



**CENTRE OF TESTING SERVICE
INTERNATIONAL**

OPERATE ACCORDING TO ISO/IEC 17025

FCC ID/IC TEST REPORT

TEST REPORT NUMBER : CGZ3140826-00964-EFI



CENTRE OF TESTING SERVICE CO., LTD.

A101, No.65, Zhuji Highway, Tianhe District, Guangzhou, Guangdong, China.



TEST REPORT For FCC ID 47 CFR PART 15 OCT, 2014 RSS-210 Issue 8	
Report Reference No.	CGZ3140826-00964-EFI
Date of issue	02 February 2015
Testing Laboratory Name	CENTRE OF TESTING SERVICE CO., LTD.
Address	A101, No.65, Zhuji Highway, Tianhe District, Guangzhou, Guangdong, China
Testing location/ procedure	Full application of Harmonised standards <input checked="" type="checkbox"/> Partial application of Harmonised standards <input type="checkbox"/> Other standard testing method <input type="checkbox"/>
Applicant's name	Horizon Hobby, LLC
Address	4105 Fieldstone Road, Champaign, IL 61822, USA
Test specification	
Standard	47 CFR PART 15 OCT, 2014, RSS-210 Issue 8, RSS-Gen Issue 4
Test Report Form No.	CTSEMC-1.0
TRF Originator	CENTRE OF TESTING SERVICE CO., LTD.
Master TRF	Dated 2009-01
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Test item description	: Pico QX helicopter
Trade Mark	/
Manufacturer	Horizon Hobby, LLC
Model/Type reference	BLH8200
Ratings	Battery 3.7V
Operating Frequency	2410MHz ~2480MHz
Result	PASSED

Compiled by:

Kate zhang / Fileadministrators

Supervised by:

Duke yang / Technique principal

Approved by:

Vincent yao / Manager

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FCC ID/IC -- TEST REPORT

Test Report No. : CGZ3140826-00964-EFI	<u>02 February 2014</u> Date of issue
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Type / Model.....	BLH8200
EUT.....	Pico QX helicopter
Applicant	Horizon Hobby, LLC
Address.....	4105 Fieldstone Road, Champaign, IL 61822, USA
Telephone.....	+1-2174033542
Fax.....	/
Contact.....	Erin Hassan
Manufacturer	Horizon Hobby, LLC
Address.....	4105 Fieldstone Road, Champaign, IL 61822, USA
Telephone.....	+1-2174033542
Fax.....	/
Contact.....	Erin Hassan
Factory	Horizon Hobby, LLC
Address.....	4105 Fieldstone Road, Champaign, IL 61822, USA
Telephone.....	+1-2174033542
Fax.....	/
Contact.....	Erin Hassan

The test report merely corresponds to the test sample.
 It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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9.DEVIATION TO TEST SPECIFICATIONS29

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1. TEST STANDARDS

The tests were performed according to following standards:

- 47 CFR PART 15 OCT, 2014
- RSS-210 Issue 8
- RSS-Gen Issue 4
- ANSI C63.4-2009

2. SUMMARY

2.1 GENERAL REMARKS

Date of receipt of test sample	26 August 2014
Testing commenced on	26 August ~ 03 September 2014
Testing concluded on	2 February 2015

2.2 FINAL ASSESSMENT

The FCC requirements pertaining to the technical standards and tested operation modes are

- - fulfilled.
- - **not** fulfilled.

The equipment under test

- - fulfils the FCC/IC requirements cited on page 1.
- - **does not** fulfil the FCC/IC requirements cited on page 1.

3. EQUIPMENT UNDER TEST

3.1 Power supply system utilised

Power supply voltage : ■ Battery 3.7V

3.2 Short description of the Equipment under Test (EUT)

Number of tested samples: 1

Serial number: Prototype

3.3 EUT operation mode

The equipment under test was operated during the measurement under the following conditions:

- - Standby
- TX- Y position
- TX- Z position
- TX- X position
- RX Mode

Operation mode 1: TX-X Position Low (2410MHz) , TX-X Position Middle (2440MHz) ,
TX-X Position High (2480MHz)

Operation mode 2: RX Mode

Note: TX -X position of EUT is the worst case, so only these test results be recorded in the test report.

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3.4 EUT configuration

3.4.1. Description of configuration (EUT)

Description	:	Pico QX helicopter
Model Number	:	BLH8200
Operation frequency	:	2410~ 2480 MHz ISM Band
Radio Technology	:	GFSK
Modulation Technology	:	GFSK modulation
Antenna	:	PCB antenna, met requirement of FCC 15.203

3.4.2. Tested Supporting System Details

N/A

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4. TEST ENVIRONMENT

4.1 Address of the test laboratory

A101, No.65, Zhuji Highway, Tianhe District, Guangzhou, Guangdong, China

Tel: +86-20-85543113 (32 lines)

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4.2 Test facility

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

CNAS-Lab Code: L3394

CENTRE OF TESTING SERVICE CO., LTD has been assessed and proved to be in compliance with CNAS-CL01: 2006 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

IC-Registration No.: 8374A

The 3m Alternate Test Site of CENTRE OF TESTING SERVICE CO., LTD has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 8374A on May 22, 2014.

FCC-Registration No.: 971995

CENTRE OF TESTING SERVICE 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 No.791995, July 21,2012.

4.3 Environmental conditions

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

Temperature:	15~35 ° C
Humidity:	25~75 %
Atmospheric pressure:	86~106 kPa

4.4 Definitions of symbols used in this test report

- - The black square indicates that the listed condition, standard or equipment is applicable for this report.
- - The empty square indicates that the listed condition, standard or equipment is **not** applicable for this report.

4.5 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 CTS 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.

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4.6 Measurement Uncertainty

Test Item	Frequency Range	Uncertainty	Note
Conduction disturbance	150kHz~30MHz	±1.22dB	(1)
Power disturbance	30MHz~300MHz	±1.38dB	(1)
Radiation emission (3m)	30MHz~300MHz	±3.14dB	(1)
	300MHz~1000MHz	±3.18dB	(1)
	1GHz~26.5GHz	±3.54dB	(1)

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

5. Summary of standards and results

5.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION		
Description of Test Item	Standard	Results
Radiated Emission Test	RSS-Gen:7.2 RSS-210 A2.9 FCC Part 15 C: 15.249 FCC Part 15 : 209 ANSI C63.4-2009	PASSED
Band Edge Compliance Test	RSS-210 Annex 8 FCC Part 15 C: 15.249 ANSI C63.4-2009	PASSED
99% Bandwidth	RSS-210 Annex 8 RSS-Gen 4.6.1	PASSED
N/A is an abbreviation for Not Applicable.		

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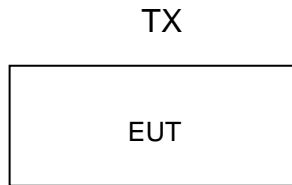
6. Radiated disturbance (electric field)

6.1. Test Equipment

6.1					
Radiated disturbance (Electric field)					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Signal analyzer	ROHDE & SCHWARZ	FSIQ26	100311	2014/03
2	EMI Test Receiver	ROHDE & SCHWARZ	ESVS 10	842885/001	2014/11
3	Biconical Antenna	ROHDE & SCHWARZ	HK116	100221	2014/03
4	Log per Antenna	ROHDE & SCHWARZ	HL223	100226	2014/03
5	Log per Antenna	ROHDE & SCHWARZ	HL050	100186	2014/03
6	Loop Antenna	A.R.A	PLA-1030/B	1030	2014/03
7	EMI Test Software	Farad	EZ-EMC	N/A	N/A

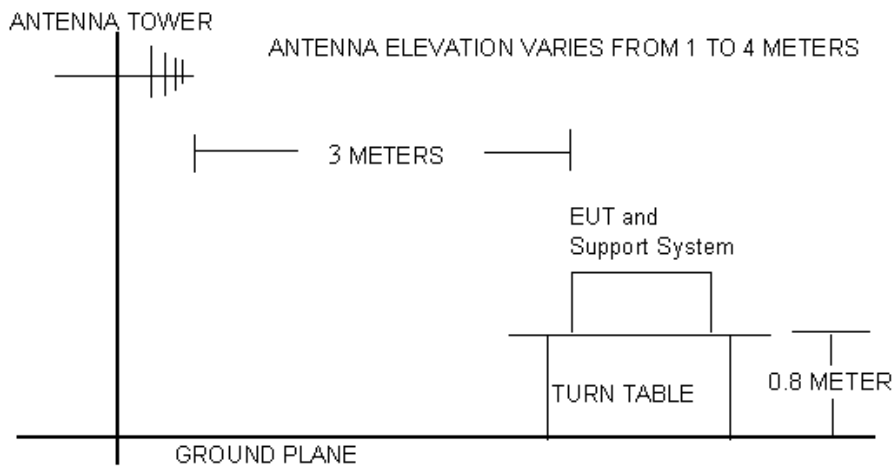
6.2. Block Diagram of Test Setup

6.2.1 Block Diagram of connection between EUT and simulators



(EUT: Pico QX helicopter)

6.2.2 Anechoic Chamber Setup Diagram



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6.3.Radiated Emission Limit :

Standard:FCC 15.249 , FCC 15.209, RSS-Gen:7.2,RSS-210 A2.9

Except as provided in paragraph (a) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency (MHz)	Field Strength of Fundamental (mV/m)	Field Strength of Harmonics (µV/m)
902-928	50	500
2400-2483.5	50	500
5725-5875	50	500
24000-24250	250	2500

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		µV/m	dB(µV)/m
0.009 ~ 0.490	300	2400/F(KHz)	----
0.490 ~ 1.705	30	24000/F(KHz)	----
1.705 ~ 30	3	30	----
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	Other:74.0 dB(µV)/m (Peak) 54.0 dB(µV)/m (Average)	

- Remark: (1) Emission level dBµV = 20 log Emission level µV/m
 (2) The smaller limit shall apply at the cross point between two frequency bands.
 (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

6.4.Test Procedure

The EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2009on radiated emission Test.

The frequency range from 30MHz to 1000MHz and above 1GHz. is investigated. Please see the following pages.

All measurements for radiated emissions within the restricted bands were performed using a Quasi-Peak detector with 120kHz RBW below 1GHz and a Peak and Average detector with 1MHz RBW above 1GHz,

All measurements for radiated emissions within the restricted bands were performed using a Quasi-Peak detector with 300kHz VBW below 1GHz and a Peak detector with 1MHz VBW above 1GHz, A average detector with 10Hz VBW above 1GHz

Pretest x, y, z position of EUT, final, select the worst case x position test and record the test results in the report.

The test modes (TX Mode and RX Mode) is tested in Anechoic Chamber and all the scanning waveforms are reported on section 7.5

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6.5.Radiated Emission Test Results

PASSED.

The frequency range from 9KHz~30MHz,30MHz to 230MHz, 230MHz to 1000MHz and above 1GHz. is investigated. Please see the following pages.

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Test Mode:	TX -X Position Mode	Result:	<input checked="" type="checkbox"/> - passed
Frequency range:	9KHz~30MHz		<input type="checkbox"/> - not passed

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBμV/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.
Remark:Other frequency no specific emission form the EUT (Margin > 10dB form the applicable Limit)							

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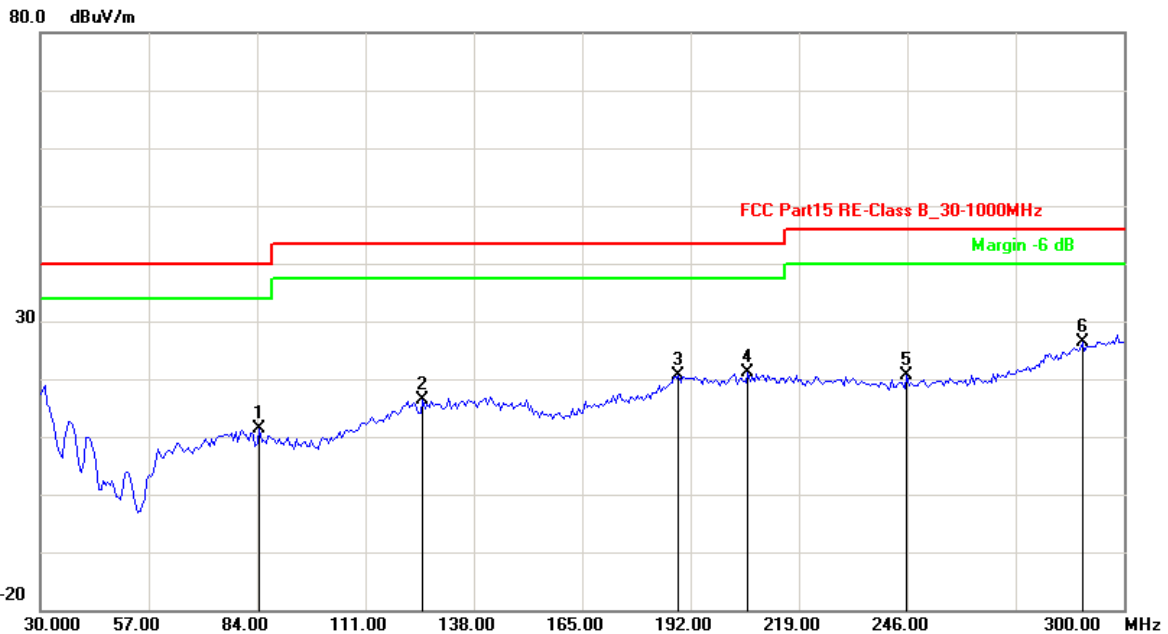
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Test Mode:	TX	Result:	<input checked="" type="checkbox"/> - passed
Test point:	Horizontal		<input type="checkbox"/> - not passed
Frequency range:	30MHz~1GHz		

EUT	Pico QX helicopter
Firm Name	Horizon Hobby, LLC
Operating Condition	Battery 3.7V
Test Condition	Ambient Temperature: 26°C Humidity: 60%
Test distance	3 Meter
Test Date:	26 August~03 September 2014
Operator	Duke
MODEL NO	BLH8200



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBμV/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.
1	84.6493	-22.43	33.70	11.27	40.00	-28.73	QP
2	125.2305	-17.57	33.99	16.42	43.50	-27.08	QP
3	189.0782	-12.34	32.90	20.56	43.50	-22.94	QP
4	206.3928	-12.28	33.40	21.12	43.50	-22.38	QP
5	245.8918	-12.92	33.43	20.51	46.00	-25.49	QP
6	289.7194	-7.12	33.44	26.32	46.00	-19.68	QP

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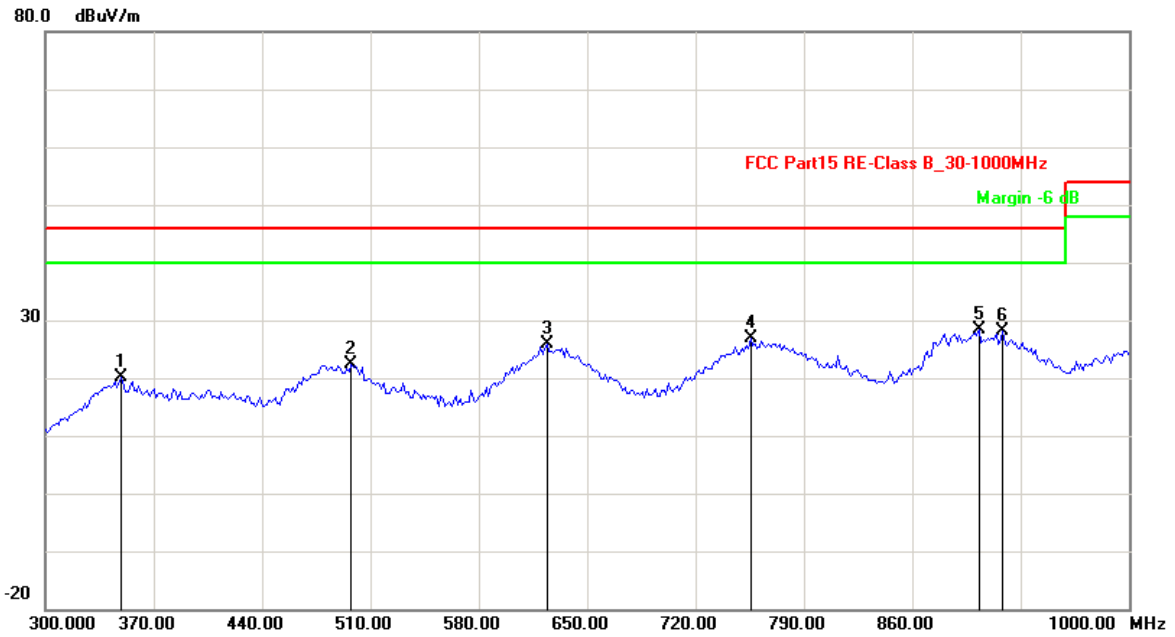
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No.	Frequency (MHz)	Factor (dB/m)	Reading (dB μ V/m)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Det.
1	349.0982	-13.46	33.57	20.11	46.00	-25.89	QP
2	497.7956	-10.12	32.42	22.30	46.00	-23.70	QP
3	624.0481	-7.18	33.07	25.89	46.00	-20.11	QP
4	755.9118	-5.83	32.82	26.99	46.00	-19.01	QP
5	903.2064	-4.01	32.34	28.33	46.00	-17.67	QP
6	918.6373	-4.48	32.59	28.11	46.00	-17.89	QP

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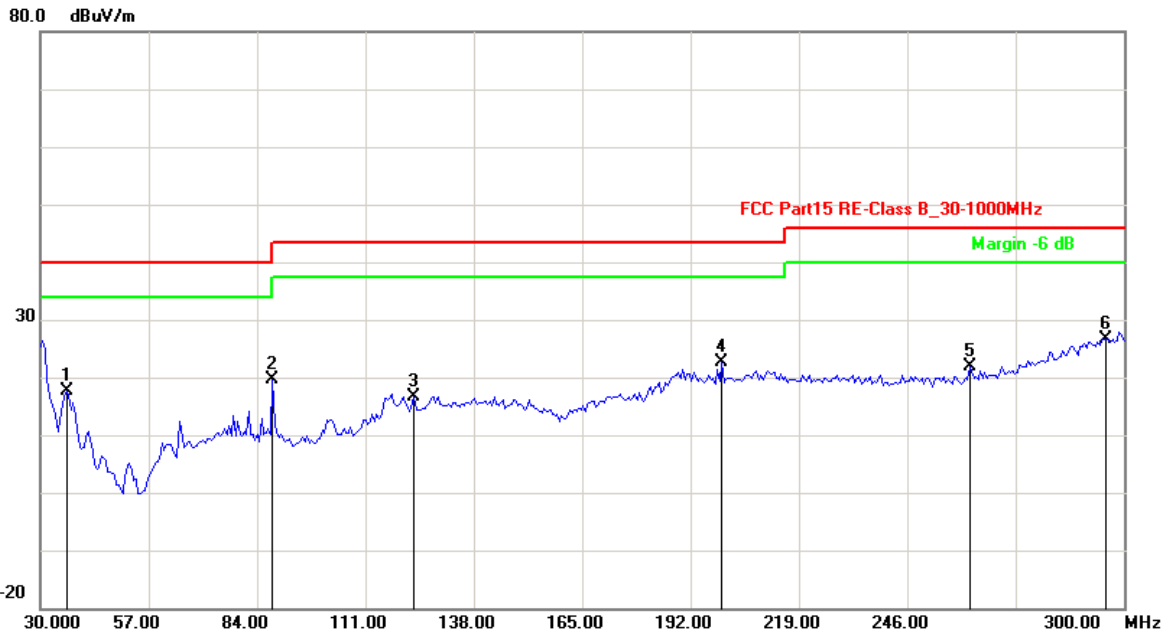
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Test Mode:	TX	Result:	<input checked="" type="checkbox"/> - passed
Test point:	Vertical		<input type="checkbox"/> - not passed
Frequency range:	30MHz~1GHz		

EUT	Pico QX helicopter
Firm Name	Horizon Hobby, LLC
Operating Condition	Battery 3.7V
Test Condition	Ambient Temperature: 26°C Humidity: 60%
Test distance	3 Meter
Test Date:	26 August~03 September 2014
Operator	Duke
MODEL NO	BLH8200



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBμV/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.
1	36.4930	-23.89	41.53	17.64	40.00	-22.36	QP
2	87.8958	-22.57	42.21	19.64	40.00	-20.36	QP
3	123.0661	-17.80	34.50	16.70	43.50	-26.80	QP
4	199.8998	-12.65	35.34	22.69	43.50	-20.81	QP
5	261.5832	-12.48	34.31	21.83	46.00	-24.17	QP
6	295.6713	-6.21	32.92	26.71	46.00	-19.29	QP

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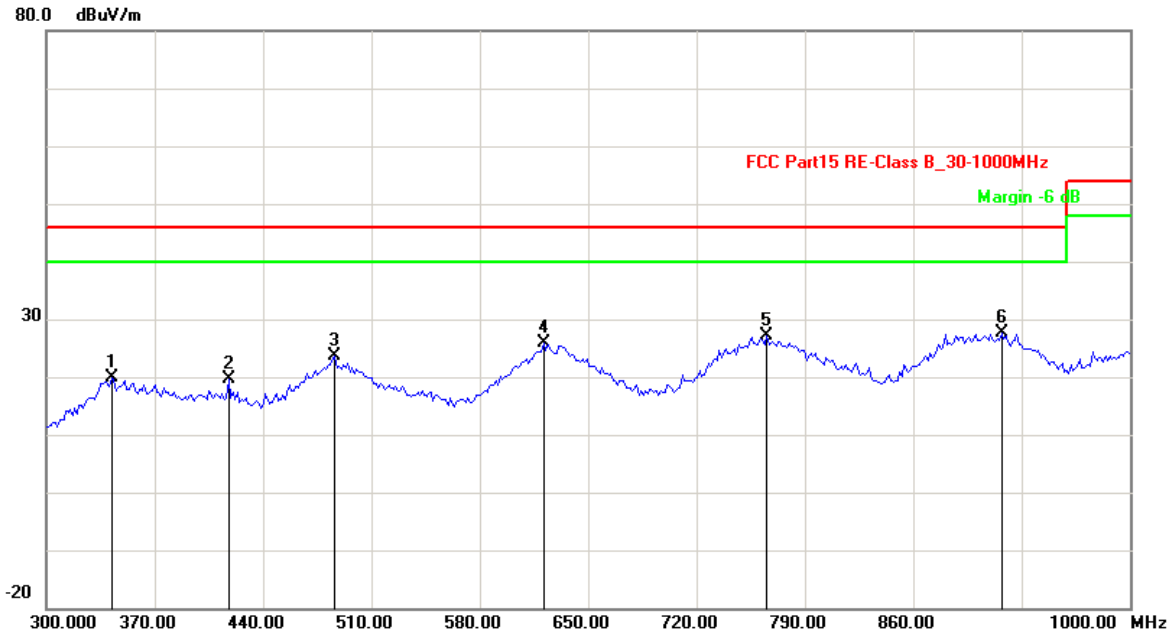
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No.	Frequency (MHz)	Factor (dB/m)	Reading (dB μ V/m)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Det.
1	342.0842	-13.19	33.06	19.87	46.00	-26.13	QP
2	417.8357	-14.80	34.51	19.71	46.00	-26.29	QP
3	486.5731	-9.85	33.45	23.60	46.00	-22.40	QP
4	621.2425	-7.10	32.89	25.79	46.00	-20.21	QP
5	765.7315	-5.62	32.81	27.19	46.00	-18.81	QP
6	917.2345	-4.44	32.04	27.60	46.00	-18.40	QP

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Channel:	TX Low Channel	Result:	<input checked="" type="checkbox"/> - passed <input type="checkbox"/> - not passed
Test point:	Horizontal		
Frequency range:	1GHz~26.5GHz		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBµV/m)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.
1	2410.00	2.88	55.24	58.12	114.00	-55.88	peak
2	2410.00	2.88	53.01	55.89	94.00	-38.11	AVG

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBµV/m)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.
1	1947.896	-1.17	51.40	50.23	74.00	-23.77	peak
2	1947.896	-1.17	34.80	33.63	54.00	-20.37	AVG
3	3601.202	8.53	41.02	49.55	74.00	-24.45	peak
4	3601.202	8.53	24.49	33.02	54.00	-20.98	AVG
5	5563.126	13.97	39.35	53.32	74.00	-20.68	peak
6	5563.126	13.97	23.74	37.71	54.00	-16.29	AVG

Remark: Others spurious emission margin all >6dB of the limit.

Channel:	TX Middle Channel	Result:	<input checked="" type="checkbox"/> - passed <input type="checkbox"/> - not passed
Test point:	Horizontal		
Frequency range:	1GHz~26.5GHz		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBµV/m)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.
1	2440.00	3.18	54.42	57.60	114.00	-56.40	peak
2	2440.00	3.18	52.12	55.30	94.00	-38.70	AVG

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBµV/m)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.
1	3468.938	8.11	41.29	49.40	74.00	-24.60	peak
2	3468.938	8.11	24.16	32.27	54.00	-21.73	AVG
3	5541.082	13.90	39.00	52.90	74.00	-21.10	peak
4	5541.082	13.90	22.24	36.14	54.00	-17.86	AVG
5	6026.052	15.44	40.83	56.27	74.00	-17.73	peak
6	6026.052	15.44	24.08	39.52	54.00	-14.48	AVG

Remark: Others spurious emission margin all >6dB of the limit.

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Channel:	TX High Channel	Result:	<input checked="" type="checkbox"/> - passed
Test point:	Horizontal		<input type="checkbox"/> - not passed
Frequency range:	1GHz~26.5GHz		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBµV/m)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.
1	2480.00	3.57	53.08	56.65	114.00	-57.35	peak
2	2480.00	3.57	50.98	54.55	94.00	-39.45	AVG

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBµV/m)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.
1	3667.335	8.74	40.14	48.88	74.00	-25.12	peak
2	3667.335	8.74	21.29	30.03	54.00	-23.97	AVG
3	5034.068	12.27	37.86	50.13	74.00	-23.87	peak
4	5034.068	12.27	21.22	33.49	54.00	-20.51	AVG
5	5981.964	15.32	39.95	55.27	74.00	-18.73	peak
6	5981.964	15.32	22.44	37.76	54.00	-16.24	AVG

Remark: Others spurious emission margin all >6dB of the limit.

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Channel:	TX Low Channel	Result:	<input checked="" type="checkbox"/> - passed
Test point:	Vertical		<input type="checkbox"/> - not passed
Frequency range:	1GHz~26.5GHz		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBμV/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.
1	2410.00	2.88	57.19	60.07	114.00	-53.93	peak
2	2410.00	2.88	54.85	57.73	94.00	-36.27	AVG

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBμV/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.
1	1947.896	-1.17	53.25	52.08	74.00	-21.92	peak
2	1947.896	-1.17	37.78	36.61	54.00	-17.39	AVG
3	3314.629	7.61	41.42	49.03	74.00	-24.97	peak
4	3314.629	7.61	24.17	31.78	54.00	-22.22	AVG
5	5717.435	14.47	40.09	54.56	74.00	-19.44	peak
6	5717.435	14.47	21.05	35.52	54.00	-18.48	AVG

Remark: Others spurious emission margin all >6dB of the limit.

Channel:	TX Middle Channel	Result:	<input checked="" type="checkbox"/> - passed
Test point:	Vertical		<input type="checkbox"/> - not passed
Frequency range:	1GHz~26.5GHz		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBμV/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.
1	2440.00	3.18	56.64	59.82	114.00	-54.18	peak
2	2440.00	3.18	54.97	58.15	94.00	-35.85	AVG

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBμV/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.
1	3270.541	7.47	41.61	49.08	74.00	-24.92	peak
2	3270.541	7.47	24.10	31.57	54.00	-22.43	AVG
3	4394.790	10.74	38.66	49.40	74.00	-24.60	peak
4	4394.790	10.74	21.37	32.11	54.00	-21.89	AVG
5	5342.685	13.26	39.11	52.37	74.00	-21.63	peak
6	5342.685	13.26	22.97	36.23	54.00	-17.77	AVG

Remark: Others spurious emission margin all >6dB of the limit.

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Channel:	TX High Channel	Result: <input checked="" type="checkbox"/> - passed <input type="checkbox"/> - not passed
Test point:	Vertical	
Frequency range:	1GHz~26.5GHz	

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBµV/m)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.
1	2480.00	3.57	55.18	58.75	114.00	-55.25	peak
2	2480.00	3.57	53.51	57.08	94.00	-36.92	AVG

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBµV/m)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.
1	3204.409	7.26	42.07	49.33	74.00	-24.67	peak
2	3204.409	7.26	26.15	33.41	54.00	-20.59	AVG
3	4020.040	9.86	39.66	49.52	74.00	-24.48	peak
4	4020.040	9.86	23.77	33.63	54.00	-20.37	AVG
5	5496.994	13.76	39.12	52.88	74.00	-21.12	peak
6	5496.994	13.76	21.74	35.50	54.00	-18.50	AVG

Remark: Others spurious emission margin all >6dB of the limit.

Note:Level=Reading+Factor. Margin=Level-Limit.

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7. Band Edge Compliance test

7.1. Test Equipment

Band Edge Compliance test					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Log per Antenna	ROHDE & SCHWARZ	HL050	100186	2014/03
2	Signal analyzer	ROHDE & SCHWARZ	FSIQ26	100311	2014/03

7.2. Test Information

EUT	Pico QX helicopter
Firm Name	Horizon Hobby, LLC
Operating Condition	Battery 3.7V
Test Condition	Ambient Temperature: 26°C Humidity: 60%
Test distance	3 Meter
Test Date:	26 August-03 September 2014
Operator	Duke
MODEL NO	BLH8200

7.3. Test procedure

- 1、 The EUT operates at hopping-off test mode. The lowest or highest channels are tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.
- 2、 Max hold the trace of the setp 1, and the EUT operates at hopping-on test mode to verify the largest spurious emissions power.
- 3、 Set the RBW and VBW 1MHz for Peak , RBW 1MHz and VBW 1KHz(1/On time) for Average.

7.4. Test Results

PASSED.

The EUT operates at hopping-off test mode. The lowest and highest channels are tested to verify the band edge emissions.

Test Mode	Channel Marked Frequency	Test Result Highest Emission (dBuv/m)			
		Horizontal		Vertical	
		Peak	Average	Peak	Average
Low Channel	2390MHz	29.57	16.75	28.33	16.73
	2400MHz	27.69	16.76	28.66	16.78
High Channel	2483.5MHz	35.09	17.63	34.11	19.00
	2500MHz	28.22	16.43	27.85	16.48

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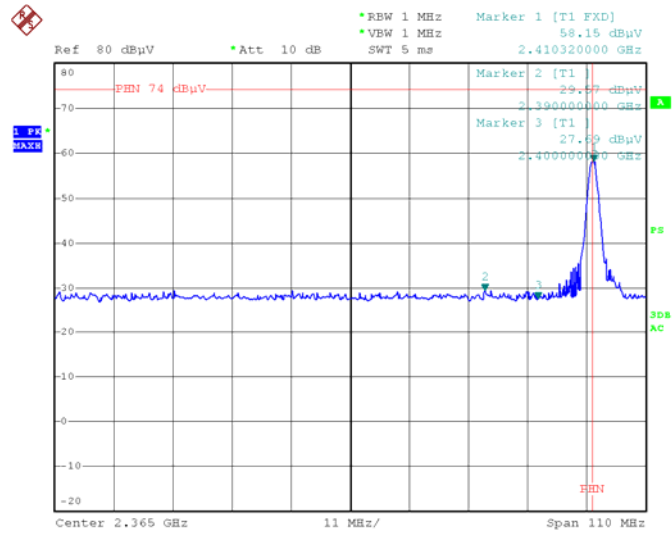
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Band Edges(CH Low)
 Detector mode:Peak

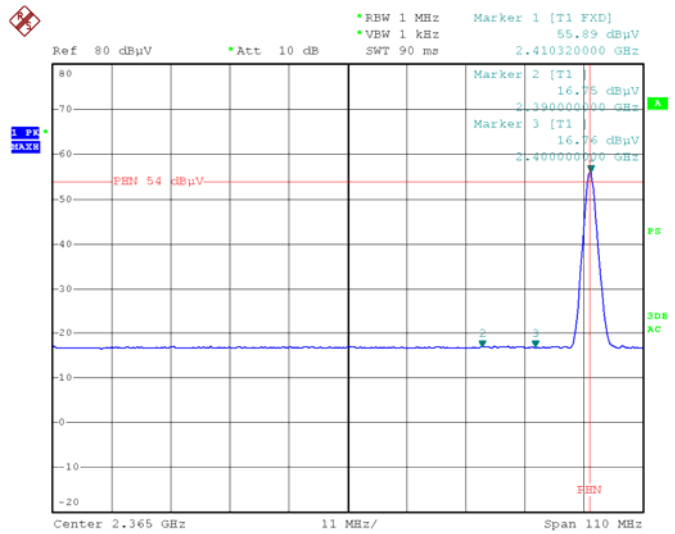
Polarity:Horizontal



Date: 3.SEP.2014 10:18:04

Band Edges(CH Low)
 Detector mode:Average

Polarity:Horizontal



Date: 3.SEP.2014 10:15:57

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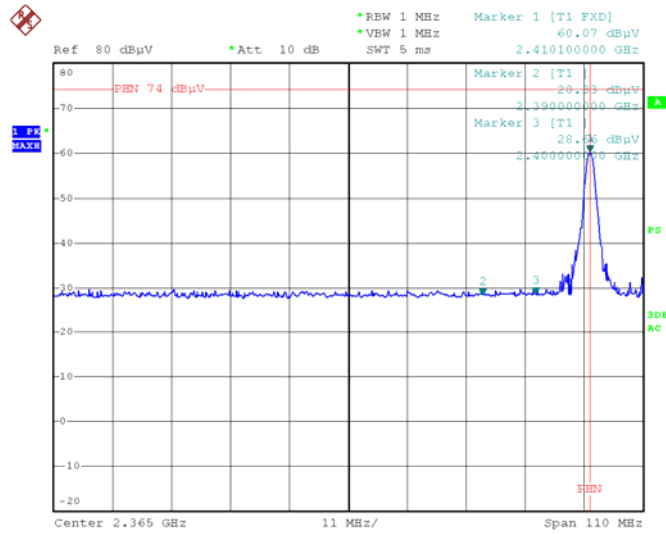
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Band Edges(CH Low)
 Detector mode:Peak

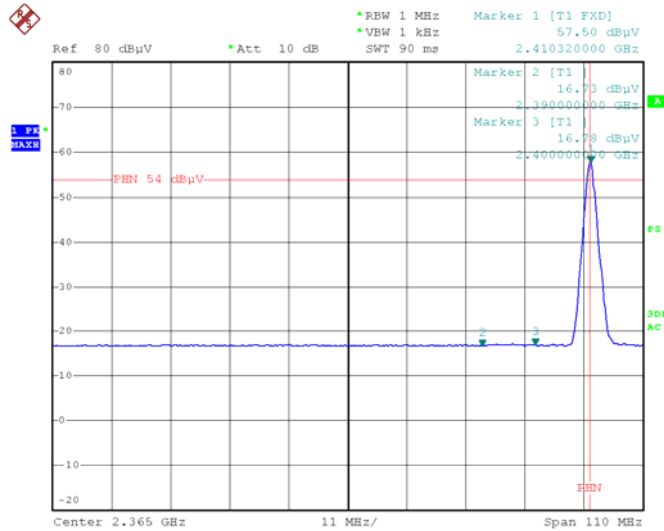
Polarity:Vertical



Date: 3.SEP.2014 10:12:55

Band Edges(CH Low)
 Detector mode:Average

Polarity:Vertical



Date: 3.SEP.2014 10:14:49

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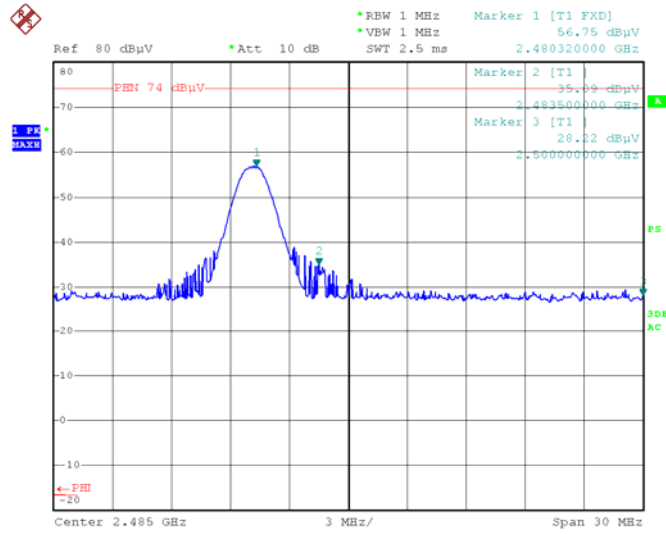
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Band Edges(CH High)
 Detector mode:Peak

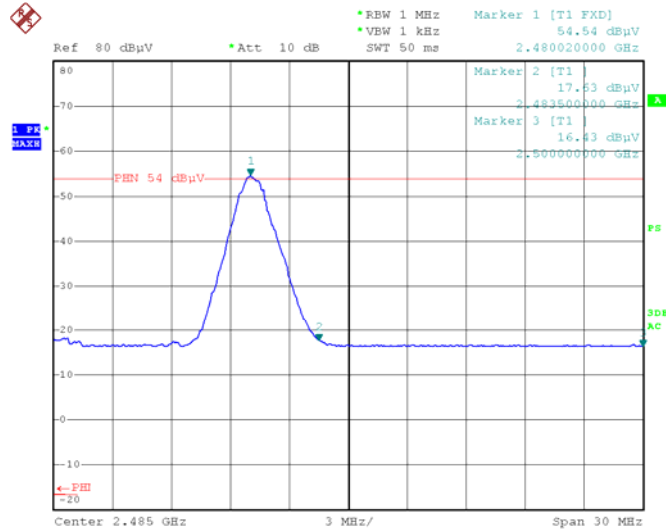
Polarity:Horizontal



Date: 3.SEP.2014 10:29:59

Band Edges(CH High)
 Detector mode:Average

Polarity:Horizontal



Date: 3.SEP.2014 10:27:38

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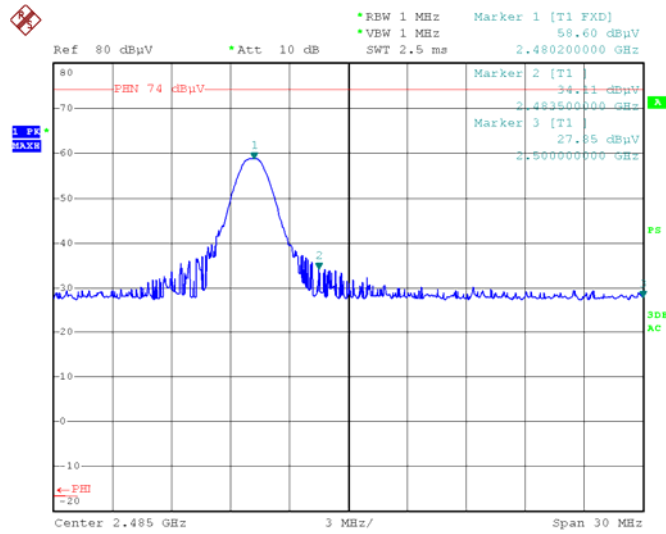
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Band Edges(CH High)
 Detector mode:Peak

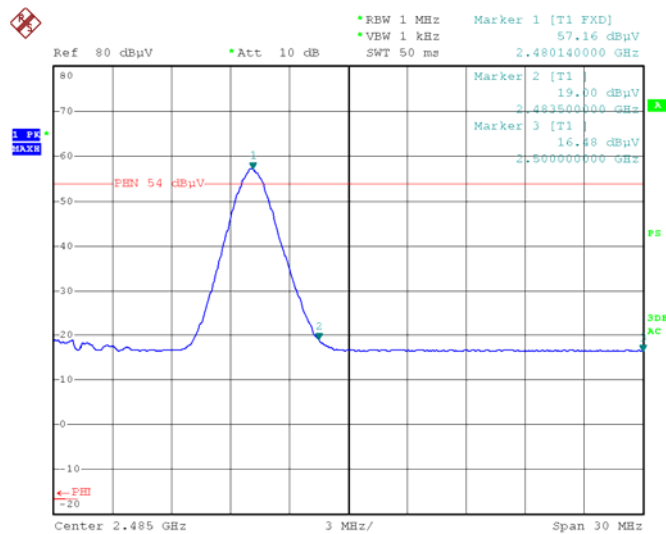
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Date: 3.SEP.2014 10:22:32

Band Edges(CH High)
 Detector mode:Average

Polarity:Vertical



Date: 3.SEP.2014 10:26:33

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8. 99% bandwidth

8.1 Test procedure

According to RSS-210 Annex 8 and RSS-Gen 4.6.1 The transmitter output is connected to the spectrum analyzer. The resolution bandwidth shall be set to as close to 1% of the selected span as is possible without being below 1%. The video bandwidth shall be set to 3 times the resolution bandwidth. Video averaging is not permitted. Where practical, a sampling detector shall be used given that a peak or peak hold may produce a wider bandwidth than actual. The sweep time is coupled.

8.2. Test Equipment

Band Edge Compliance test					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Log per Antenna	ROHDE & SCHWARZ	HL050	100186	2014/03
2	Signal analyzer	ROHDE & SCHWARZ	FSIQ26	100311	2014/03

8.3. Test Information

EUT	Pico QX helicopter
Firm Name	Horizon Hobby, LLC
Operating Condition	Battery 3.7V
Test Condition	Ambient Temperature: 26°C Humidity: 60%
Test Date:	26 August~03 September 2014
Operator	Duke
MODEL NO	BLH8200

8.4. Test Results

PASSED.

Channel	Frequency (MHz)	Bandwidth (MHz)
Low	2410	0.63
Middle	2440	0.90
High	2480	0.63

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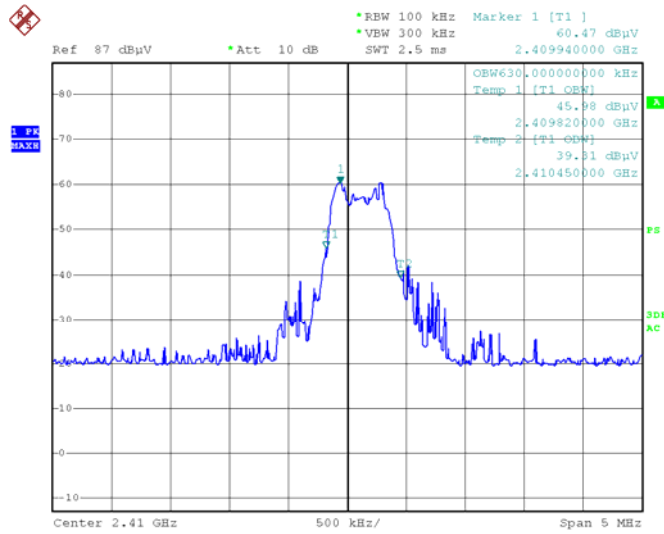
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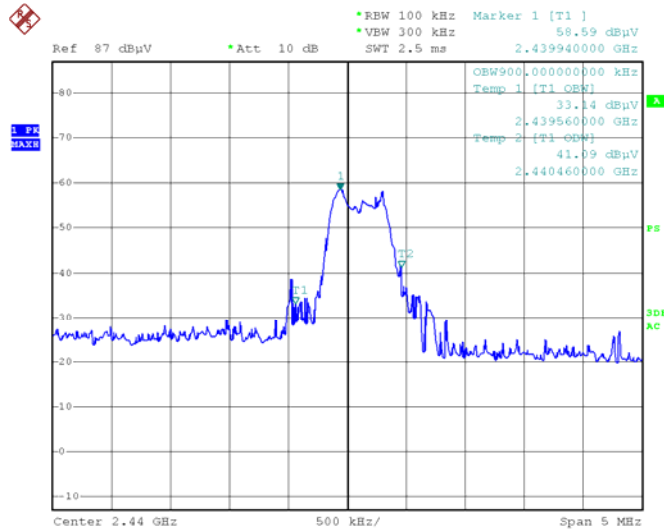


99% Bandwidth 2410MHz



Date: 3.SEP.2014 17:00:57

99% Bandwidth 2440 MHz



Date: 3.SEP.2014 17:02:43

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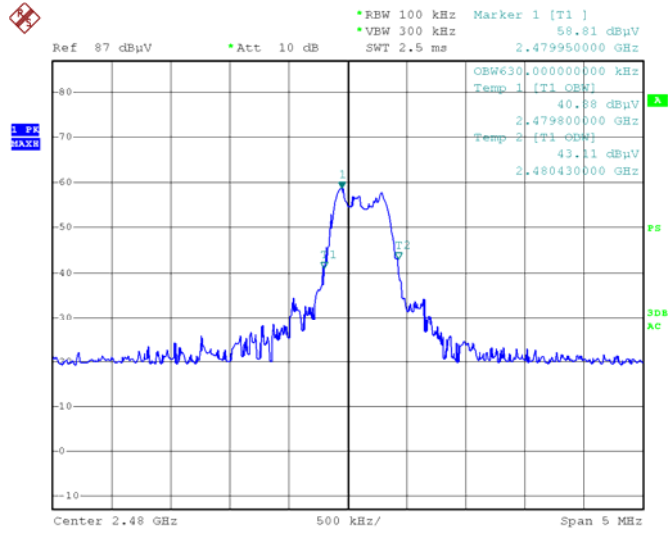
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99% Bandwidth 2480 MHz



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9.Deviation to test specifications

[NONE]

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