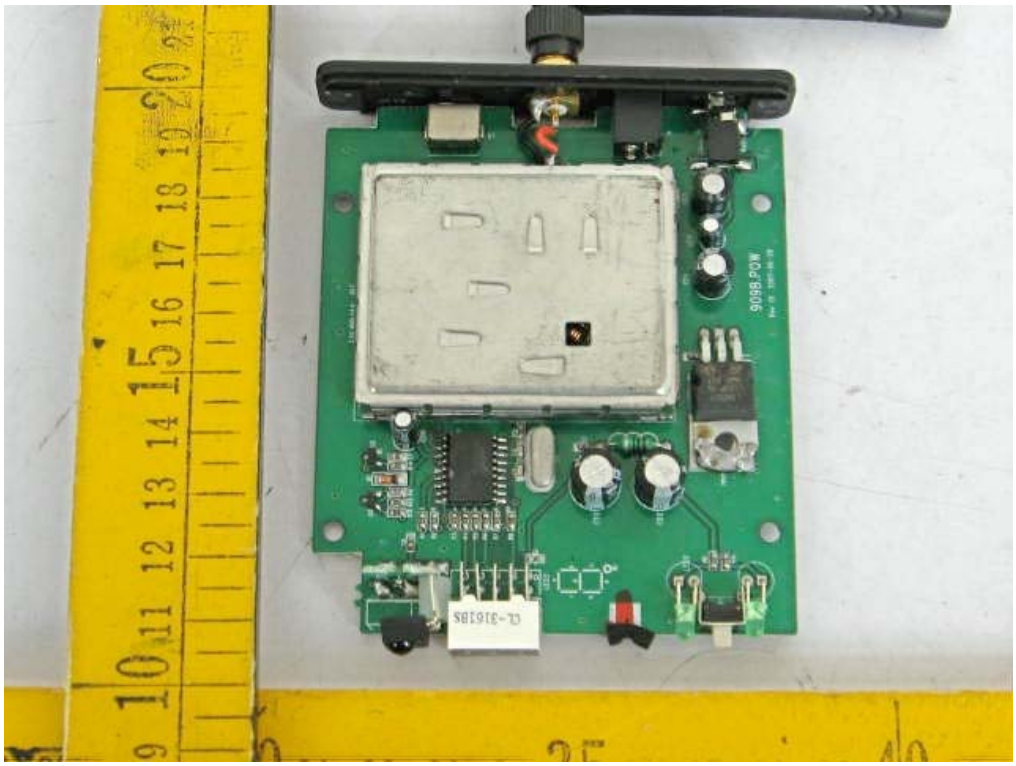


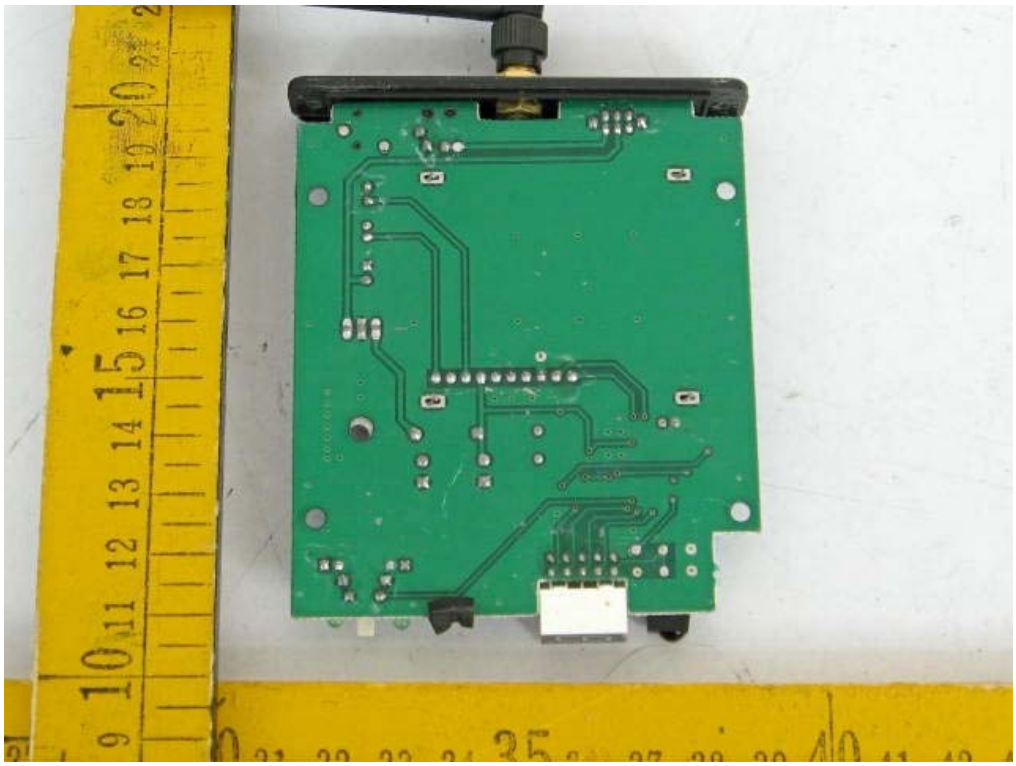



AC ADAPTER
MODEL: HNA120050U
INPUT: 100-240V~
50-60Hz 0.15A MAX LPS
OUTPUT: 12.0V 0.5A
MADE IN CHINA
SN:


ASTAK
WIRELESS RECEIVER
SEL


ASTAK
DC5V
ON/OFF
A/V





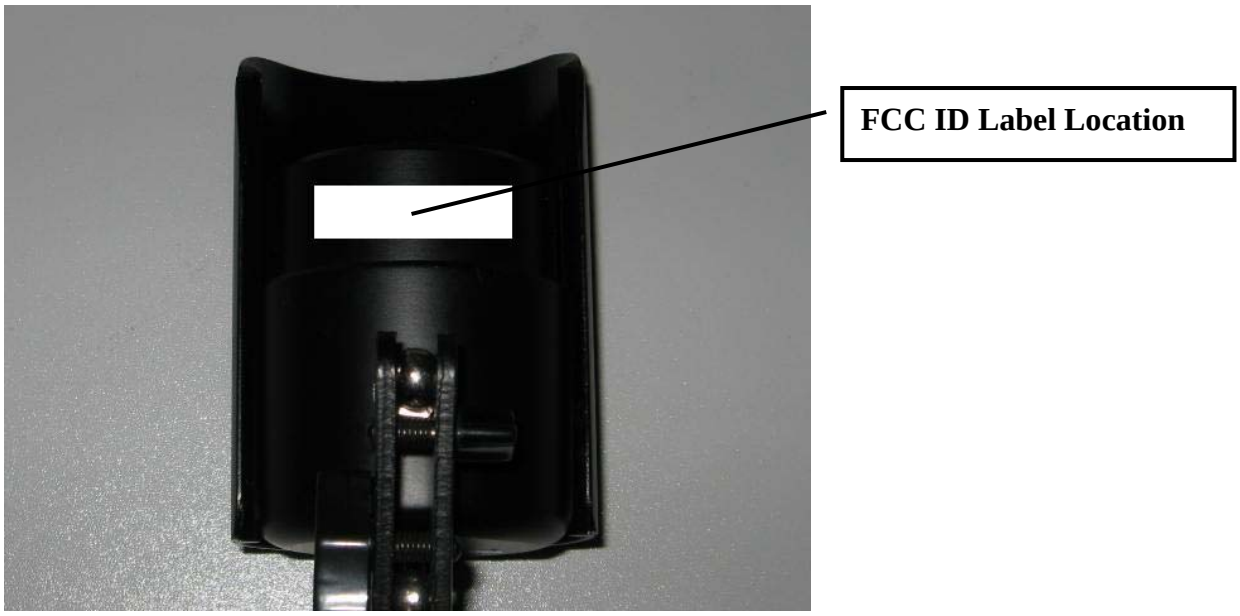

AC ADAPTOR
CLASS 2 POWER SUPPLY
MODEL: GPU350800300WD00
INPUT: 120VAC 60Hz 8W
OUTPUT: 8VDC 300mA
POLARITY:


1
2
+
-
CHANNEL REMOTE

7 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.



END of Report