





ISO/IEC17025 Accredited Lab.

Report No: FCC0904213 File reference No: 2009-05-12

Applicant: ShenZhen Wfly Technology Development Co.,Ltd

Product: Radio Control System

Model No: WFT06X

Brand Name: Wfly

Test Standards: FCC Part 15 Subpart C, Paragraph 15.249

Test result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.4&FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of

electromagnetic compatibility

Approved By

Jack Chung

Jack Chung

Manager

Dated: May 12, 2009

Results appearing herein relate only to the sample tested The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TECHNOLOGY CONSULTING CO LTD

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Tel (755) 83448688 Fax (755) 83442996

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Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAL. This approval result is accepted by MRA of APLAC.

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

CNAL-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAL/AC01:2002 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:1999 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 899988

The 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.: 899988.

IC- Registration No.: IC5205A-01

The EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration IC No.: 5205A-01.

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TECHNOLOGY CONSULTING CO LTD

Address: 5/F,Block 4, Anhua Industrial Zone.,No.8 TaiRan Rd.CheGongMiao,FuTian District,

Shenzhen, CHINA.

Telephone: (755) 83448688 Fax: (755) 83442996

Site on File with the Federal Communications Commission – United Sates

Registration Number: 899988

For 3m & 10 m OATS

Site Listed with Industry Canada of Ottawa, Canada

Registration Number: IC: 5205A-01

For 3m & 10 m OATS

1.2 Applicant Details

Applicant: ShenZhen Wfly Technology Development Co.,Ltd

Address: Flat 618-619,6/F Chuangye Building No.1 Qilin Road, Nanshan District Shenzhen, P.R. China

Telephone: +86-755-26581815 Fax: +86-755-26581821

1.3 Description of EUT

Product: Radio Control System

Manufacturer: ShenZhen Wfly Technology Development Co.,Ltd

Brand Name: Wfly
Model Number: WFT06X
Additional Model Name WFT08S
Additional Trade Name N/A

Rating: Input: DC12 (8pcs AAA batteries)

Modulation Type: FSK

Operation Frequency 2411-2469MHz

Number of Channel 59

Antenna Designation An RF cable connected the IPX connector with the dipole antenna For WFT06X

A dipole antenna with Reverse-polarity SMA connector for WFT08S

Both of the dipole antennas are the same type and manufactured by the same

manufacture. The antenna gain is 2.0dB.

1.4 Submitted Sample

3 Sample

The report refers only to the sample tested and does not apply to the bulk.

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1.5 Test Duration

2009-04-27 to 2008-05-12

1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB Radiated Emissions Uncertainty =4.7dB

1.7 Test Engineer

Terry Tang

The sample tested by

Print Name: Terry Tang

2.0		Test Equi	ipments		
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	ROHDE&SCHWARZ	ESPI 3	100379	2008-12-05	2009-12-04
Absorbing Clamp	ROHDE&SCHWARZ	MDS-21	100126	2008-12-05	2009-12-04
TWO Line-V-NETW	ROHDE&SCHWARZ	EZH3-Z5	100294	2008-12-05	2009-12-04
TWO Line-V-NETW	ROHDE&SCHWARZ	EZH3-Z5	100253	2008-12-05	2009-12-04
Ultra Broadband ANT	ROHDE&SCHWARZ	HL562	100157	2008-12-05	2009-12-04
ESDV Test Receiver	ROHDE&SCHWARZ	ESDV	100008	2009-04-26	2010-04-25
4-WIRE ISN	ROHDE&SCHWARZ	ENY 41	830663/044	2009-02-18	2010-02-17
GG ENY22 Double 2-Wire ISN	ROHDE&SCHWARZ	ENY22	83066/016	2009-02-18	2010-02-17
Impuls-Begrenzer	ROHDE&SCHWARZ	ESH3-Z2	100281	2009-02-18	2010-02-17
System Controller	· CT	SC100	-	2009-02-18	2010-02-17
Printer	EPSON	РНОТО ЕХЗ	CFNH234850	2009-02-18	2010-02-17
FM-AM Signal Generator	JUNG.JIN	SG-150M	389911177	2009-02-18	2010-02-17
Color TV Pattern Generator	PHILIPS	PM5418	LO621747	2009-02-18	2010-02-17

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			<>/ >		
Computer	IBM	8434	1S8434KCE99BLX LO*	-	-
Oscillator	KENWOOD	AG-203D	3070002	2009-02-18	2010-02-17
Spectrum Analyzer	HAMEG	HM5012	-	2009-04-26	2010-04-25
Power Supply	LW	APS1502	-	-	-
5K VA AC Power Source	California Instruments	5001iX	56060	2009-02-18	2010-02-17
CDN	EM TEST	CDN M2/M3	-	2009-02-18	2010-02-17
Attenuation	EM TEST	ATT6/75	-	2009-02-18	2010-02-17
Resistance	EM TEST	R100	-	2009-02-18	2010-02-17
Electromagnetic Injection Clamp	LITTHI	EM101	35708	2009-02-18	2010-02-17
Signal Generator	ROHDE&SCHWARZ	SMT03	100029	2009-02-18	2010-02-17
Power Amplifier	AR	150W1000	300999	2009-02-18	2010-02-17
Field probe	Holaday	HI-6005	105152	2009-02-18	2010-02-17
Bilog Antenna	Chase	CBL6111C	2576	2009-02-18	2010-02-17
ESPI Test Receiver	ROHDE&SCHWARZ	ESI26	838786/013	2009-02-18	2010-02-17
3m OATS			N/A	2009-02-18	2010-02-17
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170265	2008-08-16	2009-08-15
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-631	2009-04-26	2010-04-25

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3.0 Technical Details

3.1 Summary of test results

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Notes	
ECC Part 15 Paragraph 15 207	Conducted	DACC	Complies	
FCC Part 15, Paragraph 15.207	Emission Test	PASS	Complies	
ECC David 15 Cooks and C David cooks 15 240(a)	Field Strength			
FCC Part 15 Subpart C Paragraph 15.249(a)	of	PASS	Complies	
& 15.249(b) Limit	Fundamental			
FCC Part 15, Paragraph 15.209	Radiated Emission Test	PASS	Complies	
FCC Part 15 Subpart C Paragraph 15.249(d)	Band Edge	DAGG	C P	
Limit	Test	PASS	Complies	

3.2 Test Standards

FCC Part 15 Subpart C, Paragraph 15.249

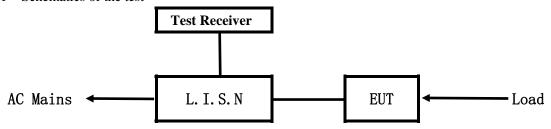
4.0 EUT Modification

No modification by Shenzhen Timeway Technology Consulting Co.,Ltd



5. Power Line Conducted Emission Test

5.1 Schematics of the test

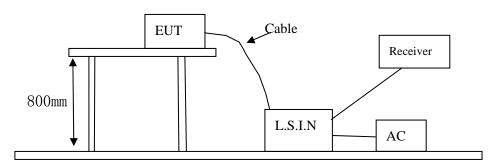


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2003. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.4 –2003.

Block diagram of Test setup



5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.4-2003. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

One channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID
Radio Control	ShenZhen Wfly Technology Development	WFT06X	TZVWFT06XWFT08S
System	Co.,Ltd		

B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

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C. Peripherals

Device	Manufacturer	Model	FCC ID/DOC	Cable
N/A				

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.4 -2003.

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

	Eraguanay (MHz)	Class A Lir	nits (dB µ V)	Class B Limits (dB µ V)		
Frequency(MHz)		Quasi-peak Level	Average Level	Quasi-peak Level	Average Level	
	$0.15 \sim 0.50$	79.0	66.0	66.0~56.0*	56.0~46.0*	
	$0.50 \sim 5.00$	73.0	60.0	56.0	46.0	
	5.00 ~ 30.00	73.0	60.0	60.0	50.0	

Notes:

- 1. *Decreasing linearly with logarithm of frequency.
- 2. The tighter limit shall apply at the transition frequencies

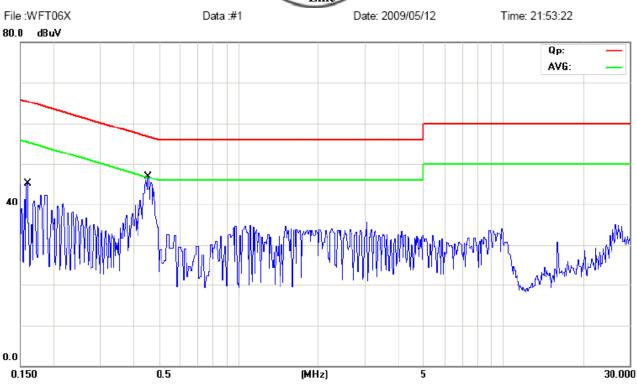
5.6 Test Results

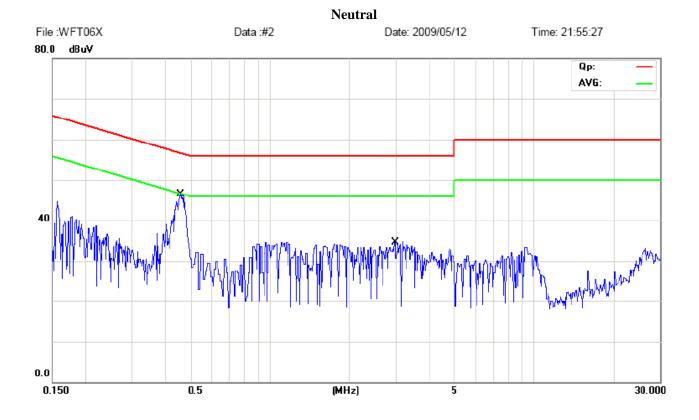
The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

For Transmitter: WFT06X

Frequency	Emission (dBuV)		LINE/	Limit (dBuV)		Margin (dB)	
(MHz)	QP	AV	NEUTRAL	QP	AV	QP	AV
0.1594	33.11	18.51	Line	65.50	55.50	-32.39	-36.99
0.4573	40.03	19.43	Line	56.74	46.74	-16.71	-27.31
0.4590	40.53	21.03	Neutral	56.71	46.71	-16.18	-25.68
2.9550	25.58	18.08	Neutral	56.00	46.00	-30.42	-27.92







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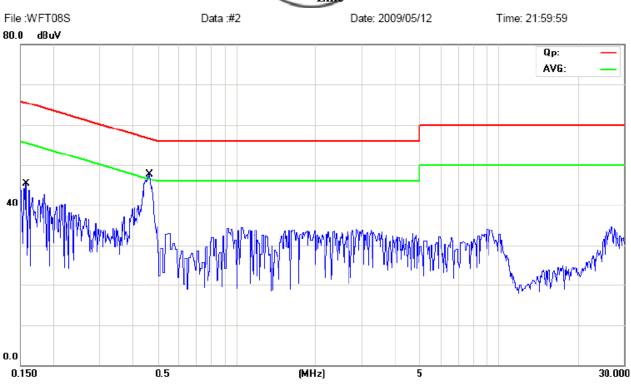
Date: 2009-05-12



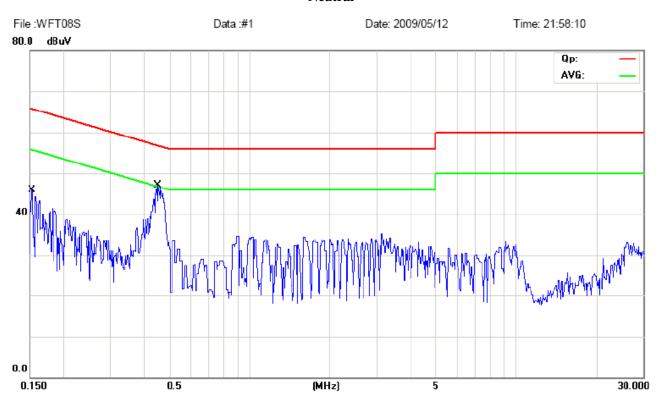
For Transmitter: WFT08S

Frequency	Emissio	Emission (dBuV)		Limit (Limit (dBuV)		Margin (dB)	
(MHz)	QP	AV	NEUTRAL	QP	AV	QP	AV	
0.1580	34.61	25.71	Line	65.57	55.57	-30.96	-29.86	
0.4645	41.53	19.13	Line	56.61	46.61	-15.08	-27.48	
0.1517	39.20	25.50	Neutral	65.91	55.91	-26.71	-30.41	
0.4523	40.02	18.62	Neutral	56.83	46.83	-16.81	-28.21	





Neutral



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6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.4 –2003. The radiated test was performed at Timeway Laboratory. This site is on file with the FCC laboratory division, Registration No.899988
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.4-2001.
- (3) The frequency spectrum from 30 MHz to 1 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a "QP" in the data table.
- (6) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup Distance = 3m Computer Pre -Amplifier EUT Turn-table Receiver

- 6.2 Configuration of The EUT

 Same as section 5.3 of this report
- 6.3 EUT Operating Condition
 Same as section 5.4 of this report.

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6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

A FCC Part 15 Subpart C Paragraph 15.249(a) Limit

Fundamental Frequency	Field Strength of Fundamental (3m)			Field S	trength of Harmo	onics (3m)
(MHz)	mV/m	dBuV/m		uV/m	dBu	V/m
2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)

Note:

- 1. RF Field Strength $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 2.Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
- 3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

В. Frequencies in restricted band are complied to limit on Paragraph 15.209.

Frequency Range (MHz)	Distance (m)	Field strength (dB µ V/m)
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT

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6.5 Test result

Fundamental & Harmonics Radiated Emission Data A

Product:	Radio Control System	Test Mode:	Low Channel
Test Item:	Fundamental Radiated Emission Data	Temperature:	25℃
Test Voltage:	12VDC	Humidity:	56%
Test Result:	Pass	Model:	WFT06X

Frequency	Emission PK/AV	Horiz /	Limits PK/AV	Margin
(MHz)	(dBuV/m)	Vert	(dBuV/m)	(dB)
2411	83.2/72.0	Н	114/94	-30.8/-22.0
2411	95.8/84.8	V	114/94	-18.2/-9.2
4822	58.6/45.1	V	74/54	-15.4/-9.9
4822		Н	74/54	
7233	48.89 (PK)	V	74/54	-5.11
7233		Н	74/54	
9644		H/V	74/54	
12055		H/V	74/54	
14466		H/V	74/54	
16877		H/V	74/54	
19288		H/V	74/54	
21699		H/V	74/54	
24110		H/V	74/54	

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Product:	Radio Control System	Test Mode:	Middle Channel		
Test Item:	Fundamental Radiated Emission Data	Temperature:	25℃		
Test Voltage:	12VDC	Humidity:	56%		
Test Result:	Pass	ModeL:	WFT06X		

Frequency (MHz)	Emission PK/AV (dBuV/m)	Horiz / Vert	Limits PK/AV (dBuV/m)	Margin (dB)
2437	87.3/79.5	Н	114/94	-26.7/-14.5
2437	97.5/86.2	V	114/94	-16.5/-7.8
4874	61.9/47.6	V	74/54	-12.1/-6.4
4874		Н	74/54	
7311		Н	74/54	
7311	50.65(PK)	V	74/54	-3.35
9748		H/V	74/54	
12185		H/V	74/54	
14622		H/V	74/54	
17059		H/V	74/54	
19496		H/V	74/54	
21933		H/V	74/54	
24370		H/V	74/54	

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Product:	Radio Control System	Test Mode:	High Channel
Test Item:	Fundamental Radiated Emission Data	Temperature:	25℃
Test Voltage:	12VDC	Humidity:	56%
Test Result:	Pass	Model:	WFT06X

Frequency	Emission PK/AV	Horiz /	Limits PK/AV	Margin
(MHz)	(dBuV/m)	Vert	(dBuV/m)	(dB)
2469	82.6/71.9	Н	114/94	-31.4/-22.1
2469	93.9/74.1	V	114/94	-20.1/-19.9
4938	55.7/42.7	V	74/54	-18.3/-11.3
4938		Н	74/54	
7407		H/V	74/54	
9876		H/V	74/54	
12345		H/V	74/54	
14814		H/V	74/54	
17283		H/V	74/54	
19752		H/V	74/54	
22221		H/V	74/54	
24690		H/V	74/54	

Note: (1) PK= Peak, AV= Average

- (2) Emission Level = Reading Level + Probe Factor + Cable Loss-AMP.
- (3)Margin=Emission-Limits
- (4)According to section 15.35(b), the peak limit is 20dB higher than the average limit
- (5) Due to measured PK value less than the AV limit, the measured AV value must be less than AV limit

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Product:	Radio Control System	Test Mode:	Low Channel
Test Item:	Fundamental Radiated Emission Data	Temperature:	25℃
Test Voltage:	12VDC	Humidity:	56%
Test Result:	Pass	Model:	WFT08S

Frequency	Emission PK/AV	Horiz /	Limits PK/AV	Margin
(MHz)	(dBuV/m)	Vert	(dBuV/m)	(dB)
2411	85.7/76.0	Н	114/94	-28.3/-18.0
2411	98.3/88.8	V	114/94	-15.7-5.2
4822	61.4/49.1	V	74/54	-12.6/-4.9
4822		Н	74/54	
7233	54.4/40.1	/V	74/54	-19.6/-13.9
7233		Н	74/54	
9644		H/V	74/54	
12055		H/V	74/54	
14466		H/V	74/54	
16877		H/V	74/54	
19288		H/V	74/54	
21699		H/V	74/54	
24110	-	H/V	74/54	

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Product:	Radio Control System	Test Mode:	Middle Channel		
Test Item:	Fundamental Radiated Emission Data	Temperature:	25℃		
Test Voltage:	12VDC	Humidity:	56%		
Test Result:	Pass	ModeL:	WFT08S		

Frequency	Emission PK/AV	Horiz /	Limits PK/AV	Margin
(MHz)	(dBuV/m)	Vert	(dBuV/m)	(dB)
2437	81.0/72.8	Н	114/94	-33/-21.2
2437	92.7/81.2	V	114/94	-21.3/-12.8
4874	52.2/40.6	V	74/54	-21.8/-13.4
4874		Н	74/54	
7311		H/V	74/54	
9748		H/V	74/54	
12185		H/V	74/54	
14622		H/V	74/54	
17059		H/V	74/54	
19496		H/V	74/54	
21933		H/V	74/54	
24370		H/V	74/54	

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Product:	Radio Control System	Test Mode:	High Channel		
Test Item:	Fundamental Radiated Emission Data	Temperature:	25℃		
Test Voltage:	12VDC	Humidity:	56%		
Test Result:	Pass	Model:	WFT08S		

Frequency	Emission PK/AV	Horiz /	Limits PK/AV	Margin
(MHz)	(dBuV/m)	Vert	(dBuV/m)	(dB)
2469	79.8/70.9	Н	114/94	-34.2/-23.1
2469	91.1/82.1	V	114/94	-22.9/-11.9
4938	49.1/37.7	V	74/54	-24.9/-16.3
4938		Н	74/54	
7407		H/V	74/54	
9876		H/V	74/54	
12345		H/V	74/54	
14814		H/V	74/54	
17283		H/V	74/54	
19752		H/V	74/54	
22221		H/V	74/54	
24690		H/V	74/54	

Note: (1) PK= Peak, AV= Average

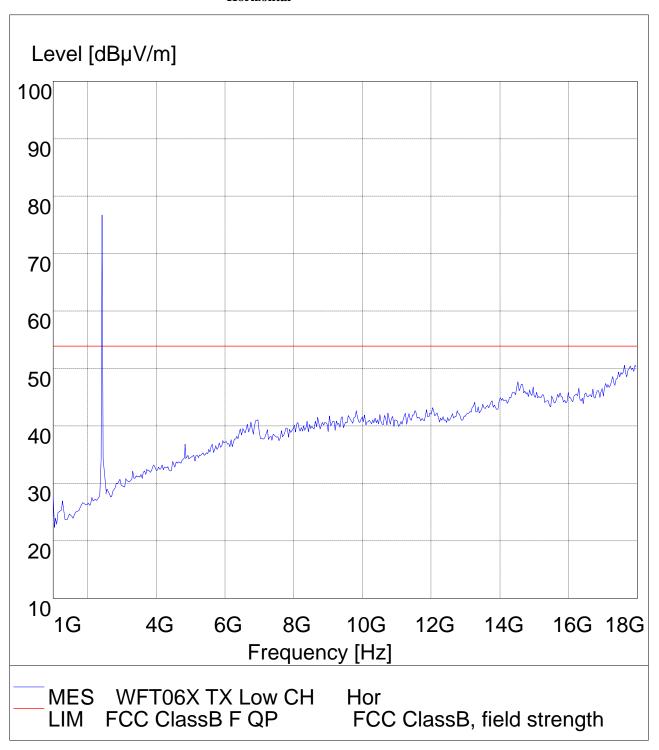
- (2) Emission Level = Reading Level + Probe Factor + Cable Loss-AMP.
- (3)Margin=Emission-Limits
- (4)According to section 15.35(b), the peak limit is 20dB higher than the average limit
- (5) Due to measured PK value less than the AV limit, the measured AV value must be less than AV limit



Test Figure above 1G

Low Channel

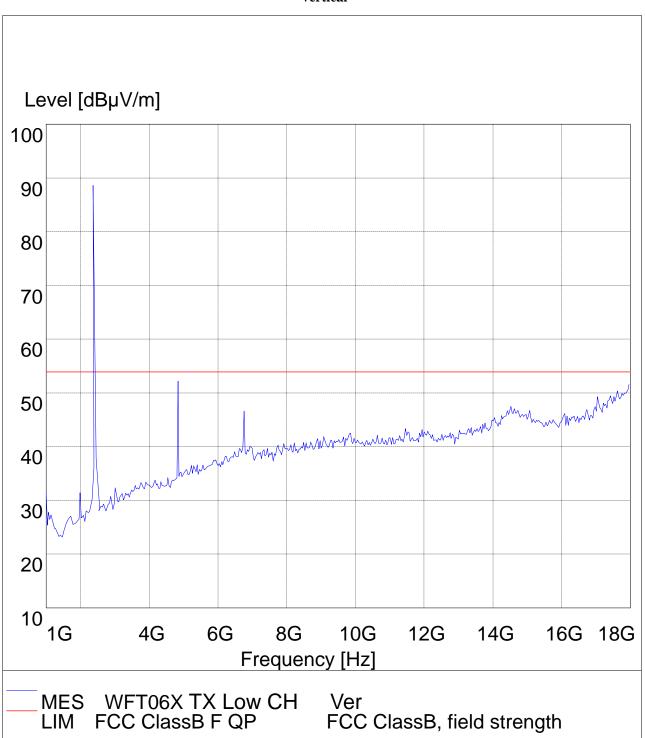
Horizontal





Low Channel

Vertical



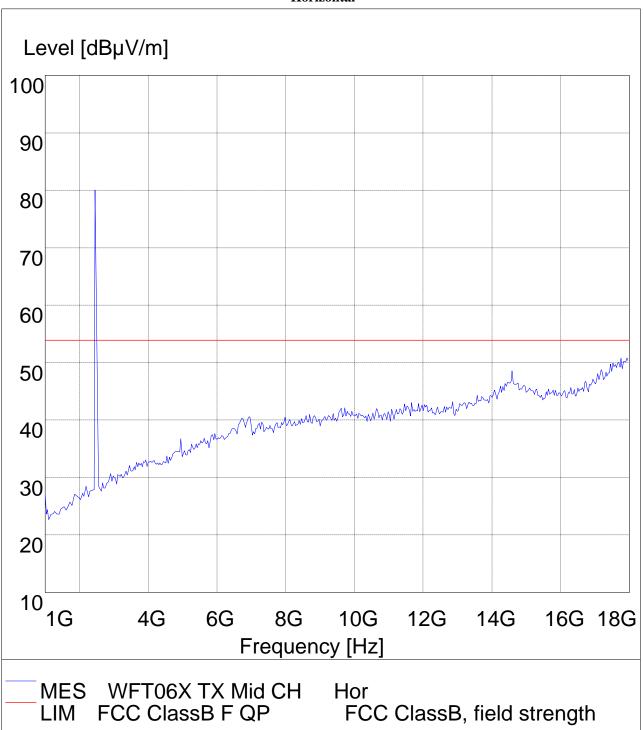
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Middle Channel

Horizontal

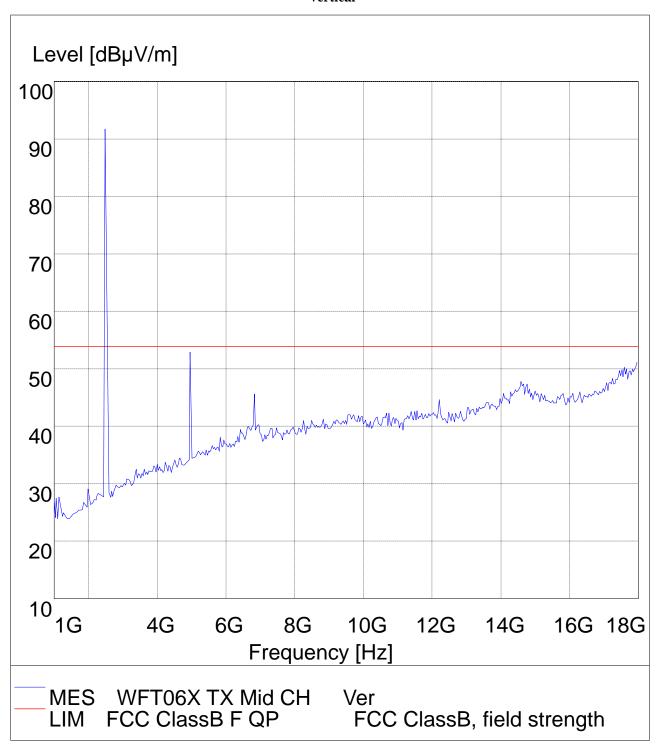


The report refers only to the sample tested and does not apply to the bulk.



Middle Channel

Vertical



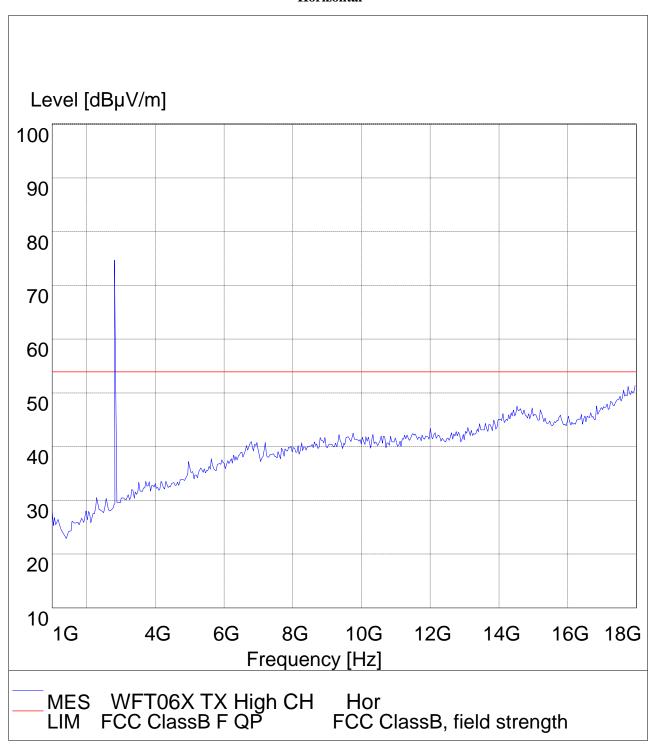
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High Channel

Horizontal



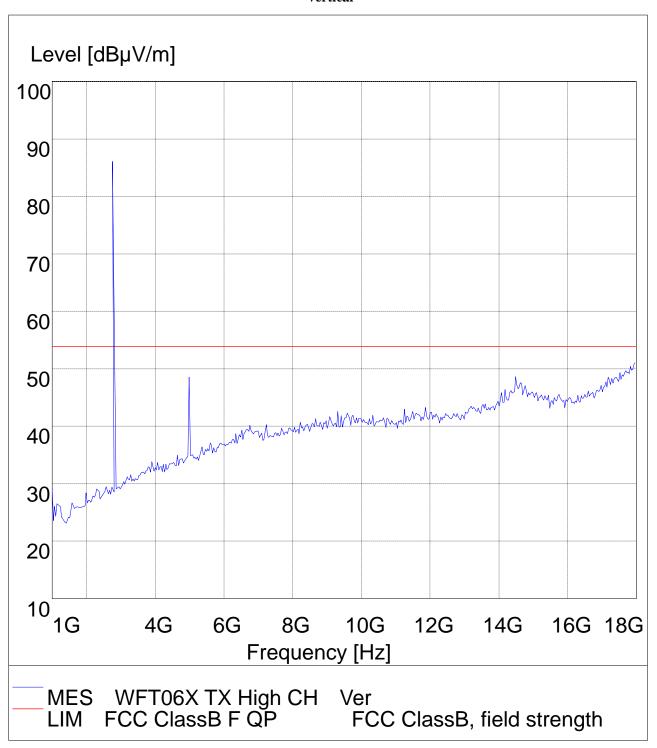
The report refers only to the sample tested and does not apply to the bulk.

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High Channel

Vertical

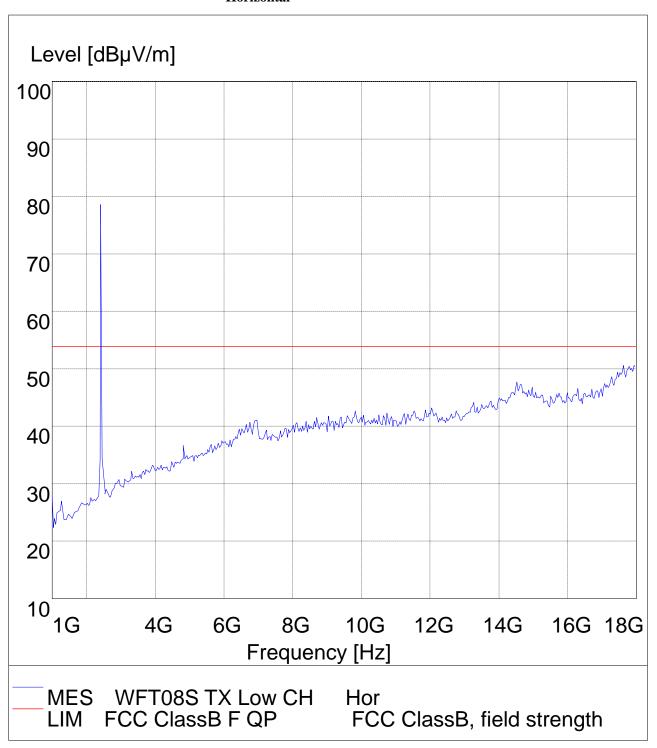


The report refers only to the sample tested and does not apply to the bulk.



Low Channel

Horizontal

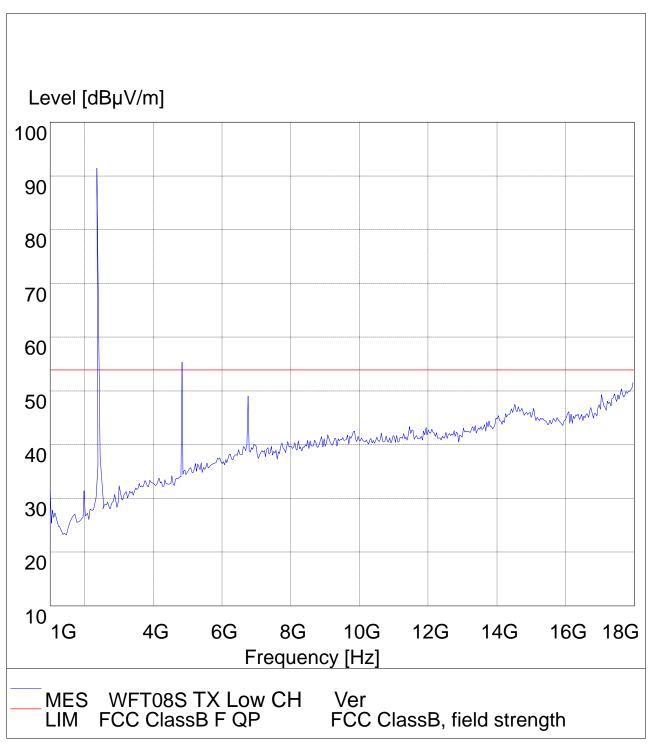


The report refers only to the sample tested and does not apply to the bulk.



Low Channel

Vertical



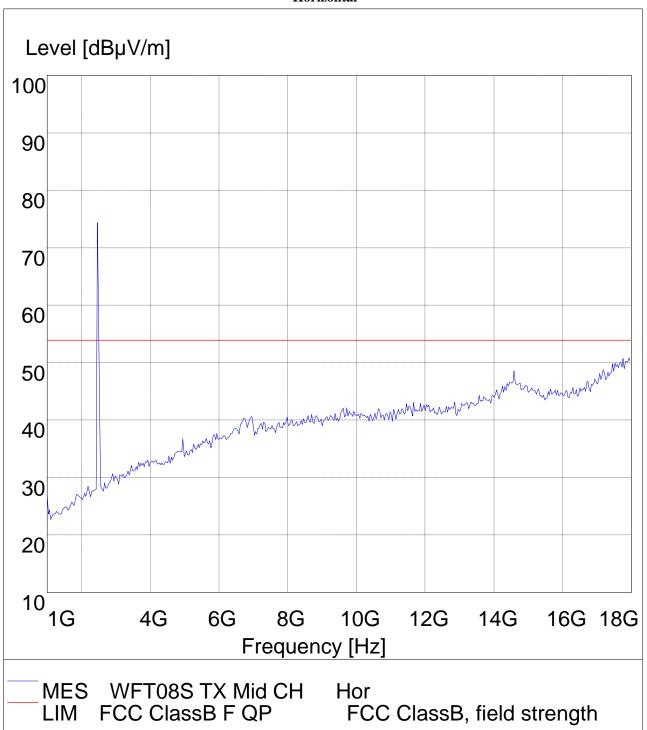
The report refers only to the sample tested and does not apply to the bulk.

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Middle Channel

Horizontal

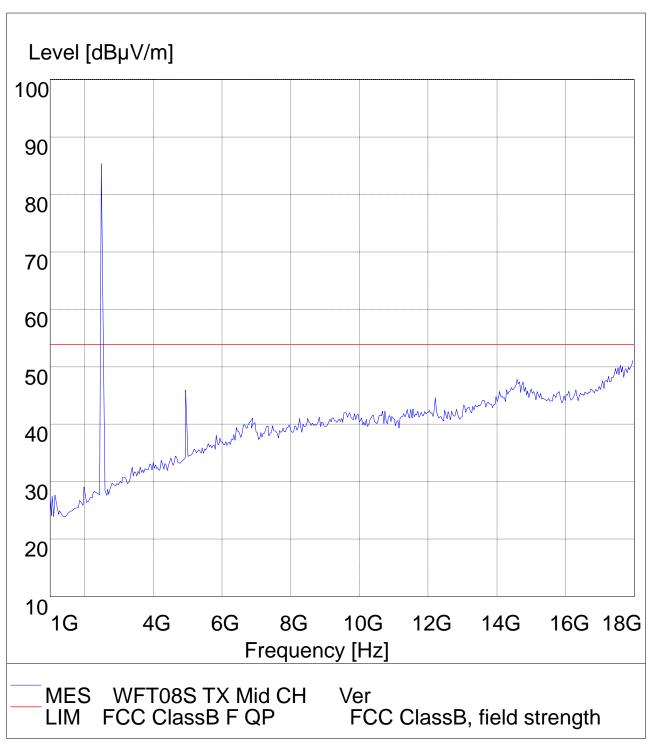


The report refers only to the sample tested and does not apply to the bulk.



Middle Channel

Vertical

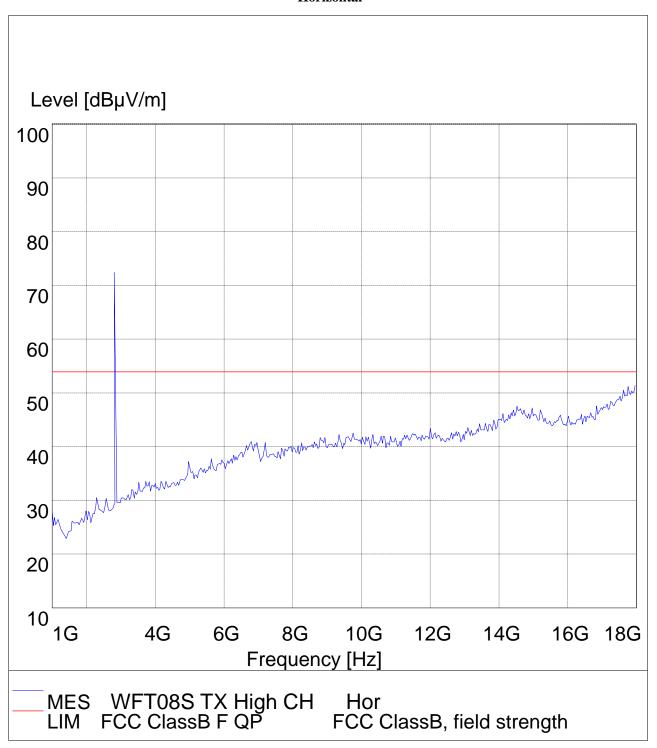


The report refers only to the sample tested and does not apply to the bulk.



High Channel

Horizontal



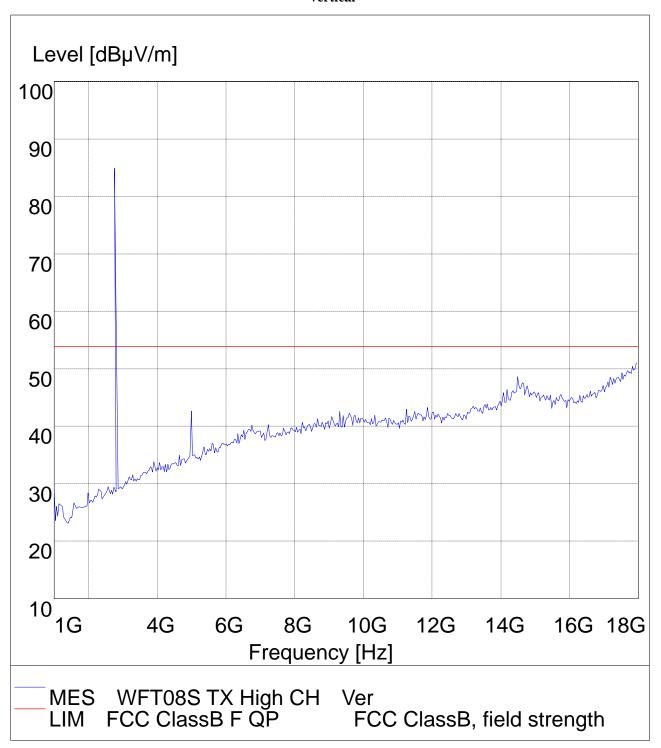
The report refers only to the sample tested and does not apply to the bulk.

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High Channel

Vertical



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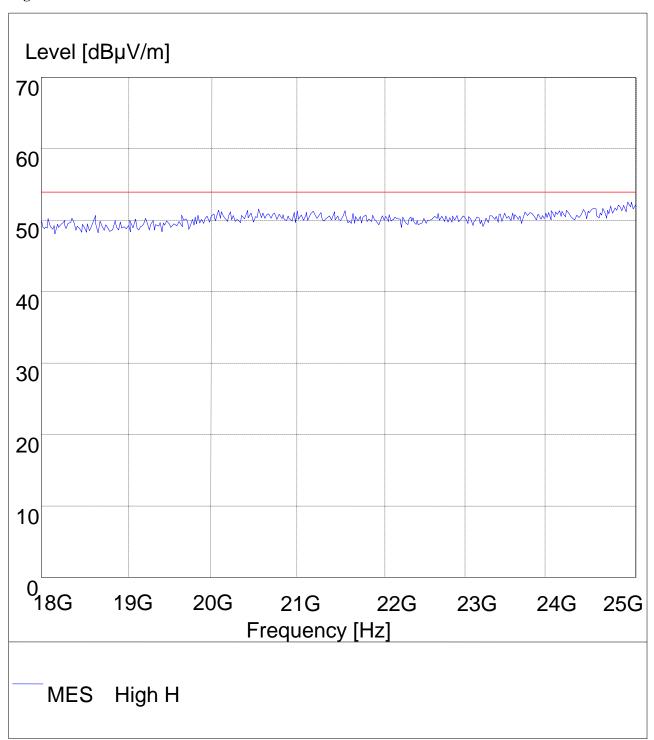
This report is issued in confidence to the client and it will be strictly treated as such by the Shenzhen Timeway Technology Consulting Co.,Ltd. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the Shenzhen Timeway Technology Consulting co.,Ltd to his customer. Supplier or others persons directly concerned. Shenzhen Timeway Technology Consulting co.,Ltd will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

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Report No: 0904213 Date: 2009-05-12



18-25G High Channel



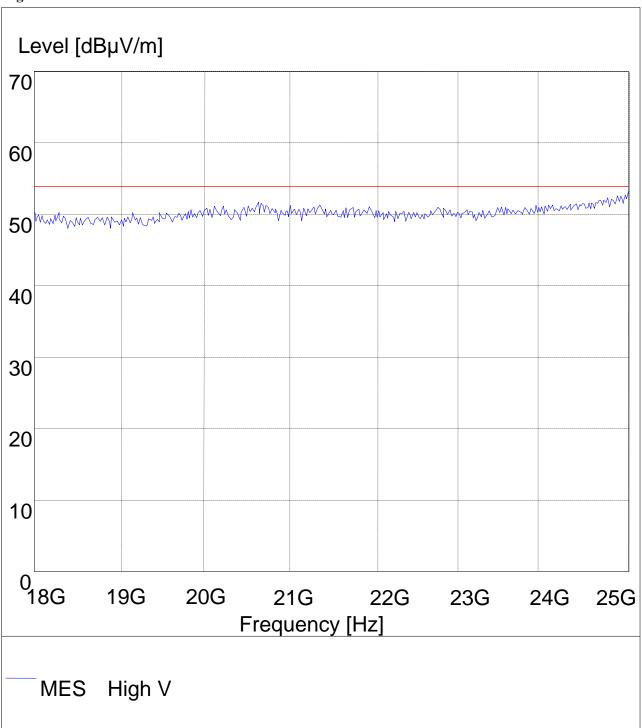
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18-25G

High Channel



Report No: 0904213

Date: 2009-05-12



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Test result

General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Low channel Model: WFT06X

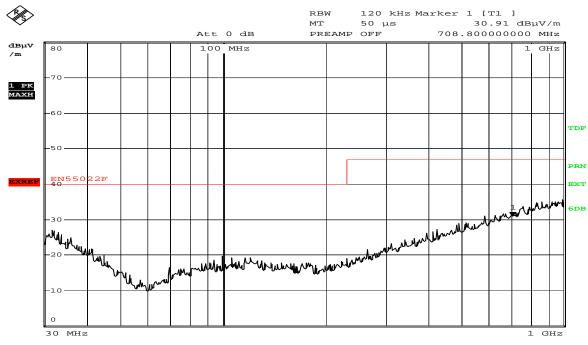
Results: Pass

Frequency (MHz)	Level@3m (dB \u03b4 V/m)	Antenna Polarity	Limit@3m (dB \(\mu \)V/m)
	1	Н	1
		V	

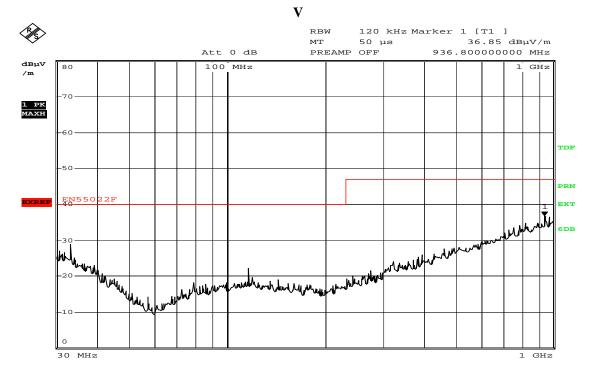


Test Figure: Low Channel

H







Date: 13.MAY.2009 22:54:09

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Middle Channel **EUT set Condition:**

WFT06X Model; **Results: Pass**

Date: 2009-05-12

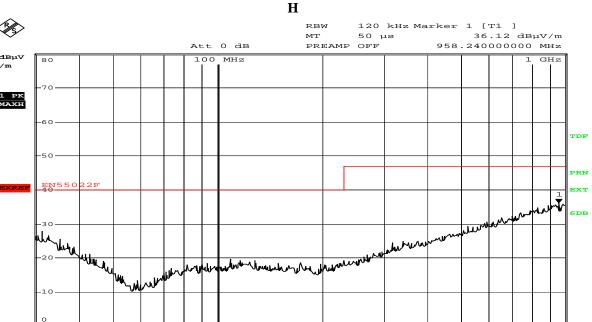
Frequency (MHz)	Level@3m (dB \u03bc V/m)	Antenna Polarity	Limit@3m (dB µ V/m)
	-	Н	1
		V	

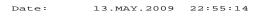
GHz

Report No: 0904213 Date: 2009-05-12

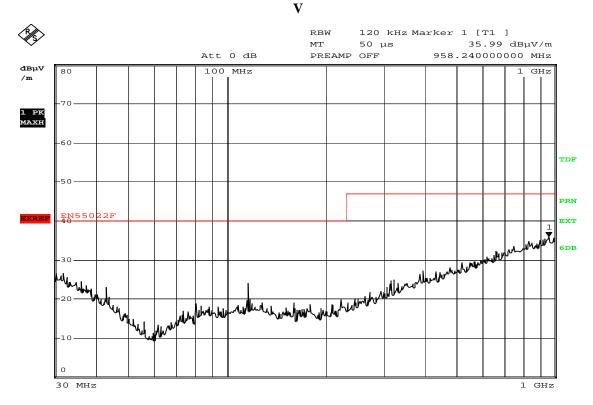


Test Figure: Middle Channel





30 MHz



Date: 13.MAY.2009 22:55:32

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Date: 2009-05-12

High Channel EUT set Condition: WFT06X

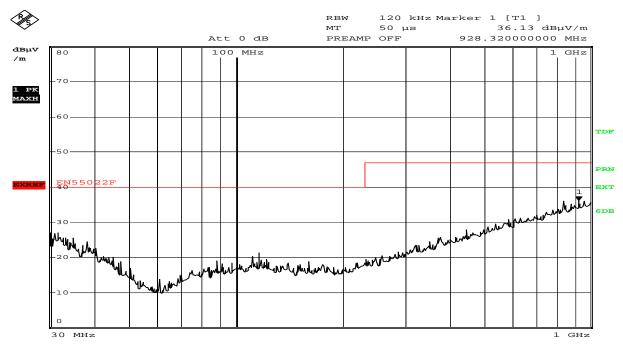
Model; **Results: Pass**

Frequency (MHz)	Level@3m (dB \u03bc V/m)	Antenna Polarity	Limit@3m (dB µ V/m)
	-	Н	1
		V	



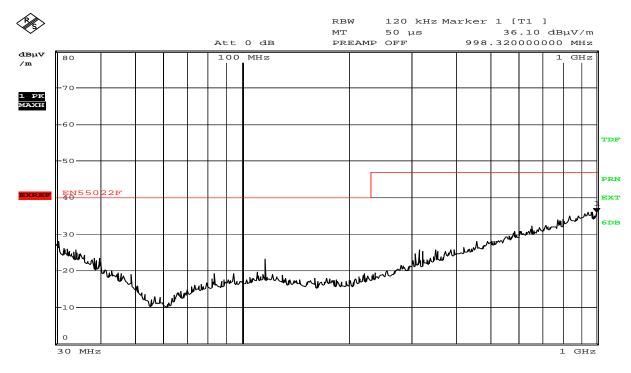
Test Figure: High Channel

Н



Date: 13.MAY.2009 22:56:15





Date: 13.MAY.2009 22:55:57

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EUT set Condition: Low Channel Model; WFT08S

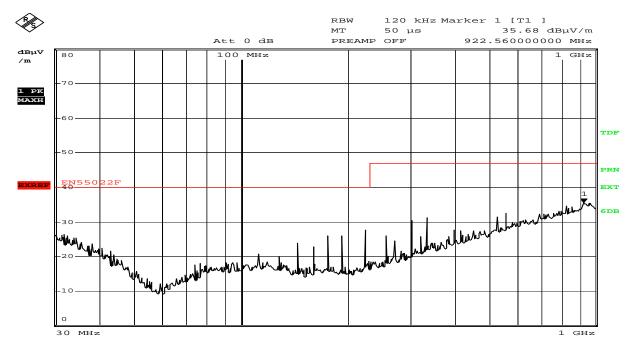
Results: Pass

Frequency (MHz)	Level@3m (dB \u03bc V/m)	Antenna Polarity	Limit@3m (dB µ V/m)
	1	Н	
		V	

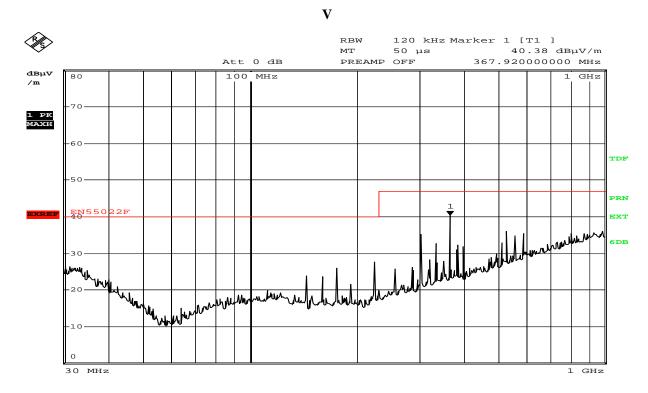


Test Figure: Low Channel

Η



Date: 13.MAY.2009 22:45:54



Date: 13.MAY.2009 22:47:21

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Date: 2009-05-12

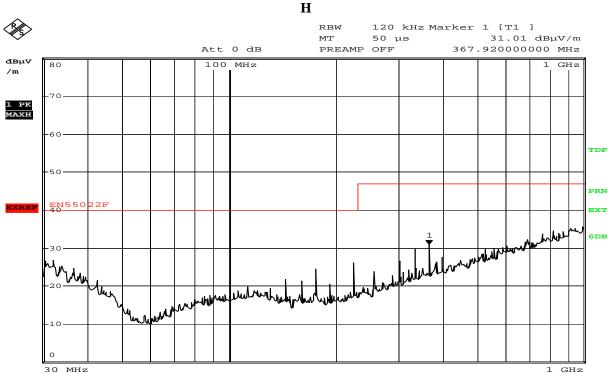
Middle Channel **EUT set Condition:**

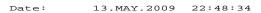
WFT08S Model; **Results: Pass**

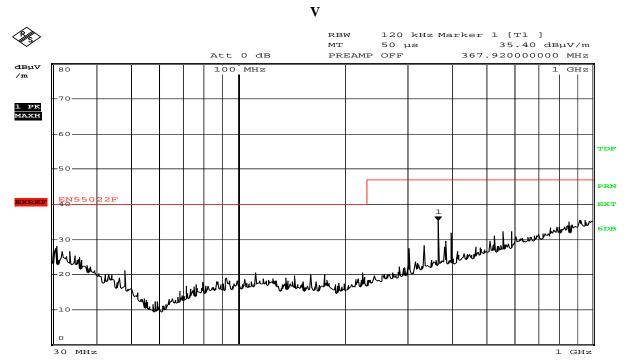
Frequency (MHz)	Level@3m (dB \u03bc V/m)	Antenna Polarity	Limit@3m (dB µ V/m)
-1	-	Н	1
		V	



Test Figure: Middle Channel







Date: 13.MAY.2009 22:48:49

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High Channel EUT set Condition: WFT08S Model;

Results: Pass

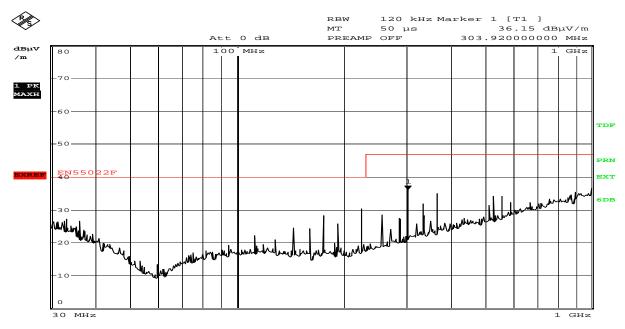
Date: 2009-05-12

Frequency (MHz)	Level@3m (dB \u03b4 V/m)	Antenna Polarity	Limit@3m (dB µ V/m)
	-	Н	1
		V	

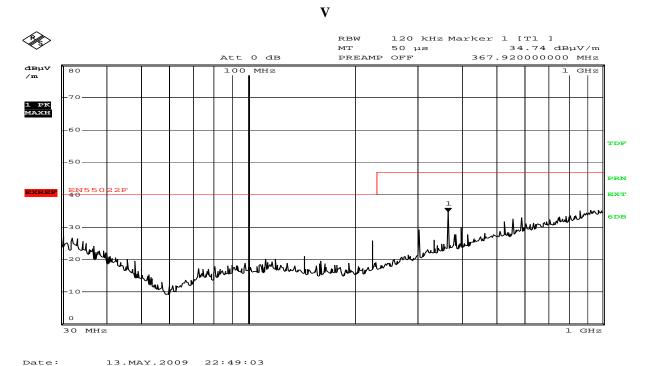


Test Figure: High Channel

H



Date: 13.MAY.2009 22:49:28



Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark "---" means that the emissions level is too low to be measured

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7. Band Edge

Band Edge Limit

In any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 50dB below that in the 100kHz, bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

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Toot Docult

Test Result			/		
Product:	Tran	smitter	Test Mode:	Low Cha	annel
			Model:	WFT0	6X
Mode	Keeping	Γransmitting	Input Voltage	DC12	2V
Temperature	24 0	deg. C,	Humidity	56% F	RH
Test Result:	F	Pass	Detector	PK	
2390MHz	PK (dBμV/m)	60.2(V)/55.6(H)	Limit	74(dBµ'	V/m)
2370WIIIZ	$AV(dB\mu V/m)$	36.4(V)/34.9(H)	Limit	54(dBμ'	V/m)
Test Figure only fo	r reference				
Ref Lvl 117 dB μ V	Marker 1	[T1] 104.25 dBμV 41184369 GHz	RBW 1 MI VBW 1 MI SWT 5 m:	Hz	20 dB $dB\mu V$
117		111101303 3112		<u> </u>	 1
110			v 1	[T1] 104.2	$5 \text{ dB}\mu\text{V}$
			∀2	[T1] 64.7 2.390000	$\frac{1}{\sqrt{1}} \frac{dB\mu V}{GHz}$
100					
90 1MAX					1MA
_D1 74 dB	3μV				
70				2 mily mily mily many mily many mily many mily many mily many mily many many many many many many many man	
60 Wylynyh				" 	
50 47 111	╏╏╏╎╴╏╵╸╏╹╸╏ ┞ ┃	 	+ + + +		
40					
30					
20 17					
Start 2.3 Date: 06.		11 M⊢ 36:03	lz/	Stop 2.	42 GHz

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Report No: 0904213 Date: 2009-05-12

	1		_/\\	<i>r</i>			
Product:	Tran	smitter		est Mode:	Hi	gh Channel	
				Model:	1	WFT06X	
Mode	Keeping Transmitting		Inpu	t Voltage		DC12V	
Temperature	24 0	deg. C,	Hun	nidity	56% RH		
Test Result:	I	Pass]	Detector		PK	
2483.5MHz	PK (dBμV/m)	58.5(V)/54.8	(H)	Limit	74	$4(dB\mu V/m)$	
2463.3WITIZ	$AV(dB\mu V/m)$	36.2 (V)/34.9	(H)	LIIIII	54	$4(dB\mu V/m)$	
Ref Lvl 117 dBμV	Marker 1	l [T1] 100.46 dB, 46963928 GH		1 M⊢	łz	t 20 dB dBμV	
117				v ₁	[T1] 1	100.46 dBμV	
100		1		∇2	[T1] 2.48	62.09 dBµV 3350000 GHz	
90							
1MAX						1MA	
	3μν		· ·				
60 <u>4444</u> /			-Juvu	War Jang	Na		
50				ľ	May		
40	U U *						
30							
20 17 Start 2.4	5 GHz	Ę	i MHz/		St	op 2.5 GHz	
	.MAY 2009 23:					· 	

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	T	13/2	<u>/>/</u>	
Product:	Tran	smitter	Test Mode:	Low Channel
			Model:	WFT08S
Mode	Keeping 7	Transmitting	Input Voltage	DC12V
Temperature	24 0	deg. C,	Humidity	56% RH
Test Result:	I	Pass	Detector	PK
22001411	PK (dBμV/m)	62.1(V)/57.6(H)	T 1 1	74(dBµV/m)
2390MHz	AV(dBμV/m)	37.1(V)35.2(H)	Limit	54(dBµV/m)
Test Figure only fo	or reference		1	
Ref Lvl 117 dBμ\	Marker 1	l [T1] 104.81 dBμV .41184369 GHz	RBW 1 MI VBW 1 MI SWT 5 ms	Hz
117			▼ 1	[T1] 104.81 dBμV
100			∇2	[T1] 66.06 dBμV 2.39000000 GHz
90				
1MAX 80				1MA
	3μV			Jornan Jan
50			WILLIAM WWW.	
50	Market Ma		l l	
40				
30				
20				
Start 2.3 Date: 06		11 MH 21:45	lz/	Stop 2.42 GHz

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D 1 .				. 3.6. 1	1	II: 1 C	1 1	
Product:	Tra	nsmitter	_	t Mode:		High C		
			Model:		WFT08S			
Mode		Transmitting		Voltage	DC12V			
Temperature	24	24 deg. C,		dity		56%	RH	
Test Result:		Pass	De	etector		Pl	K	
2483.5MHz	PK ($dB\mu V/m$)	54.4(V)/50.8(H)		Limit		74(dB ₁	uV/m)	
2463.3WITZ	$AV(dB\mu V/m)$	33.7 (V)/32.6(H)	_ '	LIIIII		54(dB ₁	μV/m)	
Ref Lvl 117 dB μ V	Marker 2	1 [T1] 95.94 dBμV .46963928 GHz	RBW VBW SWT	1 MH 1 MH 5 ms	Z	- Att	20 dB dBμV	
117				▼ 1 [T1]	95.	94 dB μ V	A
100				∇2 [Τ1]	58. 2.48350	91 dBµV 000 GHz	
90								
1MAX 80								1MA
—D1 74 dE	3μ V							
60	man from		Mayou	may 2				
50				· ·······	mm	muly	that you had	
40						,		
30								
20								
17	F CU-	- M				C 1	0 [[
Start 2.4 Date: 06		5 MH :25:40	<i>L</i> /			Stop	2.5 GHz	

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8.0 Antenna Requirement

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

An RF cable connected the IPX connector with the dipole antenna For WFT06X
A dipole antenna with Reverse-polarity SMA connector for WFT08S
Both of the dipole antennas are the same type and manufactured by the same manufacture. The antenna gain is 2.0dB.

Test Result: Pass

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Temperature 24 deg. C, However the Pass dB Bandwidth 1.4128MHz Marker 1 [T1 ndB] R Ref Lvl ndB 20.00 dB V	Model: est Voltage fumidity Detector RBW 100 kHz //BW 100 kHz GWT 100 ms	WFT06X DC12V 56% RH PK RF Att 20 dB Unit dBμV
Temperature 24 deg. C, Horizontal Pass dB Bandwidth 1.4128MHz Marker 1 [T1 ndB] R ndB 20.00 dB V 117 dBμV BW 1.41282565 MHz S 117 110 110 110 110 110 110 11	Detector RBW 100 kHz //BW 100 kHz	56% RH PK RF Att 20 dB Unit dBμV
Test Result: dB Bandwidth 1.4128MHz Marker 1 [T1 ndB] R ndB 20.00 dB V 117 dBμV BW 1.41282565 MHz S 117 110 110 110 110 110 110 11	Detector RBW 100 kHz /BW 100 kHz	RF Att 20 dB Unit dBμV
Marker 1 [T1 ndB] R Ref Lvl ndB 20.00 dB V 117 dBμV BW 1.41282565 MHz S 117 110 100 90 1MAX	18W 100 kHz /BW 100 kHz	RF Att 20 dB Unit dBμV
Ref Lvl ndB 20.00 dB V 117 dBµV BW 1.41282565 MHz 5	/BW 100 kHz	Unit dBμV
117 110 100 90 1MAX		
90 1MAX 80 Time		
90 1MAX 80 Time	and the same of th	
1MAX T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	war war	
1MAX T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	we we	1
70 Library		1
70 Umania de la compania del compania del compania de la compania del compania del compania de la compania del compania de	Į,	
70 Manual	**	<u>,</u> 2
many many many		My My
60 ***		Work was
50		
40		
30		
20 17 Center 2.412 GHz 300 kHz/		Span 3 MHz

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Product:	Radio Control S	System	-	t Mode:	Middle Channel		
Mode	Keeping Transmitting 24 deg. C,		Test V	Model:	WFT06X DC6V		
Temperature			Humie			56% RH	
Test Result:	Pass	,		etector		PK	
0dB Bandwidth	1.3828MH	[z					
Ref Lvl 117 dBμV		ndB] 20.00 dB 26553 MHz	RBW VBW SWT	100 kH; 100 kH; 100 ms		: 20 dB dB <i>µ</i> V	
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110						A	
100				1			
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60						Mu	
50							
40							
30							
20 17 Center 2.438		300				Span 3 MHz	

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Product:	Radio C	Control System		t Mode:	High Channel		
Mode	Keenin	Keeping Transmitting		Model: Voltage	WFT06X DC6V		
Temperature		4 deg. C,	Humi			5% RH	
Test Result:		Pass		etector		PK	
0dB Bandwidth	1.5	5331MHz					
Ref Lvl 117 dBμV	ndB	1 [T1 ndB] 20.00 d 1.53306613 M		100 kHz 100 kHz 100 ms		20 dB dB <i>μ</i> V	
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17 L Center 2.47	GHz	3	00 kHz/	<u> </u>	<u> </u>	pan 3 MHz	•

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.0 20dB Bandwidth N	Measurement								
Product: Radio Control System Mode Keeping Transmitting Temperature 24 deg. C,		Test Mode:			Low Channel				
			N	Iodel:	WFT08S				
		Test V	oltage	DC12V 56% RH					
		Humio	dity						
Test Result:	Pass		Detector			PK			
20dB Bandwidth	1.5030MHz					-	-		
Ref Lvl $117~\mathrm{dB}\mu\mathrm{V}$	Marker 1 [T1 ndB 20 BW 1.50300	RBW VBW SWT	100 k 100 k 100 m	Hz			0 dB $_{\mu}$ V		
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Center 2.412		300 k	(Hz/			Spa	an 3 MHz		
ate: O6.MA	Y 2009 23:11:36								

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Product: Radio Control System Mode Keeping Transmitting Temperature 24 deg. C,		Test Mode: Model:			Middle Channel					
		Test V			WFT08S DC6V 56% RH					
		Humio								
Test Result:		Pass			etector		PK			
OdB Bandwidth	1.4	910MHz	MHz							
Ref Lvl 117 dBμV	Marker 1 [T1 ndB] ndB 20.00 dB BW 1.49098196 MHz			RBW VBW SWT	100 k 100 k 100 m	Hz	7		dB μ V	
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110									-	
100		1								
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60										
50										
40										
30										
20 17 Center 2.438			300 k					an 3 MHz	}	

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Product: Radio Control System Mode Keeping Transmitting		Test Mode:			High Channel					
		_	Iodel:		WFT08S DC6V					
		Test V								
Temperature				Humio			56% RH			
Test Result:		Pass		De	etector		PK			
OdB Bandwidth	1.5	5451MHz								
Ref Lvl	Marker 1 [T1 ndB] ndB 20.00 dB			RBW VBW	100 k	Hz	Z		0 dB	
$117 \text{ dB}\mu\text{V}$	BW 1.54509018 MHz			SWT	100 m	is U	nit	dBμV		
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Center 2.47	GHz		300 k	Hz/		-	Sp	an 3 MHz	-	

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Report No: 0904213 Date: 2009-05-12



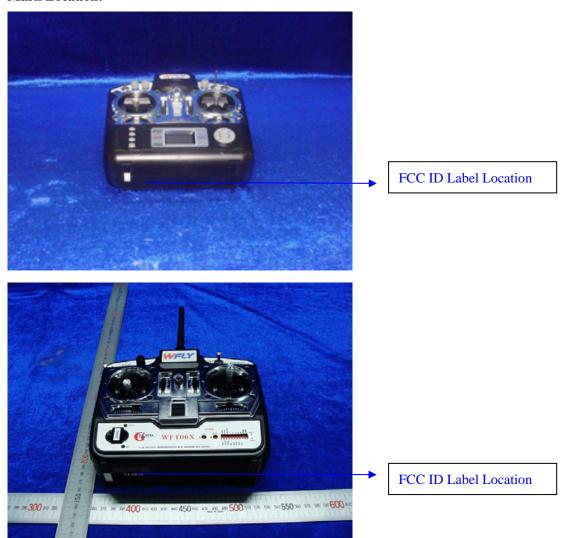
10.0 FCC ID Label

FCC ID: TZVWFT06XWFT08S

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



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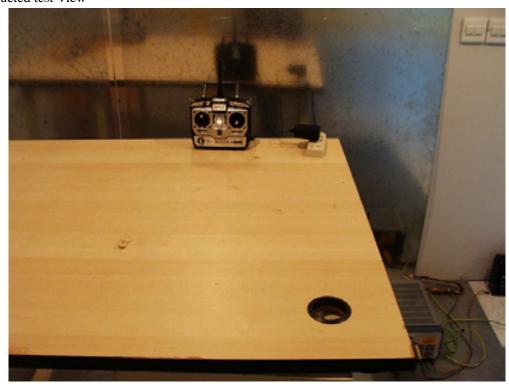
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Report No: 0904213 Date: 2009-05-12



11.0 Photo of testing

11.1 Conducted test View—



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11.2 Radiated emission test view





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Report No: 0904213 Date: 2009-05-12



11.3 Photo for the EUT

Outside View (WFT06X)





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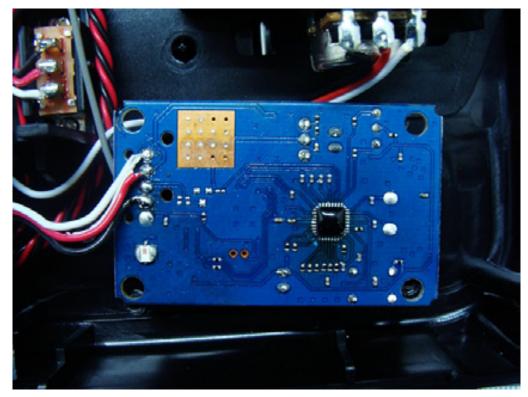
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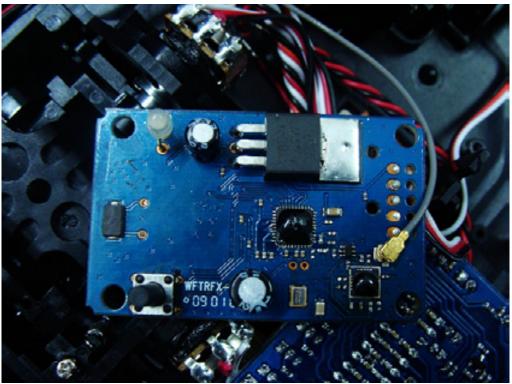


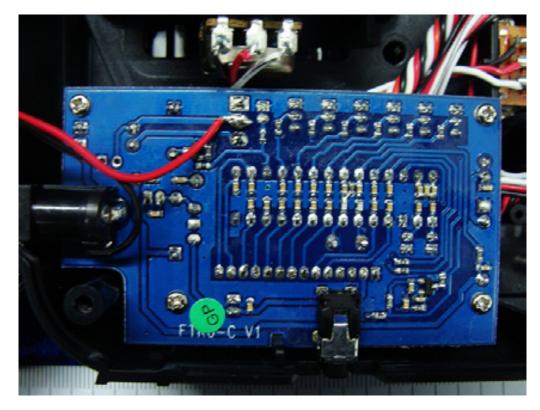


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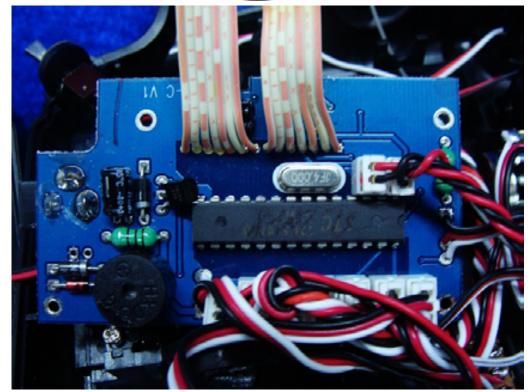


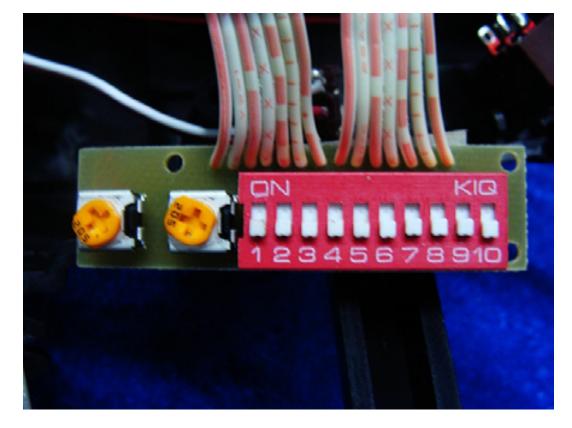


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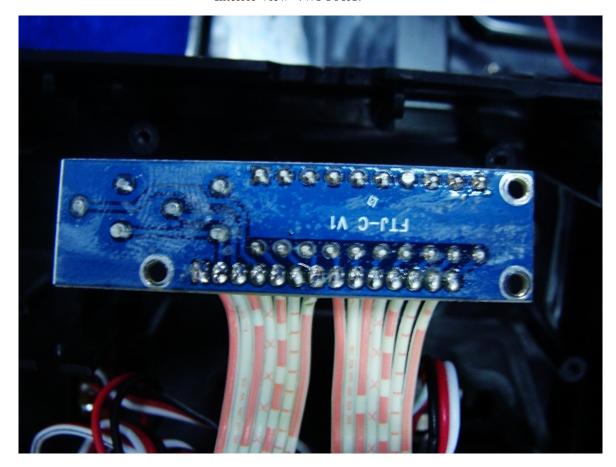
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Interior View (WFT06X)









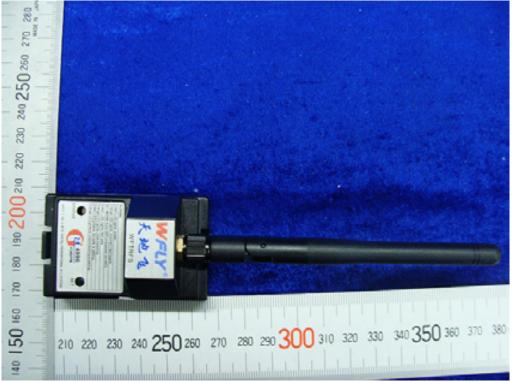
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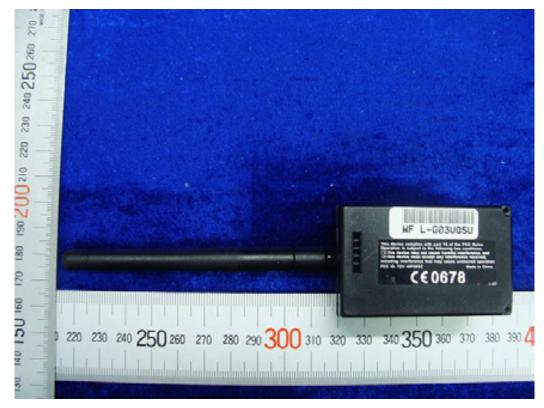
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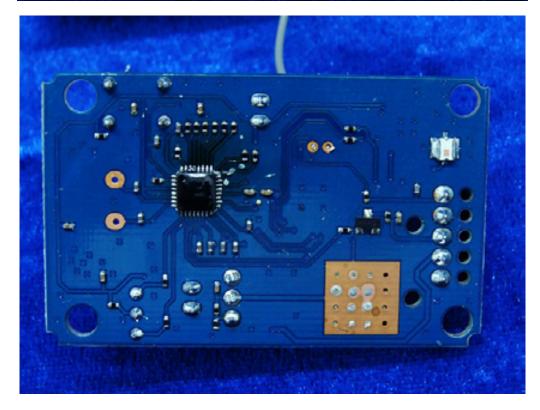
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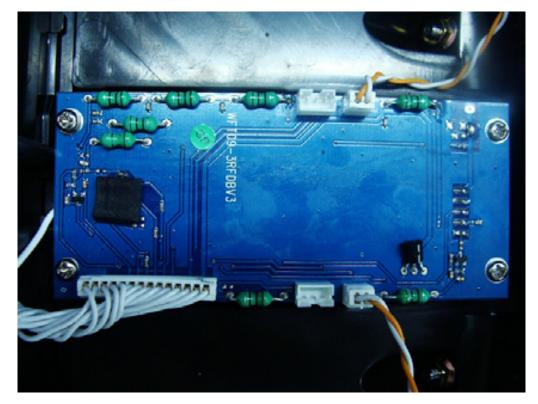


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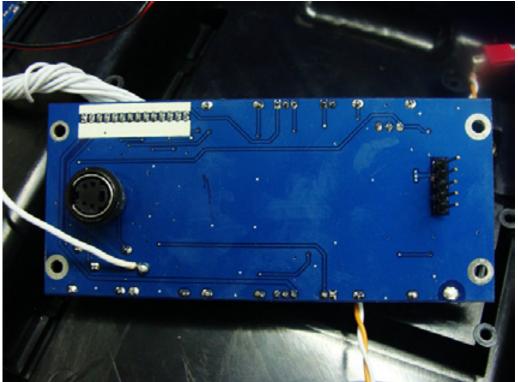




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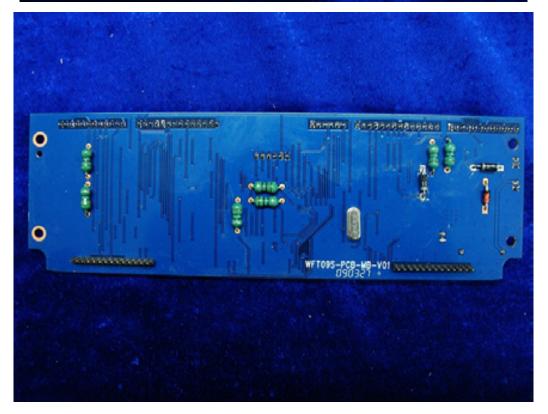


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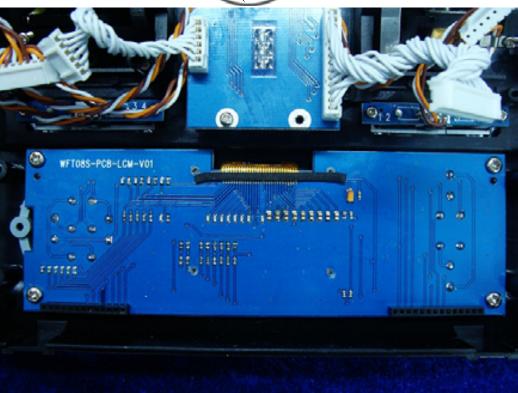
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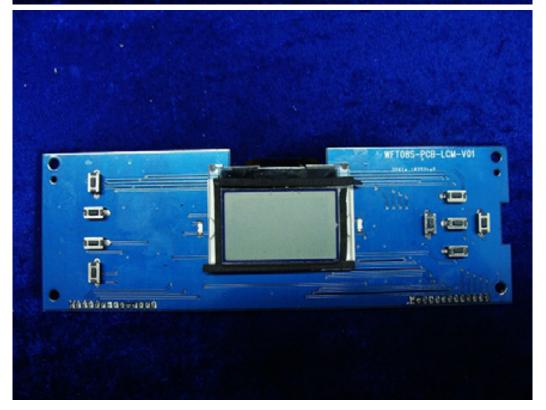
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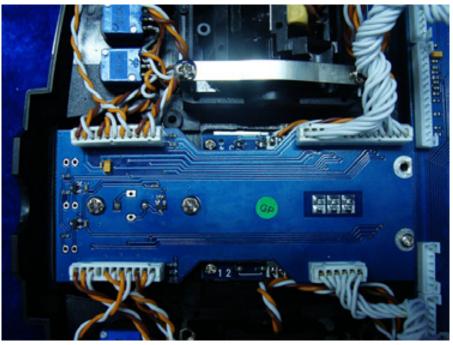
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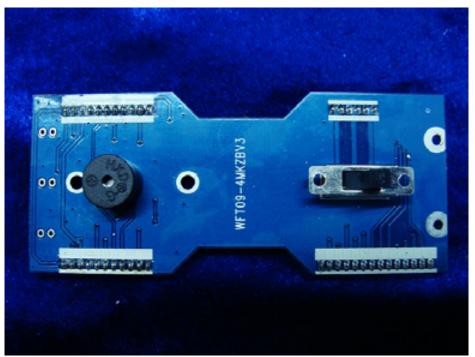
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