

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC155973

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FCC Radio Test Report FCC ID: 2AEP6XM-JPE2-2R

Original Grant

Report No. TB-FCC155973

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

Equipment Under Test (EUT)

EUT Name BULLET CAMERA

Model No. XM-JPE2-2R

Series Model No. XM-E2-2R, XM-E13-2R, XM-JPE13-2R, E13-2R, E2-2R

Brand Name XM

Receipt Date 2017-07-02

2017-07-03 to 2017-07-10 **Test Date**

Issue Date 2017-07-11

Standards FCC Part 15, Subpart C (15.247:2016)

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&

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.

TB-RF-074-1.0

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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	1	BULLET CAMERA XM-JPE2-2R, XM-E2-2R, XM-E13-2R, XM-JPE13-2R, E13-2R, E2-2R All these models are identical in the same PCB layout and electrical circuit, the only difference is market positioning.				
Models No.	1					
Model Difference	-					
A Lines		Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz			
1000		Number of Channel:	802.11b/g/n(HT20):11 channels see note(3) 802.11n(HT40):9 channels see note(3)			
Product		RF Output Power:	802.11b: 17.53 dBm 802.11g: 17.18 dBm 802.11n (HT20): 15.62 dBm 802.11n (HT40): 14.57 dBm			
Description		Antenna Gain:	2 dBi Dipole Antenna			
		Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n:OFDM(BPSK,QPSK,16QAM, 64QAM)			
	9	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 Rating						
Connecting I/O Port(S)	Š	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 v04.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



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(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

USB Charging+TX Mode

Adapter	EUT		

1.4 Description of Support Units

The EUT has been test as an independent unit.



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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 USB Charging with 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 fixed 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.



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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		N/A	
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
Channel	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})
	Level Accuracy:	W C
Conducted Emission	9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
Dedicted Emission	Level Accuracy:	. 4 CO dD
Radiated Emission	9kHz to 30 MHz	±4.60 dB
Dedicted Emission	Level Accuracy:	. 4. 40 dD
Radiated Emission	30MHz to 1000 MHz	±4.40 dB
Dadiated Emission	Level Accuracy:	. 4 20 dD
Radiated Emission	Above 1000MHz	±4.20 dB



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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.



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2. Test Summary

FCC Part 15 Subpart C(15.247)/ RSS 247 Issue 1					
Standa	rd Section	Took Itom	ludament		
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	Band Edge	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.



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3. Test Equipment

Conducted	d Emission Te	st			
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 Tes	t			
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.25, 2017	Mar. 24, 2018
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar.25, 2017	Mar. 24, 2018
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.24, 2017	Mar. 23, 2018
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar.24, 2017	Mar. 23, 2018
Loop Antenna	Laplace instrument	RF300	0701	Mar.24, 2017	Mar. 23, 2018
Pre-amplifier	Sonoma	310N	185903	Mar.25, 2017	Mar. 24, 201
Pre-amplifier	HP	8449B	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 C	onducted Em	ission			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 22, 2016	Jul. 21, 2017
Spectrum Analyzer	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



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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

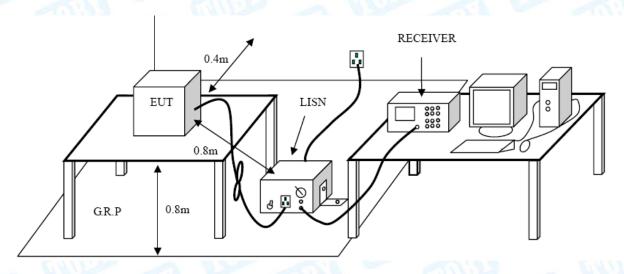
Conducted Emission Test Limit

-0130	Maximum RF Line 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.

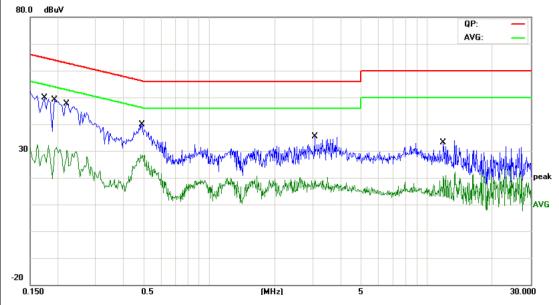
4.5 Test Data

Please see the next page.



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EUT:	BULLET CAMERA	Model Name :	XM-JPE2-2R
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Terminal:	Line		
Test Mode:	Charging with TX B Mod	le	
Remark:	Only worse case is repo	rted	T:33 _ T
80.0 dBuV			QP: — AVG: —



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBu∀	dB	Detector
1	*	0.1740	37.24	9.58	46.82	64.76	-17.94	QP
2		0.1740	17.24	9.58	26.82	54.76	-27.94	AVG
3		0.1940	36.12	9.58	45.70	63.86	-18.16	QP
4		0.1940	16.58	9.58	26.16	53.86	-27.70	AVG
5		0.2220	34.19	9.58	43.77	62.74	-18.97	QP
6		0.2220	15.65	9.58	25.23	52.74	-27.51	AVG
7		0.4900	28.37	9.60	37.97	56.17	-18.20	QP
8		0.4900	17.61	9.60	27.21	46.17	-18.96	AVG
9		3.0540	16.15	9.65	25.80	56.00	-30.20	QP
10		3.0540	6.50	9.65	16.15	46.00	-29.85	AVG
11		11.8940	16.43	10.21	26.64	60.00	-33.36	QP
12		11.8940	8.51	10.21	18.72	50.00	-31.28	AVG



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EUT:	BULLET	CAMERA	Мо	del Name :		XM-JPE2	2-2R
emperature:	25 ℃	Carrier S	Rel	ative Humid	lity:	55%	ABOVE
est Voltage:	AC 120	//60Hz	100	1	GU	1177	
erminal:	Neutral		AHIT.		6		
est Mode:	Chargin	g with TX B	Mode	WWW TO BE		a W	
Remark:	Only wo	rse case is	reported			3.5	
30 MMM	Mary Mary Mary Mary Mary Mary Mary Mary	Handridee horsel haps you.	hy kashanian ayadaha	Aport of the distribution of the second seco	eral distribution of the second	QP: AVG:	AV
0.150 No. Mk.	0.5 Freq.	Reading Level	(MHz) Correct Factor	Measure- ment	Limit	Over	30.000
	MHz	dBuV	dB	dBuV	dBuV	dB	Detecto
1 * 0	.1620	38.35	9.64	47.99	65.36	-17.37	QP
2 0.	.1620	20.23	9.64	29.87	55.36	-25.49	AV
3 0.	.2020	34.83	9.65	44.48	63.52	-19.04	QP
	.2020	17.16	9.65	26.81		-26.71	AVO
	.4940	28.03	9.58	37.61	56.10		QP
	.4940	18.13	9.58	27.71		-18.39	AVO
	.9100	16.95	9.72	26.67		-29.33	QP
7 3				16.81		-29.19	AV
	9100	7.09	9.75				, , , ,
8 3	.9100	7.09 15.42	9.72			-34 33	OP
8 3	.6940	15.42	10.25	25.67	60.00	-34.33	
8 3 9 9 10 9	.6940 .6940	15.42 7.68	10.25 10.25	25.67 17.93	60.00 50.00	-32.07	QP AV
8 3 9 9 10 9 11 13	.6940	15.42	10.25	25.67	60.00 50.00 60.00		



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EUT:	BULLET CAN	1ERA	Model Name		XM-JPE	2-2R		
Temperature:	25 ℃	OBD T	Relative Hum	idity:	55%	Allen		
Test Voltage:	AC 240V/60H	Iz	2.0	Call	1:33			
Terminal:	Line	- AMO		63				
Test Mode:	Charging with TX B Mode							
Remark:	Only worse ca	ase is reported	1	THE	13			
80.0 dBuV								
					QP: AVG:			
×	4							
Mymm	X							
30	Nazadah / "	handaha wansa wala	C X Complete Land		I	. 1 11 11		
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	MHz dBu			dBuV	dB	Detector		
	1580 33.6				-22.37	QP		
	1580 13.4				-32.57	AVG		
	1940 31.7				-22.58	QP		
	1940 12.7				-31.50	AVG		
	5140 24.				-22.25	QP		
	5140 15.6				-20.71	AVG		
	3940 18.0				-28.37	QP		
	3940 10.5				-25.82	AVG		
	1460 18.2				-28.15	QP		
	1460 9.7				-26.60	AVG		
-	9460 16.7				-29.61	QP		
12 2.9	9460 9.6	9.64	19.27 4	16 00	-26.73	AVG		



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			2(0)(0)(0)			
EUT:	BULLET C	AMERA	Model Name:		XM-JPE2	2-2R
Temperature:	25 ℃	THE COURSE	Relative Humic	dity:	55%	A Brown
Test Voltage:	AC 240V/6	0Hz	13.1	CILI	1130	
Terminal:	Neutral	~ W		63		
Test Mode:	Charging w	vith TX B Mode	MILES		a W	
Remark:	Only worse	case is reporte	ed		13	
80.0 dBuV						
					QP: AVG:	
					,	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
30	AND A MAN	Market Barbert	Hange Harman March Company of the Co	washington that	adad Akaadkadha	Neath a side Ak
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					,	
·20	0.5	(MHz)	5			30.000
5.755	0.0	( <u>-</u>				00.000
	Re	ading Corre				
No. Mk.	Freq. L	evel Fact	or ment ^l	_imit	Over	
	MHz d	Bu∨ dB	dBu∨	dBuV	dB	Detector
1 0	.2340 28	3.02 9.62	2 37.64 6	32.30	-24.66	QP
2 0	.2340 14	4.86 9.62	2 24.48 5	2.30	-27.82	AVG
3 0	.2940 2	5.76 9.57	7 35.33 6	0.41	-25.08	QP
4 0	.2940 1	5.02 9.57	7 24.59 5	0.41	-25.82	AVG
5 * 0	.5140 2	7.65 9.58	37.23 5	6.00	-18.77	QP
6 0	.5140 1	7.31 9.58	3 26.89 4	16.00	-19.11	AVG
7 1	.0540 22	2.22 9.59	31.81 5	6.00	-24.19	QP
<u> </u>		3.09 9.59			-23.32	AVG
		2.10 9.60			-24.30	QP
· ·	020 2		. 01.10			σ.

**Emission Level= Read Level+ Correct Factor** 

14.04

20.63

9.76

9.60

9.64

9.64

23.64

30.27

19.40

1.7020

2.5380

2.5380

10

11

12

AVG

QP

AVG

46.00 -22.36

56.00 -25.73

46.00 -26.60



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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 (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	Distance of 3	m (dBuV/m)
(MHz)	Peak	Average
Above 1000	74	54

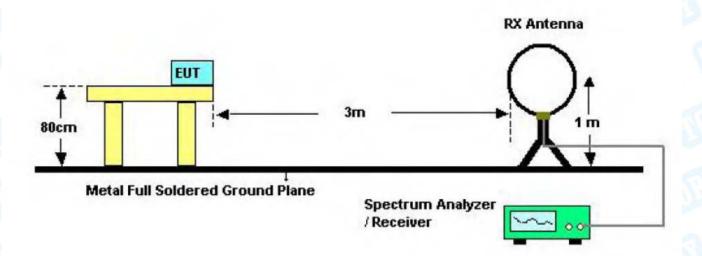
#### Note:

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

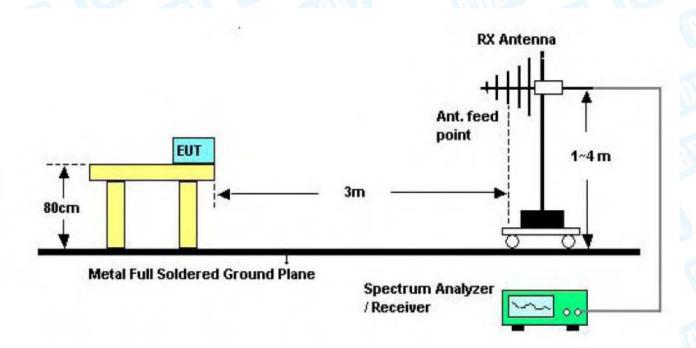


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# 5.2 Test Setup



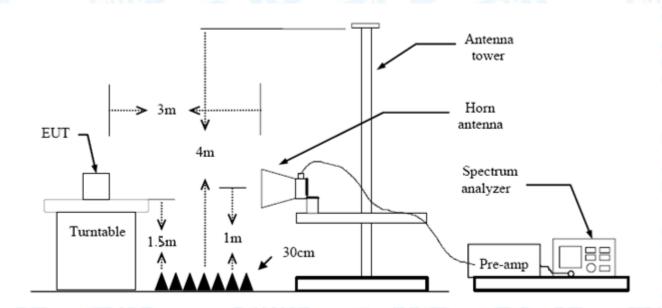
Below 30MHz Test Setup



Below 1000MHz Test Setup



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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.



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## 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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## 9KHz~30MHz

From 9KHz to 30MHz: Conclusion: PASS

**Emission Level= Read Level+ Correct Factor** 

Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

### 30MHz~1GHz

	BULL	ET CAME	RA	Model:		XM-JPE	2-2R
ıre:	<b>25</b> ℃	CHIT!		Relative H	umidity:	55%	
ge:	AC 12	20/60Hz	CIND !	3	BALL		1
Ant. Pol. Horizontal						13.3	
:	TX B	Mode 241	2MHz	M. Comment	1	N. Salar	
	Only v	worse cas	e is reported		Miller		
water of the	police la troubpelle			3 X X	(RF)FCC 1		
0 50	60 7	0.00	6HI-2	200	400 E	00 000 700	1000 00
J 50	ъп 7	U 8U	(MHZ)	300	400 5	OO 600 700	1000.00
(. F	req.	Readin Level	g Correct Factor	Measure- ment	Limit	Over	
	4.						
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detecto
N		dBu∨ 54.77			dBuV/m	dB -10.24	Detecto
98.	MHz		-21.51	dBuV/m			
98.4 150	инz 4865	54.77	-21.51 -20.73	dBuV/m 33.26	43.50	-10.24	peak
98.4 150. 250.	MHz 4865 .0107 .3009	54.77 53.82 54.50	-21.51 -20.73 -17.39	33.26 33.09 37.11	43.50 43.50 46.00	-10.24 -10.41 -8.89	peal peal peal
98.4 150. 250.	MHz 4865 .0107	54.77 53.82	-21.51 -20.73 -17.39 -13.81	dBuV/m 33.26 33.09	43.50 43.50	-10.24 -10.41	peal peal
	E CONTRACTOR OF THE PARTY OF TH	Horizon TX B Only v	Horizontal  TX B Mode 241  Only worse cas	Horizontal  TX B Mode 2412MHz  Only worse case is reported	Horizontal  TX B Mode 2412MHz  Only worse case is reported	Horizontal  TX B Mode 2412MHz  Only worse case is reported  (REJECC 1)  O 50 60 70 80 (MHz) 300 400 5  Reading Correct Measure-	Horizontal  TX B Mode 2412MHz  Only worse case is reported  (REFECT 15C 3M Radiation Margin 6)  To 50 60 70 80 (MHz) 300 400 500 600 700  Reading Correct Measure-



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120/60Hz	01 - 6	Miles of
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz		
Remark:	Only worse case is repor	ted	



	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
•	1	į	49.8813	58.57	-24.02	34.55	40.00	-5.45	peak
2	2		98.4865	55.89	-21.51	34.38	43.50	-9.12	peak
3	3		102.0014	56.25	-21.38	34.87	43.50	-8.63	peak
4	4		141.3298	55.61	-21.44	34.17	43.50	-9.33	peak
ļ	5		150.0107	54.88	-20.73	34.15	43.50	-9.35	peak
(	3	*	550.9479	50.42	-9.25	41.17	46.00	-4.83	peak

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



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### **Above 1GHz**

BULLET CAMERA	Model:	XM-JPE2-2R					
25 ℃	Relative Humidity:	55%					
AC 120/60Hz	AC 120/60Hz						
Horizontal							
TX B Mode 2412MHz		The same					
No report for the emission limit.	which more than 10 dE	B below the prescribed					
	25 °C AC 120/60Hz Horizontal TX B Mode 2412MHz No report for the emission	25 °C Relative Humidity:  AC 120/60Hz  Horizontal  TX B Mode 2412MHz  No report for the emission which more than 10 dB					



N	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.031	28.84	13.56	42.40	54.00	-11.60	AVG
2		4824.470	43.27	13.56	56.83	74.00	-17.17	peak



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz	AC 120/60Hz					
Ant. Pol.	Vertical	U					
Test Mode:	TX B Mode 2412MHz	WILD S	2 100				
Remark:	No report for the emission v	No report for the emission which more than 10 dB below the					
	prescribed limit.						

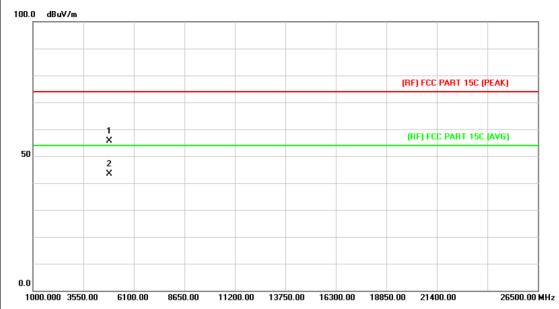


No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.010	29.30	13.56	42.86	54.00	-11.14	AVG
2		4824.031	41.98	13.56	55.54	74.00	-18.46	peak



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz	AC 120/60Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX B Mode 2437MHz	MILLER					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						
i e e e e e e e e e e e e e e e e e e e							

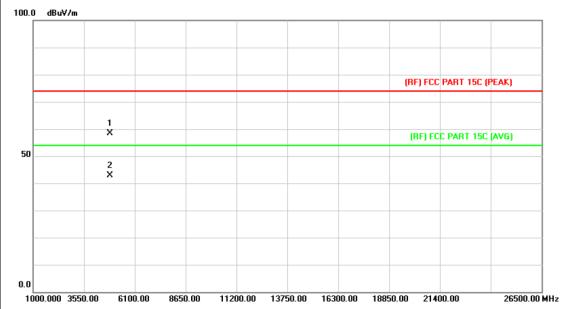


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.893	41.84	13.86	55.70	74.00	-18.30	peak
2	*	4873.969	29.43	13.86	43.29	54.00	-10.71	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120/60Hz					
Ant. Pol.	Vertical					
Test Mode:	TX B Mode 2437MHz					
Remark:	No report for the emission which more than 10 dB below the					
prescribed limit.						

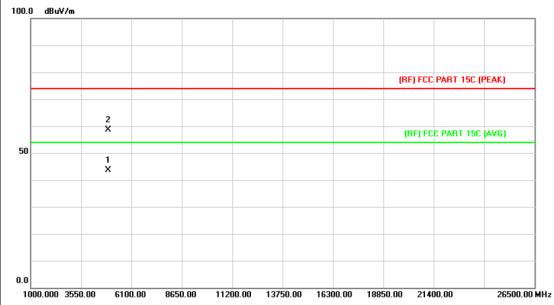


N	lo. I	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1			4873.924	44.41	13.86	58.27	74.00	-15.73	peak
2	*	•	4874.041	29.13	13.86	42.99	54.00	-11.01	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz	AC 120/60Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX B Mode 2462MHz		THE REAL PROPERTY.				
Remark:	No report for the emission	which more than 10 de	B below the				
	prescribed limit.						
			l.				

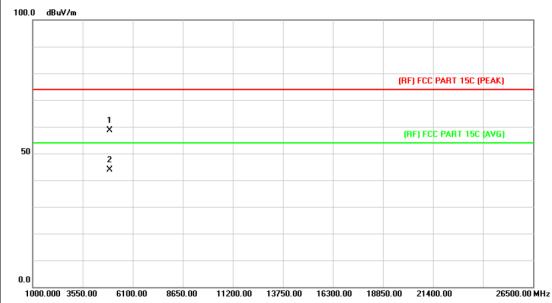


No.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.051	29.45	14.15	43.60	54.00	-10.40	AVG
2		4924.054	44.36	14.15	58.51	74.00	-15.49	peak



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120/60Hz					
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX B Mode 2462MHz		THE PARTY OF THE P			
Remark:	No report for the emission	No report for the emission which more than 10 dB below the				
	prescribed limit.					
			·			

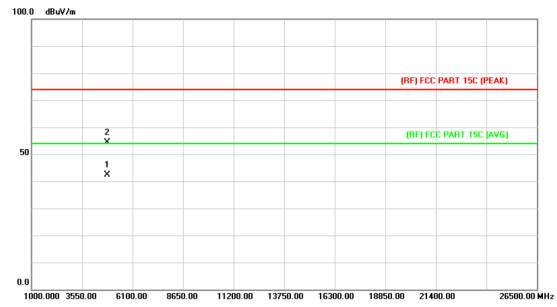


N	lo.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1			4923.828	44.55	14.15	58.70	74.00	-15.30	peak
2		*	4923.928	29.74	14.15	43.89	54.00	-10.11	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	<b>25</b> ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz	AC 120/60Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX G Mode 2412MHz		THE PARTY OF THE P				
Remark:	No report for the emission	n which more than 10 de	3 below the				
	prescribed limit.						
Ì							

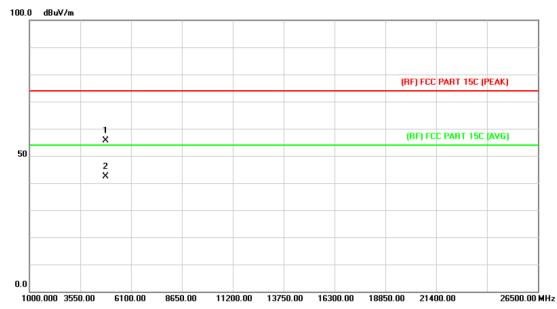


	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4823.970	28.86	13.56	42.42	54.00	-11.58	AVG
2	-		4824.081	40.92	13.56	54.48	74.00	-19.52	peak



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz	AC 120/60Hz					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX G Mode 2412MHz		A THURSDAY				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.	الله المراس					
Í							

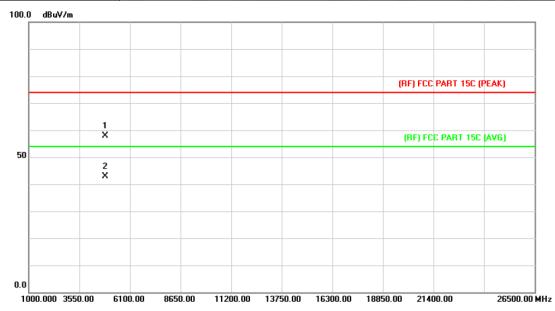


No	o. Mk	. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.890	42.18	13.56	55.74	74.00	-18.26	peak
2	*	4823.937	28.76	13.56	42.32	54.00	-11.68	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120/60Hz					
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX G Mode 2437MHz	THE STATE OF	All lines			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

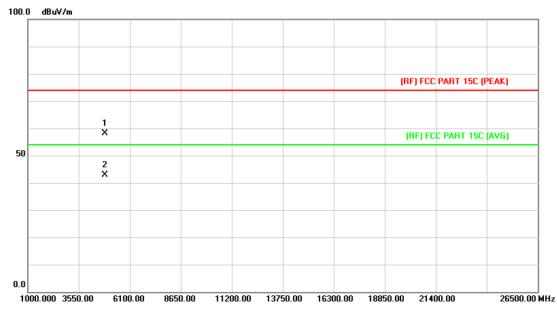


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.135	43.93	13.86	57.79	74.00	-16.21	peak
2	*	4874.377	29.11	13.86	42.97	54.00	-11.03	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120/60Hz					
Ant. Pol.	Vertical					
Test Mode:	TX G Mode 2437MHz	WIII DE	A VIII			
Remark: No report for the emission which more than 10 dB below the prescribed limit.						

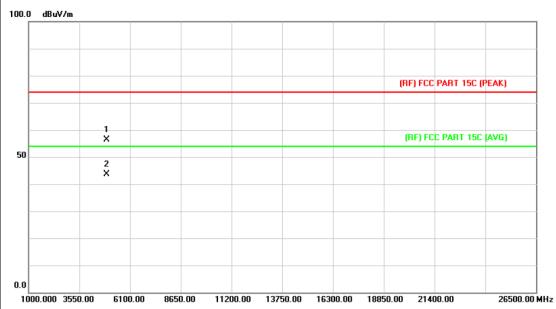


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.006	44.16	13.86	58.02	74.00	-15.98	peak
2	*	4874.296	29.12	13.86	42.98	54.00	-11.02	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz	AC 120/60Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX G Mode 2462MHz						
Remark:	No report for the emission which more than 10 dB below the						
prescribed limit.							

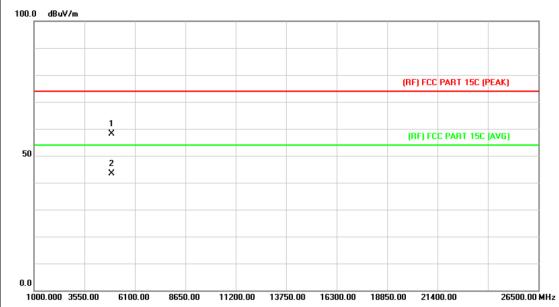


No	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.030	42.23	14.15	56.38	74.00	-17.62	peak
2	*	4924.255	29.38	14.15	43.53	54.00	-10.47	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	<b>25</b> ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz	AC 120/60Hz					
Ant. Pol.	Vertical	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.						
Ì							



N	<b>l</b> o.	Mk.	Freq.			Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1			4923.915	44.03	14.15	58.18	74.00	-15.82	peak
2		*	4923.971	29.33	14.15	43.48	54.00	-10.52	AVG



Page: 35 of 91

EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz	AC 120/60Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 2412N	1Hz	Jan Hilliam				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						

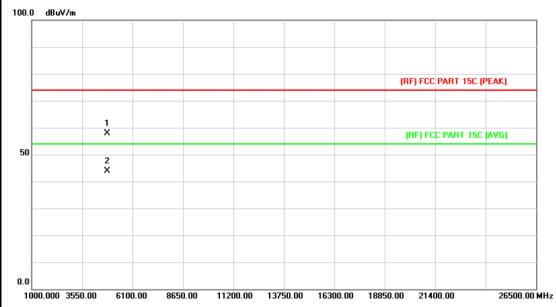


No	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.892	34.92	13.56	48.48	54.00	-5.52	AVG
2		4824.345	42.94	13.56	56.50	74.00	-17.50	peak



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz						
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.						
4							

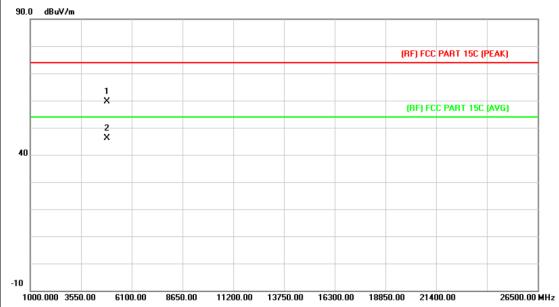


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.154	44.20	13.56	57.76	74.00	-16.24	peak
2	*	4823.922	30.28	13.56	43.84	54.00	-10.16	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120/60Hz					
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX N(HT20) Mode 243	7MHz				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

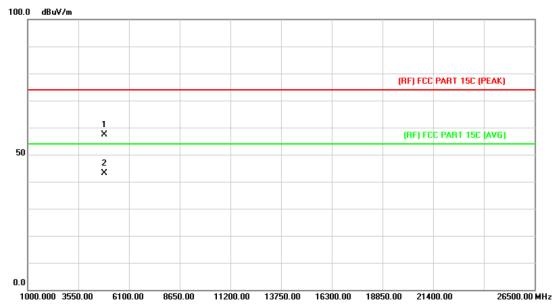


No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.519	45.78	13.86	59.64	74.00	-14.36	peak
2	*	4875.967	32.32	13.87	46.19	54.00	-7.81	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz	AC 120/60Hz					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX N(HT20) Mode 2437M	lHz					
Remark:	No report for the emission	which more than 10 de	B below the				
	prescribed limit.						

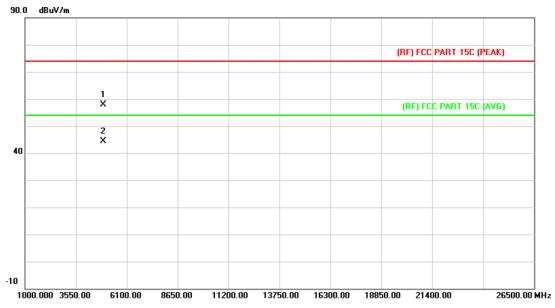


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.592	43.52	13.86	57.38	74.00	-16.62	peak
2	*	4874.500	29.27	13.86	43.13	54.00	-10.87	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz						
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 2462MF	łz	2 1111				
Remark:	No report for the emission	which more than 10 dB	below the				
	prescribed limit.						
Í							

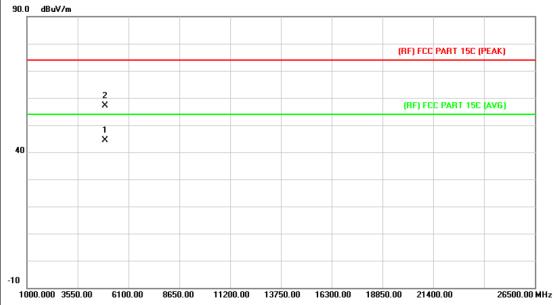


N	lo.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1			4923.174	43.79	14.15	57.94	74.00	-16.06	peak
2		*	4923.770	30.13	14.15	44.28	54.00	-9.72	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz						
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX N(HT20) Mode 2462MF	łz	2 1111				
Remark:	No report for the emission	which more than 10 dB	below the				
	prescribed limit.						
1							

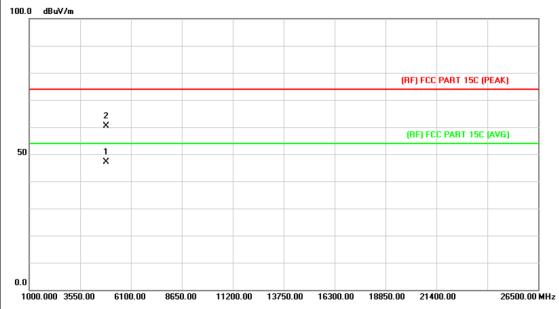


No	o. M	k. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.098	30.30	14.15	44.45	54.00	-9.55	AVG
2		4924.916	42.98	14.15	57.13	74.00	-16.87	peak



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz						
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT40) Mode 2422N	1Hz	THE PERSON NAMED IN				
Remark:	No report for the emission	which more than 10 dB	below the				
	prescribed limit.						
400 G - 10 U							

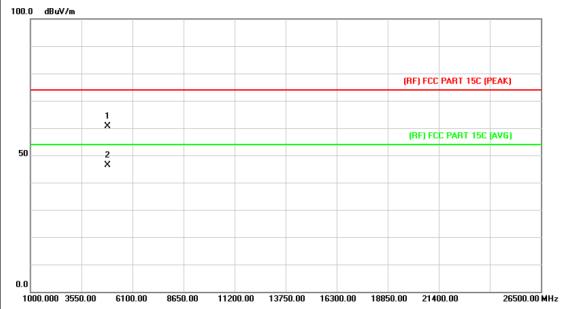


	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4843.466	33.45	13.68	47.13	54.00	-6.87	AVG
2			4843.547	46.76	13.68	60.44	74.00	-13.56	peak



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120/60Hz					
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT40) Mode 2422MH	z	A VIII			
Remark:	No report for the emission v	which more than 10 dB	below the			
	prescribed limit.					

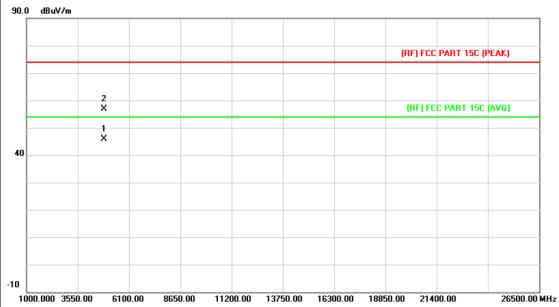


No	o. Mł	c. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4843.256	46.86	13.68	60.54	74.00	-13.46	peak
2	*	4843.751	32.59	13.68	46.27	54.00	-7.73	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz		Till				
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT40) Mode 2437M	Hz					
Remark:	No report for the emission	which more than 10 de	B below the				
	prescribed limit.	The Marie of the M					

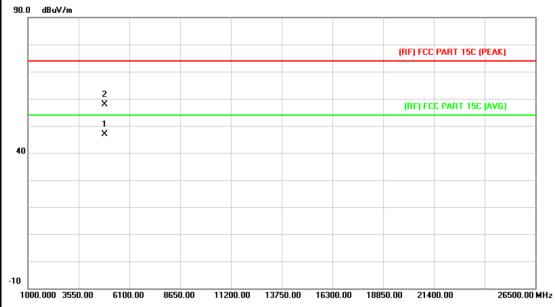


No	ь. М	k. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.665	32.11	13.86	45.97	54.00	-8.03	AVG
2		4875.662	43.10	13.87	56.97	74.00	-17.03	peak



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120/60Hz		Time
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2437M	lHz	
Remark:	No report for the emission prescribed limit.	which more than 10 de	3 below the

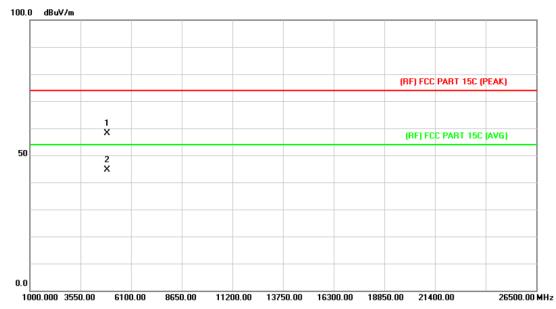


N	No.	Mk.	Freq.			Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4873.998	32.93	13.86	46.79	54.00	-7.21	AVG
2			4875.649	44.11	13.87	57.98	74.00	-16.02	peak



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz		The same of the sa				
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT40) Mode 2452N	1Hz	THE PARTY OF THE P				
Remark:	No report for the emission	n which more than 10 de	B below the				
	prescribed limit.	القا مر الما					

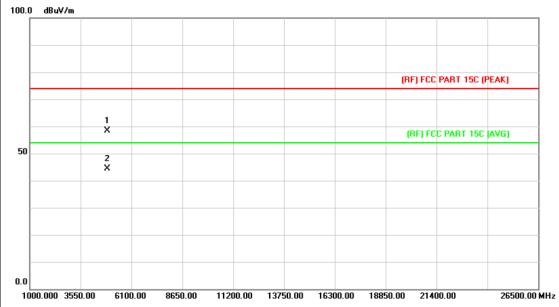


No	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4903.628	44.04	14.03	58.07	74.00	-15.93	peak
2	*	4904.585	30.49	14.03	44.52	54.00	-9.48	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120/60Hz		Tible
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2452N	lHz	
Remark:	No report for the emission	which more than 10 de	B below the
	prescribed limit.		
100 0 4D-W/-			



No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4903.505	44.32	14.03	58.35	74.00	-15.65	peak
2	*	4905.095	30.36	14.04	44.40	54.00	-9.60	AVG



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# 6. Restricted Bands Requirement

### 6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.247(d)

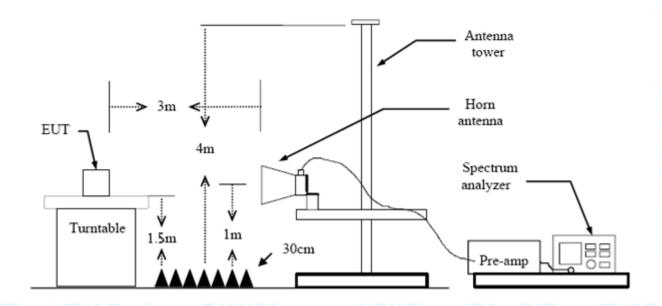
FCC Part 15.209

FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Distance of	3m (dBuV/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.



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(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

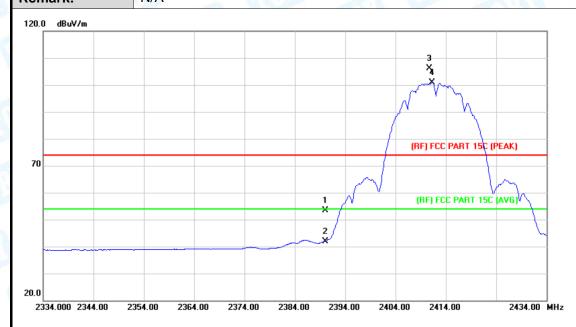
Please see the next page.



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# (1) Radiation Test

EUT:	BULLET CAMERA	Model:	XM-JPE2-2R
Temperature:	<b>25</b> ℃	Relative Humidity:	55%
Test Voltage:	AC 120/60Hz	O	
Ant. Pol.	Horizontal	WILD P	ALL LAND
Test Mode:	TX B Mode 2412MHz		13 - 6
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		2390.000	52.73	0.77	53.50	74.00	-20.50	peak
2		2390.000	41.19	0.77	41.96	54.00	-12.04	AVG
3	Χ	2410.700	105.18	0.86	106.04	Fundamental F	requency	peak
4	*	2411.300	100.01	0.86	100.87	Fundamental F	requency	AVG



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Test Voltage: AC 120/60Hz Ant. Pol. Vertical Test Mode: TX B Mode 2412MHz Remark: N/A  10.0 dBuV/m  (RF) FCC PART 15C (PEAK)	EUT:			BUL	LET CAN	/JERA	Mode	el:		XM-JPE2-	2R
Ant. Pol. Vertical  Test Mode: TX B Mode 2412MHz  Remark: N/A  20.0 dBuV/m  (RF) FCC PART 15C (PEAK)	Temp	eratu	re:	25 °C	C	CEN	Relat	ive Hu	midity:	55%	
TX B Mode 2412MHz  Remark: N/A  20.0 dBuV/m  (RF) FCC PART 15C (PEAK)	Test \	Voltag	e:	AC 1	20/60Hz		1800		60	11:39	
70 1 1 (RF) FCC PART 15C (PEAK)	Ant. F	Pol.		Verti	cal	- W	U.		A W		M.
20.0 dBuV/m  (RF) FCC PART 15C (PEAK)  1 (RF) FCC PART 15C [AVG]	Test I	Mode:		TX B	Mode 2	412MHz	- 6	4/1/2		O W	Mess
(RF) FCC PART 15C (PEAK)  1 (RF) FCC PART 15C [AVG]	Rema	ark:		N/A	ABO		201 1			13	
70 (RF) FCC PART 15C (PEAK)	120.0	dBuV/m									
	70						*/		(RF) FCC		
		Mk	Fre	-a		_			Limit	Over	
Reading Correct Measure- No. Mk. Freg. Level Factor ment Limit Over	No							10110			
	No		MH					BuV/m	dBuV/n	n dB	Detecto
No. Mk. Freq. Level Factor ment Limit Over				łz	dBuV	dB/m	n dE				
No. Mk. Freq. Level Factor ment Limit Over  MHz dBuV dB/m dBuV/m dBuV/m dB Detector	1		2390.	lz 000	dBu∨ 52.29	dB/m	n dE 7 5	3.06	74.00	-20.94	peal
No. Mk.         Freq.         Level         Factor         ment         Limit         Over           MHz         dBuV         dBuV         dBuV/m         dBuV/m         dBuV/m         dB uV/m         dB uV	1 2	X	2390. 2390.	000 000	dBuV 52.29 40.73	dB/m 9 0.77 3 0.77	n de 7 5 7 4	3.06 1.50	74.00 54.00	-20.94 -12.50	peal AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R
Temperature:	<b>25</b> ℃	Relative Humidity:	55%
Test Voltage:	AC 120/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2462MHz	WILLIAM STATE	
Remark:	N/A		130

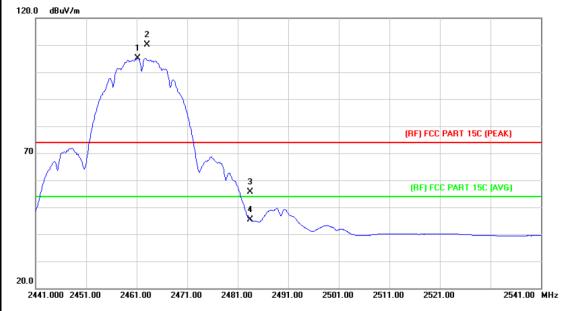


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2460.500	102.68	1.06	103.74	Fundamenta	I Frequency	peak
2	*	2461.200	98.06	1.07	99.13	Fundamenta	l Frequency	AVG
3		2483.500	51.82	1.17	52.99	74.00	-21.01	peak
4		2483.500	40.24	1.17	41.41	54.00	-12.59	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2462MHz	MILES	
Remark:	N/A		130



No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2461.200	104.07	1.07	105.14	Fundamental I	Frequency	AVG
2	X	2463.000	108.95	1.08	110.03	Fundamental I	Frequency	peak
3		2483.500	54.34	1.17	55.51	74.00	-18.49	peak
4		2483.500	44.15	1.17	45.32	54.00	-8.68	AVG



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EUT:			BULI	LET	CAME	RA	Mod	lel:		XM-JPE2	2-2R
Tempe	eratu	re:	25 ℃	C		33	Rela	tive H	umidity:	55%	Allen
Test V	oltag	e:	AC 1	20/6	0Hz		THE STATE OF THE S		6	CELL	
Ant. P	ol.		Horiz	zonta	I	111			9 10		W. T.
Test N	lode:		TX G	Мо	de 2412	2MHz	_ (	11/17		a V	
Rema	rk:		N/A	10	S. James					130	
120.0 d	lBuV/m										
70							1 ×			CC PART 15C (PE	
20.0											
	000 234		357.00	2367.	oo 237 ading	77.00 238 Corre		97.00 easure	<del>-</del>	17.00	2437.00 MH
No.	. Mk	Fre	∍q.	Le	evel	Facto	or r	nent	Limit	Over	
		MH	Iz	d	Bu∨	dB/m	d	BuV/m	dBuV/n	n dB	Detector
		2390.	000	6	5.80	0.77	6	6.57	74.00	-7.43	peak
1			000	49	3.26	0.77	4	19.03	54.00	-4.97	AVG
1		2390.	000	-10							
	*	2390. 2405.			3.41	0.84	Ş	94.25	Fundame	ntal Frequency	AVG



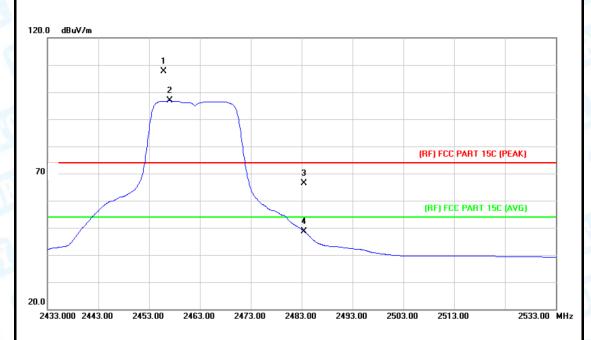
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	Γ:		BUL	LET C	AMEF	RA		Mod	el:		X	M-JPE	2-2R
Tem	peratu	re:	25 °C	C		30		Rela	tive Hu	ımidity:	5	5%	ARTH
Test	t Voltag	je:	AC 1	20/60	Hz			Q.		61	W		
٩nt.	. Pol.		Verti	cal		L. H.	الزار		1	1 6		6	
Test	t Mode:		TX C	Mode	e 2412	2MHz		1611	11/0		A	1/1/	A STATE OF THE PARTY OF THE PAR
Ren	nark:		N/A	RR	1			1		CIII)			
120.0	) dBuV/m												
70							1 ×		, ;	(RF) FC		15C (PEA	
20.0 23	37.000 234	7.00 2	357.00	2367.00	) 237	7.00 2387	7.00	2397	00 24	07.00 24	17.00		2437.00 MI
N	lo. Mk.	Fre	q.	Read Lev		Correct Facto		/leas	sure- ent	Limit	(	Over	
N	lo. Mk.	Fre			/el			me		Limit dBuV/n		Over dB	Detecto
N 1	lo. Mk.		lz	Lev	/el u∨	Facto		dBu	ent		ı		Detecto
1	lo. Mk.	МН	o00	Le\ dBi	/el u∀ 52	Facto dB/m		dBu	ent V/m	dBuV/n	n ) .	dB	
	lo. Mk.	MH 2390.	000 000	dBi	/el u∨ 52 50	dB/m		70 49	ent V/m .29	dBuV/n	n ) .	dB -3.71 -4.73	peak



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz		THE PARTY OF THE P
Remark:	N/A		33 _ 0

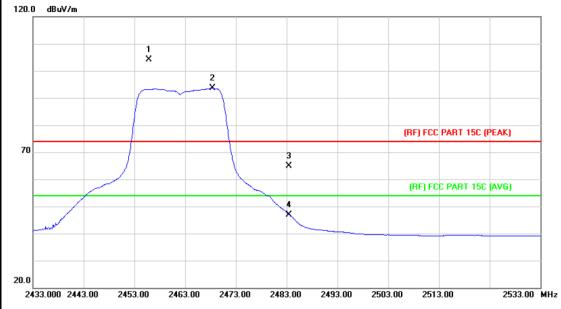


١	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	,	X	2455.900	106.47	1.05	107.52	Fundamental I	requency	peak
2	1	*	2457.100	95.74	1.05	96.79	Fundamental Frequency		AVG
3			2483.500	65.09	1.17	66.26	74.00	-7.74	peak
4			2483.500	47.40	1.17	48.57	54.00	-5.43	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R
Temperature:	<b>25</b> ℃	Relative Humidity:	55%
Test Voltage:	AC 120/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		

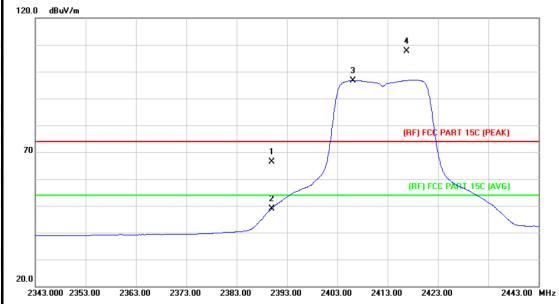


N	lo.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		X	2455.800	103.02	1.05	104.07	Fundamental	Frequency	peak
2	,	*	2468.400	92.50	1.11	93.61	 Fundamental	Frequency	AVG
3			2483.500	63.73	1.17	64.90	74.00	-9.10	peak
4			2483.500	45.79	1.17	46.96	54.00	-7.04	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz						
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 2412MH	TX N(HT20) Mode 2412MHz					
Remark:	N/A						

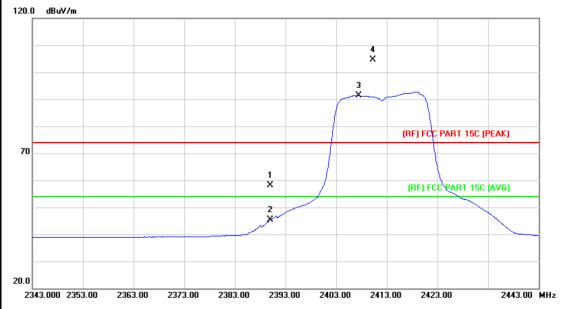


No.	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	65.57	0.77	66.34	74.00	-7.66	peak
2		2390.000	48.21	0.77	48.98	54.00	-5.02	AVG
3	*	2406.200	95.85	0.84	96.69	Fundamental F	requency	AVG
4	Χ	2416.750	106.77	0.88	107.65	Fundamental F	requency	peak



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120/60Hz					
Ant. Pol.	Vertical					
Test Mode:	TX N(HT20) Mode 2412Ml	TX N(HT20) Mode 2412MHz				
Remark:	N/A		33 _ 0			

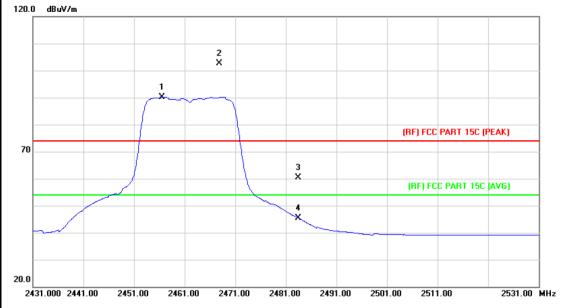


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	57.39	0.77	58.16	74.00	-15.84	peak
2		2390.000	44.55	0.77	45.32	54.00	-8.68	AVG
3	*	2407.400	90.49	0.85	91.34	Fundamental	Frequency	AVG
4	Χ	2410.320	103.80	0.85	104.65	Fundamental	Frequency	peak



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX N(HT20) Mode 2462MH	TX N(HT20) Mode 2462MHz				
Remark:	N/A					

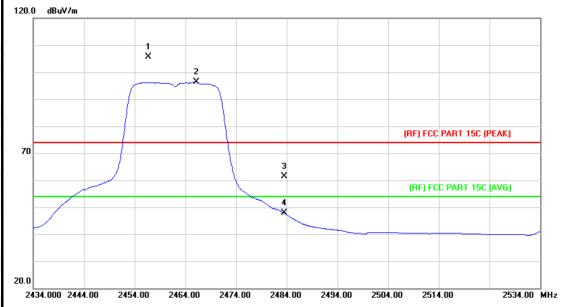


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2456.600	88.98	1.05	90.03	Fundamental F	requency }	AVG
2	Χ	2467.810	101.57	1.10	102.67	Fundamental	Frequency	peak
3		2483.500	59.20	1.17	60.37	74.00	-13.63	peak
4		2483.500	44.26	1.17	45.43	54.00	-8.57	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120/60Hz				
Ant. Pol.	Vertical				
Test Mode:	TX N(HT20) Mode 2462Ml	Hz			
Remark:	N/A				

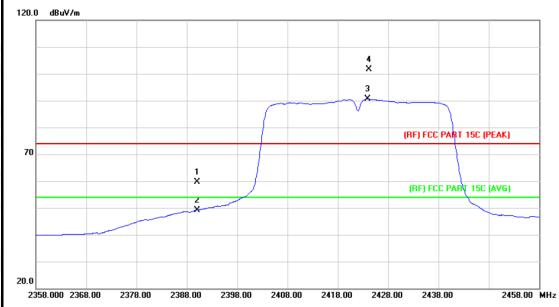


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2456.740	104.59	1.05	105.64	Fundamental	Frequency	peak
2	*	2466.200	95.30	1.09	96.39	Fundamental	Frequency	AVG
3		2483.500	60.17	1.17	61.34	74.00	-12.66	peak
4		2483.500	46.62	1.17	47.79	54.00	-6.21	AVG



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz	AC 120/60Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT40) Mode 2452N	ЛНz	2				
Remark:	N/A		73				
120.0 dBuV/m							

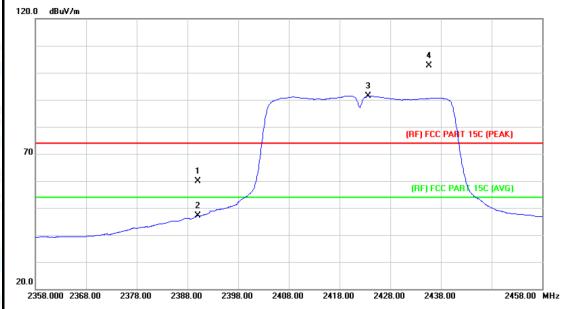


N	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	58.87	0.77	59.64	74.00	-14.36	peak
2		2390.000	48.48	0.77	49.25	54.00	-4.75	AVG
3	*	2423.900	89.61	0.92	90.53	Fundamental	Frequency	AVG
4	X	2424.160	100.72	0.93	101.65	Fundamental	Frequency	peak



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R					
Temperature:			55%					
Test Voltage:	AC 120/60Hz	10	1133					
Ant. Pol.	Ant. Pol. Vertical							
Test Mode:	TX N(HT40) Mode 2422MH	z	a William					
Remark:	N/A		13					
120.0 dBuV/m								

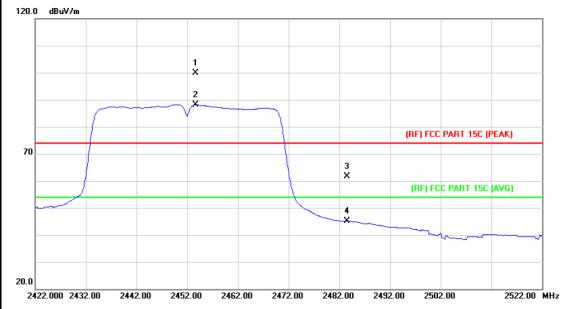


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	59.12	0.77	59.89	74.00	-14.11	peak
2		2390.000	46.28	0.77	47.05	54.00	-6.95	AVG
3	*	2423.700	90.51	0.91	91.42	Fundamental	Frequency	AVG
4	X	2435.610	101.67	0.97	102.64	Fundamental	Frequency	peak



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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz	0.0	Till				
Ant. Pol.	Ant. Pol. Horizontal						
Test Mode:	TX N(HT40) Mode 2452M	Hz	THE PARTY OF THE P				
Remark:	N/A		:13				
120.0 dBuV/m							

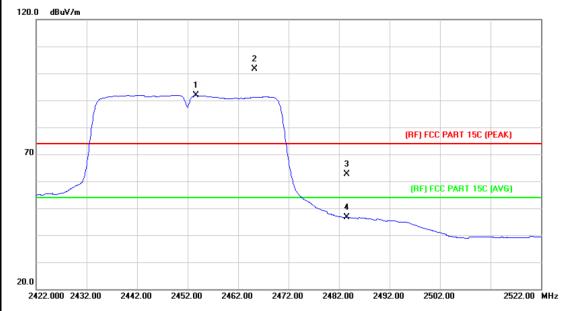


No	o. Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2453.640	98.81	1.04	99.85	Fundamental Frequency		peak
2	*	2453.700	87.17	1.04	88.21	Fundamental	Frequency	AVG
3		2483.500	60.47	1.17	61.64	74.00	-12.36	peak
4		2483.500	43.92	1.17	45.09	54.00	-8.91	AVG

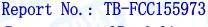


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EUT:BULLET CAMERAModel:XM-JPE2-2RTemperature:25 °CRelative Humidity:55%Test Voltage:AC 120/60HzAnt. Pol.VerticalTest Mode:TX N(HT40) Mode 2452MHz	BULLET CAMERA	Model:	XM-JPE2-2R
Test Voltage: AC 120/60Hz Ant. Pol. Vertical			
Ant. Pol. Vertical	<b>25</b> ℃	Relative Humidity:	55%
	AC 120/60Hz	31 - 6	U.S.
Test Mode: TX N(HT40) Mode 2452MHz	Ant. Pol. Vertical		
	TX N(HT40) Mode 2452MHz		
Remark: N/A	:35		
Remark:		AC 120/60Hz Vertical TX N(HT40) Mode 2452MF	AC 120/60Hz Vertical TX N(HT40) Mode 2452MHz



N	o. MI	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2453.700	90.84	1.04	91.88	Fundamental	Frequency	AVG
2	X	2465.310	100.58	1.09	101.67	Fundamental	Frequency	peak
3		2483.500	61.47	1.17	62.64	74.00	-11.36	peak
4		2483.500	45.50	1.17	46.67	54.00	-7.33	AVG

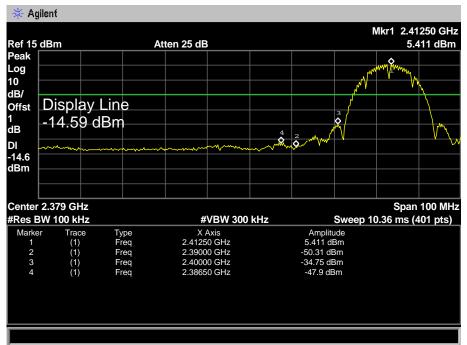


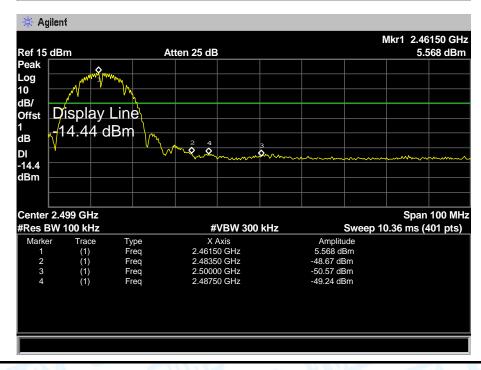


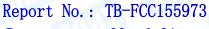
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## (2) Conducted Test

EUT:	BULLET CAMERA <b>Model</b> : XM-JPE2-2R		
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120/60Hz		
Test Mode:	TX B Mode 2412MHz / TX B Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		



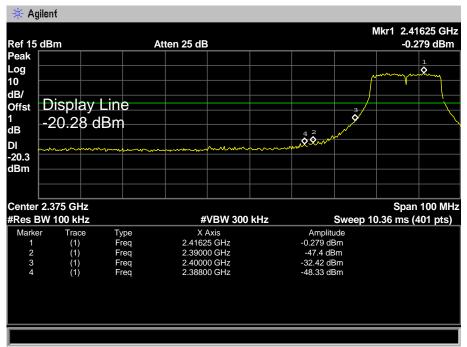


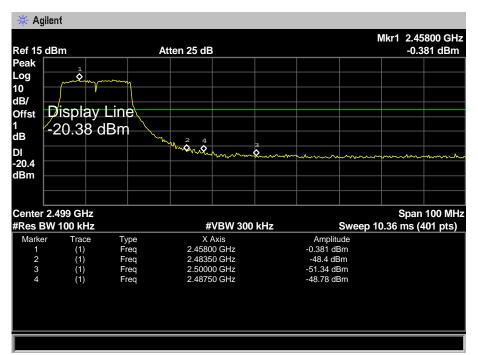


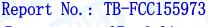


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EUT:	BULLET CAMERA	BULLET CAMERA <b>Model</b> : XM-JPE2-2R		
Temperature:	25 ℃	Relative Humidity: 55%		
Test Voltage:	AC 120/60Hz			
Test Mode:	TX G Mode 2412MHz / TX G Mode 2462MHz			
Remark:	The EUT is programed in continuously transmitting mode			



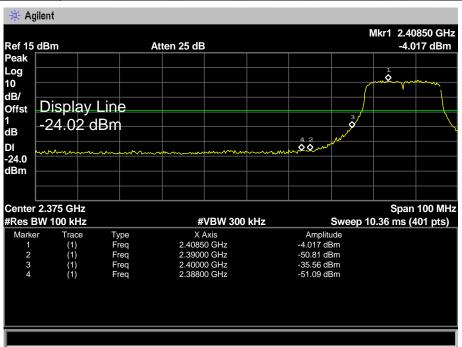


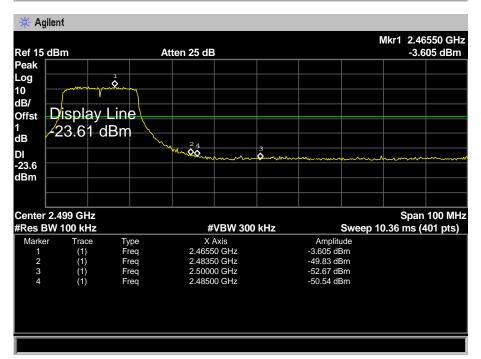


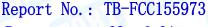


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EUT:	BULLET CAMERA Model: XM-JPE2-2R		
Temperature:	25 ℃ Relative Humidity: 55%		
Test Voltage:	AC 120/60Hz		
Test Mode:	TX N(HT20) Mode 2412MHz / TX N(HT20) Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		



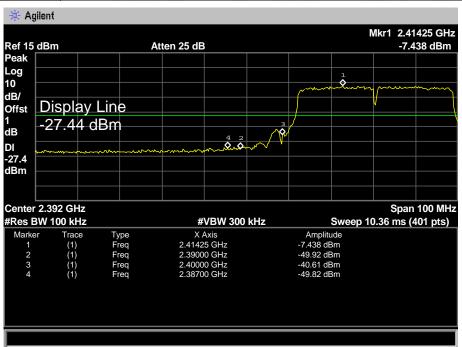


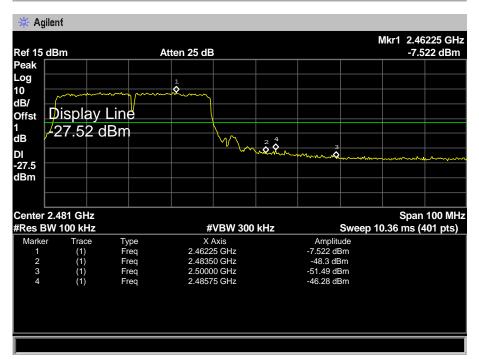




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EUT:	BULLET CAMERA Model: XM-JPE2-2R		
Temperature:	25 ℃ Relative Humidity: 55%		
Test Voltage:	AC 120/60Hz		
Test Mode:	TX N(HT40) Mode 2422MHz / TX N(HT40) Mode 2452MHz		
Remark:	The EUT is programed in continuously transmitting mode		







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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	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.



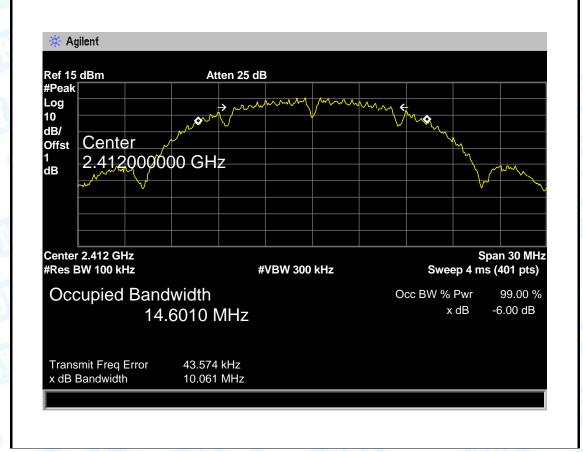
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## 7.5 Test Data

EUT:	BULLET CAMERA	Model:	XM-JPE2-2R
Temperature: 25 °C		Relative Humidity:	55%
Test Voltage: AC 120/60Hz			
Test Mode: TX 802.11B Mode		2 Dillian	0
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	10.061	14.6010	
2437	10.101	14.6150	>=0.5
2462	10.012	14.6339	

#### 802.11B Mode

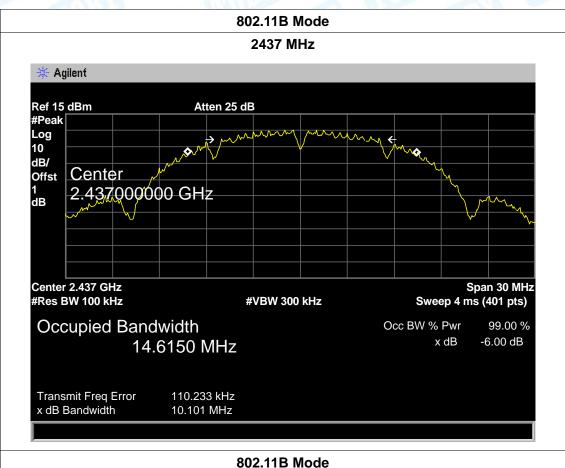
#### 2412 MHz





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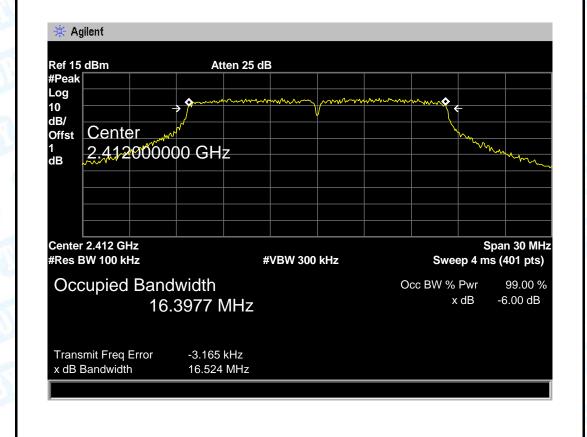
#### 2462 MHz 🔆 Agilent Atten 25 dB Ref 15 dBm #Peak Log MAL 10 dB/ Center Offst 2.462000000 GHz 1 dB Center 2.462 GHz Span 30 MHz #Res BW 100 kHz **#VBW 300 kHz** Sweep 4 ms (401 pts) Occupied Bandwidth Occ BW % Pwr 99.00 % -6.00 dB x dB 14.6339 MHz Transmit Freq Error 67.962 kHz x dB Bandwidth 10.012 MHz



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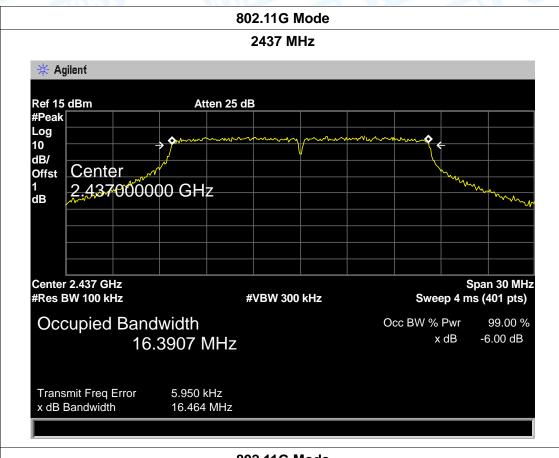
EUT:	BULLET CAMERA	Model:	XM-JPE2-2R
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage: AC 120/60Hz			133
Test Mode: TX 802.11G Mode		U	
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	16.524	16.3977	
2437	16.464	16.3907	>=0.5
2462	16.429	16.3749	
	10.723	10.07 10	

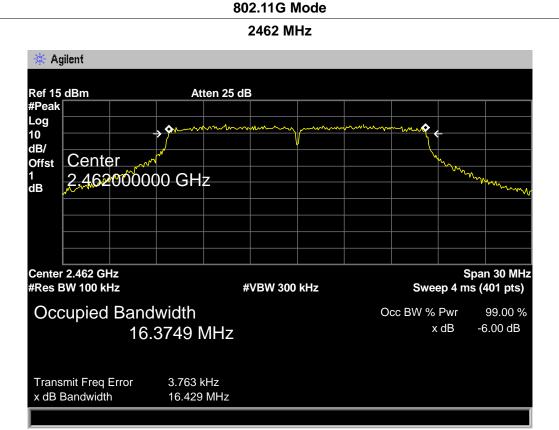
#### 2412 MHz





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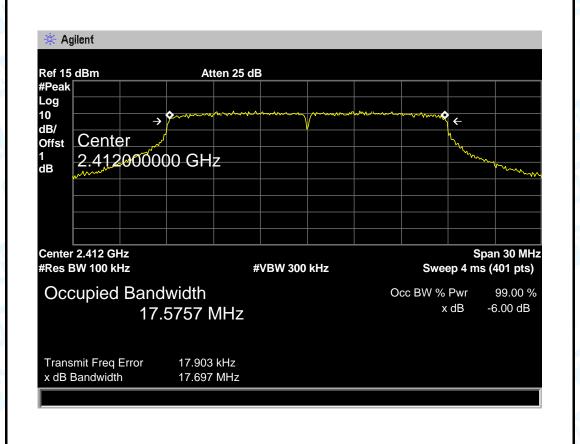






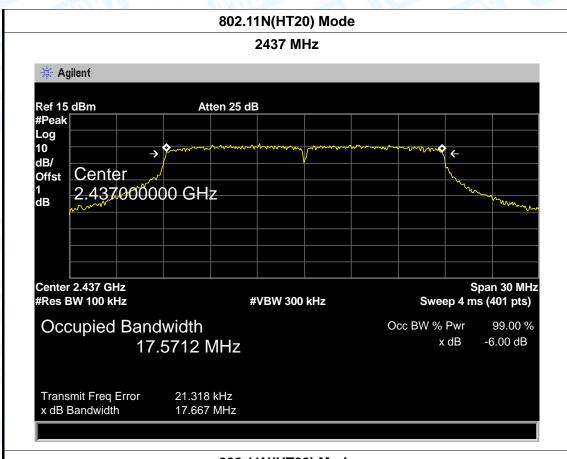
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EUT:	BULLET CAMERA	Model:	XM-JPE2-2R	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120/60Hz		133	
Test Mode:	Test Mode: TX 802.11N(HT20) Mode			
Channel frequence	Channel frequency 6dB Bandwidth 99% Bandwidth Limit			
(MHz)	(MHz)	(MHz)	(MHz)	
2412	17.697	17.5757		
2437	17.667	17.5712	>=0.5	
2462 17.665		17.5659		
802.11N(HT20) Mode				
2412 MHz				





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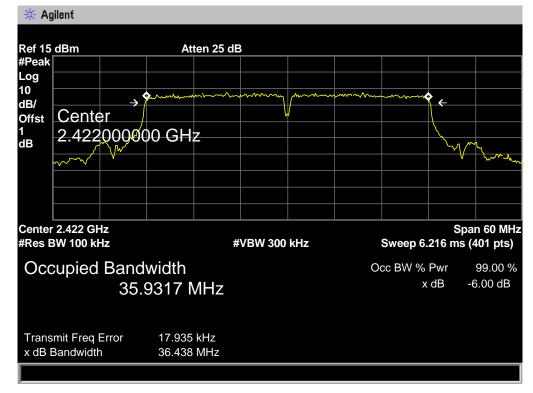


### 802.11N(HT20) Mode 2462 MHz * Agilent Ref 15 dBm Atten 25 dB #Peak Log 10 dB/ Center Offst 2.462000000 GHz 1 dB Center 2.462 GHz Span 30 MHz #Res BW 100 kHz **#VBW 300 kHz** Sweep 4 ms (401 pts) Occupied Bandwidth Occ BW % Pwr 99.00 % -6.00 dB x dB 17.5659 MHz Transmit Freq Error 12.239 kHz x dB Bandwidth 17.665 MHz



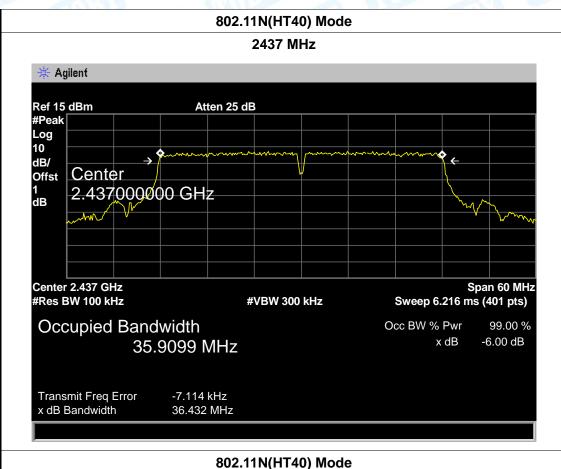
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Model:	XM-JPE2-2R
Relative Humidity:	55%
and a	10 W
33 - 61	11:33
99% Bandwidth	Limit
(MHz)	(MHz)
35.9317	
36.9099	>=0.5
36.8996	
0) Mode	
Hz	
_	





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### 2452 MHz 🔆 Agilent Ref 15 dBm Atten 25 dB #Peak Log 10 dB/ Center Offst 1 dB 2.452000000 GHz Center 2.452 GHz Span 60 MHz #Res BW 100 kHz Sweep 6.216 ms (401 pts) **#VBW 300 kHz** Occupied Bandwidth Occ BW % Pwr 99.00 % -6.00 dB x dB 35.8996 MHz Transmit Freq Error 36.511 kHz x dB Bandwidth 36.397 MHz



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# 8. Peak Output Power Test

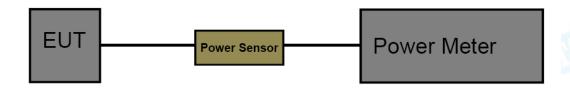
## 8.1 Test Standard and Limit

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(MH			
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 v04. 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

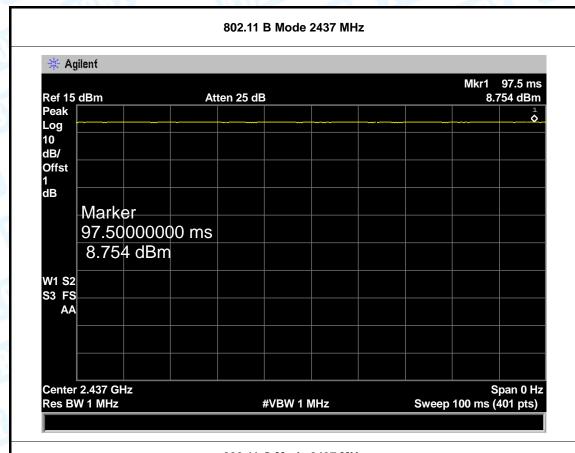
EUT:	BULLET CAMERA	Model:	XM-JPE2-2R	
Temperature:	25 ℃	Relative Humidity:		
Test Voltage:	AC 120/60Hz		Carrier S	
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)	
	2412	17.53		
802.11b	2437	17.46		
	2462	17.37		
802.11g	2412	17.13		
	2437	17.12		
	2462	17.18	30	
802.11n	2412	15.56	30	
(HT20)	2437	15.48		
(11120)	2462	15.62		
802.11n	2422	14.57		
(HT40)	2437	14.38		
(111-40)	2452	14.46		
	Resi	ult: PASS		

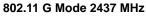
	Duty Cycle	
Mode	Channel frequency (MHz)	Test Result
	2412	
802.11b	2437	
	2462	
802.11g	2412	
	2437	
	2462	. 000/
	2412	>98%
802.11n (HT20)	2437	
(11120)	2462	
000 44	2422	
802.11n (HT40)	2437	
	2452	

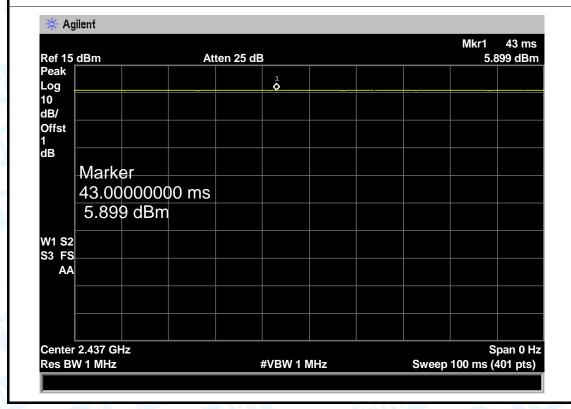


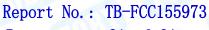


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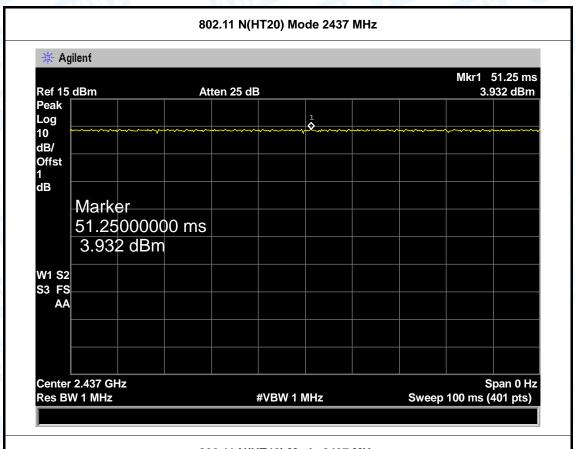


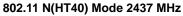


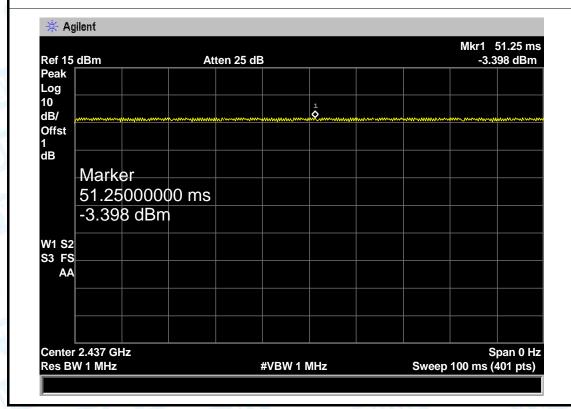




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# 9. Power Spectral Density Test

## 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 v04.

- (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.



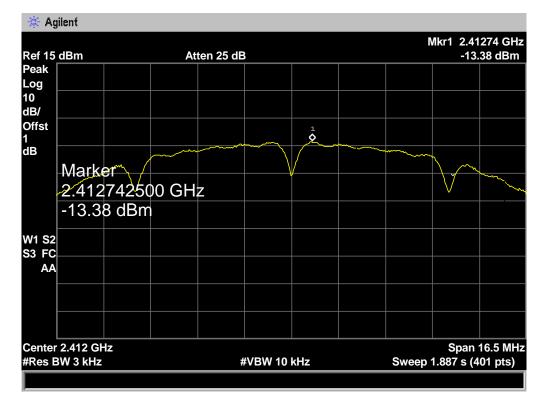
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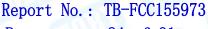
## 9.5 Test Data

EUT:	BULLET (	CAMERA	Model:	XM-JPE2-2R
Temperature:	25 ℃		Relative Humidity:	55%
Test Voltage:	AC 120/6	0/60Hz		
Test Mode:	TX 802.11	X 802.11B Mode		0
Channel Freq	uency	Power Density		Limit
(MHz)		(3 kHz/dBm)		(dBm)
2412	ļ	-13	.38	
2437		-13.44		8
2462		-13.48		

#### 802.11B Mode

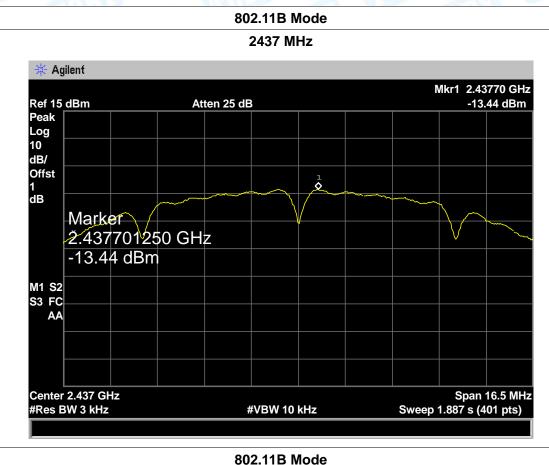
#### 2412 MHz

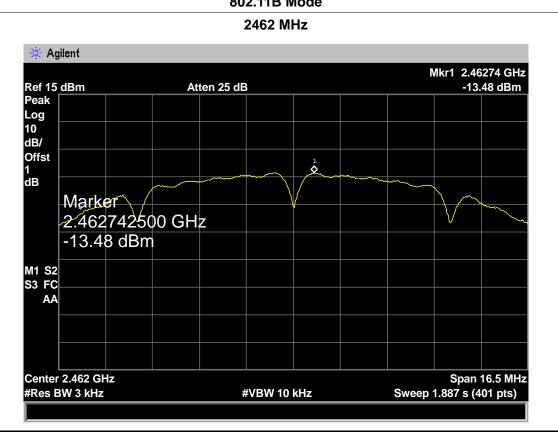






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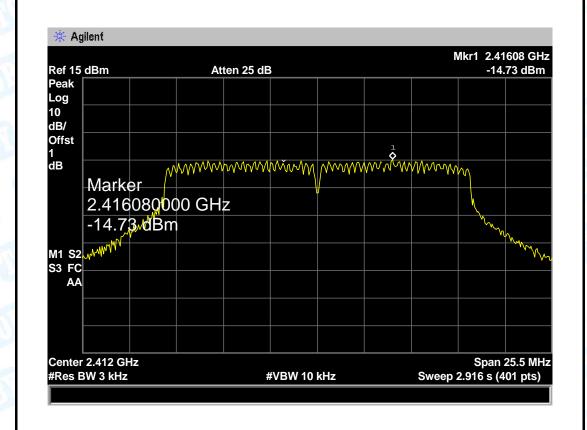


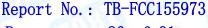


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EUT:	BULLET	CAMERA	Model:	XM-JPE2-2R
Temperature:	25 ℃	THE STATE OF	Temperature:	25 ℃
Test Voltage:	AC 120/6	AC 120/60Hz		
Test Mode:	TX 802.1	TX 802.11G Mode		
Channel Fred	luency	Power Dens	er Density Limit	
(MHz)		(3 kHz/dBı	dBm) (dBm)	
2412		-14.73		
2437		-15.20		8
2462		-14.82		
		802.11G Mc	ode	
		2/12 MU	7	

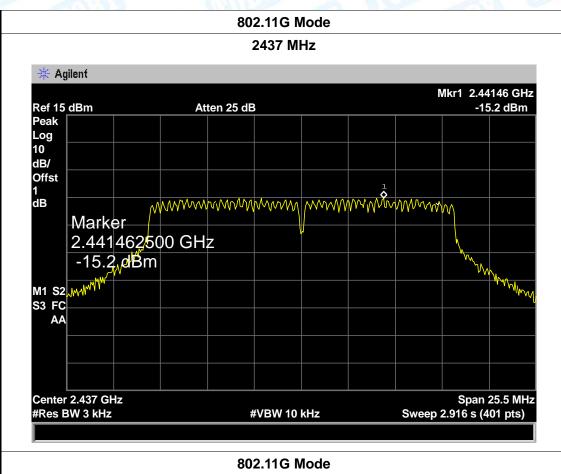








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2462 MHz 🛊 Agilent Mkr1 2.46767 GHz -14.82 dBm Atten 25 dB Ref 15 dBm Peak Log 10 dB/ Offst 1 dB  $\mathcal{W}^{\infty}$ Marker 2.467673750 GHz -14.82 dBm M1 S2 S3 FC AA Center 2.462 GHz Span 25.5 MHz #Res BW 3 kHz #VBW 10 kHz Sweep 2.916 s (401 pts)



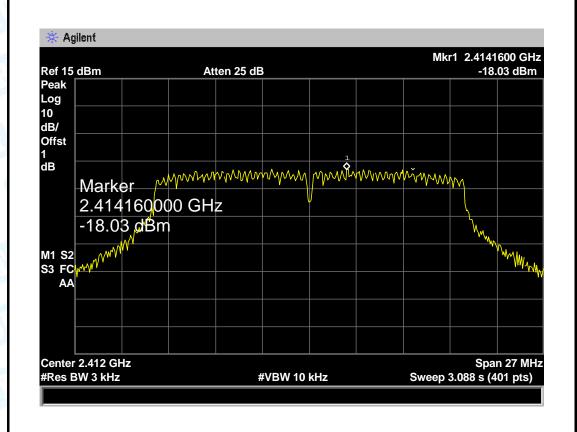
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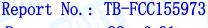
EUT:	BULLET CAMERA	Model:	XM-JPE2-2R
Temperature:	<b>25</b> ℃	Temperature:	25 ℃
Test Voltage:	AC 120/60Hz		
Test Mode:	TX 802 11N(HT20) Mode		

		The same of the sa
Channel Frequency	Power Density	Limit
(MHz)	(3 kHz/dBm)	(dBm)
2412	-18.03	
2437	-17.07	8
2462	-17.32	

## 802.11N(HT20) Mode

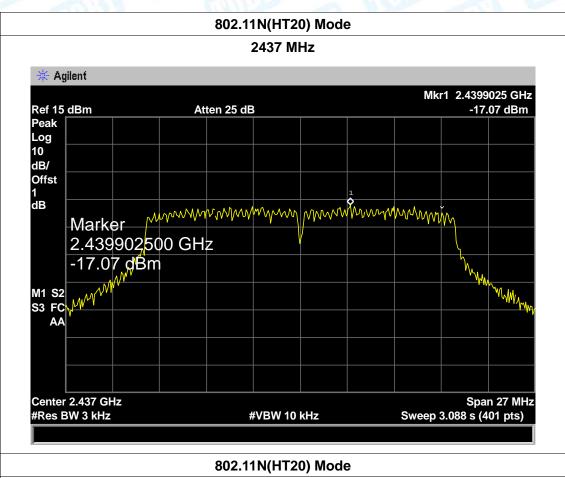
#### 2412 MHz

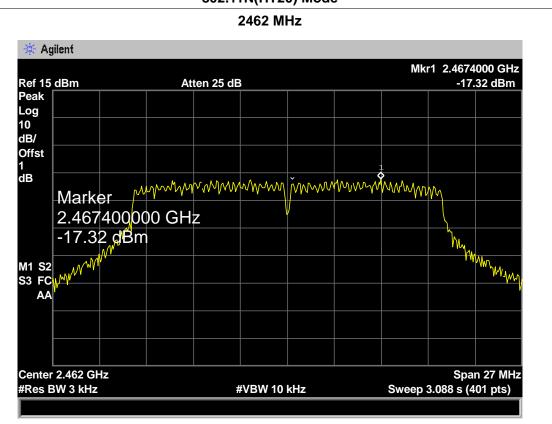






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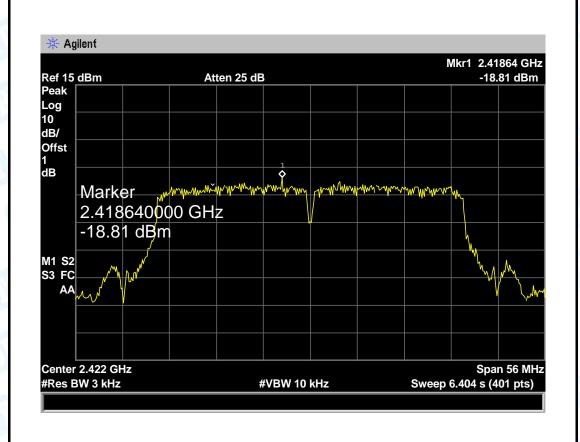
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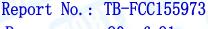
Channel Fraguency		Dawer D	anaitu.	l imais
Test Mode:	TX 802.11N(HT40) Mode			
Test Voltage:	AC 120/60Hz			
Temperature:	25 ℃		Temperatur	re: 25 ℃
EUT:	BULLET	CAMERA	Model:	XM-JPE2-2R

Channel Frequency	Power Density	Limit
(MHz)	(3 kHz/dBm)	(dBm)
2422	-18.81	
2437	-21.11	8
2452	-21.10	
	•	•

## 802.11N(HT40) Mode

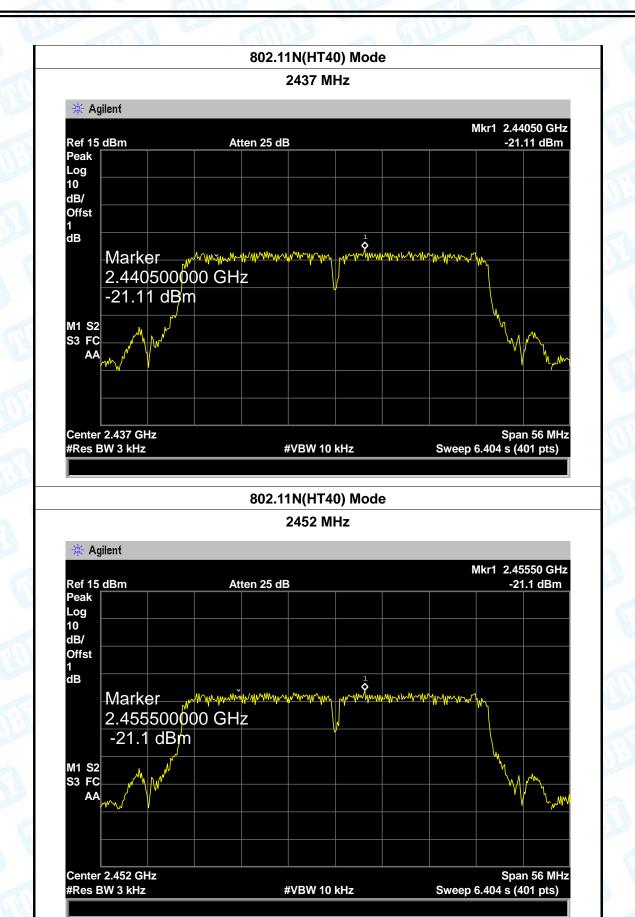
## 2422 MHz







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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 2dBi, 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 Dipole Antenna. It complies with the standard requirement.

Antenna Type	
33	□ Permanent attached antenna
ans.	☑ Unique connector antenna
Same I	□ Professional installation antenna

----END OF REPORT----