

FCC RADIO TEST REPORT FCC ID: V6KH-6

Product: 2.4GHz Radio Control System

Trade Name: HISKY,XIYI

Model Name: H-6

Serial Model: N/A

Report No.: NTEK-2013NT0829913F

Prepared for

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Applicant's name: Guangzhou Chiyuan Electronic Co., Ltd

Manufacture's Name.....: Guangzhou Chiyuan Electronic Co., Ltd



Product description

TEST RESULT CERTIFICATION

Zhicun, Dashi Street, Panyu Dis., Guangzhou, China

Zhicun, Dashi Street, Panyu Dis., Guangzhou, China

Address 2/F No.1 Bulding,Boyi Industrial Park, 4th Gongye Rd,

Address 2/F No.1 Bulding,Boyi Industrial Park, 4th Gongye Rd,

Report No.: NTEK-2013NT0829913F

Product name:	2.4 GHz F	Radio Control System		
Model and/or type reference :	H-6			
Serial Model:	N/A			
Standards:	FCC Part	15.249		
Test procedure	ANSI C63	3.4-2003		
	n complian	sted by NTEK, and the test results show that the ace with the FCC requirements. And it is applicable only t.		
This report shall not be reproduc	ced except	t in full, without the written approval of NTEK, this		
document may be altered or rev	rised by N∃	ΓΕΚ, personal only, and shall be noted in the revision of		
the document.				
Date of Test	:			
Date (s) of performance of tests	:	29 Aug. 2013 ~09Sep. 2013		
Date of Issue		09 Sep. 2013		
Test Result	······································	Pass		
Testing Engine	eer :	Apple Huong		
	•	(Apple Huang)		
		Ω		
Technical Man	ager :	Brown lu		
	•	(Brown Lu)		
Authorized Sig	natory:	Korey Yong		
	•	(Bovey Yang)		



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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15, Subpart C (15.249)					
Standard Section	Test Item	Judgment	Remark		
15.207	Conducted Emission	N/A			
15.203	Antenna Requirement	Pass			
15.249	Radiated Spurious Emission	Pass			
15.205	Band Edge Emission	Pass			
15.249	Occupied Bandwidth	Pass			

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report



1.1 TEST FACILITY

NTEK Testing Technology Co., Ltd

Add.: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen P.R. China.

FCC Registration No.:238937; IC Registration No.:9270A-1

CNAS Registration No.:L5516

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $\mathbf{y} \pm \mathbf{U}$, where expended uncertainty \mathbf{U} is based on a standard uncertainty multiplied by a coverage factor of $\mathbf{k=2}$, providing a level of confidence of approximately 95 % $^{\circ}$

No.	Item	Uncertainty
1	Conducted Emission Test	±1.38dB
2	RF power,conducted	±0.16dB
3	Spurious emissions,conducted	±0.21dB
4	All emissions,radiated(<1G)	±4.68dB
5	All emissions,radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%

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2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	2.4 GHz Radio Control System		
Trade Name	HISKY,XIYI		
Model Name	H-6		
Serial Model	N/A		
Model Difference	N/A		
	The EUT is a 2.4 GHz F Operation Frequency:	Radio Control System	
	Modulation Type:	GFSK	
	Antenna Designation:	Built-in Antenna	
	Antenna Gain(Peak)	2.0 dBi	
Product Description	EIRP	101.97dbuv/m@3m(Peak)	
	Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as ITE/Computing Device. More details of EUT technica specification, please refer to the User's Manual.		
Channel List	Please refer to the Note 2.		
Adapter	N/A		
Battery	1.5V*4cell "AA" alkaline battery		

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

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2.

Channel	Frequency (MHz)
01	2402
02	2403
40	2441
41	2442
75	2476
76	2477

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Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	Built-in Antenna	N/A	2.0	Antenna



2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX CH01
Mode 2	TX CH39
Mode 3	TX CH76

For Radiated Emission		
Final Test Mode	Description	
Mode 1	TX CH01	
Mode 2	TX CH39	
Mode 3	TX CH76	

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The EUT use new battery.

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2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Spurious Emission Test

E-1 EUT

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2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	2.4 GHz Radio Control System	HISKY,XIYI	H-6	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>[Length]</code> column.



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment		
Item	Kind of	Manufactur
	Carria na a nat	

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4407B	MY4510804 0	2013.07.06	2014.07.05	1 year
2	Test Receiver	R&S	ESPI	101318	2013.06.07	2014.06.06	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2013.07.06	2014.07.05	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 6	2013.06.07	2014.06.06	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2013.06.07	2014.06.06	1 year
6	Horn Antenna	EM	EM-AH-101 80	2011071402	2013.07.06	2014.07.05	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2013.07.06	2014.07.05	1 year
8	Amplifier	EM	EM-30180	060538	2013.12.22	2013.12.21	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2013.06.08	2014.06.07	1 year
10	Power Meter	R&S	NRVS	100696	2013.07.06	2014.07.05	1 year
11	Power Sensor	R&S	URV5-Z4	0395.1619. 05	2013.07.06	2014.07.05	1 year

Conduction Test equipment

Conduction rest equipment							
Item		Manufactu	Type No.	Serial No.	Last	Calibrated	Calibratio
	Equipment	rer			calibration	until	n period
1	Test Receiver	R&S	ESCI	101160	2013.06.06	2014.06.05	1 year
2	LISN	R&S	ENV216	101313	2013.08.24	2014.08.23	1 year
3	LISN	EMCO	3816/2	00042990	2013.08.24	2014.08.23	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 7	2013.06.07	2014.06.06	1 year
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	2013.06.07	2014.06.06	1 year
6	Absorbing clamp	R&S	MOS-21	100423	2013.06.08	2014.06.07	1 year



3. ANTENNA REQUIREMENT

3.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: 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.

3.2 EUT ANTENNA

The EUT	`antenna i	is integral	Antenna. I	t comply	v with the	standard	requiremen	t.



3.3 CONDUCTED EMISSION MEASUREMENT

3.3.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard
FREQUENCT (MITZ)	Quasi-peak	Average	Quasi-peak	Average	Stariuaru
0.15 -0.5			66 - 56 *	56 - 46 *	CISPR
0.50 -5.0			56.00	46.00	CISPR
5.0 -30.0			60.00	50.00	CISPR

0.15 -0.5		66 - 56 *	56 - 46 *	LP002.
0.50 -5.0		56.00	46.00	LP002.
5.0 -30.0		60.00	50.00	LP002.

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting	
Attenuation	10 dB	
Start Frequency	0.15 MHz	
Stop Frequency	30 MHz	
IF Bandwidth	9 kHz	



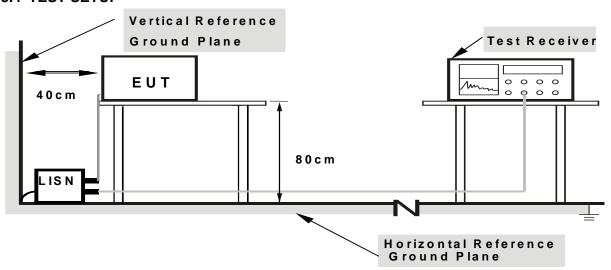
3.3.2 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.3.3 DEVIATION FROM TEST STANDARD

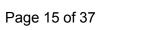
No deviation

3.3.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes





3.2.5 TEST RESULT

EUT:	2.4 GHz Radio Control System	Model Name. :	H-6
Temperature :	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	N/A
Test Mode :	N/A	Phase :	N/A

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3.4 RADIATED EMISSION MEASUREMENT

3.4.1 Radiated Emission Limits (FCC 15.209)

Frequencies (MHz)	Field Strength (micorvolts/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

Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).

LIMITS OF RADIATED EMISSION MEASUREMENT (FCC 15.249)

Frequency of Emission (MHz)	Field Strength of fundamental ((millivolts /meter)	Field Strength of Harmonics (microvolts/meter)
2400 - 2483.5	50	500

Notes:

(1) 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 Section 15.209, whichever is the lesser attenuation.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP



3.4.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

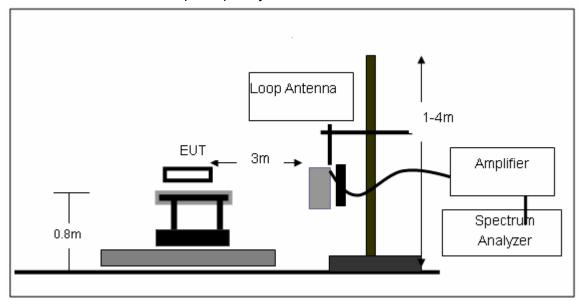
3.4.3 DEVIATION FROM TEST STANDARD

No deviation

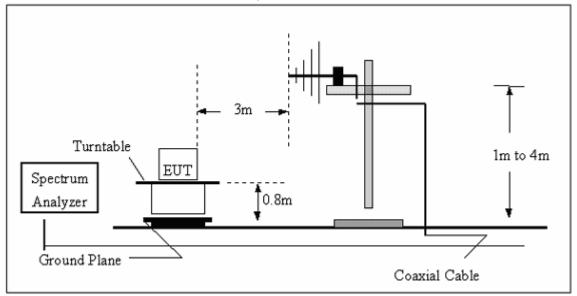


3.4.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz

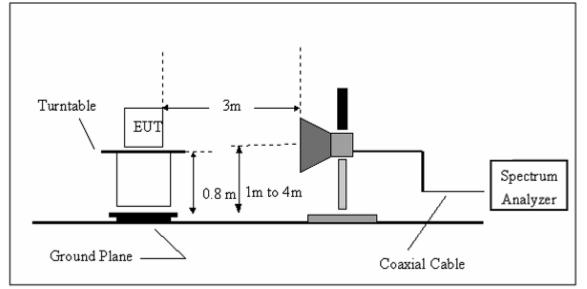


(B) Radiated Emission Test-Up Frequency 30MHz~1GHz





(C) Radiated Emission Test-Up Frequency Above 1GHz



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3.4.5 TEST RESULTS (BLOW 30MHz)

EUT:	2.4 GHz Radio Control System	Model Name. :	H-6
Temperature :	20 ℃	Relative Humidtity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 6V from battery
Test Mode :	TX	Polarization :	

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
				PASS
				PASS

NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =20 log (specific distance/test distance)(dB); Limit line = specific limits(dBuv) + distance extrapolation factor.



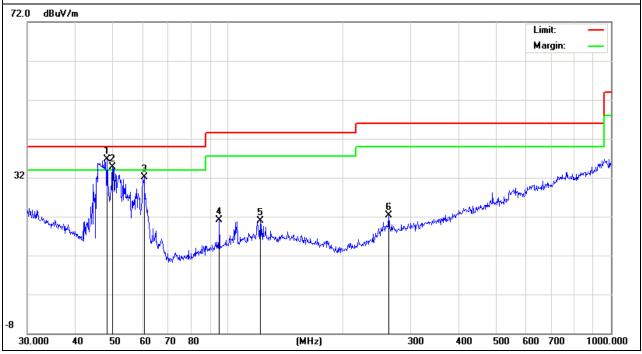
3.4.6 TEST RESULTS (BETWEEN 30 - 1000 MHZ)

EUT:	2.4 GHz Radio Control System	Model Name :	H-6
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 6V from battery
Test Mode :	TX	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
48.5016	27.70	8.93	36.63	40.00	-3.37	QP
50.0566	26.53	8.22	34.75	40.00	-5.25	QP
60.4919	26.88	5.30	32.18	40.00	-7.82	QP
95.0930	11.01	10.12	21.13	43.50	-22.37	QP
121.5485	8.76	12.13	20.89	43.50	-22.61	QP
262.8955	7.60	14.69	22.29	46.00	-23.71	QP

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.



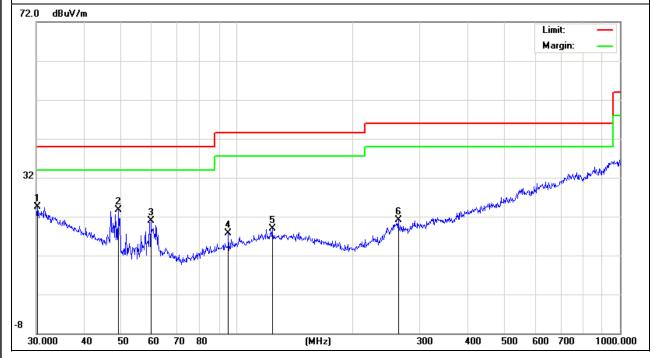


EUT:	2.4 GHz Radio Control System	Model Name :	H-6
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 6V from battery
Test Mode :	TX	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastar Tuna
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
30.2110	6.24	18.23	24.47	40.00	-15.53	QP
49.1865	15.06	8.62	23.68	40.00	-16.32	QP
59.6492	15.53	5.35	20.88	40.00	-19.12	QP
95.0930	7.56	10.12	17.68	43.50	-25.82	QP
123.6984	6.75	12.17	18.92	43.50	-24.58	QP
263.8190	6.55	14.62	21.17	46.00	-24.83	QP

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.





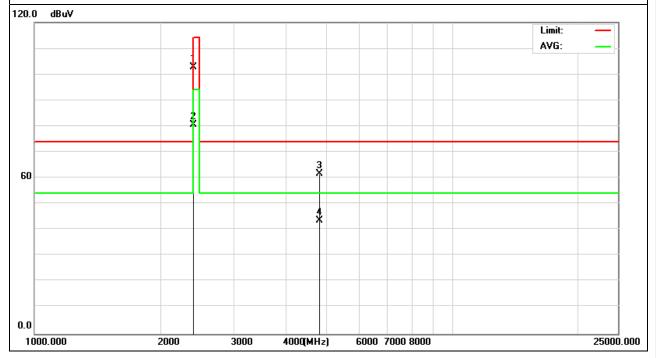
3.4.7 TEST RESULTS (ABOVE 1000 MHZ)

EUT:	2.4 GHz Radio Control System	Model Name :	H-6
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 6V from battery
Test Mode :	TX /2402MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2402.000	114.96	-12.99	101.97	114.0	-12.03	peak
2402.000	99.20	-12.99	86.21	94.00	-7.79	AVG
4804.000	69.87	-3.64	66.23	74.00	-7.77	peak
4804.000	49.41	-3.64	45.77	54.00	-8.23	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.



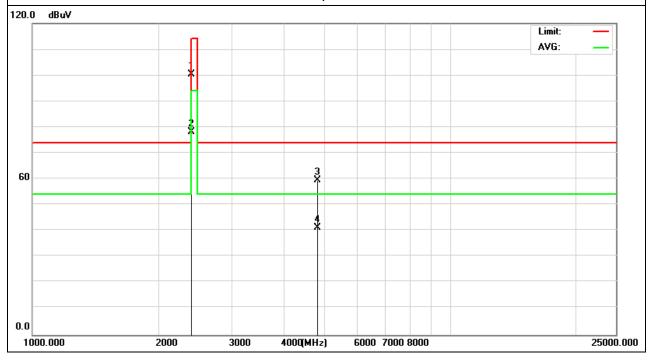


EUT:	2.4 GHz Radio Control System	Model Name :	H-6
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 6V from battery
Test Mode :	TX /2402MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2402.000	113.27	-12.99	100.28	114.0	-13.72	peak
2402.000	91.16	-12.99	78.17	94.00	-15.83	AVG
4804.000	63.28	-3.64	59.64	74.00	-14.36	peak
4804.000	45.03	-3.64	41.39	54.00	-12.61	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.



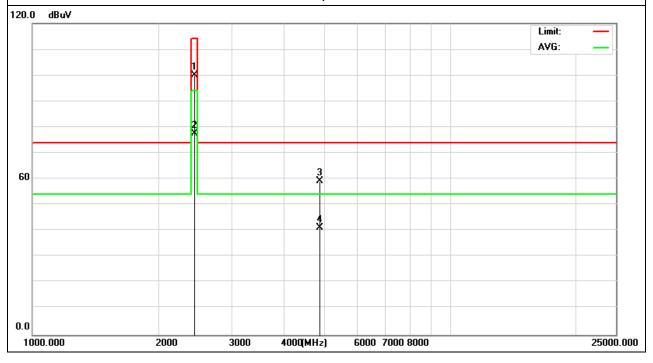


EUT:	2.4 GHz Radio Control System	Model Name :	H-6
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 6V from battery
Test Mode :	TX /2440MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2440.000	112.87	-12.94	99.93	114.0	-14.07	peak
2440.000	90.46	-12.94	77.52	94.00	-16.48	AVG
4880.000	62.87	-3.67	59.20	74.00	-14.80	peak
4880.000	44.93	-3.67	41.26	54.00	-12.74	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.





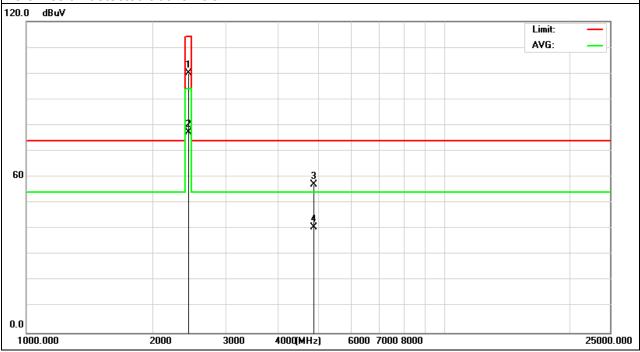
EUT: 2.4 GHz Radio Control System Model Name : H-6
Temperature: 20 °C Relative Humidity: 48%
Pressure: 1010 hPa Test Voltage: DC 6V
Test Mode: TX /2440MHz Polarization: Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2440.000	112.87	-12.94	99.93	114.0	-14.07	peak
2440.000	90.46	-12.94	77.52	94.00	-16.48	AVG
4880.000	62.87	-3.67	59.20	74.00	-14.80	peak
4880.000	44.93	-3.67	41.26	54.00	-12.74	AVG

Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

No emission detected above 18GHz.



.



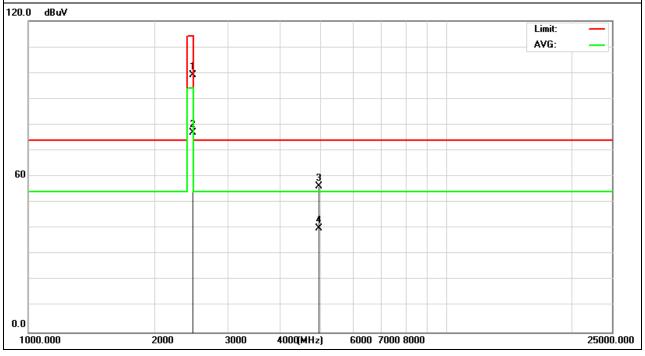
EUT:	2.4 GHz Radio Control System	Model Name :	H-6
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 6V from battery
Test Mode :	TX /2477MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2477.000	111.83	-12.81	99.02	114.0	-14.98	peak
2477.000	89.74	-12.81	76.93	94.00	-17.07	AVG
4954.000	59.83	-3.56	56.27	74.00	-17.73	peak
4954.000	43.69	-3.56	40.13	54.00	-13.87	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 18GHz.





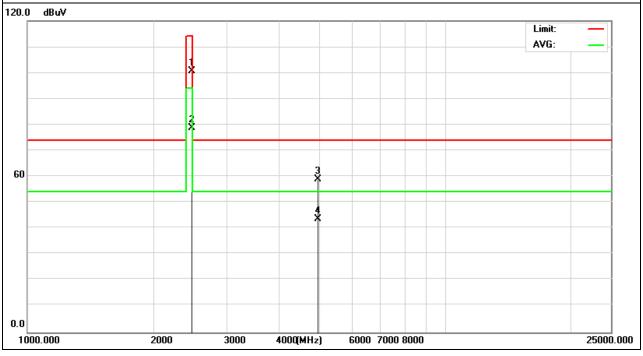
EUT:	2.4 GHz Radio Control System	Model Name :	H-6
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 6V from battery
Test Mode :	TX /2477MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2477.000	113.59	-12.81	100.78	114.0	-13.22	peak
2477.000	91.66	-12.81	78.85	94.00	-15.15	AVG
4954.000	62.49	-3.56	58.93	74.00	-15.07	peak
4954.000	47.30	-3.56	43.74	54.00	-10.26	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 18GHz.





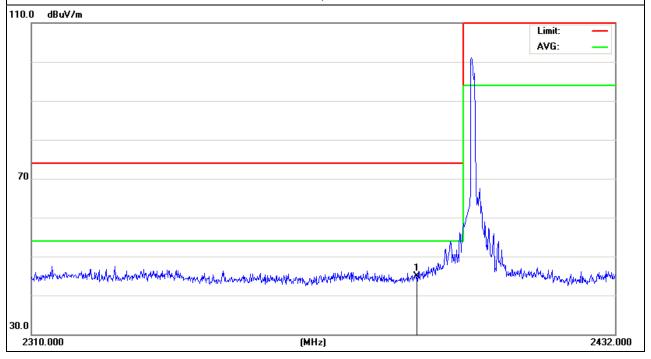
3.4.8 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)

EUT:	2.4 GHz Radio Control System	Model Name :	H-6
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 6V from battery
Test Mode :	TX /2402MHz	Polarization :	Vertical

	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotactor Type
Ī	(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
Ī	2390.000	58.05	-13.06	44.99	74	-29.01	Peak

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.





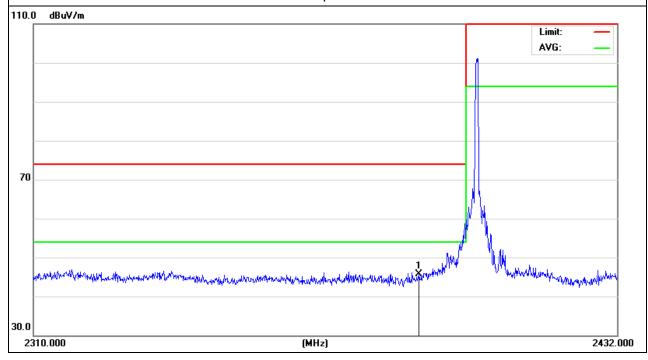
EUT:	2.4 GHz Radio Control System	Model Name :	H-6
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 6V from battery
Test Mode :	TX /2402MHz	Polarization :	Horizontal

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotoctor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2390.000	58.70	-13.06	45.64	74.00	-28.36	Peak

Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.



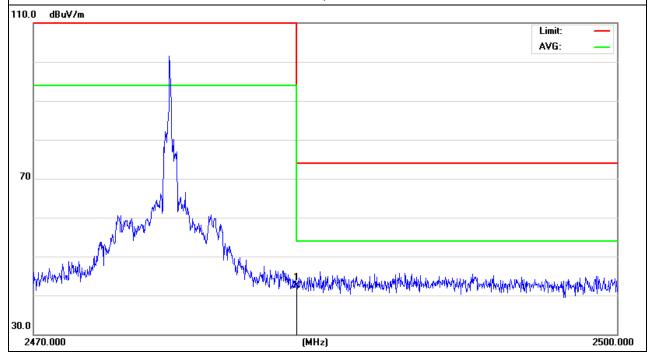


		_	
EUT:	2.4 GHz Radio Control System	Model Name :	H-6
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 6V from battery
Test Mode :	TX /2477MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.5000	55.26	-12.78	42.48	74.00	-31.52	Peak

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.



.

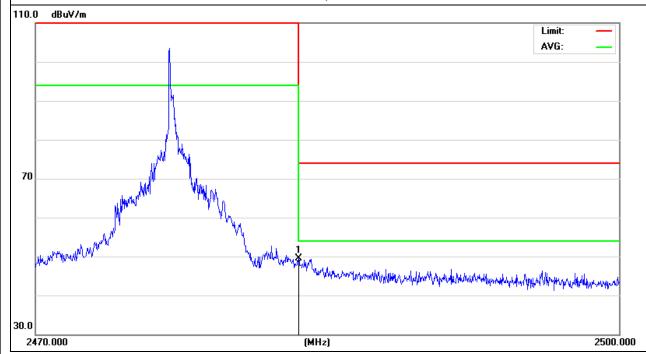


		_	
EUT:	2.4 GHz Radio Control System	Model Name :	H-6
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 6V from battery
Test Mode :	TX /2477MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.5000	62.28	-12.78	49.50	74.00	-24.50	Peak

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.





4. BANDWIDTH TEST

4.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 100KHz, VBW ≥ RBW, Sweep time = Auto.

4.2 DEVIATION FROM STANDARD

No deviation.

4.3 TEST SETUP

EUT	SPECTRUM
	ANALYZER

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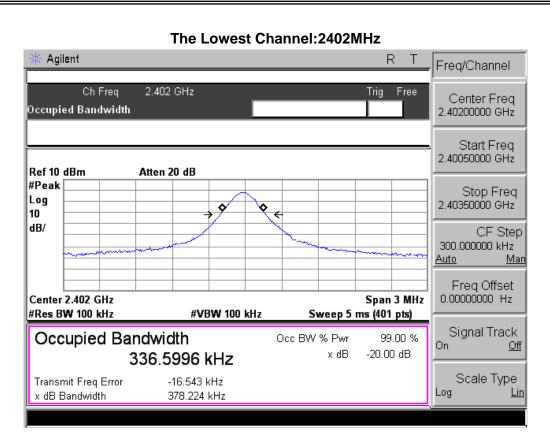
4.4 TEST RESULTS

EUT:	2.4 GHz Radio Control System	Model Name :	H-6
Temperature :	26 ℃	Relative Humidity:	53%
Pressure:	1020 hPa	Test Power :	DC 6V from battery
Test Mode :	TX CH 1/39/76		

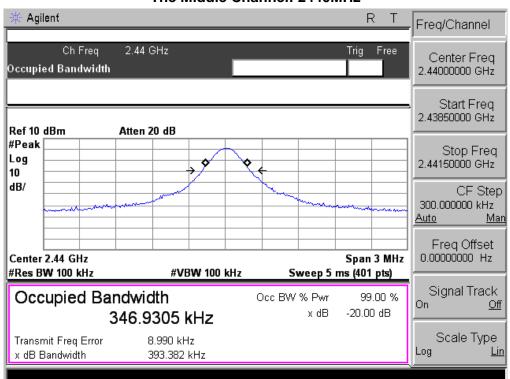
Test Channel	Frequency	20 dBc Bandwidth	99% Bandwidth
	(MHz)	(MHz)	(MHz)
CH01	2402	0.378	0.337
CH39	2440	0.393	0.347
CH76	2477	0.406	0.357

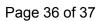
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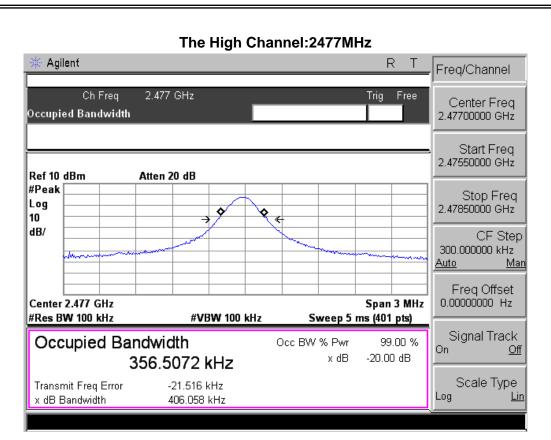


The Middle Channel: 2440MHz









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5. EUT TEST PHOTO





