

**FCC PART 15.247**  
**MEASUREMENT AND TEST REPORT**  
For

EUT Name: Wireless Photo Frame  
Item No.: PXT408WR01; PXT408WT01;  
PXT410WR01; PXT410WT01  
FCC ID: YHO-PXT408410  
Serial No.: Not supplied by client

Prepared for : Spheris Digital Ltd.  
Flat Room A21, BLK a, 4/F, Sheung Shui Plaza, 3ka fu close,  
Sheung Shui, Hong Kong  
Prepared by : Shenzhen Toby Technology Co., Ltd.  
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Report Number : **TB-F107004**  
Date of Test : May 31-June 02, 2010  
Date of Report : June 21, 2010

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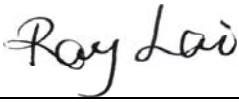


## TEST REPORT DECLARATION

Applicant : Spheris Digital Ltd.  
 Manufacturer : Spheris Digital Ltd.  
 EUT Description : Wireless photo frame  
 Model No. : PXT408WR01; PXT408WT01;  
                   PXT410WR01; PXT410WT01

The device described above is tested by Bontek Compliance Testing Laboratory Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits for both radiation and conduction emissions.

The measurement results are contained in this test report and Shenzhen Toby Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliant with the FCC official limits.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Shenzhen Toby Technology Co., Ltd.

Reported by:	 <hr style="width: 100%;"/> (Ray Lai)	Date:	June 21, 2010 <hr style="width: 100%;"/>
Reviewer:	 <hr style="width: 100%;"/> (Jacky Wang)	Date:	June 22, 2010 <hr style="width: 100%;"/>
Approved by:	 <hr style="width: 100%;"/> (Justin Zhang)	Date:	June 22, 2010 <hr style="width: 100%;"/>

## 1. GENERAL INFORMATION

### 1.1. Product Description for Equipment Under Test (EUT)

#### Client Information

Applicant : Spheris Digital Ltd.  
Address : Flat Room A21, BLK a, 4/F, Sheung Shui Plaza, 3ka fu close,  
Sheung Shui, Hong Kong  
Manufacturer : Spheris Digital Ltd.  
Address : Flat Room A21, BLK a, 4/F, Sheung Shui Plaza, 3ka fu close,  
Sheung Shui, Hong Kong

**General Description of E.U.T**

Equipment	Wireless Photo Frame	
Trade Mark	Pix-Star	
Model Name	PXT408WR01	
Other Model Name	PXT408WR01; PXT408WT01; PXT410WR01; PXT410WT01	
Model Difference	All above models are identical in schematic, structure and critical components except for different model number and appearance; We choose PXT408WR01 for test.	
Product Description	The EUT is Wireless Photo Frame	
	Operation frequency:	2412~2462 MHz
	Modulation Type:	802.11b:CCK, QPSK, BPSK 802.11g:OFDM
	Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6Mbps
	Number Of Channel	Please see Note 2.
	Antenna Designation:	Please see Note 3.
	Antenna Gain(Peak)	Please see Note 3.
	Output Power:	802.11b: 11.36 dBm (Max.) 802.11g: 10.62 dBm (Max.)
Channel List	Please refer to the Note 2.	
Power Source	DC Voltage supplied from AC/DC adapter. Model name:GFP151U-050250B-1 Brand name: GME	
Power Rating	I/P 100-240V~ 50/60Hz, 0.36A O/P 5.0 V, 2.5A	
Products Covered	N/A	
Connecting I/O Port(s)	Please refer to the User's Manual	

## Note:

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

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	5	2432	9	2452
2	2417	6	2437	10	2457
3	2422	7	2442	11	2462
4	2427	8	2447		

## 3. Antenna description.

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Sky Wave	HF1100	Embedded	U.FL	2.0

## 1.2. 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.

For Conducted Test	
Final Test Mode	Description
Mode 1	WIFI MODE

For Radiated Test	
Final Test Mode	Description
Mode 2	TX B MODE CHANNEL 01//06/11
Mode 3	TX G MODE CHANNEL 01/06/11

Note:

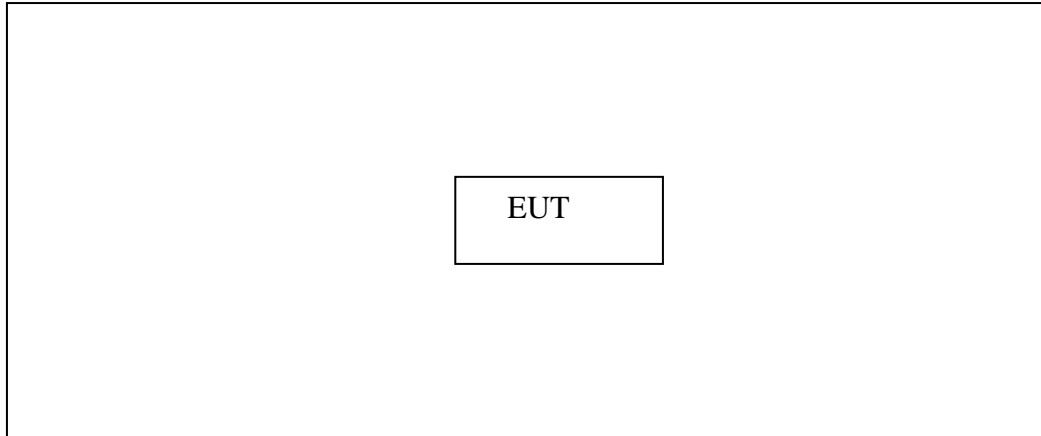
- (1) The measurements are performed at the highest, middle, lowest available channels.

## 1.3. Description of Test Software Setting

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of WLAN.

Test software Version	Test Program: LABTOOL		
	2412 MHz	2437 MHz	2462 MHz
IEEE 802.11b DSSS	14	14	14
IEEE 802.11g OFDM	14	14	14

#### 1.4. Block Diagram Showing The Configuration of System Tested



#### 1.5. Accessories Equipment List and Details

Manufacturer	Description	Model	Serial Number
/	/	/	/

#### 1.6. EUT Cable List and Details

Cable Description	Length (M)	Shielded/ Unshielded	With Core/ Without Core
/	/	/	/

#### 1.7. Test Location

##### FCC – Registration No.: 338263

BONTEK ELECTRONIC TECHNOLOGY 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 338263, March, 2008.

Bontek Compliance Testing Laboratory Ltd

Address: 1/F, Block East H-3, OCT Eastern Ind. Zone Qiaocheng East Road, Nanshan, Shenzhen, 518055 China



## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

<b>FCC Part15 (15.247) , Subpart C</b>			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247(d)	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	6dB Bandwidth	PASS	
15.247(b)(3)	Peak Output Power	PASS	
15.209/15.205	Radiated Spurious Emission	PASS	
15.247(e)	Power Spectral Density	PASS	
15.203	Antenna Requirement	PASS	

### **3. ANTENNA REQUIREMENT**

#### **3.1. Standard Applicable**

According to FCC 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. 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.

#### **3.2. Test Result**

This product has a permanent antenna, fulfill the requirement of this section.

## 4. CONDUCTED EMISSION

The EUT is a placed on as turn table which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4-2003. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.

### 4.1. Power Line Conducted Emission Limit

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard
	Quasi-peak	Average	Quasi-peak	Average	
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	73.00	60.00	56.00	46.00	CISPR
5.0 -30.0	73.00	60.00	60.00	50.00	CISPR

0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	73.00	60.00	56.00	46.00	FCC
5.0 -30.0	73.00	60.00	60.00	50.00	FCC

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.

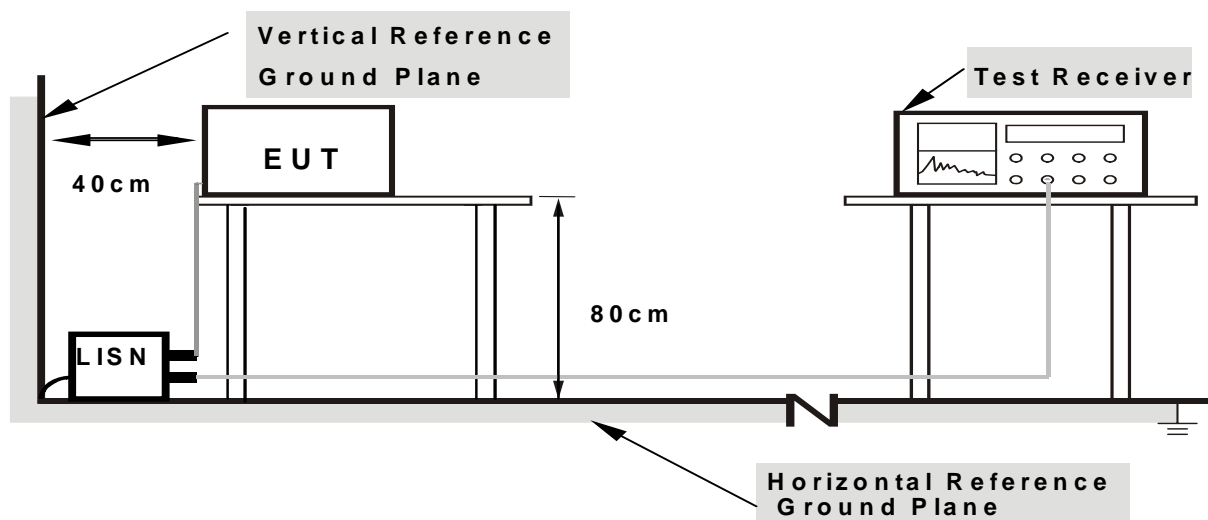
### 4.2. Test Equipment List and Details

Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Date
EMI Test Receiver	ROHDE& SCHWARZ	ESC30	DE25181	2009-10-11	2010-10-11
50ΩCoaxial Switch	Anritsu	MP59B	X10321	2009-10-11	2010-10-11
L.I.S.N	EMCO	3624/1	00063417	2009-10-11	2010-10-11
L.I.S.N	EMCO	3624/1	00063417	2009-10-11	2010-10-11

### 4.3. Test Procedure

- (1) 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.
- (2) 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.
- (3) 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.
- (4) LISN at least 80 cm from nearest part of EUT chassis.
- (5) For the actual test configuration, please refer to the related Item –EUT Test Photos.

### 4.4. Test SET-UP



- Note:**
1. Support units were connected to second LISN.
  2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

**4.5. Test Results**

E.U.T :	Wireless Photo Frame	Model Name :	PXT408WR01
Temperature :	23 °C	Relative Humidity :	51 %
Terminal	Line		
Test Voltage :	AC 120 V / 60Hz		
Test Mode :	WIFI MODE		

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1980	31.85	20.97	52.82	63.69	-10.87	QP	
2		0.3620	27.94	21.05	48.99	58.68	-9.69	QP	
3	*	0.4380	27.81	21.09	48.90	57.10	-8.20	QP	
4		2.0900	21.11	20.81	41.92	56.00	-14.08	QP	
5		6.6380	18.00	20.20	38.20	60.00	-21.80	QP	
6		25.3140	20.20	19.86	40.06	60.00	-19.94	QP	

**Conducted Emission Measurement**

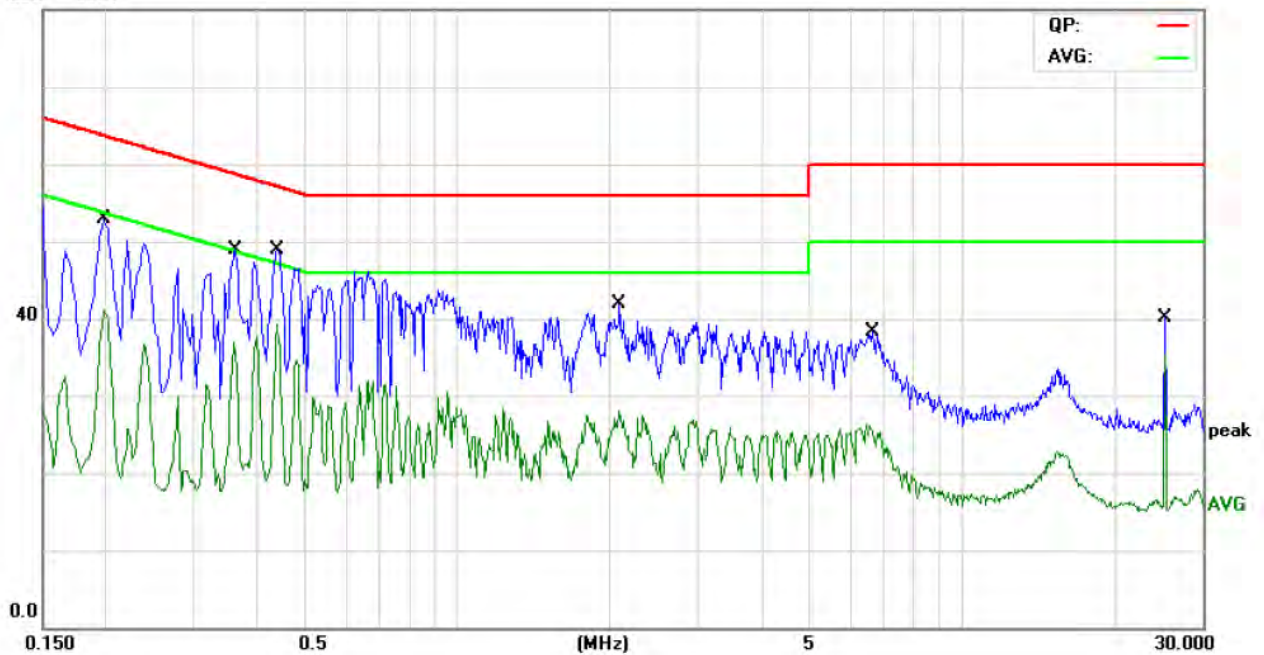
File :shuma

Data :#4

Date: 2010-6-9

Time: 13:55:24

80.0 dBuV



E.U.T :	Wireless Photo Frame	Model Name :	PXT408WR01
Temperature :	23 °C	Relative Humidity :	51 %
Terminal	Neutral		
Test Voltage :	AC 120 V / 60Hz		
Test Mode :	WIFI MODE		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1980	32.21	21.07	53.28	63.69	-10.41	QP	
2	*	0.4420	27.73	21.11	48.84	57.02	-8.18	QP	
3		0.9260	23.69	20.98	44.67	56.00	-11.33	QP	
4		3.2100	18.12	20.64	38.76	56.00	-17.24	QP	
5		6.5380	18.34	20.20	38.54	60.00	-21.46	QP	
6		25.3140	20.05	19.91	39.96	60.00	-20.04	QP	

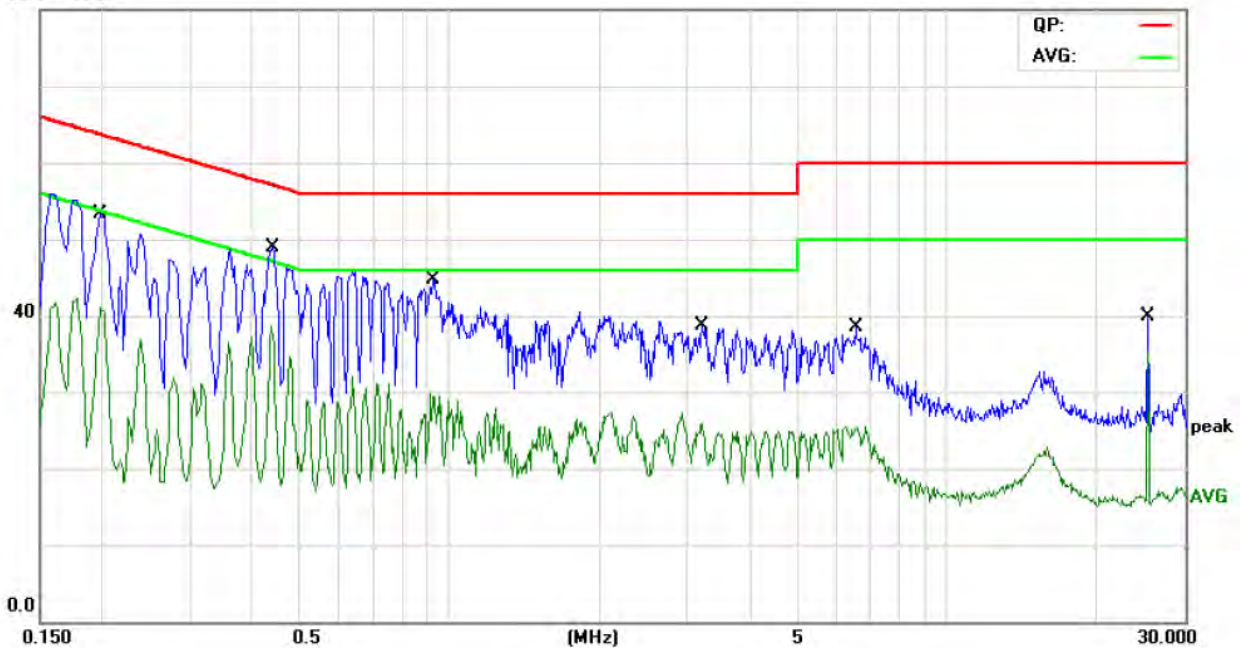
**Conducted Emission Measurement**

File :shuma  
80.0 dBuV

Data :#3

Date: 2010-6-9

Time: 13:49:00



## 5. RIATED EMISSION

### 5.1. Radiated Emission Limits(Frequency Range 9KHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micovolts/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

### LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80	60	74	54

Note:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

## FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 <sup>th</sup> harmonic of the highest frequency or 40 GHz, whichever is lower

## 5.2. Test Equipment List and Details

Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Date
Spectrum Analyzer	ROHDE& SCHWARZ	FSEA20	DE25181	2009-08-12	2010-08-11
Positioning Controller	C&C	CC-C-1F	N/A	2009-08-12	2010-08-11
Trilog Broadband Antenna	SCHWARZBECK	VULB9163	9163-333	2009-07-21	2010-07-20
Horn Antenna	SCHWARZBECK	BBHX 9120	9120-426	2009-07-21	2010-07-20
RF Switch	EM	EMSW18	SW060023	2009-08-12	2010-08-11
Amplifier	Agilent	8447F	3113A06717	2009-08-12	2010-08-11
Coaxial Cable	SCHWARZBECK	AK9513	9513-10	2009-08-12	2010-08-11
EMI Test Receiver	ROHDE& SCHWARZ	ESPI	25498514	2009-08-12	2010-08-11
EMI Test Receiver	ROHDE& SCHWARZ	ESI26	838786/103	2009-08-12	2010-08-11
Receiver Horn Antenna	ROHDE& SCHWARZ	HF906	100013	2009-08-12	2010-08-11

**Statement of Traceability:** All calibrations have been performed per the NVLAP requirements traceable to the NIST.

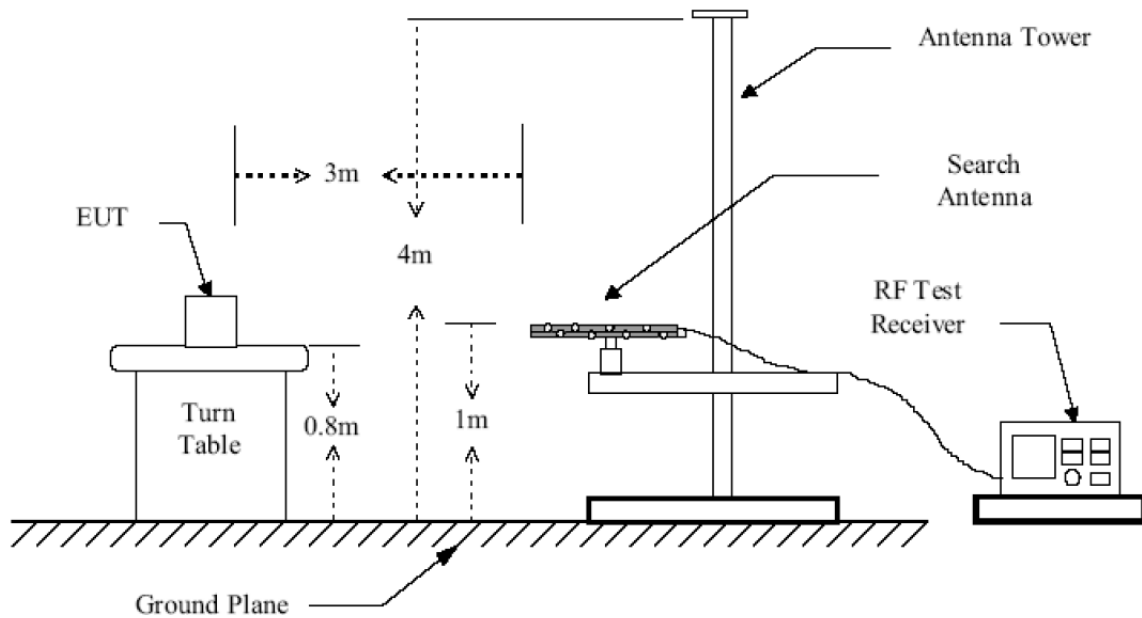


### 5.3. Test Procedure

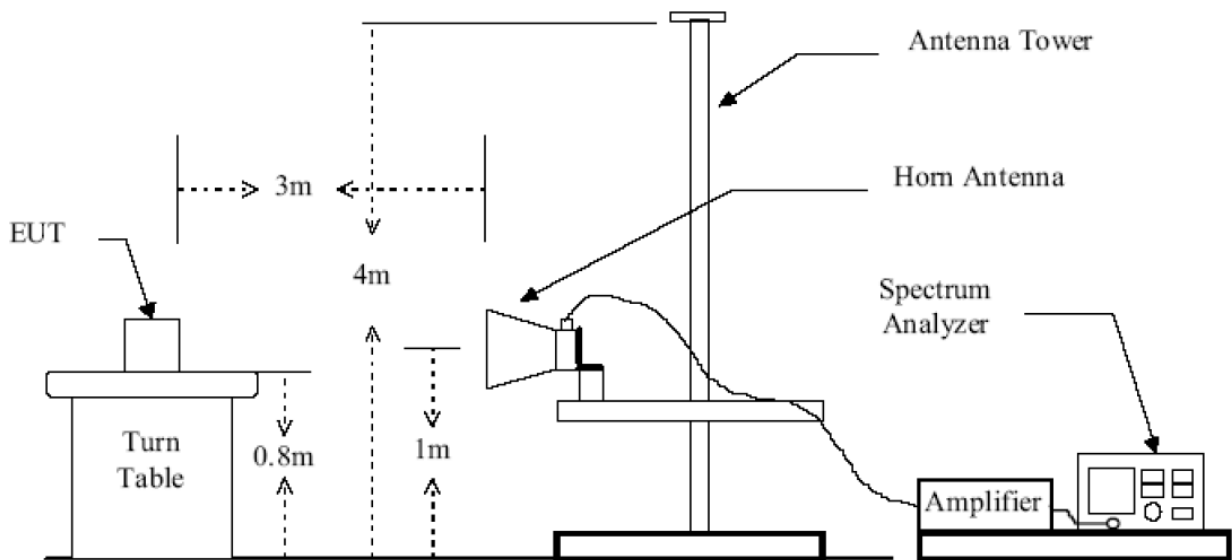
- (1) The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- (2) The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) 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. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- (4) 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.
- (5) 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.
- (6) For the actual test configuration, please refer to the related Item –EUT Test Photos

### 5.4. Test SET-UP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz

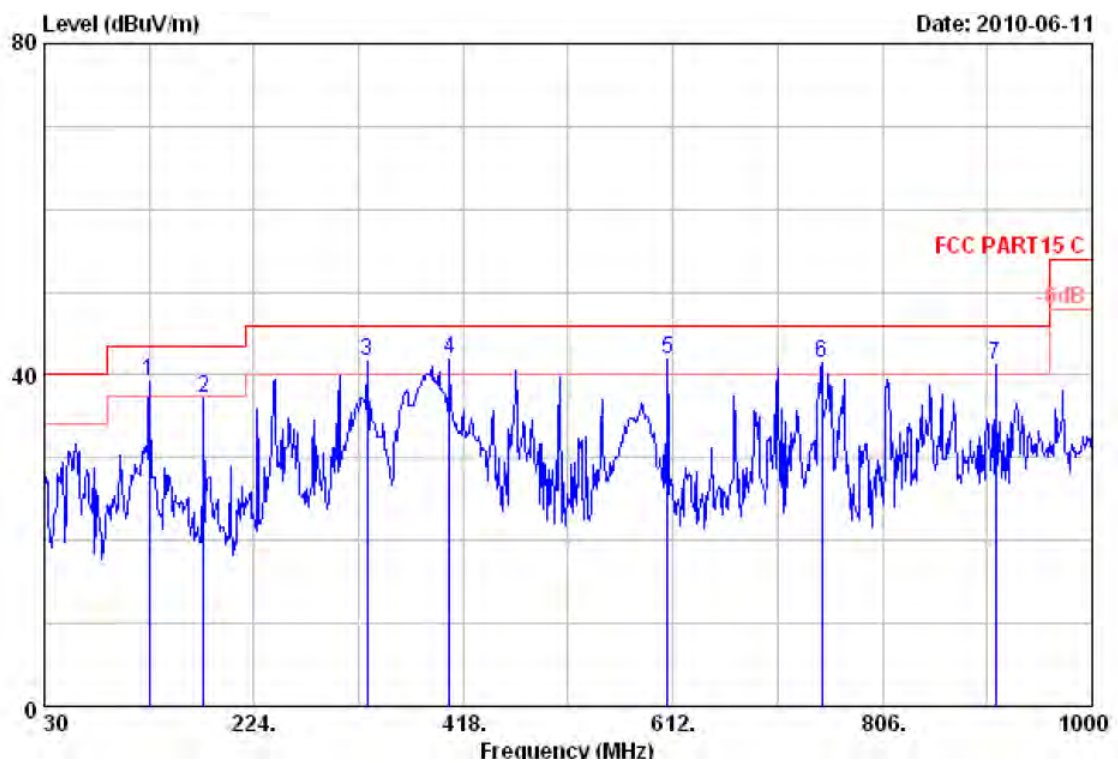


(B) Radiated Emission Test Set-Up Frequency Above 1 GHz



5.5. Test Results(Bellow 1G)

EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Antenna H/V :	Horizontal		
Test Mode :	TX B MODE CHANNEL 01		

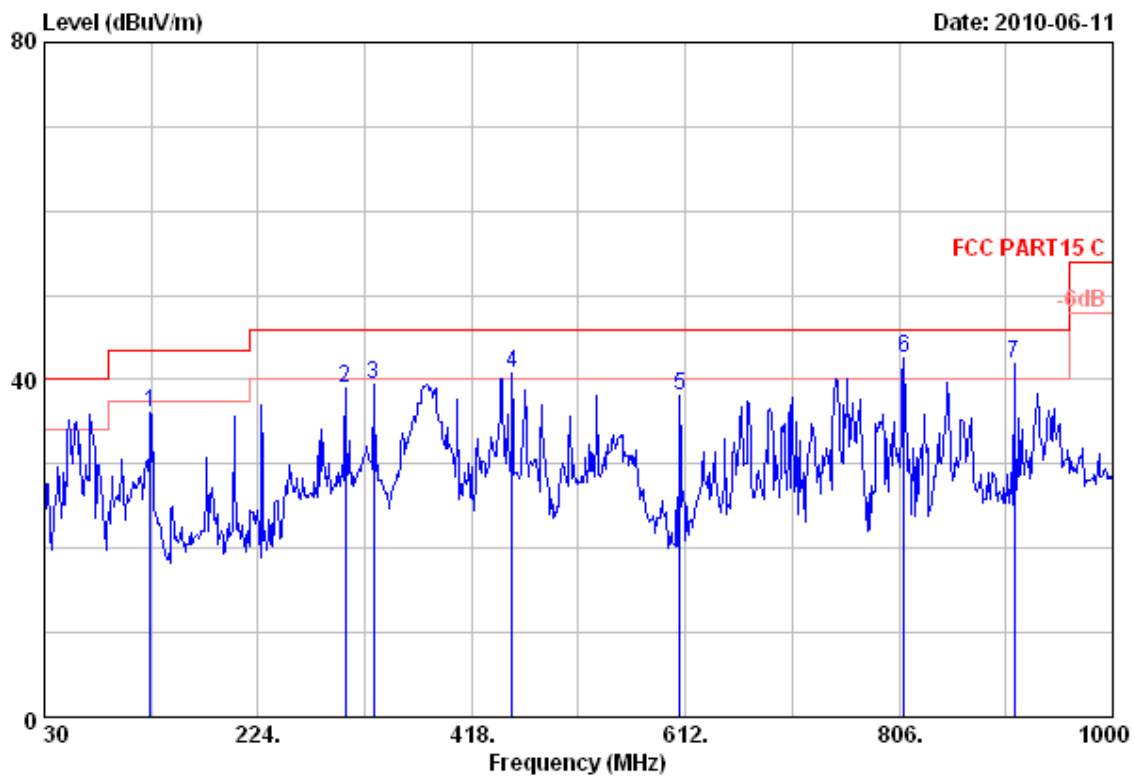


	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	127.000	11.38	1.77	27.76	53.73	39.12	43.50	4.38	Peak
2	177.440	8.43	2.05	27.52	54.25	37.21	43.50	6.29	Peak
3	328.760	13.82	2.90	27.02	52.00	41.70	46.00	4.30	Peak
4	405.390	16.25	3.33	27.36	49.62	41.84	46.00	4.16	Peak
5	607.150	20.02	4.21	28.18	45.77	41.82	46.00	4.18	Peak
6	749.740	22.70	4.68	27.82	42.00	41.56	46.00	4.44	Peak
7	910.760	23.52	5.16	27.25	39.69	41.12	46.00	4.88	Peak

NOTE:

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported

EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Antenna H/V :	Vertical		
Test Mode :	TX B MODE CHANNEL 01		



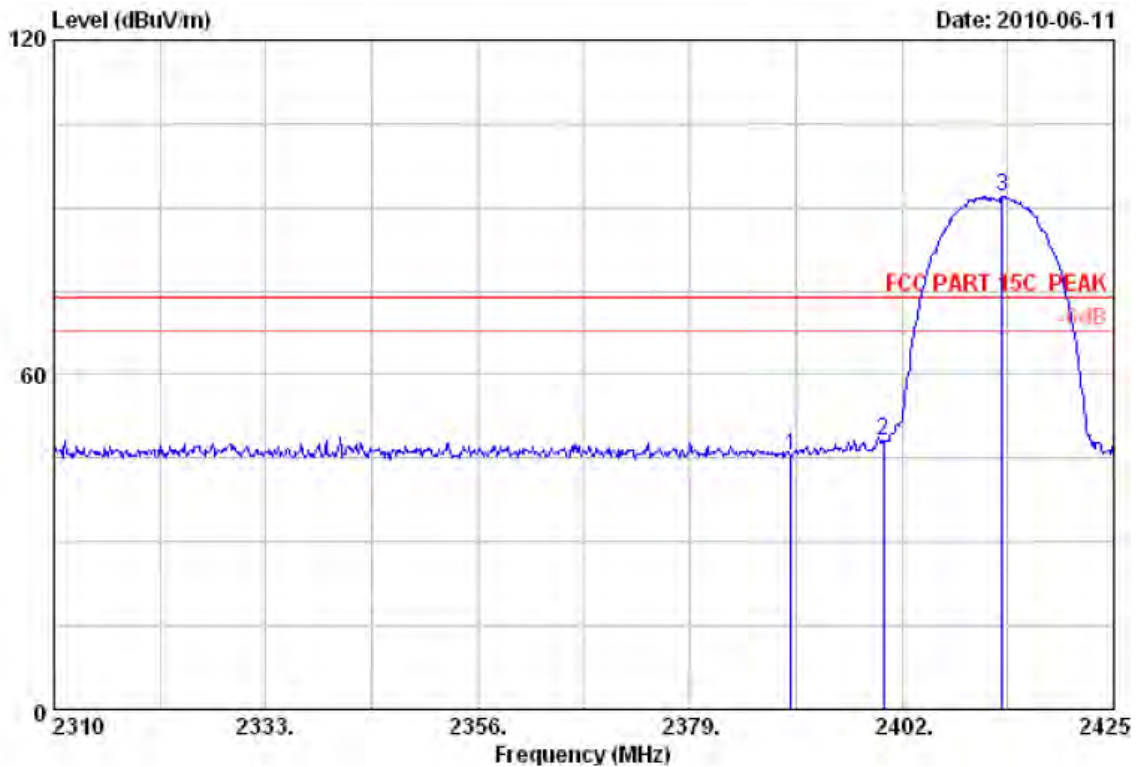
	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	126.030	11.44	1.77	27.77	50.56	36.00	43.50	7.50	Peak
2	303.540	13.10	2.76	26.91	50.12	39.07	46.00	6.93	Peak
3	328.760	13.82	2.90	27.02	49.78	39.48	46.00	6.52	Peak
4	454.860	16.88	3.61	27.57	47.76	40.68	46.00	5.32	Peak
5	607.150	20.02	4.21	28.18	42.15	38.20	46.00	7.80	Peak
6	810.850	22.25	4.84	27.65	43.07	42.51	46.00	3.49	Peak
7	910.760	23.52	5.16	27.25	40.55	41.98	46.00	4.02	Peak

NOTE:

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported

**5.6. Test Results(ABOVE 1G)**

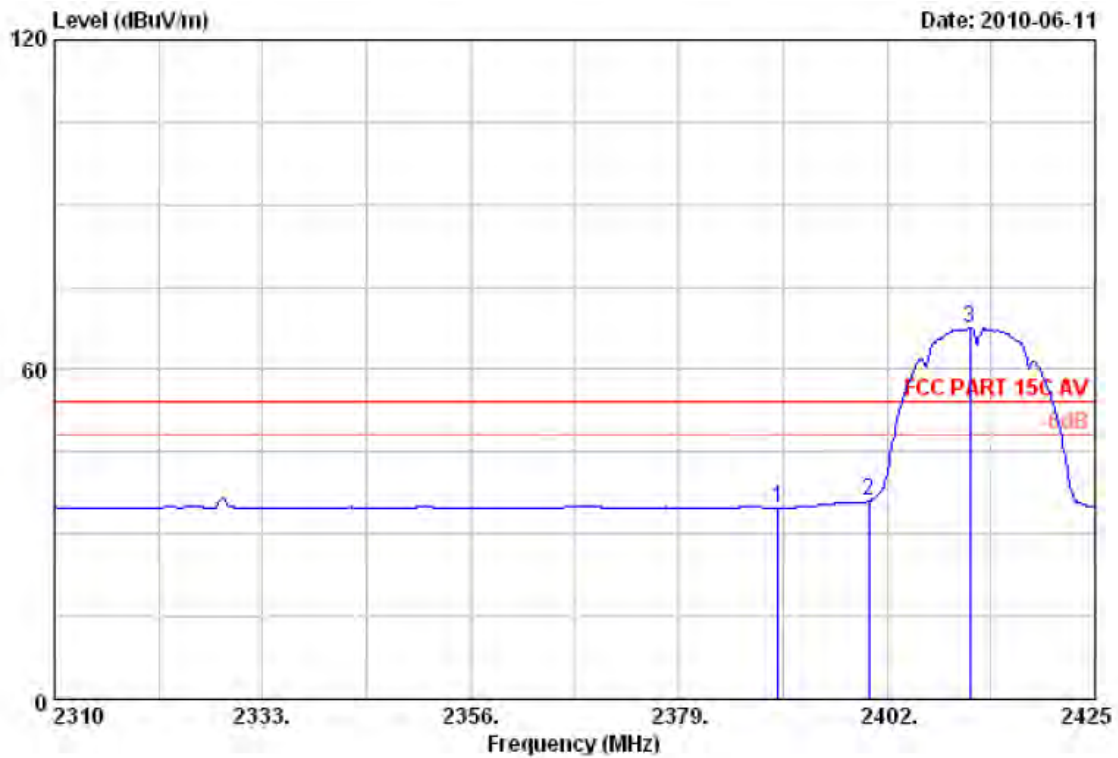
EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Antenna H/V :	Horizontal		
Test Mode :	TX B MODE CHANNEL 01		



	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	2390.000	29.44	8.67	36.09	43.54	45.56	74.00	28.44	Peak
2	2400.000	29.44	8.72	36.09	46.12	48.19	74.00	25.81	Peak
3	2412.925	29.45	8.72	35.95	89.70	91.92	74.00	-17.92	Peak

**NOTE:**

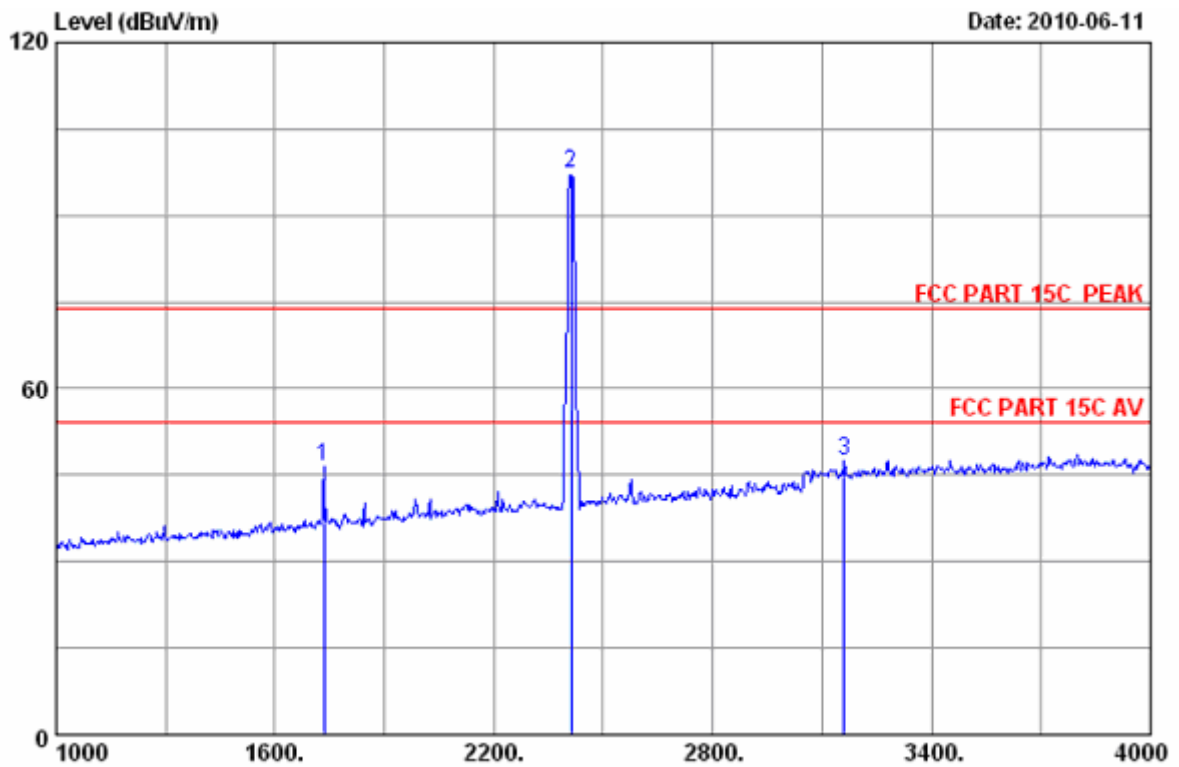
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported



	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2390.000	29.44	8.67	36.09	32.87	34.89	54.00	19.11	Average
2	2400.000	29.44	8.72	36.09	34.07	36.14	54.00	17.86	Average
3	2411.200	29.45	8.72	35.95	65.35	67.57	54.00	-13.57	Average

NOTE:

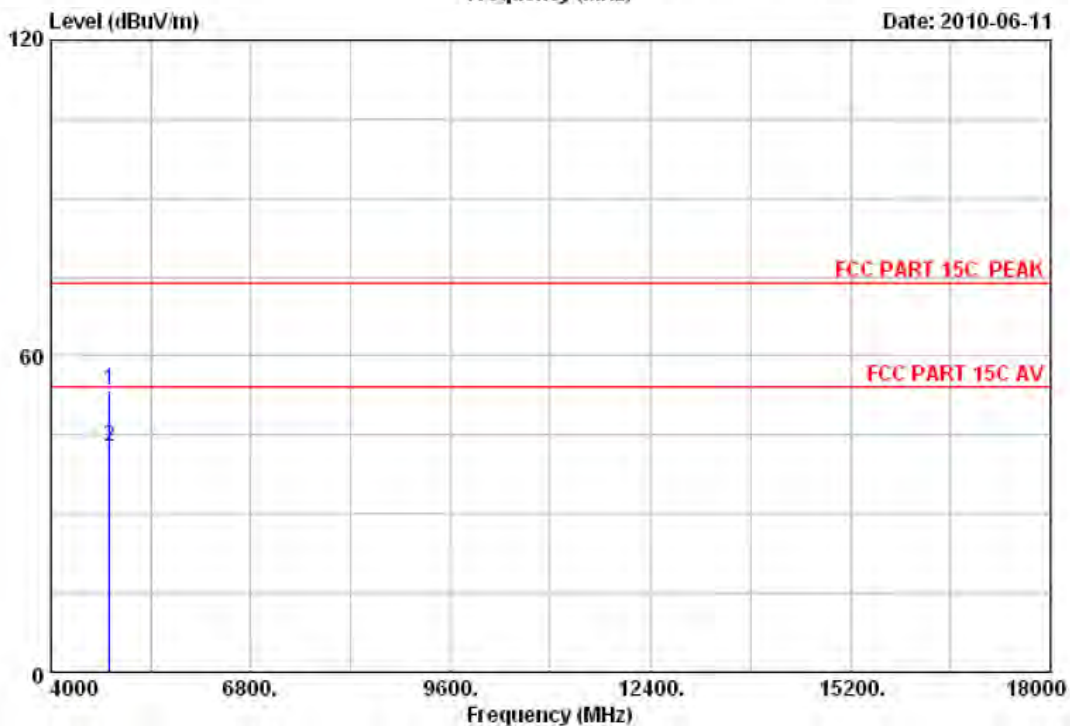
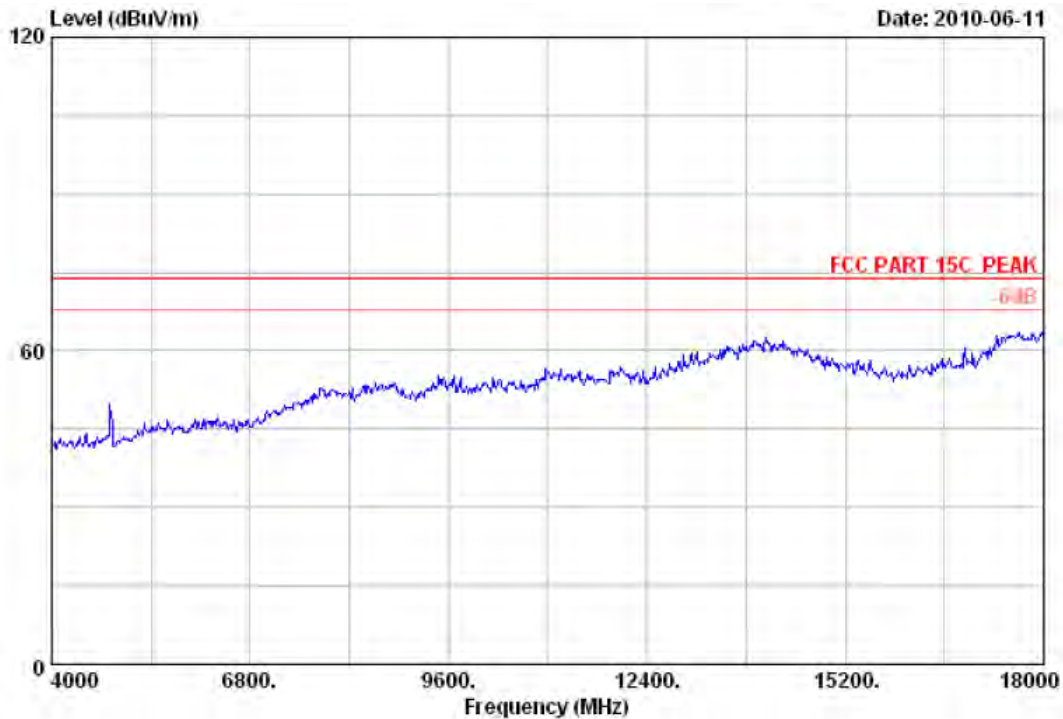
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported



	Ant.	Cable	Amp.	Emission					
Freq. (MHz)	Factor (dB/m)	loss (dB)	Factor (dB)	Reading (dbuv)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1	1735.000	26.83	7.31	36.36	48.74	46.52	74.00	27.48	Peak
2	2412.000	28.48	8.60	35.95	96.13	97.26	74.00	-23.26	Peak
3	3160.000	30.63	9.82	35.80	42.70	47.35	74.00	26.65	Peak

NOTE:

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported



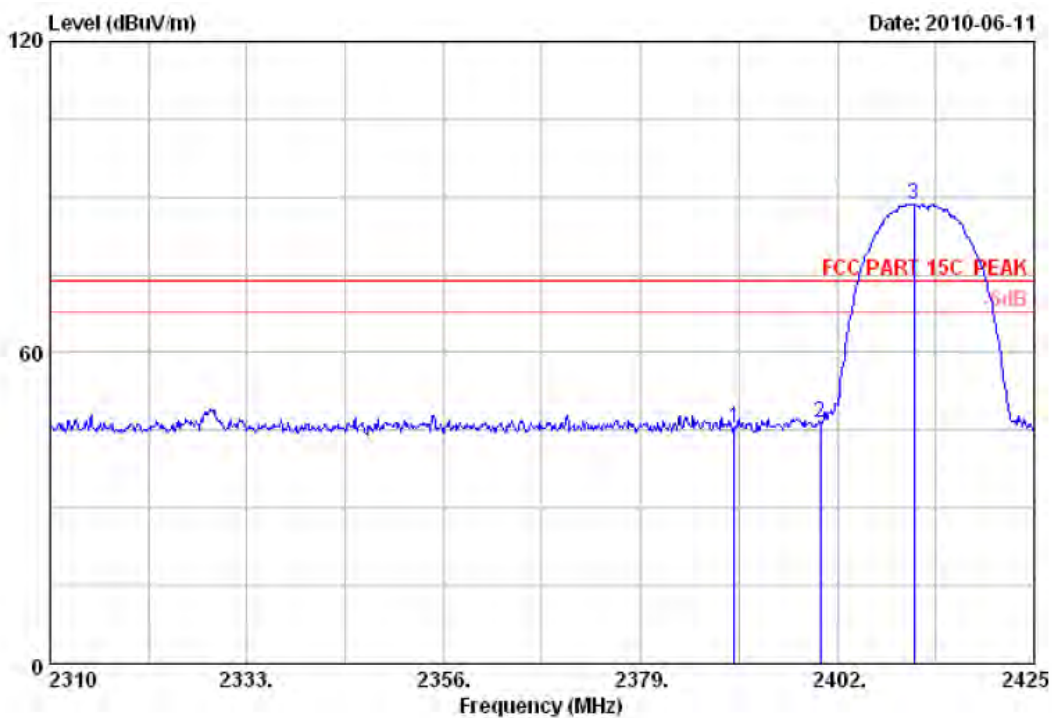
	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.32	12.38	35.25	42.03	53.48	74.00	20.52	Peak
2	4824.000	34.32	12.38	35.25	31.34	42.79	54.00	11.21	Average

**NOTE:**

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported
- (3) Data of measurement within the frequency range 18GHz to 25GHz is too low to be measured.



EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Antenna H/V :	Vertical		
Test Mode :	TX B MODE CHANNEL 01		



	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1 2390.000	29.44	8.67	36.09	43.51	45.53	74.00	28.47	Peak	
2 2400.000	29.44	8.72	36.09	44.54	46.61	74.00	27.39	Peak	
3 2410.970	29.45	8.72	35.95	86.49	88.71	74.00	-14.71	Peak	

NOTE:

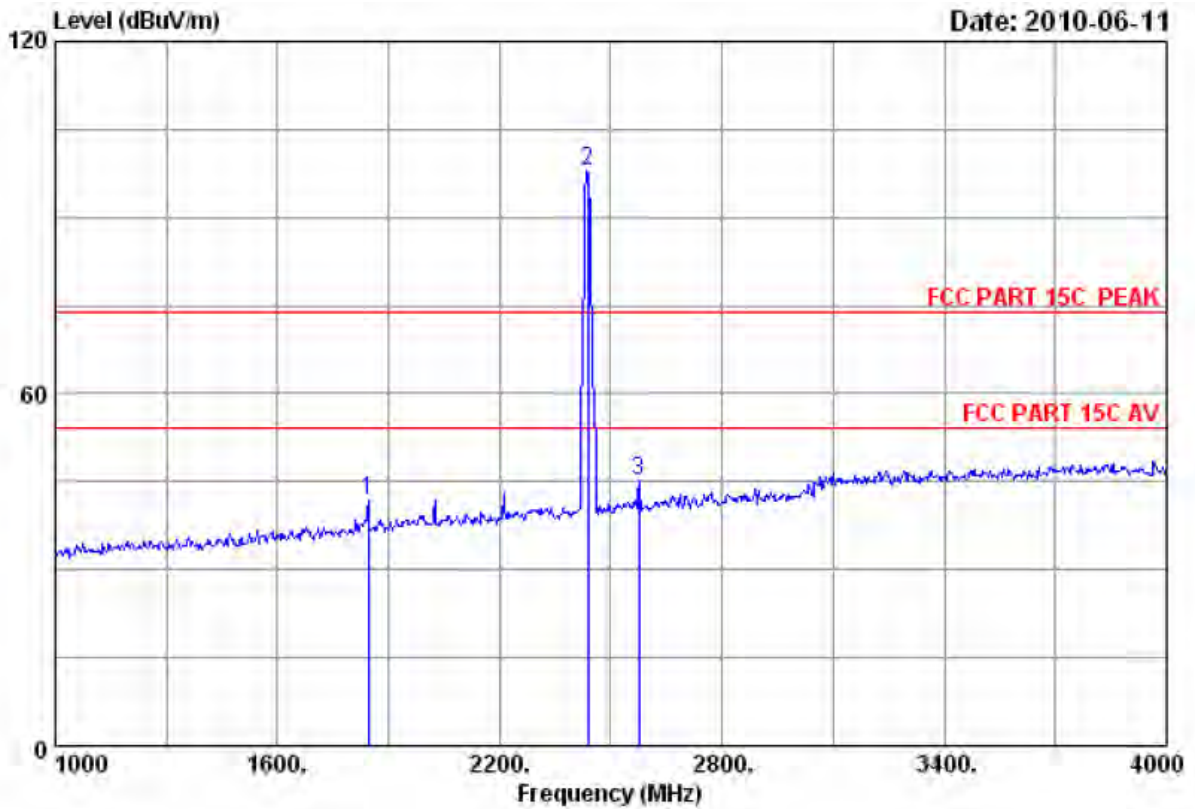
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported



	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2329.205	29.40	8.57	36.06	38.36	40.27	54.00	13.73	Average
2	2390.000	29.44	8.67	36.09	32.62	34.64	54.00	19.36	Average
3	2400.000	29.44	8.72	36.09	33.62	35.69	54.00	18.31	Average
4	2410.970	29.45	8.72	35.95	64.39	66.61	54.00	-12.61	Average

**NOTE:**

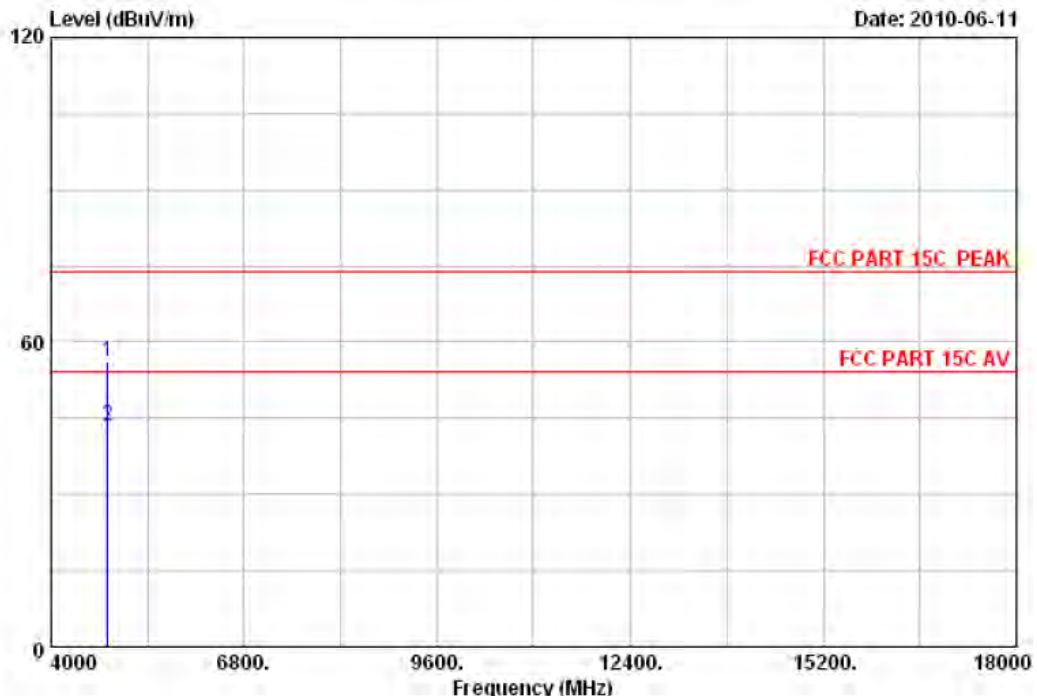
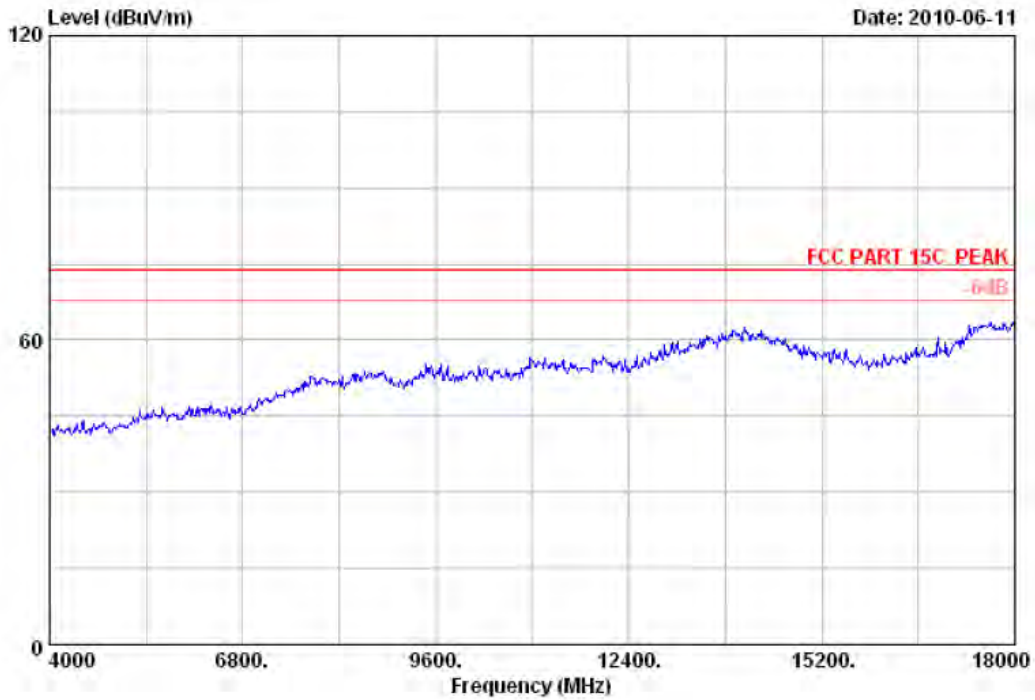
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1846.000	27.30	7.52	36.23	43.21	41.80	74.00	32.20	Peak
2	2412.000	28.48	8.60	35.95	96.97	98.10	74.00	-24.04	Peak
3	2575.000	28.87	9.21	35.78	42.76	45.06	74.00	28.94	Peak

**NOTE:**

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported

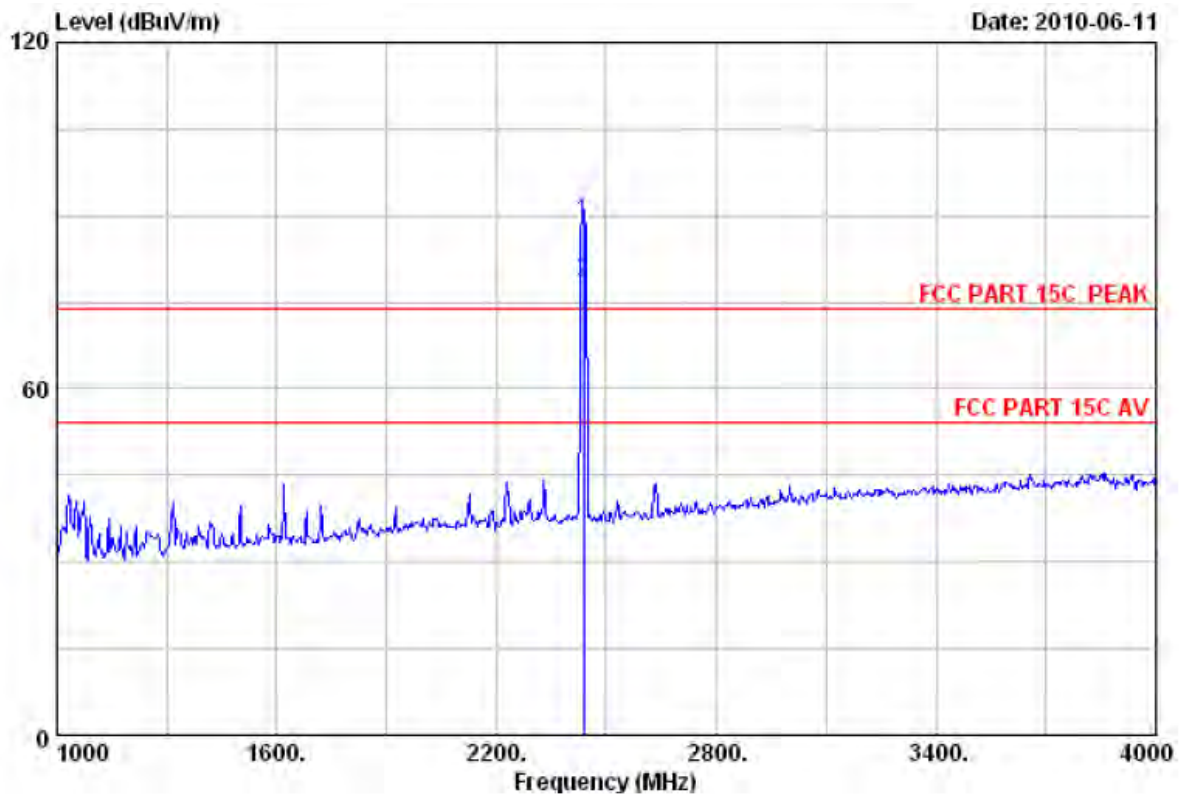


	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	4824.000	34.32	12.38	35.25	44.61	56.06	74.00	17.94	Peak
2	4824.000	34.32	12.38	35.25	32.08	43.53	54.00	10.47	Average

NOTE:

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported
- (3) Data of measurement within the frequency range 18GHz to 25GHz is too low to be measured.

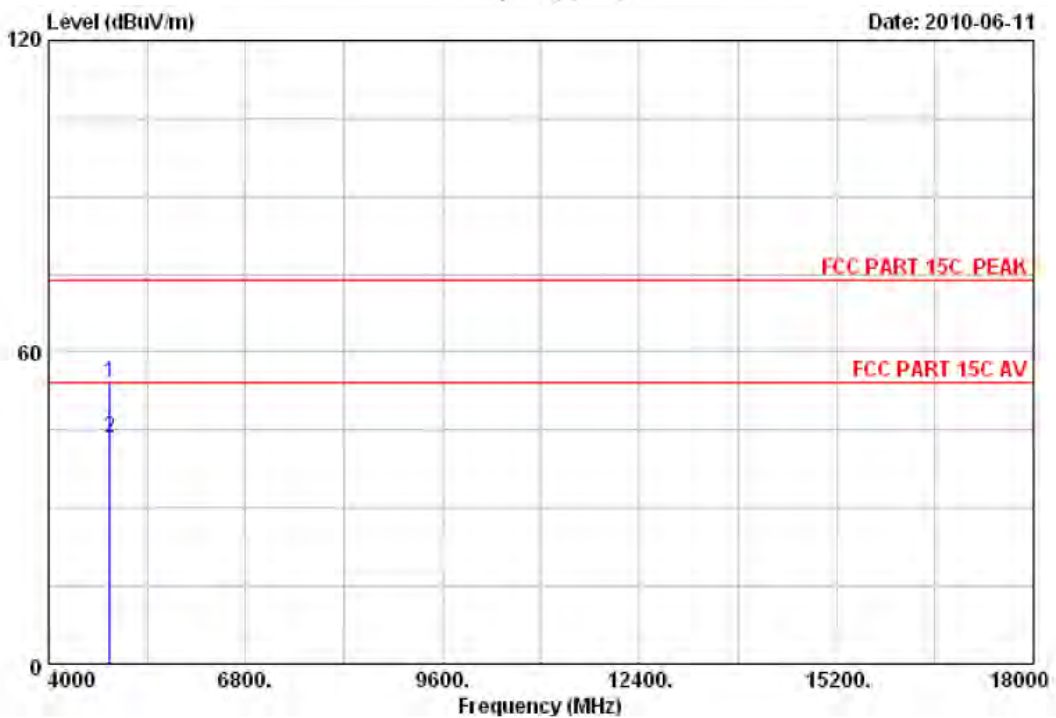
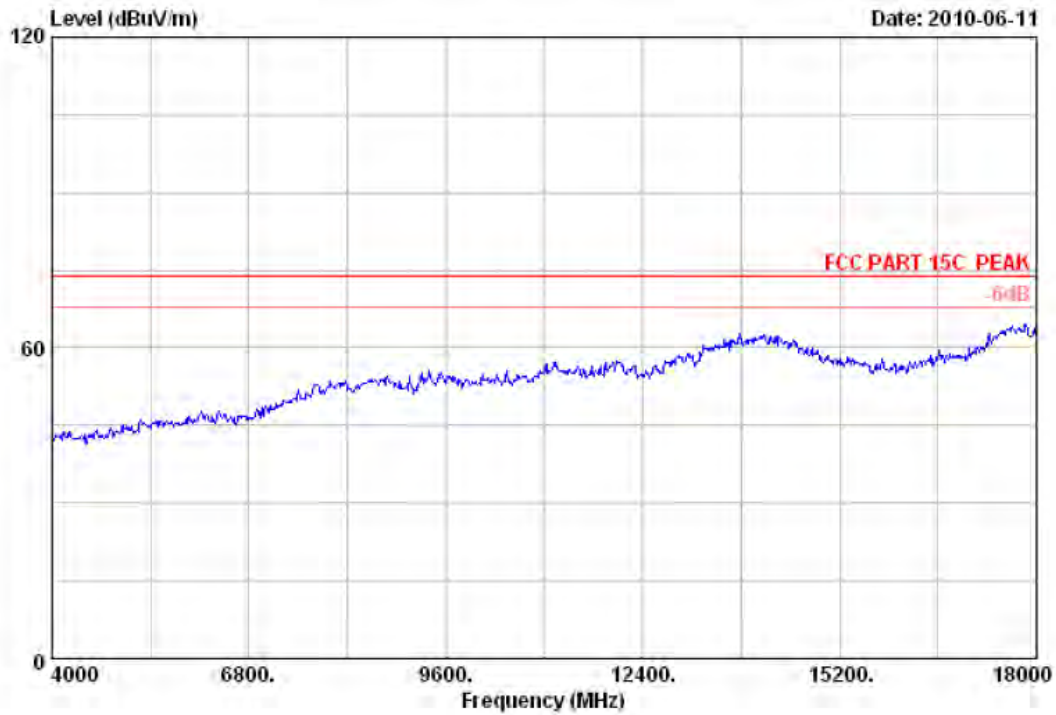
EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Antenna H/V :	Vertical		
Test Mode :	TX B MODE CHANNEL 06		



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	29.47	8.77	36.06	86.66	88.84	74.00	-14.84	Peak
2	2437.000	29.47	8.77	36.06	76.38	78.56	54.00	-24.56	Average

**NOTE:**

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported

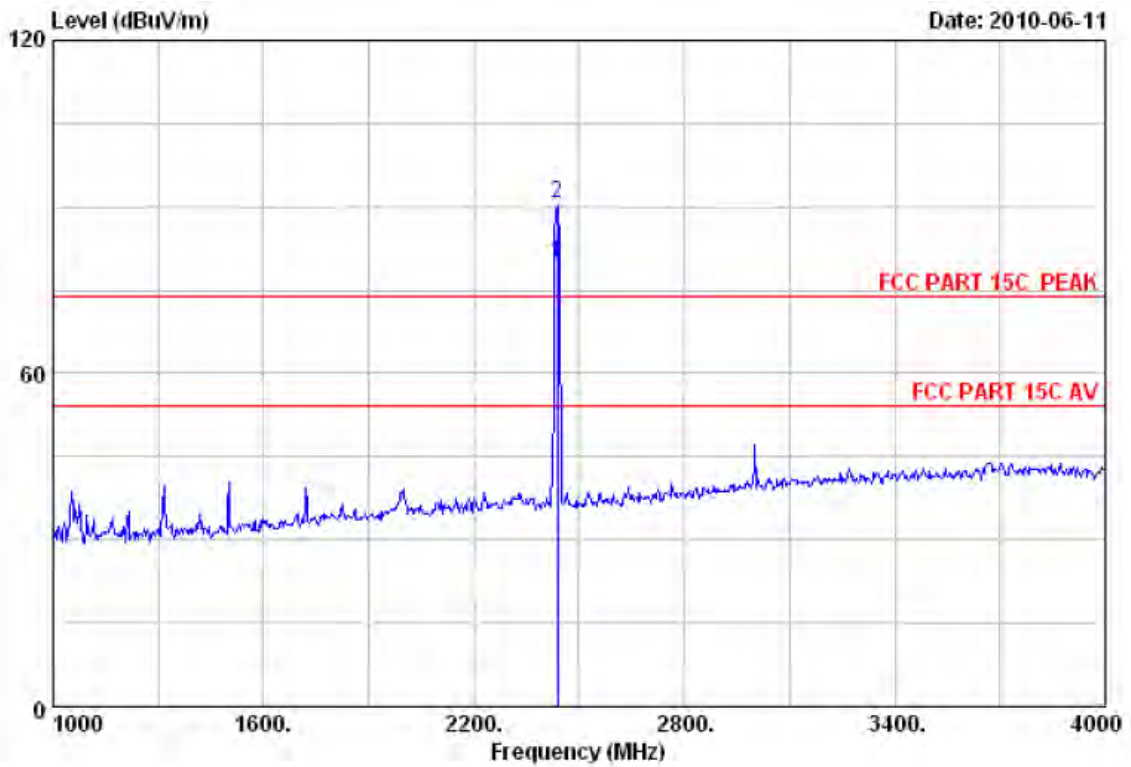


	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.41	12.44	35.36	42.62	54.11	74.00	19.89	Peak
2	4874.000	34.41	12.44	35.36	32.07	43.56	54.00	10.44	Average

**NOTE:**

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported
- (3) Data of measurement within the frequency range 18GHz to 25GHz is too low to be measured.

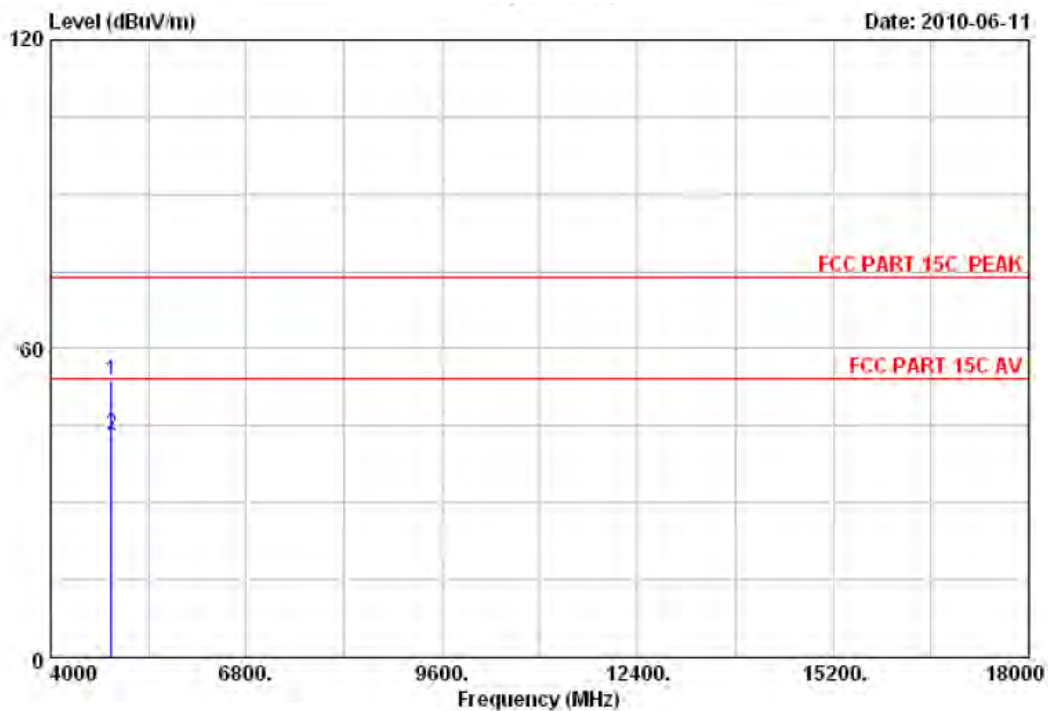
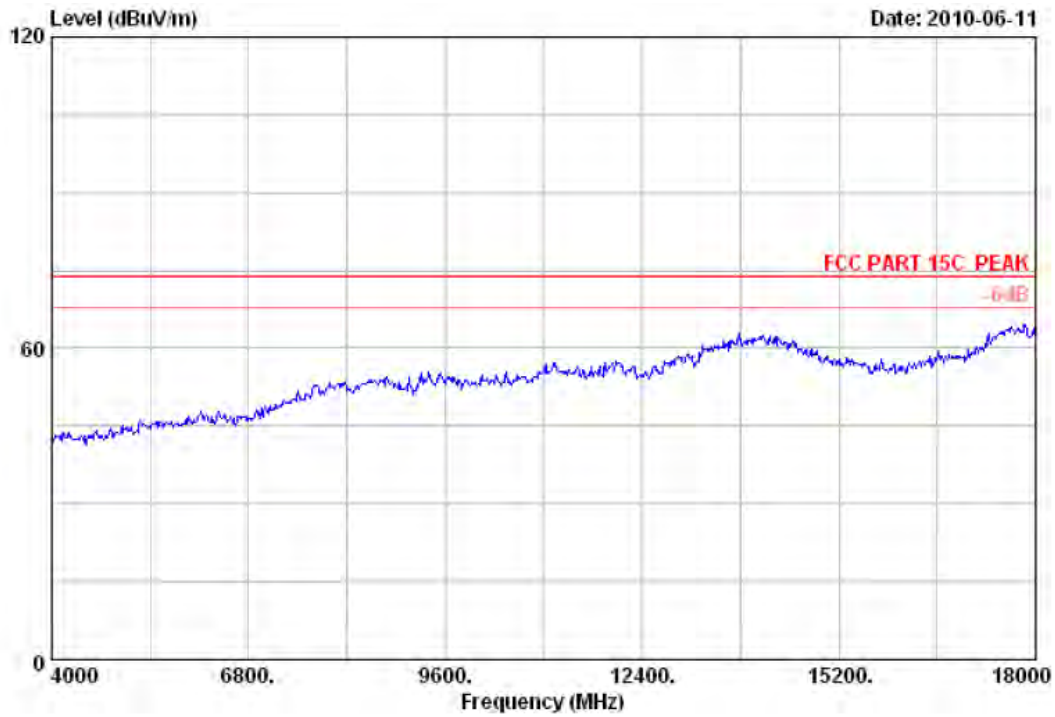
EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Antenna H/V :	Horizontal		
Test Mode :	TX B MODE CHANNEL 06		



	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	29.47	8.77	36.06	77.63	79.81	54.00	-25.81	Average
2	2437.000	29.47	8.77	36.06	88.56	90.74	74.00	-16.74	Peak

NOTE:

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported



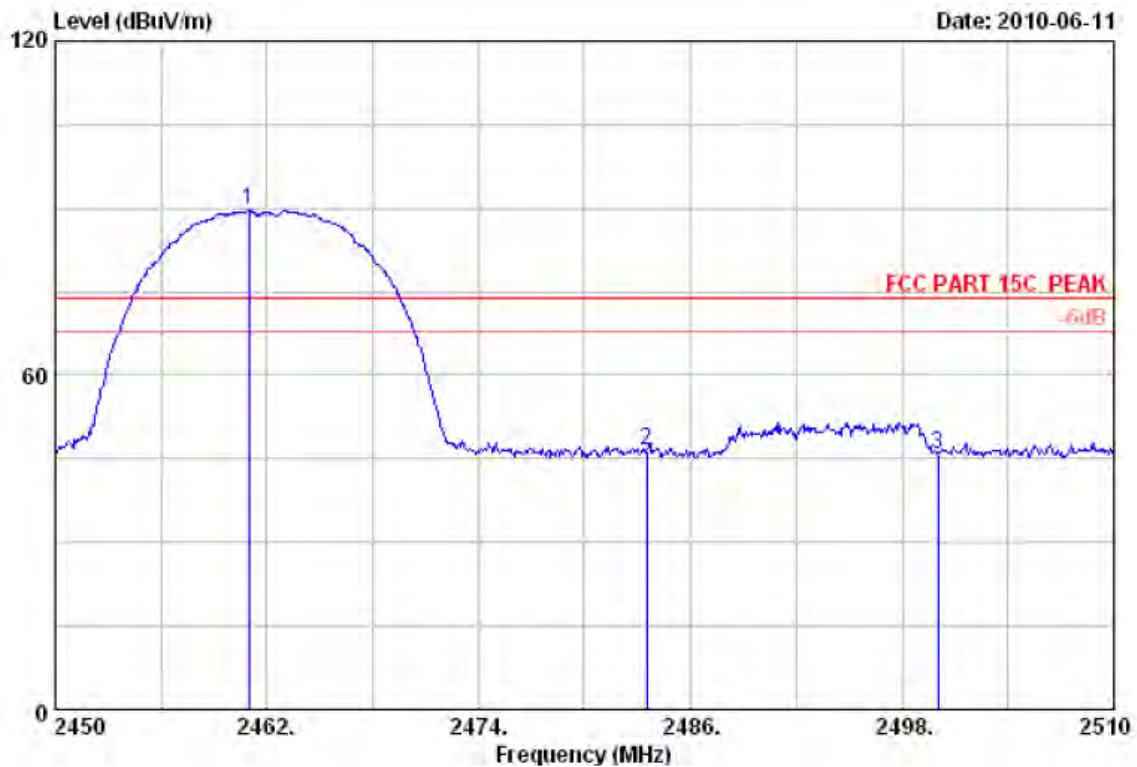
	Ant. Freq. (MHz)	Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.41	12.44	35.36	42.42	53.91	74.00	20.09	Peak
2	4874.000	34.41	12.44	35.36	31.71	43.20	54.00	10.80	Average

**NOTE:**

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported



EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Antenna H/V :	Horizontal		
Test Mode :	TX B MODE CHANNEL 11		



	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2460.980	29.48	8.82	36.02	87.24	89.52	74.00	-15.52	Peak
2	2483.500	29.49	8.87	35.97	44.18	46.57	74.00	27.43	Peak
3	2500.000	29.50	8.92	36.00	43.52	45.94	74.00	28.06	Peak

NOTE:

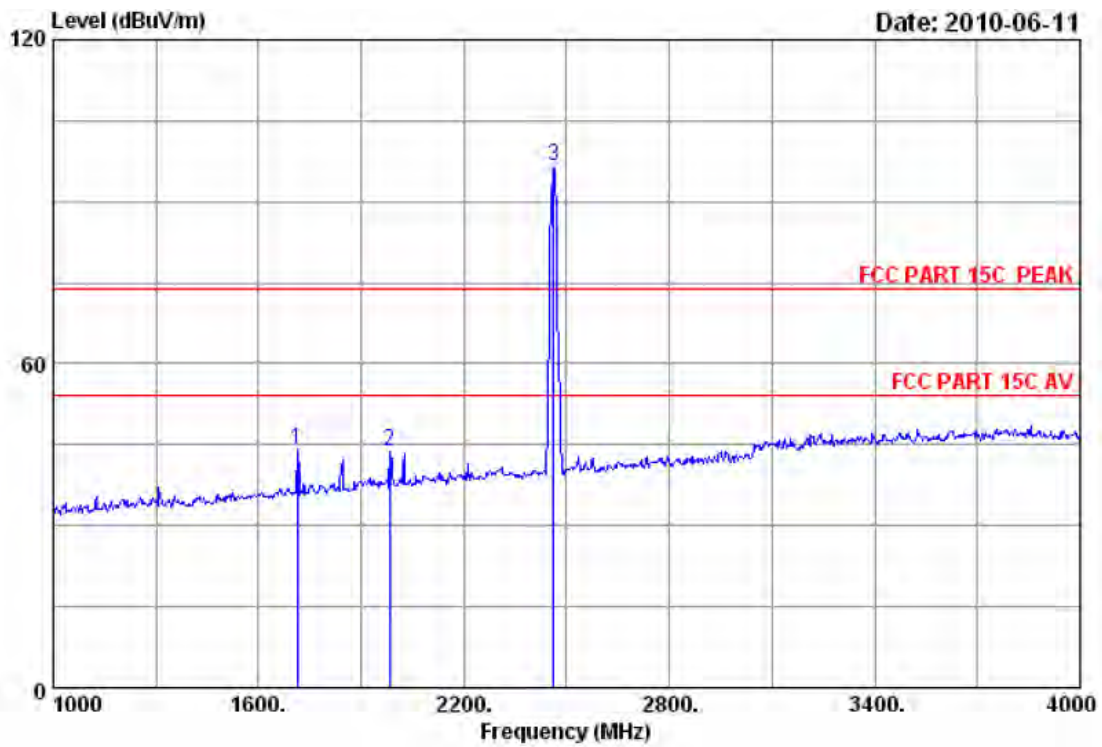
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.220	29.48	8.82	36.02	64.79	67.07	54.00	-13.07	Average
2	2483.500	29.49	8.87	35.97	32.67	35.06	54.00	18.94	Average
3	2500.000	29.50	8.92	36.00	32.71	35.13	54.00	18.87	Average

NOTE:

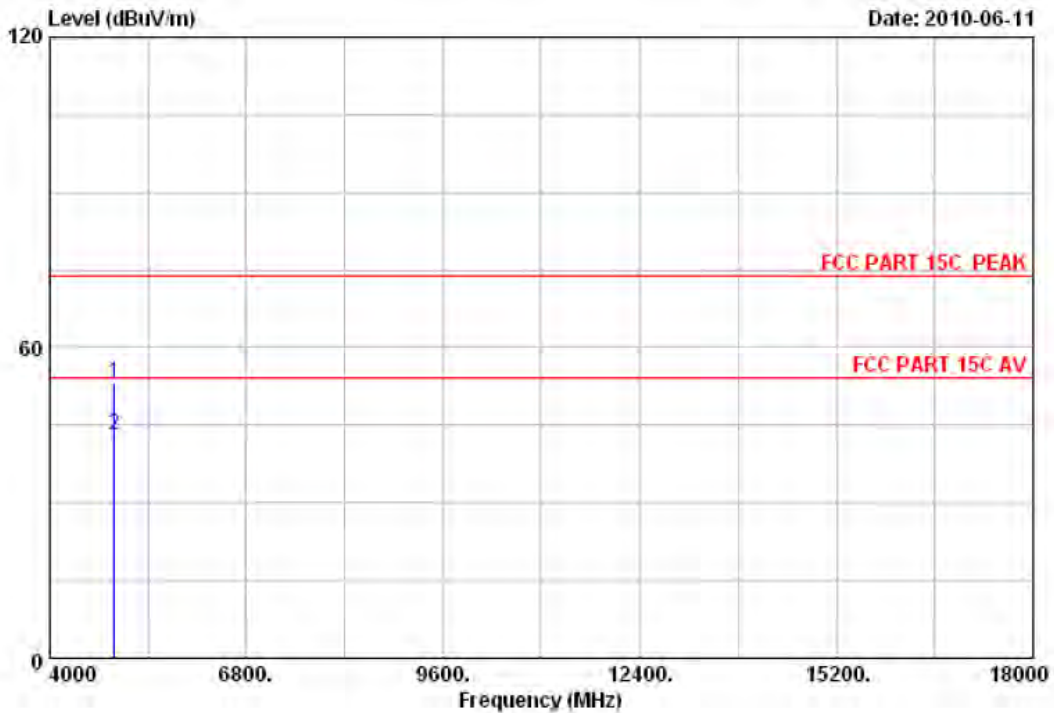
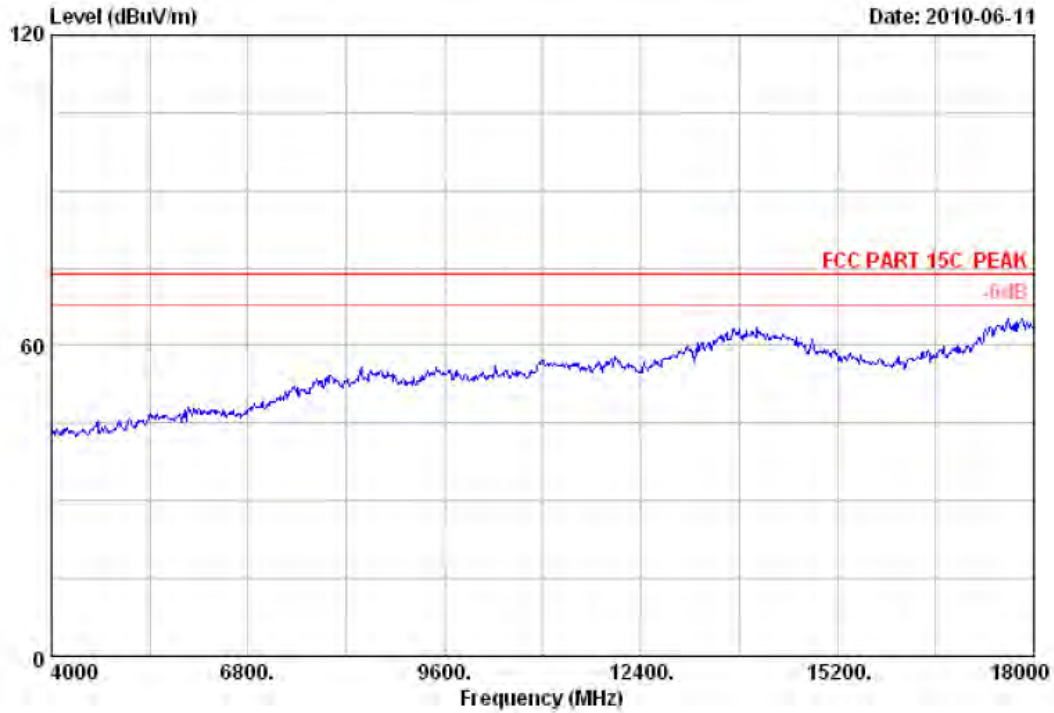
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported



	Ant.	Cable	Amp.	Emission					
Freq. (MHz)	Factor (dB/m)	loss (dB)	Factor (dB)	Reading (dbuv)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1	1714.000	26.77	7.27	36.30	46.41	44.15	74.00	29.85	Peak
2	1984.000	27.83	7.76	36.06	44.20	43.73	74.00	30.27	Peak
3	2462.000	28.55	8.76	36.02	95.17	96.46	74.00	-22.46	Peak

**NOTE:**

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported

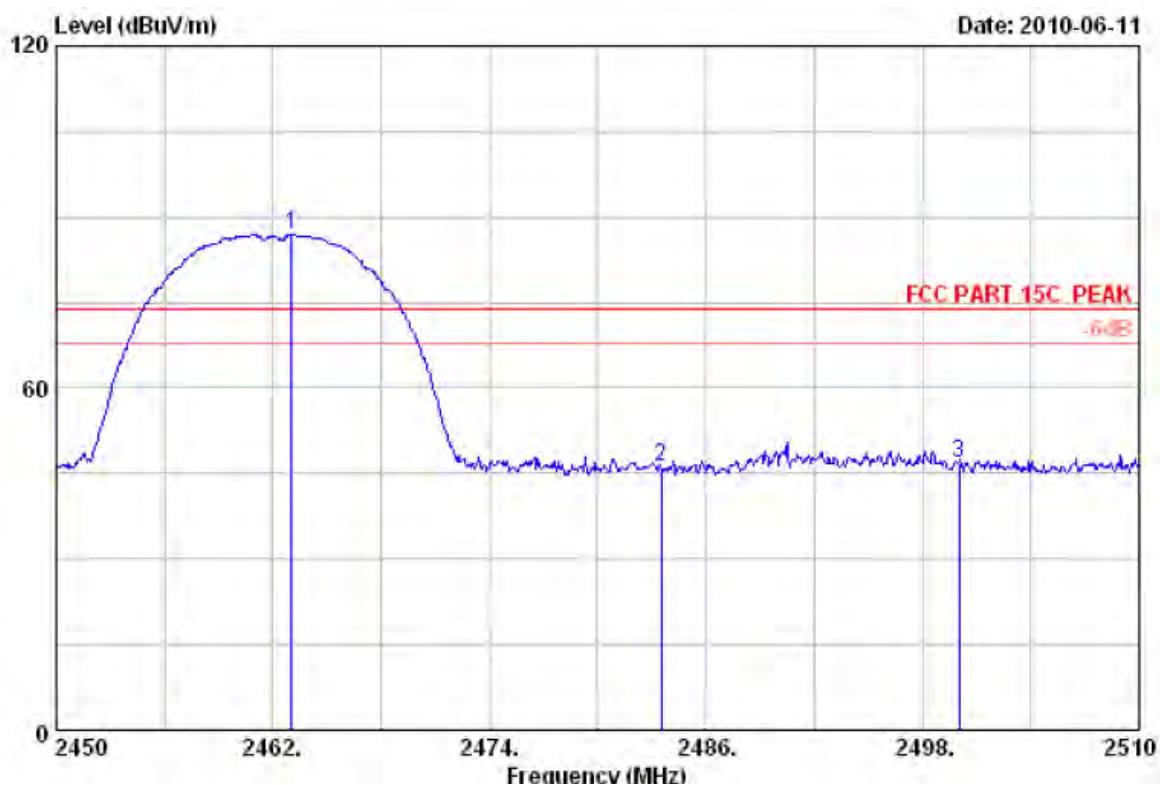


	Ant. Freq. (MHz)	Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.49	12.50	35.34	41.46	53.11	74.00	20.89	Peak
2	4924.000	34.49	12.50	35.34	31.42	43.07	54.00	10.93	Average

**NOTE:**

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported
- (3) Data of measurement within the frequency range 18GHz to 25GHz is too low to be measured.

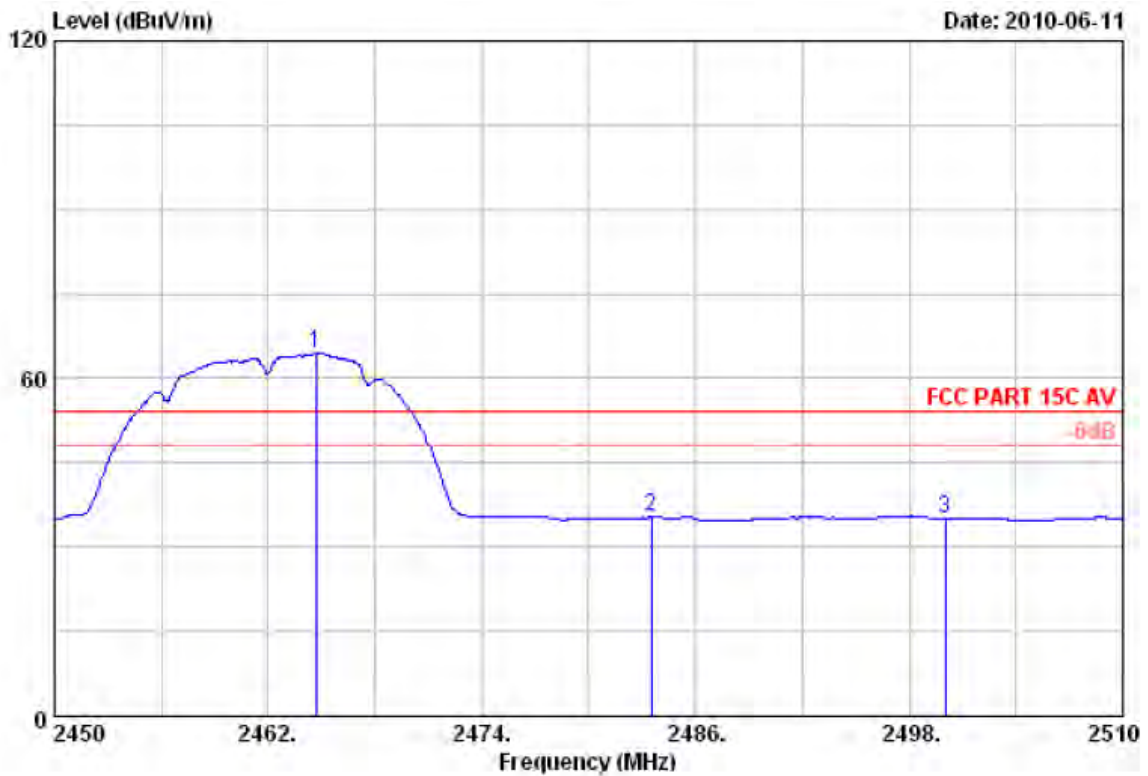
EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Antenna H/V :	Vertical		
Test Mode :	TX B MODE CHANNEL 11		



	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.020	29.48	8.82	36.02	84.69	86.97	74.00	-12.97	Peak
2	2483.500	29.49	8.87	35.97	43.65	46.04	74.00	27.96	Peak
3	2500.000	29.50	8.92	36.00	44.24	46.66	74.00	27.34	Peak

**NOTE:**

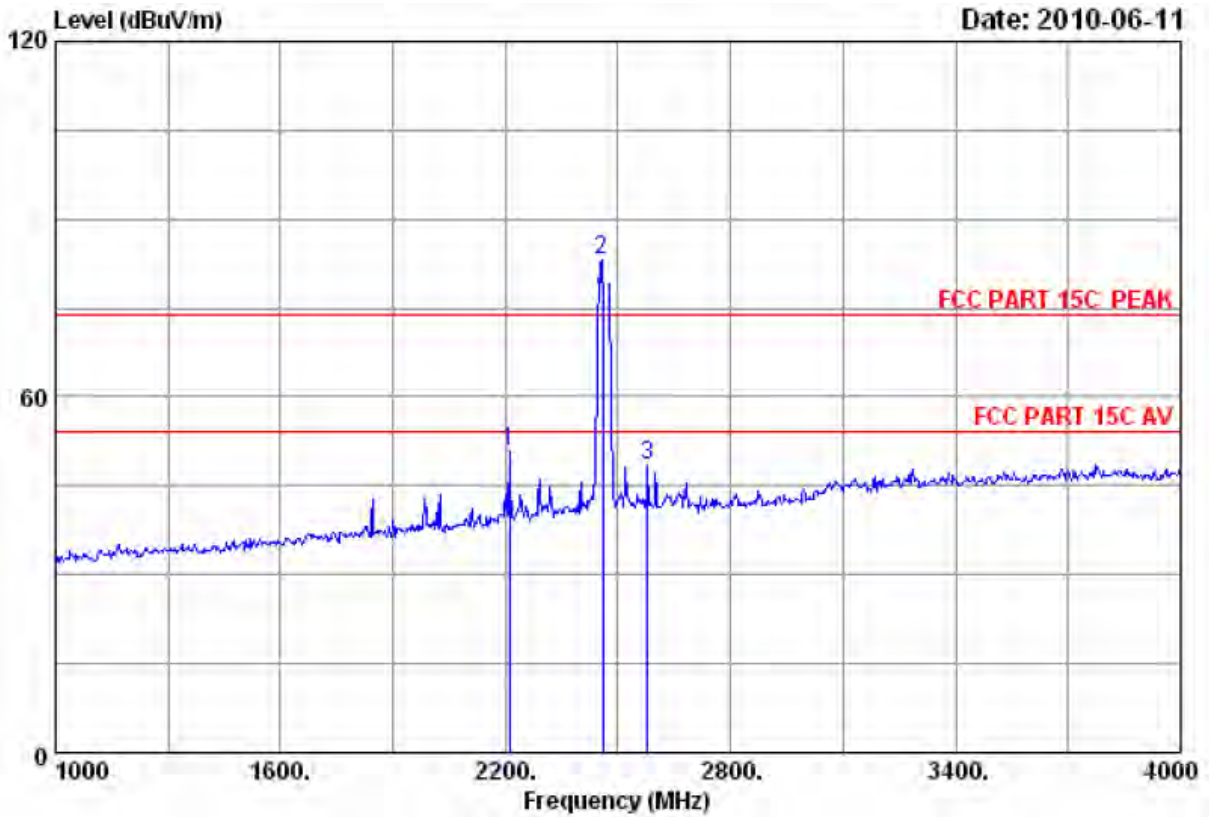
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported



	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2464.700	29.48	8.82	36.02	62.17	64.45	54.00	-10.45	Average
2	2483.500	29.49	8.87	35.97	32.91	35.30	54.00	18.70	Average
3	2500.000	29.50	8.92	36.00	32.72	35.14	54.00	18.86	Average

NOTE:

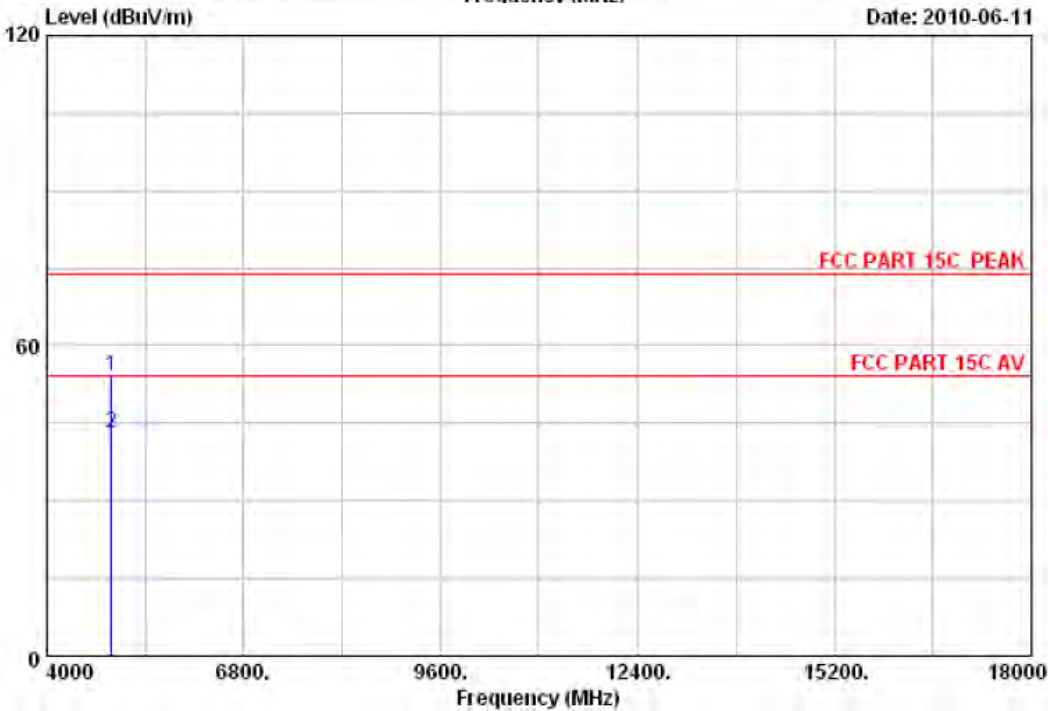
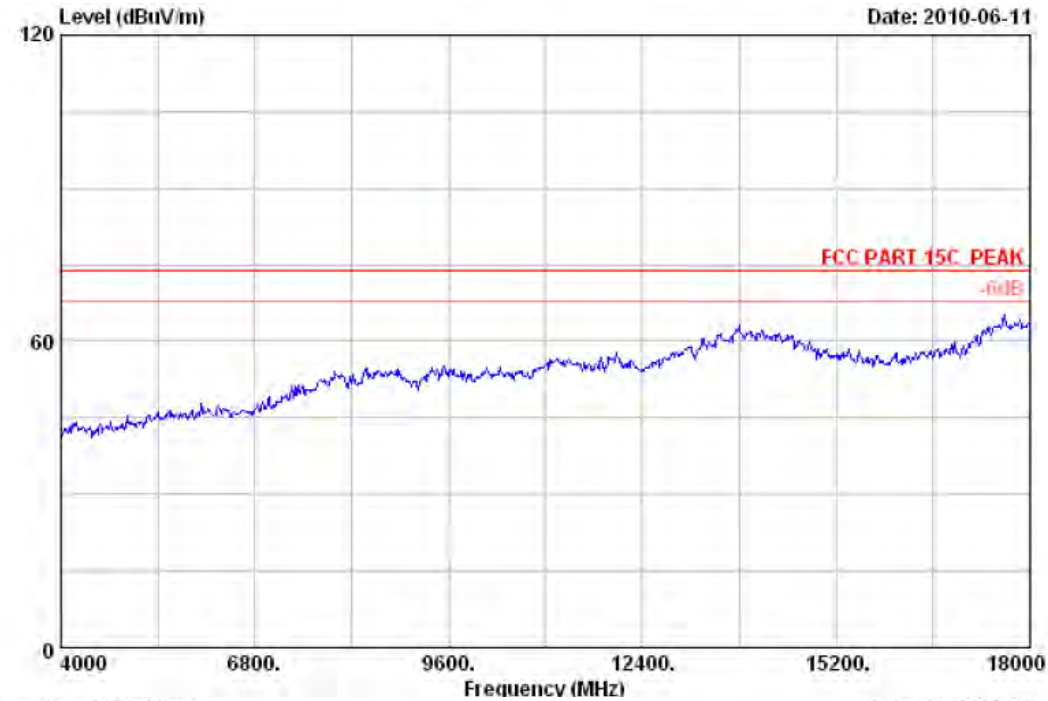
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2209.000	28.19	8.36	36.02	50.30	50.83	74.00	23.17	Peak
2	2462.000	28.55	8.76	36.02	108.88	89.92	92.20	-18.20	Peak
3	2578.000	28.87	9.21	35.78	46.03	48.33	74.00	25.67	Peak

NOTE:

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported



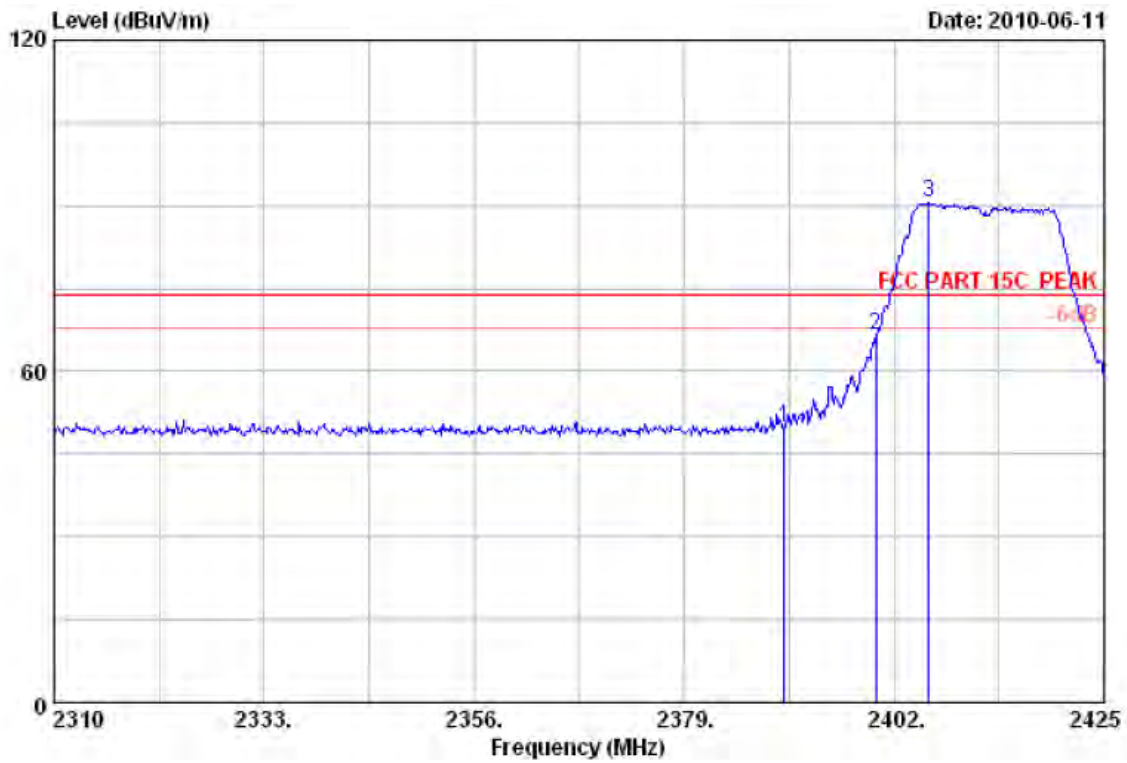
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.49	12.50	35.34	42.35	54.00	74.00	20.00	Peak
2	4924.000	34.49	12.50	35.34	31.41	43.06	54.00	10.94	Average

NOTE:

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported
- (3) Data of measurement within the frequency range 18GHz to 25GHz is too low to be measured.



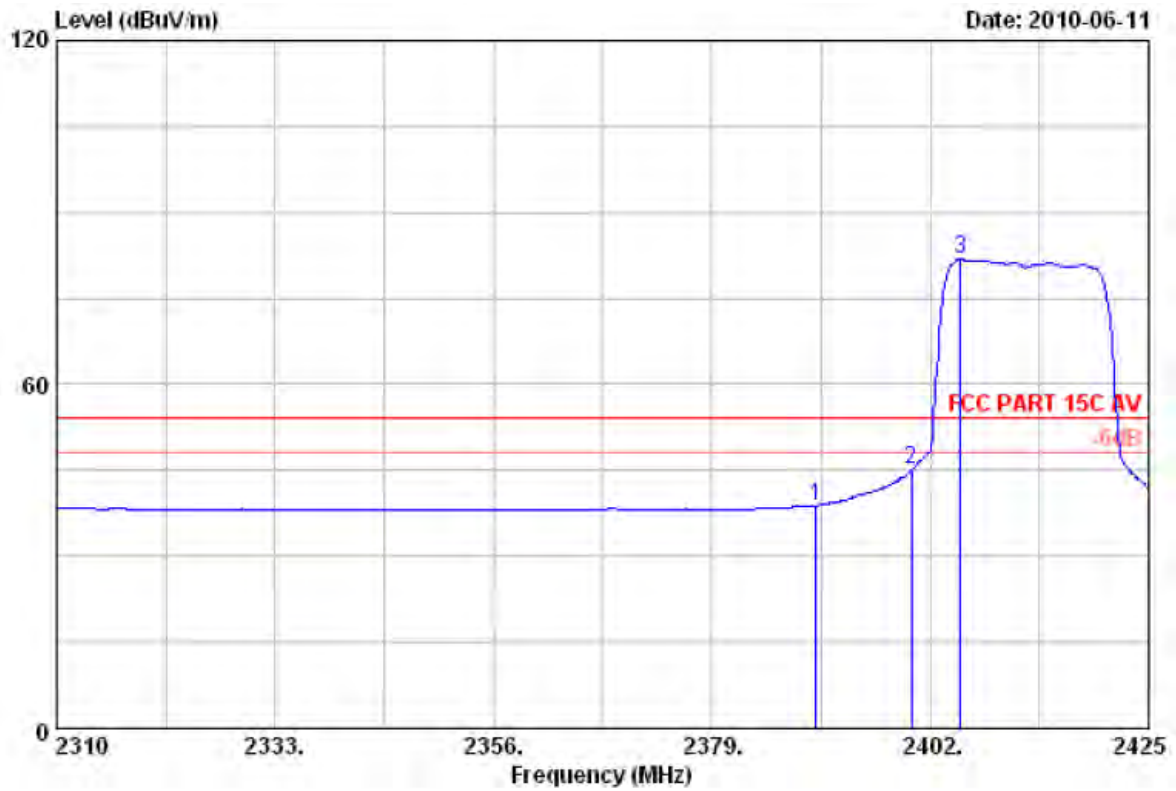
EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Antenna H/V :	Horizontal		
Test Mode :	TX G MODE CHANNEL 01		



	Ant. Factor	Cable loss	Amp. Factor	Reading	Emission Level	Limits	Margin	Remark
Freq. (MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2390.000	29.44	8.67	36.09	47.79	49.81	74.00	24.19	Peak
2 2400.000	29.44	8.72	36.09	64.47	66.54	74.00	7.46	Peak
3 2405.795	29.45	8.72	35.95	88.28	90.50	74.00	-16.50	Peak

**NOTE:**

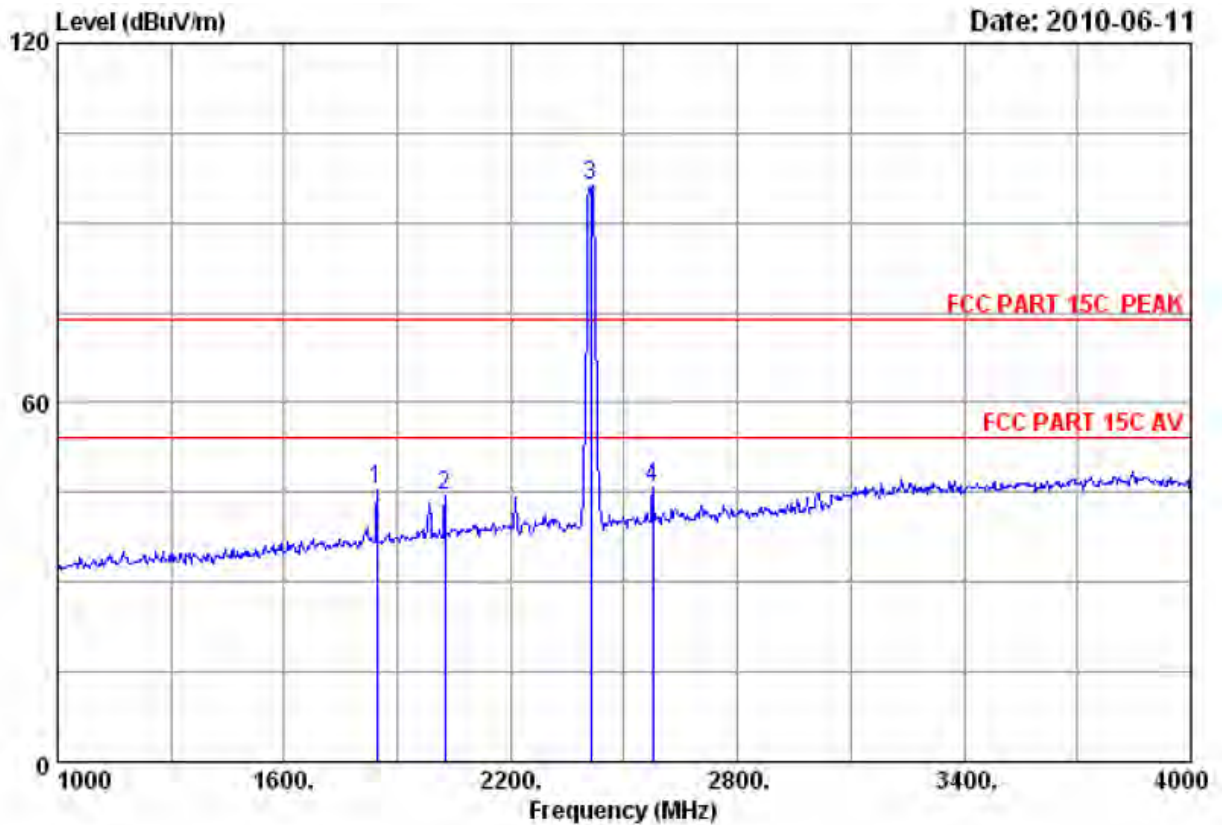
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported



	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	29.44	8.67	36.09	36.90	38.92	54.00	15.08	Average
2	2400.000	29.44	8.72	36.09	43.13	45.20	54.00	8.80	Average
3	2405.220	29.45	8.72	35.95	79.69	81.91	54.00	-27.91	Average

**NOTE:**

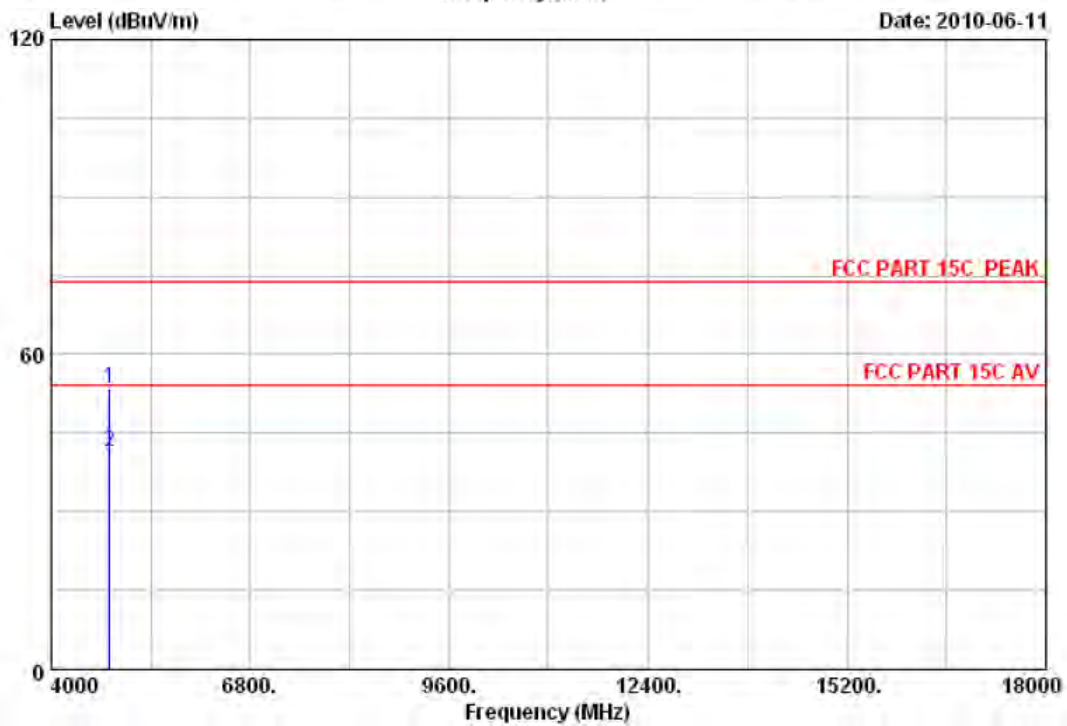
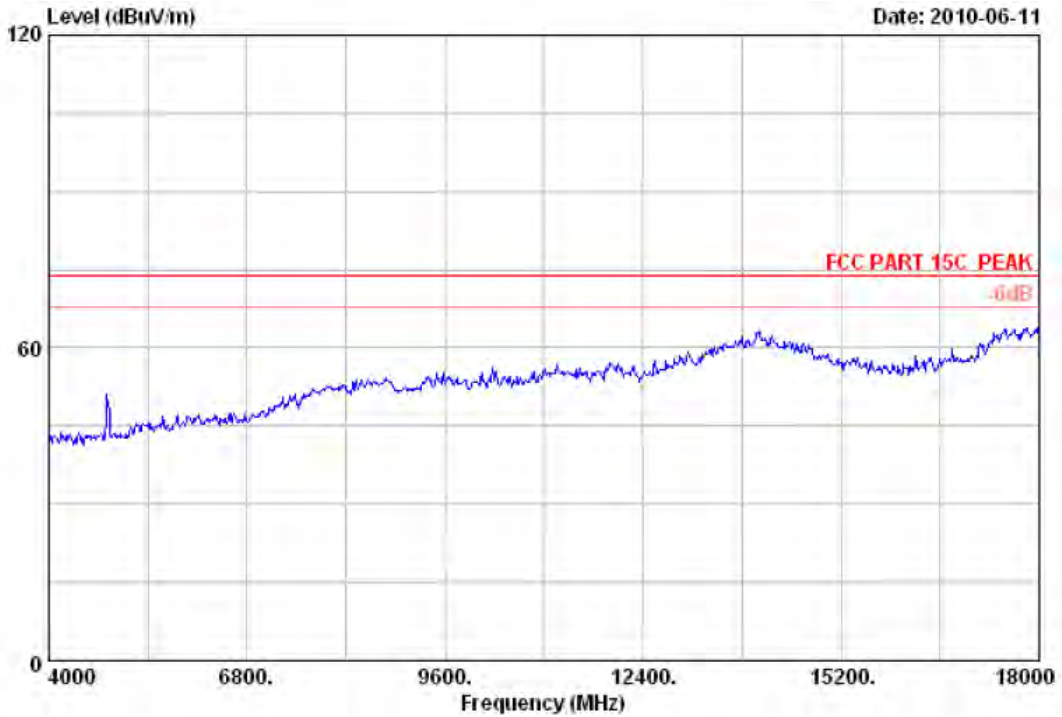
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported



	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dbuv)	(dBuV/m)	(dBuV/m)	(dB)		
1	1846.000	27.30	7.52	36.23	46.84	45.43	74.00	28.57	Peak
2	2026.000	27.92	7.80	36.12	44.75	44.35	74.00	29.65	Peak
3	2412.000	28.48	8.60	35.95	94.99	96.12	74.00	-22.12	Peak
4	2575.000	28.87	9.21	35.78	43.41	45.71	74.00	28.29	Peak

NOTE:

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported

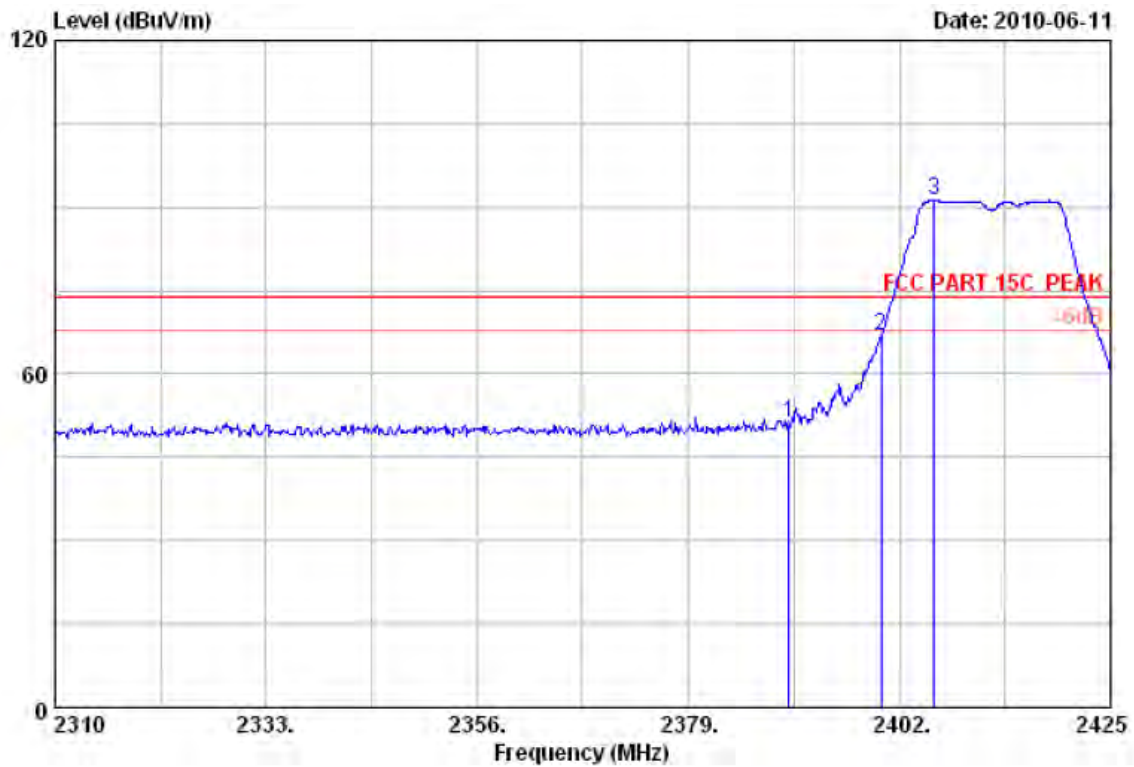


	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.32	12.38	35.25	42.05	53.50	74.00	20.50	Peak
2	4824.000	34.32	12.38	35.25	30.05	41.50	54.00	12.50	Average

**NOTE:**

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported
- (3) Data of measurement within the frequency range 18GHz to 25GHz is too low to be measured.

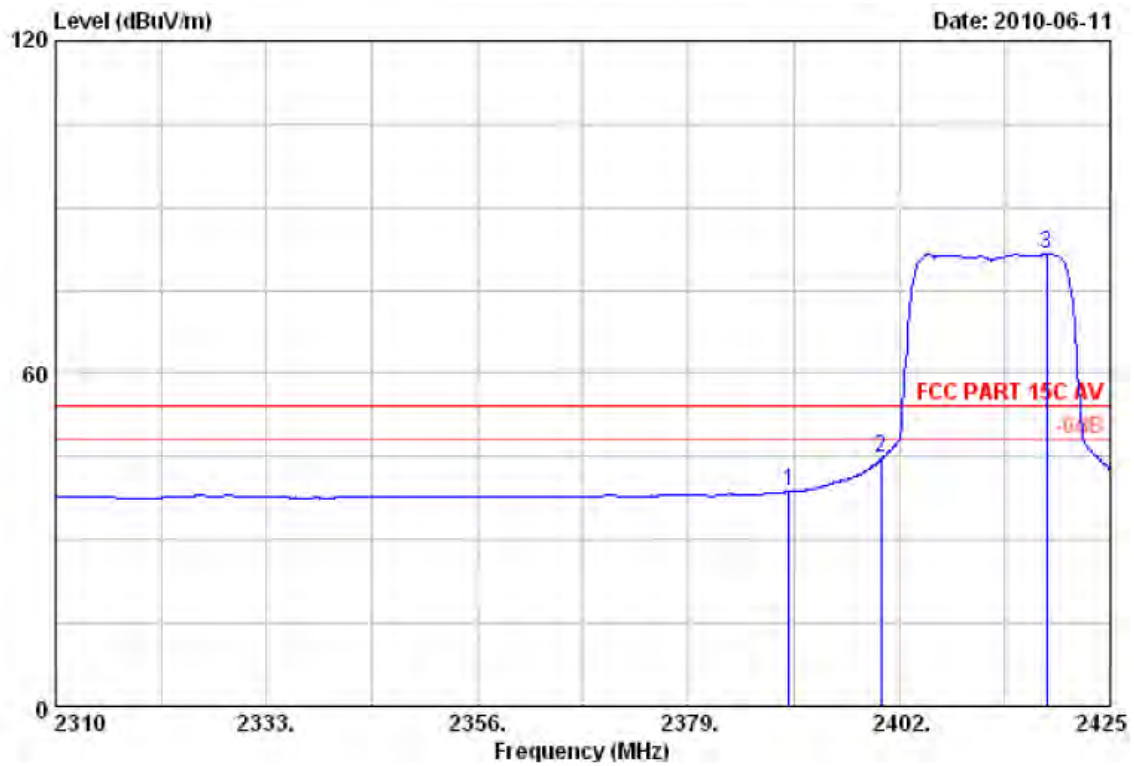
EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Antenna H/V :	Vertical		
Test Mode :	TX G MODE CHANNEL 01		



	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)	(dBUV/m)	(dB)		
1 2390.000	29.44	8.67	36.09	48.98	51.00	74.00	23.00	Peak	
2 2400.000	29.44	8.72	36.09	64.87	66.94	74.00	7.06	Peak	
3 2405.795	29.45	8.72	35.95	89.02	91.24	74.00	-17.24	Peak	

NOTE:

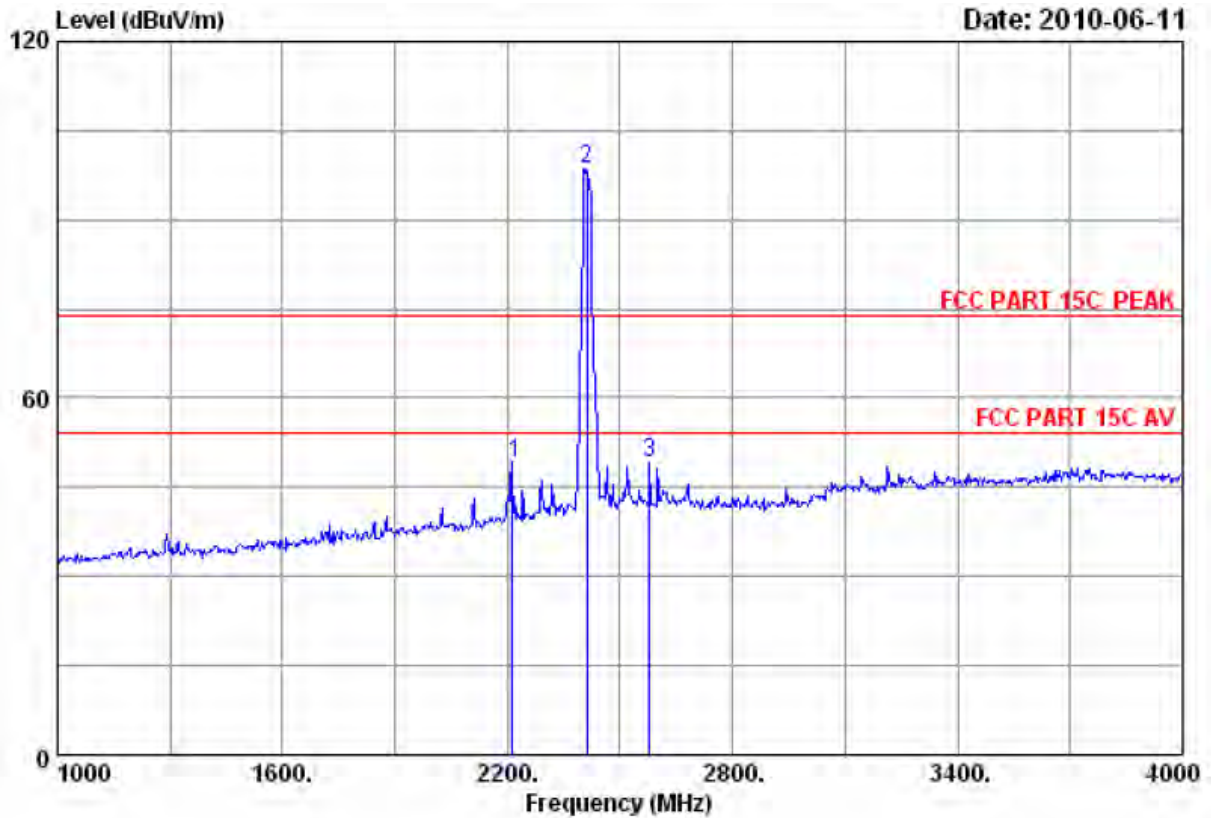
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported



	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	29.44	8.67	36.09	36.70	38.72	54.00	15.28	Average
2	2400.000	29.44	8.72	36.09	42.58	44.65	54.00	9.35	Average
3	2418.100	29.45	8.72	35.95	79.32	81.54	54.00	-27.54	Average

**NOTE:**

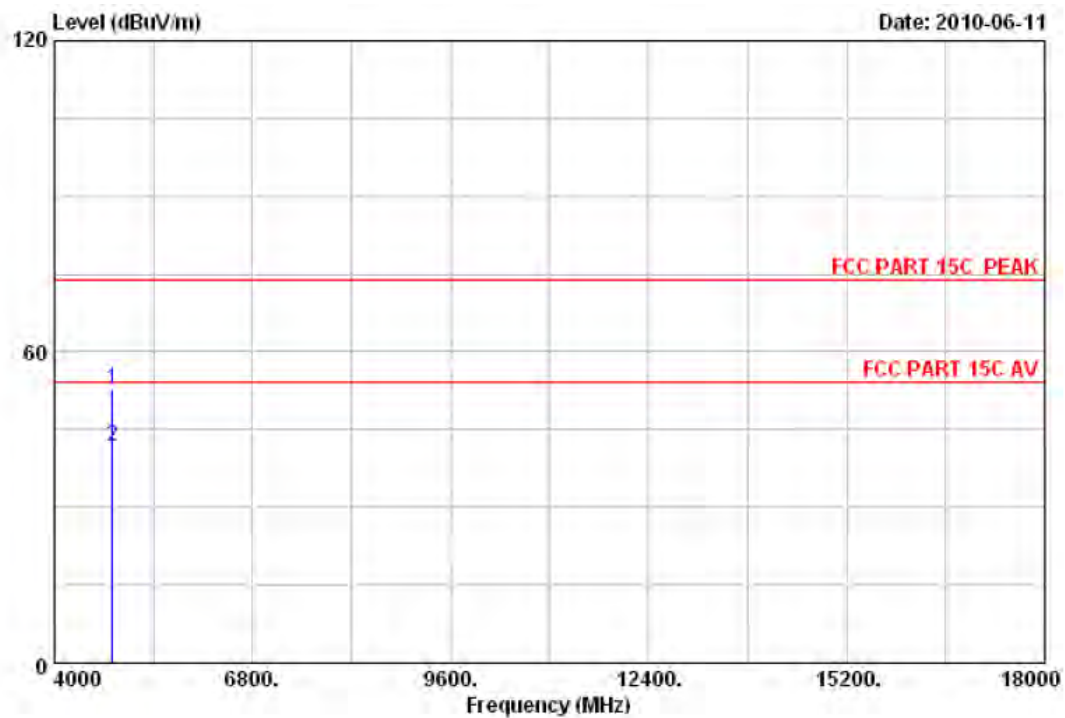
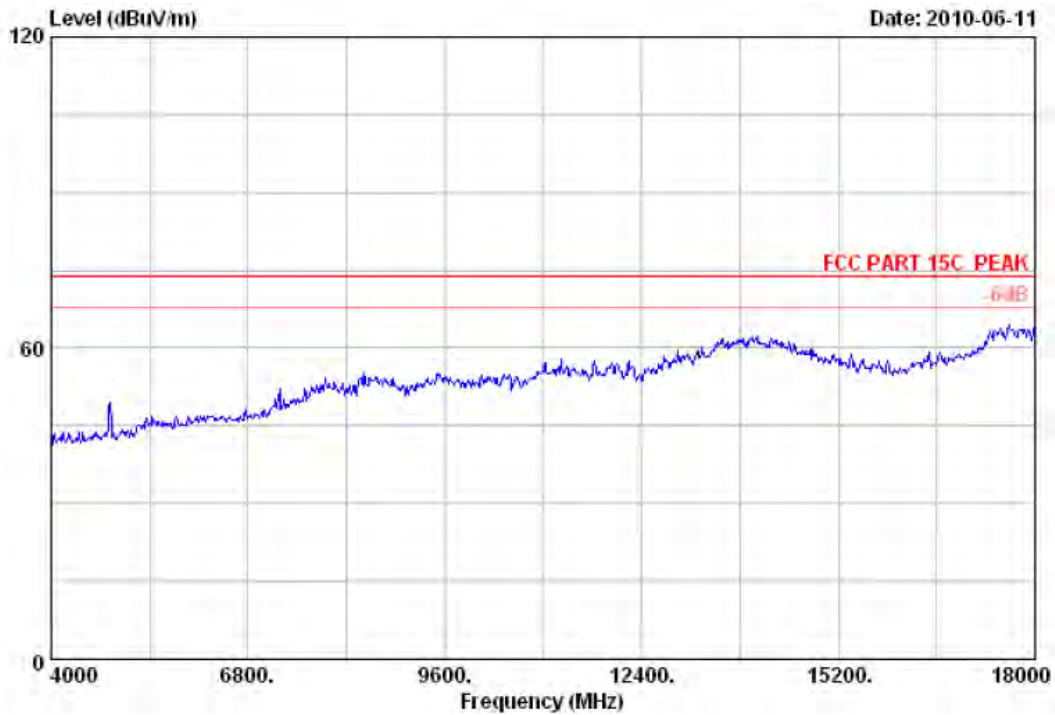
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported



	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dbuv)	(dBuV/m)	(dBuV/m)	(dB)		
1	28.19	8.36	36.02	50.78	51.31	74.00	22.69	Peak	
2	28.48	8.60	35.95	94.56	95.69	74.00	-21.69	Peak	
3	28.87	9.21	35.78	46.80	49.10	74.00	24.90	Peak	

**NOTE:**

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported



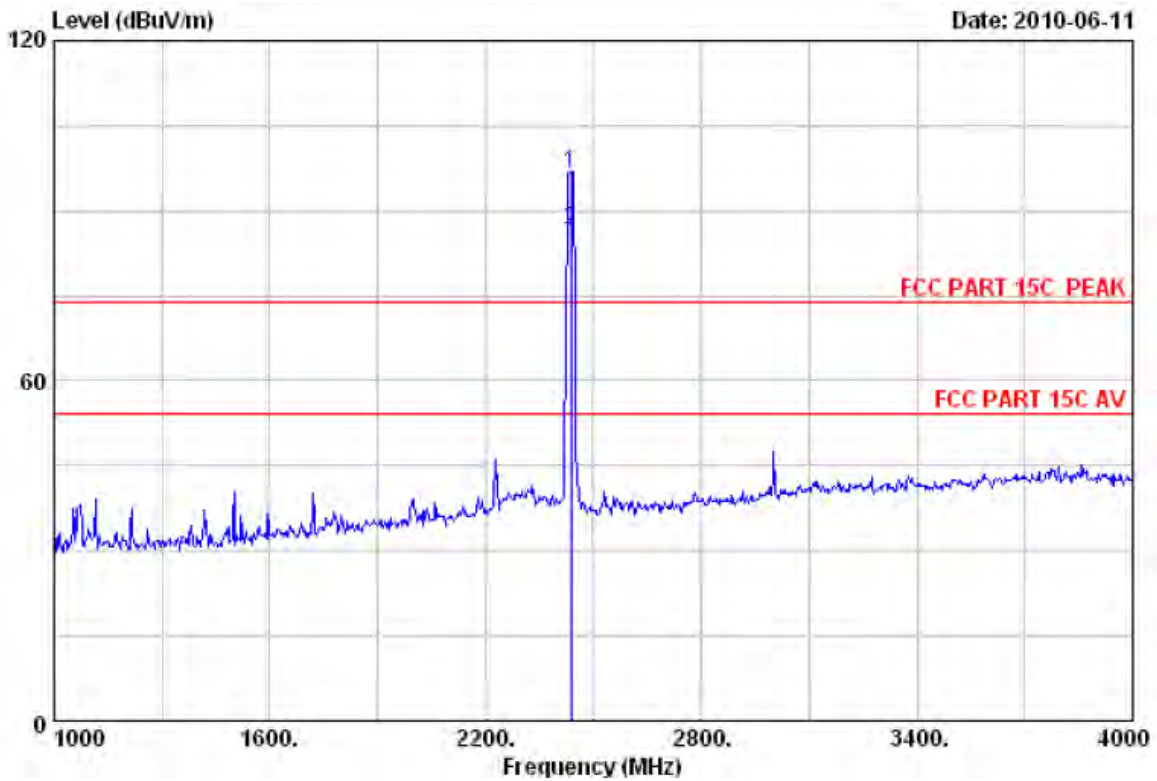
	Ant.	Cable	Amp.	Emission					
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	4824.000	34.32	12.38	35.25	41.48	52.93	74.00	21.07	Peak
2	4824.000	34.32	12.38	35.25	30.25	41.70	54.00	12.30	Average

**NOTE:**

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported
- (3) Data of measurement within the frequency range 18GHz to 25GHz is too low to be measured.



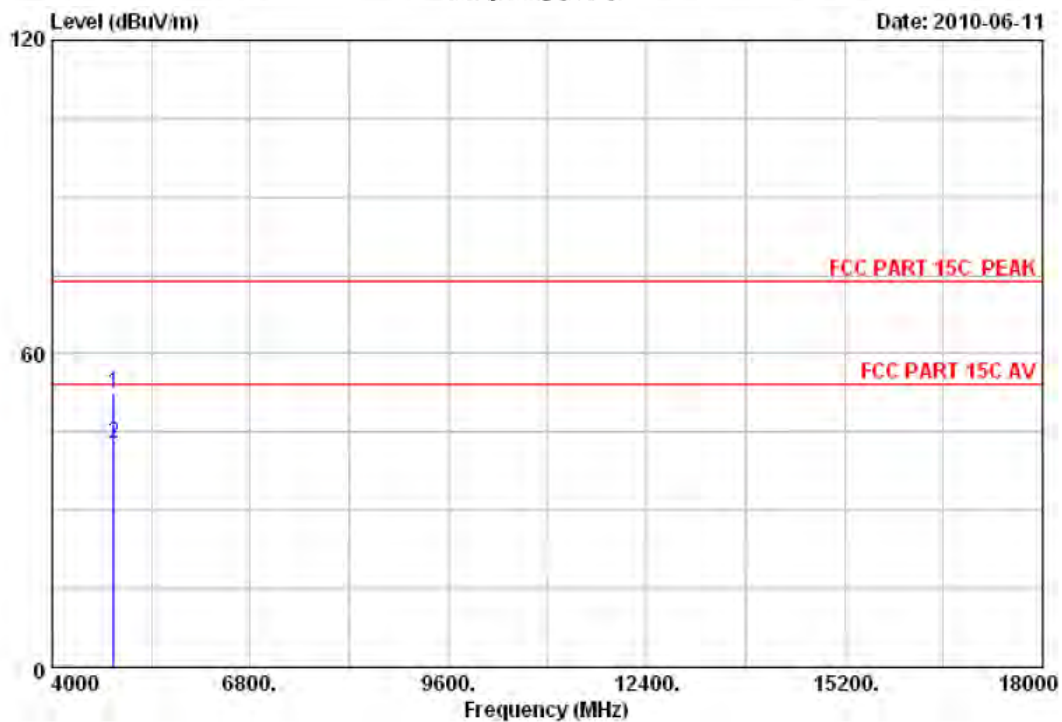
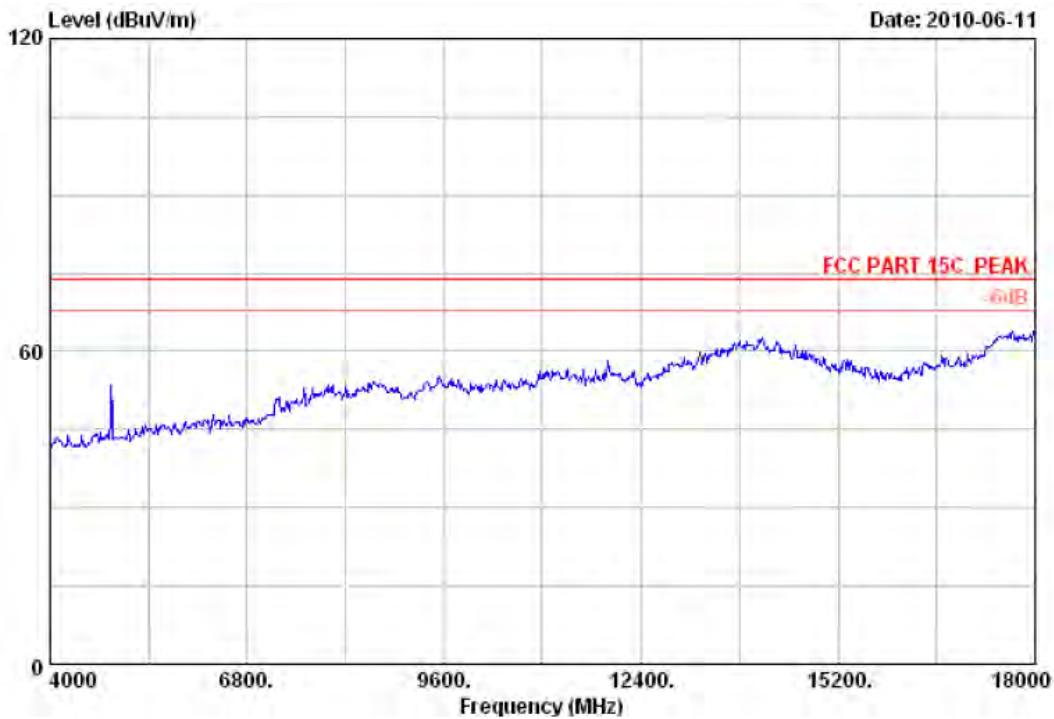
EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Antenna H/V :	Horizontal		
Test Mode :	TX G MODE CHANNEL 06		



	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	29.47	8.77	36.06	94.40	96.58	74.00	-22.58	Peak
2	2437.000	29.47	8.77	36.06	84.23	86.41	54.00	-32.41	Average

**NOTE:**

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported

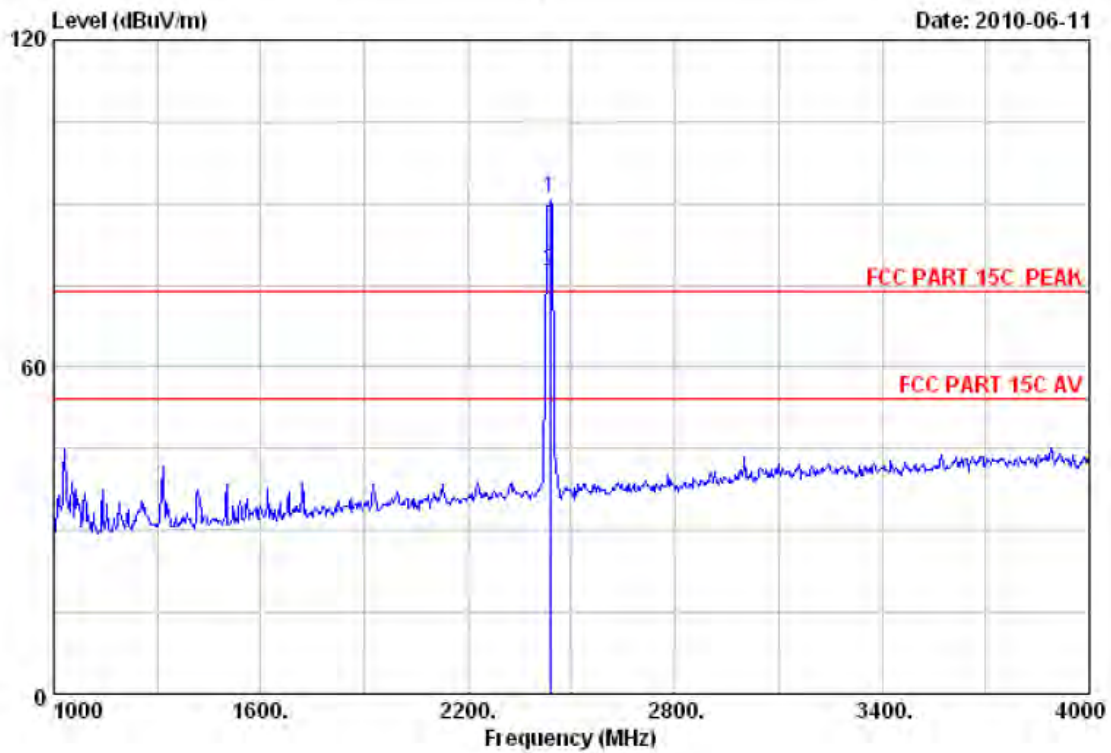


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.41	12.44	35.36	40.87	52.36	74.00	21.64	Peak
2	4874.000	34.41	12.44	35.36	31.27	42.76	54.00	11.24	Average

NOTE:

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported
- (3) Data of measurement within the frequency range 18GHz to 25GHz is too low to be measured.

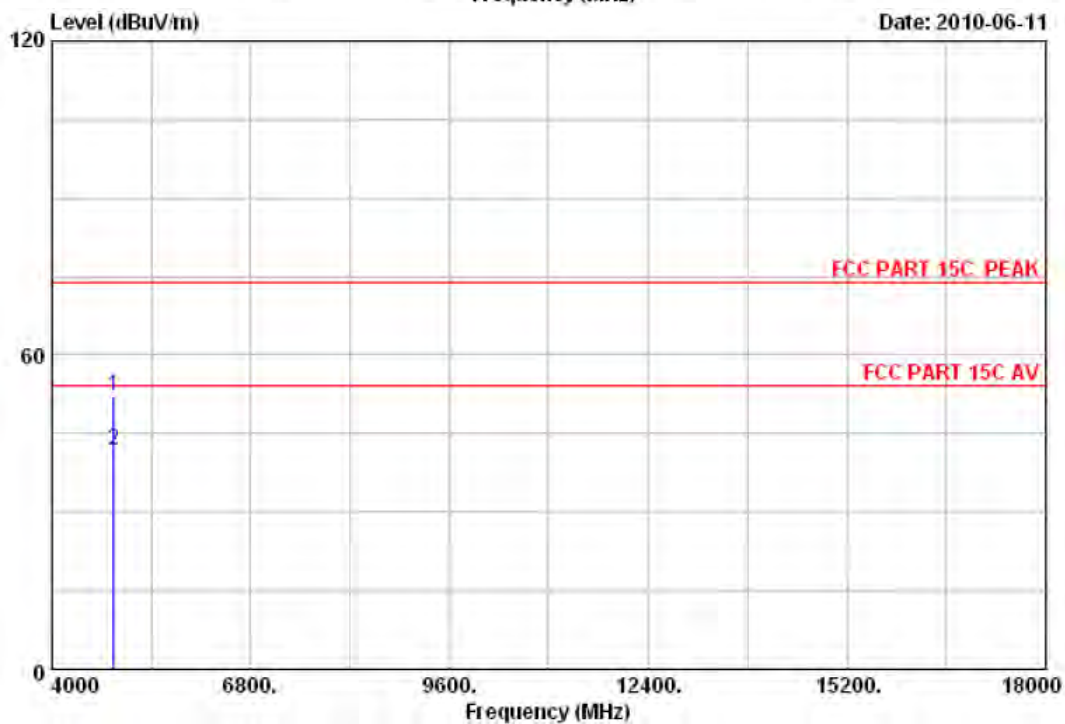
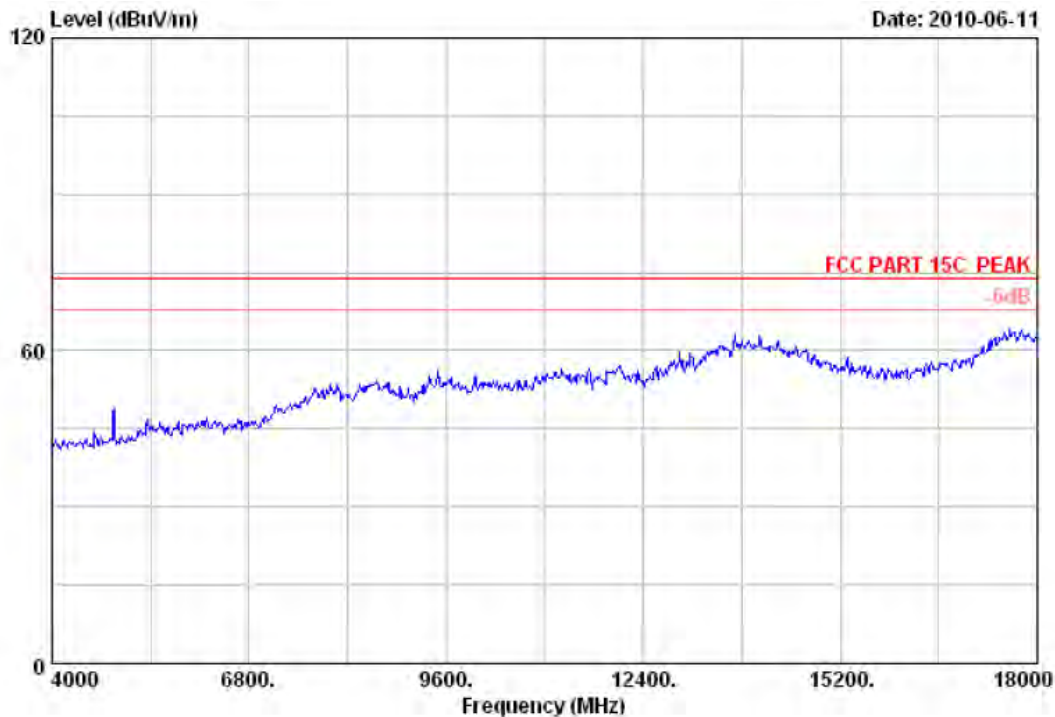
EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Antenna H/V :	Vertical		
Test Mode :	TX G MODE CHANNEL 06		



	Ant.	Cable	Amp.	Emission				
Freq. (MHz)	Factor (dB/m)	loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2437.000	29.47	8.77	36.06	88.63	90.81	74.00	-16.81	Peak
2 2437.000	29.47	8.77	36.06	75.36	77.54	54.00	-23.54	Average

**NOTE:**

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported

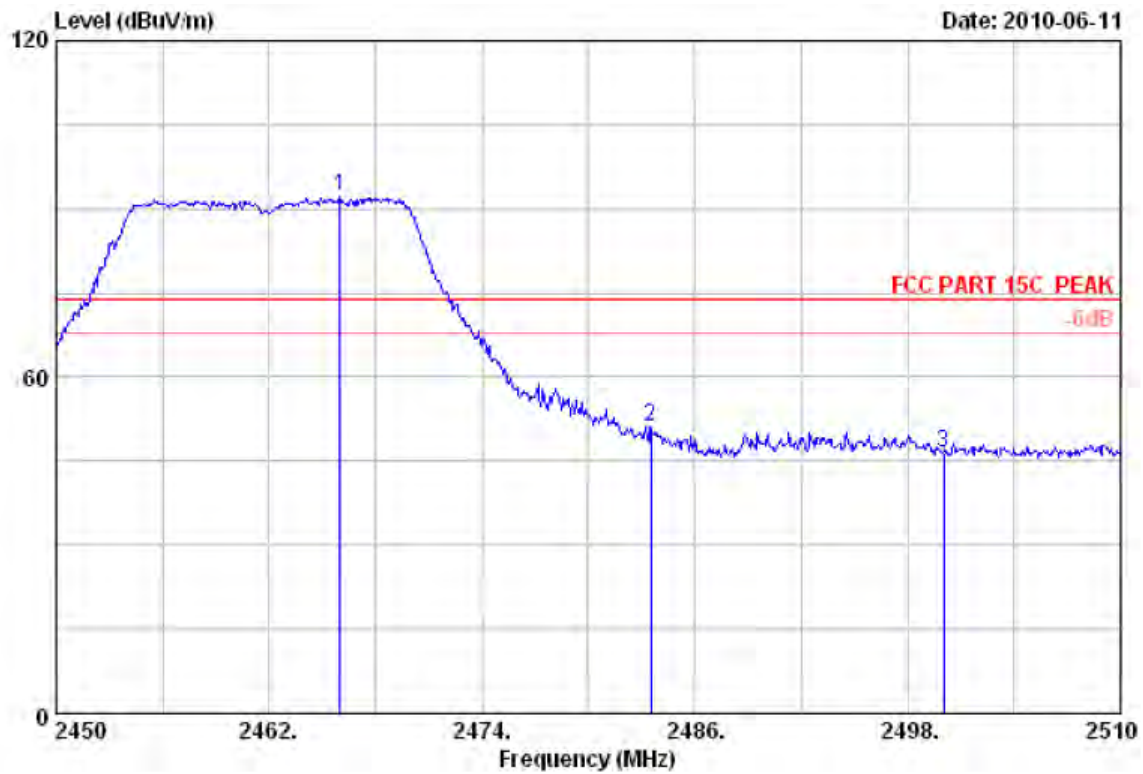


	Ant.	Cable	Amp.	Emission		Limits	Margin	Remark	
Freq.	Factor	loss	Factor	Reading	Level	(dBUV/m)	(dB)		
(MHz)	(dB/m)	(dB)	(dB)	(dBUV)	(dBUV/m)				
1	4874.000	34.41	12.44	35.36	40.59	52.08	74.00	21.92	Peak
2	4874.000	34.41	12.44	35.36	30.24	41.73	54.00	12.27	Average

NOTE:

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported
- (3) Data of measurement within the frequency range 18GHz to 25GHz is too low to be measured.

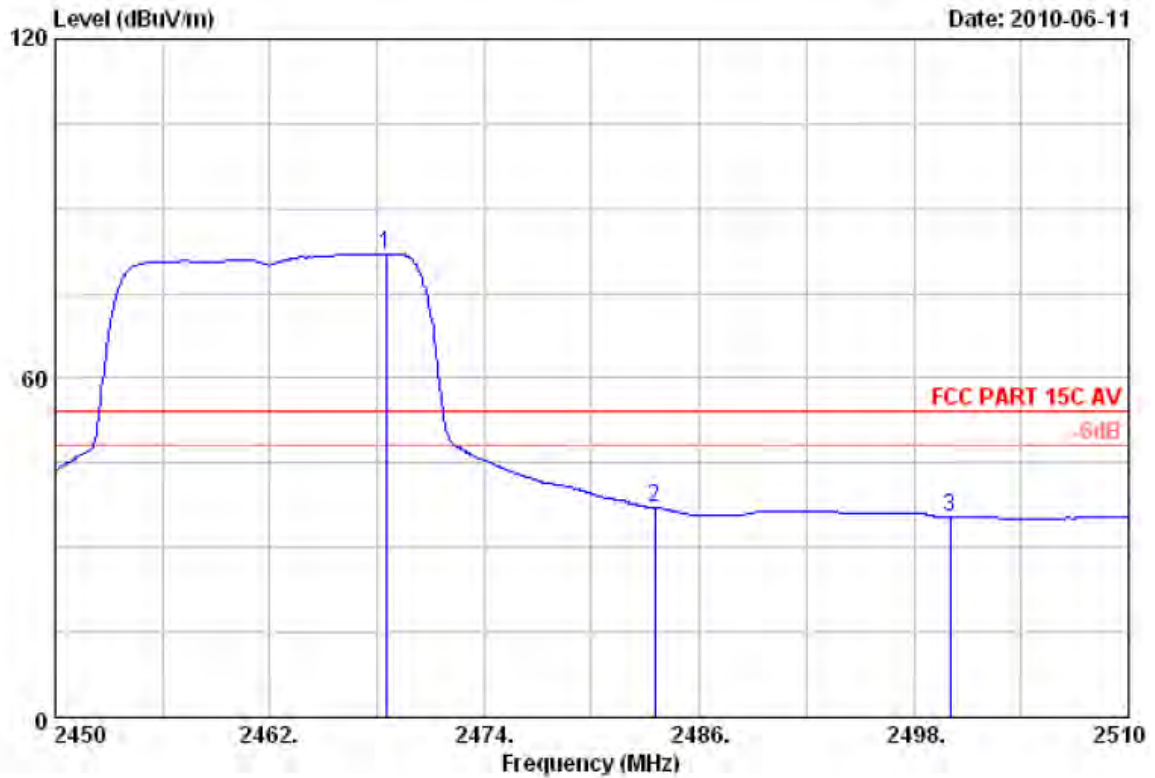
EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Antenna H/V :	Vertical		
Test Mode :	TX G MODE CHANNEL 11		



	Ant. Factor	Cable loss	Amp. Factor	Reading	Emission Level	Limits	Margin	Remark
Freq. (MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2466.020	29.48	8.82	36.02	89.92	92.20	74.00	-18.20	Peak
2 2483.500	29.49	8.87	35.97	48.63	51.02	74.00	22.98	Peak
3 2500.000	29.50	8.92	36.00	44.19	46.61	74.00	27.39	Peak

**NOTE:**

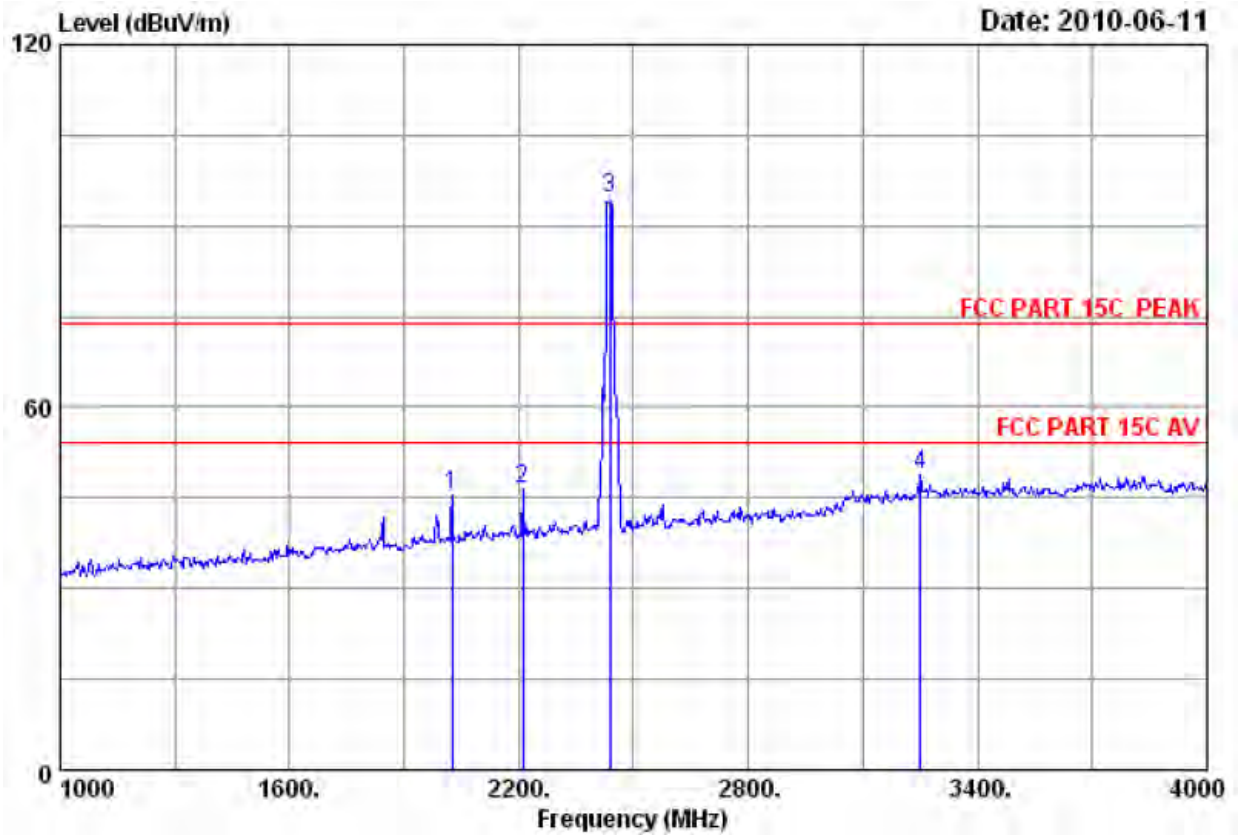
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2468.480	29.48	8.82	36.02	79.72	82.00	54.00	-28.00	Average
2	2483.500	29.49	8.87	35.97	34.72	37.11	54.00	16.89	Average
3	2500.000	29.50	8.92	36.00	32.95	35.37	54.00	18.63	Average

NOTE:

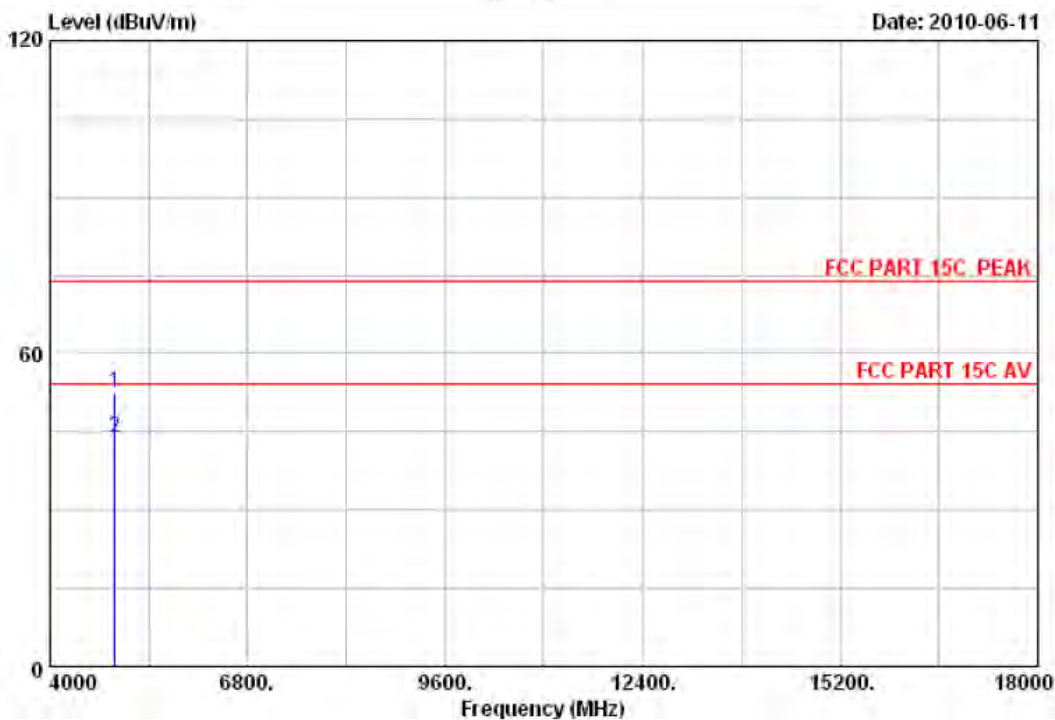
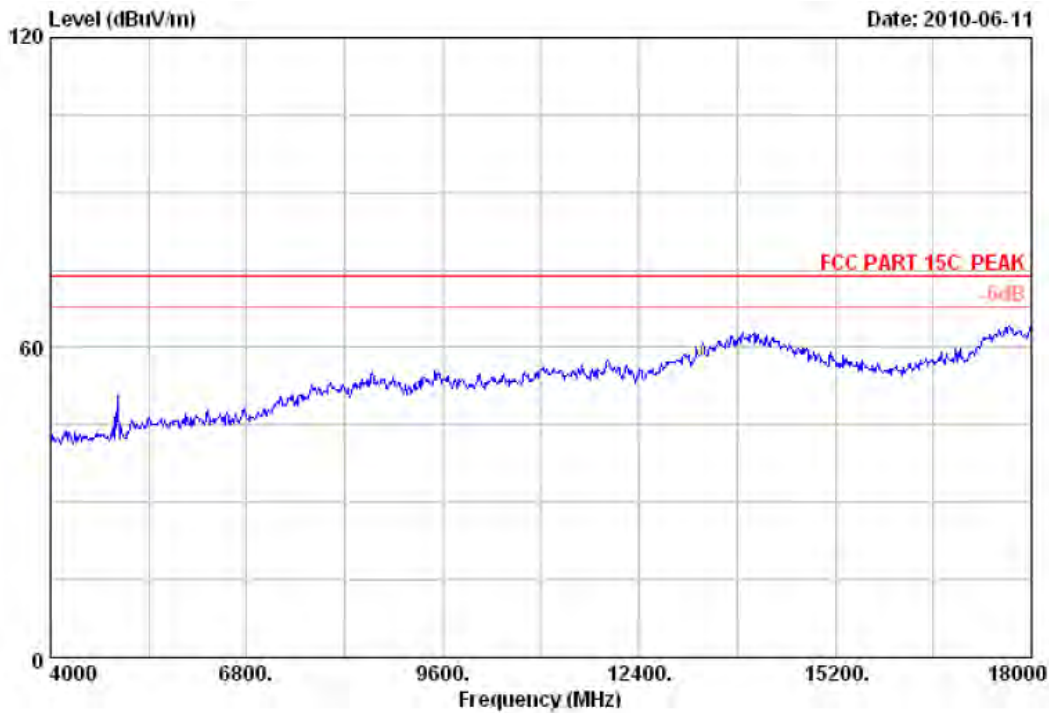
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported



	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2026.000	27.92	7.80	36.12	45.71	45.31	74.00	28.69	Peak
2	2209.000	28.19	8.36	36.02	45.80	46.33	74.00	27.67	Peak
3	2462.000	28.55	8.76	36.02	93.57	94.86	74.00	-20.64	Peak
4	3250.000	30.88	10.19	35.68	43.38	48.77	74.00	25.23	Peak

NOTE:

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported



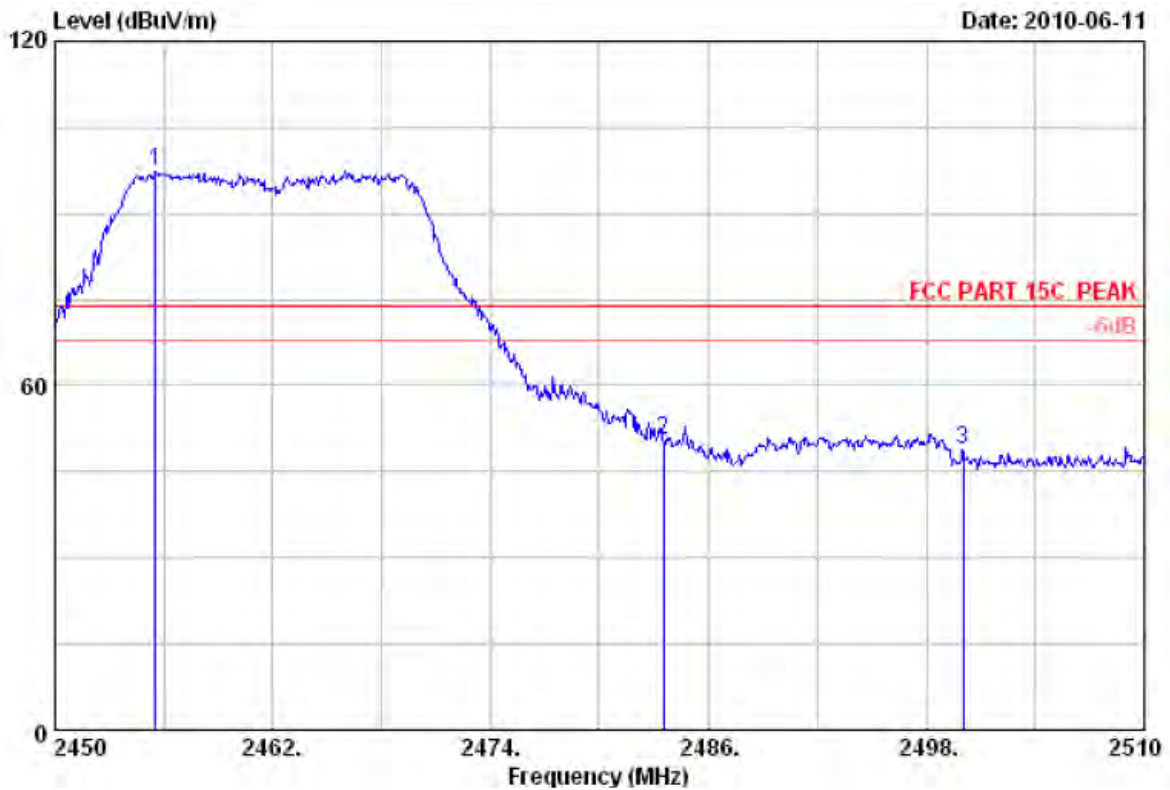
	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.49	12.50	35.34	40.91	52.56	74.00	21.44	Peak
2	4924.000	34.49	12.50	35.34	32.18	43.83	54.00	10.17	Average

NOTE:

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported
- (3) Data of measurement within the frequency range 18GHz to 25GHz is too low to be measured.



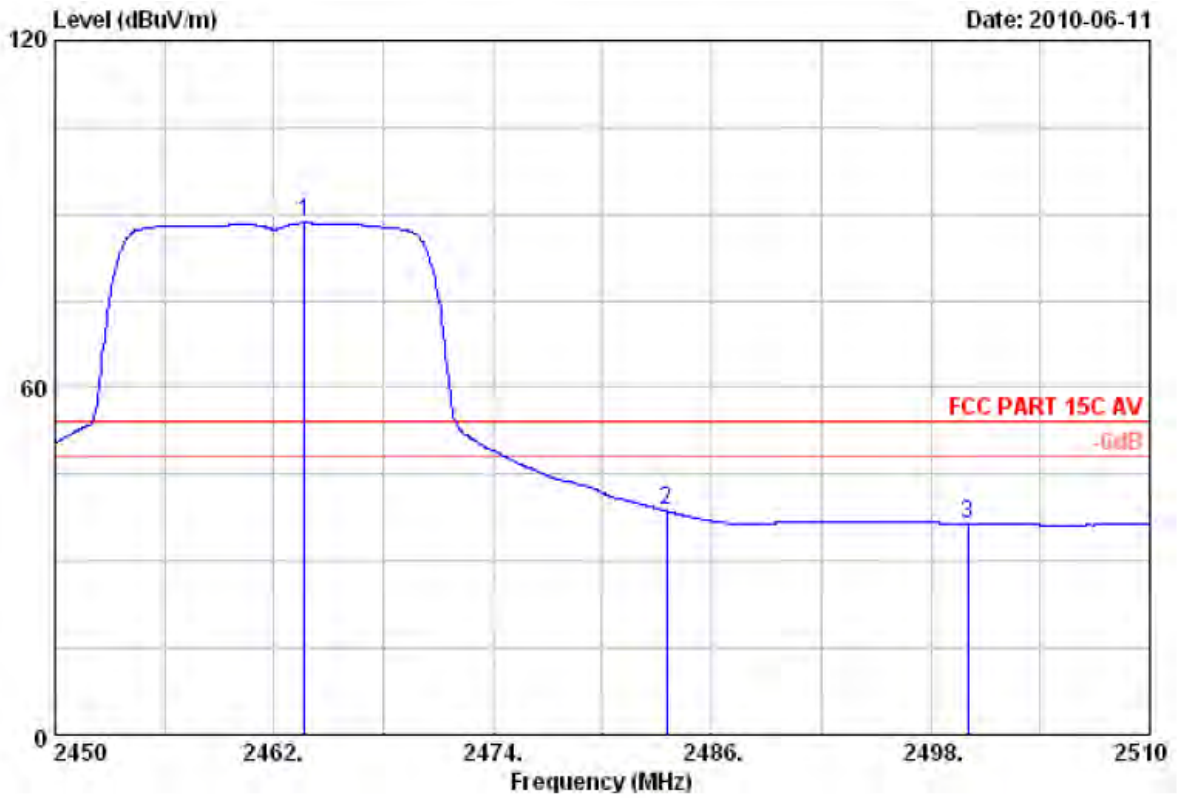
EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Antenna H/V :	Horizontal		
Test Mode :	TX G MODE CHANNEL 11		



	Ant.	Cable	Amp.	Emission					
Freq. (MHz)	Factor (dB/m)	loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1	2455.520	29.48	8.82	36.02	95.05	97.33	74.00	-23.33	Peak
2	2483.500	29.49	8.87	35.97	48.21	50.60	74.00	23.40	Peak
3	2500.000	29.50	8.92	36.00	46.34	48.76	74.00	25.24	Peak

NOTE:

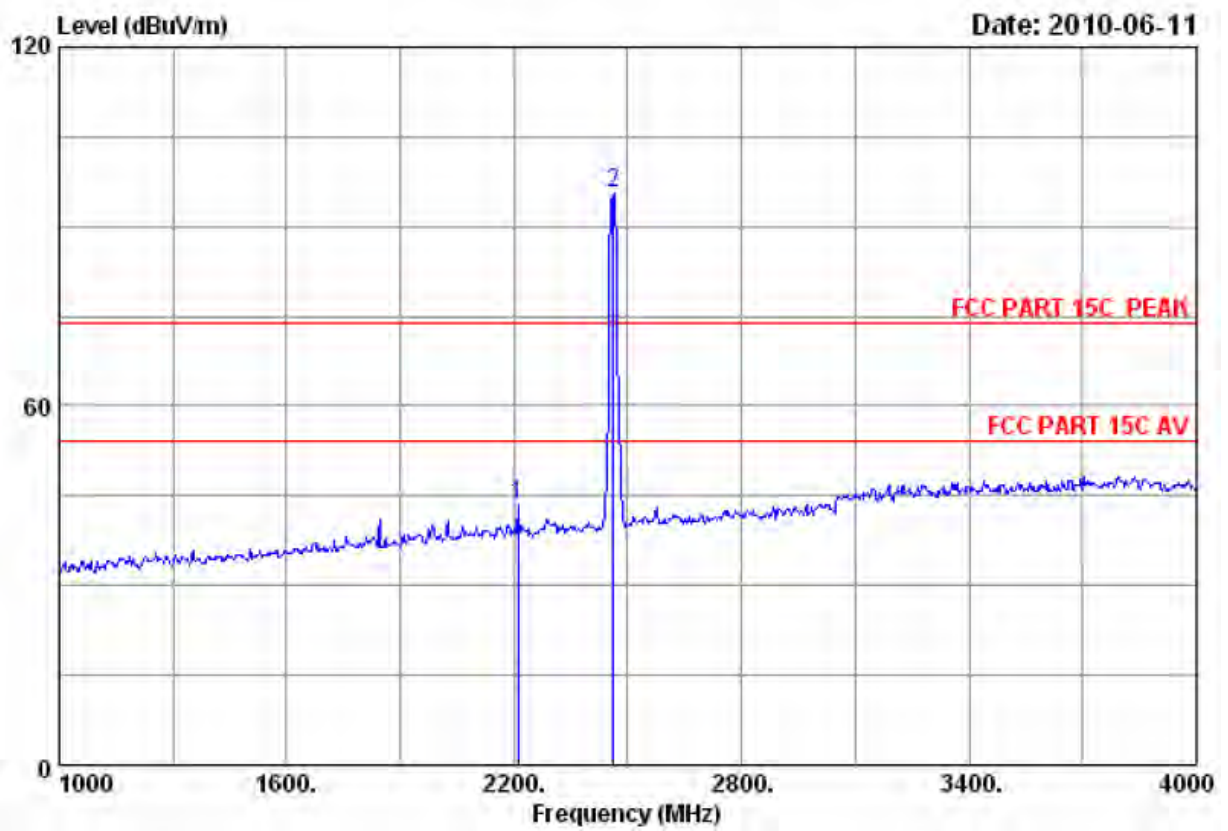
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported



	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.680	29.48	8.82	36.02	86.19	88.47	54.00	-34.47	Average
2	2483.500	29.49	8.87	35.97	36.28	38.67	54.00	15.33	Average
3	2500.000	29.50	8.92	36.00	34.08	36.50	54.00	17.50	Average

NOTE:

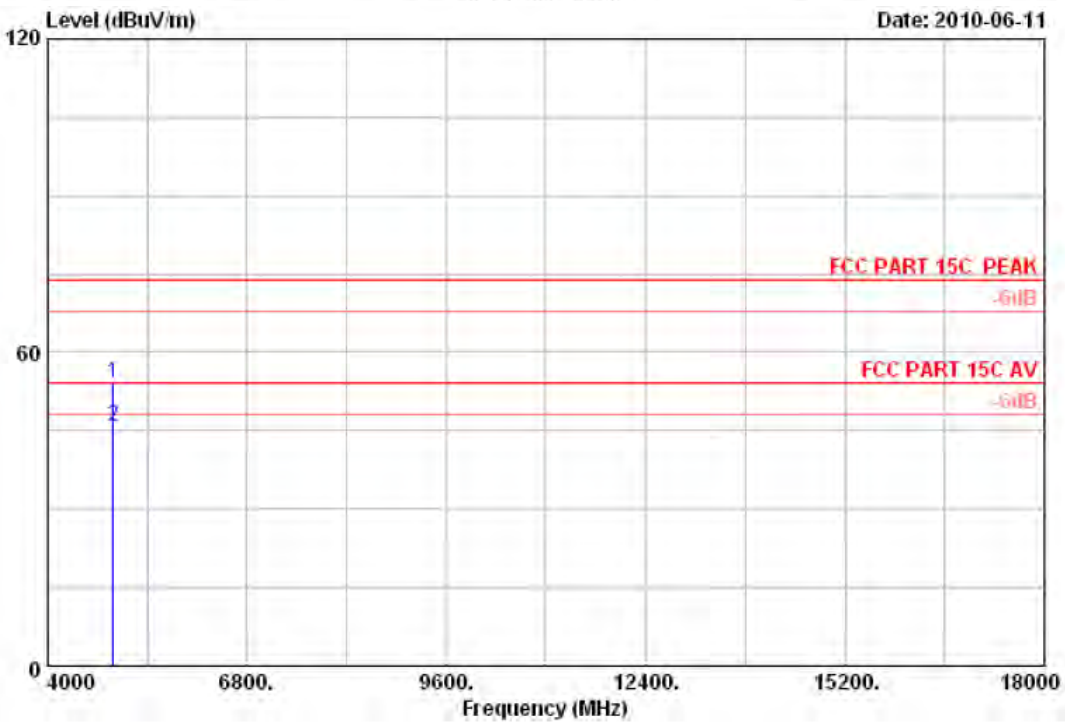
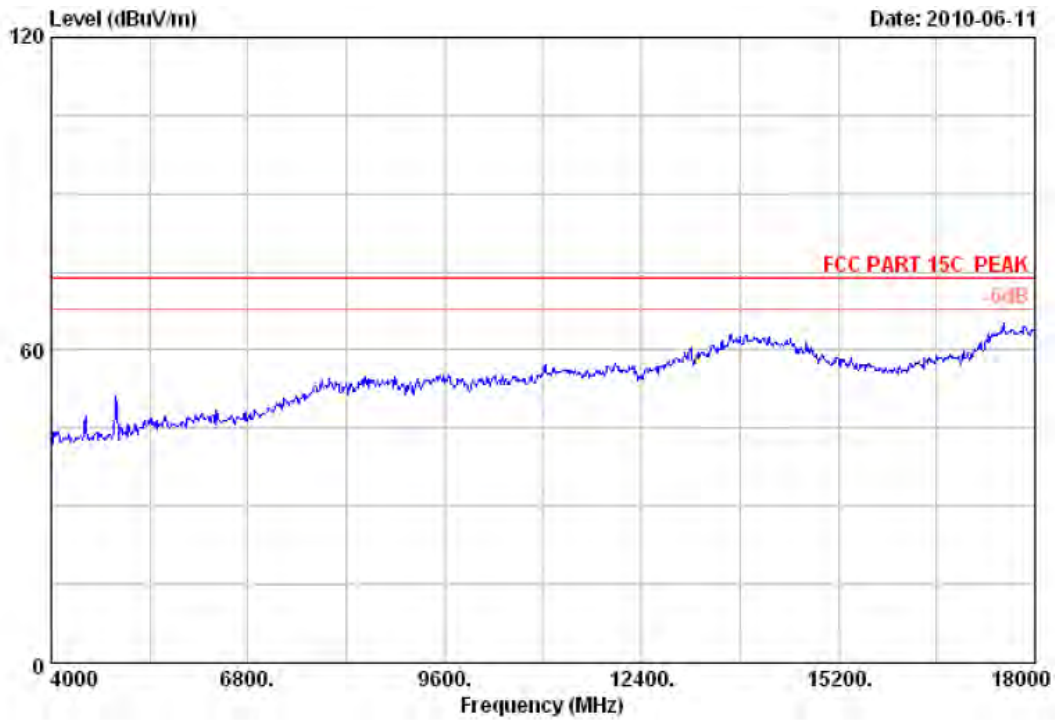
- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2209.000	28.19	8.36	36.02	43.08	43.61	74.00	30.39	Peak
2	2462.000	28.55	8.76	36.02	94.26	95.55	74.00	-21.55	Peak

NOTE:

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB bellow the official limit are not reported



	Ant. Freq. (MHz)	Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.49	12.50	35.34	42.58	54.23	74.00	19.77	Peak
2	4924.000	34.49	12.50	35.34	34.02	45.67	54.00	8.33	Average

NOTE:

- (1) Emission Level=Antenna Factor + Cable loss-Amp Factor + Reading.
- (2) The emission levels are 20dB below the official limit are not reported.
- (3) Data of measurement within the frequency range 18GHz to 25GHz is too low to be measured.

## 6. BANDWIDTH TEST

### 6.1. Bandwidth Limits

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

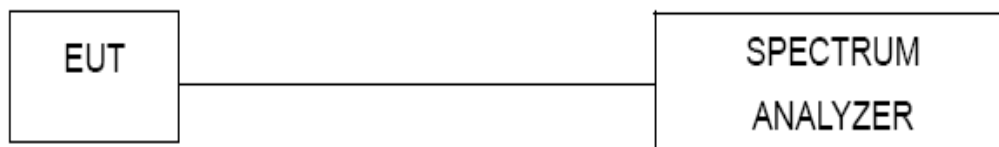
### 6.2. Test Equipment List and Details

Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Date
Spectrum Analyzer	ROHDE& SCHWARZ	FSEA20	DE25181	2009-08-12	2010-08-11

### 6.3. Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- (2) Spectrum Setting : RBW= 100KHz, VBW=100KHz, Sweep time = 20 ms.

### 6.4. Test SET-UP

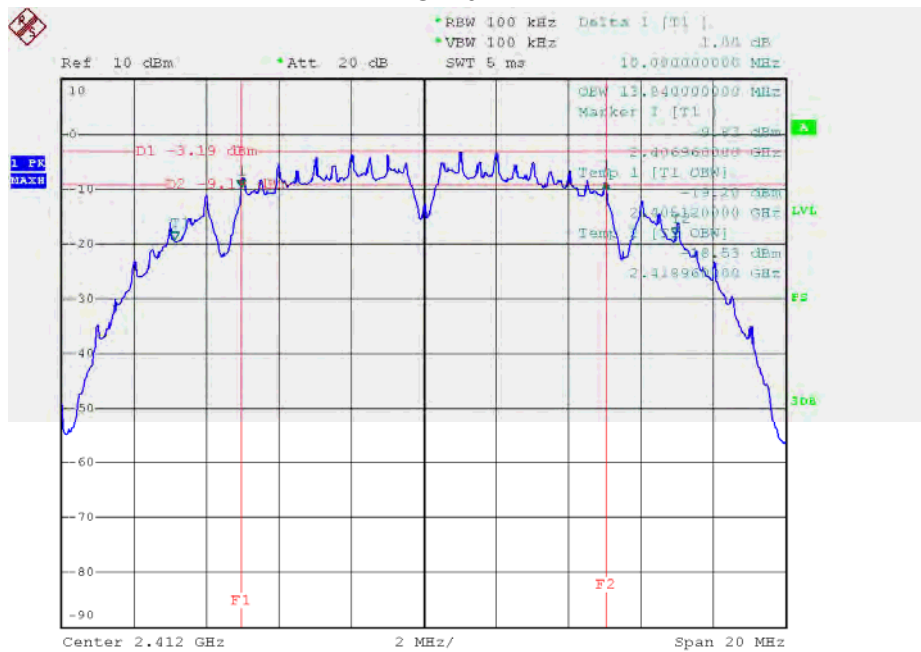


### 6.5. Test Result

EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Test Mode :	TX B MODE CHANNEL 01/06/11		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	99% Occupied BW (MHz)	LIMIT (MHz)
CH01	2412	10.08	13.84	>=500KHz
CH06	2437	10.08	13.96	>=500KHz
CH11	2462	10.04	13.88	>=500KHz

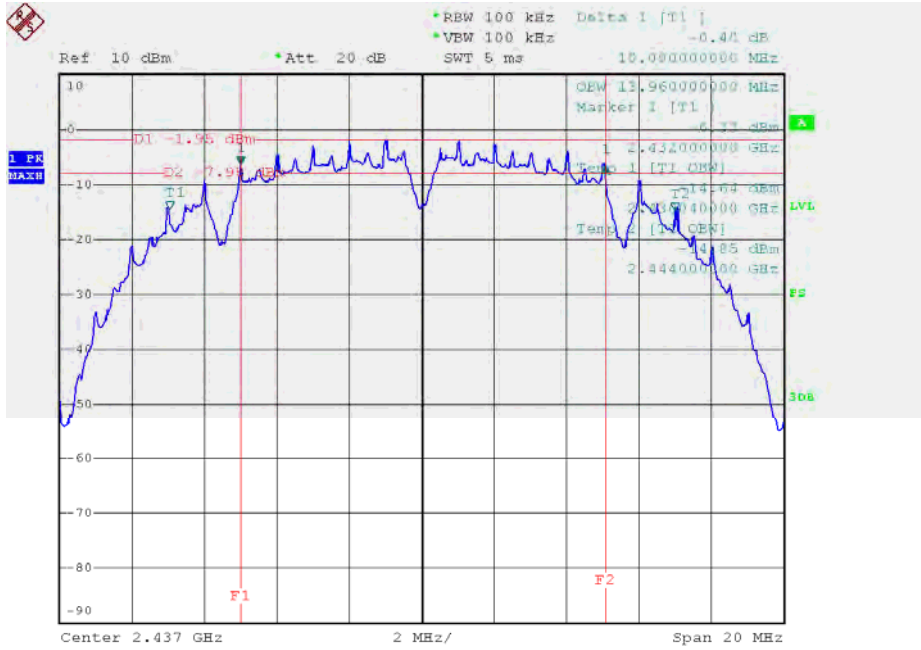
TX CH 01



SLTG

Date: 18.JUN.2010 17:05:33

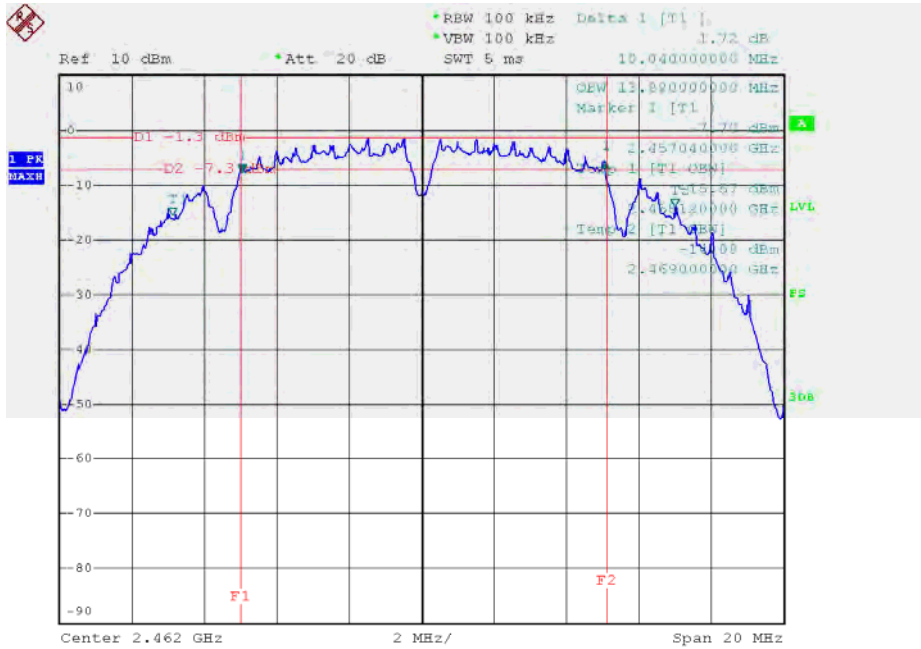
### TX CH 06



SLTG

Date: 18.JUN.2010 17:09:47

### TX CH 11



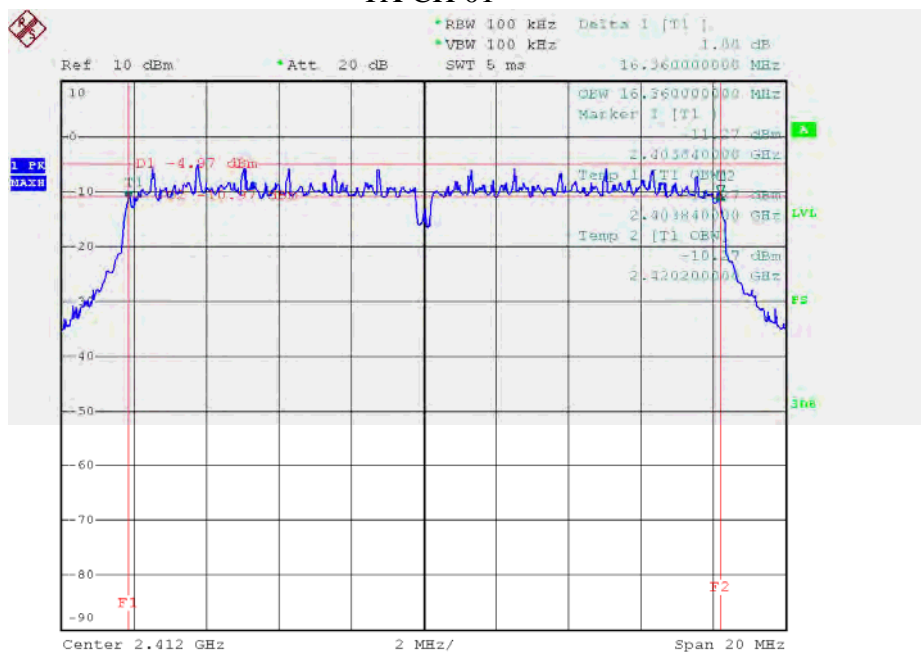
SLTG

Date: 18.JUN.2010 16:35:42

EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Test Mode :	TX G MODE CHANNEL 01/06/11		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	99% Occupied BW (MHz)	LIMIT (MHz)
CH01	2412	16.36	16.36	>=500KHz
CH06	2437	16.44	16.44	>=500KHz
CH11	2462	16.36	16.48	>=500KHz

TX CH 01

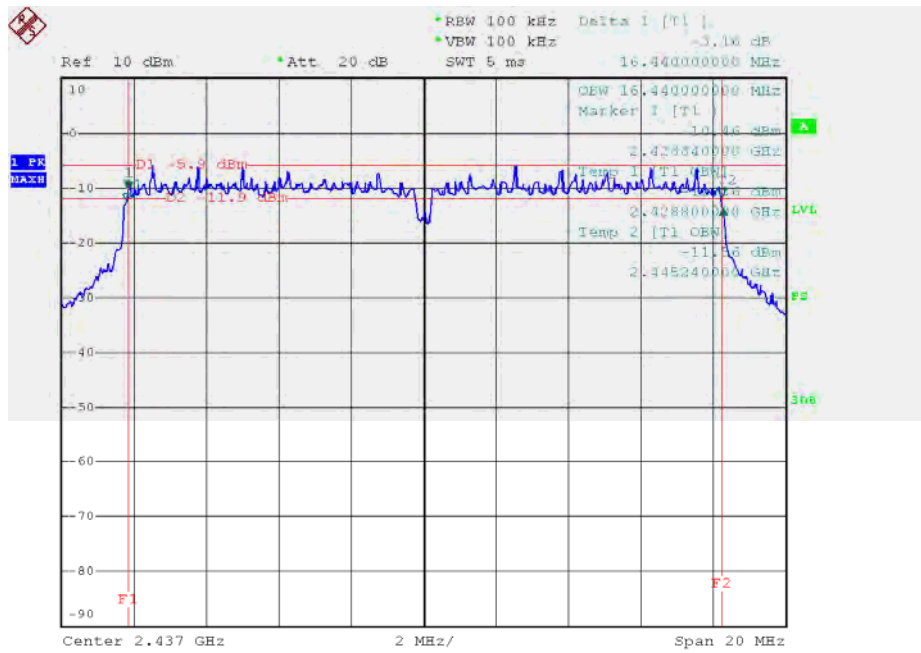


SLTG

Date: 18.JUN.2010 16:49:27



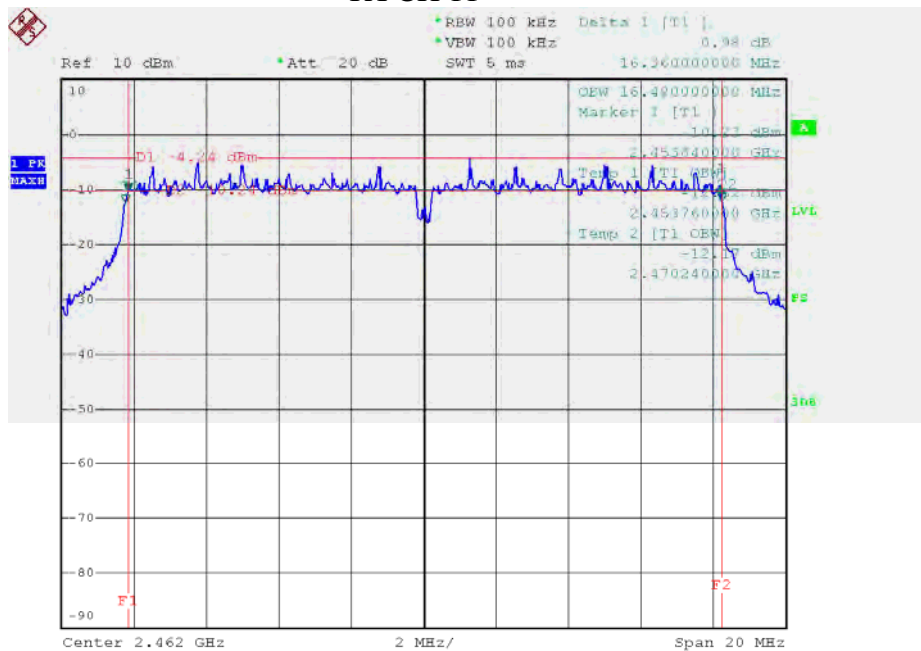
### TX CH 06



SLTG

Date: 18.JUN.2010 16:57:59

### TX CH 11



SLTG

Date: 18.JUN.2010 17:01:09

## 7. PEAK OUTPUT POWER TEST

### 7.1. Limits

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

### 7.2. Test Equipment List and Details

Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Date
Power Meter	Boonton	4232A	29002	2009-11-05	2010-11-05
Power Sensor	Boonton	51024	31286	2009-11-05	2010-11-05

### 7.3. Test Procedure

The EUT was directly connected to the power metter and antenna output port as show in the block diagram below.

### 7.4. Test SET-UP



**7.5. Test Result**

EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Test Mode :	TX B MODE CHANNEL 01/06/11		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH01	2412 MHz	9.24	30	1
CH06	2437 MHz	9.18	30	1
CH11	2462 MHz	9.36	30	1

EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Test Mode :	TX G MODE CHANNEL 01/06/11		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH01	2412 MHz	8.53	30	1
CH06	2437 MHz	8.47	30	1
CH11	2462 MHz	8.62	30	1

## 8. ANTENNA CONDUCTED SPURIOUS EMISSION

### 8.1. Limits

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

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

### 8.2. Test Equipment List and Details

Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Date
Spectrum Analyzer	ROHDE& SCHWARZ	FSEA20	DE25181	2009-08-12	2010-08-11

### 8.3. Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- (2) Spectrum Setting : RBW= 100KHz, VBW=100KHz, Sweep time = 10 ms.

### 8.4. Test SET-UP



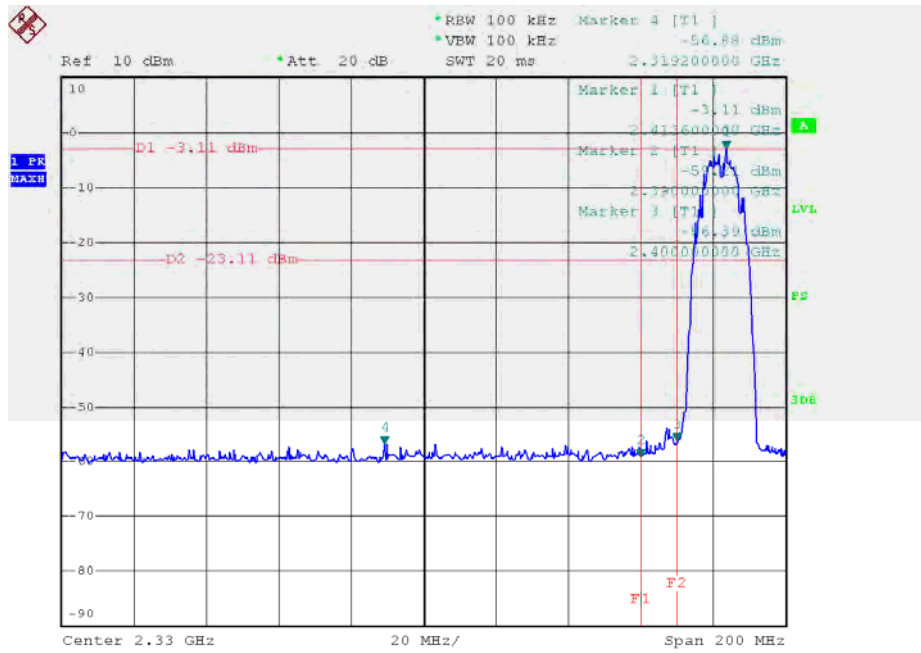
**8.5. Test Result(Band Edge)**

EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Test Mode :	TX B MODE CHANNEL 01/11		

## Channel of Worst Data: CH 01

The max. radio frequency power in any 100kHz bandwidth outside the frequency band		The max. radio frequency power in any 100 kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
2319.20	-56.88	2494.00	-57.43
Result			
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.			

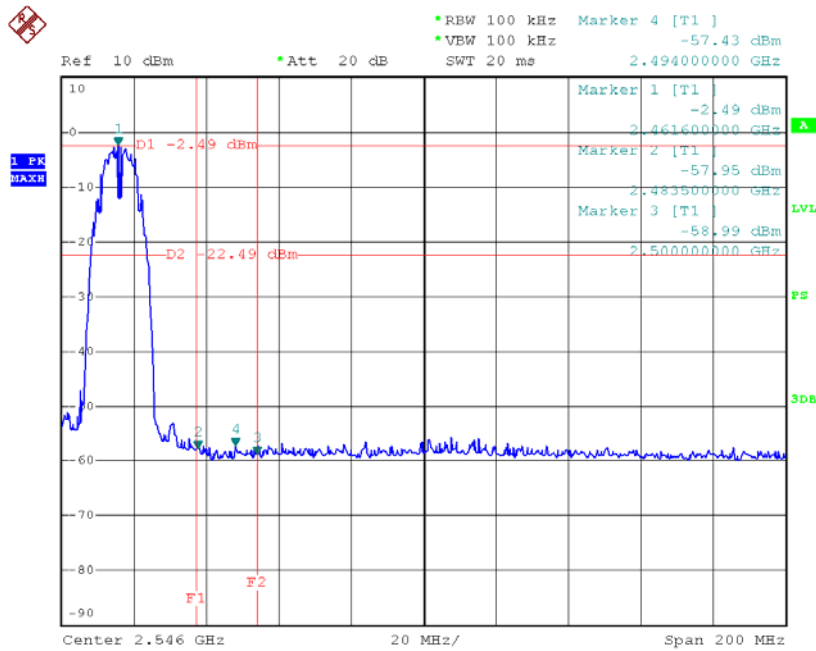
### TX CH 01



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Date: 18.JUN.2010 16:14:25

### TX CH 11



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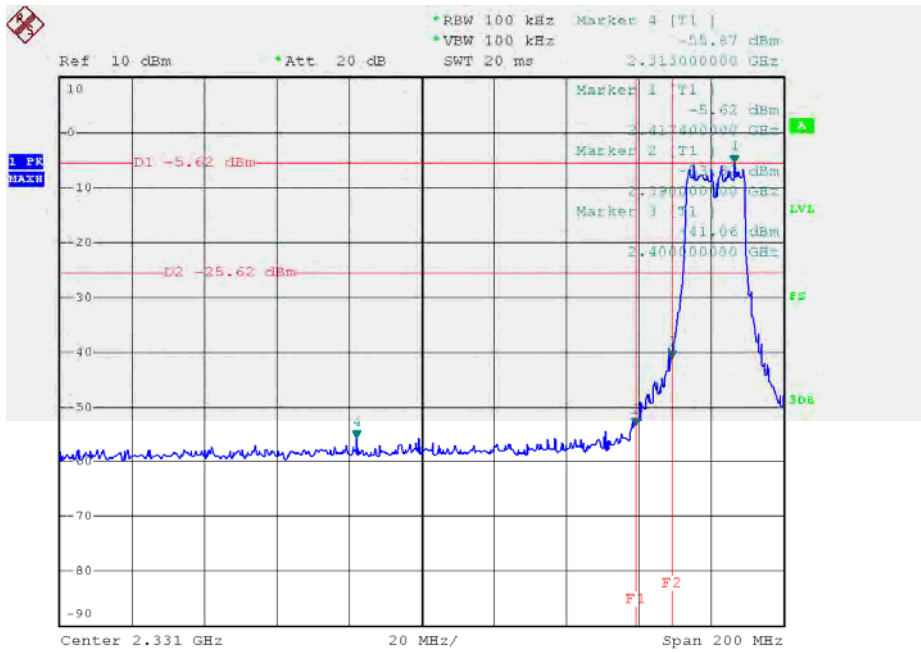
Date: 18.JUN.2010 16:32:35

EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Test Mode :	TX G MODE CHANNEL 01/11		

## Channel of Worst Data: CH 01

The max. radio frequency power in any 100kHz bandwidth outside the frequency band		The max. radio frequency power in any 100 kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
2313.00	-55.87	2494.00	-55.93
Result			
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.			

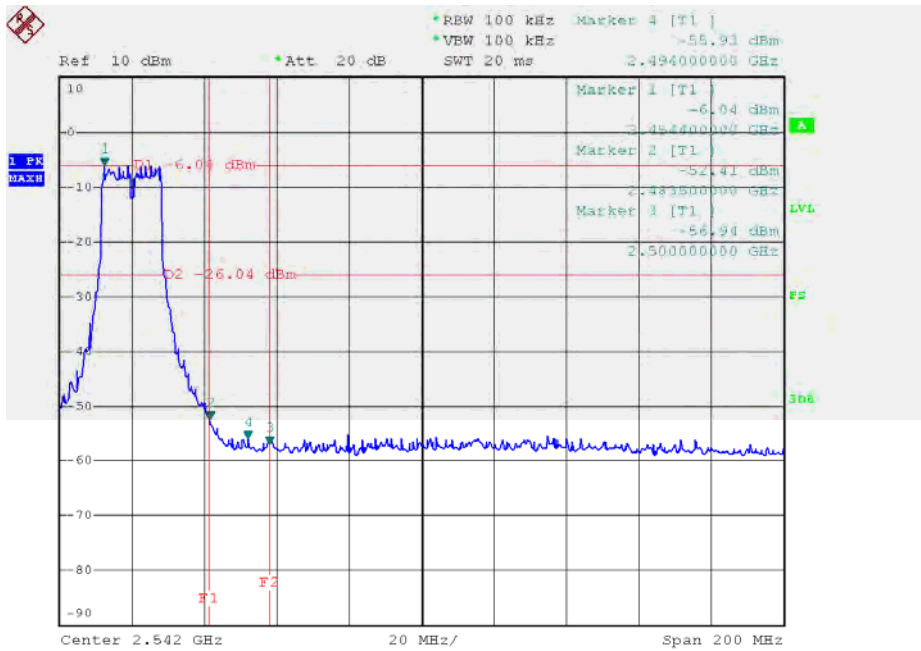
TX CH 01



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Date: 18.JUN.2010 15:43:29

TX CH 11



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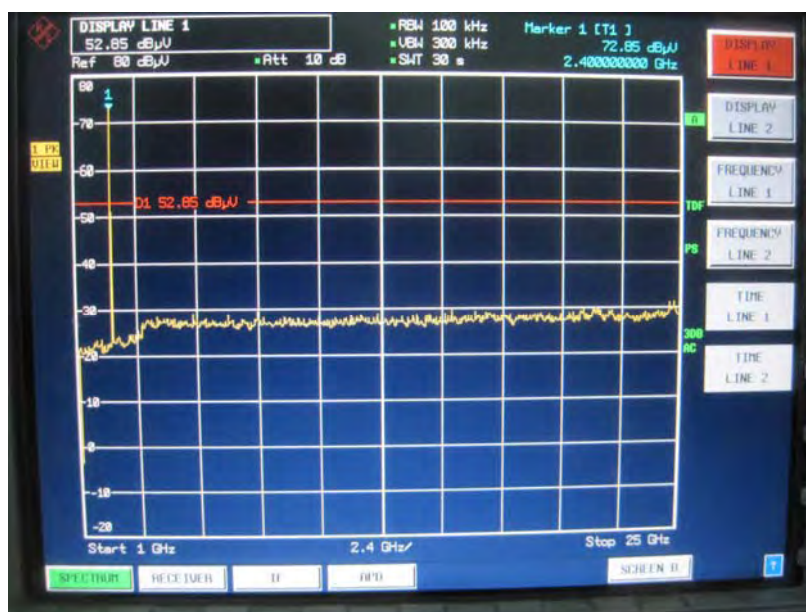
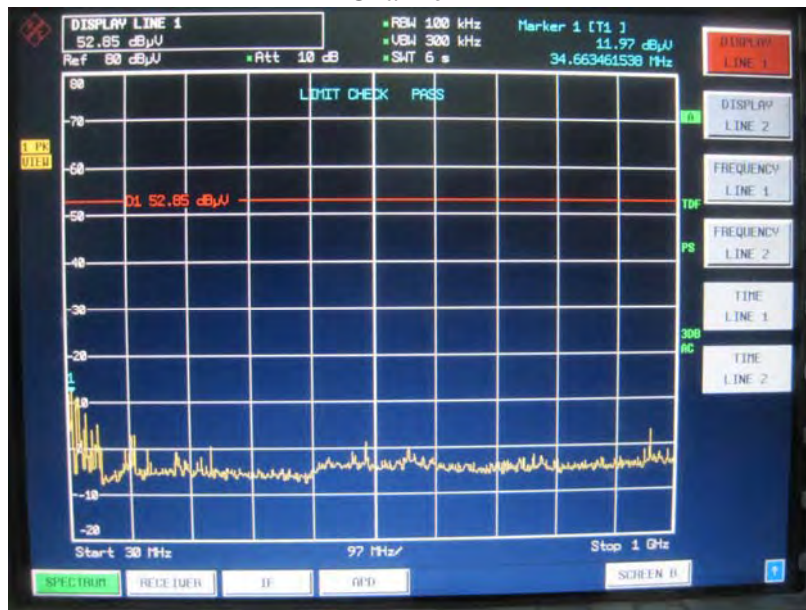
Date: 18.JUN.2010 16:01:54



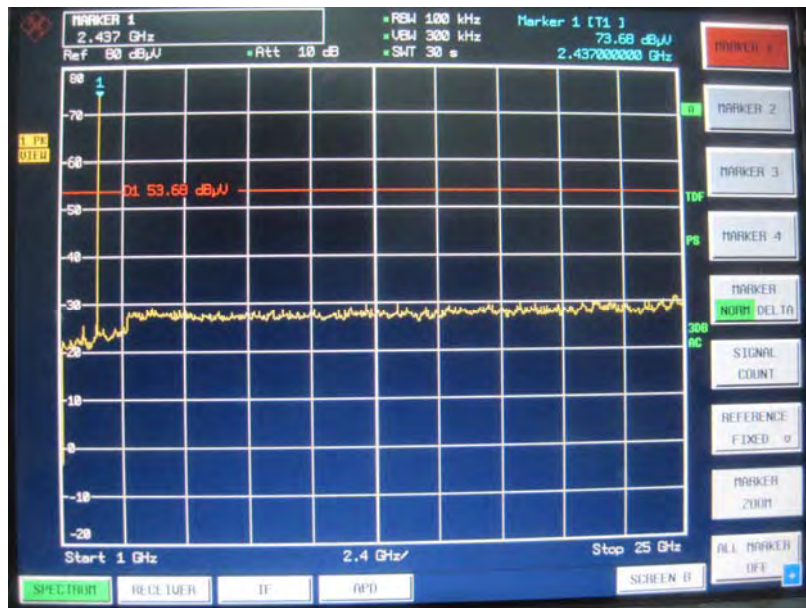
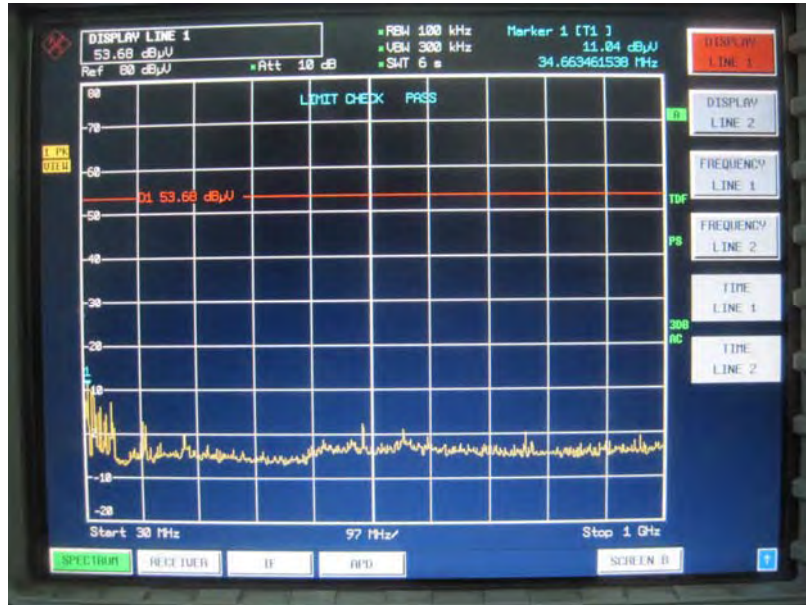
### 8.6. Test Result(Spurious Emissions)

EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Test Mode :	TX B MODE		

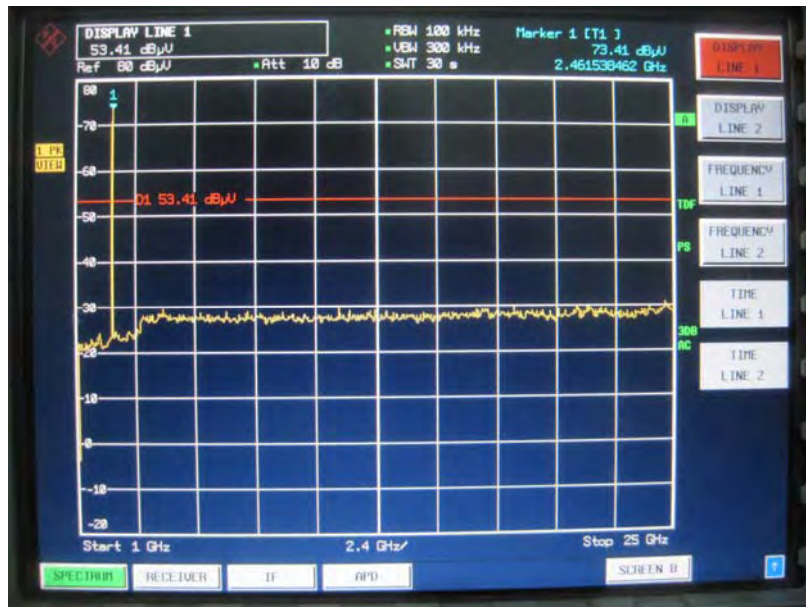
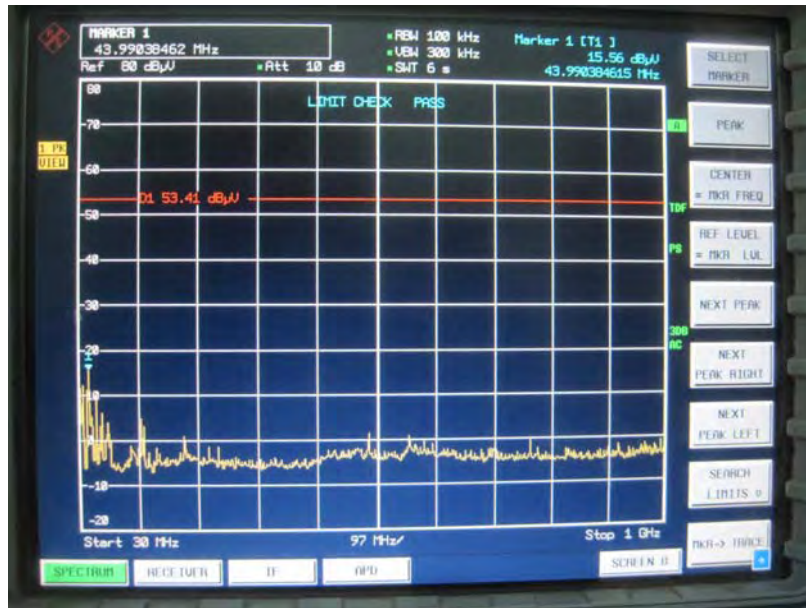
Channel 1



### Channel 6

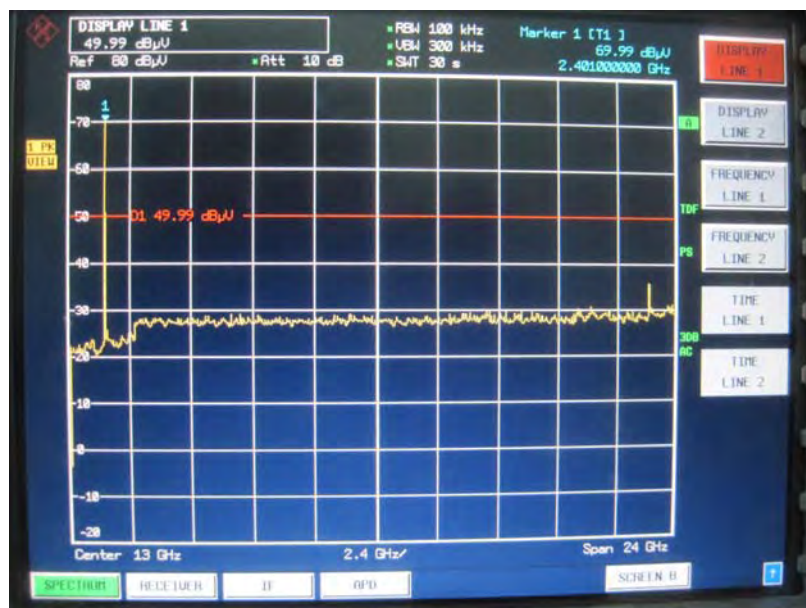
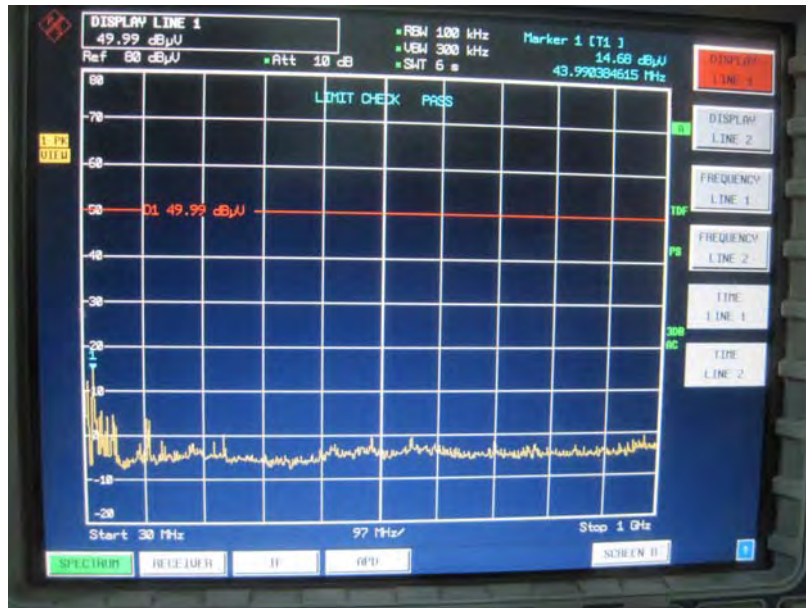


### Channel 11

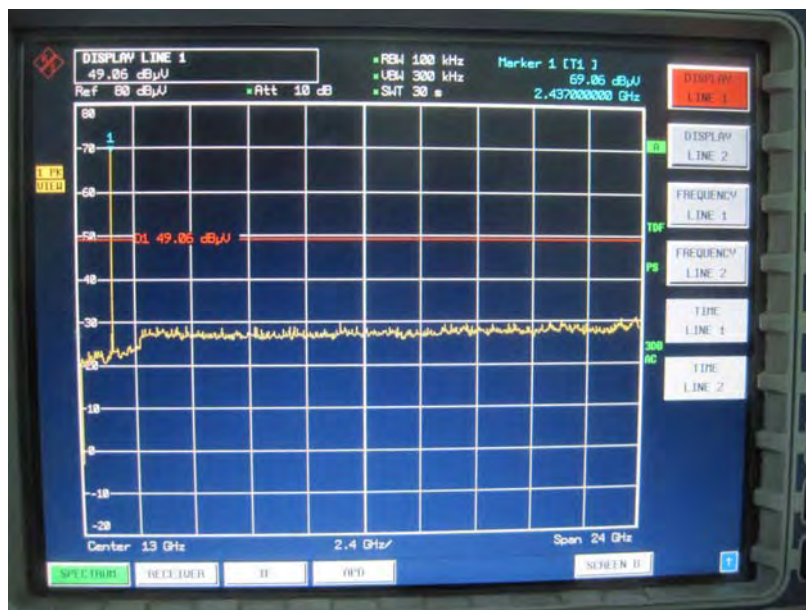
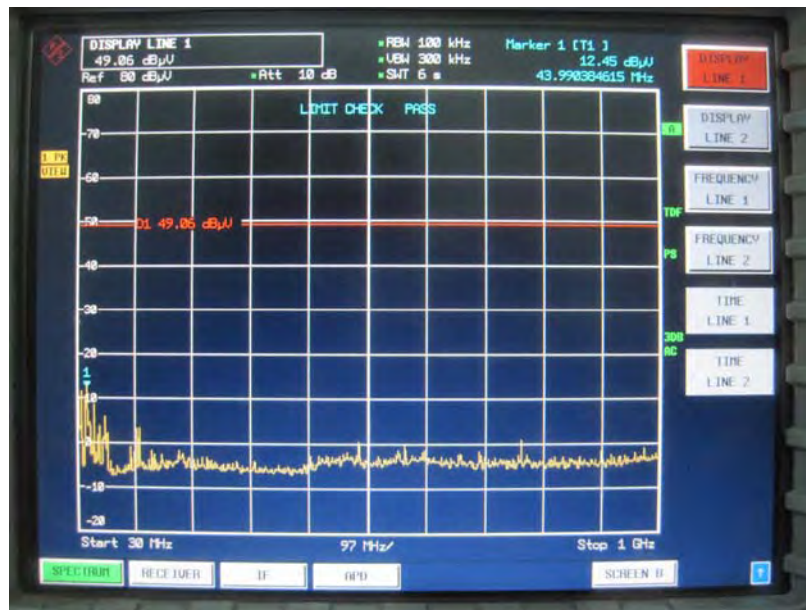


EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Test Mode :	TX G MODE		

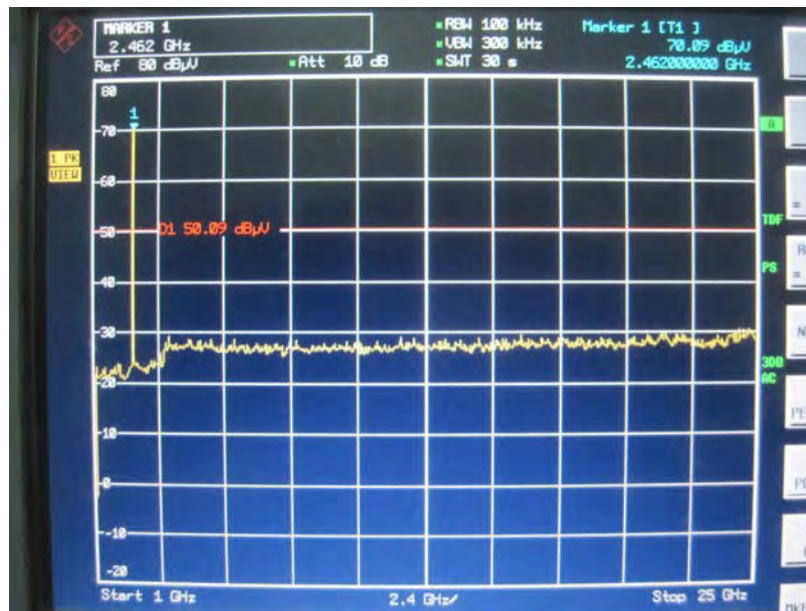
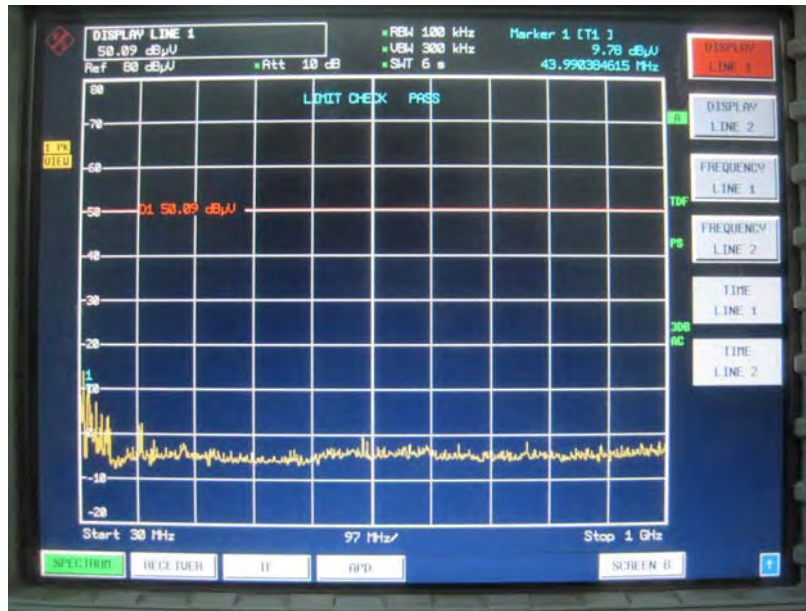
Channel 1



Channel 6



### Channel 11



## 9. POWER SPECTRAL DENSITY

### 9.1. Limits

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

### 9.2. Test Equipment List and Details

Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Date
Spectrum Analyzer	ROHDE& SCHWARZ	FSEA20	DE25181	2009-08-12	2010-08-11

### 9.3. Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- (2) Spectrum Setting : RBW=3KHz, VBW=30 KHz, Sweep time = 500s.

### 9.4. Test SET-UP

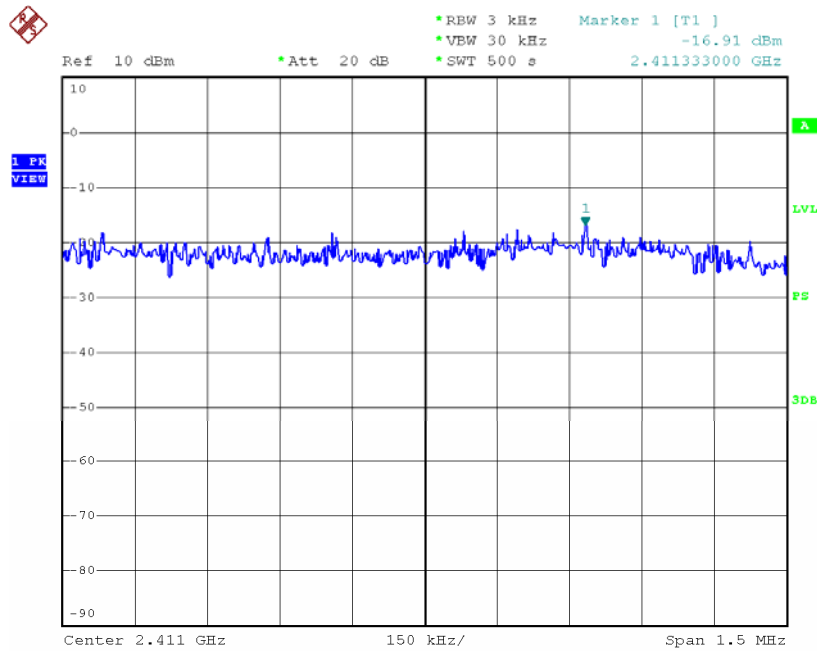


### 9.5. Test Result

EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Test Mode :	TX B MODE CHANNEL 01/06/11		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2412 MHz	-16.91	8
CH06	2437 MHz	-19.49	8
CH11	2462 MHz	-17.84	8

TX CH 01

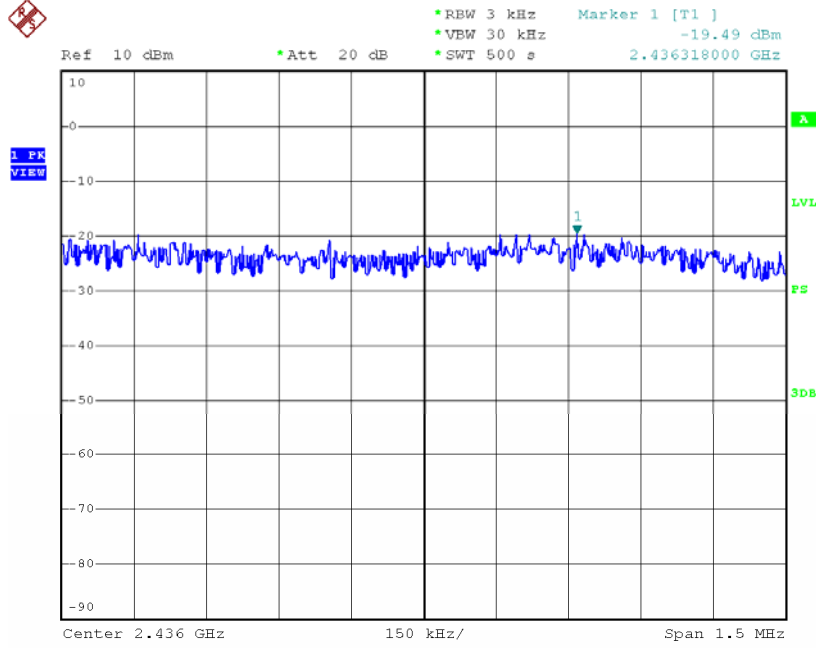


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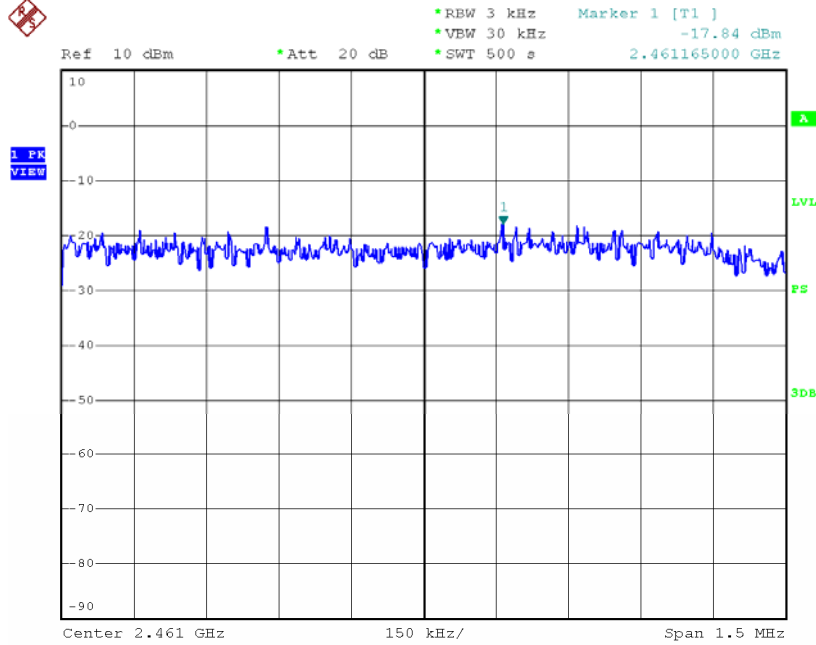
### TX CH 06



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Date: 18.JUN.2010 17:12:32

### TX CH 11



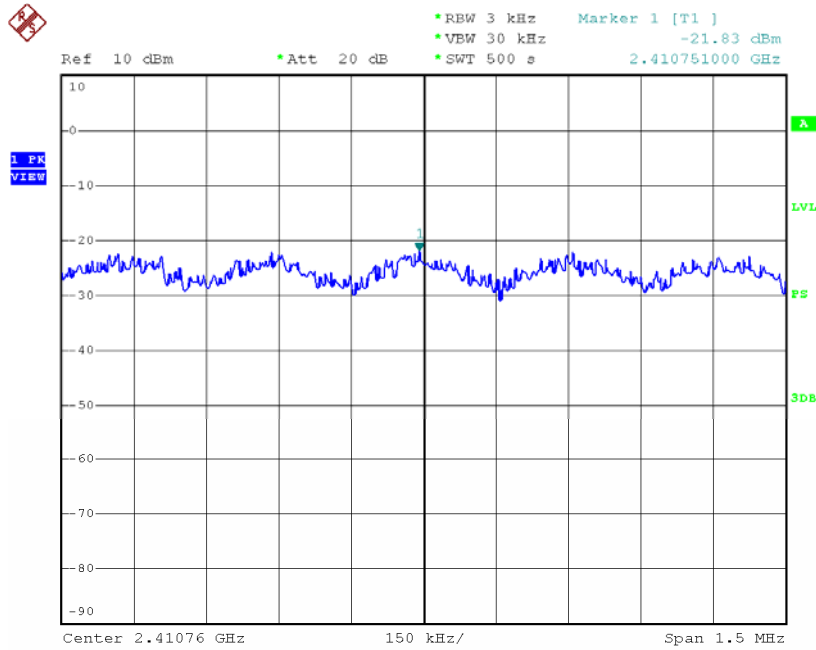
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Date: 18.JUN.2010 16:29:13

EUT:	Wireless Phto Frame	Model Name :	PTX408WR01
Temperature:	23 °C	Relative Humidity:	54 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Test Mode :	TX G MODE CHANNEL 01/06/11		

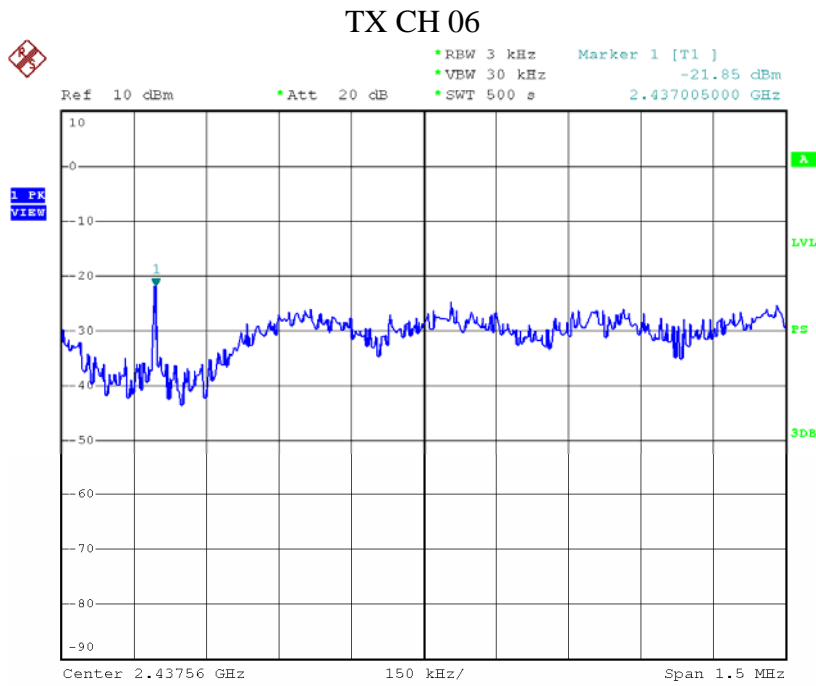
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2412 MHz	-21.83	8
CH06	2437 MHz	-21.85	8
CH11	2462 MHz	-20.56	8

TX CH 01



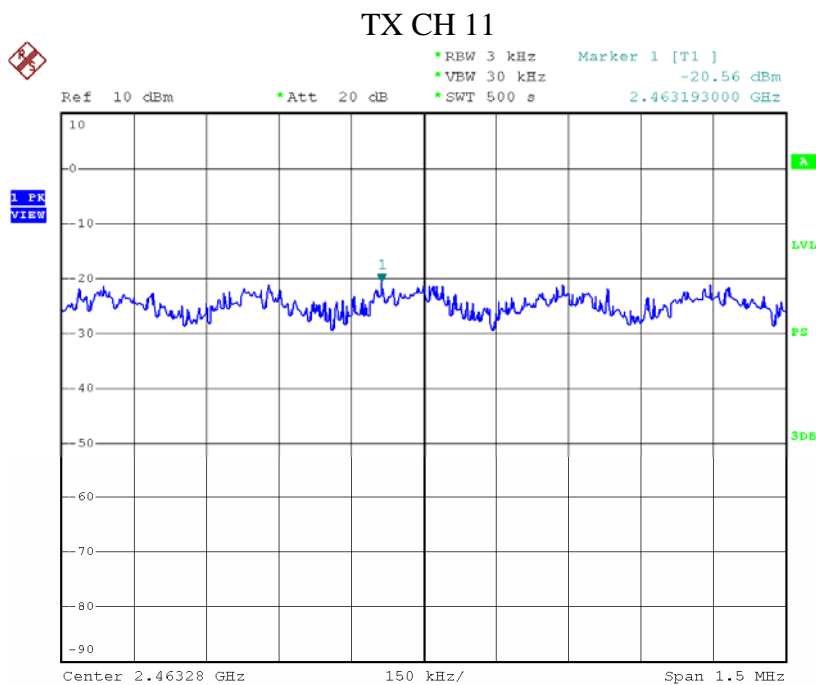
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Date: 18.JUN.2010 15:46:00



SLTG

Date: 18.JUN.2010 15:53:27



SLTG

Date: 18.JUN.2010 16:06:17