

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC144820

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FCC Radio Test Report FCC ID: 2AEP6XM-JPV1-1

Original Grant

Report No. TB-FCC144820

HangZhou XiongMai Technology CO., LTD **Applicant**

Equipment Under Test (EUT)

EUT Name Raindrop Camera

Model No. XM-JPV1-1

XM-JPV1-1F, XM-JPV1-1R Series No.

Brand Name XM

Receipt Date 2015-07-16

2015-07-16 to 2015-07-23 **Test Date**

Issue Date 2015-07-24

Standards FCC Part 15, Subpart C (15.247:2014)

Test Method ANSI C63.10: 2013

PASS Conclusions

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

Approved&

the report.

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

TB-RF-074-1.0

Tel: +86 75526509301 Fax: +86 75526509195



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1. General Information about EUT

1.1 Client Information

Applicant: HangZhou XiongMai Technology CO., LTD

Address : 9th Floor, Building 9, Yinhu Innovation Center, No.9 FuXian Road,

YinHu Street, Hangzhou, China

Manufacturer : HangZhou XiongMai Technology CO., LTD

Address : 9th Floor, Building 9, Yinhu Innovation Center, No.9 FuXian Road,

YinHu Street, Hangzhou, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	Raindrop Camera		
Models No.	4	XM-JPV1-1, XM-JPV	1-1F, XM-JPV1-1R	
Model Difference	1		identical in the same PCB, layout and electrical ence is model name for commercial.	
	The state of the s	Operation Frequency 802.11b/g/n(HT20): 2 802.11n(HT40): 2422 Number of Channel:	412MHz~2462MHz	
		RF Output Power:	802.11n(HT40): 7 channels see note(3) 802.11b: 8.65 dBm 802.11g: 8.39 dBm 802.11n (HT20): 8.64 dBm	
Product Description	(F)	Antenna Gain:	802.11n (HT40): 8.24 dBm 2 dBi PCB Antenna	
		Modulation Type:	802.11b: CCK, DQPSK, DBPSK 802.11g: 64-QAM,QPSK,BPSK 802.11n: 64-QAM,16-QAM,QPSK,BPSK	
		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 Voltage supplied	from AC/DC adapter	
Power Rating	:	AC/DC Adapter: Input: AC 100~240V, 50/60 Hz, 150mA Output: DC 5V 1000mA		
Connecting I/O Port(S)	•	Please refer to the Us	ser's Manual	



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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 v03r02.

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

(3) Channel List:

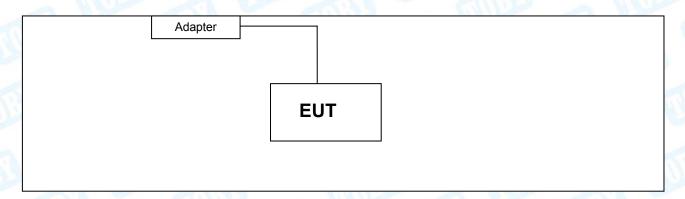
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	80	2447		

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



1.4 Description of Support Units

Eq	uipment Informatio	on			
Model	S/N Manufacturer Used "\				
			an in		
Cable Information					
Shielded Type	Ferrite Core	Length	Note		
a U		URD	MADE		
	Model	Model S/N Cable Information	Cable Information		



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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	AC Charging with TX B Mode			

For Radiated Test				
Final Test Mode Description				
Mode 3	TX Mode B Mode Channel 01/06/11			
Mode 4	TX Mode G Mode Channel 01/06/11			
Mode 5	TX Mode N(HT20) Mode Channel 01/06/11			
Mode 6	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.



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Test Software Version		N/A	The state of the
Channel	CH 01	CH 06	CH 11
IEEE 802.11b DSSS	DEF	DEF	DEF
IEEE 802.11g OFDM	DEF	DEF	DEF
IEEE 802.11n (HT20)	DEF	DEF	DEF
	CH 03	CH 06	CH 09
IEEE 802.11n (HT40)	DEF	DEF	DEF

1.7 Measurement Uncertainty

The reported uncertainty of measurement y \pm 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	±3.42 dB
Conducted Emission	150kHz to 30MHz	±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



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1.7 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.

May 22, 2014 certificated by TUV Rheinland(China) Co., Ltd. with TUV certificate No.: UA 50282953 0001 and report No.: 17026822 002. The certificate is valid until the next scheduled audit or up to 18 months, at the discretion of TUV Rhineland.



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2. Test Summary

	FCC Part	t 15 Subpart C(15.247)/ RSS 247	Issue 1		
Standa	rd Section	Tool How	Ludamant	Domoris	
FCC	IC	Test Item	Judgment	Remark	
15.203	1	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)	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.



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3. Test Equipment

AC Main C	onducted Emis	ssion			
Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	ROHDE& SCHWARZ	ESCI	100321	Aug. 08, 2014	Aug. 07, 2018
50ΩCoaxial Switch	Anritsu	MP59B	X10321	Aug. 08, 2014	Aug. 07, 2018
L.I.S.N	Rohde & Schwarz	ENV216	101131	Aug. 08, 2014	Aug. 07, 2015
L.I.S.N	SCHWARZBECK	NNBL 8226-2	8226-2/164	Aug. 08, 2014	Aug. 07, 2015
Radiation Description	Spurious Emis Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	Agilent	E4407B	MY45106456	Sep. 01, 2014	Aug. 31, 201
EMI Test Receiver	Rohde & Schwarz	ESCI	100010/007	Aug. 08, 2014	Aug.07, 2015
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Aug. 08, 2014	Aug.07, 2015
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar. 06, 2015	Mar.05, 2016
Pre-amplifier	Sonoma	310N	185903	Mar. 06, 2015	Mar.05, 2016
Pre-amplifier	HP	8447B	3008A00849	Mar. 06, 2015	Mar.05, 2016
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar. 06, 2015	Mar.05, 2016
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna C	onducted Emis	ssion			
Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Sep. 01, 2014	Aug. 31, 2018
EMI Test Receiver	Rohde & Schwarz	ESCI	100010/007	Aug. 08, 2014	Aug. 07, 201



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4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

4.1.2 Test Limit

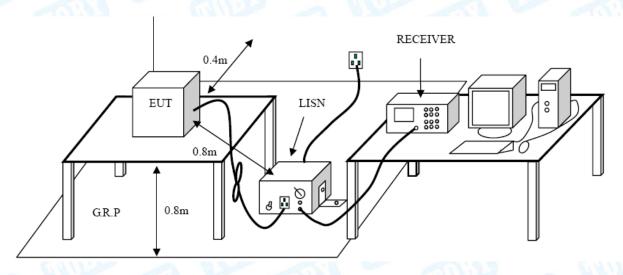
Conducted Emission Test Limit

Transpara (MI)	Maximum RF Lin	e Voltage (dBμV)
Frequency	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.



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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.



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UT:	Raindr	op Camera	Mo	del Name :	XM-JPV1	1-1		
emperature:	25 ℃	CITI'S	Rel	ative Humidity	: 55%	55%		
Test Voltage:	AC 120	0V/60Hz			CITIES IN			
Terminal:	Line		OHO:		Carried and			
Test Mode:	AC Ch	arging with T	X B Mode	MILLER		Riber		
Remark:	Only w	orse case is	reported		miss.			
90.0 dBuV								
					QP: AVG:			
40 🗡	A Your	and a second difference of the second	J. X			×		
, while	A TANDI	L. Hitt Abot at adMyburah	of Lower Machiner John	http://whollywhiles.com	Parkalander Hall			
mm 1	Jan Jak Brand R.	my put man	land lan		- Milithian.	pea		
MM		. My Mr. wash o	of the sales of th	ll sir an and have real and his his his lift of				
						AVI		
10								
0.150	0.5		(MHz)	5		30.000		
No. Mk.		_	Correct	Measure-	mit O∨er			
NO. IVIK.	Freq.	Level dBuV	Factor dB		BuV dB	Detector		
1 0).1660	29.45	9.95		5.15 -25.75	QP		
	1.1660	14.24	9.95		6.15 -25.75 6.15 -30.96			
			10.02					
	.4780	Z4 ID	11111	34 I/ 5P		QP		
4 11	4700				37 -22.20			
	.4780	15.51	10.02	25.53 46	5.37 -20.84	AVG		
5 0	.5860	15.51 30.39	10.02 10.06	25.53 46 40.45 56	6.37 -20.84 6.00 -15.55	AVG QP		
5 0).5860).5860	15.51 30.39 20.75	10.02 10.06 10.06	25.53 46 40.45 56 30.81 46	6.37 -20.84 6.00 -15.55 6.00 -15.19	AVG QP AVG		
5 0 6 * 0 7 1	.5860 .5860 .1860	15.51 30.39 20.75 25.52	10.02 10.06 10.06 10.06	25.53 46 40.45 56 30.81 46 35.58 56	6.37 -20.84 6.00 -15.55 6.00 -15.19 6.00 -20.42	AVG QP AVG QP		
5 0 6 * 0 7 1 8 1	0.5860 0.5860 0.1860 0.1860	15.51 30.39 20.75 25.52 12.61	10.02 10.06 10.06 10.06 10.06	25.53 46 40.45 56 30.81 46 35.58 56 22.67 46	6.37 -20.84 6.00 -15.55 6.00 -15.19 6.00 -20.42 6.00 -23.33	AVG QP AVG QP		
5 0 6 * 0 7 1 8 1 9 1	0.5860 0.5860 0.1860 0.1860 0.9220	15.51 30.39 20.75 25.52 12.61 23.03	10.02 10.06 10.06 10.06 10.06 10.06	25.53 46 40.45 56 30.81 46 35.58 56 22.67 46 33.09 56	6.37 -20.84 6.00 -15.55 6.00 -15.19 6.00 -20.42 6.00 -23.33 6.00 -22.91	AVG QP AVG QP AVG		
5 0 6 * 0 7 1 8 1 9 1 10 1	.5860 .5860 .1860 .1860 .9220	15.51 30.39 20.75 25.52 12.61 23.03 9.96	10.02 10.06 10.06 10.06 10.06 10.06	25.53 46 40.45 56 30.81 46 35.58 56 22.67 46 33.09 56 20.02 46	6.37 -20.84 6.00 -15.55 6.00 -15.19 6.00 -20.42 6.00 -23.33 6.00 -22.91 6.00 -25.98	AVG QP AVG QP AVG		
5 0 6 * 0 7 1 8 1 9 1 10 1 11 27	0.5860 0.5860 0.1860 0.1860 0.9220	15.51 30.39 20.75 25.52 12.61 23.03 9.96 27.88	10.02 10.06 10.06 10.06 10.06 10.06	25.53 46 40.45 56 30.81 46 35.58 56 22.67 46 33.09 56 20.02 46 38.09 60	6.37 -20.84 6.00 -15.55 6.00 -15.19 6.00 -20.42 6.00 -23.33 6.00 -22.91	AVG QP AVG QP AVG		



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EUT:	Raindrop Came	ra M e	odel Name :		XM-JPV1	-1	
Temperature:	25 ℃	Re	elative Humic	dity:	55%		
Test Voltage:	AC 120V/60Hz						
Terminal:	Neutral	A PHILLS		1 6	100	FINE I	
Test Mode:	AC Charging wit	th TX B Mod	e (1)(())))		0 N	N. Line	
Remark:	Only worse case	e is reported			35		
90.0 dBuV							
					QP: AVG:		
40 1	, , , , , , , , , , , , , , , , , , ,	X X X	X				
A Mary Mary	A WAR WAR	- Albano Albano allo sedello canalita	POLICETULARISTA	has the rate of the zero by the same	mullmaters		
	A Market	when how have	was proportioned and an interest was	had bendancia of had had a	MANAGER CONTRACTOR		
W.					A STANDARD OF THE STANDARD OF	pea	
						WANTED AVI	
-10						20.000	
-10 0.150	0.5	(MHz)	5			30.000	
0.150	Reading	Correct	Measure-	Limit	Over	30.000	
0.150 No. Mk. Fr	Reading eq. Level	Correct Factor	Measure- ment	Limit	Over		
0.150 No. Mk. Fro	Reading eq. Level	Correct Factor	Measure- ment	dBuV	dB	Detector	
0.150 No. Mk. From MH	Reading eq. Level Hz dBuV 399 32.79	Correct Factor dB 10.02	Measurement dBuV 42.81	dBu∨ 56.00	dB -13.19	Detector QP	
0.150 No. Mk. From Miles 1 0.58 2 * 0.58	Reading Level Hz dBuV 399 32.79 399 26.51	Correct Factor dB 10.02	Measurement dBuV 42.81 36.53	dBu√ 56.00 46.00	dB -13.19 -9.47	Detector QP AVG	
0.150 No. Mk. From Min 1 0.58 2 * 0.58 3 0.88	Reading Level Hz dBuV 399 32.79 399 26.51 320 24.99	Correct Factor dB 10.02 10.02	Measurement dBuV 42.81 36.53 35.09	dBu√ 56.00 46.00 56.00	dB -13.19 -9.47 -20.91	Detector QP AVG	
0.150 No. Mk. From Miles 1 0.58 2 * 0.58 3 0.88 4 0.88	Reading Level Hz dBuV 399 32.79 399 26.51 320 24.99 320 17.41	Correct Factor dB 10.02 10.02 10.10 10.10	Measurement dBuV 42.81 36.53 35.09 27.51	dBuV 56.00 46.00 56.00 46.00	dB -13.19 -9.47 -20.91 -18.49	Detector QP AVG QP	
0.150 No. Mk. From Miles 1 0.58 2 * 0.58 3 0.88 4 0.88 5 1.16	Reading Level Hz dBuV 399 32.79 399 26.51 320 24.99 320 17.41 320 25.10	Correct Factor dB 10.02 10.02 10.10 10.10 10.14	Measurement dBuV 42.81 36.53 35.09 27.51 35.24	dBuV 56.00 46.00 56.00 46.00 56.00	dB -13.19 -9.47 -20.91 -18.49 -20.76	Detector QP AVG QP AVG	
0.150 No. Mk. From Miles 1 0.58 2 * 0.58 3 0.88 4 0.88 5 1.16 6 1.16	Reading Level Hz dBuV 899 32.79 899 26.51 820 24.99 820 17.41 820 25.10 820 17.72	Correct Factor dB 10.02 10.02 10.10 10.10 10.14 10.14	Measurement dBuV 42.81 36.53 35.09 27.51 35.24 27.86	dBuV 56.00 46.00 56.00 46.00 46.00	dB -13.19 -9.47 -20.91 -18.49 -20.76 -18.14	Detector QP AVG QP AVG	
0.150 No. Mk. From Minute 1	Reading Level Hz dBuV 399 32.79 399 26.51 320 24.99 320 17.41 320 25.10 320 17.72 380 23.77	Correct Factor dB 10.02 10.02 10.10 10.10 10.14 10.14 10.12	Measurement dBuV 42.81 36.53 35.09 27.51 35.24 27.86 33.89	dBuV 56.00 46.00 56.00 46.00 46.00 56.00	dB -13.19 -9.47 -20.91 -18.49 -20.76 -18.14 -22.11	Detector QP AVG QP AVG QP AVG	
0.150 No. Mk. From Miles 1 0.58 2 * 0.58 3 0.88 4 0.88 5 1.16 6 1.16 7 1.39 8 1.39	Reading Level Hz dBuV 899 32.79 899 26.51 820 24.99 820 17.41 820 25.10 820 17.72 880 23.77 980 15.19	Correct Factor dB 10.02 10.02 10.10 10.10 10.14 10.14 10.12 10.12	Measurement dBuV 42.81 36.53 35.09 27.51 35.24 27.86 33.89 25.31	dBuV 56.00 46.00 56.00 46.00 56.00 56.00 46.00	dB -13.19 -9.47 -20.91 -18.49 -20.76 -18.14 -22.11 -20.69	Detector QP AVG QP AVG QP AVG	
0.150 No. Mk. From Miles 1 0.58 2 * 0.58 3 0.88 4 0.88 5 1.16 6 1.16 7 1.39 8 1.39 9 1.97	Reading Level Hz dBuV 899 32.79 899 26.51 820 24.99 820 17.41 820 25.10 820 17.72 880 23.77 980 15.19 700 23.92	Correct Factor dB 10.02 10.02 10.10 10.14 10.14 10.12 10.12 10.06	Measurement dBuV 42.81 36.53 35.09 27.51 35.24 27.86 33.89 25.31 33.98	dBuV 56.00 46.00 56.00 46.00 46.00 56.00 46.00	dB -13.19 -9.47 -20.91 -18.49 -20.76 -18.14 -22.11 -20.69 -22.02	Detector QP AVG QP AVG QP AVG QP AVG	
No. Mk. From Miles 1 0.58 2 * 0.58 3 0.88 4 0.88 5 1.16 7 1.39 8 1.39 9 1.97 10 1.97	Reading Level Hz dBuV 399 32.79 399 26.51 320 24.99 320 17.41 320 25.10 320 17.72 380 23.77 380 15.19 700 23.92	Correct Factor dB 10.02 10.02 10.10 10.14 10.14 10.12 10.12 10.06 10.06	Measurement dBuV 42.81 36.53 35.09 27.51 35.24 27.86 33.89 25.31 33.98 26.29	dBuV 56.00 46.00 56.00 46.00 46.00 46.00 56.00 46.00	dB -13.19 -9.47 -20.91 -18.49 -20.76 -18.14 -22.11 -20.69 -22.02 -19.71	Detector QP AVG QP AVG QP AVG QP AVG	
0.150 No. Mk. From Miles 1 0.58 2 * 0.58 3 0.88 4 0.88 5 1.16 6 1.16 7 1.39 8 1.39 9 1.97	Reading Level Hz dBuV 399 32.79 399 26.51 320 24.99 320 17.41 320 25.10 320 17.72 380 23.77 380 15.19 700 23.92	Correct Factor dB 10.02 10.02 10.10 10.14 10.14 10.12 10.12 10.06	Measurement dBuV 42.81 36.53 35.09 27.51 35.24 27.86 33.89 25.31 33.98	dBuV 56.00 46.00 56.00 46.00 46.00 46.00 56.00 46.00	dB -13.19 -9.47 -20.91 -18.49 -20.76 -18.14 -22.11 -20.69 -22.02	Detector QP AVG QP AVG QP AVG QP AVG	



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EUT:	Raindrop Came	era M o	odel Name :		XM-JPV1	-1
Temperature:	25 ℃	Re	lative Humidi	ty:	55%	Alle
Test Voltage:	AC 240V/60Hz		10	Cal	TI'S	
Terminal:	Line	A PHOTO		6	100	
Test Mode:	AC Charging w	rith TX B Mode	e milione		0 N	N. C.
Remark:	Only worse cas	se is reported		M	33	T
90.0 dBuV						
					QP: AVG:	
	*					
40 Ammylina	Market Commission of the Commi		Mary Mary Mary Mary Mary Mary Mary Mary	Ah.		
	A 10	idhir ad in		- LANGE	www.wheelilli	
-Wywwwww	Walter Company of the second	#****\	monnor	MALLIN		peak
	N/A	Ch. A. A.	7 , 4 , 7	, A section (MI		AVG
					- with Thurs.	
-10		641.5	5			20.000
0.150	0.5	(MHz)	5			30.000
Na Mic I	Reading		Measure-	_imit	O∨er	
-	Freq. Level MHz dBuV	Factor dB		dBuV	dB	Detector
	2940 26.80	10.02		30.41	-23.59	QP
	2940 16.37	10.02		50.41	-24.02	AVG
	6020 30.71	10.07		6.00	-15.22	QP
	6020 20.44	10.07			-15.49	AVG
	7580 28.26	10.11			-17.63	QP
6 0.	7580 17.81	10.11		16.00	-18.08	AVG
7 1.3	3619 27.62	10.06	37.68 5	6.00	-18.32	QP
8 1.3	3619 16.81	10.06	26.87	16.00	-19.13	AVG
9 1.8	8820 27.85	10.06	37.91 5	6.00	-18.09	QP
10 1.6	8820 16.57	10.06	26.63	16.00	-19.37	AVG
11 2.4	4180 26.93	10.05	36.98 5	6.00	-19.02	QP
12 2.	4180 16.23	10.05	26.28	16.00	-19.72	AVG
*:Maximum data x:O	ver limit !:over margin					



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	Rainui	op Camera	Mo	odel Name :		XM-JPV1	-1
Temperature:	25 ℃	STILL S	Re	lative Humi	dity:	55%	ABOVE
Гest Voltage:	AC 24	0V/60Hz	100		Cal	MIN OF	
Terminal:	Neutra	ıl	MAGE		16		
Test Mode:	AC Ch	arging with	TX B Mode	e milion	9	a V	III II
Remark:	Only w	vorse case i	s reported	6		133	
90.0 dBuV							
						QP: AVG:	
40 4 4 00000 - 6.00	Y74	Mary mark	h. Å	A M A A A A A			
W WWWWWW	Markey	Mary and Confession of the Con	Mary Mary W	A A A A A A A	A Samohama	where .	
M	The Market Man		\mathcal{M}	i VVVVVV	Jana Marie	MANUAL MA	
			ν "			Walk of the state	ре
						difffth	AV
-10							
0.150	0.5		(MHz)	5			30.000
		Reading	Correct	Measure-			
No. Mk.	Freq.	Level	Factor	ment	Limit	Over	
			Factor dB	ment dBuV	Limit dBu√	O∨er dB	Detector
	Freq.	Level			dBu∀		Detector
1 0.	Freq. MHz	Level dBuV	dB	dBuV	dBu∀	dB	
1 0. 2 * 0.	Freq. MHz 5940	dBuV 33.53	dB 10.02	dBu∨ 43.55	dBu∨ 56.00	dB -12.45 -7.88	QP
1 0. 2 * 0. 3 0.	Freq. MHz 5940 5940	dBuV 33.53 28.10	dB 10.02 10.02	dBuV 43.55 38.12	dBu√ 56.00 46.00 56.00	dB -12.45 -7.88	QP AVG
1 0. 2 * 0. 3 0. 4 0.	Freq. MHz 5940 5940 7260	dBuV 33.53 28.10 29.86	10.02 10.02 10.03	dBuV 43.55 38.12 39.89	dBuV 56.00 46.00 56.00 46.00	dB -12.45 -7.88 -16.11	QP AVG QP
1 0. 2 * 0. 3 0. 4 0. 5 1.	Freq. MHz 5940 5940 7260	dBuV 33.53 28.10 29.86 24.05	10.02 10.02 10.03 10.03	dBuV 43.55 38.12 39.89 34.08	dBuV 56.00 46.00 56.00 46.00	dB -12.45 -7.88 -16.11 -11.92	QP AVG QP AVG
1 0. 2 * 0. 3 0. 4 0. 5 1. 6 1.	Freq. MHz 5940 5940 7260 7260 3300	dBuV 33.53 28.10 29.86 24.05 29.84	dB 10.02 10.02 10.03 10.03 10.13	dBuV 43.55 38.12 39.89 34.08 39.97	dBuV 56.00 46.00 56.00 46.00 46.00	dB -12.45 -7.88 -16.11 -11.92 -16.03	QP AVG QP AVG
1 0. 2 * 0. 3 0. 4 0. 5 1. 6 1. 7 1.	Freq. MHz 5940 5940 7260 7260 3300 3300	dBuV 33.53 28.10 29.86 24.05 29.84 24.22	dB 10.02 10.02 10.03 10.03 10.13	dBuV 43.55 38.12 39.89 34.08 39.97 34.35	dBuV 56.00 46.00 56.00 46.00 46.00 56.00	dB -12.45 -7.88 -16.11 -11.92 -16.03 -11.65	QP AVG QP AVG
1 0. 2 * 0. 3 0. 4 0. 5 1. 6 1. 7 1. 8 1.	Freq. MHz 5940 5940 7260 7260 3300 3300 8420	Devel dBuV 33.53 28.10 29.86 24.05 29.84 24.22 29.02	10.02 10.02 10.03 10.03 10.13 10.13 10.08	dBuV 43.55 38.12 39.89 34.08 39.97 34.35 39.10	dBuV 56.00 46.00 56.00 46.00 46.00 46.00	dB -12.45 -7.88 -16.11 -11.92 -16.03 -11.65 -16.90	QP AVG QP AVG QP AVG
1 0. 2 * 0. 3 0. 4 0. 5 1. 6 1. 7 1. 8 1. 9 2.	Freq. MHz 5940 5940 7260 7260 3300 3300 8420	Devel dBuV 33.53 28.10 29.86 24.05 29.84 24.22 29.02 23.01	10.02 10.02 10.03 10.03 10.13 10.13 10.08	dBuV 43.55 38.12 39.89 34.08 39.97 34.35 39.10 33.09	dBuV 56.00 46.00 56.00 46.00 46.00 56.00 56.00	dB -12.45 -7.88 -16.11 -11.92 -16.03 -11.65 -16.90 -12.91	QP AVG QP AVG QP AVG
1 0. 2 * 0. 3 0. 4 0. 5 1. 6 1. 7 1. 8 1. 9 2. 10 2.	Freq. MHz 5940 5940 7260 7260 3300 3300 8420 8420 9020	Devel dBuV 33.53 28.10 29.86 24.05 29.84 24.22 29.02 23.01 28.66	10.02 10.02 10.03 10.03 10.13 10.13 10.08 10.08	dBuV 43.55 38.12 39.89 34.08 39.97 34.35 39.10 33.09 38.72	dBuV 56.00 46.00 56.00 46.00 56.00 46.00 56.00 46.00	dB -12.45 -7.88 -16.11 -11.92 -16.03 -11.65 -16.90 -12.91 -17.28	QP AVG QP AVG QP AVG QP AVG



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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 (9kHz~1000MHz)

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

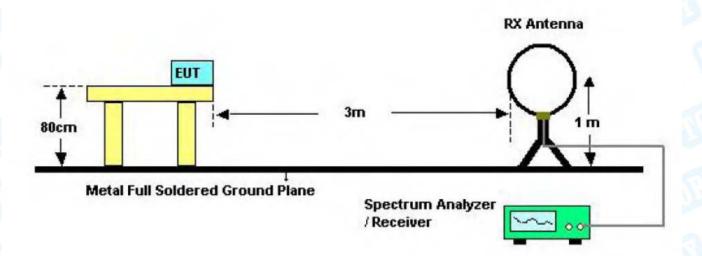
Note:

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

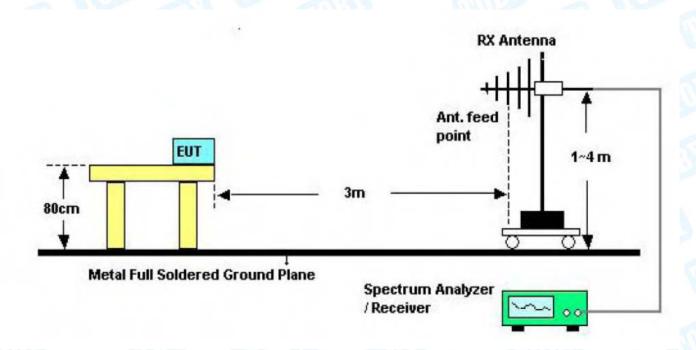


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5.2 Test Setup



Below 30MHz Test Setup

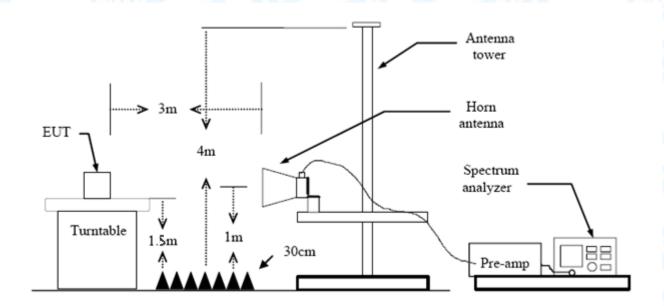


Below 1000MHz Test Setup

TOBY

Report No.: TB-FCC144820

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Above 1GHz Test Setup

5.3 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.



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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.



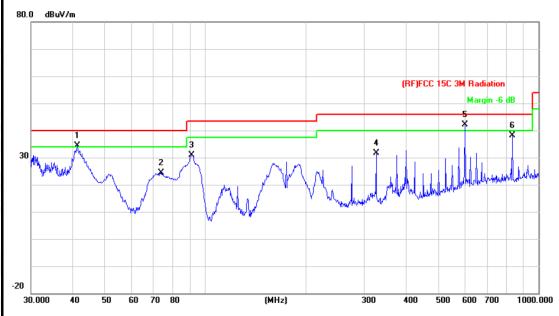
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EUT:	Raindr	op Camera	M	odel:		XM-JPV1-1	
Temperature:	25 ℃	CILLE	R	Relative Humidity: 55%			
Гest Voltage:	AC 12	0V/60Hz		118	(A)	MILLER	
Ant. Pol.	Horizo	ntal	ART		1 6	A	180
Test Mode:	TXB	Mode 2412	ИНz	MILES	2		A lister
Remark:	Only w	vorse case	is reported		and the	339	
80.0 dBuV/m							
20 30.000 40 50	60 70 8	30	(MHz)	2 3 X X X X X X X X X X X X X X X X X X	(RF)FCC	500 600 700	
30.000 40 50					400	500 600 700	1000.00
No. Mk. F	req.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
M	1Hz	dBu∀	dB/m	dBuV/m	dBuV/r	n dB	Detecto
1 * 175.	0368	56.86	-20.88	35.98	43.50	7.52	peak
2 225.	3080	53.44	-19.30	34.14	46.00	-11.86	peak
3 275.	1570	51.52	-17.57	33.95	46.00	-12.05	peak
4 325.	5958	53.12	-16.11	37.01	46.00	-8.99	peak
	9385	47.10	-14.40	32.70	46.00		peak
5 375.			-9.41	35.08	46.00		peak



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EUT:	Raindrop Camera	Model:	XM-JPV1-1					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Vertical							
Test Mode:	TX B Mode 2412MHz							
Remark:	Only worse case is report	rted						
80.0 dBuV/m								



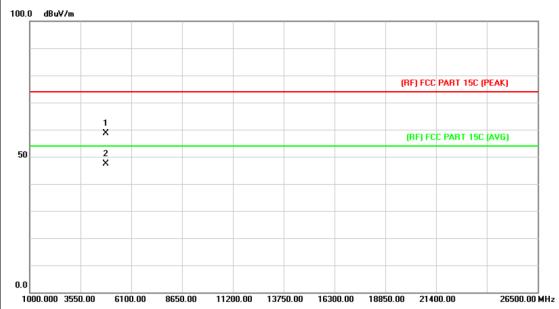
1	Vo. Mł	κ. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	į.	41.2765	55.09	-20.70	34.39	40.00	-5.61	peak
2		73.8756	47.96	-23.49	24.47	40.00	-15.53	peak
3		91.1746	53.46	-22.59	30.87	43.50	-12.63	peak
4		325.5958	47.77	-16.11	31.66	46.00	-14.34	peak
5	*	601.4265	51.61	-9.41	42.20	46.00	-3.80	peak
6		833.3171	44.48	-6.42	38.06	46.00	-7.94	peak

^{*:}Maximum data x:Over limit !:over margin



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EUT:	Raindrop Camera	Model:	XM-JPV1-1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	131	THE STATE OF
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2412MHz		THE REAL PROPERTY OF THE PERTY
Remark:	No report for the emission	n which more than 10	dB below the
	prescribed limit.	2 13	

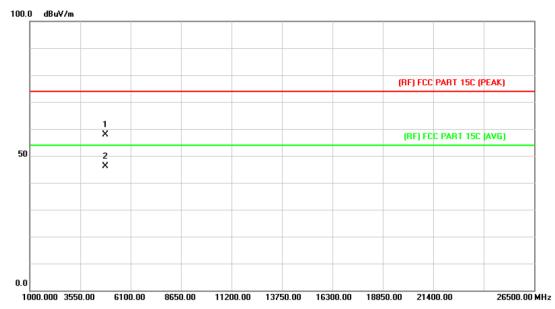


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.966	45.09	13.56	58.65	74.00	-15.35	peak
2	*	4823.983	33.87	13.56	47.43	54.00	-6.57	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz	THE PERSON NAMED IN	
Remark:	No report for the emission	on which more than 10	dB below the
	prescribed limit.	2 m 13	

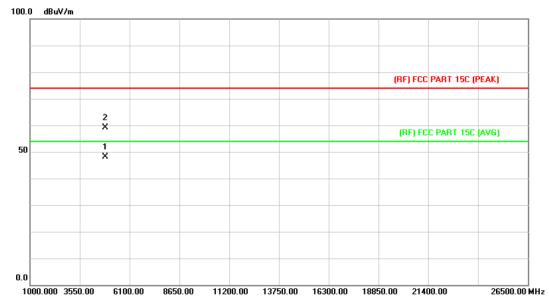


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.993	44.39	13.56	57.95	74.00	-16.05	peak
2	*	4824.104	32.69	13.56	46.25	54.00	-7.75	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	01 - 6						
Ant. Pol.	Horizontal							
Test Mode:	TX B Mode 2437MHz							
Remark:	No report for the emissio	No report for the emission which more than 10 dB below the						
	prescribed limit.	prescribed limit.						

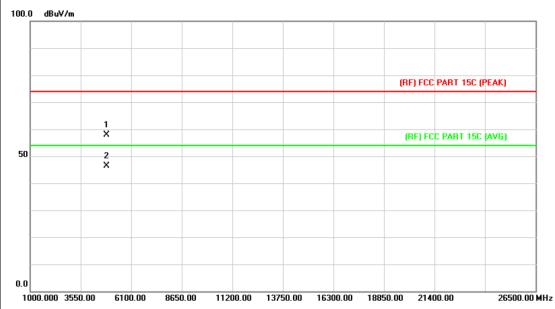


N	lo. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.968	34.26	13.86	48.12	54.00	-5.88	AVG
2		4874.367	45.21	13.86	59.07	74.00	-14.93	peak



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Raindrop Camera	Model:	XM-JPV1-1			
25 ℃	Relative Humidity:	55%			
AC 120V/60Hz	01 - 6				
Vertical					
TX B Mode 2437MHz					
No report for the emission which more than 10 dB below the					
prescribed limit.	~ W				
	25 °C AC 120V/60Hz Vertical TX B Mode 2437MHz No report for the emissio	25 °C Relative Humidity: AC 120V/60Hz Vertical TX B Mode 2437MHz No report for the emission which more than 10 cm.			



No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.687	44.01	13.86	57.87	74.00	-16.13	peak
2	*	4873.992	32.52	13.86	46.38	54.00	-7.62	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal	U					
Test Mode:	TX B Mode 2462MHz						
Remark:	No report for the emission prescribed limit.	No report for the emission which more than 10 dB below the					

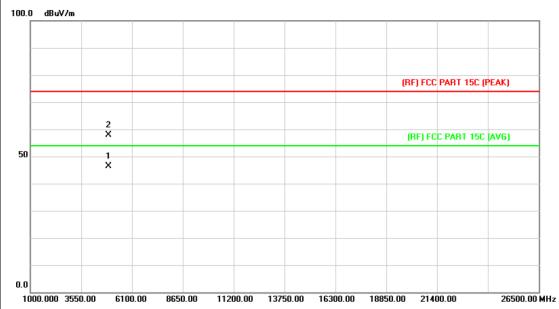


No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.875	33.50	14.15	47.65	54.00	-6.35	AVG
2		4924.035	44.83	14.15	58.98	74.00	-15.02	peak



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EUT:	Raindrop Camera	Model:	XM-JPV1-1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	100 L				
Ant. Pol.	Vertical	U.				
Test Mode:	TX B Mode 2462MHz					
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.	- A 13				

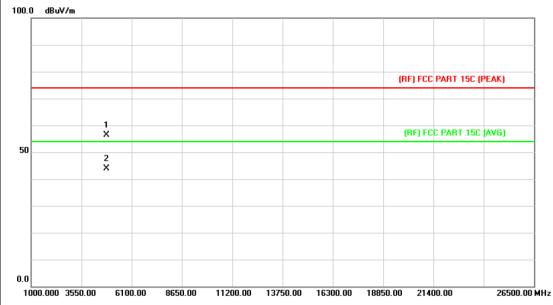


N	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.897	32.17	14.15	46.32	54.00	-7.68	AVG
2		4923.988	43.74	14.15	57.89	74.00	-16.11	peak



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EUT:	Raindrop Camera	Model:	XM-JPV1-1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	(T)					
Ant. Pol.	Horizontal	U.					
Test Mode:	TX G Mode 2412MHz						
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						

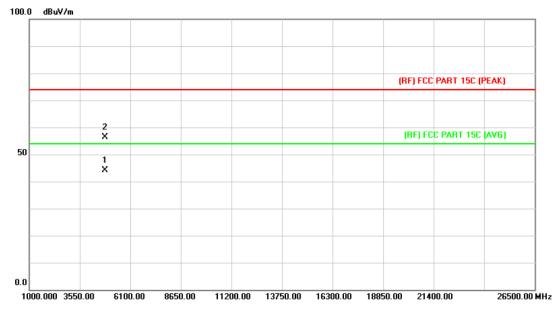


N	lo. Ml	κ. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.745	42.91	13.56	56.47	74.00	-17.53	peak
2	*	4823.826	30.29	13.56	43.85	54.00	-10.15	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	531	THE				
Ant. Pol.	Vertical						
Test Mode:	TX G Mode 2412MHz		A VIII				
Remark:	No report for the emissi	No report for the emission which more than 10 dB below the					
	prescribed limit.						

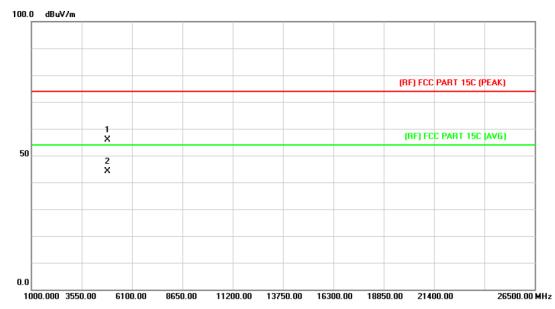


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.659	30.65	13.56	44.21	54.00	-9.79	AVG
2		4823.785	42.76	13.56	56.32	74.00	-17.68	peak



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EUT:	Raindrop Camera	Model:	XM-JPV1-1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX G Mode 2437MHz					
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.	13 m				
-						

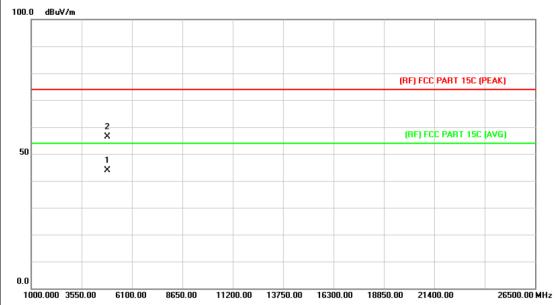


N	lo. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.686	42.12	13.86	55.98	74.00	-18.02	peak
2	*	4874.023	30.16	13.86	44.02	54.00	-9.98	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	100 C					
Ant. Pol.	Vertical	U.					
Test Mode:	TX G Mode 2437MHz						
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

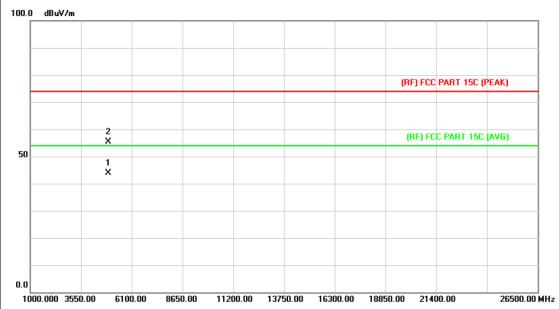


No	o. Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.865	30.03	13.86	43.89	54.00	-10.11	AVG
2		4873.943	42.60	13.86	56.46	74.00	-17.54	peak



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EUT:	Raindrop Camera	Model:	XM-JPV1-1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	501	THE				
Ant. Pol.	Horizontal						
Test Mode:	TX G Mode 2462MHz						
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						

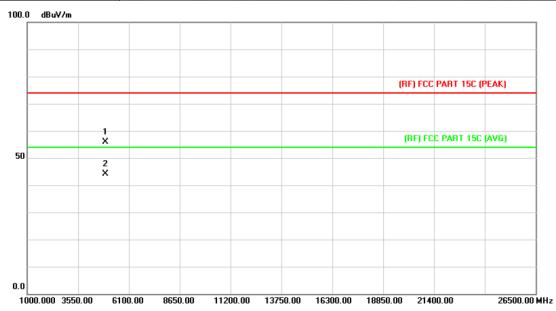


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.467	29.73	14.15	43.88	54.00	-10.12	AVG
2		4923.574	41.34	14.15	55.49	74.00	-18.51	peak



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EUT:	Raindrop Camera	Model:	XM-JPV1-1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	501					
Ant. Pol.	Vertical						
Test Mode:	TX G Mode 2462MHz		A VIII				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						

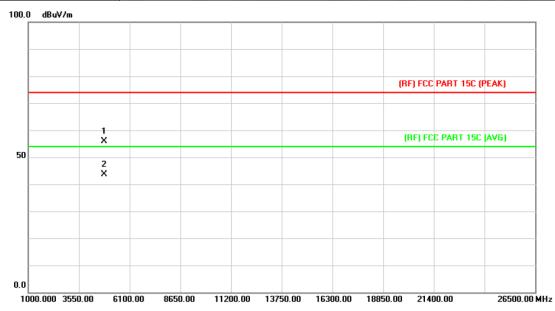


No	o. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.877	41.69	14.15	55.84	74.00	-18.16	peak
2	*	4924.003	29.97	14.15	44.12	54.00	-9.88	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT20) Mode 2412	MHz						
Remark:	No report for the emission which more than 10 dB below the							
	prescribed limit.							
i								

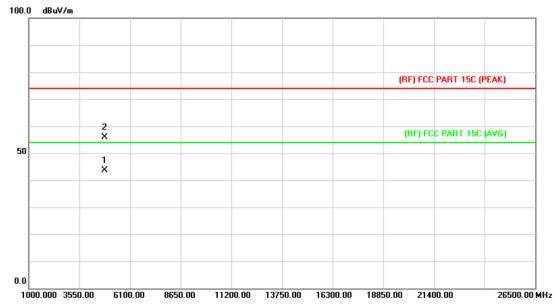


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.511	42.28	13.56	55.84	74.00	-18.16	peak
2	*	4823.641	30.12	13.56	43.68	54.00	-10.32	AVG



Page: 36 of 89

EUT:	Raindrop Camera	Model:	XM-JPV1-1					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Vertical							
Test Mode:	TX N(HT20) Mode 2412I	MHz						
Remark:	No report for the emission which more than 10 dB below the							
	prescribed limit.							

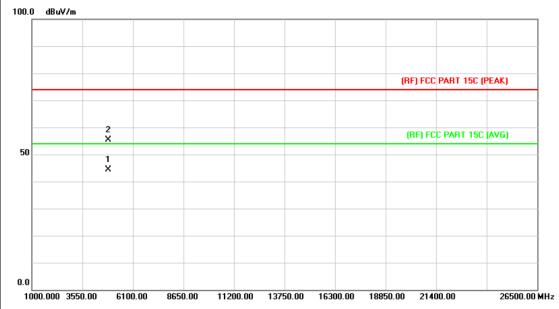


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.582	30.12	13.56	43.68	54.00	-10.32	AVG
2		4823.644	42.28	13.56	55.84	74.00	-18.16	peak



Page: 37 of 89

EUT:	Raindrop Camera	Model:	XM-JPV1-1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 2437I	MHz	A VIII				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						
İ							

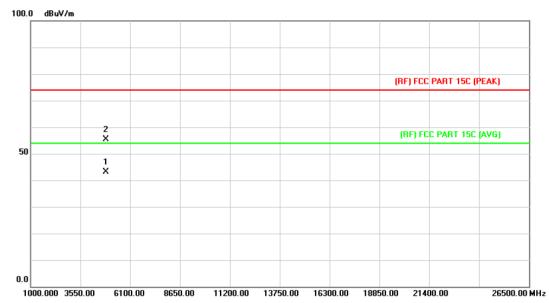


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.689	30.49	13.86	44.35	54.00	-9.65	AVG
2		4874.201	41.61	13.86	55.47	74.00	-18.53	peak



Page: 38 of 89

EUT:	Raindrop Camera	Model:	XM-JPV1-1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT20) Mode 243	7MHz				
Remark:	No report for the emissi	No report for the emission which more than 10 dB below the				
	prescribed limit.					

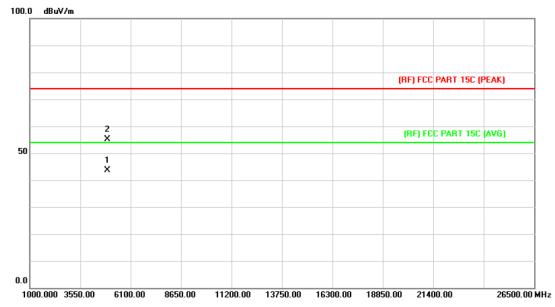


N	lo. I	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	7	ŧ	4873.862	29.39	13.86	43.25	54.00	-10.75	AVG
2			4874.327	41.58	13.86	55.44	74.00	-18.56	peak



Page: 39 of 89

EUT:	Raindrop Camera	Model:	XM-JPV1-1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX N(HT20) Mode 2462	ИНz				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

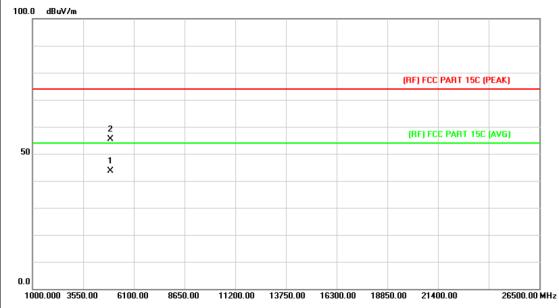


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.657	29.50	14.15	43.65	54.00	-10.35	AVG
2		4923.855	41.06	14.15	55.21	74.00	-18.79	peak



Page: 40 of 89

EUT:	Raindrop Camera Model: XM-JPV1-1					
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical					
Test Mode:	TX N(HT20) Mode 2462N	ИHz				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

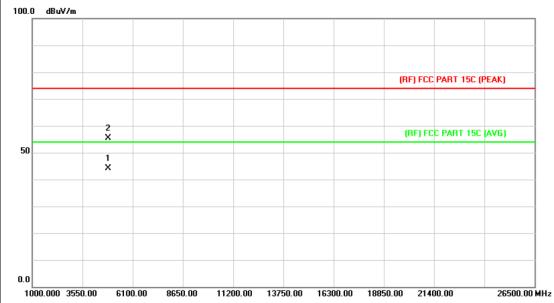


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.814	29.52	14.15	43.67	54.00	-10.33	AVG
2		4923.974	41.28	14.15	55.43	74.00	-18.57	peak



Page: 41 of 89

EUT:	Raindrop Camera	Model:	XM-JPV1-1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX N(HT40) Mode 2422N	ИНz				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the				
	prescribed limit.					
a a constant of the constant o						



No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4843.674	30.34	13.68	44.02	54.00	-9.98	AVG
2		4843.964	41.68	13.68	55.36	74.00	-18.64	peak



Page: 42 of 89

EUT:	Raindrop Camera	Model:	XM-JPV1-1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT40) Mode 2422I	ИНz	A VIII			
Remark:	No report for the emission	No report for the emission which more than 10 dB below the				
	prescribed limit.					

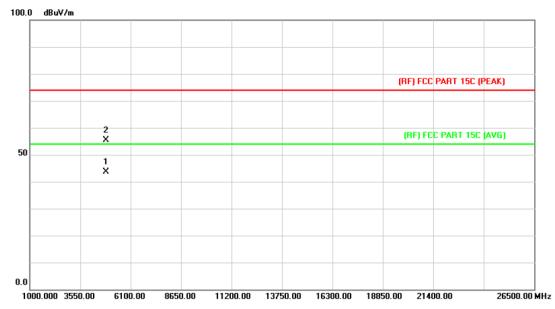


No	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.684	41.77	13.56	55.33	74.00	-18.67	peak
2	*	4843.674	29.86	13.68	43.54	54.00	-10.46	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	01 - 6	THE STATE OF				
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT40) Mode 2437N	ИHz					
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

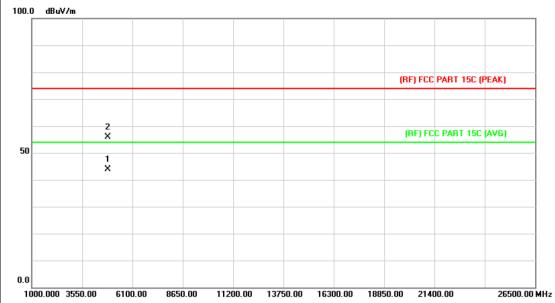


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.954	29.76	13.86	43.62	54.00	-10.38	AVG
2		4874.384	41.40	13.86	55.26	74.00	-18.74	peak



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EUT:	Raindrop Camera	Model:	XM-JPV1-1					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Vertical							
Test Mode:	TX N(HT40) Mode 2437N	ЛНz	A WILLIAM					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the						
	prescribed limit.							

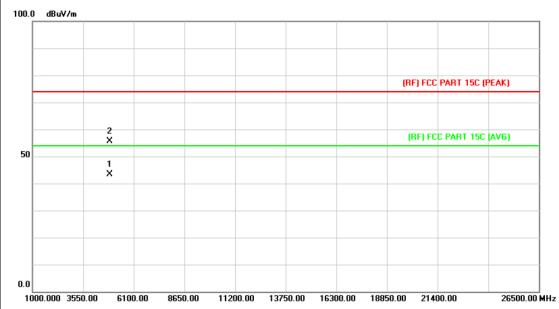


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.064	29.98	13.86	43.84	54.00	-10.16	AVG
2		4874.136	41.95	13.86	55.81	74.00	-18.19	peak



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EUT:	Raindrop Camera	Model:	XM-JPV1-1					
Temperature: 25 °C		Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT40) Mode 2452N	ИНz						
Remark:	No report for the emissio	No report for the emission which more than 10 dB below the						
	prescribed limit.	prescribed limit.						

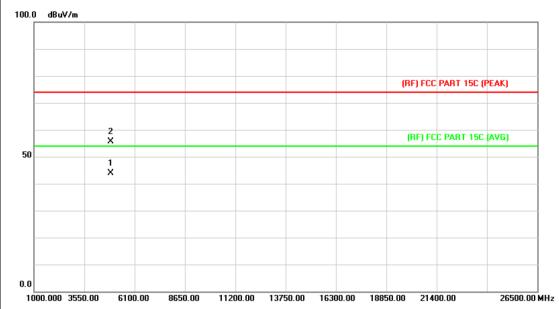


1	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4903.898	29.29	14.03	43.32	54.00	-10.68	AVG
2			4903.981	41.61	14.03	55.64	74.00	-18.36	peak



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EUT:	Raindrop Camera	Model:	XM-JPV1-1						
Temperature:	25 ℃	Relative Humidity:	55%						
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz							
Ant. Pol.	Vertical								
Test Mode:	TX N(HT40) Mode 2452N	ИНz							
Remark:	No report for the emissio	No report for the emission which more than 10 dB below the							
	prescribed limit.								



N	lo. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4903.658	29.79	14.03	43.82	74.00	-30.18	peak
2	*	4903.865	41.63	14.03	55.66	74.00	-18.34	peak



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6. Restricted Bands Requirement

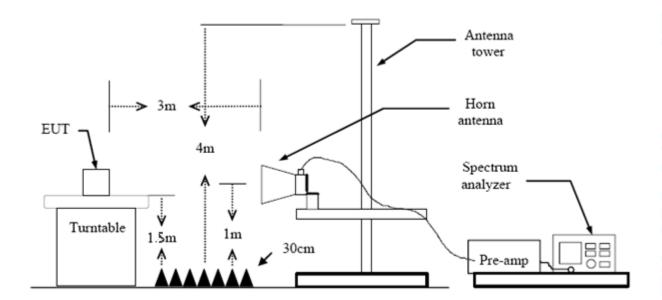
6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.209 FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Class B (dBuV/m)(at 3 M)				
Band (MHz)	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.



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(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

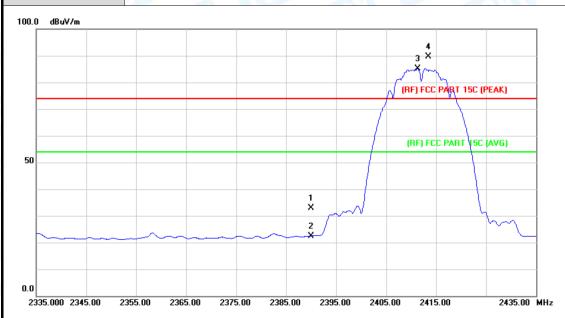
Please see the next page.



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(1) Radiation Test

EUT:	Raindrop Camera	Model:	XM-JPV1-1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	U. A.	
Ant. Pol.	Horizontal		ALTERNATION OF THE PERSON OF T
Test Mode:	TX B Mode 2412MHz		
Remark:	N/A		

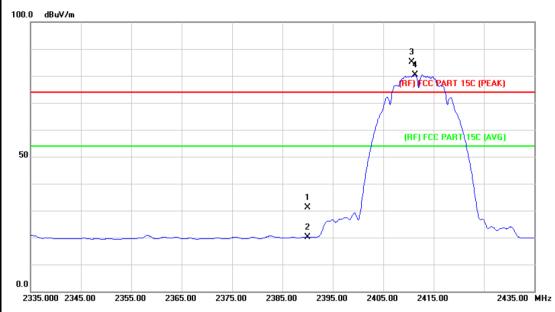


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	32.05	0.77	32.82	74.00	-41.18	peak
2		2390.000	21.70	0.77	22.47	54.00	-31.53	AVG
3	*	2411.300	84.36	0.86	85.22	Fundamenta	I Frequency	AVG
4	Χ	2413.500	88.82	0.86	89.68	Fundamenta	l Frequency	peak



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EUT:	Raindrop Camera	Model:	XM-JPV1-1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	0	Miles of
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz		
Remark:	N/A		(:13 _ (i)

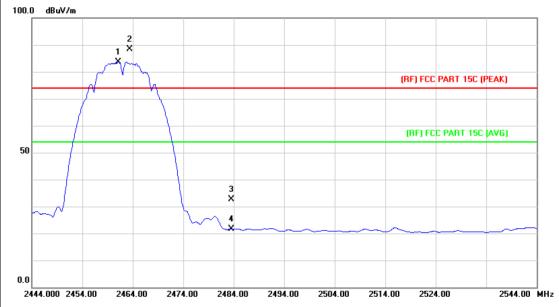


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	30.36	0.77	31.13	74.00	-42.87	peak
2		2390.000	19.36	0.77	20.13	54.00	-33.87	AVG
3	Х	2410.700	84.19	0.86	85.05	Fundamenta	I Frequency	peak
4	*	2411.300	79.51	0.86	80.37	Fundamenta	l Frequency	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2462MHz		
Remark:	N/A		1:35

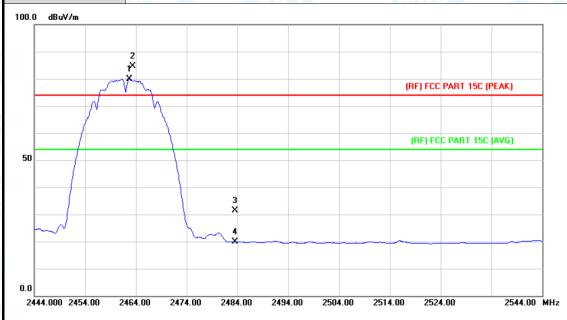


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2461.200	82.62	1.07	83.69	Fundamenta	I Frequency	AVG
2	Х	2463.400	87.38	1.08	88.46	Fundamenta	I Frequency	peak
3		2483.500	31.39	1.17	32.56	74.00	-41.44	peak
4		2483.500	20.47	1.17	21.64	54.00	-32.36	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	501	
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2462MHz	WILD S	THE RESERVE TO SERVE
Remark:	N/A		1:33

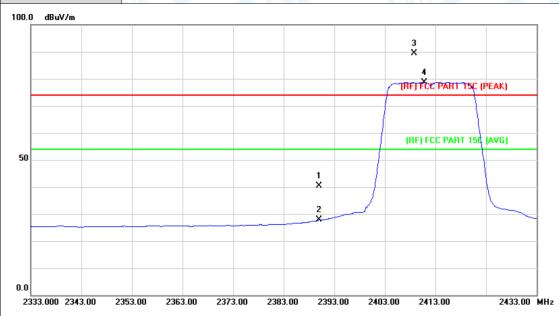


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2462.700	78.85	1.08	79.93	Fundamenta	l Frequency	AVG
2	Χ	2463.400	83.59	1.08	84.67	Fundamenta	l Frequency	peak
3		2483.500	30.17	1.17	31.34	74.00	-42.66	peak
4		2483.500	18.73	1.17	19.90	54.00	-34.10	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal	U.	
Test Mode:	TX G Mode 2412MHz		
Remark:	N/A		1:33
400.0 10.111			

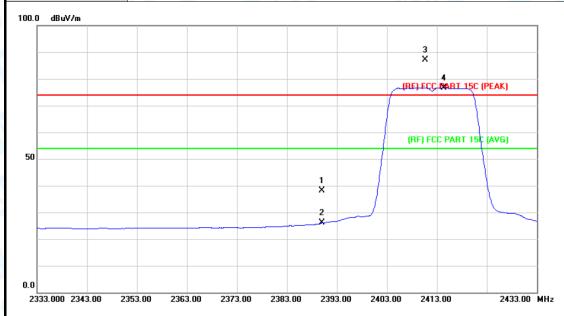


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	39.73	0.77	40.50	74.00	-33.50	peak
2		2390.000	26.99	0.77	27.76	54.00	-26.24	AVG
3	Х	2408.800	88.51	0.85	89.36	Fundamental	Frequency	peak
4	*	2410.800	77.83	0.86	78.69	Fundamenta	I Frequency	AVG



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Ī	EUT:	Raindrop Camera	Model:	XM-JPV1-1
Ì	Temperature:	25 ℃	Relative Humidity:	55%
	Test Voltage:	AC 120V/60Hz		
ì	Ant. Pol.	Vertical		
d	Test Mode:	TX G Mode 2412MHz		A LIVE
	Remark:	N/A		1:33

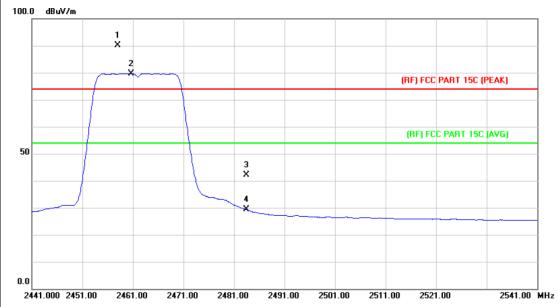


No	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	37.29	0.77	38.06	74.00	-35.94	peak
2		2390.000	25.32	0.77	26.09	54.00	-27.91	AVG
3	Χ	2410.700	86.37	0.86	87.23	Fundamental	Frequency	peak
4	*	2414.400	75.82	0.88	76.70	Fundamental	Frequency	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		

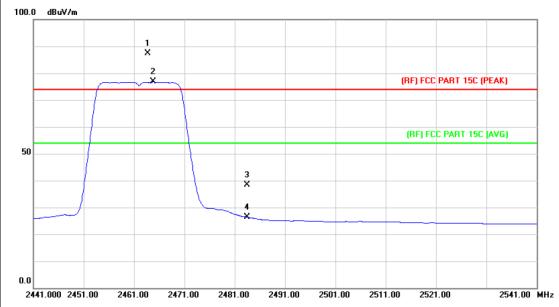


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Х	2458.000	89.01	1.06	90.07	Fundamental	Frequency	peak
2	*	2460.700	78.65	1.06	79.71	Fundamental	Frequency	AVG
3		2483.500	41.05	1.17	42.22	74.00	-31.78	peak
4		2483.500	28.10	1.17	29.27	54.00	-24.73	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		1:33

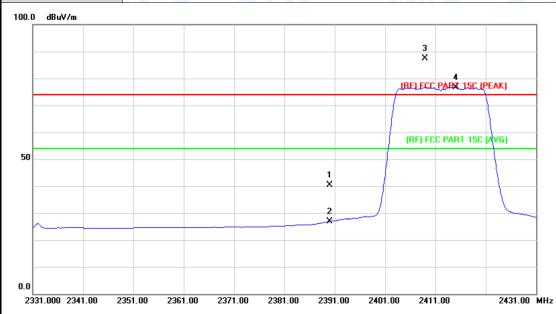


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Х	2463.700	86.40	1.08	87.48	Fundamental	Frequency	peak
2	*	2464.800	75.67	1.09	76.76	Fundamental	Frequency	AVG
3		2483.500	37.09	1.17	38.26	74.00	-35.74	peak
4		2483.500	25.20	1.17	26.37	54.00	-27.63	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT20) Mode 2412	TX N(HT20) Mode 2412MHz						
Remark:	N/A		1:33					

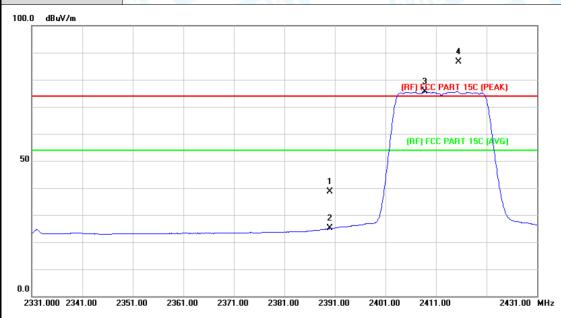


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	39.50	0.77	40.27	74.00	-33.73	peak
2		2390.000	26.08	0.77	26.85	54.00	-27.15	AVG
3	Х	2408.900	86.55	0.85	87.40	Fundamenta	I Frequency	peak
4	*	2415.100	75.75	0.88	76.63	Fundamenta	I Frequency	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Vertical	Vertical						
Test Mode:	TX N(HT20) Mode 2412	TX N(HT20) Mode 2412MHz						
Remark:	N/A							

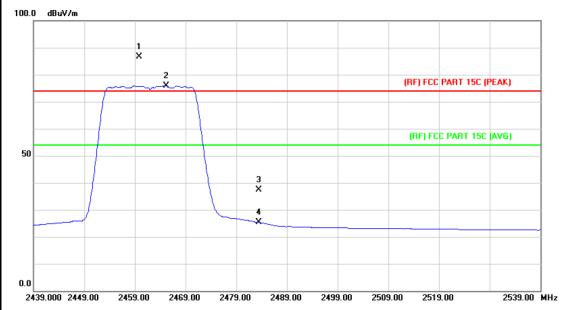


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	37.96	0.77	38.73	74.00	-35.27	peak
2		2390.000	24.27	0.77	25.04	54.00	-28.96	AVG
3	*	2408.800	74.74	0.85	75.59	Fundamenta	l Frequency	AVG
4	Х	2415.400	85.67	0.88	86.55	Fundamenta	l Frequency	peak



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EUT:	Raindrop Camera	Model:	XM-JPV1-1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT20) Mode 2462MHz						
Remark:	N/A						

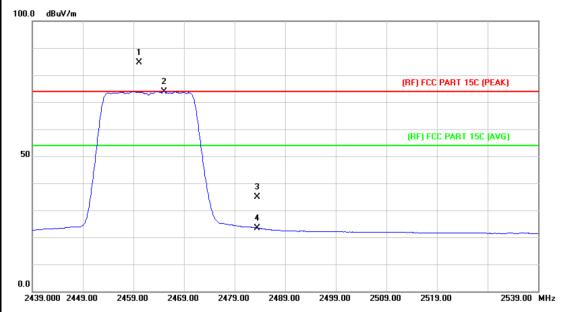


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2459.800	85.55	1.06	86.61	Fundamental	Frequency	peak
2	*	2465.200	74.83	1.09	75.92	Fundamental	Frequency	AVG
3		2483.500	36.26	1.17	37.43	74.00	-36.57	peak
4		2483.500	24.14	1.17	25.31	54.00	-28.69	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1						
Temperature:	25 ℃	Relative Humidity:	55%						
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz							
Ant. Pol.	Vertical	Vertical							
Test Mode:	TX N(HT20) Mode 2462	2MHz							
Remark:	N/A								
100.0 dBuV/m									

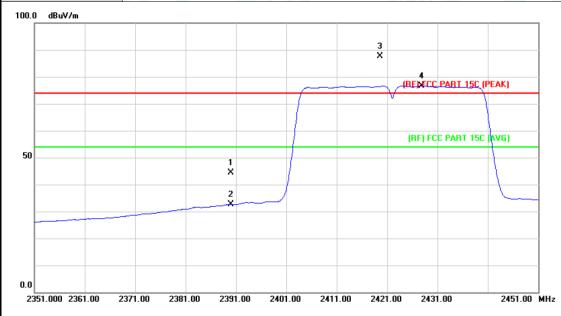


N	o. Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	O∨er	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Х	2460.200	83.48	1.06	84.54	Fundamental	Frequency	peak
2	*	2465.100	72.86	1.09	73.95	Fundamental	Frequency	AVG
3		2483.500	33.79	1.17	34.96	74.00	-39.04	peak
4		2483.500	22.29	1.17	23.46	54.00	-30.54	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT40) Mode 2422MHz						
Remark:	nark: N/A						

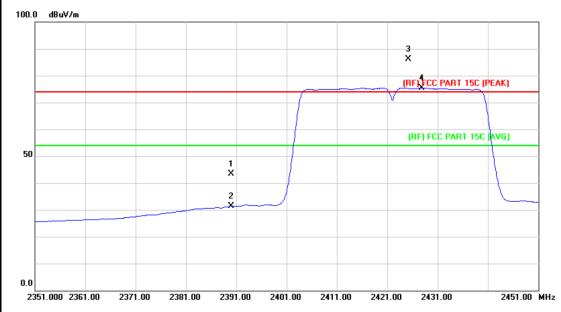


No.	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	43.64	0.77	44.41	74.00	-29.59	peak
2		2390.000	31.82	0.77	32.59	54.00	-21.41	AVG
3	Χ	2419.600	86.65	0.89	87.54	Fundamenta	al Frequency	peak
4	*	2427.800	75.66	0.94	76.60	Fundamenta	al Frequency	AVG



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EUT	:	Raindrop Camera	Model:	XM-JPV1-1				
Tem	perature:	25 ℃	Relative Humidity:	55%				
Test	Voltage:	AC 120V/60Hz						
Ant.	Pol.	Vertical						
Test	Mode:	TX N(HT40) Mode 2422MHz						
Rem	nark:	N/A		1:13				

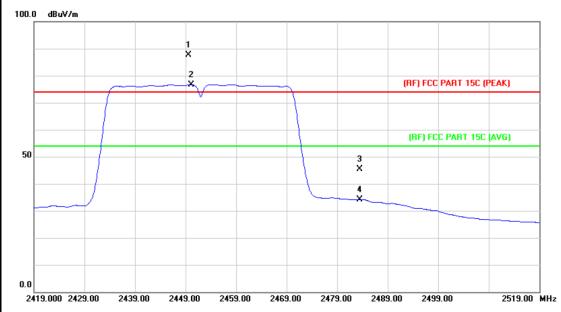


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	42.52	0.77	43.29	74.00	-30.71	peak
2		2390.000	30.62	0.77	31.39	54.00	-22.61	AVG
3	Х	2425.200	85.15	0.93	86.08	Fundament	al Frequency	peak
4	*	2427.800	74.48	0.94	75.42	Fundament	al Frequency	AVG



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EUT:	Raindrop Camera	Model:	XM-JPV1-1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX N(HT40) Mode 2452MHz					
Remark:	N/A					

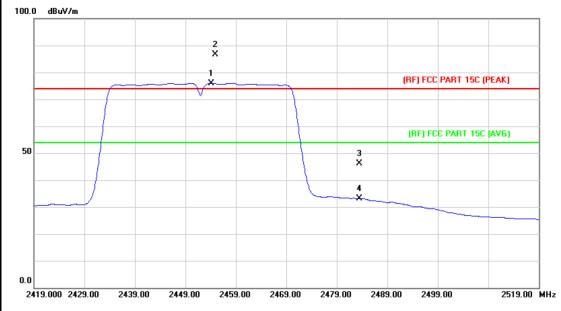


No	o. Mk	ι. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2449.600	86.62	1.02	87.64	Fundamental	Frequency	peak
2	*	2450.100	75.69	1.02	76.71	Fundamental	Frequency	AVG
3		2483.500	44.22	1.17	45.39	74.00	-28.61	peak
4		2483.500	32.92	1.17	34.09	54.00	-19.91	AVG



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EUT:	Raindrop Camera	aindrop Camera Model:						
Temperature:	25 °C Relative Humidity: 55%							
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Vertical							
Test Mode:	TX N(HT40) Mode 2452MHz							
Remark:	N/A		1:35					

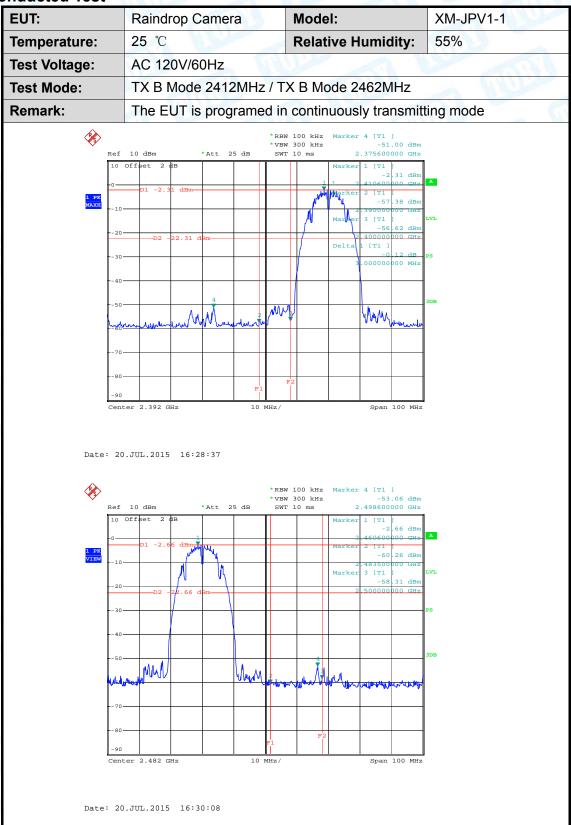


No	o. Mk	ι. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2454.200	74.93	1.04	75.97	Fundamental	Frequency	AVG
2	Χ	2454.900	85.65	1.05	86.70	Fundamental	Frequency	peak
3		2483.500	45.06	1.17	46.23	74.00	-27.77	peak
4		2483.500	31.96	1.17	33.13	54.00	-20.87	AVG



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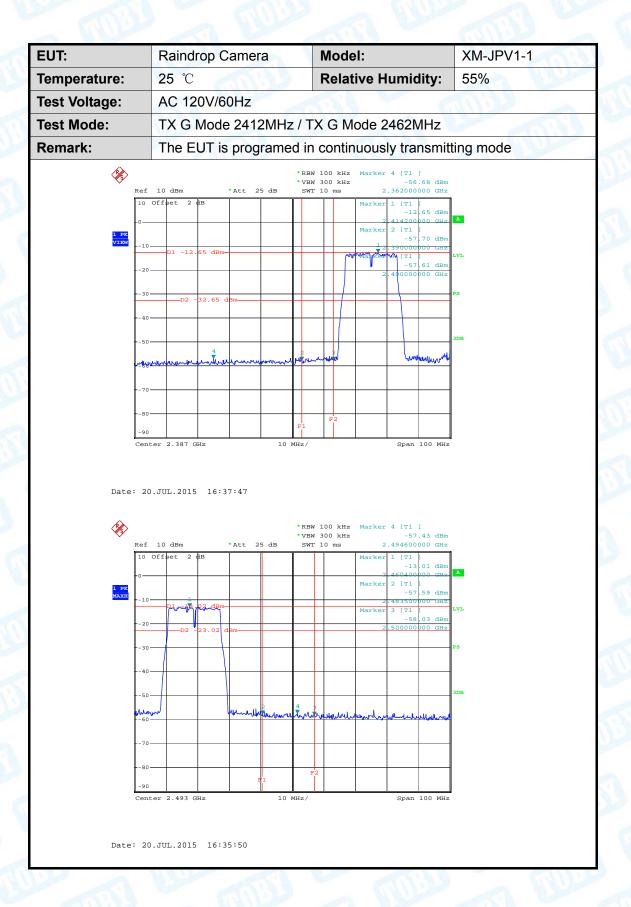
(2) Conducted Test





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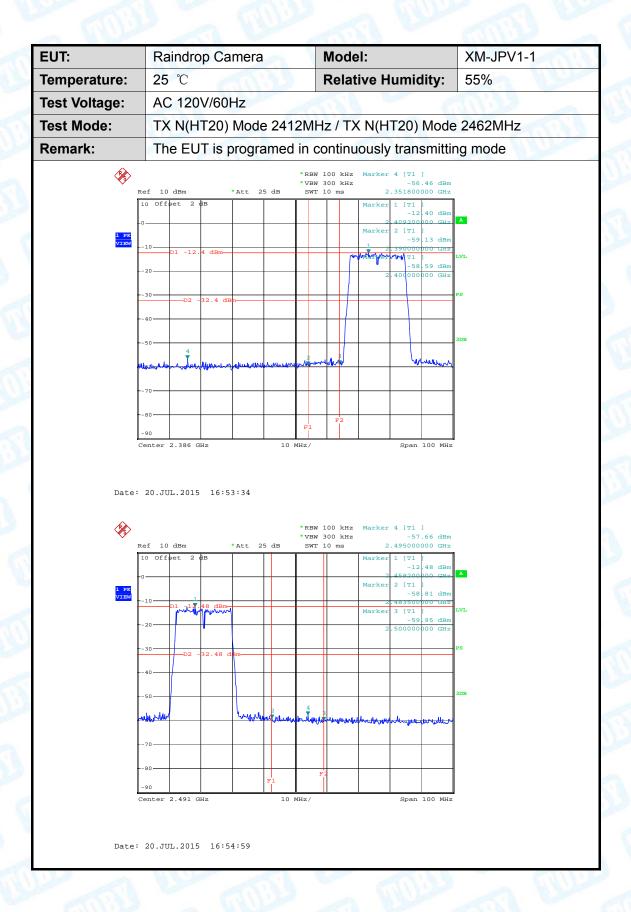






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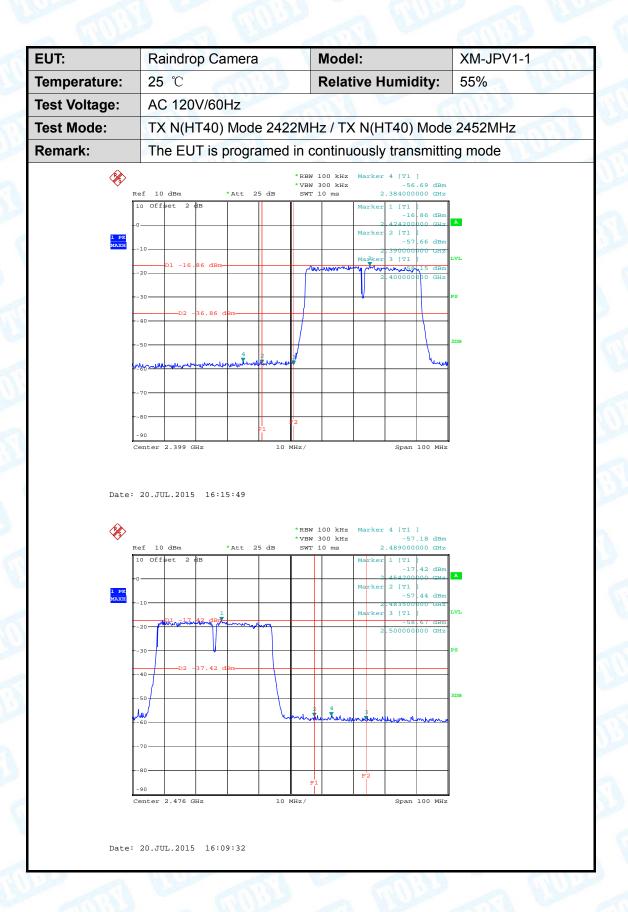






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7. Bandwidth Test

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	Test Item Limit Frequency Range(M								
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, middle and high channel for the test.



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7.5 Test Data

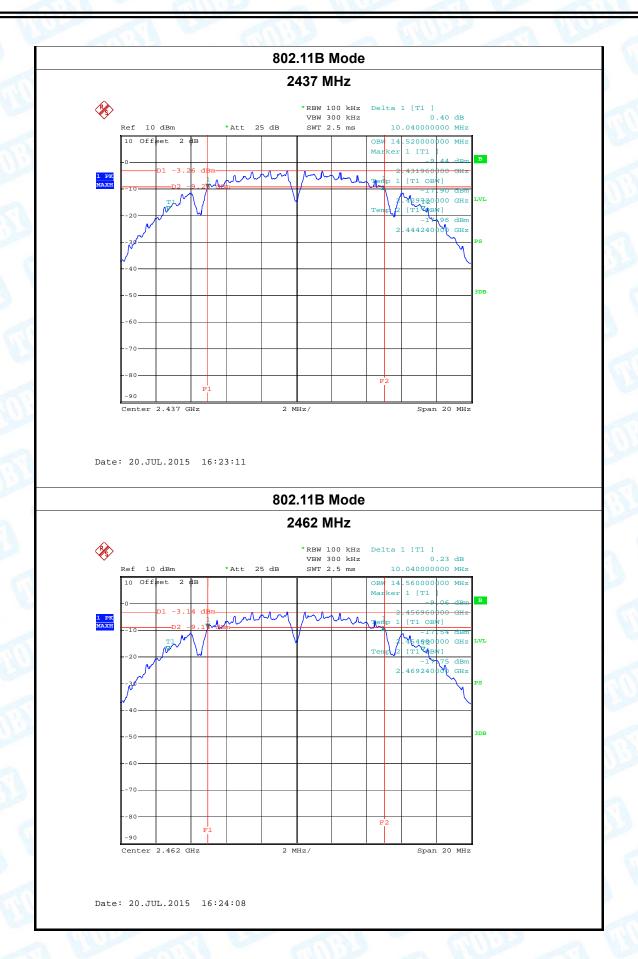
EUT:		Raindro	Raindrop Camera		N	Model:				XM-JPV1-1		
Temperature):	25 ℃	P. S.		R	Relati	ve l	Нu	midit	y:	55%	9
Test Voltage	:	AC 120)V/60Hz	a N				G	81			CITY OF
Test Mode:		TX 802	.11B Mc	ode		. 1						63
Channel free	quenc	у 60	dB Band	dwidth		99%	Ва	nd	lwidtl	า		Limit
(MHz)			(MH	z)			(M	Hz	:)			(MHz)
2412			10.04	10			14.	52	0			
2437			10.04	10			14.	52	0			>=0.5
2462			10.04	40			14.	54	0			
		U		802.1	1B N	/lode				1		
				27	12 M	1 12						
%					VBW 30	00 kHz 00 kHz	Delt		-0	.41 dB		
F	tef 10 o		*Att 2	25 dB	SWT 2.	.5 ms	OBW	14	. 040000		-	
	0						Marl	cer	1 [T1 -8] . 19. dB:	В	
1 PK MAXH		1 -2.59 di	Manual Ma	my 1	~h	Mah	7≬enīr	2. > 1	.407000 [T1 OBI		Z	
	-10	TI N		Y			١	1	404720	.22 dBi	LVL	
	-20	JV U					Temp	1/2	[T1 B	21 dB	II.	
	- ^م مهر							2.	.419240	000 GH:	PS	
	-40									·	4	
											3DB	
	-50										JUB	
	-60										_	
	-70											

Date: 20.JUL.2015 16:22:00



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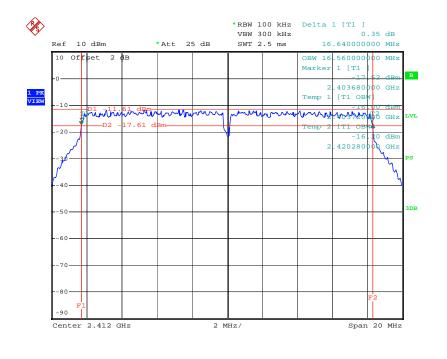


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EUT:	Raindrop Camera	Model:	XM-JPV1-1					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	U. A. I						
Test Mode:	TX 802.11G Mode		THE PARTY OF THE P					
Channel frequer	ncy 6dB Bandwidth	99% Bandwidth	Limit					
(MHz)	(MHz)	(MHz)	(MHz)					
2412	16.640	16.560						
2437	16.640	16.520	>=0.5					
2462	16.640	16.560						
802 11G Mode								

802.11G Mode

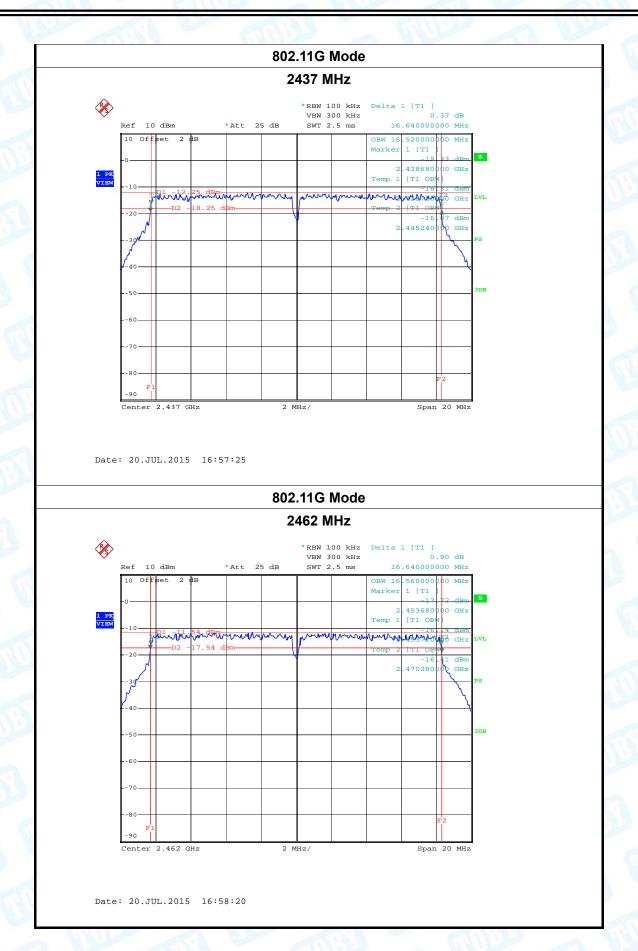
2412 MHz



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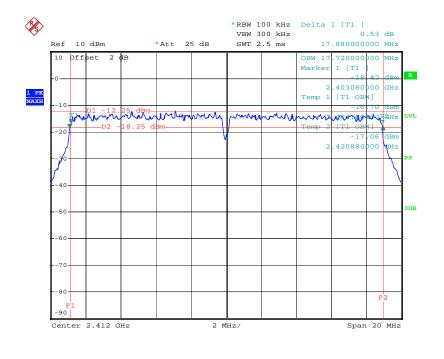




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EUT:	Raindrop Camera	Model:	XM-JPV1-1		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz				
Test Mode:	TX 802.11N(HT20) Mode				
Channel frequen	cy 6dB Bandwidth	99% Bandwidth	Limit		
(MHz)	(MHz)	(MHz)	(MHz)		
2412	17.880	17.720			
2437	17.880	17.720	>=0.5		
2462	17.840	17.720			
802 11N(HT20) Mode					

2412 MHz

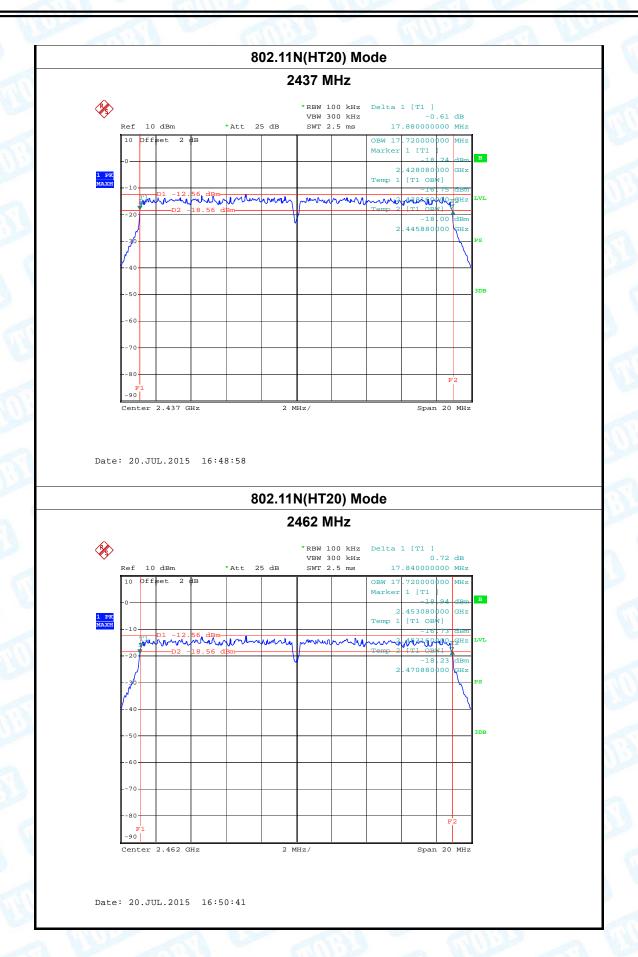


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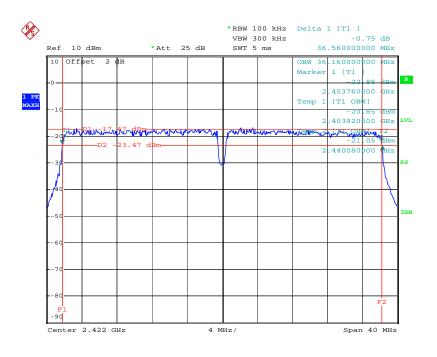




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EUT:	Raindrop Camera	Model:	XM-JPV1-1		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz	501			
Test Mode:	TX 802.11N(HT40) Mode				
Channel frequen	99% Bandwidth	Limit			
(MHz)	(MHz)	(MHz)	(MHz)		
2412	36.560	36.160			
2437	36.560	36.160	>=0.5		
2462 36.560		36.160			
	802.11N(H	HT40) Mode			
	242	2 MHz			



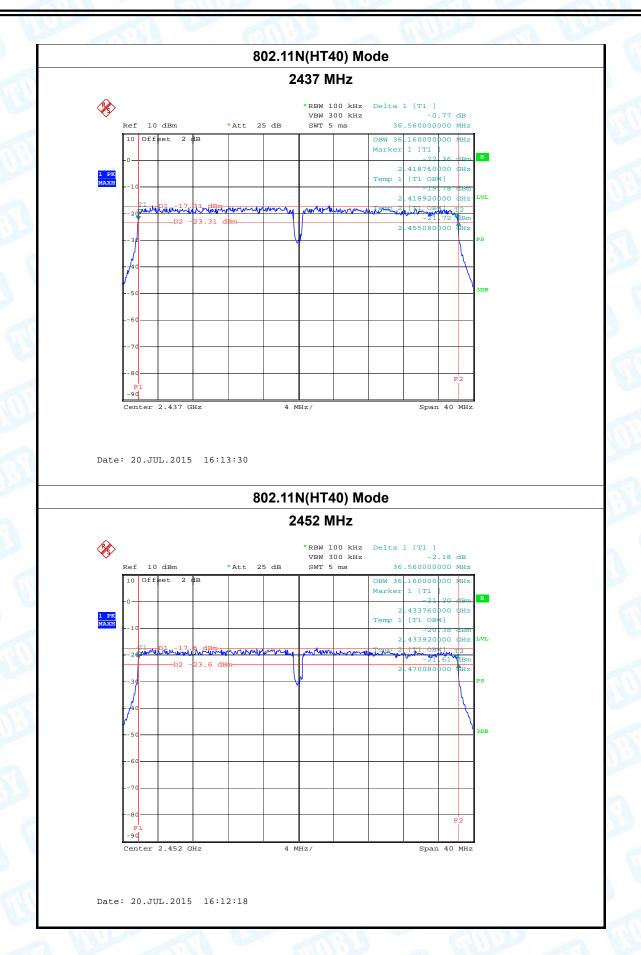


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8. Peak Output Power Test

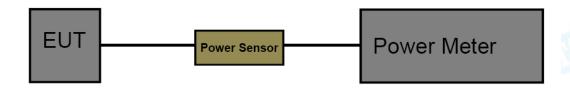
8.1 Test Standard and Limit

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 v03r02.

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.



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8.5 Test Data

EUT:	Raindrop Camera	Model Name :	XM-JPV1-1	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60Hz			
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)	
	2412	8.53		
802.11b	2437	8.39		
	2462	8.65		
	2412	8.39		
802.11g	2437	7.82		
	2462	8.24	30	
902 44m	2412	8.64	30	
802.11n (HT20)	2437	8.11		
(1120)	2462	8.07		
	2422	8.24		
802.11n (HT40)	2437	7.83		
(1140)	2452	7.67		
	Resi	ult: PASS		



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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 v03r02.

- (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

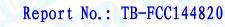
The EUT was set to continuously transmitting in each mode and low, middle and high channel for the test.



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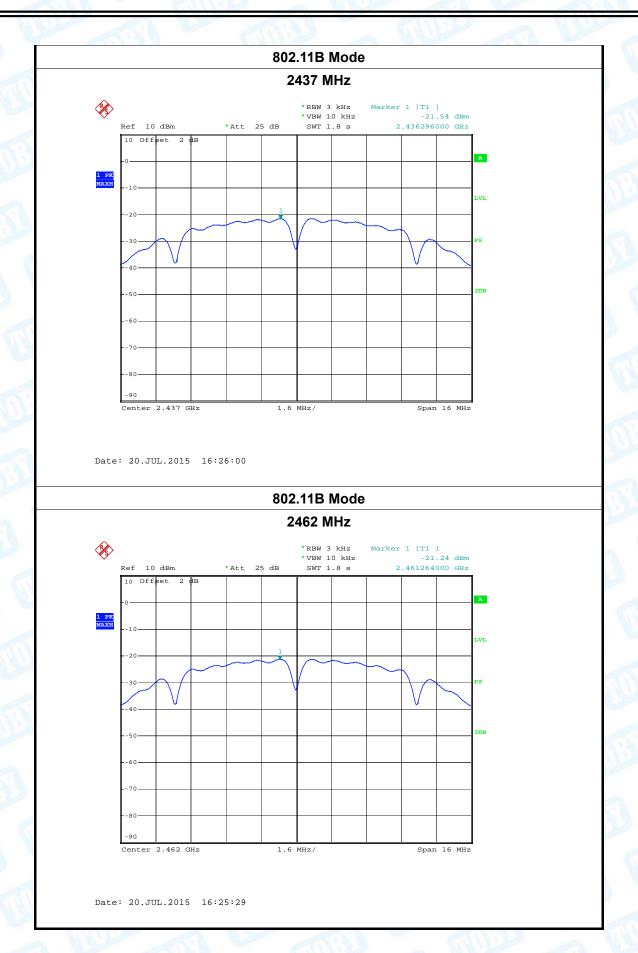
9.5 Test Data

UT:	Raindrop Camera 25 °C		Model	:	XM-JPV1-1	
emperature:			Relativ	ve Humidity:	55%	
est Voltage:	AC 120V	AC 120V/60Hz			CITI'S	
est Mode:	TX 802.11B Mode		~ (MILE	0	
Channel Fred	quency		er Density		Limit (dBm)	
(MHz)		-	Hz/dBm)			
2412			20.85			
2437			21.54		8	
2462		-	21.24			
		802.1	11B Mode			
		24	12 MHz			
Def. 1	0.40		VBW 10 kHz	Marker 1 [T1] -20.85 2.411200000		
Ref 1		*Att 25 dB	SWT 1.8 s	2.411200000	GHZ	
10 Of:	fset 2 dB					
10 Of	fset 2 dB					
1 PK	fset 2 dB				X	
1 px MAXH10	fşet 2 dB	1			LVL	
1 PK	faet 2 dB	1				
1 PK MAXH10	fact 2 dB	1				
1 px MAXH10	fact 2 dB	1			LVL	
-0	fact 2 dB	1			LVL	
20 30 50	fact 2 dB	1			LVL	
20	fact 2 dB				LVL	
-0	fact 2 dB	1			LVL	
-0	fact 2 dB	1			LVL	
	fact 2 dB				LVL	



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EUT:	Raindrop Ca	amera	Model	:	ΧN	1-JPV1-1
Temperature:	25 ℃	Tempo		erature:	25	$^{\circ}$ C
Test Voltage:	AC 120V/60	Hz	NI TO SERVICE STATE OF THE PARTY OF THE PART		1100	139
Test Mode:	TX 802.11G	Mode	Millian		62	a Til
Channel Fred	quency	Pow	er Density	,	Liı	mit (dBm)
(MHz)		(3 k	Hz/dBm)			
2412			-26.51			
2437			-26.97			8
2462		-26.48			1	
	<u>'</u>	802.	11G Mode	,		
		24	12 MHz			
%			*RBW 3 kHz *VBW 10 kHz	Marker 1 [7	r1] -26.51 dBm	
Ref 1	0 dBm *At		SWT 2.8 s		300000 GHz	
10 Of	fset 2 dB				A	
1 PK						

Martin Andrian
2.5 MHz/

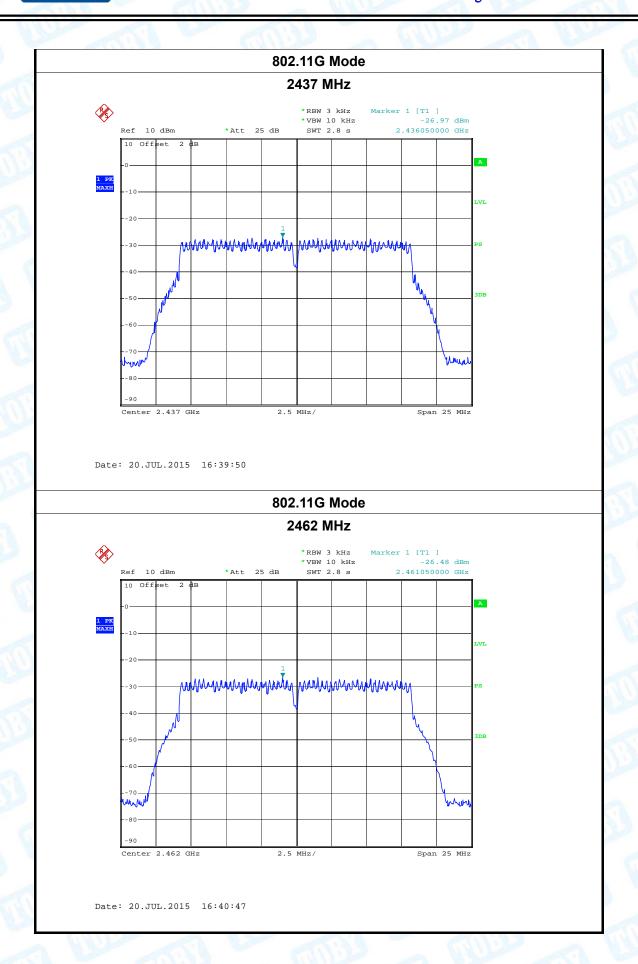
Span 25 MHz

Center 2.412 GHz



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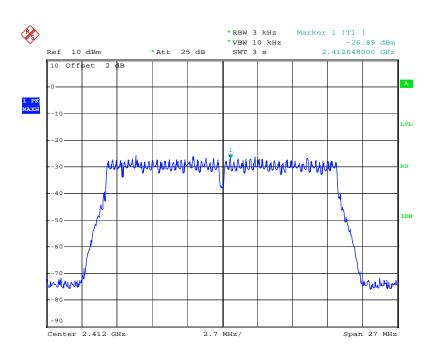
EUT:	Raindrop Camera	Model:	XM-JPV1-1
Temperature:	25 ℃	Temperature:	25 ℃
Test Voltage:	AC 120V/60Hz		THE STATE OF THE S

Test Mode: TX 802.11N(HT20) Mode

	Channel Frequency	Power Density	Limit (dBm)
	(MHz)	(3 kHz/dBm)	
ı	2412	-26.89	
	2437	-26.83	8
d	2462	-27.03	

802.11N(HT20) Mode

2412 MHz

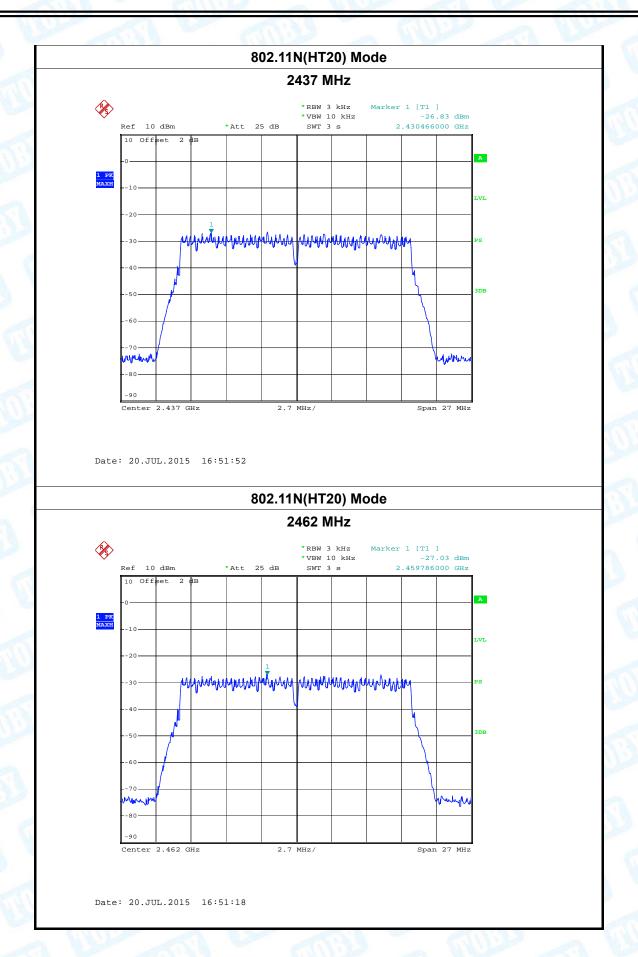


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EUT:	Raindrop	Camera	Model	•	XM-JPV1-1	
Temperature:	25 ℃	Temperature:		erature:	25 ℃	
Test Voltage:	AC 120V	/60Hz				
Test Mode:	TX 802.1	1N(HT40) Mo	de			
Channel Fre	quency	Powe	er Density		Limit (dBm)	
(MHz)		(3 k	Hz/dBm)			
2422		-	29.39			
2437		_	29.15		8	
2452		_	-30.04			
		802.11N	(HT40) Mc	ode		
		24	22 MHz			
R			RBW 3 kHz	Marker 1 [T1]		
Ref	10 dBm		VBW 10 kHz SWT 6.2 s		39 dBm	
	ffset 2 dB					
0					A	
1 PK MAXH						
-10-					LVL	
-20-						
		1			75	
-30-	and Albania Miller Abbani	PHANTAL HAND AND AND AND AND AND AND AND AND AND	I (m. dep ^{let} the dep th ede/Lode of the	Nachite Lada (Nata	PS	

5.5 MHz/

Marchery

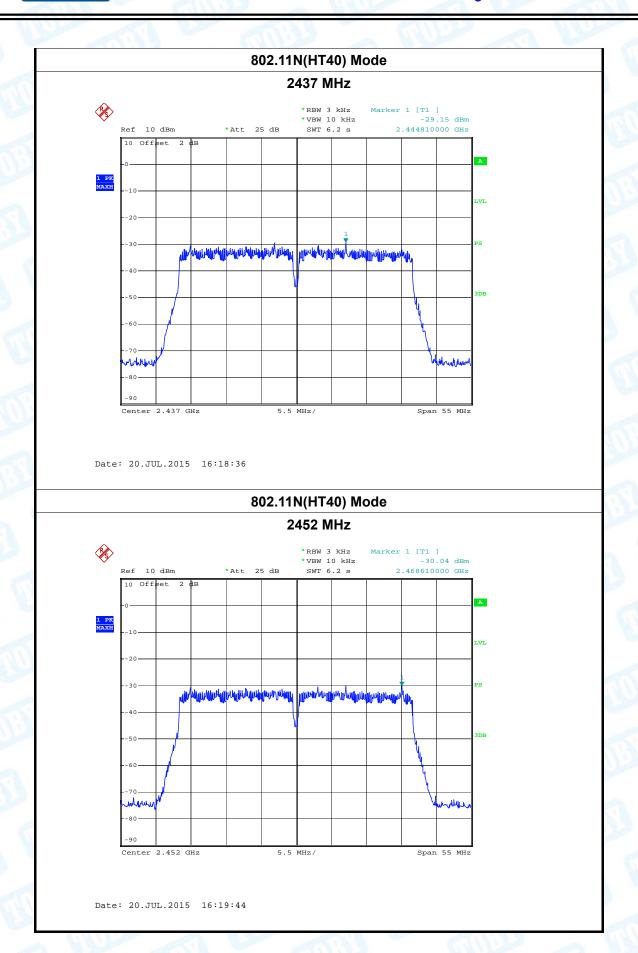
Span 55 MHz

Center 2.422 GHz



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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 2 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 PCB Antenna. It complies with the standard requirement.

	Antenna Type
	▶ Permanent attached antenna
Em.	□ Unique connector antenna
	□ Professional installation antenna