FCC Radio Test Report

FCC ID: 2AFRF-RCCM

Original Grant

Report No.	:	TB-FCC150463
Applicant	:	CamFi Limited
Equipment Under Test (EUT)		
EUT Name	:	CamFi Remote Camera Controller
Model No.	:	CF-102
Series No.	:	CF101, CF103, CF201, LW-100
Brand Name	:	CamFi
Receipt Date	:	2016-11-07
Test Date	:	2016-11-08 to 2016-11-13
Issue Date	:	2016-11-14
Standards	:	FCC Part 15, Subpart C (15.247:2016)
Test Method	:	ANSI C63.10: 2013
Conclusions	:	**PASS**

In the configuration tested, the EUT complied with the standards specified above,

The EUT technically complies with the FCC and IC requirements

Test/Witness Engineer : Wan Su

Approved& Authorized :

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

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Contents

1. General Information about EUT

1.1 Client Information

Applicant	:	CamFi Limited
Address	:	Room A1002-1, Venture Building, TsingHua Science Park, No.101 College Road, Tangjiawan, Zhuhai, PRC.
Manufacturer	:	CamFi Limited
Address	:	Room A1002-1, Venture Building, TsingHua Science Park, No.101 College Road, Tangjiawan, Zhuhai, PRC.

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	CamFi Remote Camera Controller	
Models No.	:	CF-102, CF101, CF103, CF201, LW-100	
Model Difference	:	All these models are identical in the same PCB layout and electrical circuit, the only difference is model name for commercial.	
Product Description	:	Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz
		Number of Channel:	802.11b/g/n(HT20):11 channels **see note(3)** 802.11n(HT40):9 channels **see note(3)**
		RF Output Power:	802.11b: 9.21 dBm 802.11g: 9.09 dBm 802.11n (HT20): 8.98 dBm 802.11n (HT40): 8.96 dBm
		Antenna Gain:	0.9 dBi PIFA Antenna
		Modulation Type:	802.11b: CCK, QPSK, BPSK 802.11g: OFDM 802.11n: OFDM
		Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps 802.11n:up to 150Mbps
Power Supply	:	DC power by USB cable form Host System. DC power by Li-ion battery.	
Power Rating	:	DC 5V by USB Cable from PC system. DC 3.7V 1800mAh by Li-ion Battery.	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

Note:

(1) This Test Report is FCC Part 15.247 for 802.11b/g/n, the test procedure follows the FCC KDB 558074 D01 DTS Meas Guidance v03r05.

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

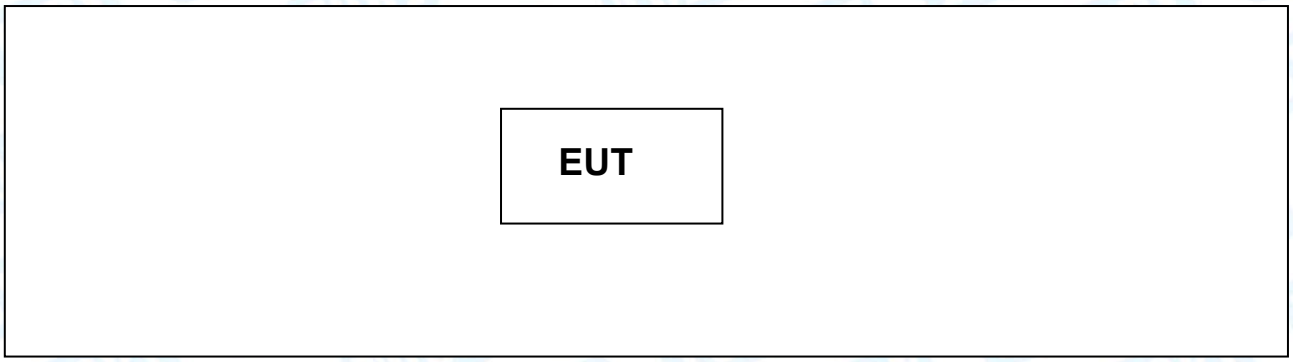
(3) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	**2412**	05	2432	09	2452
02	2417	**06**	**2437**	10	2457
03	2422	07	2442	**11**	**2462**
04	2427	08	2447		
Note:CH 01~CH 11 for 802.11b/g/n(HT20) **CH 03~CH 09 for 802.11n(HT40)**					

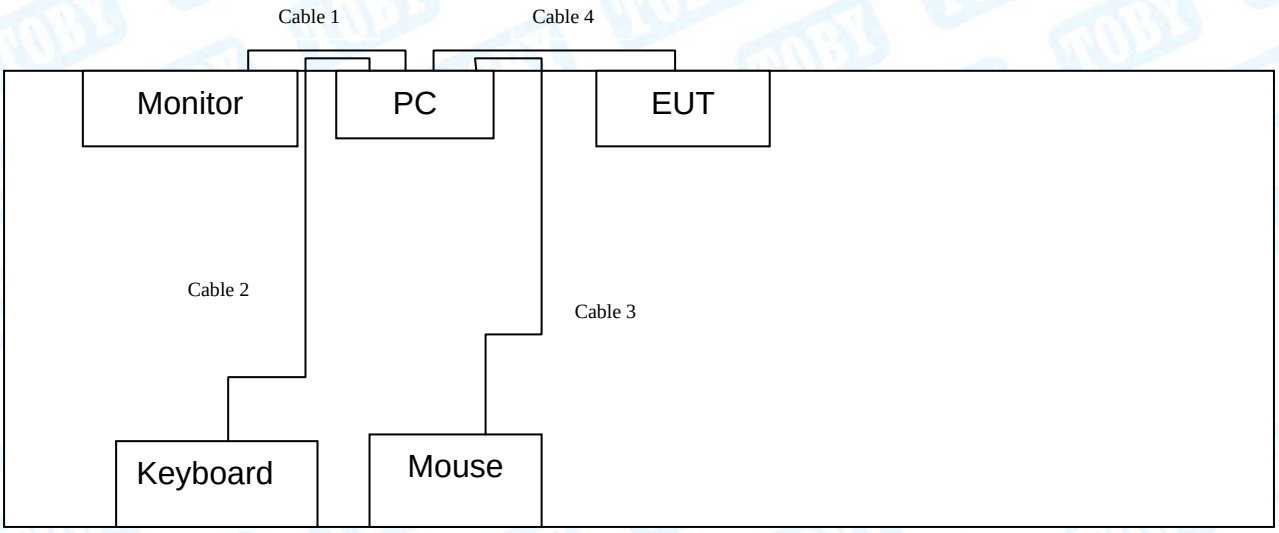
(4) The Antenna information about the equipment is provided by the applicant.

1.3 Block Diagram Showing the Configuration of System Tested

TX Mode



USB Charging with TX Mode



1.4 Description of Support Units

Equipment Information				
Name	**Model**	**FCC ID/DOC**	**Manufacturer**	**Used "√"**
LCD Monitor	E170Sc	DOC	DELL	√
PC	OPTIPLEX380	DOC	DELL	√
Keyboard	L100	DOC	DELL	√
Mouse	M-UARDEL7	DOC	DELL	√
Cable Information				
Number	**Shielded Type**	**Ferrite Core**	**Length**	**Note**
Cable 1	YES	YES	1.5M	
Cable 2	YES	YES	1.5M	
Cable 3	YES	NO	1.5M	
Cable 4	NO	NO	0.8M	**Accessorise**

1.5 Description of Test Mode

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 follow was evaluated respectively.

For Conducted Test	
Final Test Mode	**Description**
Mode 1	TX B Mode

For Radiated Test	
Final Test Mode	**Description**
Mode 2	TX Mode B Mode Channel 01/06/11
Mode 3	TX Mode G Mode Channel 01/06/11
Mode 4	TX Mode N(HT20) Mode Channel 01/06/11
Mode 5	TX Mode N(HT40) Mode Channel 03/06/09

Note:

(1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, Middle, lowest available channels, and the worst case data rate as follows:

802.11b Mode: CCK (1 Mbps)
802.11g Mode: OFDM (6 Mbps)
802.11n (HT20) Mode: MCS 0 (6.5 Mbps)
802.11n (HT40) Mode: MCS 0 (13 Mbps)

(2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.

(3) The EUT is considered a mobile unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.

1.6 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	QAtheros Radio Test2(ART2-GUI)		
Channel	**CH 01**	**CH 06**	**CH 11**
IEEE 802.11b DSSS	20	20	20
IEEE 802.11g OFDM	15	15	15
IEEE 802.11n (HT20)	14.5	14.5	14.5
Channel	**CH 03**	**CH 06**	**CH 09**
IEEE 802.11n (HT40)	15	15	15

1.7 Measurement Uncertainty

The reported uncertainty of measurement y ± U，where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2，providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty (U_{Lab})
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	 ±3.42 dB ±3.42 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	±4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	±4.40 dB
Radiated Emission	Level Accuracy: Above 1000MHz	±4.20 dB

1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

FCC List No.: (811562)

The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number is 811562.

IC Registration No.: (11950A-1)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.

2. Test Summary

FCC Part 15 Subpart C(15.247)/ RSS 247 Issue 1				
Standard Section		Test Item	Judgment	Remark
FCC	IC			
15.203	/	Antenna Requirement	PASS	N/A
15.207	RSS-GEN 7.2.4	Conducted Emission	PASS	N/A
15.205	RSS-GEN 7.2.2	Restricted Bands	PASS	N/A
15.247(a)(2)	RSS 247 5.2 (1)	6dB Bandwidth	PASS	N/A
15.247(b)	RSS 247 5.4 (4)	Peak Output Power	PASS	N/A
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	PASS	N/A
15.247(d)& 15.209	RSS 247 5.5	Transmitter Radiated Spurious Emission	PASS	N/A
Note: "/" for no requirement for this test item. N/A is an abbreviation for Not Applicable.				

3. Test Equipment

Conducted Emission Test					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Last Cal.**	**Cal. Due Date**
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 22, 2016	Jul. 21, 2017
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 22, 2016	Jul. 21, 2017
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 22, 2016	Jul. 21, 2017
LISN	Rohde & Schwarz	ENV216	101131	Jul. 22, 2016	Jul. 21, 2017
Radiation Emission Test					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Last Cal.**	**Cal. Due Date**
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 22, 2016	Jul. 21, 2017
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 22, 2016	Jul. 21, 2017
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar. 20, 2016	Mar. 19, 2017
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar. 20, 2016	Mar. 19, 2017
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar. 19, 2016	Mar. 18, 2017
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar. 19, 2016	Mar. 18, 2017
Loop Antenna	Laplace instrument	RF300	0701	Mar. 19, 2016	Mar. 18, 2017
Pre-amplifier	Sonoma	310N	185903	Mar. 20, 2016	Mar. 19, 2017
Pre-amplifier	HP	8447B	3008A00849	Mar. 26, 2016	Mar. 25, 2017
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar. 26, 2016	Mar. 25, 2017
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna Conducted Emission					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Last Cal.**	**Cal. Due Date**
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 22, 2016	Jul. 21, 2017
EMI Test Receiver	Rohde & Schwarz	ESCI	100010/007	Jul. 22, 2016	Jul. 21, 2017
Power Meter	Anritsu	ML2495A	25406005	Jul. 22, 2016	Jul. 21, 2017
Power Sensor	Anritsu	ML2411B	25406005	Jul. 22, 2016	Jul. 21, 2017

4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard

FCC Part 15.207

4.1.2 Test Limit

Conducted Emission Test Limit

Frequency	Maximum RF Line Voltage (dBμV)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

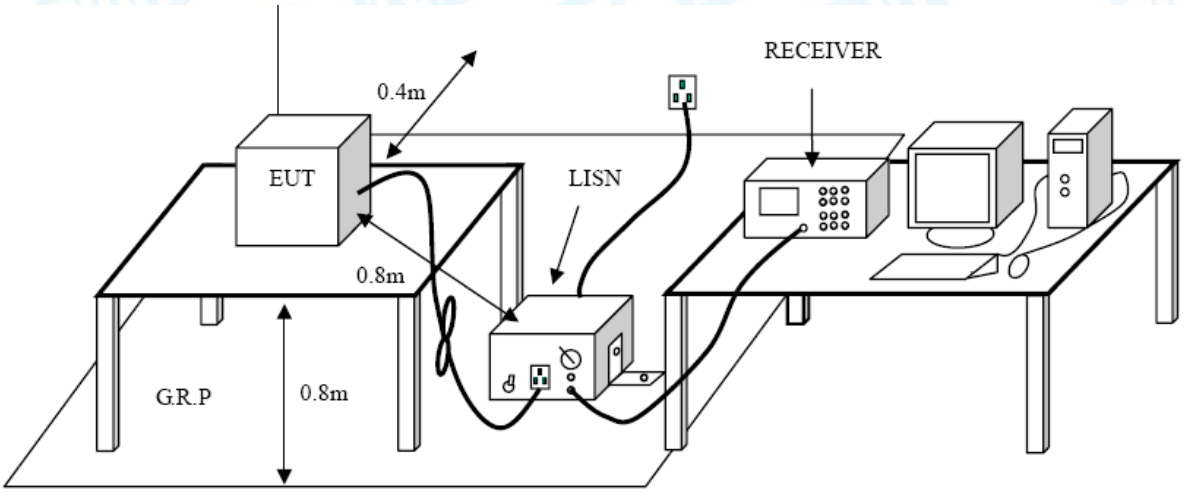
Notes:

(1) *Decreasing linearly with logarithm of the frequency.

(2) The lower limit shall apply at the transition frequencies.

(3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2 Test Setup



4.3 Test Procedure

The EUT was placed 0.8 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.

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.

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.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

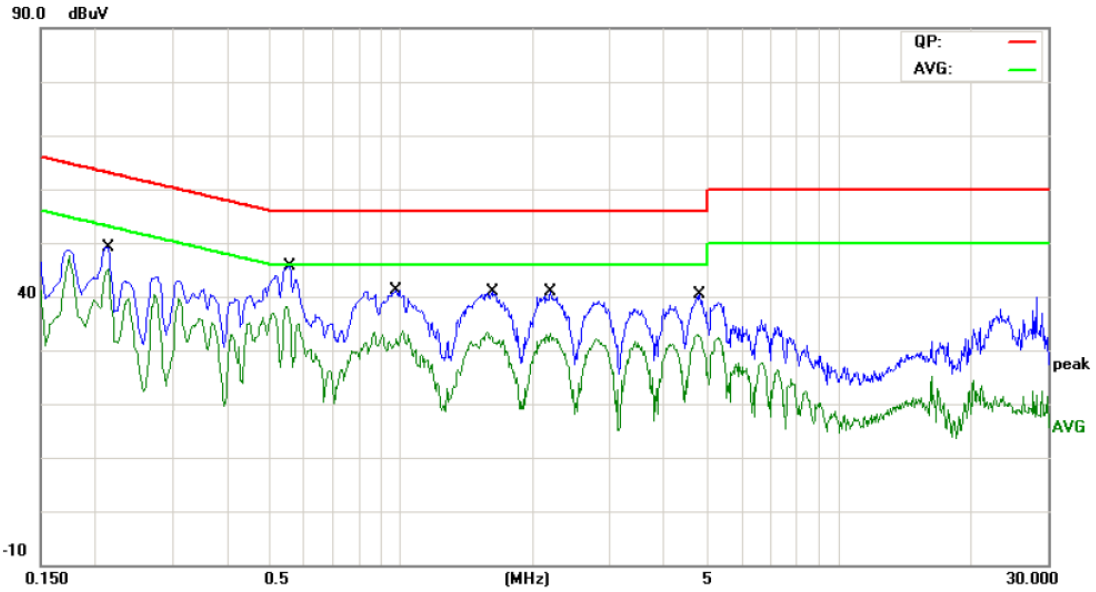
4.4 EUT Operating Mode

Please refer to the description of test mode.

4.5 Test Data

Please see the next page.

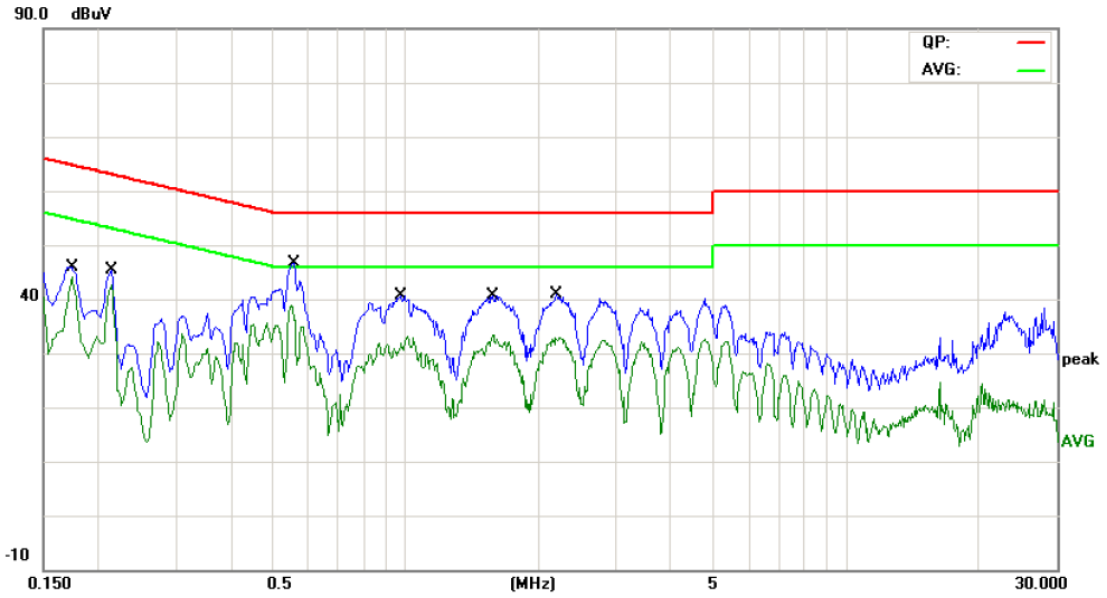
EUT:	CamFi Remote Camera Controller	Model Name :	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Terminal:	Line		
Test Mode:	TX B Mode		
Remark:	Only worse case is reported		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.2140	37.36	10.02	47.38	63.04	-15.66	QP
2	*	0.2140	34.13	10.02	44.15	53.04	-8.89	AVG
3		0.5580	34.80	10.05	44.85	56.00	-11.15	QP
4		0.5580	24.83	10.05	34.88	46.00	-11.12	AVG
5		0.9740	29.73	10.07	39.80	56.00	-16.20	QP
6		0.9740	22.04	10.07	32.11	46.00	-13.89	AVG
7		1.6260	28.51	10.06	38.57	56.00	-17.43	QP
8		1.6260	21.80	10.06	31.86	46.00	-14.14	AVG
9		2.1940	27.62	10.05	37.67	56.00	-18.33	QP
10		2.1940	22.37	10.05	32.42	46.00	-13.58	AVG
11		4.8020	25.59	9.97	35.56	56.00	-20.44	QP
12		4.8020	21.97	9.97	31.94	46.00	-14.06	AVG

Emission Level= Read Level+ Correct Factor

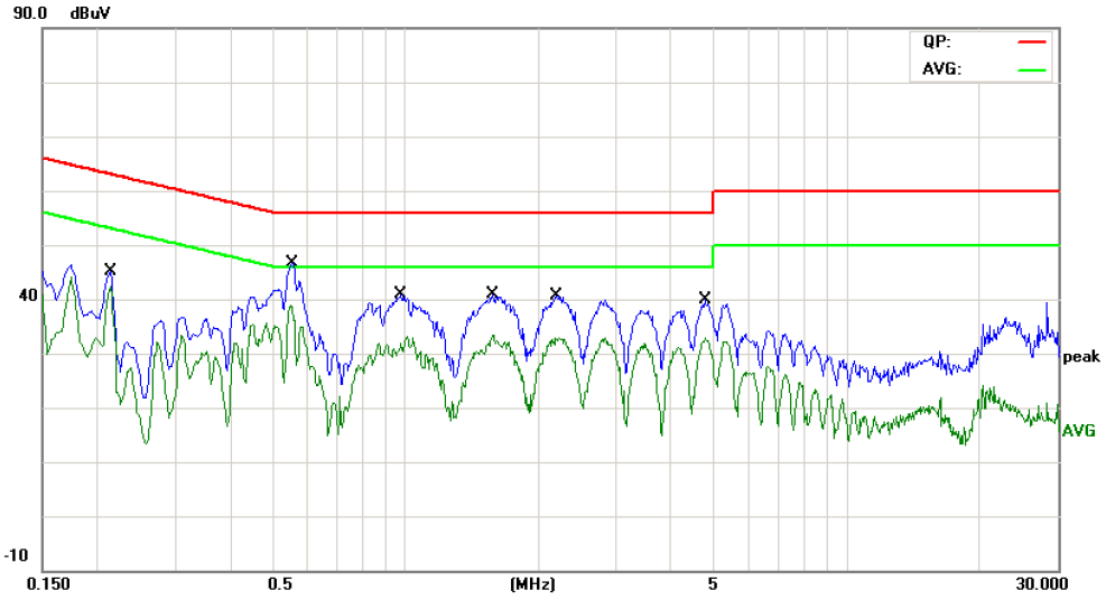
EUT:	CamFi Remote Camera Controller	Model Name :	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Terminal:	Neutral		
Test Mode:	TX B Mode		
Remark:	Only worse case is reported		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1740	34.69	10.12	44.81	64.76	-19.95	QP
2		0.1740	34.05	10.12	44.17	54.76	-10.59	AVG
3		0.2140	33.69	10.11	43.80	63.04	-19.24	QP
4		0.2140	32.12	10.11	42.23	53.04	-10.81	AVG
5		0.5580	35.82	10.02	45.84	56.00	-10.16	QP
6	*	0.5580	25.90	10.02	35.92	46.00	-10.08	AVG
7		0.9740	29.19	10.15	39.34	56.00	-16.66	QP
8		0.9740	21.47	10.15	31.62	46.00	-14.38	AVG
9		1.5700	28.23	10.10	38.33	56.00	-17.67	QP
10		1.5700	23.03	10.10	33.13	46.00	-12.87	AVG
11		2.1900	28.55	10.06	38.61	56.00	-17.39	QP
12		2.1900	22.64	10.06	32.70	46.00	-13.30	AVG

Emission Level= Read Level+ Correct Factor

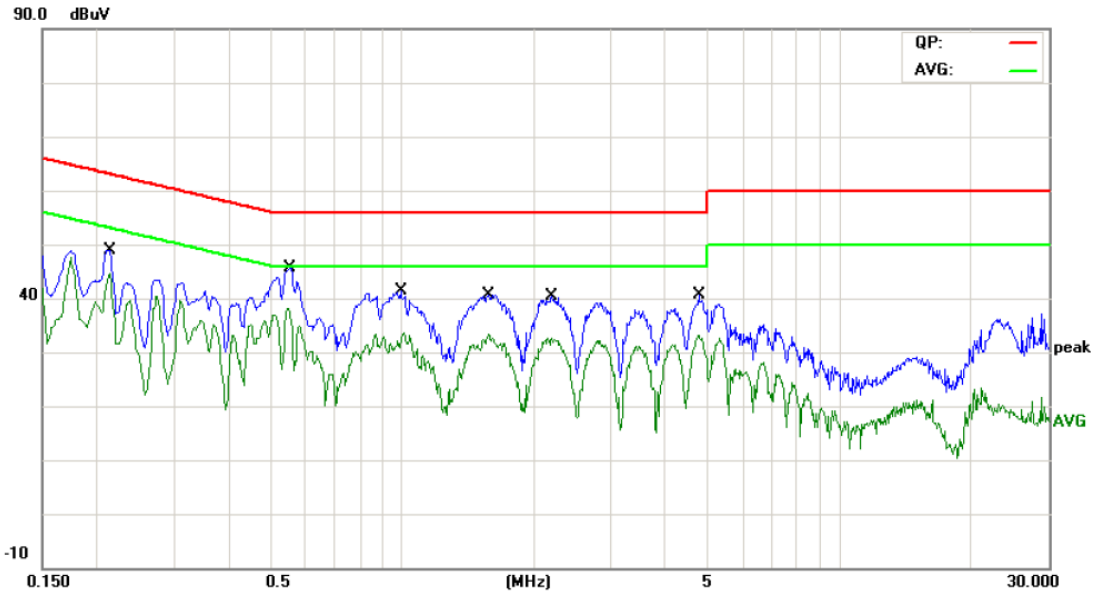
EUT:	CamFi Remote Camera Controller	Model Name :	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 240V/60Hz		
Terminal:	Line		
Test Mode:	TX B Mode		
Remark:	Only worse case is reported		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.2140	33.55	10.11	43.66	63.04	-19.38	QP
2		0.2140	31.94	10.11	42.05	53.04	-10.99	AVG
3		0.5540	36.15	10.02	46.17	56.00	-9.83	QP
4	*	0.5540	28.55	10.02	38.57	46.00	-7.43	AVG
5		0.9740	29.21	10.15	39.36	56.00	-16.64	QP
6		0.9740	21.44	10.15	31.59	46.00	-14.41	AVG
7		1.5740	28.78	10.10	38.88	56.00	-17.12	QP
8		1.5740	23.06	10.10	33.16	46.00	-12.84	AVG
9		2.1940	27.60	10.06	37.66	56.00	-18.34	QP
10		2.1940	22.43	10.06	32.49	46.00	-13.51	AVG
11		4.7500	26.96	10.06	37.02	56.00	-18.98	QP
12		4.7500	22.57	10.06	32.63	46.00	-13.37	AVG

Emission Level= Read Level+ Correct Factor

EUT:	CamFi Remote Camera Controller	Model Name :	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 240V/60Hz		
Terminal:	Neutral		
Test Mode:	TX B Mode		
Remark:	Only worse case is reported		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.2140	37.45	10.02	47.47	63.04	-15.57	QP
2		0.2140	34.21	10.02	44.23	53.04	-8.81	AVG
3		0.5540	35.12	10.05	45.17	56.00	-10.83	QP
4	*	0.5540	27.55	10.05	37.60	46.00	-8.40	AVG
5		0.9940	29.44	10.06	39.50	56.00	-16.50	QP
6		0.9940	22.12	10.06	32.18	46.00	-13.82	AVG
7		1.5740	29.04	10.06	39.10	56.00	-16.90	QP
8		1.5740	23.26	10.06	33.32	46.00	-12.68	AVG
9		2.1900	28.22	10.05	38.27	56.00	-17.73	QP
10		2.1900	22.34	10.05	32.39	46.00	-13.61	AVG
11		4.7538	26.67	9.97	36.64	56.00	-19.36	QP
12		4.7538	22.78	9.97	32.75	46.00	-13.25	AVG

Emission Level= Read Level+ Correct Factor

5. Radiated Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard

FCC Part 15.209

5.1.2 Test Limit

Radiated Emission Limits (9 kHz~1000 MHz)

Frequency (MHz	Field Strength (microvolt/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

Radiated Emission Limit (Above 1000MHz)

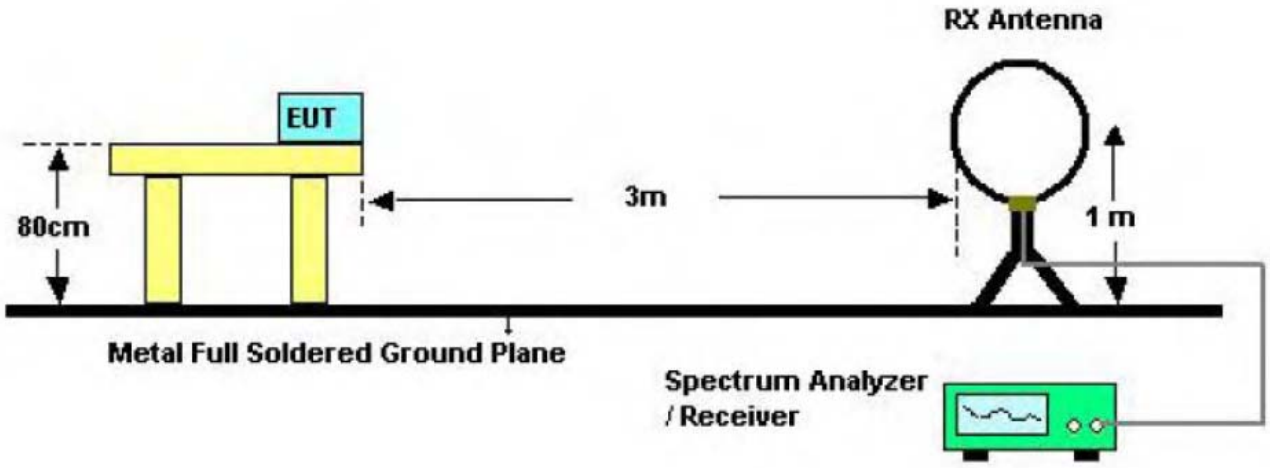
Frequency (MHz)	Class A (dBuV/m)(at 3 M)		Class B (dBuV/m)(at 3 M)	
	Peak	Average	Peak	Average
Above 1000	80	60	74	54

Note:

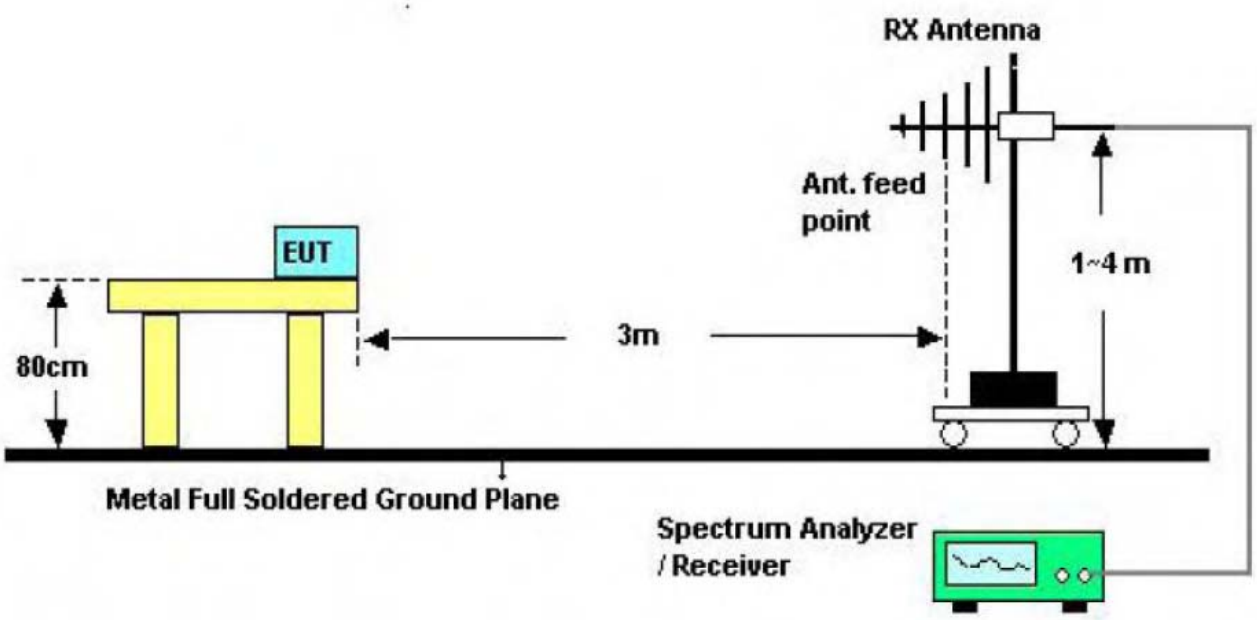
(1) The tighter limit applies at the band edges.

(2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

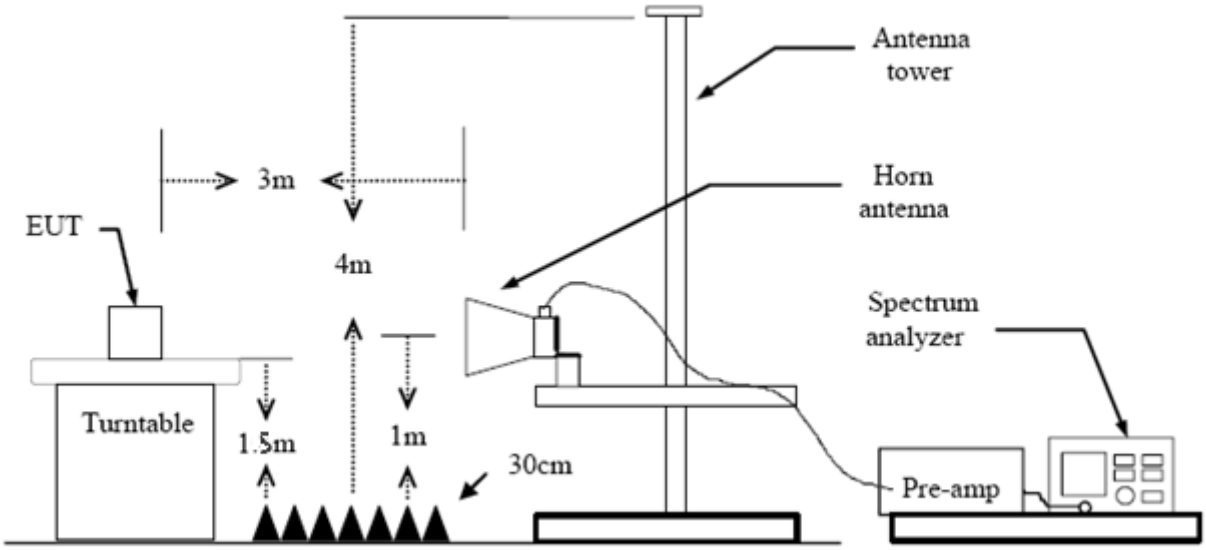
5.2 Test Setup



Below 30MHz Test Setup



Below 1000MHz Test Setup



Above 1GHz Test Setup

5.3 Test Procedure

(1) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.

(2) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.

(3) 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.

(4) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.

(5) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.

(6) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

(7) For the actual test configuration, please see the test setup photo.

5.4 EUT Operating Condition

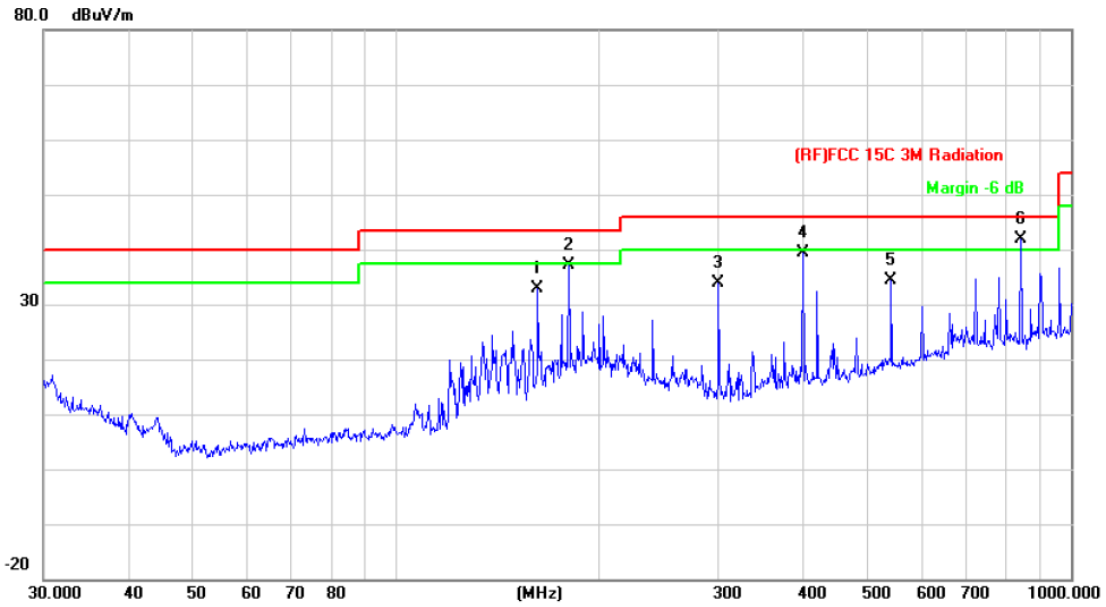
The Equipment Under Test was set to Continual Transmitting in maximum power.

5.5 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Test data please refer the following pages.

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2412MHz		
Remark:	Only worse case is reported		

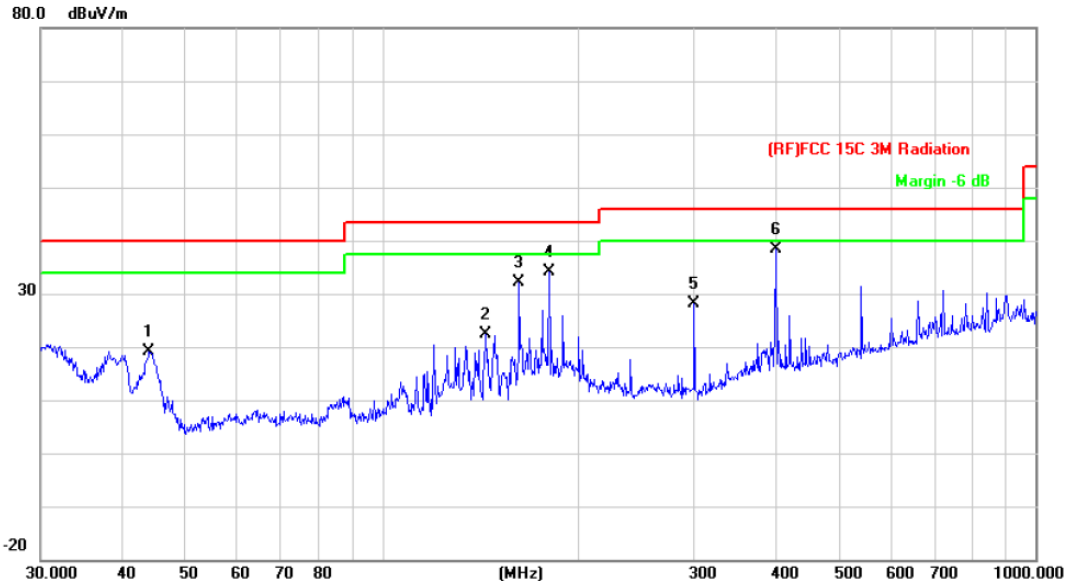


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		162.0414	53.29	-20.41	32.88	43.50	-10.62	peak
2		180.0165	57.40	-20.26	37.14	43.50	-6.36	peak
3		300.3672	50.47	-16.64	33.83	46.00	-12.17	peak
4		400.4318	51.80	-12.33	39.47	46.00	-6.53	peak
5		541.3724	44.02	-9.53	34.49	46.00	-11.51	peak
6	*	842.1295	47.09	-5.24	41.85	46.00	-4.15	peak

*:Maximum data x:Over limit !:over margin

Emission Level= Read Level+ Correct Factor

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz		
Remark:	Only worse case is reported		

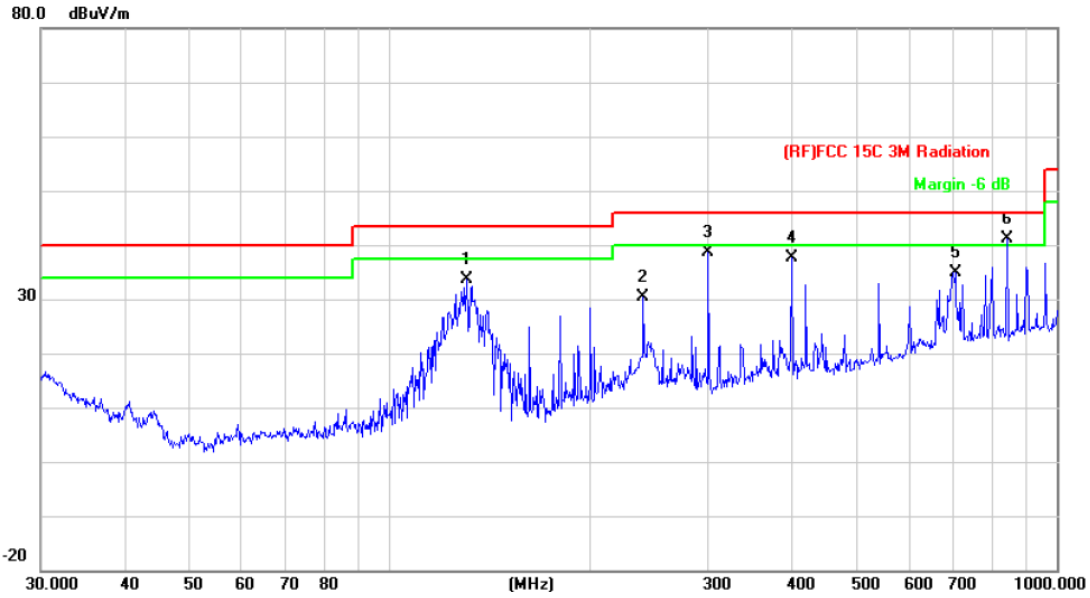


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		43.9658	41.21	-21.97	19.24	40.00	-20.76	peak
2		143.8295	43.91	-21.51	22.40	43.50	-21.10	peak
3		162.0414	52.51	-20.41	32.10	43.50	-11.40	peak
4		180.0165	54.44	-20.26	34.18	43.50	-9.32	peak
5		300.3672	44.72	-16.64	28.08	46.00	-17.92	peak
6	*	400.4319	50.70	-12.33	38.37	46.00	-7.63	peak

*:Maximum data x:Over limit !:over margin

Emission Level= Read Level+ Correct Factor

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2437MHz		
Remark:	Only worse case is reported		

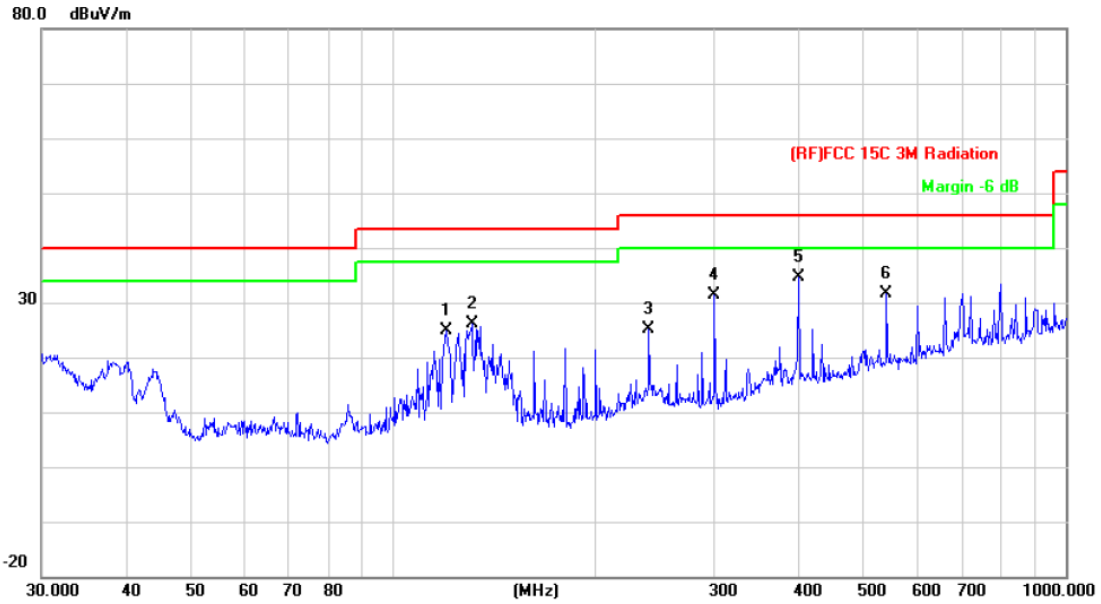


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		130.3789	55.74	-22.07	33.67	43.50	-9.83	peak
2		239.9874	48.64	-18.18	30.46	46.00	-15.54	peak
3		300.3672	55.27	-16.64	38.63	46.00	-7.37	peak
4		400.4319	50.00	-12.33	37.67	46.00	-8.33	peak
5		704.2261	40.41	-5.49	34.92	46.00	-11.08	peak
6	*	842.1296	46.30	-5.24	41.06	46.00	-4.94	peak

*:Maximum data x:Over limit !:over margin

Emission Level= Read Level+ Correct Factor

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2437MHz		
Remark:	Only worse case is reported		

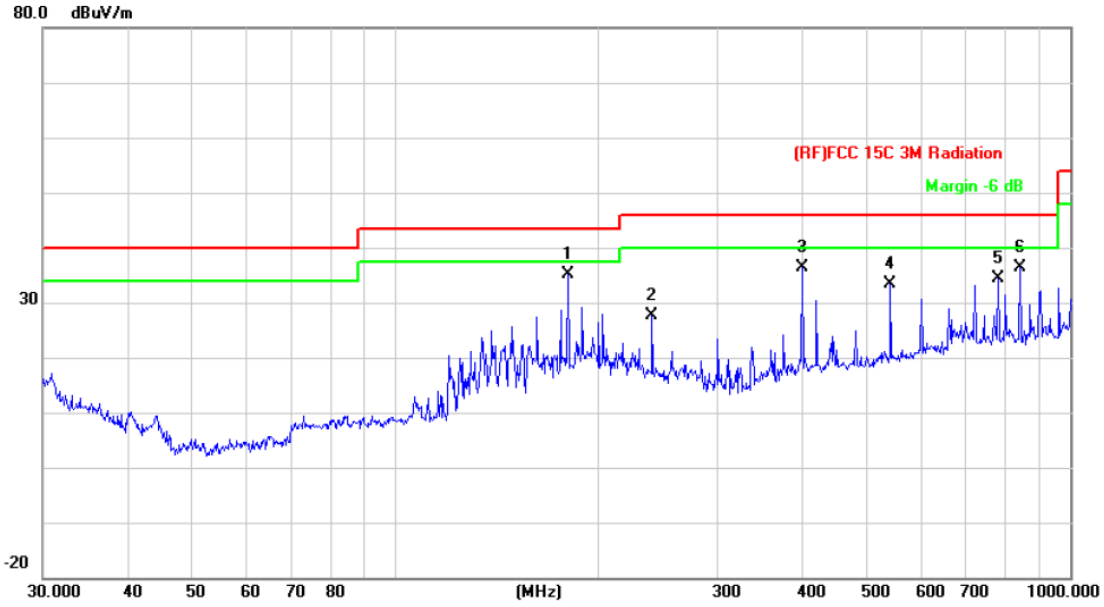


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		119.8556	47.28	-22.44	24.84	43.50	-18.66	peak
2		130.8369	48.29	-22.06	26.23	43.50	-17.27	peak
3		239.9874	43.25	-18.18	25.07	46.00	-20.93	peak
4		300.3672	48.00	-16.64	31.36	46.00	-14.64	peak
5	*	400.4319	47.01	-12.33	34.68	46.00	-11.32	peak
6		541.3725	41.17	-9.53	31.64	46.00	-14.36	peak

*:Maximum data x:Over limit !:over margin

Emission Level= Read Level+ Correct Factor

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2462MHz		
Remark:	Only worse case is reported		

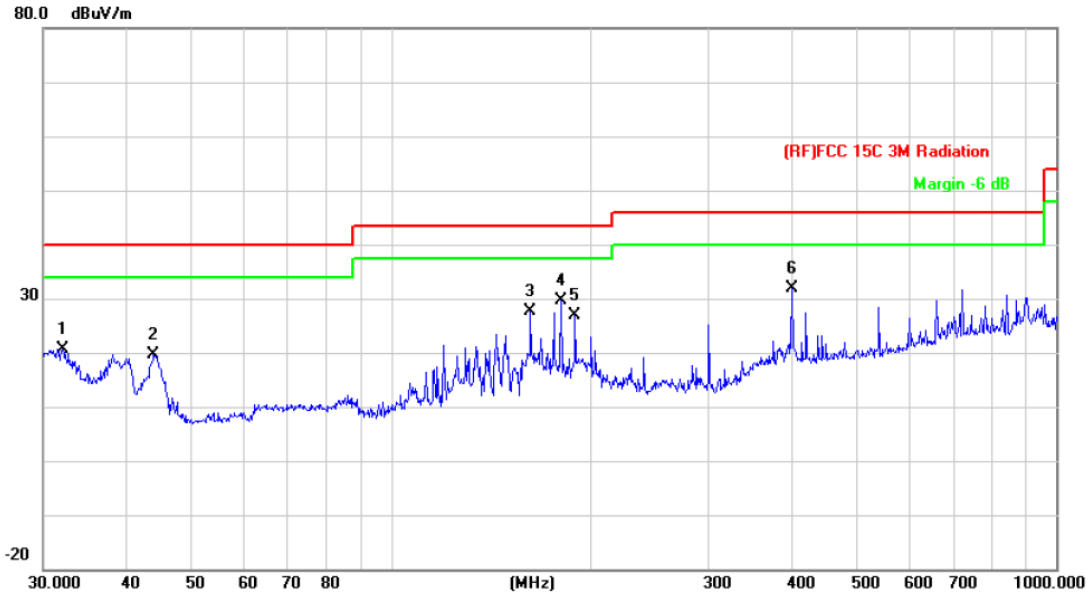


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	180.0165	55.40	-20.26	35.14	43.50	-8.36	peak
2		239.9874	45.82	-18.18	27.64	46.00	-18.36	peak
3		400.4318	48.80	-12.33	36.47	46.00	-9.53	peak
4		541.3721	43.02	-9.53	33.49	46.00	-12.51	peak
5		782.3451	39.85	-5.49	34.36	46.00	-11.64	peak
6		842.1295	41.59	-5.24	36.35	46.00	-9.65	peak

*:Maximum data x:Over limit !:over margin

Emission Level= Read Level+ Correct Factor

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2462MHz		
Remark:	Only worse case is reported		

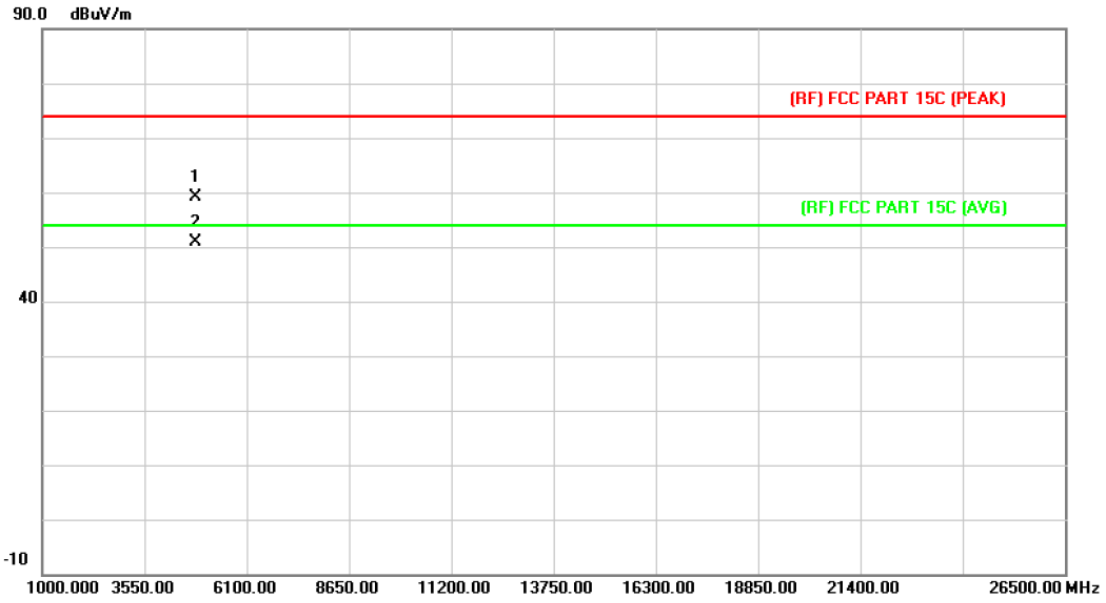


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		32.0667	35.98	-15.42	20.56	40.00	-19.44	peak
2		43.9658	41.71	-21.97	19.74	40.00	-20.26	peak
3		162.0414	48.01	-20.41	27.60	43.50	-15.90	peak
4	*	180.0165	49.94	-20.26	29.68	43.50	-13.82	peak
5		189.0740	47.34	-20.53	26.81	43.50	-16.69	peak
6		400.4318	44.20	-12.33	31.87	46.00	-14.13	peak

*:Maximum data x:Over limit !:over margin

Emission Level= Read Level+ Correct Factor

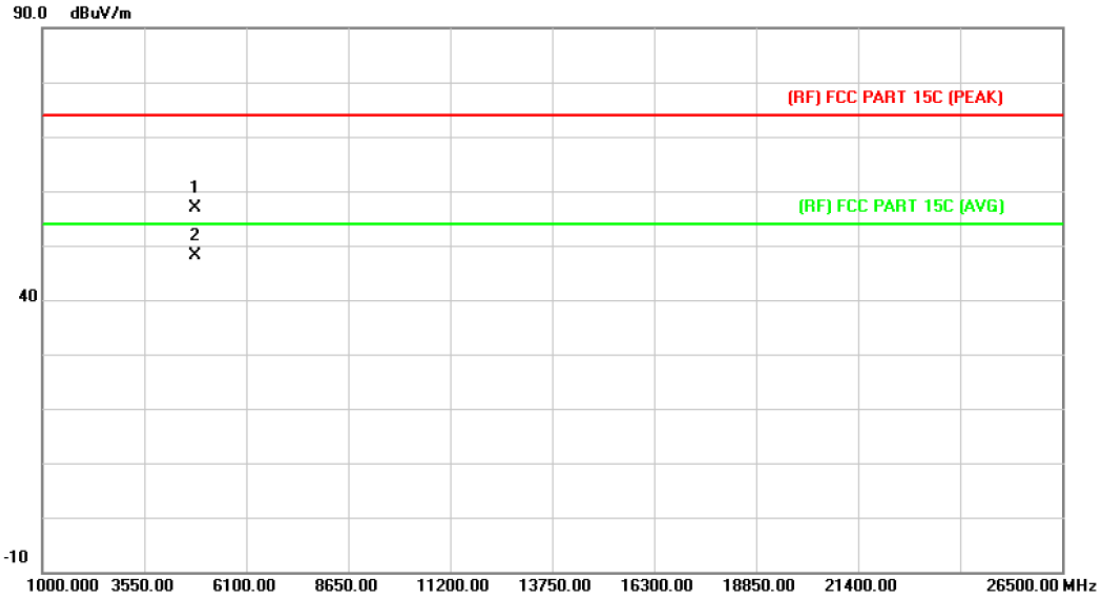
EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2412MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.035	45.69	13.56	59.25	74.00	-14.75	peak
2	*	4824.070	37.28	13.56	50.84	54.00	-3.16	AVG

Emission Level= Read Level+ Correct Factor

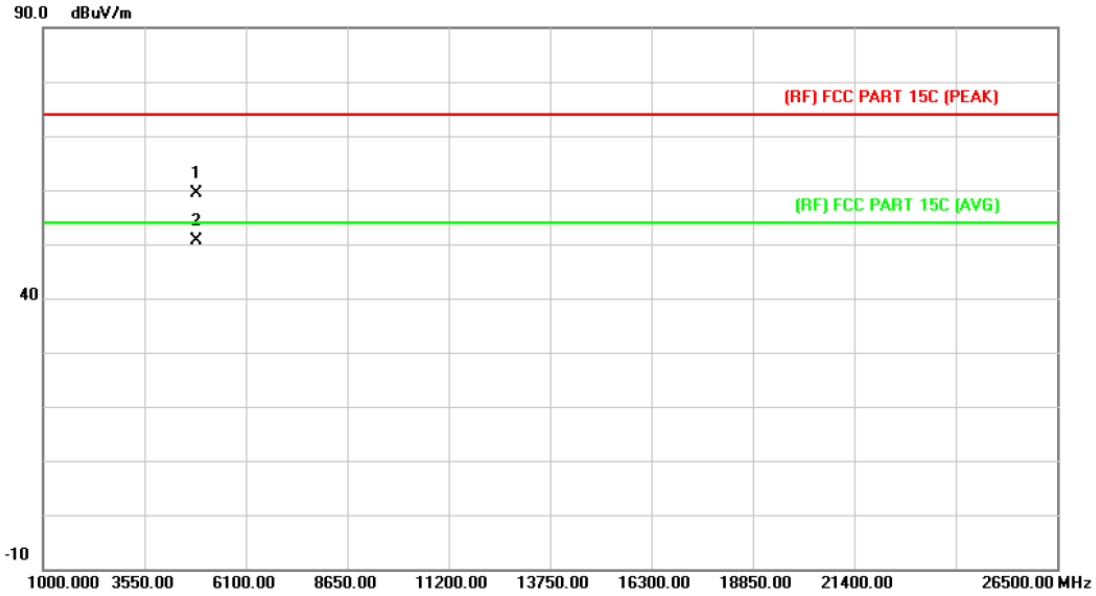
EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.075	43.43	13.56	56.99	74.00	-17.01	peak
2	*	4824.220	34.53	13.56	48.09	54.00	-5.91	AVG

Emission Level= Read Level+ Correct Factor

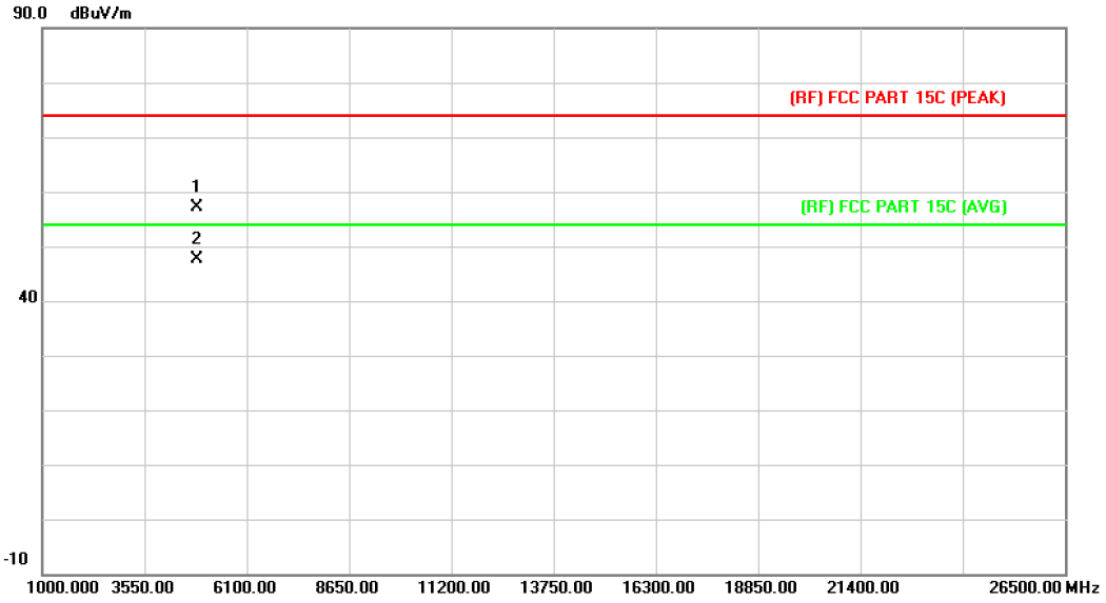
EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2437MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.970	45.48	13.86	59.34	74.00	-14.66	peak
2	*	4874.025	36.78	13.86	50.64	54.00	-3.36	AVG

Emission Level= Read Level+ Correct Factor

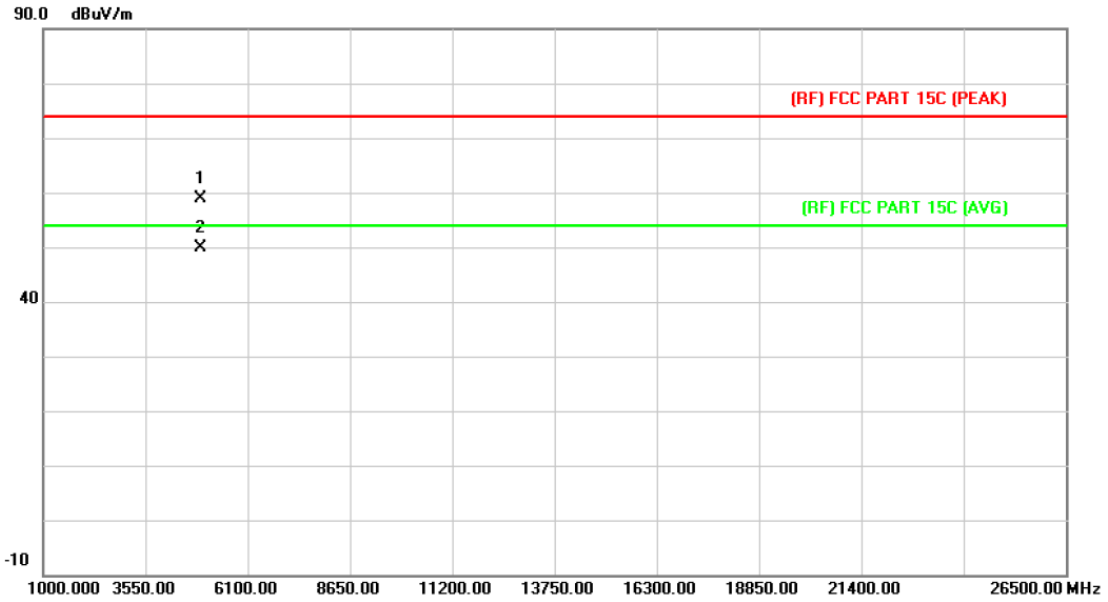
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2437MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.189	43.37	13.86	57.23	74.00	-16.77	peak
2	*	4874.217	33.82	13.86	47.68	54.00	-6.32	AVG

Emission Level= Read Level+ Correct Factor

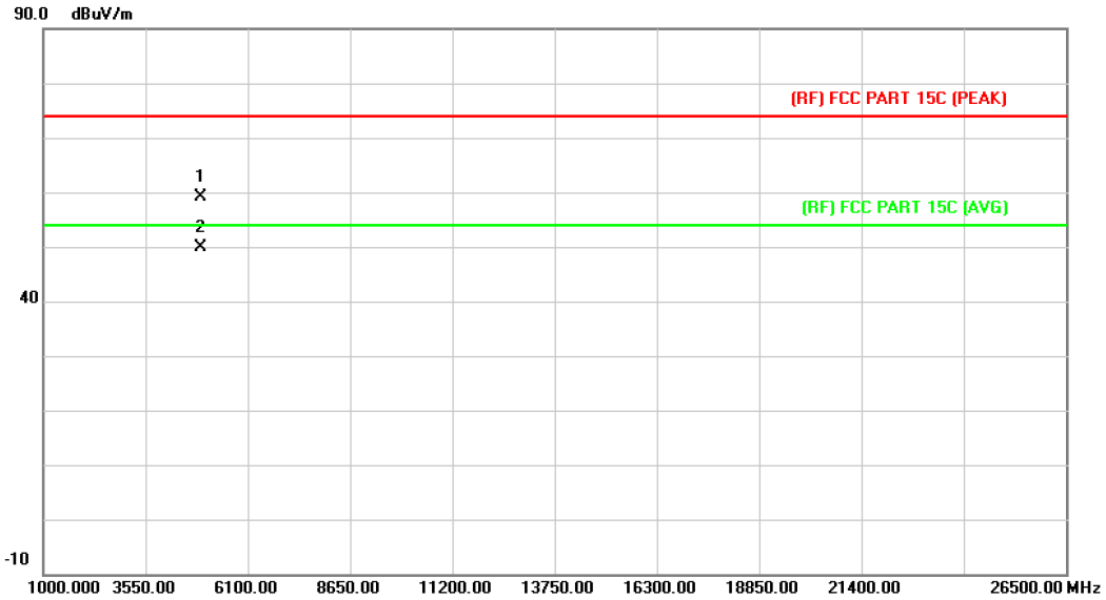
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2462MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.996	44.81	14.15	58.96	74.00	-15.04	peak
2	*	4924.069	35.81	14.15	49.96	54.00	-4.04	AVG

Emission Level= Read Level+ Correct Factor

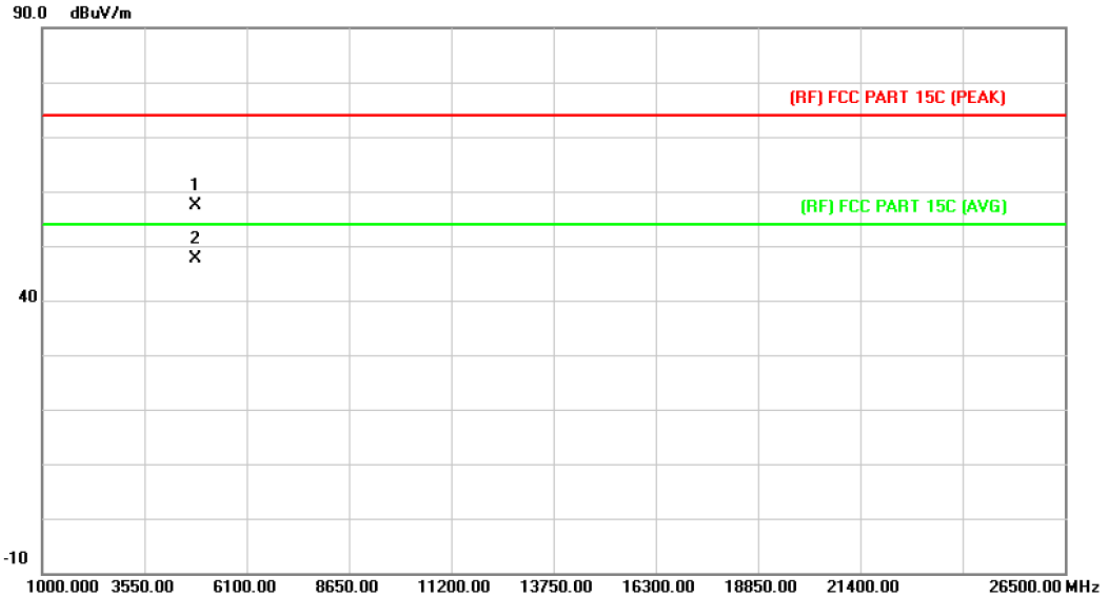
EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2462MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.153	44.99	14.15	59.14	74.00	-14.86	peak
2	*	4924.226	35.84	14.15	49.99	54.00	-4.01	AVG

Emission Level= Read Level+ Correct Factor

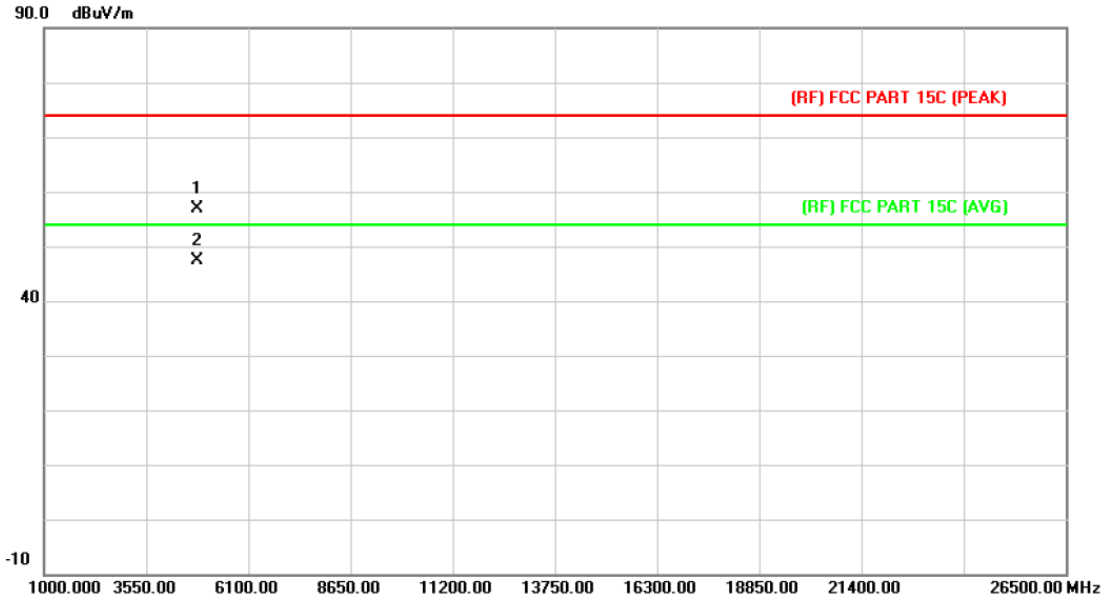
EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2412MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.761	43.73	13.56	57.29	74.00	-16.71	peak
2	*	4823.950	34.06	13.56	47.62	54.00	-6.38	AVG

Emission Level= Read Level+ Correct Factor

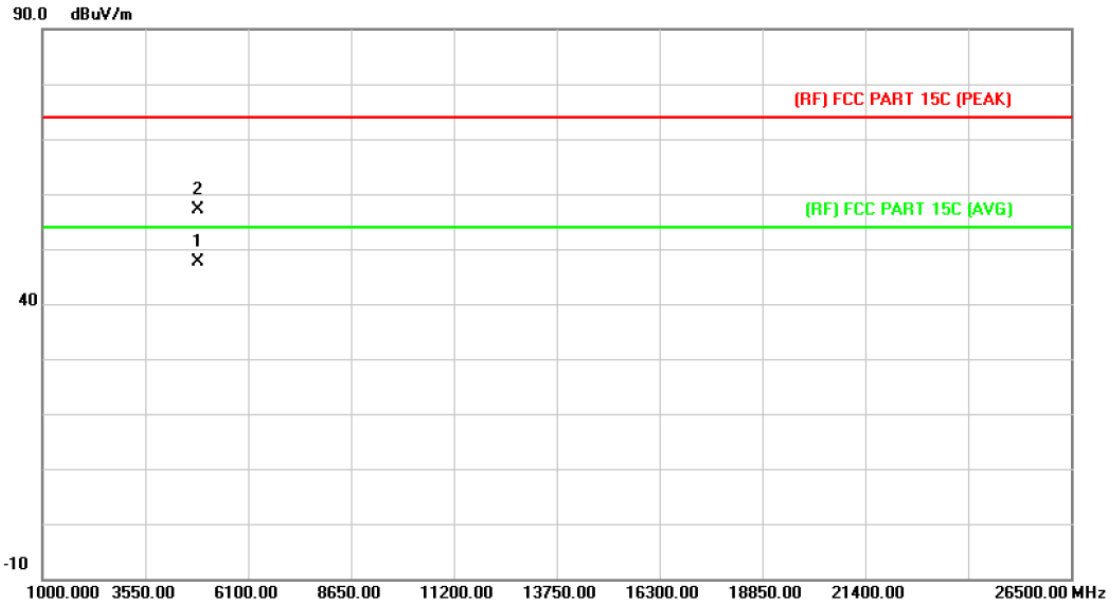
EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2412MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.828	43.25	13.56	56.81	74.00	-17.19	peak
2	*	4824.016	33.76	13.56	47.32	54.00	-6.68	AVG

Emission Level= Read Level+ Correct Factor

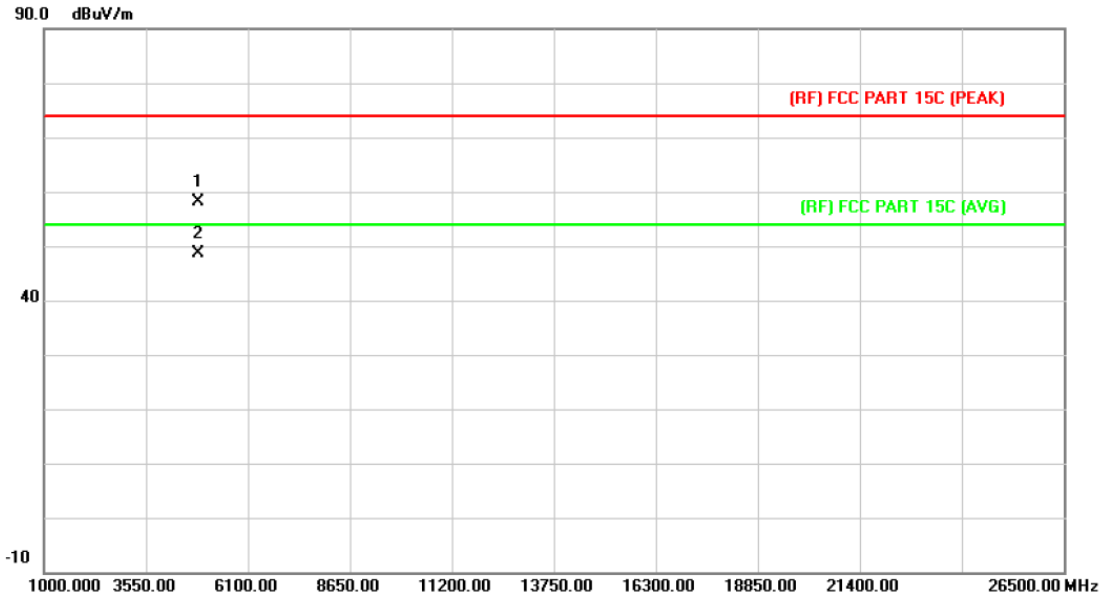
EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2437MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.159	33.65	13.86	47.51	54.00	-6.49	AVG
2		4874.175	43.24	13.86	57.10	74.00	-16.90	peak

Emission Level= Read Level+ Correct Factor

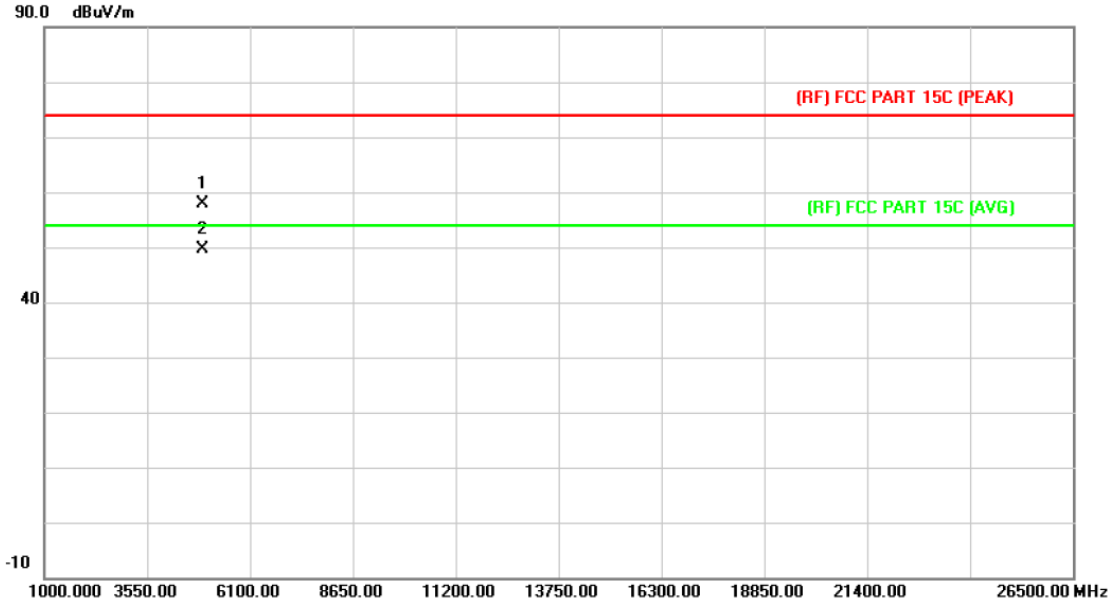
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2437MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.827	44.23	13.86	58.09	74.00	-15.91	peak
2	*	4874.002	34.81	13.86	48.67	54.00	-5.33	AVG

Emission Level= Read Level+ Correct Factor

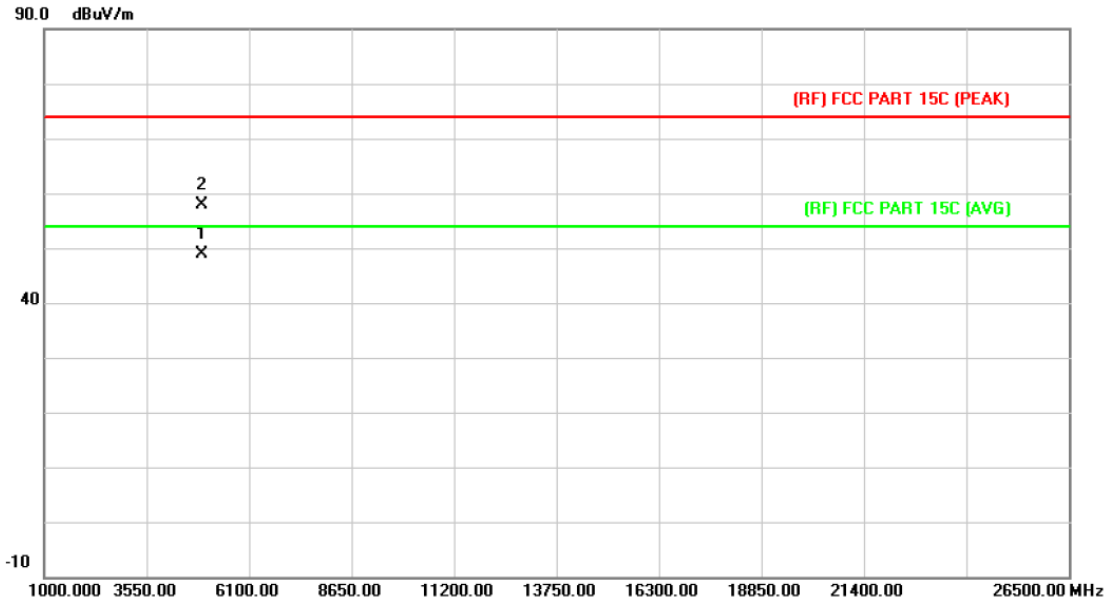
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.043	43.85	14.15	58.00	74.00	-16.00	peak
2	*	4924.248	35.58	14.15	49.73	54.00	-4.27	AVG

Emission Level= Read Level+ Correct Factor

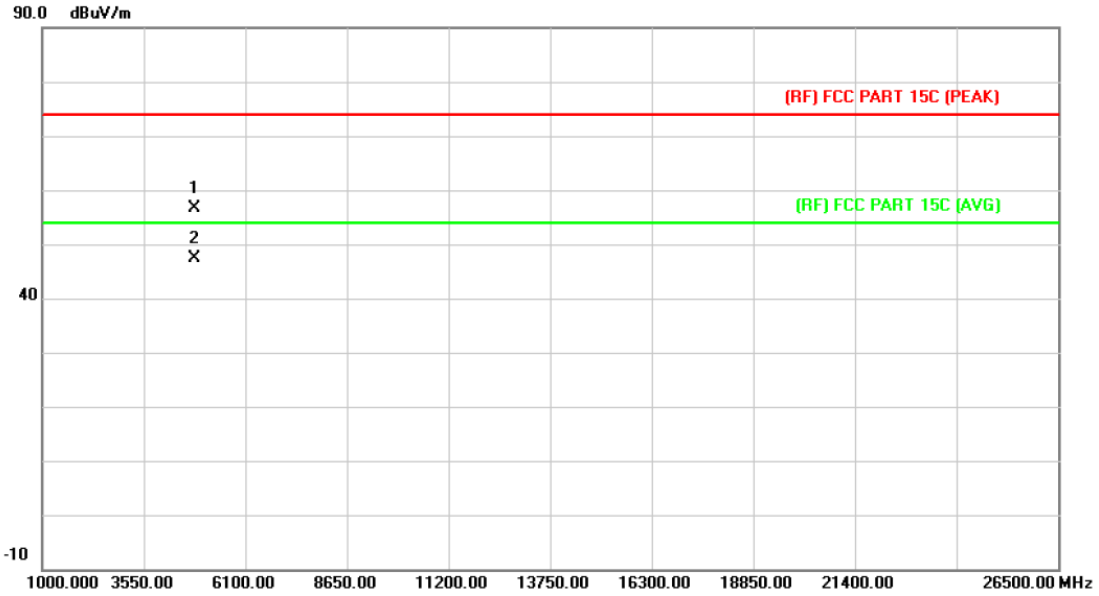
EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2462MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.852	34.76	14.15	48.91	54.00	-5.09	AVG
2		4924.199	43.70	14.15	57.85	74.00	-16.15	peak

Emission Level= Read Level+ Correct Factor

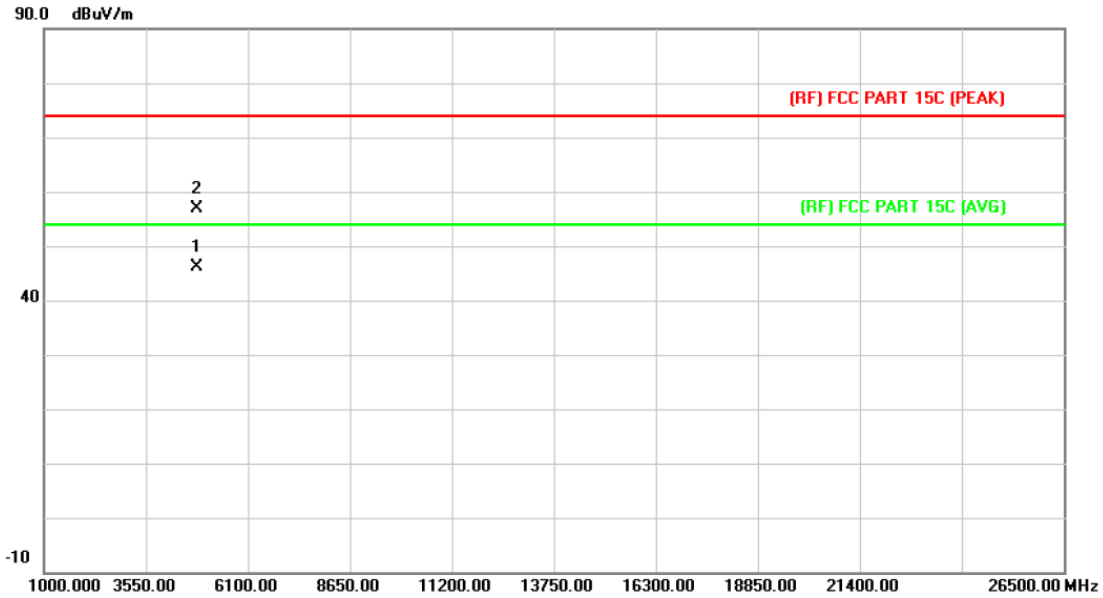
EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT20) Mode 2412MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.051	43.19	13.56	56.75	74.00	-17.25	peak
2	*	4824.058	33.72	13.56	47.28	54.00	-6.72	AVG

Emission Level= Read Level+ Correct Factor

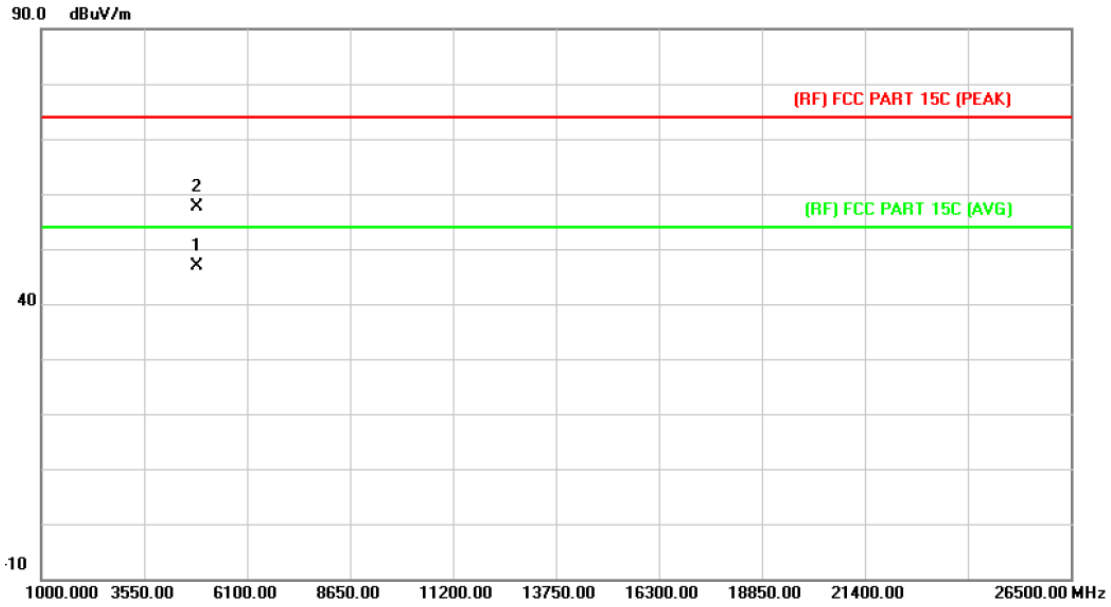
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT20) Mode 2412MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.074	32.59	13.56	46.15	54.00	-7.85	AVG
2		4824.142	43.25	13.56	56.81	74.00	-17.19	peak

Emission Level= Read Level+ Correct Factor

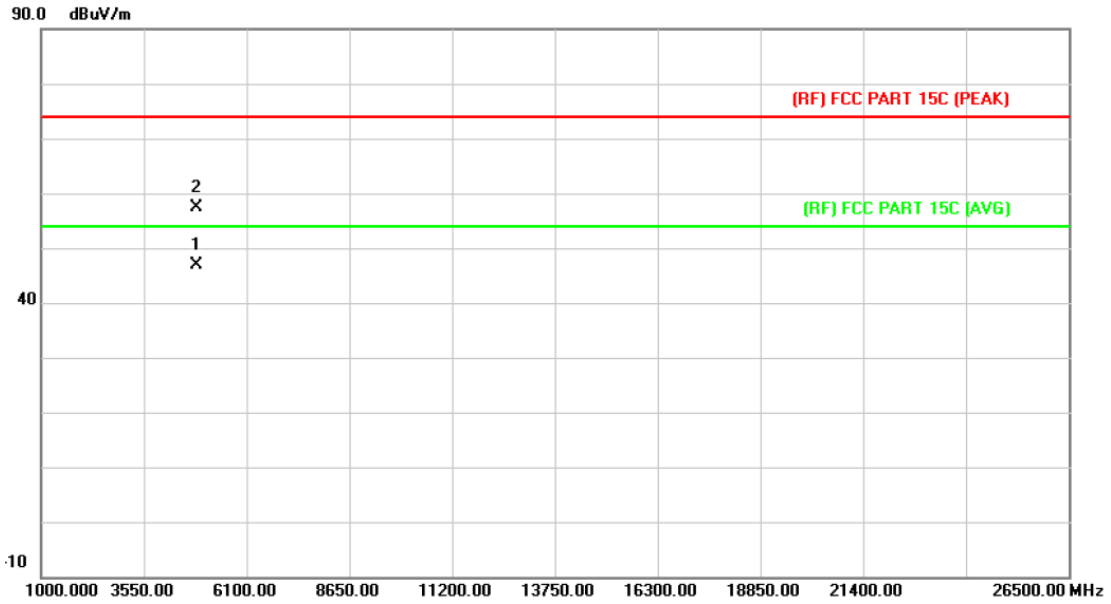
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT20) Mode 2437MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.785	32.93	13.86	46.79	54.00	-7.21	AVG
2		4874.007	43.78	13.86	57.64	74.00	-16.36	peak

Emission Level= Read Level+ Correct Factor

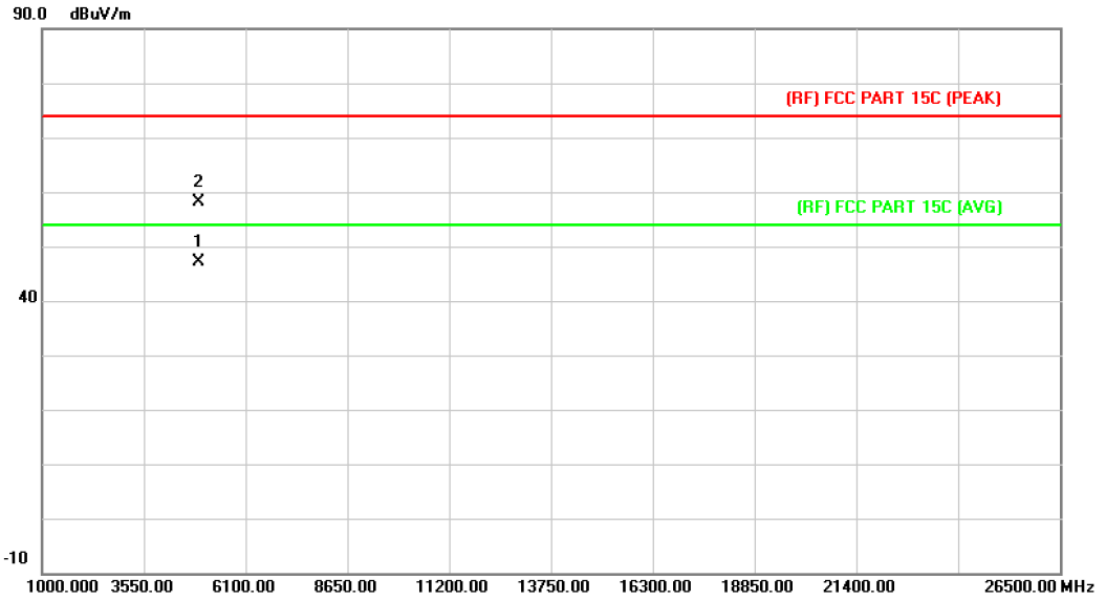
EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT20) Mode 2437MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.884	32.98	13.86	46.84	54.00	-7.16	AVG
2		4874.035	43.51	13.86	57.37	74.00	-16.63	peak

Emission Level= Read Level+ Correct Factor

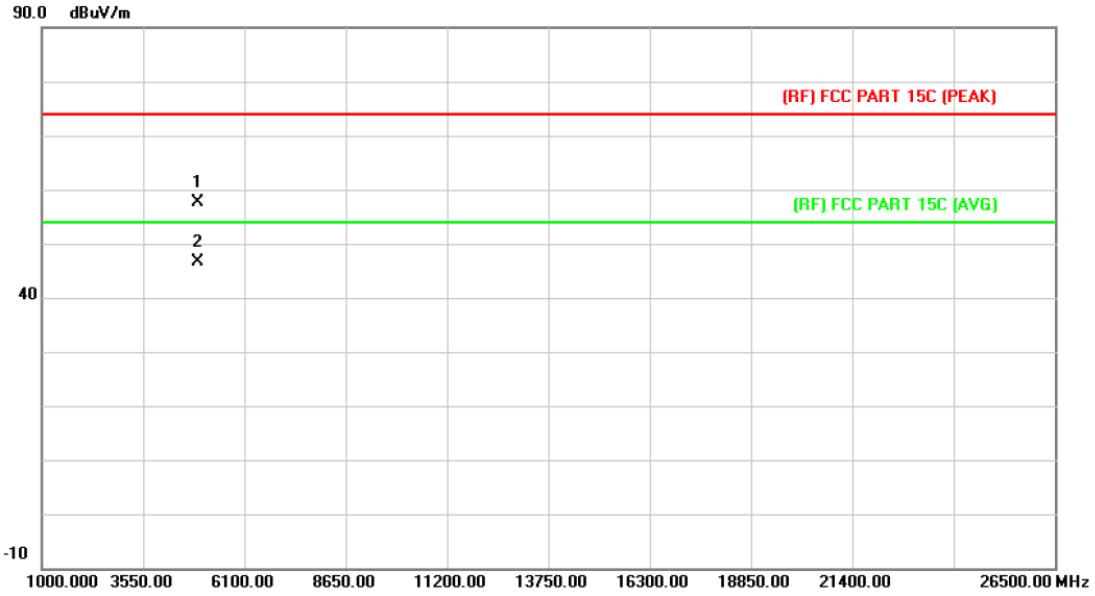
EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT20) Mode 2462MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.158	32.91	14.15	47.06	54.00	-6.94	AVG
2		4924.190	43.98	14.15	58.13	74.00	-15.87	peak

Emission Level= Read Level+ Correct Factor

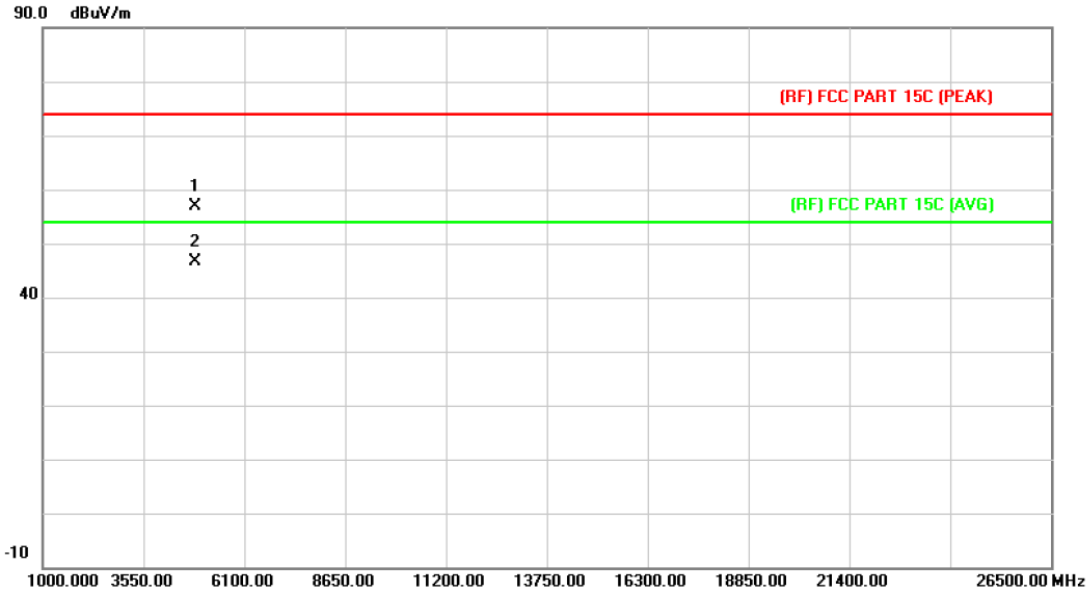
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT20) Mode 2462MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.113	43.40	14.15	57.55	74.00	-16.45	peak
2	*	4924.181	32.38	14.15	46.53	54.00	-7.47	AVG

Emission Level= Read Level+ Correct Factor

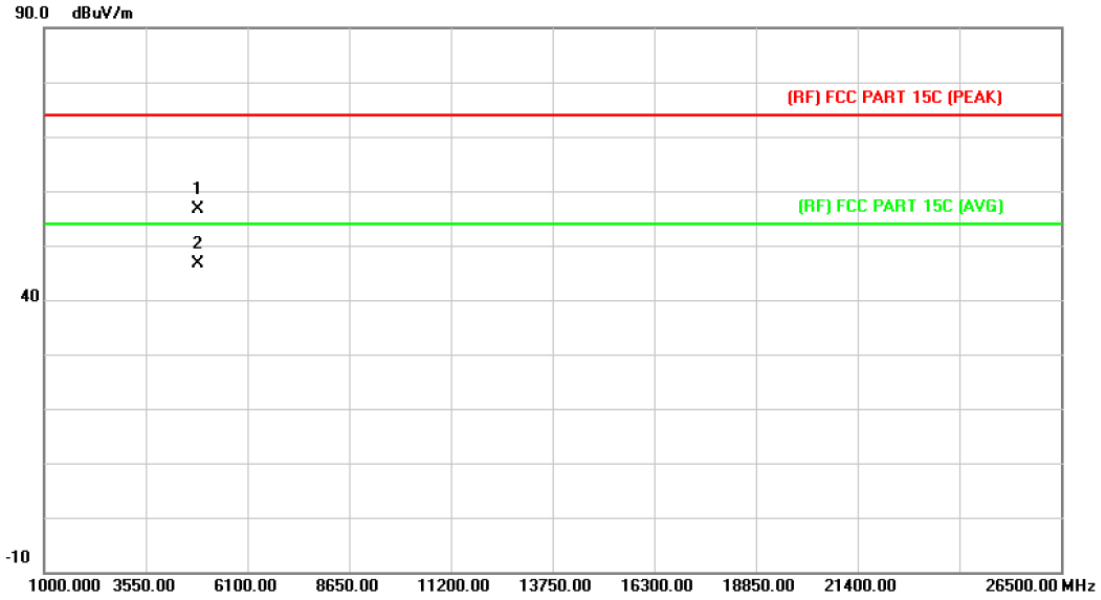
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT40) Mode 2422MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4843.838	43.17	13.68	56.85	74.00	-17.15	peak
2	*	4844.240	33.04	13.68	46.72	54.00	-7.28	AVG

Emission Level= Read Level+ Correct Factor

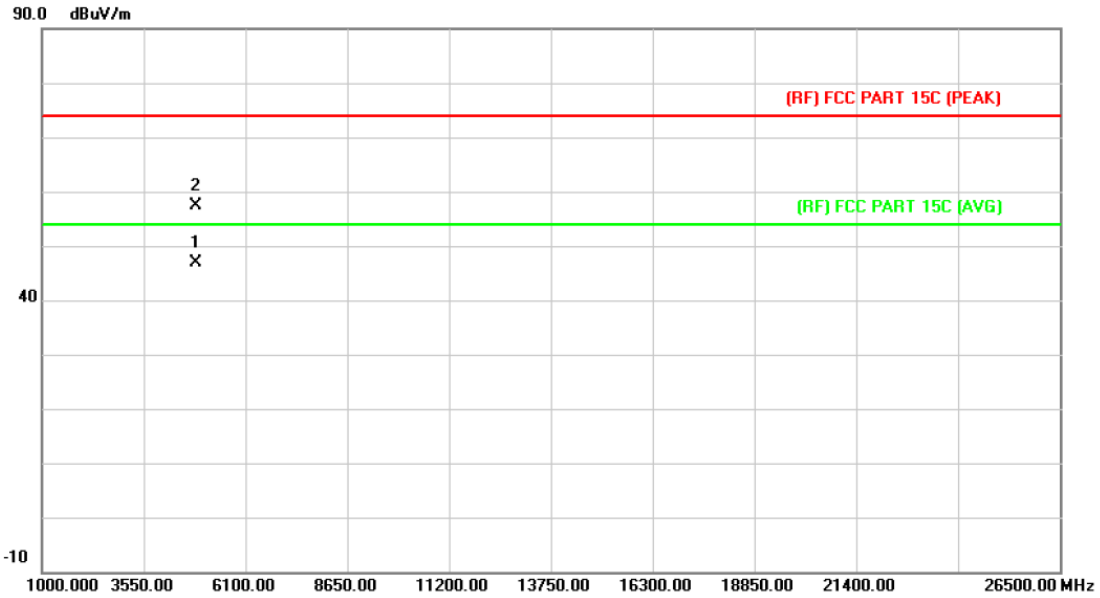
EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2422MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4844.157	42.84	13.68	56.52	74.00	-17.48	peak
2	*	4844.177	32.86	13.68	46.54	54.00	-7.46	AVG

Emission Level= Read Level+ Correct Factor

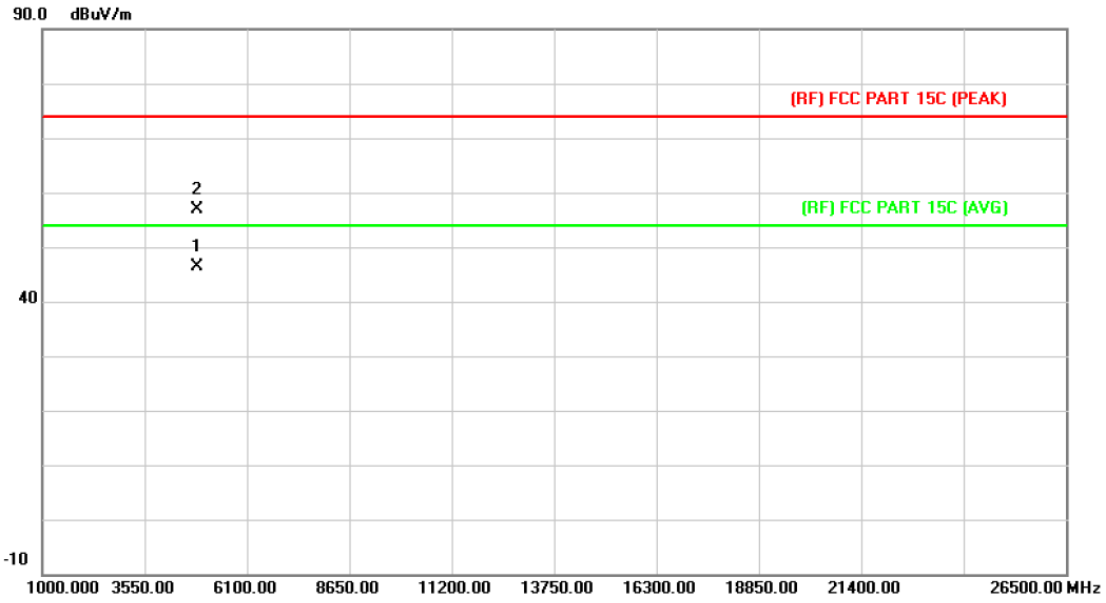
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT40) Mode 2437MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.831	33.02	13.86	46.88	54.00	-7.12	AVG
2		4873.892	43.43	13.86	57.29	74.00	-16.71	peak

Emission Level= Read Level+ Correct Factor

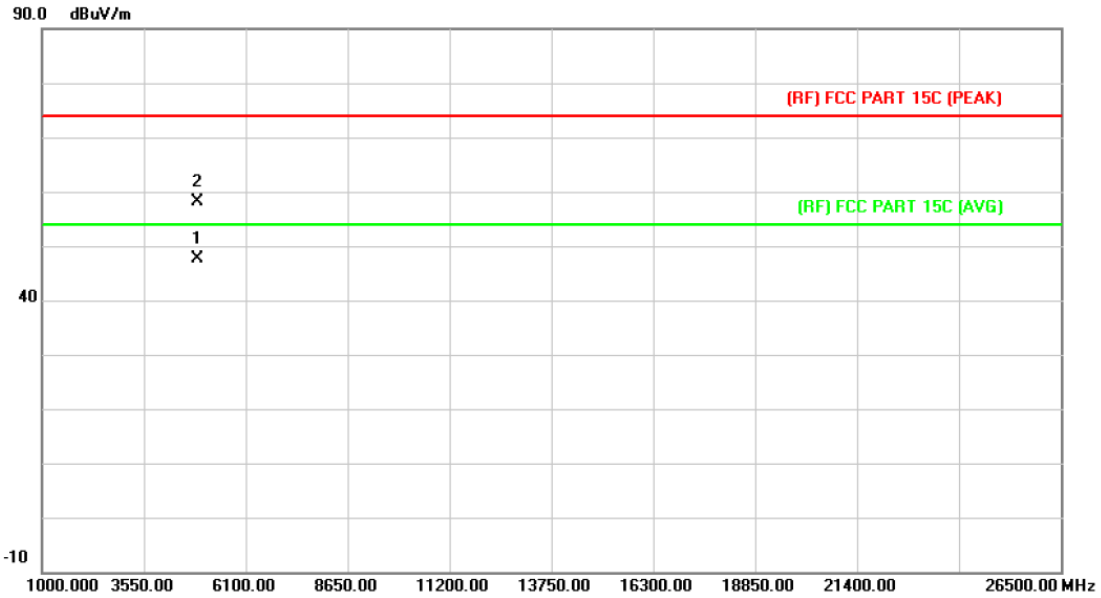
EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2437MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.879	32.45	13.86	46.31	54.00	-7.69	AVG
2		4873.942	43.02	13.86	56.88	74.00	-17.12	peak

Emission Level= Read Level+ Correct Factor

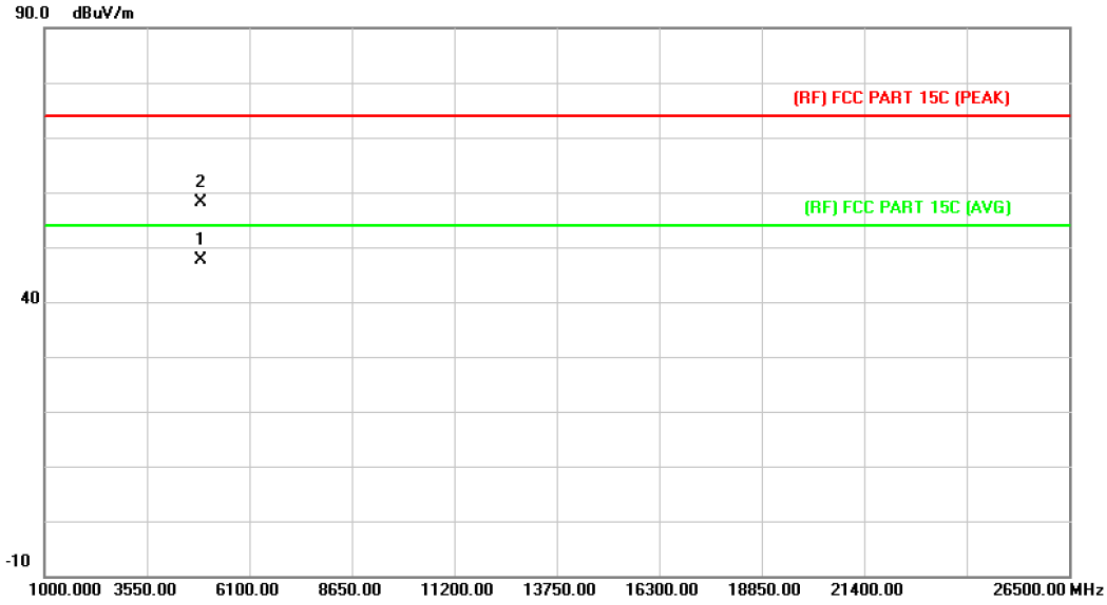
EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT40) Mode 2452MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4903.818	33.56	14.03	47.59	54.00	-6.41	AVG
2		4903.892	43.99	14.03	58.02	74.00	-15.98	peak

Emission Level= Read Level+ Correct Factor

EUT:	CamFi Remote Camera Controller	**Model:**	CF-102
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2452MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4903.818	33.56	14.03	47.59	54.00	-6.41	AVG
2		4903.892	43.99	14.03	58.02	74.00	-15.98	peak

Emission Level= Read Level+ Correct Factor

6. Restricted Bands Requirement

6.1 Test Standard and Limit

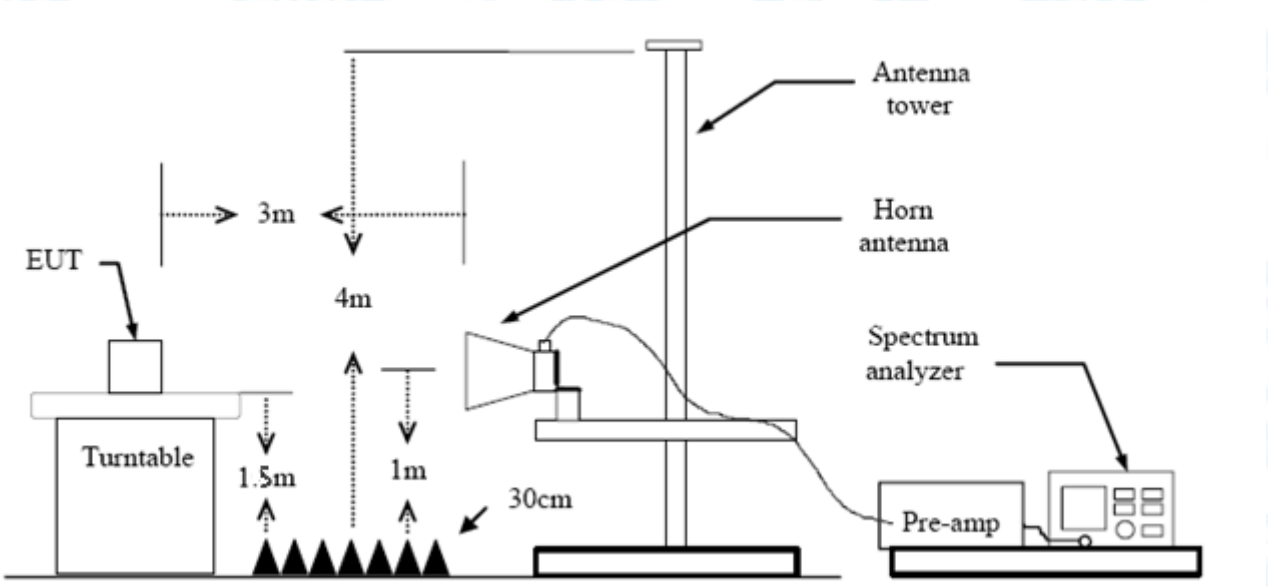
6.1.1 Test Standard

FCC Part 15.209 FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency Band (MHz)	Class B (dBuV/m)(at 3 M)	
	Peak	Average
2310 ~2390	74	54
2483.5 ~2500	74	54

6.2 Test Setup



6.3 Test Procedure

(1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.

(2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.

(3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make 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 Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
(6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
(7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
(8) For the actual test configuration, please see the test setup photo.

6.4 EUT Operating Condition

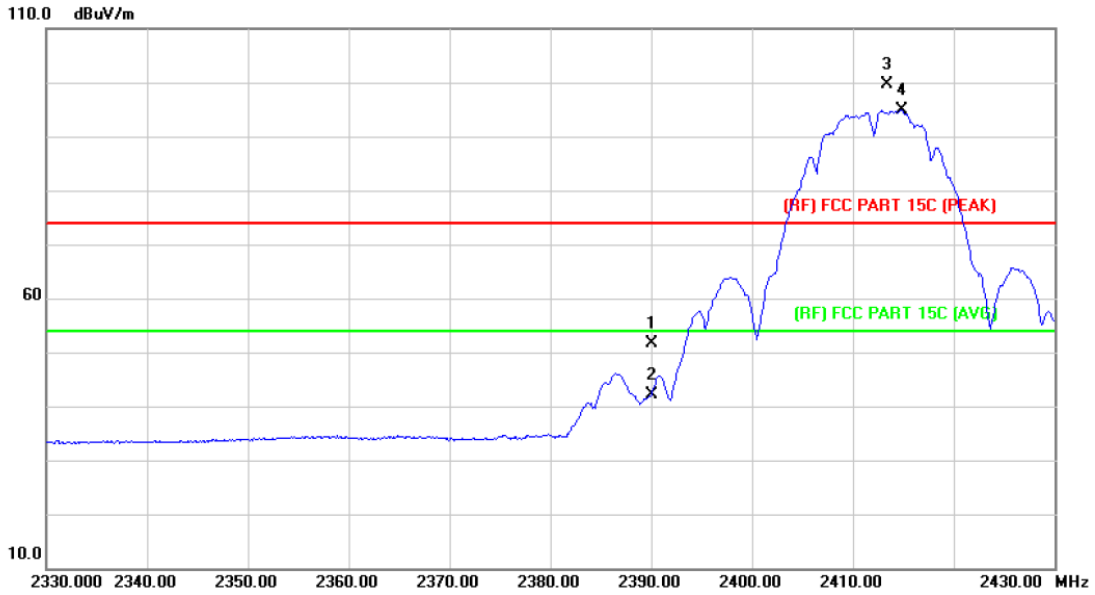
The Equipment Under Test was set to Continual Transmitting in maximum power.

6.5 Test Data

Please see the next page.

(1) Radiation Test

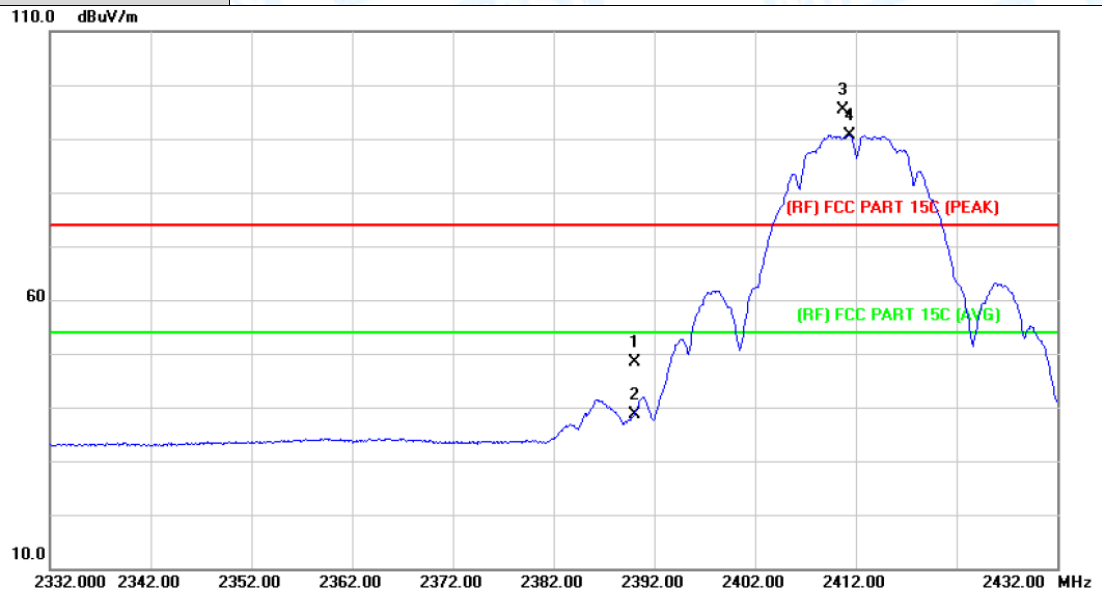
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2412MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	50.83	0.77	51.60	74.00	-22.40	peak
2		2390.000	41.43	0.77	42.20	54.00	-11.80	AVG
3	X	2413.400	98.86	0.86	99.72	Fundamental Frequency		peak
4	*	2414.800	94.00	0.88	94.88	Fundamental Frequency		AVG

Emission Level= Read Level+ Correct Factor

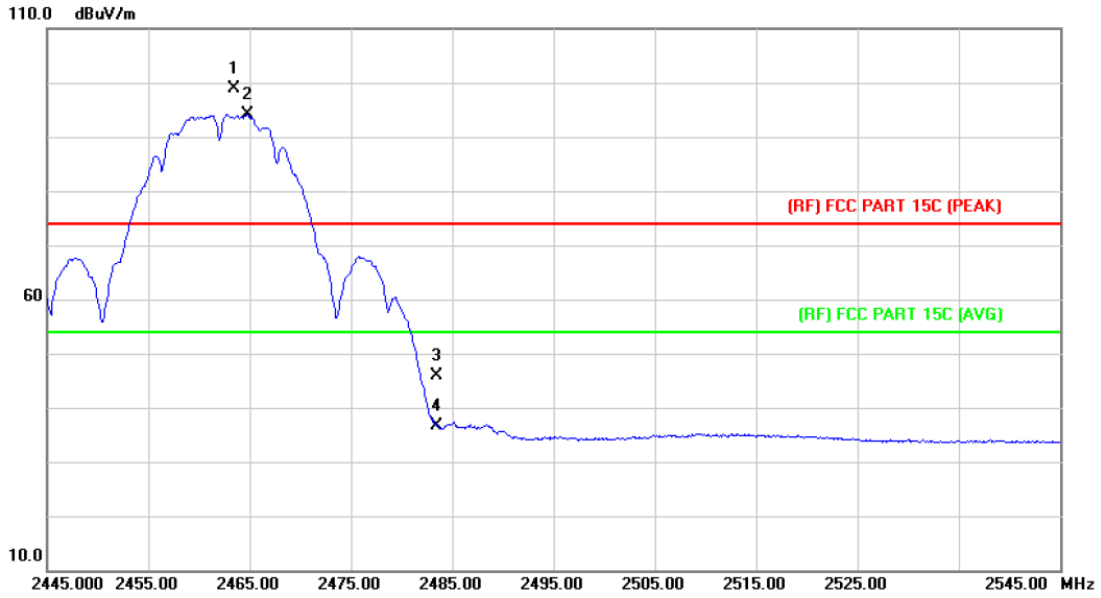
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	47.55	0.77	48.32	74.00	-25.68	peak
2		2390.000	37.96	0.77	38.73	54.00	-15.27	AVG
3	X	2410.700	94.54	0.86	95.40	Fundamental Frequency		peak
4	*	2411.400	89.82	0.86	90.68	Fundamental Frequency		AVG

Emission Level= Read Level+ Correct Factor

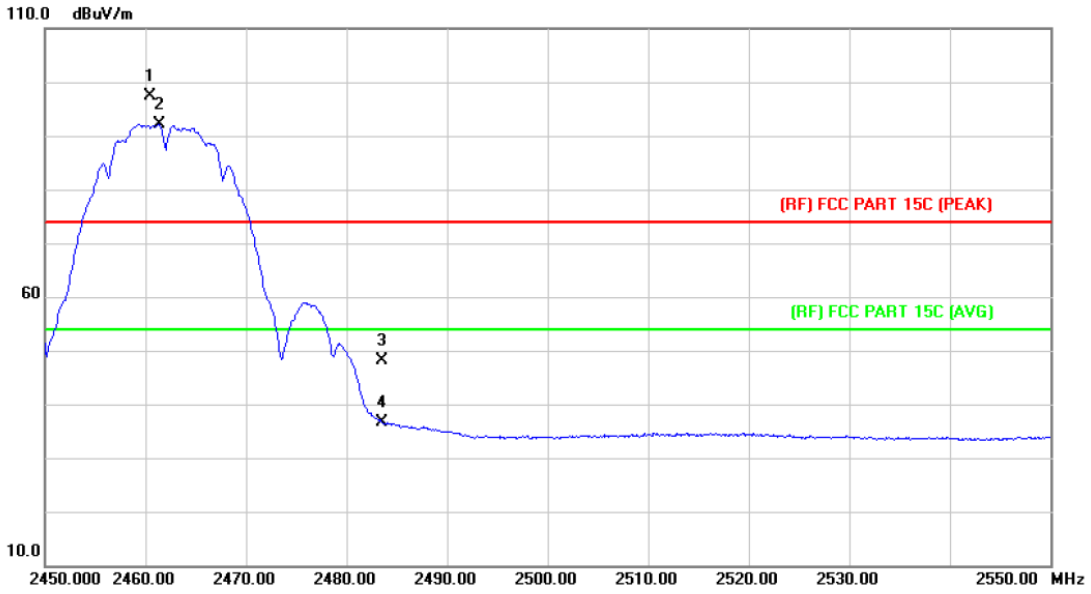
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2462MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2463.400	97.83	1.08	98.91	Fundamental Frequency		peak
2	*	2464.800	92.96	1.09	94.05	Fundamental Frequency		AVG
3		2483.500	44.83	1.17	46.00	74.00	-28.00	peak
4		2483.500	35.47	1.17	36.64	54.00	-17.36	AVG

Emission Level= Read Level+ Correct Factor

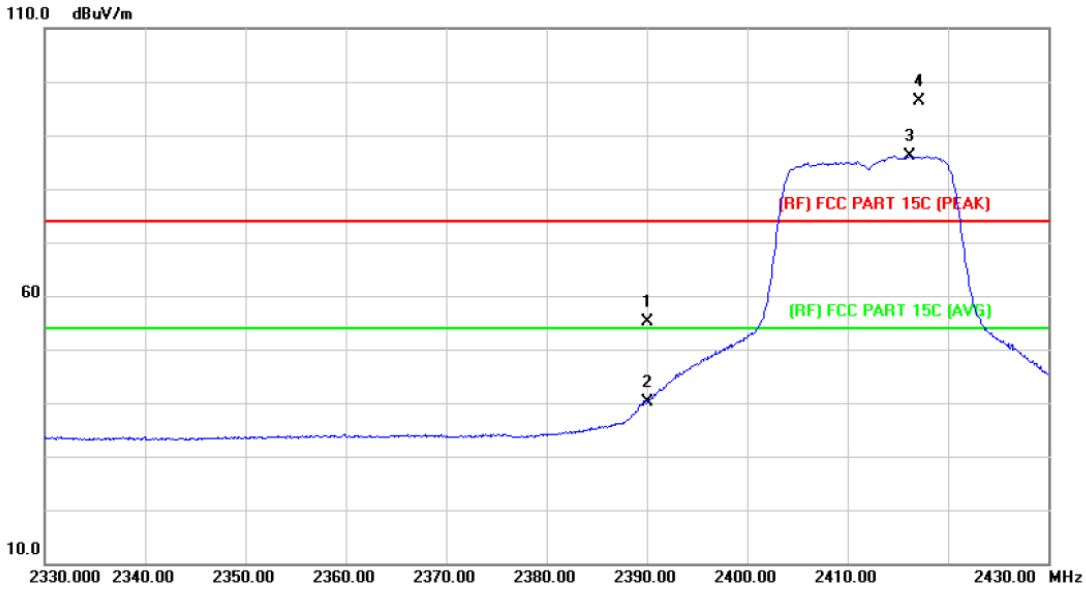
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2462MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2460.500	96.28	1.06	97.34	Fundamental Frequency		peak
2	*	2461.400	91.06	1.07	92.13	Fundamental Frequency		AVG
3		2483.500	46.96	1.17	48.13	74.00	-25.87	peak
4		2483.500	35.57	1.17	36.74	54.00	-17.26	AVG

Emission Level= Read Level+ Correct Factor

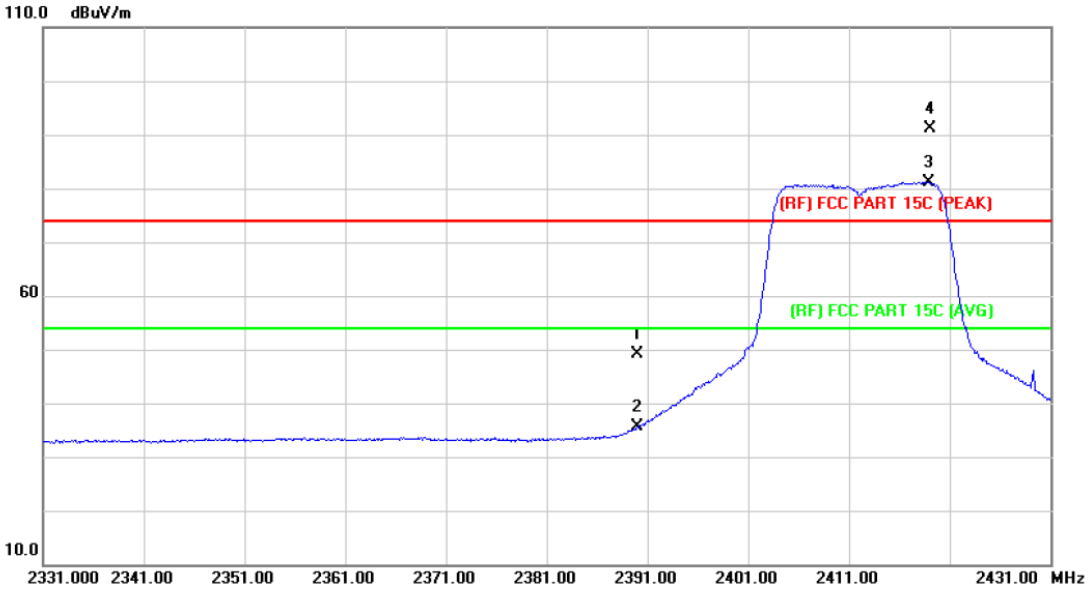
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2412MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	54.24	0.77	55.01	74.00	-18.99	peak
2		2390.000	39.40	0.77	40.17	54.00	-13.83	AVG
3	*	2416.200	85.20	0.88	86.08	Fundamental Frequency		AVG
4	X	2417.200	95.43	0.88	96.31	Fundamental Frequency		peak

Emission Level= Read Level+ Correct Factor

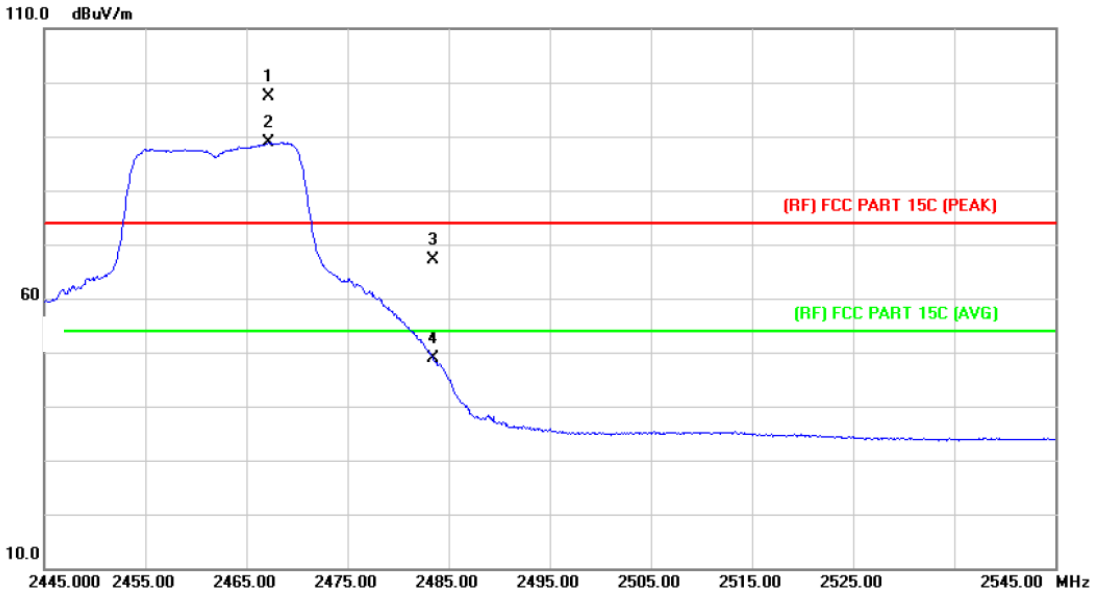
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2412MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	48.28	0.77	49.05	74.00	-24.95	peak
2		2390.000	34.74	0.77	35.51	54.00	-18.49	AVG
3	*	2418.900	80.24	0.89	81.13	Fundamental Frequency		AVG
4	X	2419.000	90.31	0.89	91.20	Fundamental Frequency		peak

Emission Level= Read Level+ Correct Factor

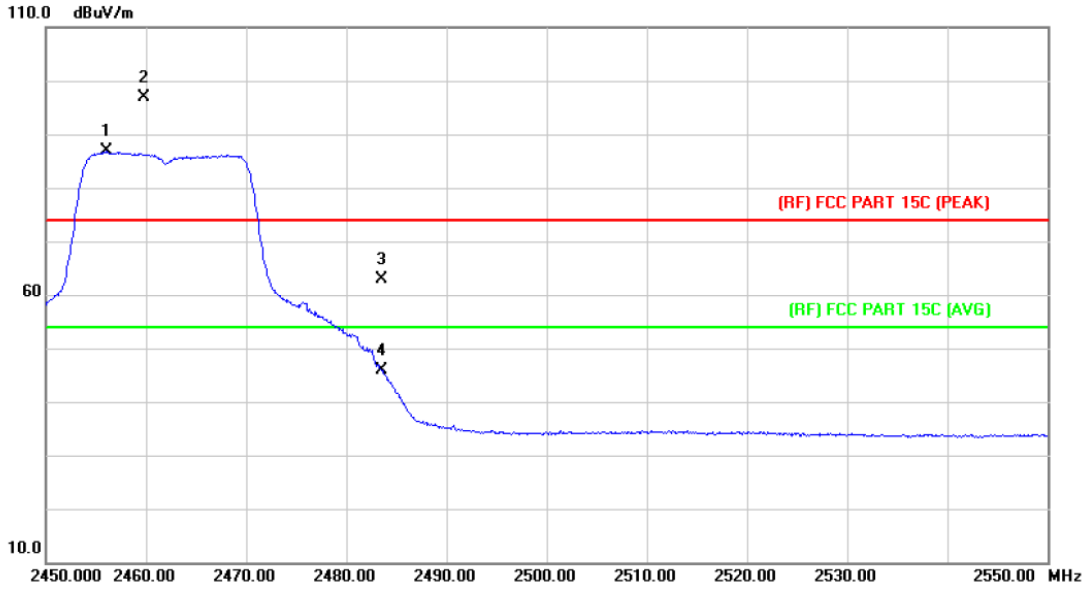
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2467.200	96.28	1.10	97.38	Fundamental Frequency		peak
2	*	2467.200	87.78	1.10	88.88	Fundamental Frequency		AVG
3		2483.500	65.99	1.17	67.16	74.00	-6.84	peak
4		2483.500	47.74	1.17	48.91	54.00	-5.09	AVG

Emission Level= Read Level+ Correct Factor

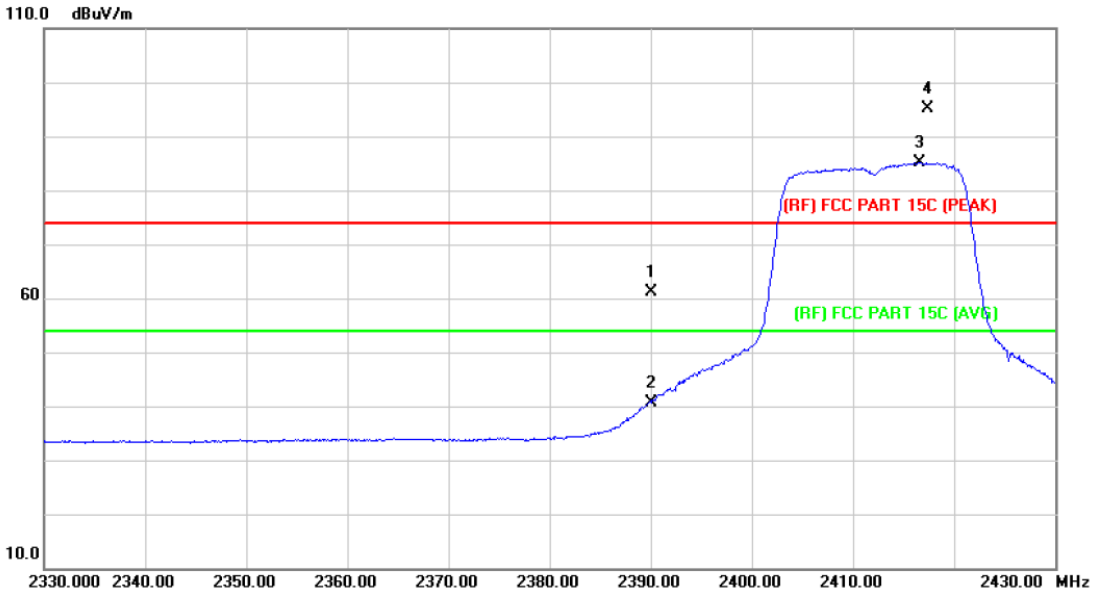
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2456.100	85.82	1.05	86.87	Fundamental Frequency		AVG
2	X	2459.800	95.78	1.06	96.84	Fundamental Frequency		peak
3		2483.500	61.64	1.17	62.81	74.00	-11.19	peak
4		2483.500	44.63	1.17	45.80	54.00	-8.20	AVG

Emission Level= Read Level+ Correct Factor

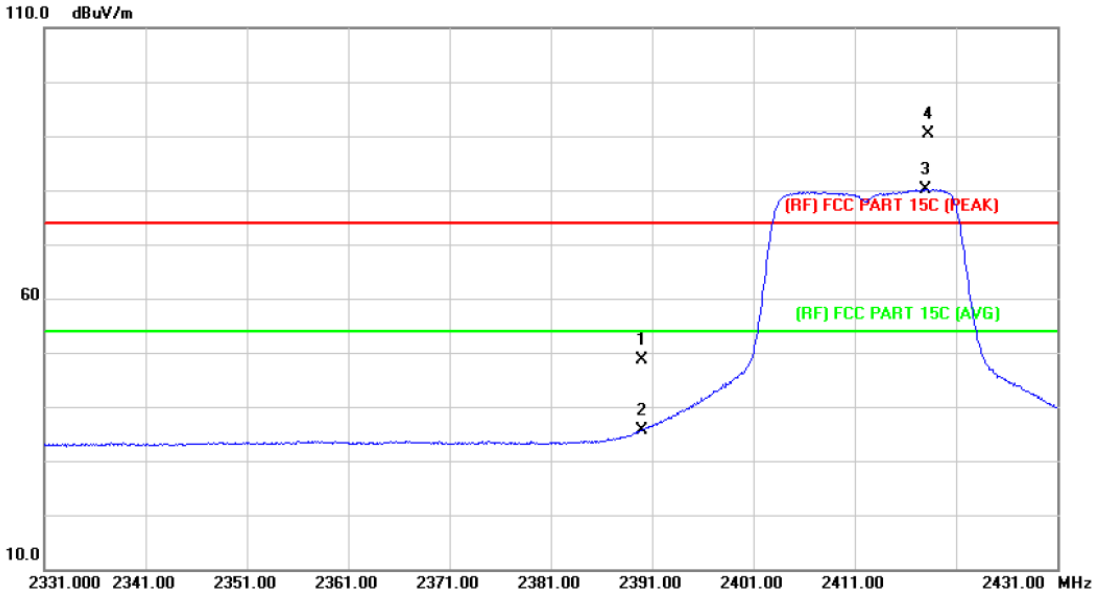
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT20) Mode 2412MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	60.39	0.77	61.16	74.00	-12.84	peak
2		2390.000	39.95	0.77	40.72	54.00	-13.28	AVG
3	*	2416.600	84.25	0.88	85.13	Fundamental Frequency		AVG
4	X	2417.400	94.23	0.89	95.12	Fundamental Frequency		peak

Emission Level= Read Level+ Correct Factor

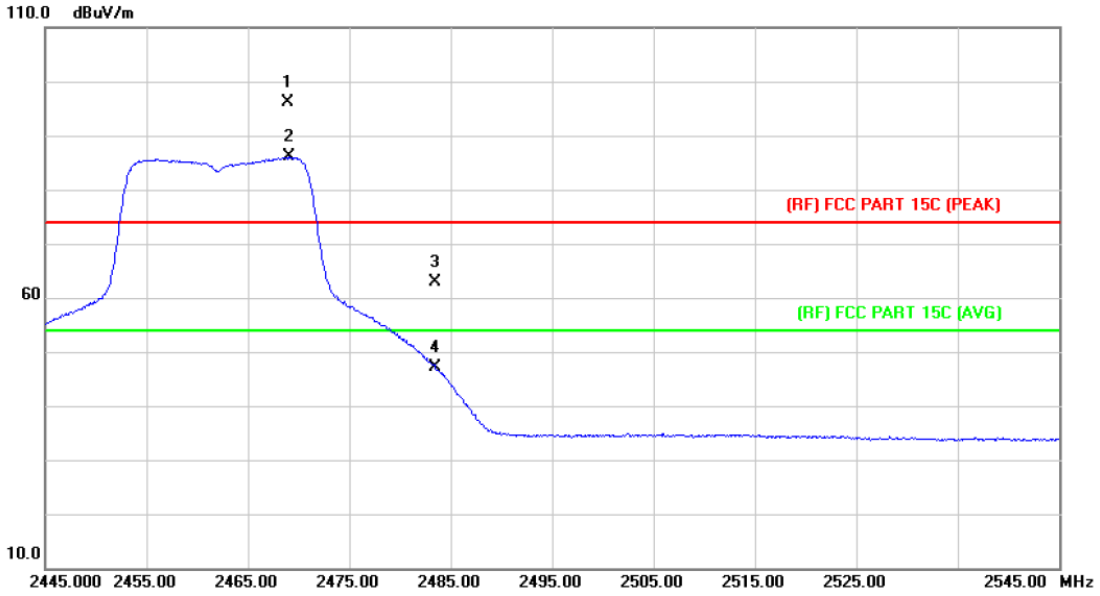
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT20) Mode 2412MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	47.88	0.77	48.65	74.00	-25.35	peak
2		2390.000	34.75	0.77	35.52	54.00	-18.48	AVG
3	*	2418.000	79.31	0.89	80.20	Fundamental Frequency		AVG
4	X	2418.300	89.53	0.89	90.42	Fundamental Frequency		peak

Emission Level= Read Level+ Correct Factor

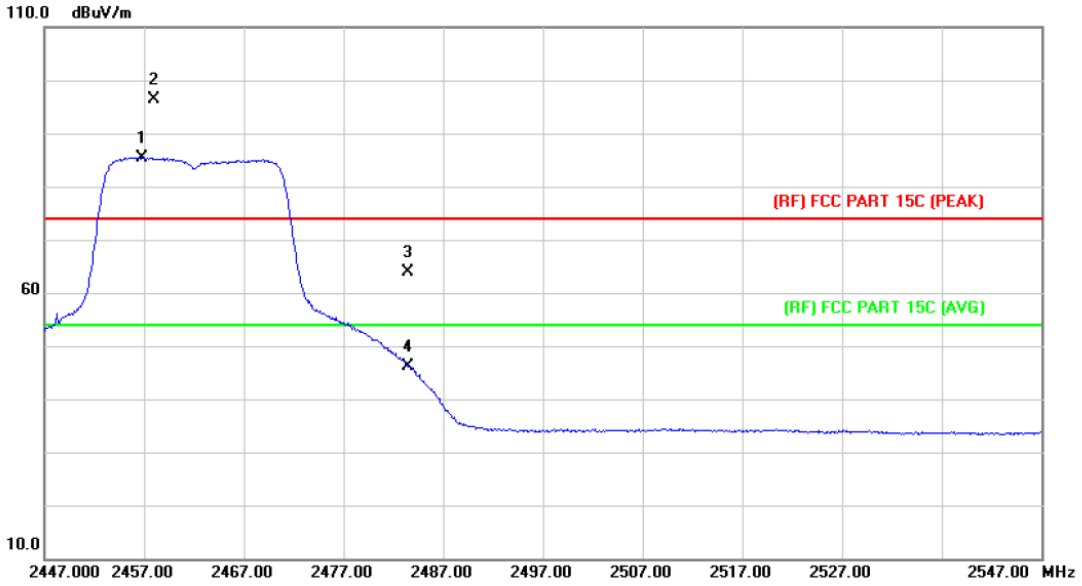
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT20) Mode 2462MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2468.900	95.14	1.11	96.25	Fundamental Frequency		peak
2	*	2469.000	84.93	1.11	86.04	Fundamental Frequency		AVG
3		2483.500	61.76	1.17	62.93	74.00	-11.07	peak
4		2483.500	45.97	1.17	47.14	54.00	-6.86	AVG

Emission Level= Read Level+ Correct Factor

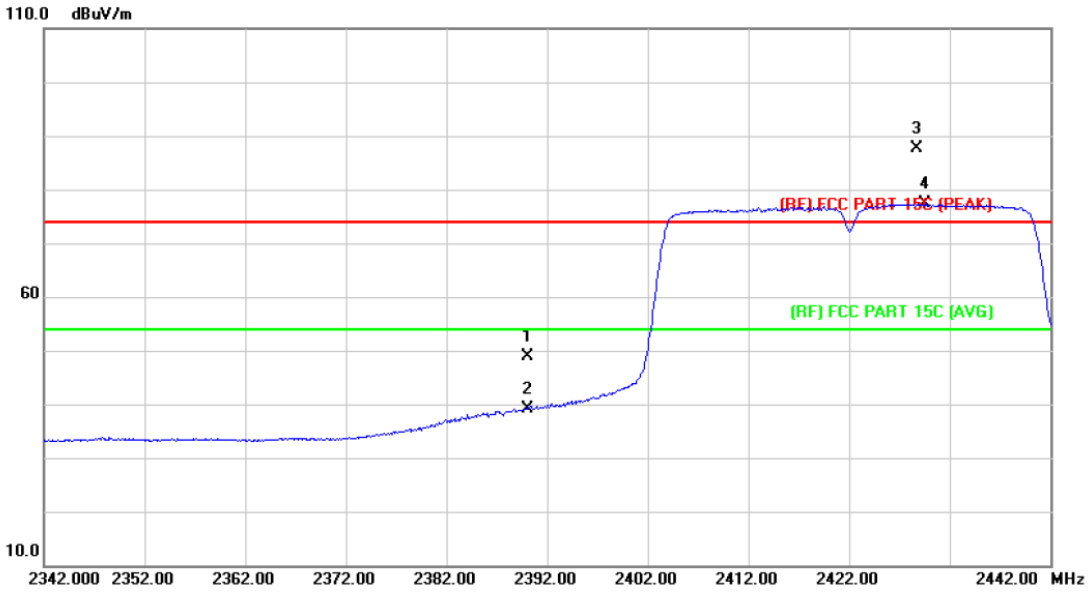
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT20) Mode 2462MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2456.800	84.45	1.05	85.50	Fundamental Frequency		AVG
2	X	2458.000	95.32	1.06	96.38	Fundamental Frequency		peak
3		2483.500	62.75	1.17	63.92	74.00	-10.08	peak
4		2483.500	44.90	1.17	46.07	54.00	-7.93	AVG

Emission Level= Read Level+ Correct Factor

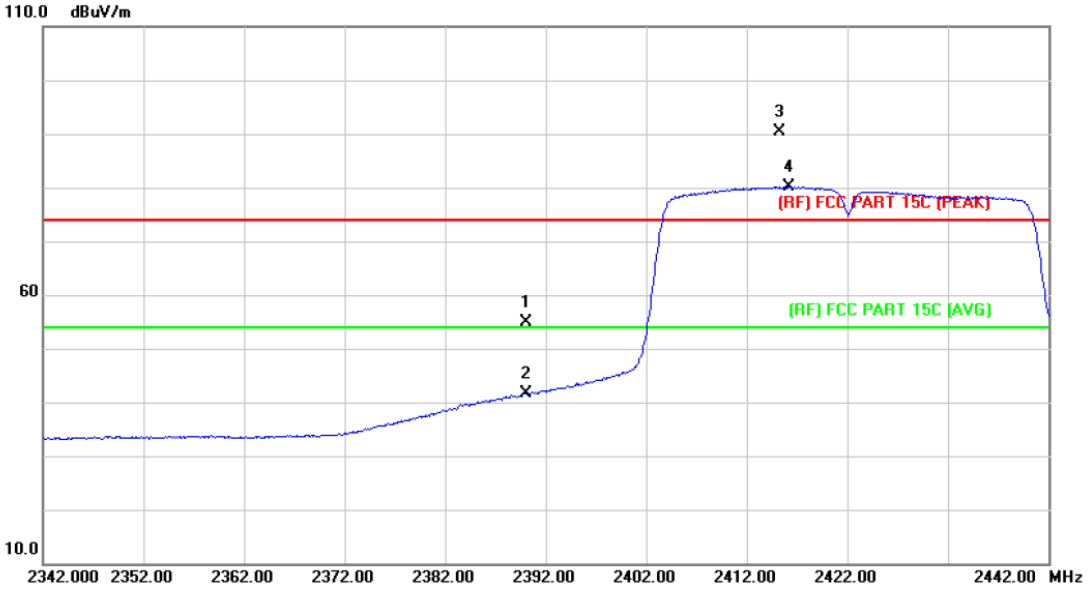
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT40) Mode 2422MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	48.14	0.77	48.91	74.00	-25.09	peak
2		2390.000	38.39	0.77	39.16	54.00	-14.84	AVG
3	X	2428.700	86.74	0.94	87.68	Fundamental Frequency		peak
4	*	2429.600	76.32	0.94	77.26	Fundamental Frequency		AVG

Emission Level= Read Level+ Correct Factor

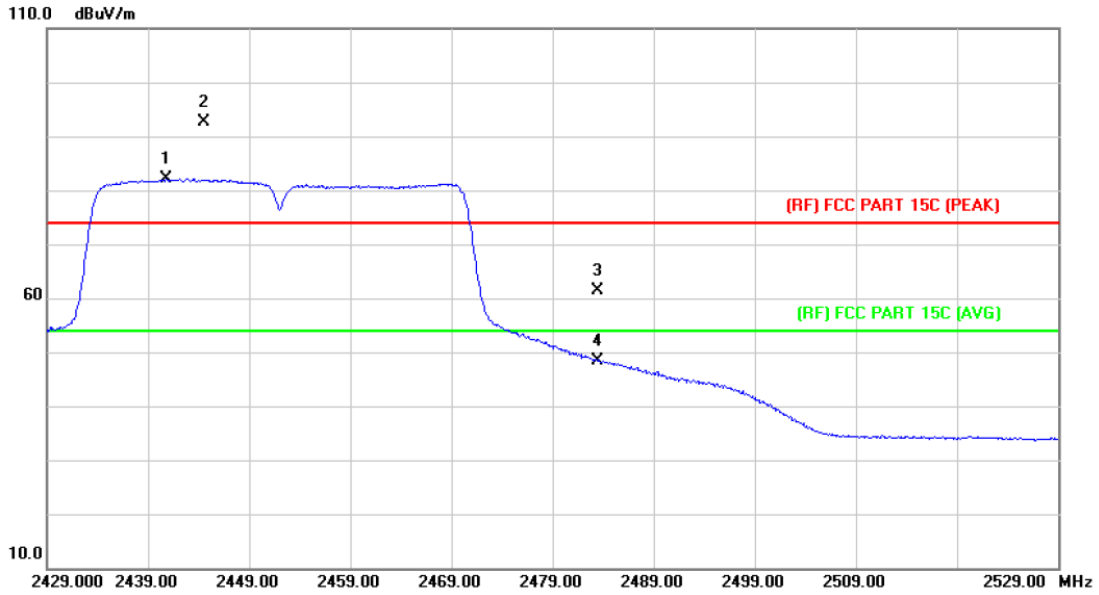
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2422MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	54.08	0.77	54.85	74.00	-19.15	peak
2		2390.000	40.81	0.77	41.58	54.00	-12.42	AVG
3	X	2415.300	89.41	0.88	90.29	Fundamental Frequency		peak
4	*	2416.200	79.24	0.88	80.12	Fundamental Frequency		AVG

Emission Level= Read Level+ Correct Factor

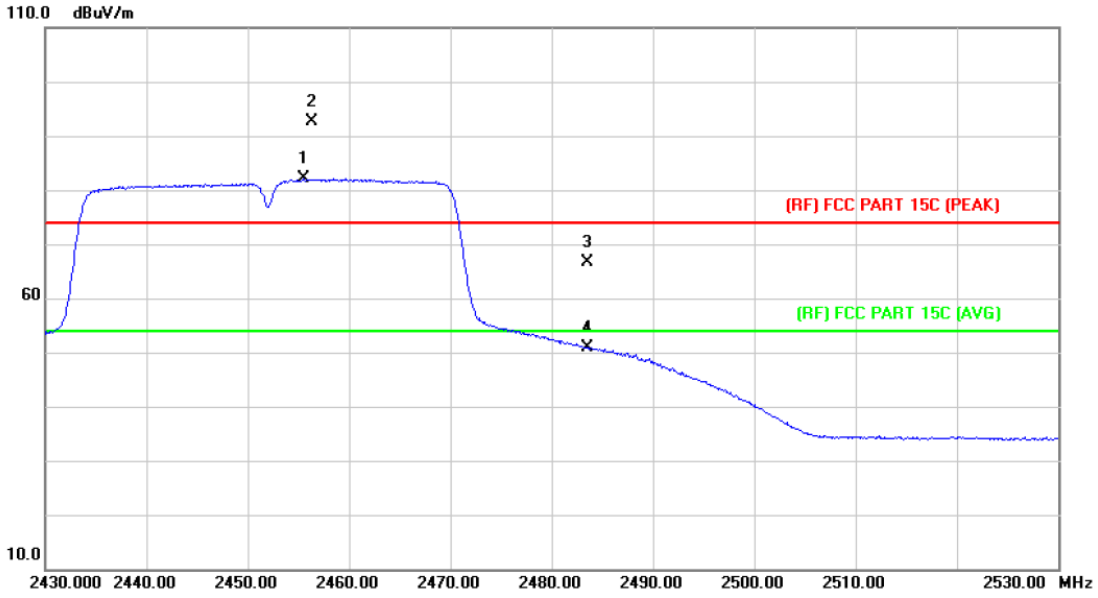
EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT40) Mode 2452MHz		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2440.800	81.14	0.98	82.12	Fundamental Frequency		AVG
2	X	2444.500	91.68	1.01	92.69	Fundamental Frequency		peak
3		2483.500	60.10	1.17	61.27	74.00	-12.73	peak
4		2483.500	47.32	1.17	48.49	54.00	-5.51	AVG

Emission Level= Read Level+ Correct Factor

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2452MHz		
Remark:	N/A		

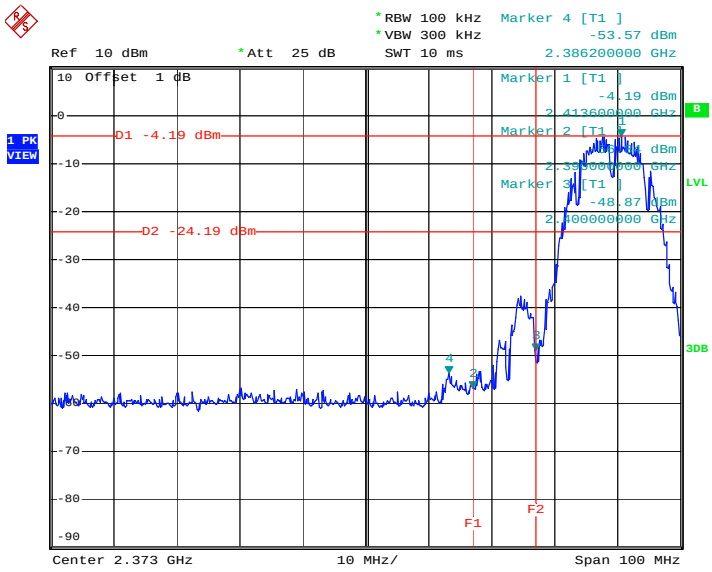


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2455.500	80.98	1.05	82.03	Fundamental Frequency		AVG
2	X	2456.300	91.50	1.05	92.55	Fundamental Frequency		peak
3		2483.500	65.52	1.17	66.69	74.00	-7.31	peak
4		2483.500	49.63	1.17	50.80	54.00	-3.20	AVG

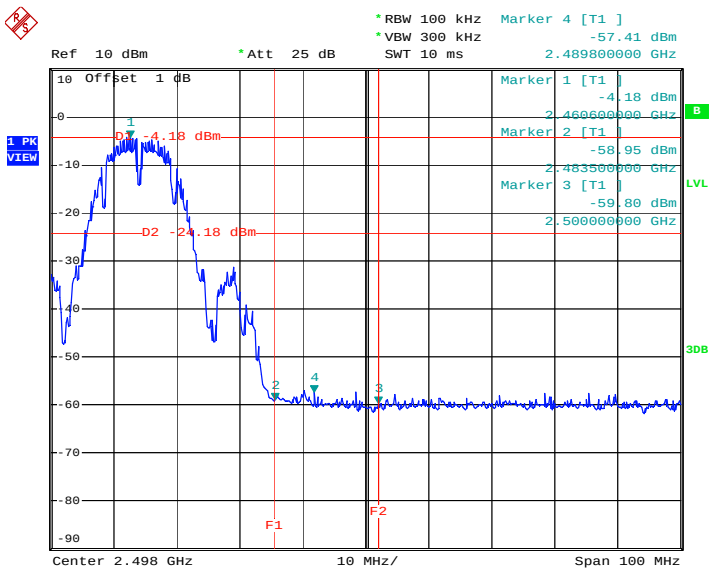
Emission Level= Read Level+ Correct Factor

(2) Conducted Test

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Test Mode:	TX B Mode 2412MHz / TX B Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		

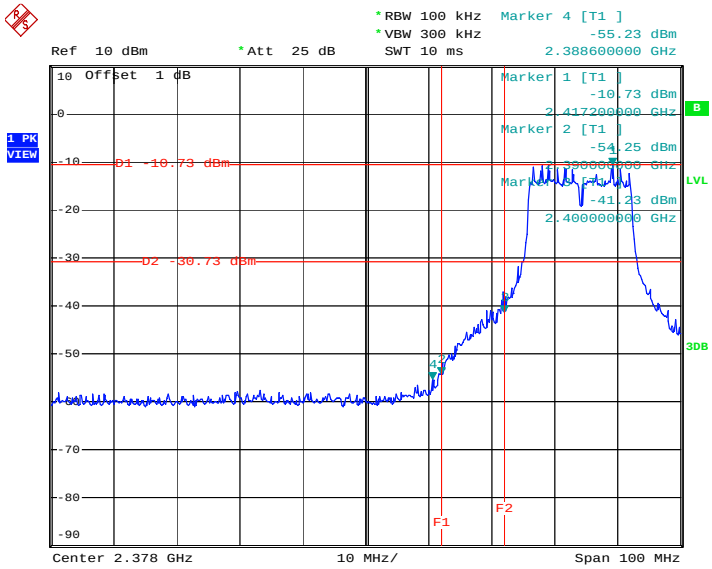


Date: 10.NOV.2016 13:34:05

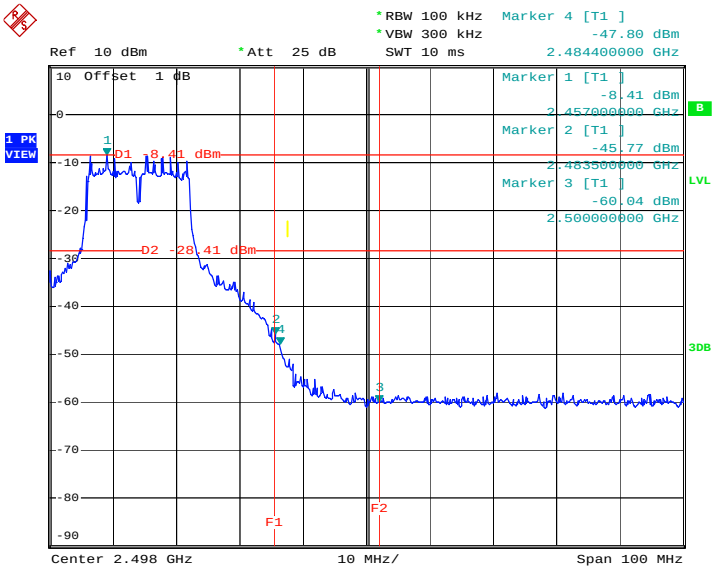


Date: 10.NOV.2016 13:35:34

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Test Mode:	TX G Mode 2412MHz / TX G Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		

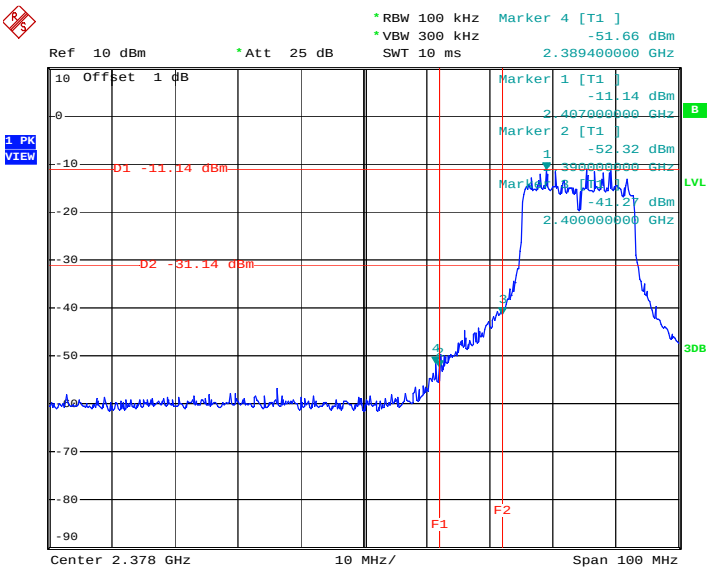


Date: 10.NOV.2016 13:37:44

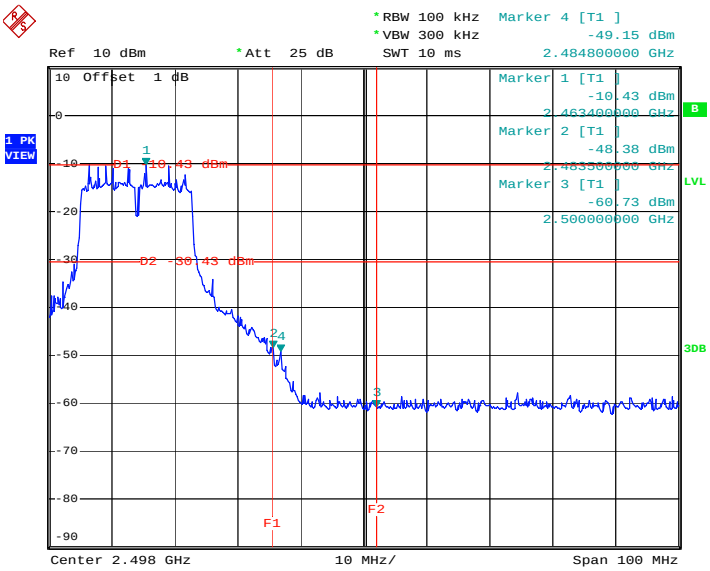


Date: 10.NOV.2016 13:36:37

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Test Mode:	TX N(HT20) Mode 2412MHz / TX N(HT20) Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		

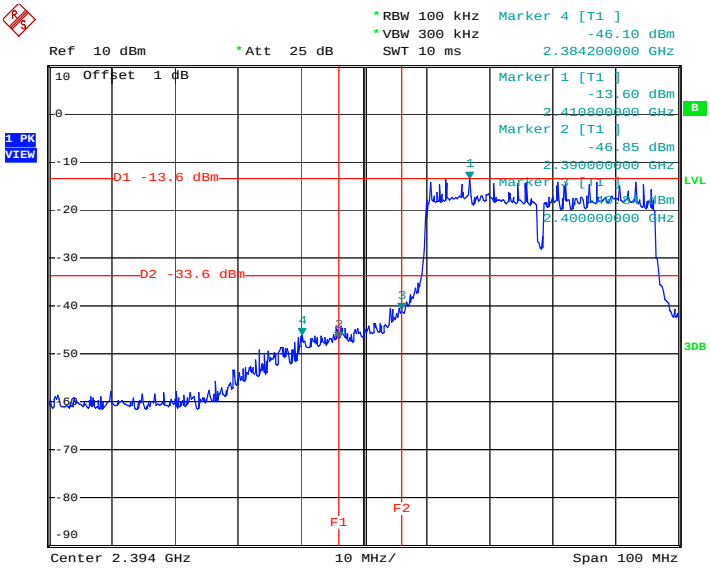


Date: 10.NOV.2016 13:38:58

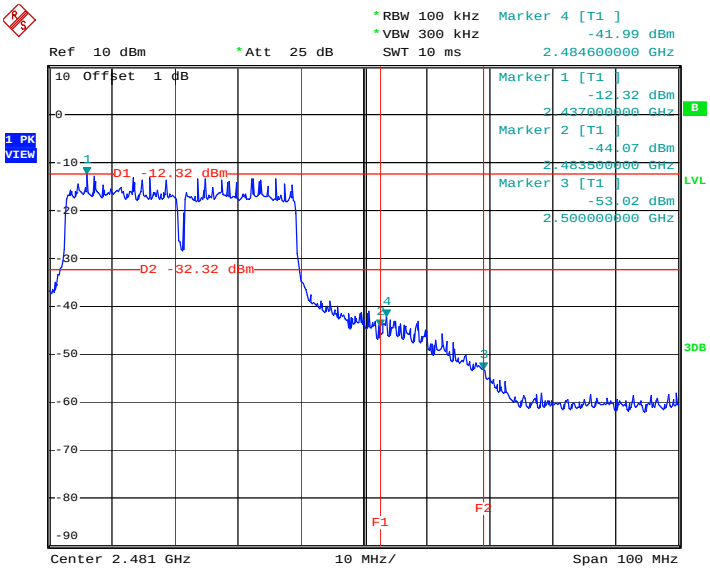


Date: 10.NOV.2016 13:40:16

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Test Mode:	TX N(HT40) Mode 2422MHz / TX N(HT40) Mode 2452MHz		
Remark:	The EUT is programed in continuously transmitting mode		



Date: 10.NOV.2016 13:43:17



Date: 10.NOV.2016 13:42:13

7. Bandwidth Test

7.1 Test Standard and Limit

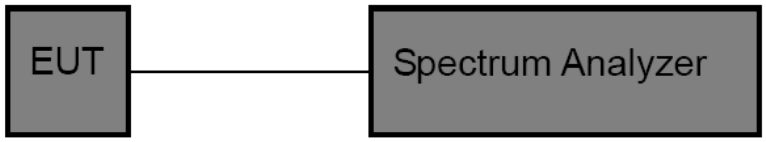
7.1.1 Test Standard

FCC Part 15.247 (a)(2)

7.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210		
Test Item	**Limit**	**Frequency Range(MHz)**
Bandwidth	>=500 KHz (6dB bandwidth)	2400~2483.5

7.2 Test Setup



7.3 Test Procedure

(1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.

(2) The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst –case (i.e the widest) bandwidth.

(3)Measure the channel separation the spectrum analyzer was set to Resolution Bandwidth:100 kHz, and Video Bandwidth:300 kHz, Detector: Peak, Sweep Time set auto.

7.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Digital photo framesdle and high channel for the test.

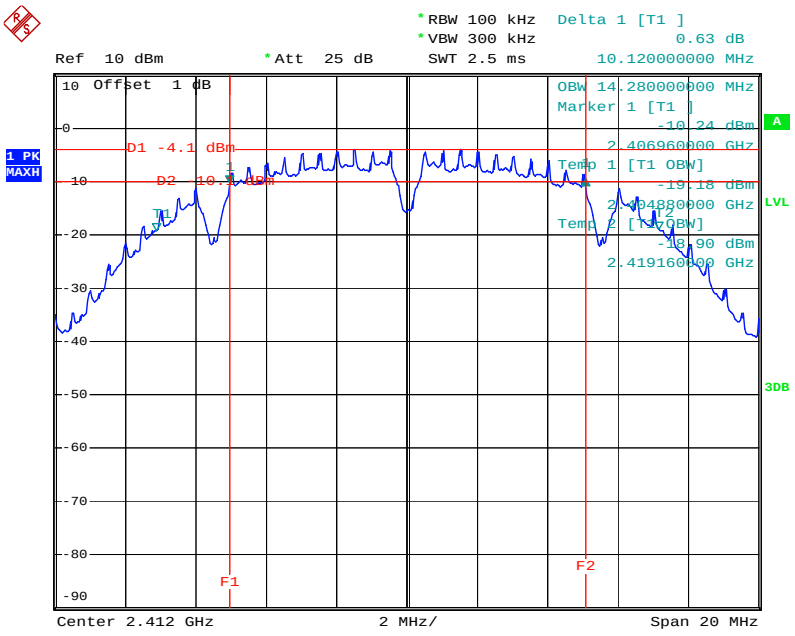
7.5 Test Data

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Test Mode:	TX 802.11B Mode		

Channel frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
2412	16.40	14.28	>=0.5
2437	16.40	14.64	
2462	16.40	14.64	

802.11B Mode

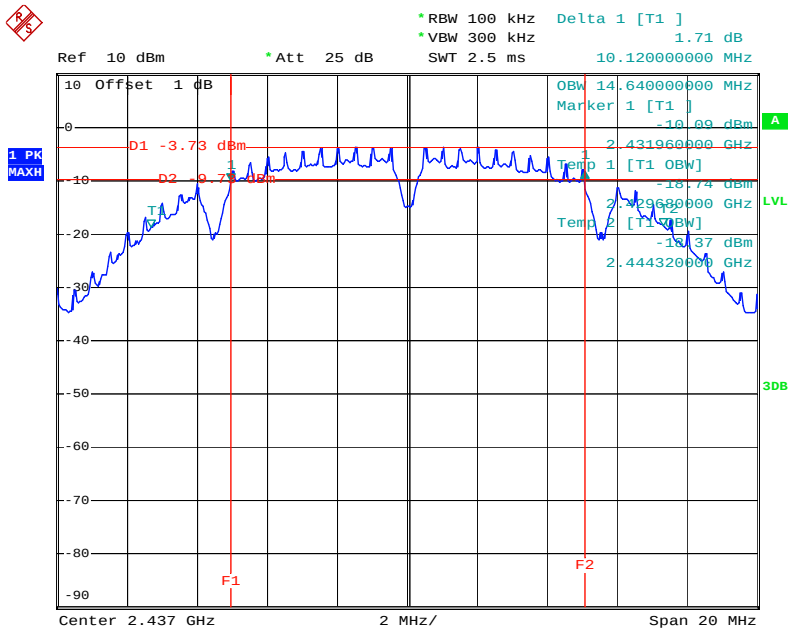
2412 MHz



Date: 10.NOV.2016 12:57:15

802.11B Mode

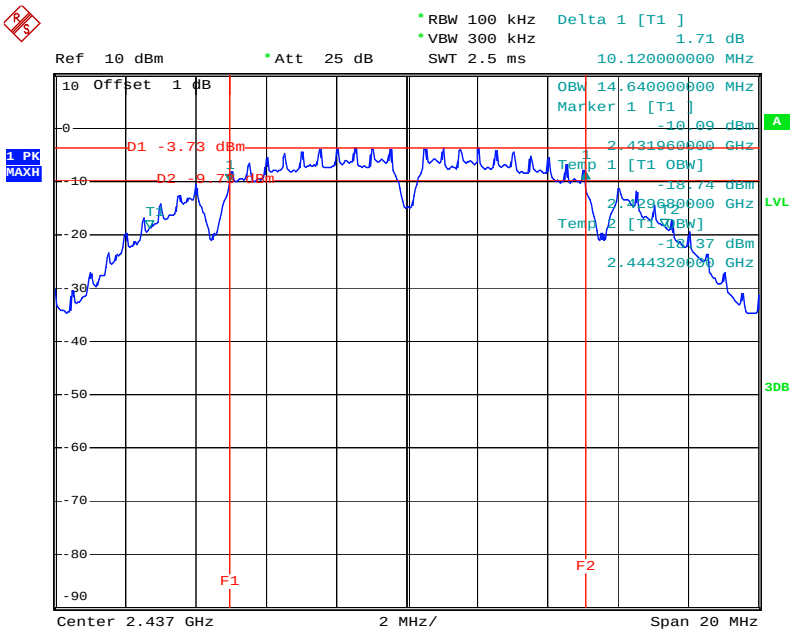
2437 MHz



Date: 10.NOV.2016 12:58:22

802.11B Mode

2462 MHz



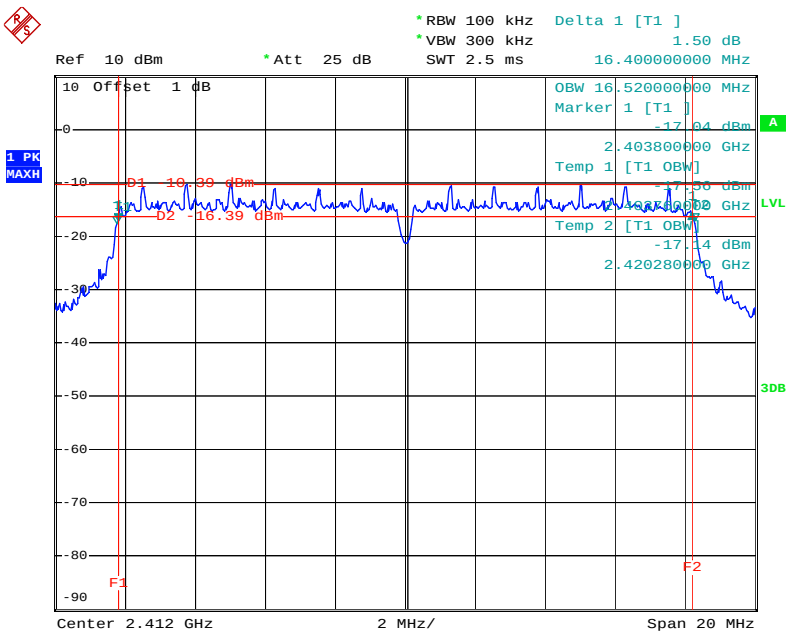
Date: 10.NOV.2016 12:58:22

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Test Mode:	TX 802.11G Mode		

Channel frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
2412	16.40	16.52	>=0.5
2437	16.40	16.52	
2462	16.40	16.56	

802.11G Mode

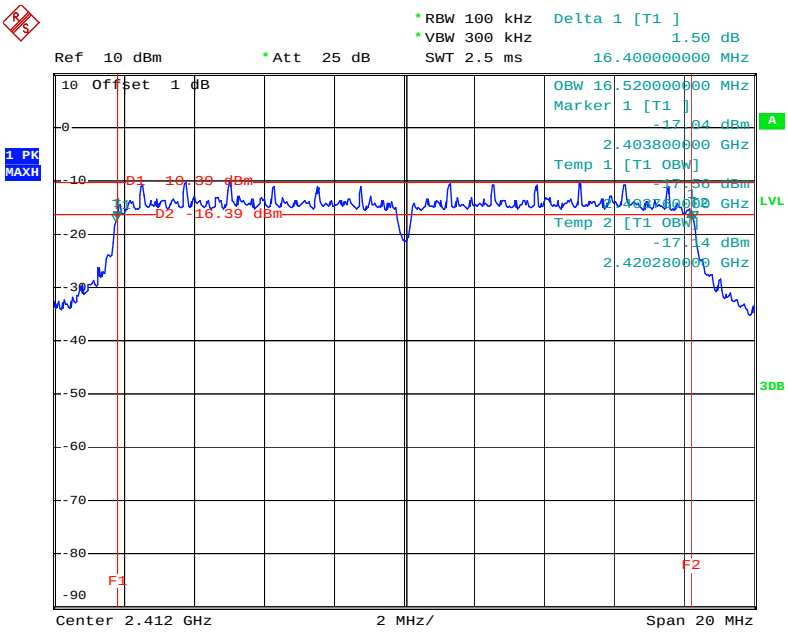
2412 MHz



Date: 10.NOV.2016 13:04:09

802.11G Mode

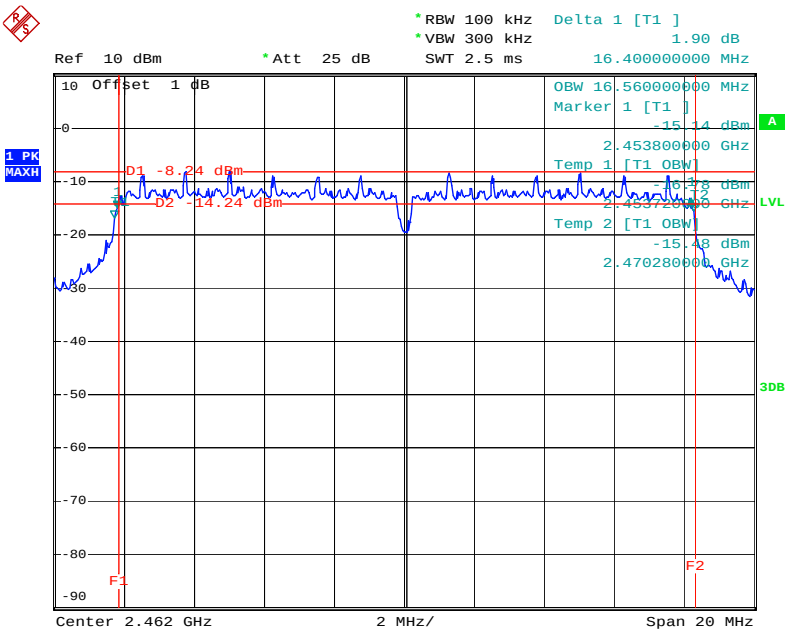
2437 MHz



Date: 10.NOV.2016 13:04:09

802.11G Mode

2462 MHz



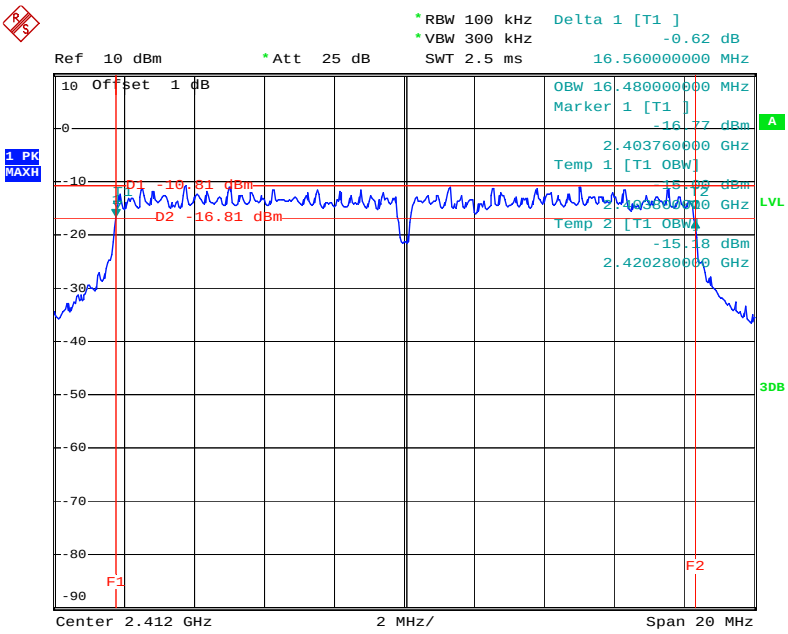
Date: 10.NOV.2016 13:07:17

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Test Mode:	TX 802.11N(HT20) Mode		

Channel frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
2412	16.56	16.48	>=0.5
2437	16.56	16.48	
2462	16.56	16.52	

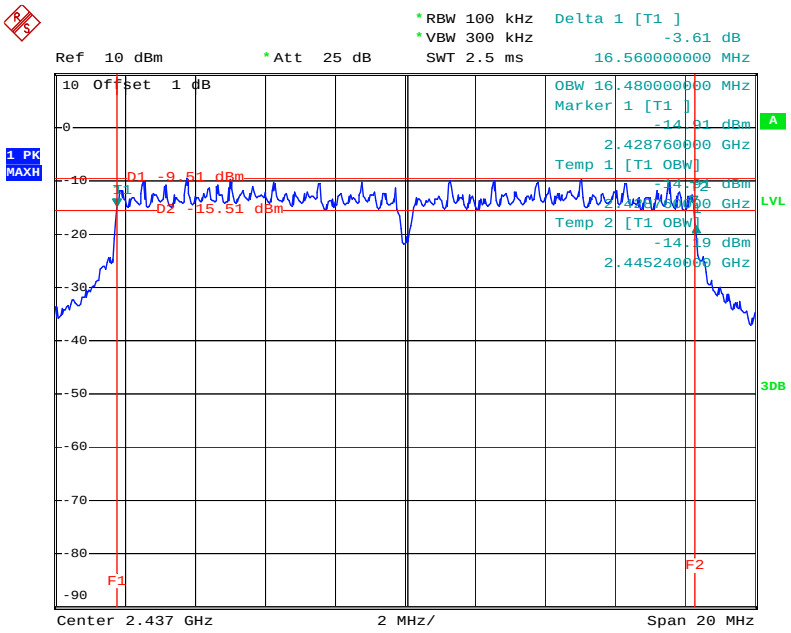
802.11N(HT20) Mode

2412 MHz



802.11N(HT20) Mode

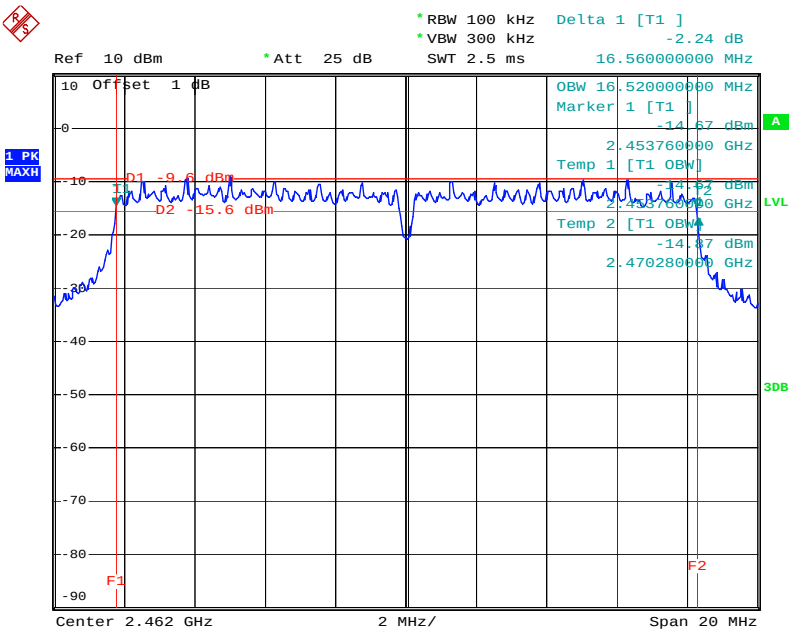
2437 MHz



Date: 10.NOV.2016 13:10:41

802.11N(HT20) Mode

2462 MHz



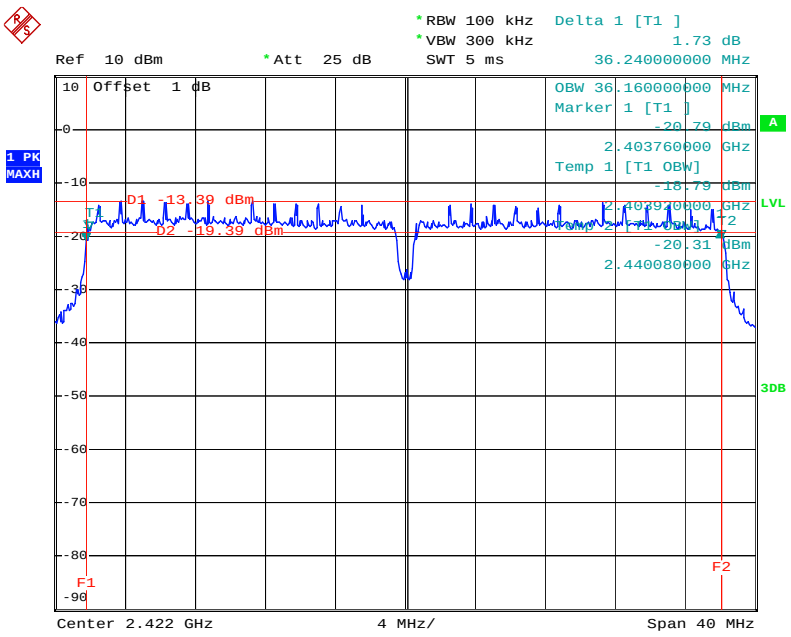
Date: 10.NOV.2016 13:13:20

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Test Mode:	TX 802.11N(HT40) Mode		

Channel frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
2422	36.24	36.16	>=0.5
2437	36.40	36.24	
2452	36.24	36.24	

802.11N(HT40) Mode

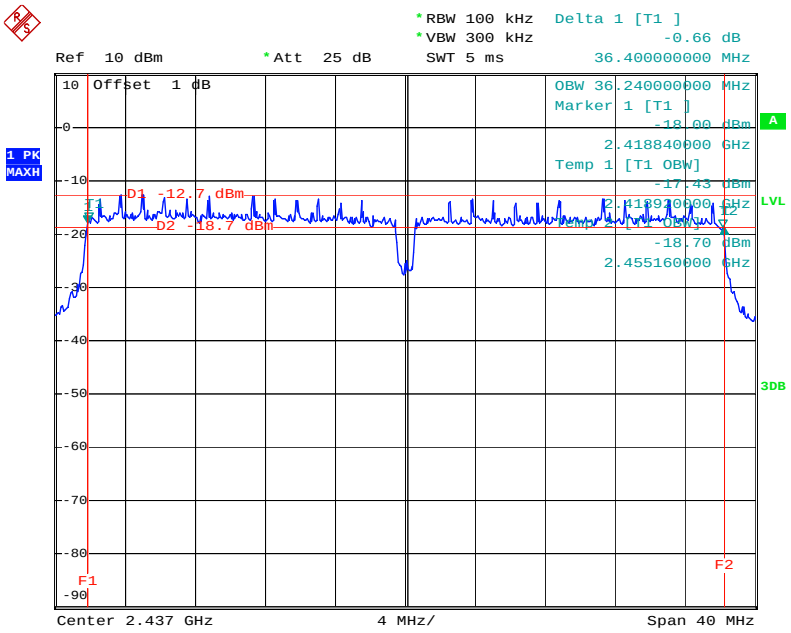
2422 MHz



Date: 10.NOV.2016 13:16:14

802.11N(HT40) Mode

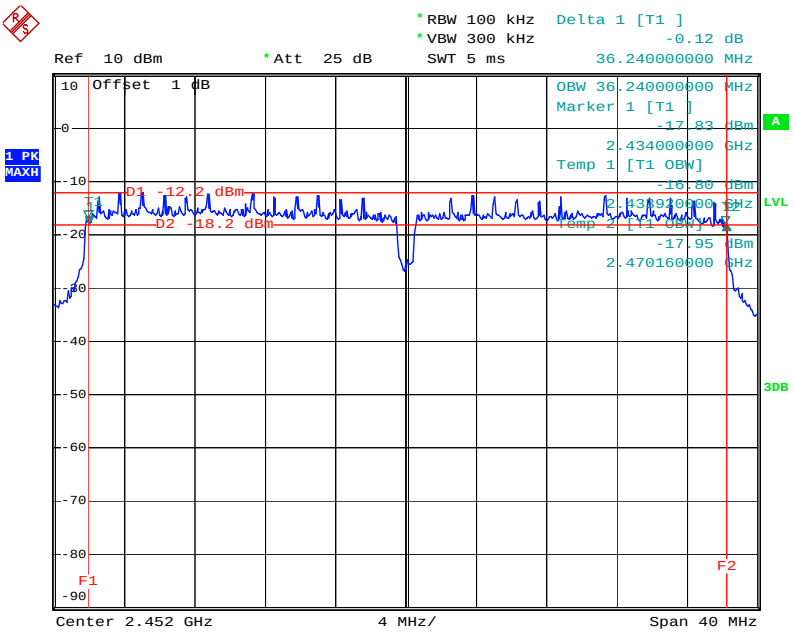
2437 MHz



Date: 10.NOV.2016 13:17:08

802.11N(HT40) Mode

2452 MHz



Date: 10.NOV.2016 13:18:52

8. Peak Output Power Test

8.1 Test Standard and Limit

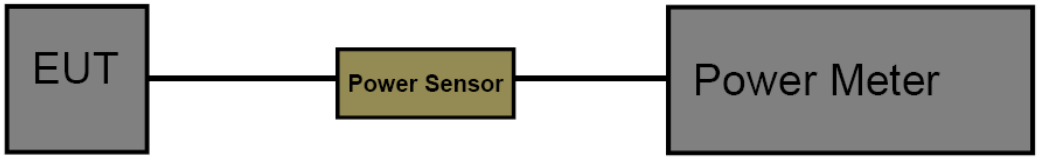
8.1.1 Test Standard

FCC Part 15.247 (b)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210		
Test Item	**Limit**	**Frequency Range(MHz)**
Peak Output Power	1 Watt or 30 dBm	2400~2483.5

8.2 Test Setup



8.3 Test Procedure

The measurement is according to section 9.1.2 of KDB 558074 D01 DTS Meas Guidance v03r05.
The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater than or equal to the DTS bandwidth of the equipment.

8.4 EUT Operating Condition

The EUT was set to continuously transmitting in the max power during the test.

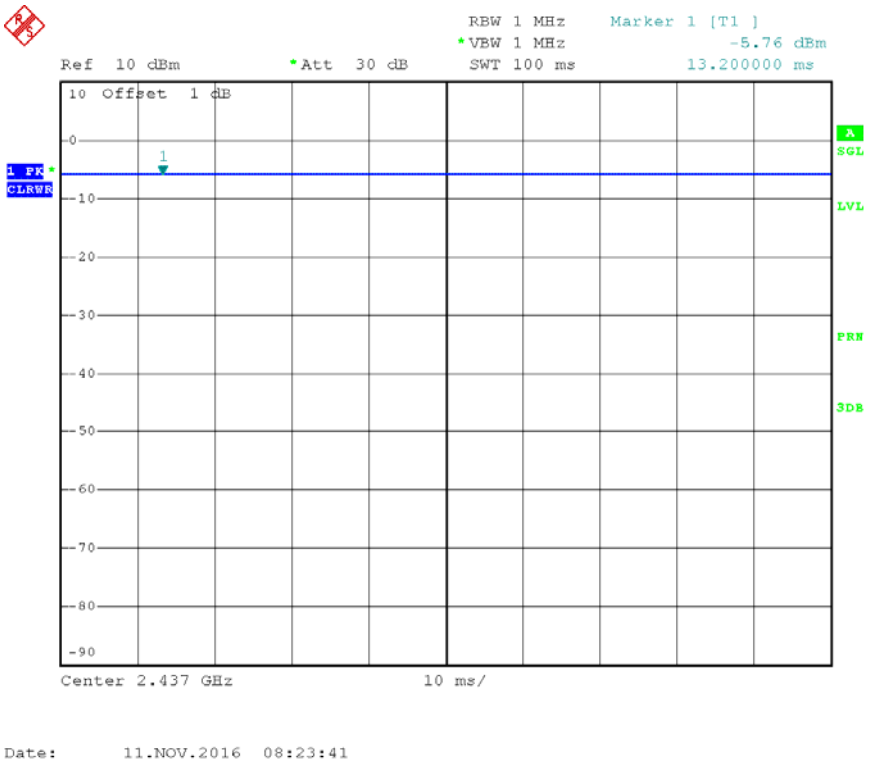
8.5 Test Data

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		

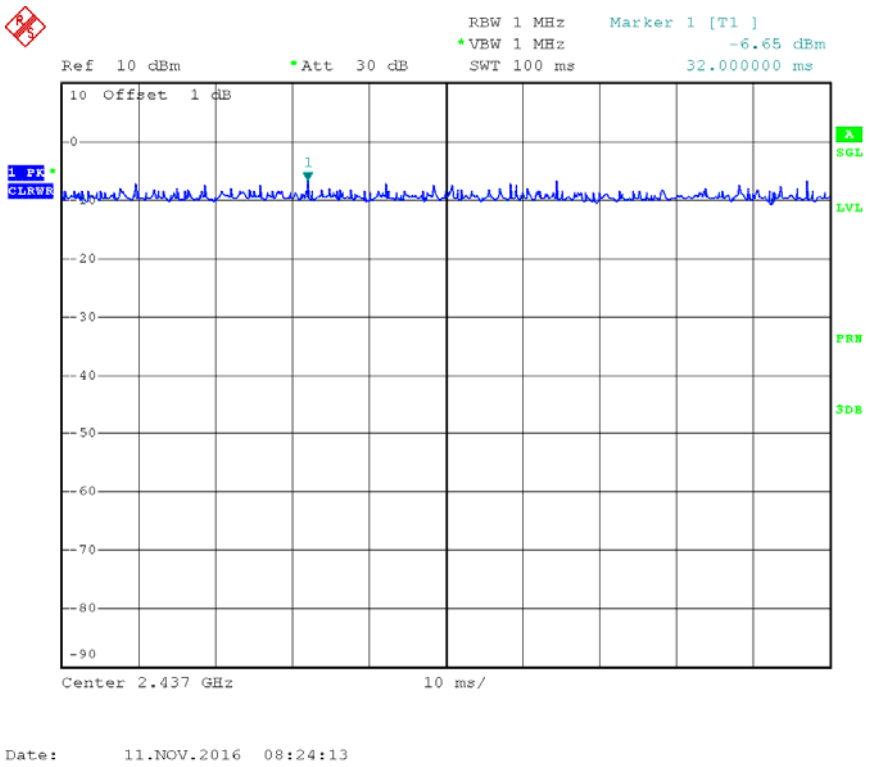
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
802.11b	2412	9.21	30
	2437	9.16	
	2462	9.20	
802.11g	2412	9.09	
	2437	9.07	
	2462	9.05	
802.11n (HT20)	2412	8.95	
	2437	8.98	
	2462	8.89	
802.11n (HT40)	2422	8.93	
	2437	8.92	
	2452	8.96	
Result: PASS			

Duty Cycle		
Mode	Channel frequency (MHz)	Test Result
802.11b	2412	>98%
	2437	
	2462	
802.11g	2412	
	2437	
	2462	
802.11n (HT20)	2412	
	2437	
	2462	
802.11n (HT40)	2422	
	2437	
	2452	
Please see below plots		

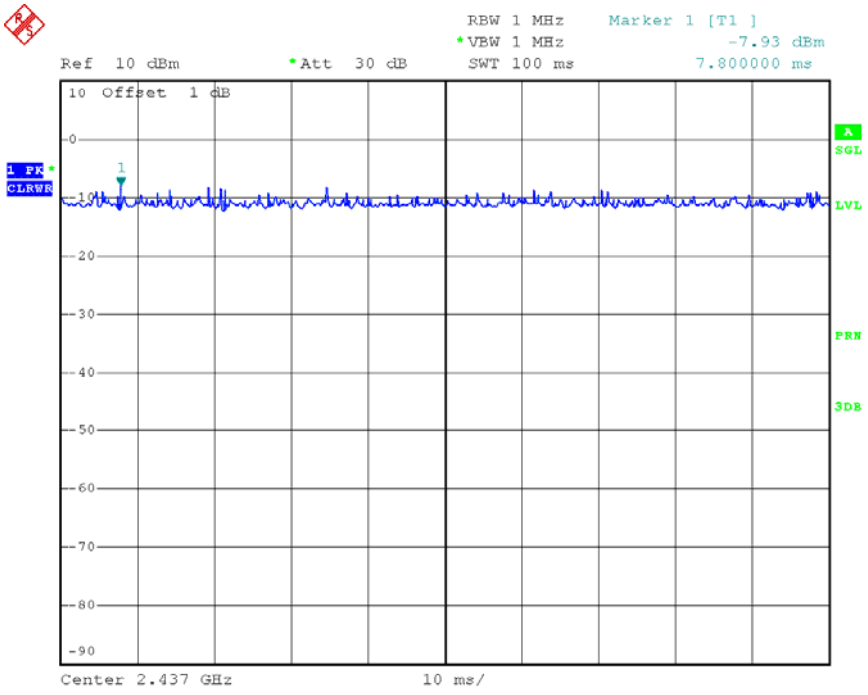
802.11 B Mode 2437 MHz



802.11 G Mode 2437 MHz

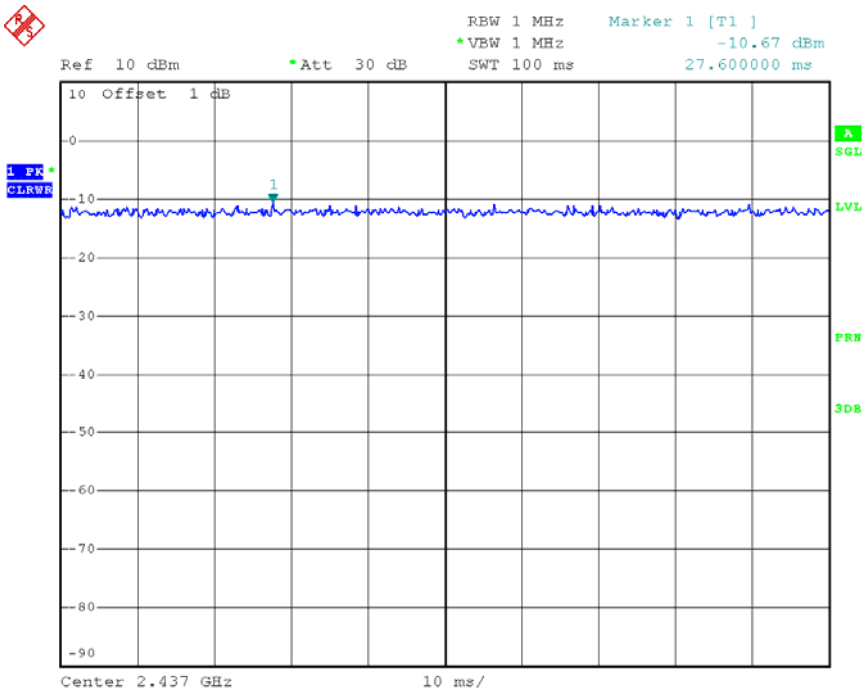


802.11 N(HT20) Mode 2437 MHz



Date: 11.NOV.2016 08:20:25

802.11 N(HT40) Mode 2437 MHz



Date: 11.NOV.2016 08:20:59

9. Power Spectral Density Test

9.1 Test Standard and Limit

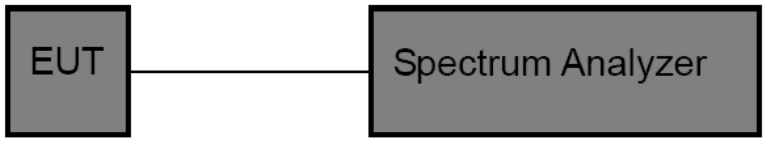
9.1.1 Test Standard

FCC Part 15.247 (e)

9.1.2 Test Limit

FCC Part 15 Subpart C(15.247)		
Test Item	**Limit**	**Frequency Range(MHz)**
Power Spectral Density	8dBm(in any 3 kHz)	2400~2483.5

9.2 Test Setup



9.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v03r05.

(1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
(2) Set analyser center frequency to DTS channel center frequency.
(3) Set the span to 1.5 times the DTS bandwidth.
(4) Set the RBW to: 3 kHz
(5) Set the VBW to: 10 kHz
(6) Detector: peak
(7) Sweep time: auto
(8) Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

9.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Digital photo framesdle and high channel for the test.

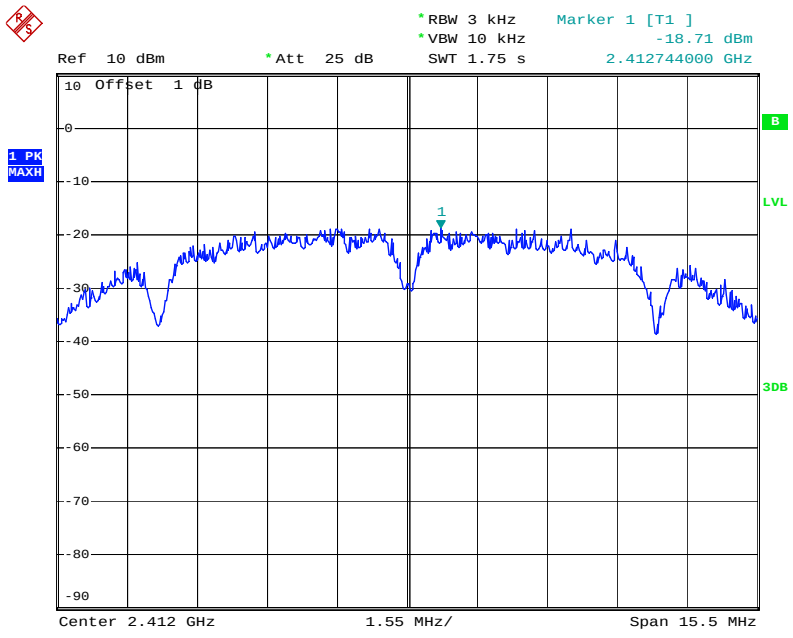
9.5 Test Data

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Test Mode:	TX 802.11B Mode		

Channel Frequency (MHz)	Power Density (3 kHz/dBm)	Limit (dBm)
2412	-18.71	8
2437	-17.90	
2462	-18.12	

802.11B Mode

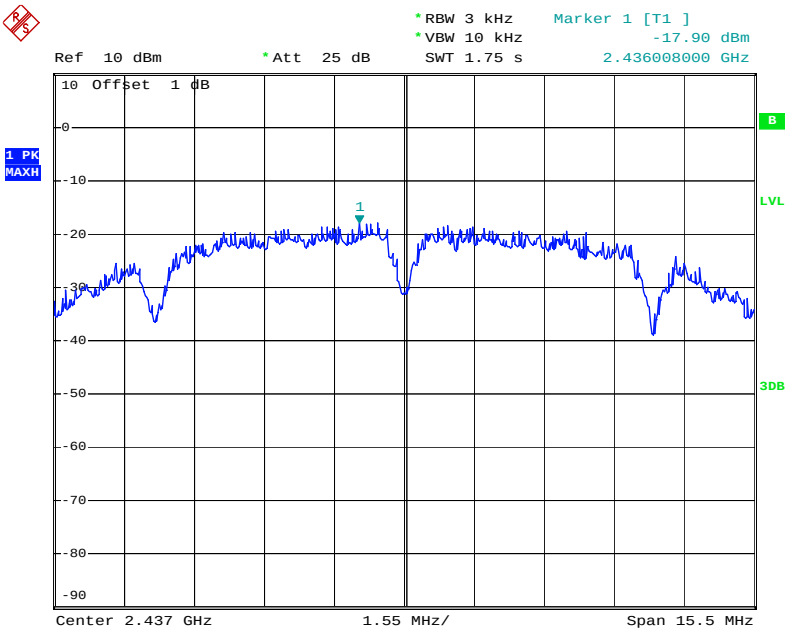
2412 MHz



Date: 10.NOV.2016 13:27:35

802.11B Mode

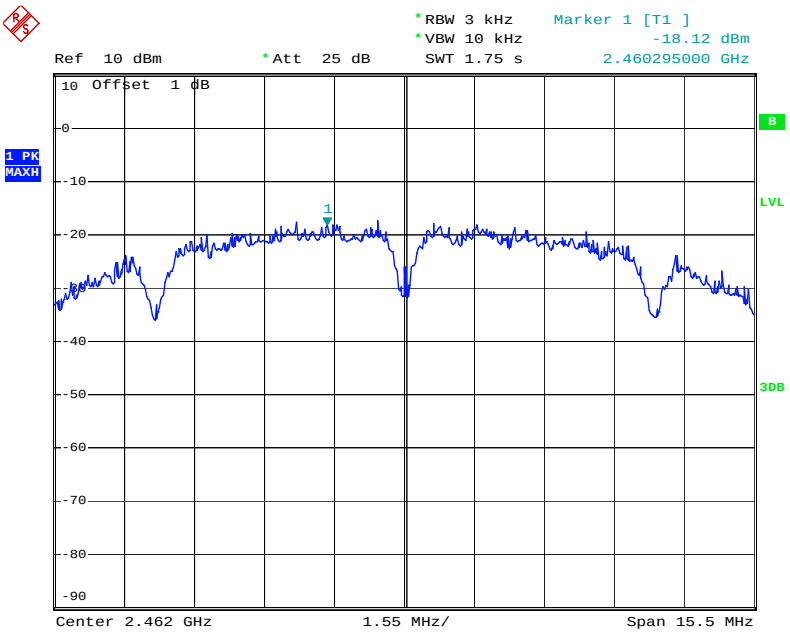
2437 MHz



Date: 10.NOV.2016 13:27:59

802.11B Mode

2462 MHz



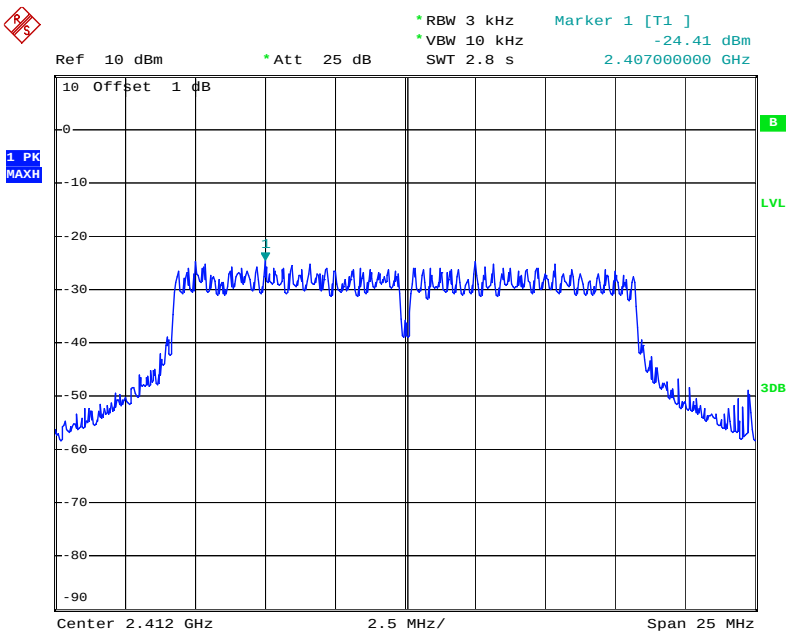
Date: 10.NOV.2016 13:28:26

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Temperature:	25 ℃
Test Voltage:	DC 3.7V		
Test Mode:	TX 802.11G Mode		

Channel Frequency (MHz)	Power Density (3 kHz/dBm)	Limit (dBm)
2412	-24.41	8
2437	-24.17	
2462	-23.02	

802.11G Mode

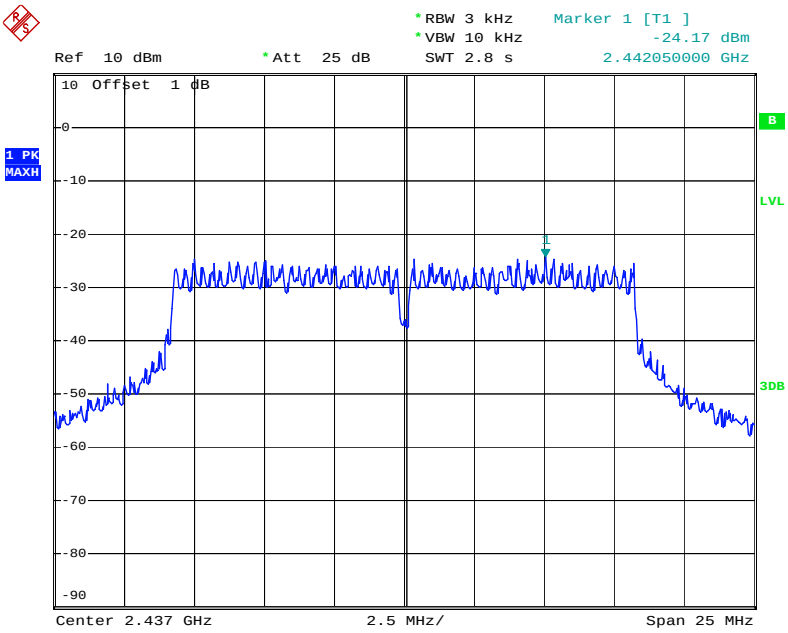
2412 MHz



Date: 10.NOV.2016 13:25:42

802.11G Mode

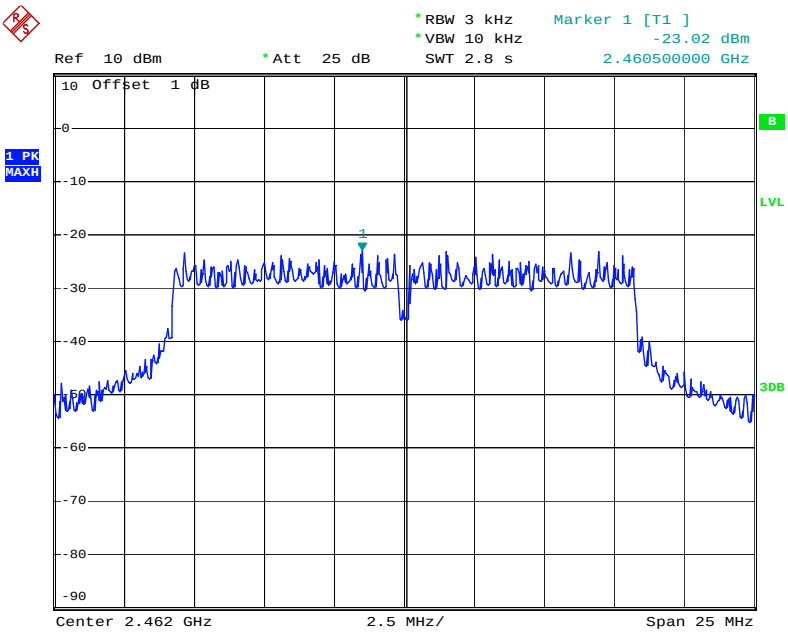
2437 MHz



Date: 10.NOV.2016 13:26:17

802.11G Mode

2462 MHz



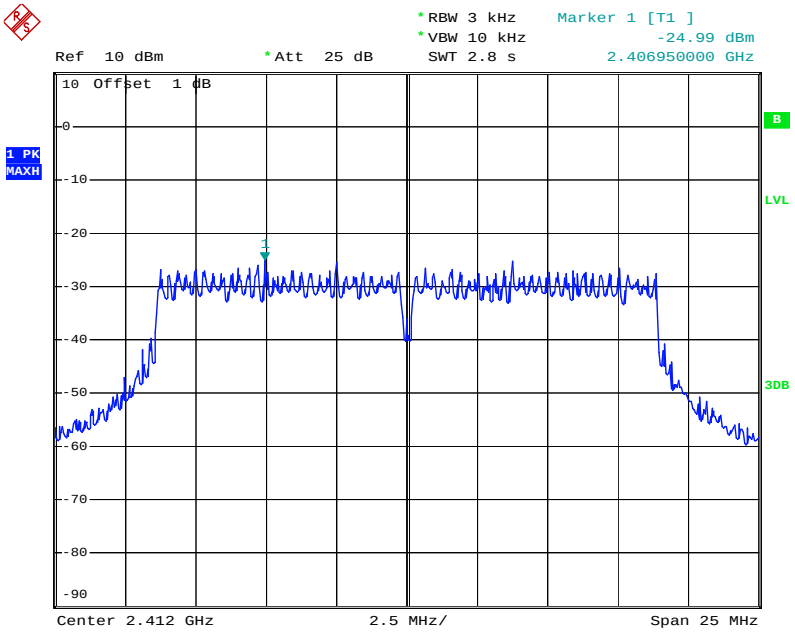
Date: 10.NOV.2016 13:26:47

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Temperature:	25 ℃
Test Voltage:	DC 3.7V		
Test Mode:	TX 802.11N(HT20) Mode		

Channel Frequency (MHz)	Power Density (3 kHz/dBm)	Limit (dBm)
2412	-24.99	8
2437	-25.08	
2462	-23.72	

802.11N(HT20) Mode

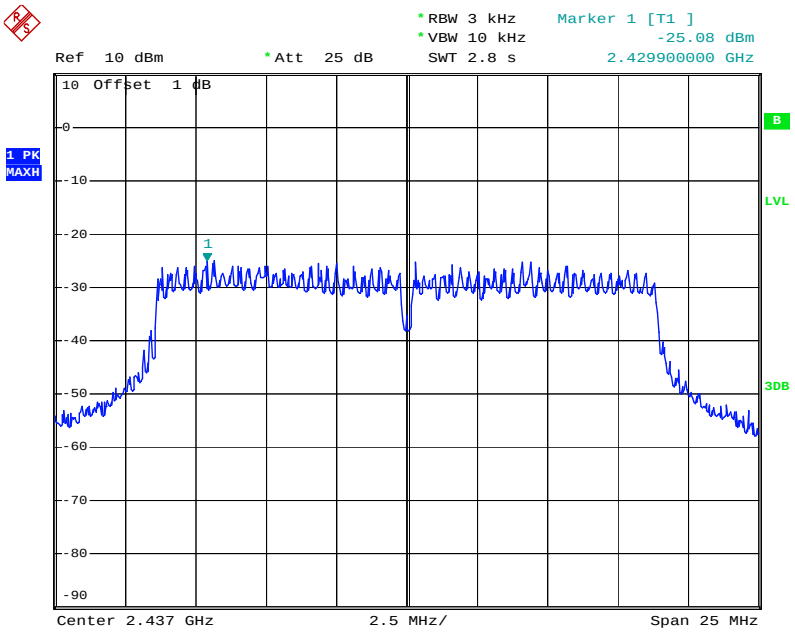
2412 MHz



Date: 10.NOV.2016 13:23:47

802.11N(HT20) Mode

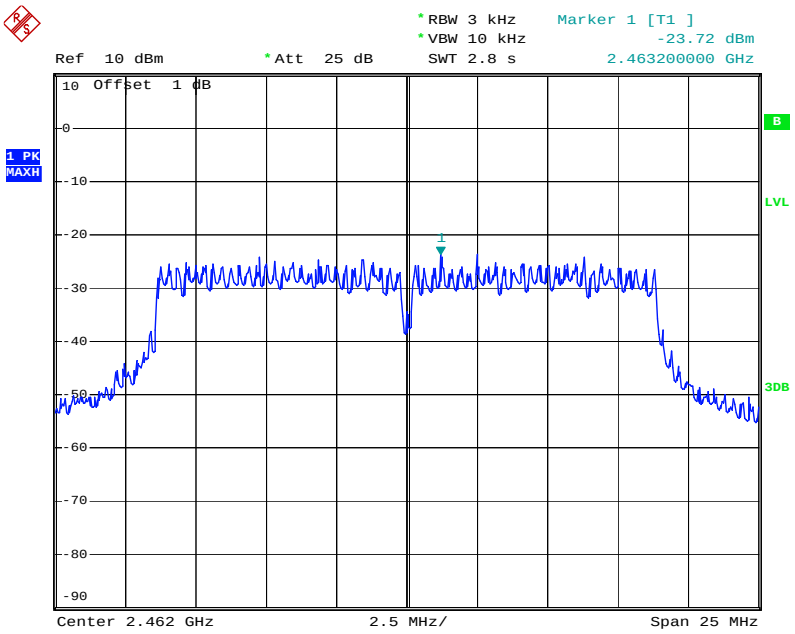
2437 MHz



Date: 10.NOV.2016 13:24:16

802.11N(HT20) Mode

2462 MHz



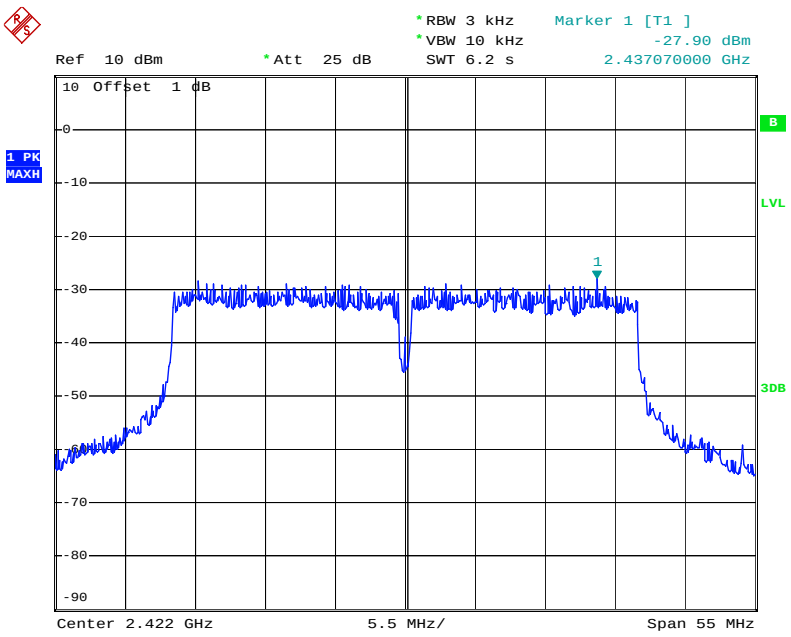
Date: 10.NOV.2016 13:24:42

EUT:	CamFi Remote Camera Controller	Model:	CF-102
Temperature:	25 ℃	Temperature:	25 ℃
Test Voltage:	DC 3.7V		
Test Mode:	TX 802.11N(HT40) Mode		

Channel Frequency (MHz)	Power Density (3 kHz/dBm)	Limit (dBm)
2422	-27.90	8
2437	-27.62	
2452	-26.26	

802.11N(HT40) Mode

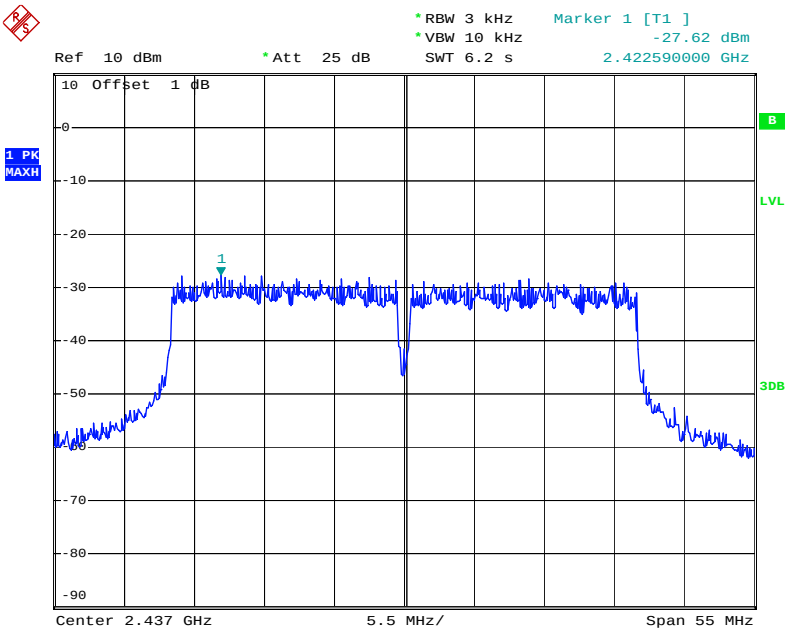
2422 MHz



Date: 10.NOV.2016 13:21:43

802.11N(HT40) Mode

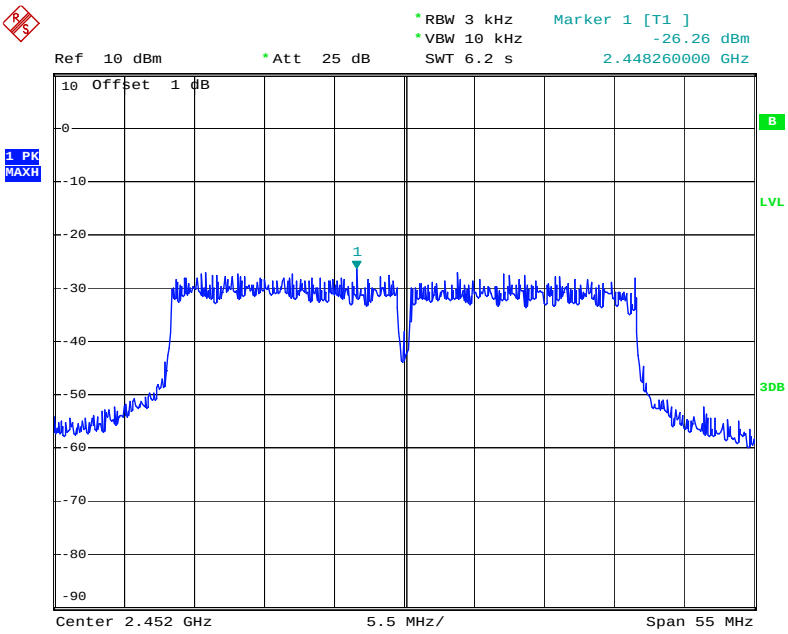
2437 MHz



Date: 10.NOV.2016 13:22:19

802.11N(HT40) Mode

2452 MHz



Date: 10.NOV.2016 13:23:00

10. Antenna Requirement

10.1 Standard Requirement

10.1.1 Standard

FCC Part 15.203

10.1.2 Requirement

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. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

10.2 Antenna Connected Construction

The directional gains of the antenna used for transmitting is 0.9 dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

Result

The EUT antenna is a PIFA Antenna. It complies with the standard requirement.

Antenna Type
☑ Permanent attached antenna
☐ Unique connector antenna
☐ Professional installation antenna