

FCC TEST REPORT

REPORT NO.: ZEZ-13SE0011VNCY-A3

MODEL NO.: BH-B102R

FCC ID.: 2AAXDZHJBBH102VTXR

RECEIVED: Sep. 02, 2013

ISSUED: Sep. 16, 2013

APPLICANT: Jiangsu Bluebell video InfoTech Inc.

ADDRESS: Room 501-29, Building 1, No.36, Nanwei

Road four, Dingmao street, Zhenjiang New

ISSUED BY: BUREAU VERITAS ADT (Shanghai) Corporation

LAB LOCATION: 2F, Building C, No.1618, Yishan rd., 201103,

Shanghai, China

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1 CERTIFICATION

PRODUCT: Remote control

MODEL NO.: BH-B102R

APPLICANT: Jiangsu Bluebell video InfoTech Inc.

TESTED: Sep. 02 ~Sep 16, 2013

TEST ITEM: Engineering Sample

STANDARDS: FCC Part 15:2012,

Subpart C (Section 15.249),

ANSI C63.4-2003

We, BUREAU VERITAS ADT (Shanghai) Corporation, declare that the equipment above has been tested in our facility and found compliance with the requirement limits of applicable standards. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate under the standards herein specified.

PREPARED BY: , **DATE**: Sep. 16, 2013

Kevin Jiang Testing Engineer

TECHNICAL Joy shu

ACCEPTANCE : _______, DATE: ______Sep. 16, 2013

Joy Zhu Lab Manager

APPROVED BY: , **DATE**: Sep. 16, 2013

Zhaoqian YU Director of Operations



2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart C				
Standard Paragraph	Test Type	Result	Remarks	
15.207	Conducted Emission Test	N/A	Please refer to 4.1.2.	
15.249(a)	Field Strength	PASS	Meet the requirement of limit	
15.205	Restricted Band of Operation	PASS	Meet the requirement of limit	
15.247(d)	Radiated Emissions Limit: Table 15.209	PASS	Meet the requirement of limit. Minimum passing margin is -18.50dB at 932.10MHz.	
15.249(d)	Out of Band Emission	PASS	Meet the requirement of limit	

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4:

Measurement		Value
Conducted emissions		2.55 dB
Conducted emissions at telecom port		2.60 dB
Radiated emissions	30 MHz ~ 1GHz	3.22 dB
	Above 1GHz	2.89 dB



3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Remote control
MODEL NO.	BH-B102R
POWER SUPPLY	DC 3V
MODULATION TYPE	FSK
CARRIER FREQUENCY OF EACH CHANNEL	2410.00 MHz, 2420.00 MHz, 2430.00 MHz, 2440.00 MHz, 2450.00 MHz, 2460.00 MHz, 2470.00 MHz
NUMBER OF CHANNEL	7
ANTENNA TYPE	Soldered on PCB
DATA CABLE SUPPLIED	N/A
I/O PORTS	N/A

NOTE: The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 DESCRIPTION OF TEST MODES

Test Mode	Description
1	Make sure EUT work in the operation mode.

One channel is provided to this EUT:

Channel	Frequency	
1	2410.00 MHz	
4	2440.00MHz	
7	2470.00MHz	



TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL:

EUT configure	Applic	able to	Description	
mode	RE	Out of Band Emission		
1	√	√	Continuously transmitting	

Where RE: Radiated Emission

- Radiated Emission Test:
 Pre-Scan has been c Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, and X.Y.Z. axis.
- \boxtimes Following channel(s) was (were) selected for the final test as listed below.

Tested Channel	Modulation Type	Axis
1	FSK	Υ
4	FSK	Υ
7	FSK	Υ



3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

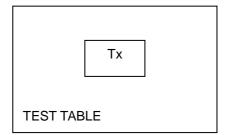
The EUT is a remote switching. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C. (15.249) ANSI C63.4- 2003

All test items have been performed and recorded as per the above standards.

3.4 DESCRIPTION OF SUPPORT UNITS

For Transmitter





4 EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY (MHz)	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

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

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

4.1.2 TEST RESULTS

Because the EUT is powered by battery, so the report doesn't require for conduct emission test.



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

TEST STANDARD:

FCC Part 15: 2010, Subpart C (Section: 15.205) FCC Part 15: 2010, Subpart C (Section: 15.209) FCC Part 15: 2010, Subpart C (Section: 15.249(a))

According to 15.249 the field strength of emissions from intentional radiators operated under these frequencies bands shall not exceed the following:

Fundamental	Field Strength of Fundamental	Field Strength of Harmonics	
Frequency (MHz)	(millivolts/meter)	(microvolts/meter)	
902-928	50	500	
2400-2483.5	50	500	
5725-5875	50	500	
24000-242500	250	2500	

NOTE:

⁽¹⁾ The above field strength limits are specified at a distance of 3meters. The tighter limits apply at the band edges.



Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequencies (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

FREQUENCY RANGE OF RADIATED MEASUREMENT

(For intentional radiators)

If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

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4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESCS30	E1R1001	May. 10, 2014
BILOG Antenna SCHWARZBECK	VULB9168	E1A1001	Apr. 27, 2014
Preamplifier Agilent	8447D	E1A2001	Nov. 22, 2013
Preamplifier Agilent	8449B	E1A2002	Apr. 15, 2014
Double Ridged Broadband Horn Antenna Schwarzbeck	BBHA 9120D	E1A1002	Sep. 08, 2014
*Spectrum Analyzer Agilent	E4403B	E1S1001	Aug. 14, 2014
*Spectrum Analyzer ROHDE & SCHWARZ	FSP	E1S1002	Aug. 15, 2014
RF signal cable Woken	RG-402	E1CBH16	May. 30, 2014
RF signal cable Woken	RG-402	E1CBH20	May. 30, 2014
RF signal cable Woken	RG-412	E1CBL02	May. 30, 2014
RF signal cable Woken	RG-412	E1CBL03	May. 30, 2014
RF signal cable Woken	RG-412	E1CBL04	May. 30, 2014
Software ADT	ADT_Radiated_V7.5	N/A	N/A

NOTE: 1. The calibration interval of the above test instruments is 12 months.

- 2. "*" = These equipment are used for the final measurement.
- 3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
- 4. The Spectrum Analyzer (model: FSP) and RF signal cable (SERIAL: E1CBH05&E1CBH07) are used only for the measurement of emission frequency above 1GHz if tested.



4.2.3 TEST PROCEDURE

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

NOTE:

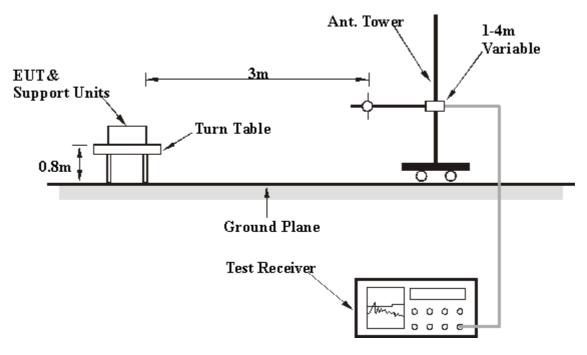
- 1. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation.



4.2.5 TEST SETUP



For the actual test configuration, please refer to the related Item – Photographs of the Test Configuration.

4.2.6 EUT OPERATING CONDITIONS

Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.

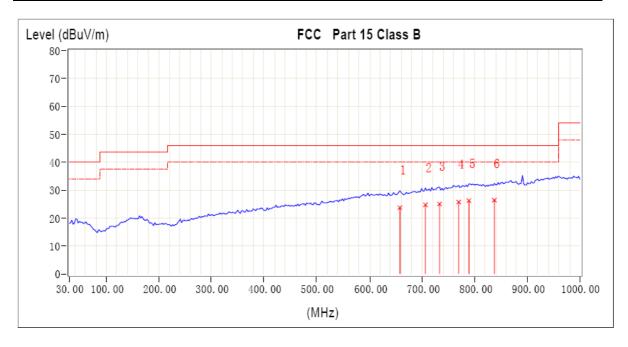


4.2.7 TEST RESULTS

Below 1GHz Worst-Case Data

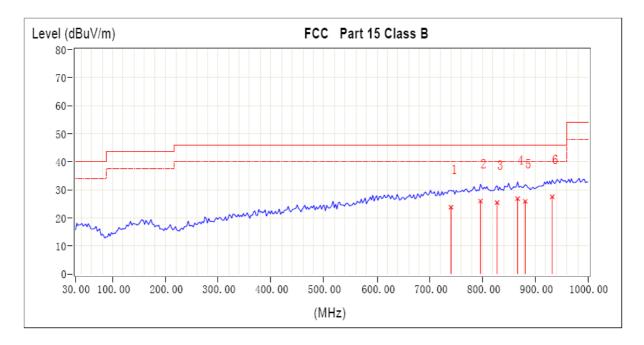
EUT	Remote control	MODEL NO.	BH-B102R	
CHANNEL	Channel 1	FREQUENCY RANGE	30 ~ 1000 MHz	
MODULATION TYPE	FSK	INPUT POWER (SYSTEM)	DC 3V	
ENVIRONMENTAL CONDITIONS	25.2deg. C, 48.6 RH, 101kPa	DETECTOR FUNCTION	Quasi-Peak	
TESTED BY	Bing YE			

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M									
No	Freq.	Factor	Reading	Emission	Limit	Margin	Ant. Height	Table Angle		
No.	(MHz)	(dB/M)	(dBuV/M)	(dBuV/M)	(dBuV/M)	(dB)	(cm)	(Deg.)		
1	658.08	23.29	0.41	23.70	46.00	-22.30	200	144		
2	706.58	24.26	0.48	24.74	46.00	-21.26	200	108		
3	733.25	24.88	0.16	25.04	46.00	-20.96	200	177		
4	769.62	25.54	0.17	25.71	46.00	-20.29	200	98		
5	789.02	25.93	0.27	26.20	46.00	-19.80	200	325		
6	837.52	26.44	-0.06	26.38	46.00	-19.62	200	123		





	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M									
No.	Freq.	Factor	Reading	Emission	Limit	Margin	Ant. Height	Table Angle		
INO.	(MHz)	(dB/M)	(dBuV/M)	(dBuV/M)	(dBuV/M)	(dB)	(cm)	(Deg.)		
1	740.52	24.95	-1.17	23.78	46.00	-22.22	100	98		
2	796.30	26.06	-0.08	25.98	46.00	-20.02	100	117		
3	827.83	26.51	-1.09	25.42	46.00	-20.58	100	214		
4	866.62	26.57	0.26	26.83	46.00	-19.17	100	324		
5	881.17	26.58	-0.73	25.85	46.00	-20.15	200	143		
6	932.10	27.66	-0.16	27.50	46.00	-18.50	100	214		



NOTE: 1. Emission level (dBuV/m) =Raw Value (dBuV) + Correction Factor (dB)

- 2. Correction Factor (dB) = Antenna Factor (dB) + Cable Factor (dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Emission level Limit value.
- 5. "*" = Fundamental frequency



Above 1GHz Worst-Case Data

EUT	Remote control	MODEL NO.	BH-B102R
CHANNEL	Channel 1	FREQUENCY RANGE	Above 1GHz
MODULATION TYPE	FSK	INPUT POWER (SYSTEM)	DC 3V
ENVIRONMENTAL CONDITIONS	25.2deg. C, 48.6 RH, 101kPa	DETECTOR FUNCTION	Peak
TESTED BY	Bing YE		

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
No.	Freq.	Factor	Reading	Emission	Limit	Margin	Ant. Height	Table Angle			
INO.	(MHz)	(dB/M)	(dBuV/M)	(dBuV/M)	(dBuV/M)	(dB)	(cm)	(Deg.)			
1	2410.00 PK	33.05	45.02	78.07	114.00	-35.93	100	0			
2	2410.00 AV			35.97	94.00	-58.03					
3	4820.00 PK	37.74	10.24	47.98	74.00	-26.02	100	0			
4	4820.00 AV			5.88	54.00	-48.12					
5	7230.00 PK	44.00	10.56	54.56	74.00	-19.44	100	0			
6	7230.00 AV			12.46	54.00	-41.54					

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
No.	Freq.	Factor	Reading	Emission	Limit	Margin	Ant. Height	Table Angle			
INO.	(MHz)	(dB/M)	(dBuV/M)	(dBuV/M)	(dBuV/M)	(dB)	(cm)	(Deg.)			
1	2410.00 PK	33.05	45.04	78.09	114.00	-35.91	300	0			
2	2410.00 AV			35.99	94.00	-58.01					
3	4820.00 PK	37.75	10.23	47.98	74.00	-26.02	300	0			
4	4820.00 AV	-		5.88	54.00	-48.12	-				
5	7230.00 PK	44.00	10.34	54.34	74.00	-19.66	300	0			
6	7230.00 AV			12.24	54.00	-41.76					

REMARKS:

- 1. Emission level (dBuV/m) =Raw Value (dBuV) + Correction Factor (dB/m)
- 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)

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- 3. The other emission levels were very low against the limit.
- 4. Margin value = Emission level Limit value.
- 5.The average value of fundamental frequency and spurious emission is: Average = Peak value + 20log(Duty cycle)

Where the duty factor is calculated from following formula: 20log(Duty cycle)=20log(0.390ms*2/100ms)=-42.1dB Average=PK value+20log(Duty cycle)= PK value-42.1dB please see page 19 for plotted duty



EUT	Remote control	MODEL NO.	BH-B102R
CHANNEL	HANNEL Channel 4 FREG		Above 1GHz
MODULATION TYPE	FSK	INPUT POWER (SYSTEM)	DC 3V
ENVIRONMENTAL CONDITIONS	25.2deg. C, 48.6 RH, 101kPa	DETECTOR FUNCTION	Peak
TESTED BY	Bing YE		

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M									
No.	Freq.	Factor	Reading	Emission	Limit	Margin	Ant. Height	Table Angle		
INO.	(MHz)	(dB/M)	(dBuV/M)	(dBuV/M)	(dBuV/M)	(dB)	(cm)	(Deg.)		
1	2440.00 PK	33.05	47.95	81.00	114.00	-33.00	99	0		
2	2440.00 AV			38.9	94.00	-55.1				
3	4880.00 PK	37.85	10.26	48.12	74.00	-25.88	99	0		
4	4880.00 AV			6.02	54.00	-47.98				
5	7320.00 PK	44.07	9.73	53.80	74.00	-20.20	99	0		
6	7320.00 AV			11.7	54.00	-42.3				

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M									
No	Freq.	Factor	Reading	Emission	Limit	Margin	Ant. Height	Table Angle		
No.	(MHz)	(dB/M)	(dBuV/M)	(dBuV/M)	(dBuV/M)	(dB)	(cm)	(Deg.)		
1	2440.00 PK	33.05	45.74	78.79	114.00	-35.21	99	0		
2	2440.00 AV			36.69	94.00	-57.31				
3	4880.00 PK	37.85	10.77	48.62	74.00	-25.38	99	0		
4	4880.00 AV			6.52	54.00	-47.48				
5	7320.00 PK	44.07	10.35	54.41	74.00	-19.59	99	0		
6	7320.00 AV			12.31	54.00	-41.69				

REMARKS:

- 1. Emission level (dBuV/m) =Raw Value (dBuV) + Correction Factor (dB/m)
- 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Emission level Limit value.
- 5.The average value of fundamental frequency and spurious emission is: Average = Peak value + 20log(Duty cycle)

Where the duty factor is calculated from following formula:

20log(Duty cycle)=20log(0.390ms*2/100ms)=-42.1dB

Average=PK value+20log(Duty cycle)= PK value-42.1dB

please see page 19 for plotted duty



EUT	Remote control	MODEL NO.	BH-B102R
CHANNEL	HANNEL Channel 7 FREQUENCY RANGE		Above 1GHz
MODULATION TYPE	FSK	INPUT POWER (SYSTEM)	DC 3V
ENVIRONMENTAL CONDITIONS	25.2deg. C, 48.6 RH, 101kPa	DETECTOR FUNCTION	Peak
TESTED BY	Bing YE		

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M									
No.	Freq.	Factor	Reading	Emission	Limit	Margin	Ant. Height	Table Angle		
INO.	(MHz)	(dB/M)	(dBuV/M)	(dBuV/M)	(dBuV/M)	(dB)	(cm)	(Deg.)		
1	2470.00 PK	33.05	44.72	77.77	114.00	-36.23	299	0		
2	2470.00 AV			35.67	94.00	-58.33				
3	4940.00 PK	37.96	10.43	48.40	74.00	-25.60	299	0		
4	4940.00 AV			6.3	54.00	-47.7				
5	7410.00 PK	44.12	10.03	54.15	74.00	-19.85	299	0		
6	7410.00 AV			12.05	54.00	-41.95				

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M									
No.	Freq.	Factor	Reading	Emission	Limit	Margin	Ant. Height	Table Angle		
INO.	(MHz)	(dB/M)	(dBuV/M)	(dBuV/M)	(dBuV/M)	(dB)	(cm)	(Deg.)		
1	2470.00 PK	33.05	43.45	76.50	114.00	-37.50	99	0		
2	2470.00 AV			34.4	94.00	-59.6				
3	4940.00 PK	37.96	9.98	47.94	74.00	-26.06	99	0		
4	4940.00 AV			5.84	54.00	-48.16				
5	7410.00 PK	44.12	9.54	53.65	74.00	-20.35	99	0		
6	7410.00 AV			11.55	54.00	-42.45				

REMARKS:

- 1. Emission level (dBuV/m) =Raw Value (dBuV) + Correction Factor (dB/m)
- 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Emission level Limit value.
- 5.The average value of fundamental frequency and spurious emission is: Average = Peak value + 20log(Duty cycle)

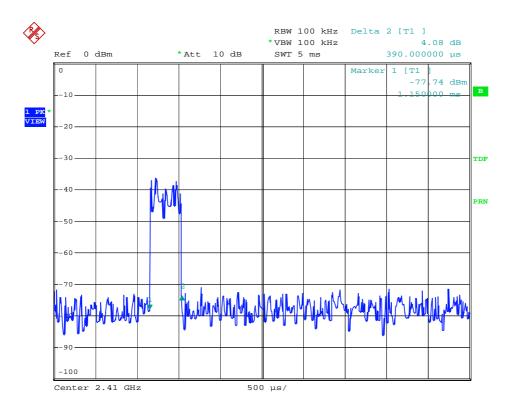
Where the duty factor is calculated from following formula: 20log(Duty cycle)=20log(0.390ms*2/100ms)=-42.1dB

Average=PK value+20log(Duty cycle)= PK value-42.1dB

please see page 19 for plotted duty

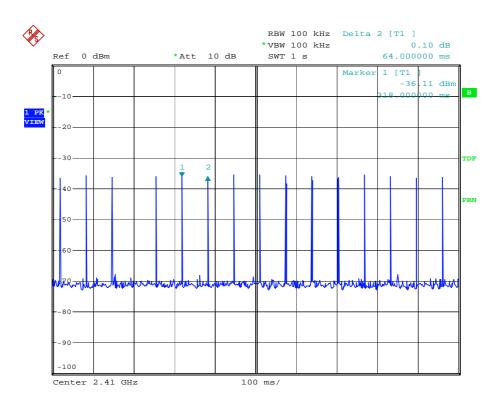


0.5ms



Date: 1.JAN.2000 00:34:10

100s



Date: 1.JAN.2000 00:25:54



4.3 OUT OF BAND EMISSIONS

4.3.1 LIMITS OF OUT OF BAND EMISSIONS

TEST STANDARD:

FCC Part 15: 2010, Subpart C (Section: 15.249(d))

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

Frequencies (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

4.3.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
SIGNAL ANALYZER Rohde & Schwarz	FSP	E1S1002	Aug. 15, 2014
Preamplifier Agilent	8449B	E1A2002	Apr. 15, 2014
Double Ridged Broadband Horn Antenna Schwarzbeck	BBHA 9120D	E1A1002	Sep. 08, 2014
RF signal cable Woken	RG-402	E1CBH01	May. 30, 2014

NOTE: The calibration interval of the above test instruments is 12 months.



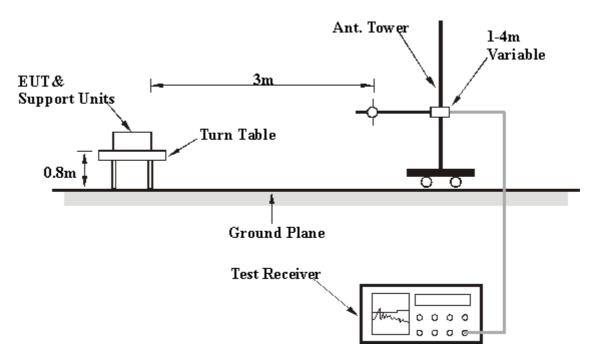
4.3.3 TEST PROCEDURES

- 1. The EUT was placed on the turning table.
- 2. The signal was coupled to the spectrum analyzer through an antenna.
- 3. Set the resolution bandwidth to 100 kHz and video bandwidth to 300 kHz then select Peak function to scan the channel frequency.
- 4. Out of band emissions was measured and recorded.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation.

4.3.5 TEST SETUP



For the actual test configuration, please refer to the related Item – Photographs of the Test Configuration.

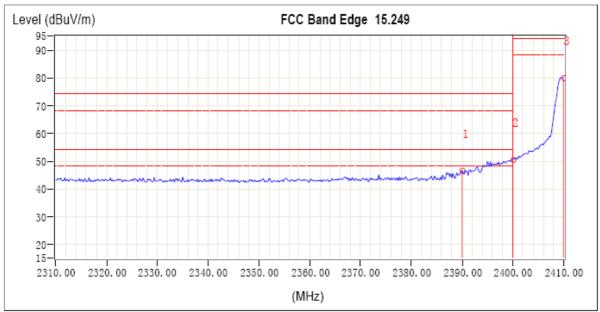


4.3.6 TEST RESULTS

EUT	Remote control	MODEL NO.	BH-B102R
INPUT POWER (SYSTEM)	IDC: 3\/	ENVIRONMENTAL CONDITIONS	25.2deg. C, 48.6 RH, 101kPa
TESTED BY	Kevin JIANG		

For Channel 1

Horizontal



This data is for evaluation purposes only. It cannot be used for EMC approvals unless it contains the approved signature.

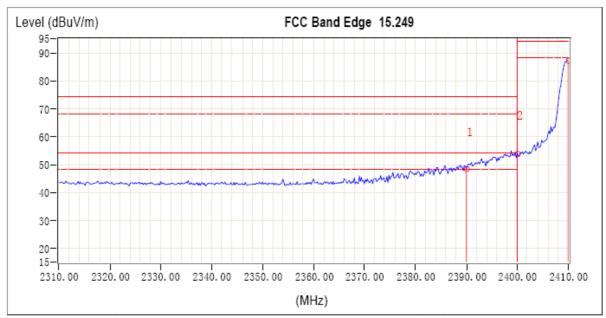
If you have any questions regarding the test data, you can write your comments to service@mail.adt.com.tw v7. 5. 14

_													
N	lo.	Freq.	C.F.	Rea	Reading		ssion	Limit		Margin		Ant./Table	
		MHz	dB	PK	ΑV	PK	AV	PK	AV	PK	AV	cm	deg
П	1	2390.00	33.06	13.47		46.53		74.00	54.00	-27.47		99	181
*	2	2400.00	33.05	17.39		50.43		74.00	54.00	-23.57		99	181
	3	2410.00	33.05	46.87		79.92		114.00	94.00	-34.08		99	181

22



Vertical



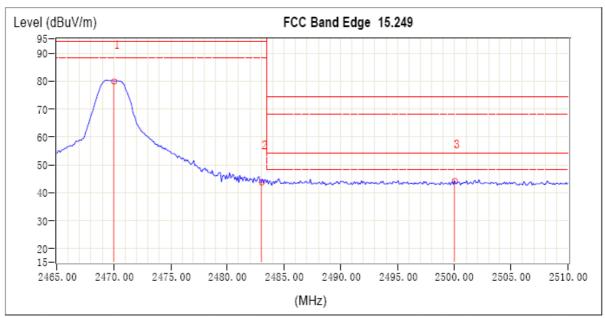
This data is for evaluation purposes only. It cannot be used for EMC approvals unless it contains the approved signature.

If you have any questions regarding the test data, you can write your comments to service@mail.adt.com.tw v7. 5. 14

N	lo.	1				Emission		Limit		Margin		Ant./Table	
		MHZ	Ф	PΚ	ΑV	PK	AV	PK	AV	PK	AV	cm	deg
	1	2390.00	33.06	15.30		48.37		74.00	54.00	-25. 63		99	181
*	2	2400.00	33.05	20.78		53.83		74.00	54.00	-20. 17		99	181
	3	2410.00	33.05	54.13		87.18		114.00	94.00	-26. 82		99	181



For Channel 7 Horizontal

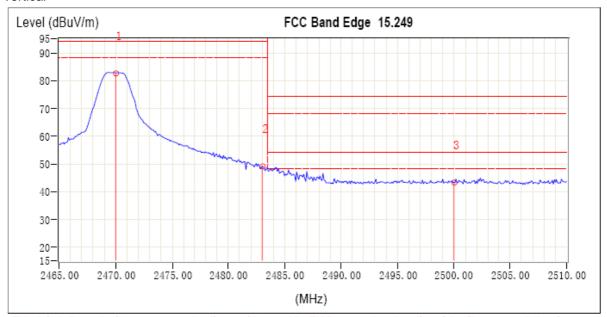


This data is for evaluation purposes only. It cannot be used for EMC approvals unless it contains the approved signature. If you have any questions regarding the test data, you can write your comments to service@mail.adt.com.tw v7.5.14

		,			-	.,							
١	lo.	Freq.	C.F.	Reading		Emission		Limit		Margin		Ant./Table	
		MHz	dB	PK	ΑV	PK	AV	PK	AV	PK	AV	cm	deg
	1	2470.00	33.05	46.75		79.80		114.00	94.00	-34. 20		99	0
	2	2483.00	33.05	10.57		43.62		114.00	94.00	-70.38		99	0
*	3	2500.00	33.05	11.09		44.14		74.00	54.00	-29.86		99	0
_													



Vertical



This data is for evaluation purposes only. It cannot be used for EMC approvals unless it contains the approved signature. If you have any questions regarding the test data, you can write your comments to service@mail.adt.com.tw $v_{7.5.14}$

T ₁	No.					Emis	sion	Limit		Margin		Ant./Table	
		1911 14.	WD.	. 15	/37	PK	AV	PK	AV	PK	AV	cm	deg
Г	1	2470.00	33.05	49.57		82.62		114.00	94.00	-31.38		99	0
	2	2483.00	33.05	16.00		49.05		114.00	94.00	-64.95		99	0
*	3	2500.00	33.05	10.16		43.22		74.00	54.00	-30. 78		99	0



5 APPENDIX - INFORMATION ON THE TESTING LABORATORIES

We, BUREAU VERITAS ADT (Shanghai) Corporation, were founded in 2004 to provide our best service in EMC, Radio and Vehicle consultation. Our laboratories are accredited by the following accreditation bodies according to ISO/IEC 17025 (2005).

USA A2LA

Certificate No.: 2343.01

China CNAS

Certificate No.: L2810

Copies of accreditation certificates could be inquired from our office. If you have any comments, please feel free to contact us at the following:

EMC / RF / Vehicle Lab:

Tel: +86 21 6465 9091 Fax:+86 21 6465 9092

Email: <u>bvadtshmail@cn.bureauveritas.com</u>

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