



## TEST REPORT

### FCC PART 15 SUBPART B

**FCC ID** .....: L5C960072C

**Report Reference No.** .....: WE09120004

Compiled by

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Date of issue.....: Dec 15, 2009

**Testing Laboratory Name** .....: Shenzhen Huatongwei International Inspection Co., Ltd

Address.....: Keji Nan No.12 Road, Hi-tech Park, Shenzhen, China

**Applicant's name** .....: Ansen Electronics Company

Address.....: Room 78,2/F,Sino Industrial Plaza,9 Kai Cheung Road,Kowloon Bay,Kowloon,Hong Kong

**Manufacturer's name** .....: Ansen Electronics Company

Address.....: Chen Tung Industrial Zone,Ning Tau Administrative District,Qiao Tau Zhen,Dongguan,Guangdong

#### Test specification:

Standard .....: **FCC Part Subpart 15B 2008 – Unintentional Radiators**

TRF Originator .....: Shenzhen Huatongwei International Inspection CO., Ltd

Master TRF .....: Dated 2006-06

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**Test item description** .....: 7-Day Hunt Wireless Weather Forecaster

Trade Mark .....: /

Model/Type reference .....: 960072C

Listed Models .....: /

Result .....: **Positive**

## TEST REPORT

Test Report No. :	WE09120004	Dec 15, 2009
		Date of issue

Equipment under Test : 7-Day Hunt Wireless Weather Forecaster

Model /Type : 960072C

Listed Models : /

**Applicant** : **Ansen Electronics Company**

Address : Room 78,2/F,Sino Industrial Plaza,9 Kai Cheung Road,Kowloon Bay,Kowloon,Hong Kong

**Manufacturer** : **Ansen Electronics Company**

Address : Chen Tung Industrial Zone,Ning Tau Administrative District,Qiao Tau Zhen,Dongguan,Guangdong

## SUMMARY OF STANDARDS AND RUSELT

No.	Test Item	Test Standards and Procedure	Result
1	Conducted Emission Test	FCC Subpart 15B § 15.107 ANSI C63.4-2003 section 7	Complied
2	Radiated Emission Test	FCC Subpart 15B § 15.109 ANSI C63.4-2003 section 8	Complied

NOTE: 1),The detailed test result please see section 4.

2),The test report merely corresponds to the test sample.

3),It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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## 1. TEST STANDARDS

The tests were performed according to following standards:

[FCC Rules Part 15 Subpart B 2008 - Unintentional Radiators](#)

## 2. SUMMARY

### 2.1. General Remarks

Date of receipt of test sample : Dec 7, 2009

Testing commenced on : Dec 8, 2009

Testing concluded on : Dec 15, 2009

### 2.2. Equipment Under Test

#### Power supply system utilised

Power supply voltage :  120V / 60 Hz  115V / 60Hz  
 12 V DC  24 V DC  
 Other (specified in blank below)

DC 6V Adapter From AC 120V/60Hz(test voltage)

DC 6V Battery

### 2.3. Short description of the Equipment under Test (EUT)

Product Name : 7-Day Hunt Wireless Weather Forecaster

Model Number : 960072C

Operation Frequency : 915MHz(RX)

Channel Number : 1

Modulation Technology : FSK

Equipment Type : Normal receiver

Sample Type : Prototype

For more details, refer to the user's manual.

### 2.4. EUT operation mode

The EUT has been tested under typical operating mode(RX mode).

## 2.5. EUT configuration

**The following peripheral devices and interface cables were connected during the measurement:**

- supplied by the manufacturer

- supplied by the lab

AC Adaptor

MODEL : KU2B-060-0350D

INPUT : 120VAC 60Hz 7W

OUTPUT : 6VDC 350mA

Adaptor Cable

Length : 180cm

Shield  Unshield

Detachable  Undetachable

## 2.6. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: **L5C960072C** filing to comply with the FCC Part 15, Subpart B Rules 2008.

## 2.7. Modifications

No modifications were implemented to meet testing criteria.

### **3. TEST ENVIRONMENT**

#### **3.1. Address of the test laboratory**

Shenzhen Huatongwei International Inspection Co., Ltd  
Keji Nan No.12 Road, Hi-tech Park, Shenzhen, China  
Phone: 86-755-26715686 Fax: 86-755-26748089

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 (2003) and CISPR Publication 22.

#### **3.2. Test Facility**

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

##### **CNAS-Lab Code: L1225**

Shenzhen Huatongwei International Inspection Co., Ltd has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories, Date of Registration: August 02, 2007. Valid time is until March 29, 2012.

##### **A2LA-Lab Cert. No. 2243.01**

Shenzhen Huatongwei International Inspection Co., Ltd, EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. Valid time is from Aug 24, 2005 to Dec 30, 2009.

##### **FCC-Registration No.: 662850**

Shenzhen Huatongwei International Inspection 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 662850, Renewal date Jul 1, 2009.

##### **IC-Registration No.: 5377**

The 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377 on November Feb 13, 2009.

##### **ACA**

Shenzhen Huatongwei International Inspection Co., Ltd, EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

##### **NEMKO-Aut. No.: ELA125**

Shenzhen Huatongwei International Inspection Co., Ltd has been assessed the quality assurance system, the testing facilities, qualifications and testing practices of the relevant parts of the organization. The quality assurance system of the Laboratory has been validated against ISO/IEC 17025:2005 or equivalent. The laboratory also fulfils the conditions described in Nemko Document NLA-10, the Authorization is valid through Jul 7, 2011.

##### **VCCI**

The 3m Semi-anechoic chamber (12.2m×7.95m×6.7m) and Shielded Room (8m×4m×3m) of Shenzhen Huatongwei International Inspection Co., Ltd has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-2484. Date of Registration: December 20, 2006. Valid time is until December 19, 2009.

Main Ports Conducted Interference Measurement of Shenzhen Huatongwei International Inspection Co., Ltd has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-2726. Date of Registration: December 20, 2006. Valid time is until December 19, 2009.

**DNV**

Shenzhen Huatongwei International Inspection Co Ltd has been found to comply with the requirements of DNV towards subcontractor of EMC and safety testing services in conjunction with the EMC and Low voltage Directives and in the voluntary field. The acceptance is based on a formal quality Audit and follow-ups according to relevant parts of ISO/IEC Guide 17025(2005), in accordance with the requirements of the DNV Laboratory Quality Manual towards subcontractors. Valid time is until 09 July, 2010.

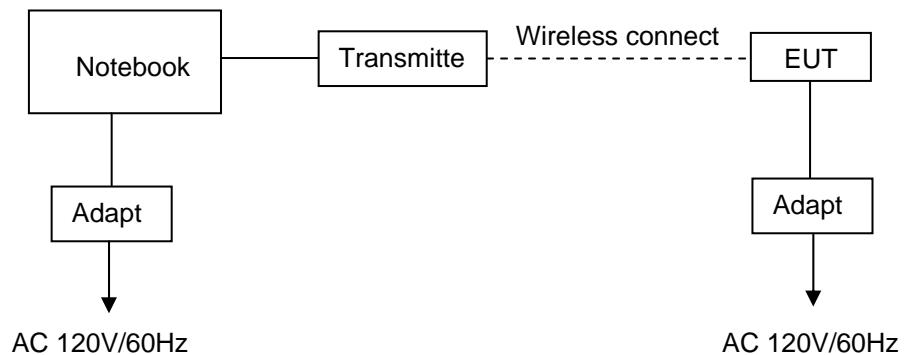
### 3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15-35 ° C
Humidity:	30-60 %
Atmospheric pressure:	950-1050mbar

### 3.4. Configuration of Tested System

**Configuration of Tested System**



**Equipment Used in Tested System**

No.	Product	Manufacturer	Model No.	Serial No.	Note
1	Transmitter	Ansen	-	-	-
2	Notebook	ASUS	Z9100	--	--

### 3.5. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	4.22dB	(1)
Radiated Emission	1~12.75GHz	4.35dB	(1)
Conducted Disturbance	0.15~30MHz	3.29dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

### 3.6. Equipments Used during the Test

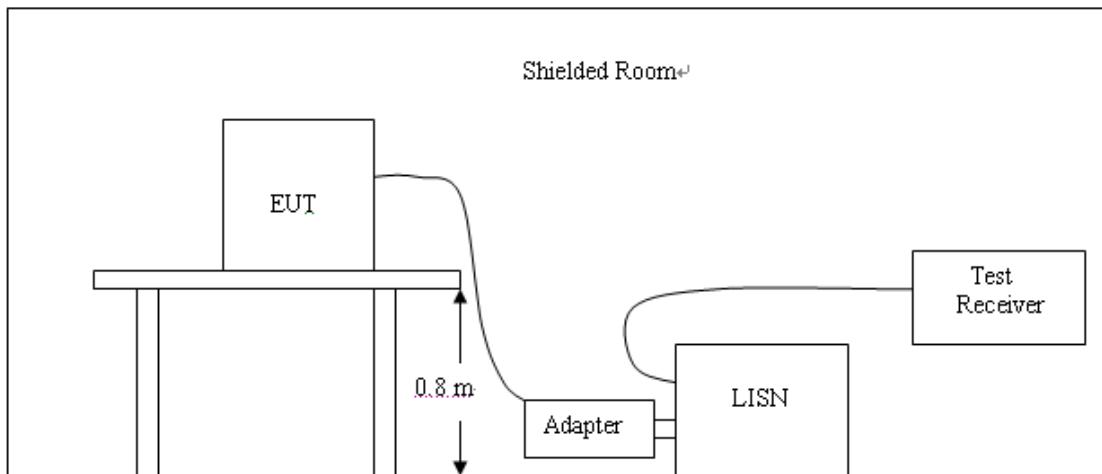
AC Power Conducted Emission					
No.	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESCI	100106	2009/11
2	ARTIFICIAL MAINS	ROHDE & SCHWARZ	ESH2-Z5	100028	2009/11
3	PULSE LIMITER	ROHDE & SCHWARZ	ESHSZ2	100044	2009/11
4	EMI TEST SOFTWARE	ROHDE & SCHWARZ	ES-K1 1.71	N/A	2009/11

Radiated Emissions					
No.	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	ULTRA-BROADBAND ANTENNA	ROHDE & SCHWARZ	HL562	100015	2009/11
2	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESI 26	100009	2009/11
3	RF TEST PANEL	ROHDE & SCHWARZ	TS / RSP	335015/ 0017	2009/11
4	TURNTABLE	ETS	2088	2149	2009/11
5	ANTENNA MAST	ETS	2075	2346	2009/11
6	EMI TEST SOFTWARE	ROHDE & SCHWARZ	ESK1	N/A	2009/11
7	HORN ANTENNA	ROHDE & SCHWARZ	HF906	N/A	2009/11

## 4. TEST CONDITIONS AND RESULTS

### 4.1. Conducted Emissions Test

#### TEST CONFIGURATION



#### TEST PROCEDURE

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4.
- 2 Support equipment, if needed, was placed as per ANSI C63.4.
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- 4 The EUT received DC6V power from the adapter, the adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any.
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

#### Conducted Power Line Emission Limit

For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following :

Frequency (MHz)	Maximum RF Line Voltage (dB $\mu$ V)			
	CLASS A		CLASS B	
	Q.P.	Ave.	Q.P.	Ave.
0.15 - 0.50	79	66	66-56*	56-46*
0.50 - 5.00	73	60	56	46
5.00 - 30.0	73	60	60	50

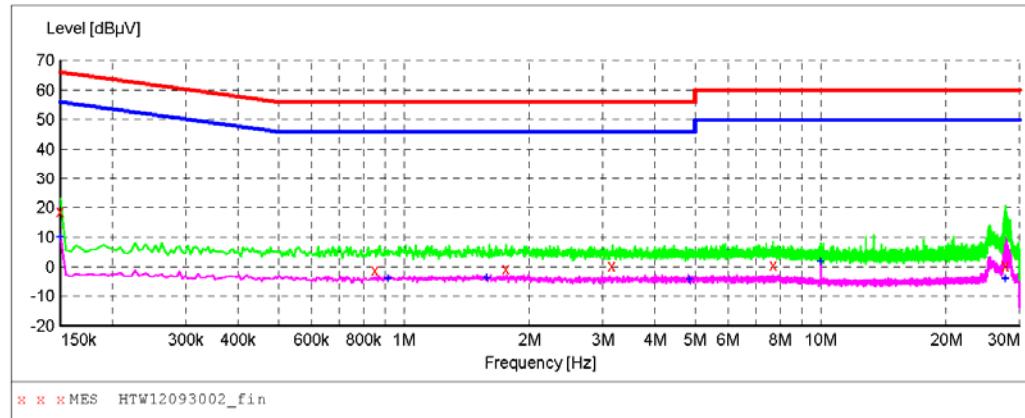
\* Decreasing linearly with the logarithm of the frequency

\* For intentional device, according to §15.207(a) Line Conducted Emission Limit is same as above table.

**TEST RESULTS**

EUT: 7-Day Hunt Wireless Weather Forecaster  
 Manufacturer: Ansen  
 Operating Condition: On  
 Test Site: 3# SHIELDED ROOM  
 Operator: Cary  
 Test Specification: AC 120V/60Hz  
 Comment: M/N:960072C  
 Start of Test: 12/9/2009 / 9:11:33AM

**SCAN TABLE: "Voltage (9K-30M) FIN"**  
 Short Description: 150K-30M Voltage

**MEASUREMENT RESULT: "HTW12093002\_fin"**

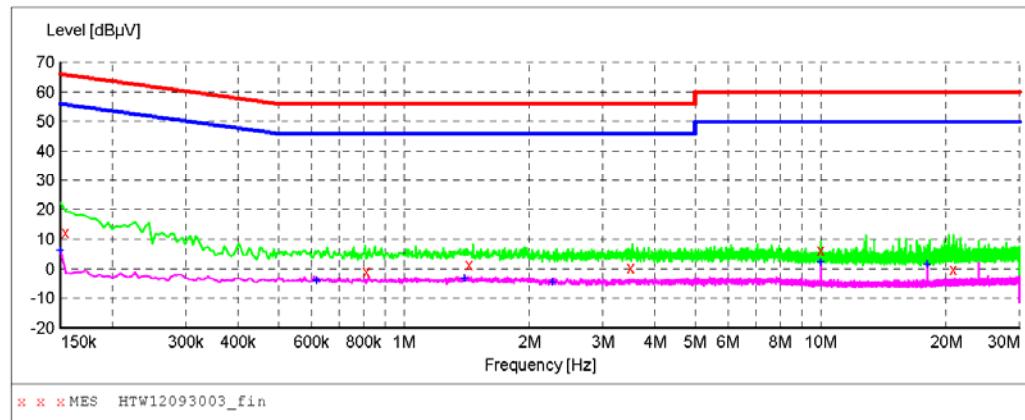
12/9/2009 9:14AM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dBµV	dB	dBµV	dB			
	0.150000	18.80	10.2	66	47.2	QP	N	GND
	0.852000	-1.10	10.2	56	57.1	QP	N	GND
	1.756500	-0.70	10.3	56	56.7	QP	N	GND
	3.151500	0.30	10.4	56	55.7	QP	N	GND
	7.714500	0.70	10.5	60	59.3	QP	N	GND
	27.766500	0.40	11.2	60	59.6	QP	N	GND

**MEASUREMENT RESULT: "HTW12093002\_fin2"**

12/9/2009 9:14AM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dBµV	dB	dBµV	dB			
	0.150000	9.90	10.2	56	46.1	AV	N	GND
	0.915000	-4.00	10.3	46	50.0	AV	N	GND
	1.581000	-3.80	10.3	46	49.8	AV	N	GND
	4.852500	-4.20	10.4	46	50.2	AV	N	GND
	10.000500	1.70	10.6	50	48.3	AV	N	GND
	27.766500	-3.90	11.2	50	53.9	AV	N	GND

EUT: 7-Day Hunt Wireless Weather Forecaster  
 Manufacturer: Ansen  
 Operating Condition: On  
 Test Site: 3# SHIELDED ROOM  
 Operator: Cary  
 Test Specification: AC 120V/60Hz  
 Comment: M/N:960072C  
 Start of Test: 12/9/2009 / 9:16:33AM

**SCAN TABLE: "Voltage (9K-30M) FIN"**  
 Short Description: 150K-30M Voltage



**MEASUREMENT RESULT: "HTW12093003\_fin"**

12/9/2009 9:19AM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dBμV	dB	dBμV	dB			
	0.154500	12.30	10.2	66	53.5	QP	L1	GND
	0.811500	-0.90	10.2	56	56.9	QP	L1	GND
	1.437000	1.50	10.3	56	54.5	QP	L1	GND
	3.507000	0.40	10.4	56	55.6	QP	L1	GND
	10.000500	6.40	10.6	60	53.6	QP	L1	GND
	20.850000	-0.20	11.0	60	60.2	QP	L1	GND

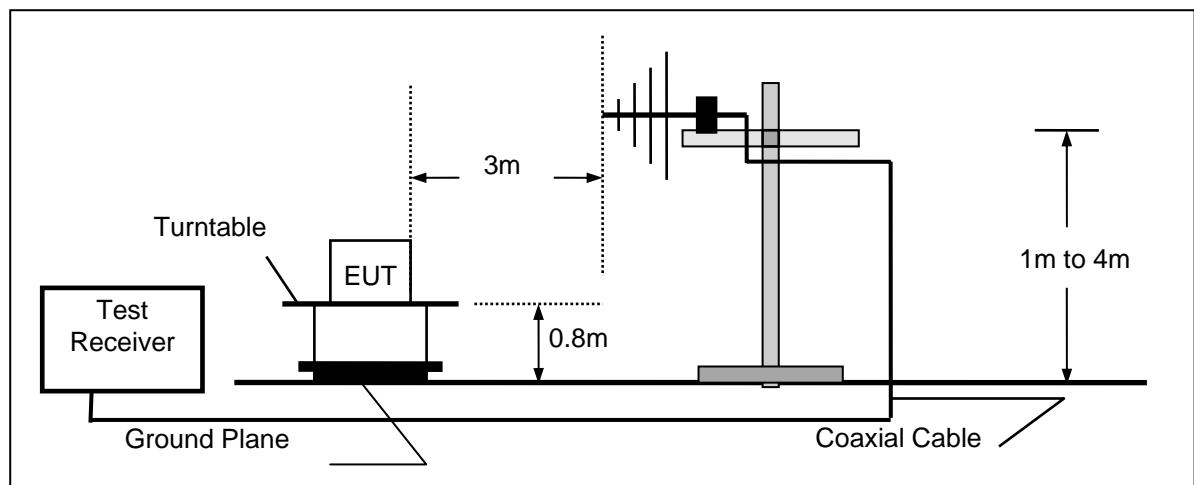
**MEASUREMENT RESULT: "HTW12093003\_fin2"**

12/9/2009 9:19AM	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dBμV	dB	dBμV	dB			
	0.150000	6.10	10.2	56	49.9	AV	L1	GND
	0.618000	-3.90	10.2	46	49.9	AV	L1	GND
	1.396500	-3.30	10.3	46	49.3	AV	L1	GND
	2.274000	-4.40	10.4	46	50.4	AV	L1	GND
	10.000500	2.20	10.6	50	47.8	AV	L1	GND
	18.001500	1.50	10.8	50	48.5	AV	L1	GND

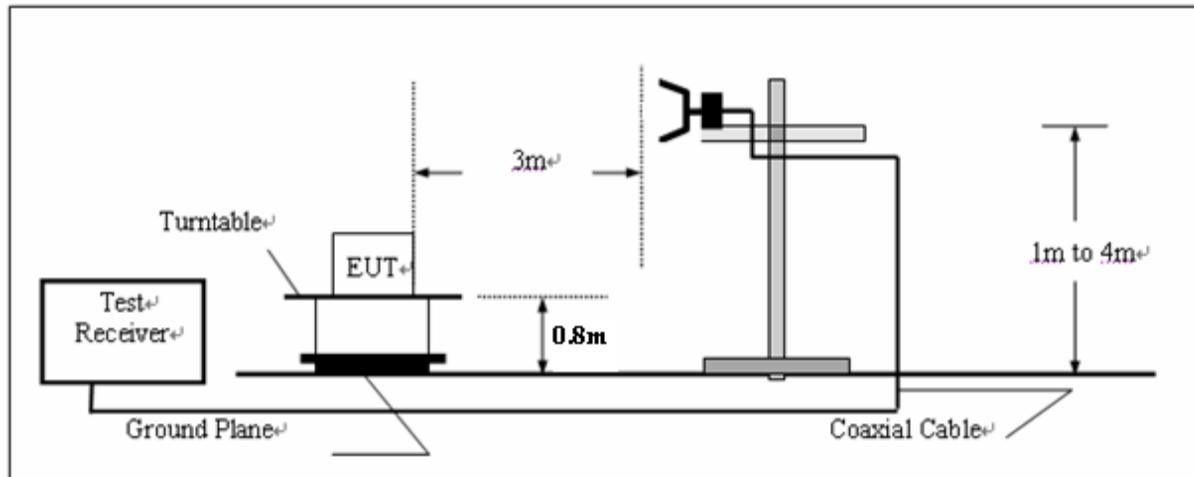
## 4.2. Radiated Emission Test

### TEST CONFIGURATION

Radiated Emission Test Set-Up, Frequency range 30 - 1000MHz



Radiated Emission Test Set-Up, Frequency range 1GHz-10GHz



### TEST PROCEDURE

- 1 The EUT was placed on a turn table which is 0.8m above ground plane.
- 2 The test was beforehand carried out both battery and AC adaptor supply, and AC adaptor supply was worse mode, finally test was be carried out under this mode.
- 3 Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0°C to 360°C to acquire the highest emissions from EUT
- 4 And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 5 Repeat above procedures until all frequency measurements have been completed.

## Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$\mathbf{FS = RA + AF + CL - AG}$$

Where	FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	AG = Amplifier Gain
	AF = Antenna Factor	

## RADIATION LIMIT

For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Distance (Meters)	Radiated (dB $\mu$ V/m)	Radiated ( $\mu$ V/m)
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

## TEST RESULTS

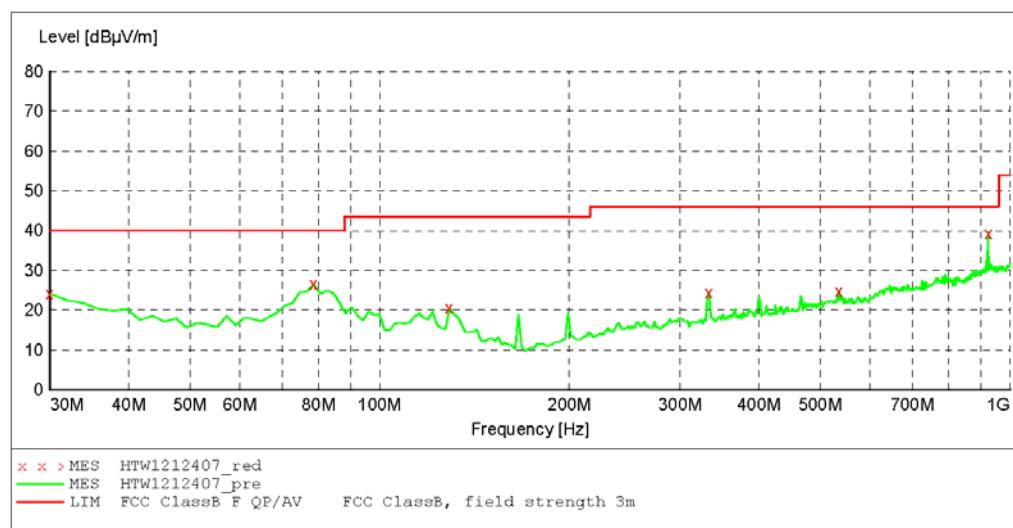
All emissions from 30MHz to 10GHz comply with peak and average limit, detailed test data please see the following pages.

Operation Mode: RX mode      Temperature: 20 °C      Humidity: 70 % RH      Polarity: Hor.

EUT: 7-Day Hunt Wireless Weather Forecaster  
 Manufacturer: Ansen  
 Operating Condition: On  
 Test Site: 3M CHAMBER  
 Operator: Cary  
 Test Specification: AC 120V/60Hz  
 Comment: M/N:960072C  
 Start of Test: 12/12/2009 / 11:41:29AM

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

Short Description:		Field Strength		
Start Frequency	Stop Frequency	Detector	Meas.	IF
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz
				Transducer HL562 09



***MEASUREMENT RESULT: "HTW1212407\_red"***

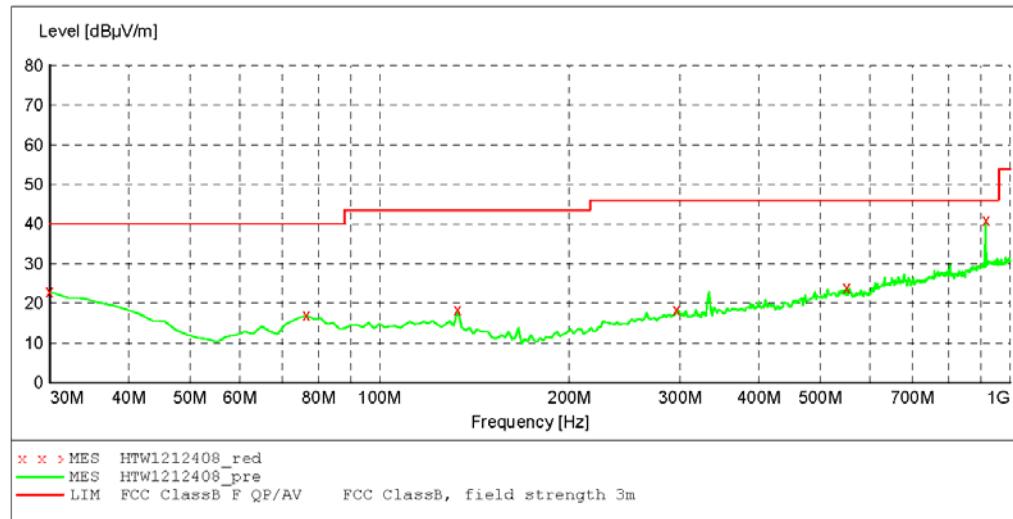
12/12/2009 11:43AM	Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
	MHz	dB $\mu$ V/m	dB	dB $\mu$ V/m	dB		cm	deg	
	30.000000	24.20	-4.7	40.0	15.8	QP	100.0	89.00	VERTICAL
	78.597194	26.60	-15.7	40.0	13.4	QP	100.0	35.00	VERTICAL
	129.138277	20.60	-14.0	43.5	22.9	QP	100.0	251.00	VERTICAL
	333.246493	24.50	-10.6	46.0	21.5	QP	100.0	35.00	VERTICAL
	535.410822	24.90	-5.8	46.0	21.1	QP	100.0	184.00	VERTICAL
	915.076152	40.10	2.5	46.0	5.9	QP	300.0	0.00	VERTICAL

Operation Mode: RX mode      Temperature: 20oC    Humidity: 70 % RH      Polarity: Ver.

EUT: 7-Day Hunt Wireless Weather Forecaster  
 Manufacturer: Ansen  
 Operating Condition: On  
 Test Site: 3M CHAMBER  
 Operator: Cary  
 Test Specification: AC 120V/60Hz  
 Comment: M/N:960072C  
 Start of Test: 12/12/2009 / 11:43:45AM

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

Short Description:		Field Strength		
Start Frequency	Stop Frequency	Detector	Meas.	IF
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz
				Transducer HL562 09



***MEASUREMENT RESULT: "HTW1212408\_red"***

12/12/2009 11:45AM

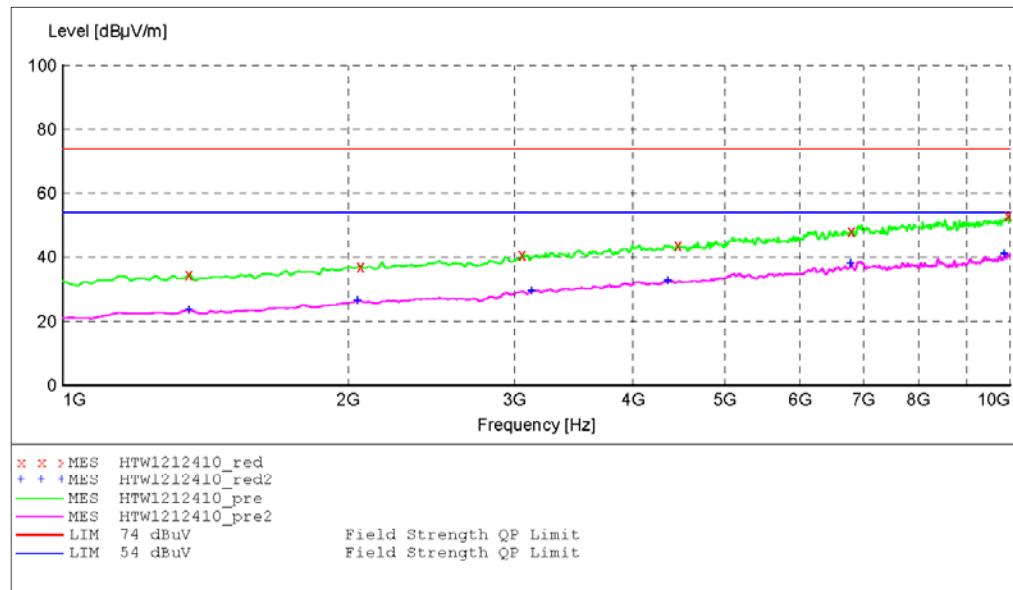
Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Det. QP	Height cm	Azimuth deg	Polarization
30.000000	23.00	-4.7	40.0	17.0	QP	100.0	298.00	HORIZONTAL
76.653307	17.00	-16.0	40.0	23.0	QP	300.0	162.00	HORIZONTAL
133.026052	18.40	-14.5	43.5	25.1	QP	300.0	54.00	HORIZONTAL
296.312625	18.50	-10.9	46.0	27.5	QP	100.0	197.00	HORIZONTAL
550.961924	24.00	-5.9	46.0	22.0	QP	100.0	184.00	HORIZONTAL
915.290581	41.40	2.7	46.0	4.6	QP	100.0	285.00	HORIZONTAL

Operation Mode: RX mode      Temperature: 20oC    Humidity: 70 % RH      Polarity: Ver.

EUT: 7-Day Hunt Wireless Weather Forecaster  
 Manufacturer: Ansen  
 Operating Condition: On  
 Test Site: 3M CHAMBER  
 Operator: Cary  
 Test Specification: AC 120V/60Hz  
 Comment: M/N:9600072C  
 Start of Test: 12/12/2009 / 11:51:24AM

***SWEET TABLE: "test (1G-18G) P"***

Short Description: EN 55022 Field Strength  
 Start Stop Detector Meas. IF Transducer  
 Frequency Frequency Time Bandw.  
 1.0 GHz 18.0 GHz MaxPeak Coupled 1 MHz HF906

***MEASUREMENT RESULT: "HTW1212410\_red"***

12/12/2009 11:52AM	Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
	MHz	dB $\mu$ V/m	dB	dB $\mu$ V/m	dB		cm	deg	
	1360.721443	34.70	-7.9	74.0	39.3	Peak	100.0	157.00	HORIZONTAL
	2064.128257	37.20	-4.5	74.0	36.8	Peak	100.0	194.00	HORIZONTAL
	3056.112224	40.80	-1.5	74.0	33.2	Peak	100.0	342.00	HORIZONTAL
	4462.925852	43.80	2.3	74.0	30.2	Peak	100.0	231.00	HORIZONTAL
	6807.615230	48.30	8.2	74.0	25.7	Peak	100.0	107.00	HORIZONTAL
	9963.927856	53.10	13.1	74.0	20.9	Peak	100.0	268.00	HORIZONTAL

***MEASUREMENT RESULT: "HTW1212410\_red2"***

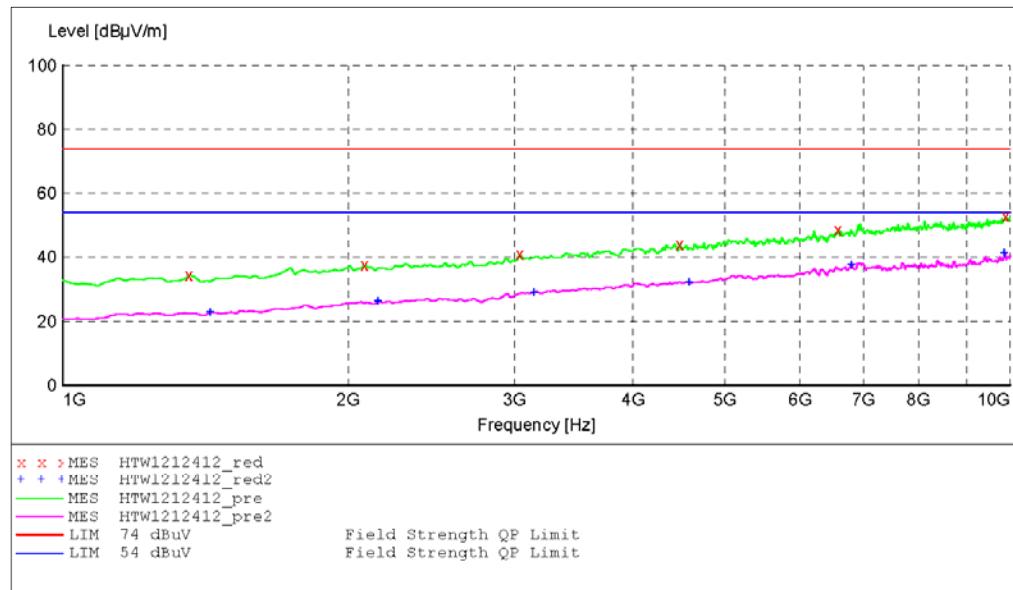
12/12/2009 11:52AM	Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
	MHz	dB $\mu$ V/m	dB	dB $\mu$ V/m	dB		cm	deg	
	1360.721443	23.60	-7.9	54.0	30.4	AV	100.0	217.00	HORIZONTAL
	2046.092184	26.50	-4.6	54.0	27.5	AV	100.0	328.00	HORIZONTAL
	3128.256513	29.50	-1.2	54.0	24.5	AV	100.0	354.00	HORIZONTAL
	4354.709419	32.60	2.2	54.0	21.4	AV	100.0	194.00	HORIZONTAL
	6789.579158	38.00	8.1	54.0	16.0	AV	100.0	204.00	HORIZONTAL
	9873.747495	41.10	13.0	54.0	12.9	AV	100.0	295.00	HORIZONTAL

Operation Mode: RX mode      Temperature: 20oC    Humidity: 70 % RH      Polarity: Hor.

EUT: 7-Day Hunt Wireless Weather Forecaster  
 Manufacturer: Ansen  
 Operating Condition: On  
 Test Site: 3M CHAMBER  
 Operator: Cary  
 Test Specification: AC 120V/60Hz  
 Comment: M/N:9600072C  
 Start of Test: 12/12/2009 / 12:46:57PM

***SWEEP TABLE: "test (1G-18G) P"***

Short Description: EN 55022 Field Strength  
 Start Stop Detector Meas. IF Transducer  
 Frequency Frequency Time Bandw.  
 1.0 GHz 18.0 GHz MaxPeak Coupled 1 MHz HF906



***MEASUREMENT RESULT: "HTW1212412\_red"***

12/12/2009 12:48PM	Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
	MHz	dB $\mu$ V/m	dB	dB $\mu$ V/m	dB		cm	deg	
	1360.721443	34.40	-7.9	74.0	39.6	Peak	100.0	291.00	VERTICAL
	2082.164329	37.50	-4.5	74.0	36.5	Peak	100.0	277.00	VERTICAL
	3038.076152	41.00	-1.6	74.0	33.0	Peak	100.0	180.00	VERTICAL
	4480.961924	44.10	2.3	74.0	29.9	Peak	100.0	70.00	VERTICAL
	6591.182365	48.80	7.5	74.0	25.2	Peak	100.0	93.00	VERTICAL
	9891.783567	52.80	13.1	74.0	21.2	Peak	100.0	0.00	VERTICAL

***MEASUREMENT RESULT: "HTW1212412\_red2"***

12/12/2009 12:48PM	Frequency	Level	Transd	Limit	Margin	Det.	Height	Azimuth	Polarization
	MHz	dB $\mu$ V/m	dB	dB $\mu$ V/m	dB		cm	deg	
	1432.865731	22.80	-7.8	54.0	31.2	AV	100.0	19.00	VERTICAL
	2154.308617	26.30	-4.4	54.0	27.7	AV	100.0	304.00	VERTICAL
	3146.292585	29.10	-1.2	54.0	24.9	AV	100.0	304.00	VERTICAL
	4589.178357	32.20	2.4	54.0	21.8	AV	100.0	19.00	VERTICAL
	6807.615230	37.50	8.2	54.0	16.5	AV	100.0	358.00	VERTICAL
	9873.747495	41.30	13.0	54.0	12.7	AV	100.0	231.00	VERTICAL