

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC149250

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FCC Radio Test Report FCC ID: 2AEP6XM-JPLB1S

Original Grant

Report No. TB-FCC149250

Applicant HangZhou XiongMai Technology CO., LTD

Equipment Under Test (EUT)

EUT Name Smart Panoramic Camera Bulb

Model No. XM-JPLB1S

Series No. XM-JPLB2S

Brand Name XM

2016-08-03 **Receipt Date**

2016-08-04 to 2016-08-14 **Test Date**

2016-08-15 **Issue Date**

Standards FCC Part 15, Subpart C (15.247:2015)

ANSI C63.10: 2013 **Test Method**

Conclusions **PASS**

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

The EUT technically complies with the FCC and IC requirements

Test/Witness Engineer

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

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 : No.2 Dong Qiao Road, Dongzhou Industrial, Fuyang District,

Hangzhou, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	1	Smart Panoramic Car	mera Bulb			
Models No.	•	XM-JPLB1S, XM-JPL	B2S			
Model Difference	:		All models are identical in the same PCB layout, interior structure and electrical circuits, The only difference is model name for commercial purpose.			
	1	Operation Frequency 802.11b/g/n(HT20): 2 802.11n(HT40): 2422	412MHz~2462MHz			
		Number of Channel:	802.11b/g/n(HT20):11 channels see note(3) 802.11n(HT40): 7 channels see note(3)			
Product Description	2	RF Output Power:	802.11b: 8.40 dBm 802.11g: 7.98 dBm 802.11n (HT20): 7.75 dBm 802.11n (HT40): 7.24 dBm			
Will a		Antenna Gain:	2 dBi Integral Antenna			
		Modulation Type:	802.11b:CCk,DQPSK,DBPSK; 802.11g:64-QAM,QPSK,BPSK 802.11n:64-QAM,16-QAM,QPSK,BPSK			
TODY		Bit Rate of 802.11b:11/5.5/2/1 Mbps Transmitter: 802.11g:54/48/36/24/18/12/9/6 Mbps 802.11n:up to 150Mbps				
Power Supply		AC Voltage supplied t	from power network.			
Power Rating	6	Input: AC 100~240V,5	50/60Hz			
Connecting I/O Port(S)		Please refer to the User's Manual				

Note:

(1) This Test Report is FCC Part 15.247 for 802.11b/g/n, the test procedure follows the FCC



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KDB 558074 D01 DTS Meas Guidance v03r05.

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

(3) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		

Note:CH 01~CH 11 for 802.11b/g/n(HT20)

CH 03~CH 09 for 802.11n(HT40)

- (4) The Antenna information about the equipment is provided by the applicant.
- 1.3 Block Diagram Showing the Configuration of System Tested

TX Mode



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	TX B Mode				

E 12 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
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 4	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.



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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
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:	
Conducted Emission	9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
Dedicted Emission	Level Accuracy:	. 4 CO 4D
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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1.7 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.



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2. Test Summary

	FCC Part	15 Subpart C(15.247)/ RSS 247	Issue 1		
Standa	rd Section	Tool How	Ialamata		
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

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. 20, 2016	Mar. 19, 2017
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar. 20, 2016	Mar. 19, 2017
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar. 19, 2016	Mar. 18, 2017
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar. 19, 2016	Mar. 18, 2017
Pre-amplifier	Sonoma	310N	185903	Mar. 20, 2016	Mar. 19, 2017
Pre-amplifier	HP	8447B	3008A00849	Mar. 26, 2016	Mar. 25, 2017
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar. 26, 2016	Mar. 25, 2017
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna C	Conducted Em	ission			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 22, 2016	Jul. 21, 2017
EMI Test Receiver	Rohde & Schwarz	ESCI	100010/007	Jul. 22, 2016	Jul. 21, 2017
Power Meter	Anritsu	ML2495A	25406005	Jul. 22, 2016	Jul. 21, 2017
Power Sensor	Anritsu	ML2411B	25406005	Jul. 22, 2016	Jul. 21, 2017



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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

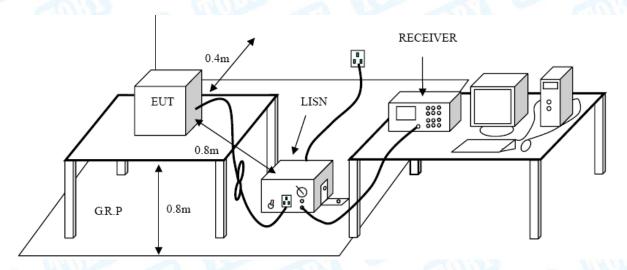
Conducted Emission Test Limit

Eroguanay	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: Smart Panoramic Camera Bulb		Model	Name :	XM-JPLB1S				
emperature:	25 ℃	25 ℃			e Humidity:	55%		
est Voltage:	AC 1	AC 120V/60Hz						
Terminal:	Line		AMA		1			
Test Mode:	ТХВ	Mode		CHIE		W. W.		
Remark:	Only	worse case	is reported		AND L			
80.0 dBuV					01001			
30	matherina	Mary Company of the Son	gramatik Vikir Marana wagaya Mil	apatraparan dalam ma		AVG: —		
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0 0.150	0.5		(MHz)	5		30.000		
No. Mk.	Freq.	Reading Level	Correct I	Measure- ment		Over		
	MHz	dBu∀	dB	dBu∀	dBuV	dB Detector		
1 * (0.1900	32.18	10.00	42.18	64.03 -21	1.85 QP		
	0.1900	16.26	10.00	26.26	54.03 -27	7.77 AVG		
	0.2860	23.02	10.02	33.04	60.64 -27			
	0.2860	11.82	10.02	21.84	50.64 -28			
	0.4140	11.81	10.02	21.83		5.74 QP		
	0.4140	5.95	10.02	15.97	47.57 -31			
	0.6419	10.03	10.09	20.12		5.88 QP		
	0.6419	5.51	10.09	15.60	46.00 -30			
	1.2980	9.88 5.29	10.06	19.94 15.35	56.00 -36 46.00 -30	0.65 AVG		
	3.2340	9.64	10.00	19.66	56.00 -36			
	3.2340	5.15	10.02	15.17	46.00 -30			
*:Maximum data x	:Over limit !	:over margin						





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UT:	Smart	Panoramic (Camera Bulb	Model N	ame :	XI	M-JPLB1S
emperature	: 25 ℃	THE STATE OF		Relative	Humidit	: y: 55	5%
est Voltage:	AC 12	0V/60Hz		3	In	177	
erminal:	Neutra	al	Alth		10		MAN STATE
est Mode:	TXBI	Mode		MILL			N. Carrie
Remark:	Only v	vorse case is	reported				
80.0 dBuV							
						QP: AVG:	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\							
~ \\	Max						
30	MWWW.	hadan handa Xan	, maring apprehistration of the second	- phopholythankankankan	Windows	A heraldy registration from the contract of th	Marrial De
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	, 0=1 \Q	and the state of t	that the second of the second	A STATE OF THE STA		and and the second seco	A
20							
0.150	0.5		(MHz)	5			30.000
		Reading	Correct	Measure-			
No. Mk.	Freq.	Level	Factor	ment	Limit	Over	
	MHz	dBuV	dB	dBu∀	dBu∀	dB	Detector
1 *	0.1860	30.42	9.99	40.41	64.21	-23.80	QP
2	0.1860	15.27	9.99	25.26	54.21	-28.95	AVG
3	0.2180	28.06	10.02	38.08	62.89	-24.81	QP
4	0.2180	12.07	10.02	22.09	52.89	-30.80	AVG
5	0.2779	21.34	10.02	31.36	60.88	-29.52	QP
6	0.2779	9.64	10.02	19.66	50.88	-31.22	AVG
7	0.3740	13.46	10.02	23.48	58.41	-34.93	QP
8	0.3740	6.53	10.02	16.55	48.41	-31.86	AVG
9	0.5260	9.93	10.03	19.96		-36.04	QP
10	0.5260	5.25	10.03	15.28		-30.72	AVG
11	1.0700	9.59	10.06	19.65		-36.35	QP
12	1.0700	5.09	10.06	15.15		-30.85	AVG
14	1.0700	5.03	10.00	10.10	40.00	50.05	7,70
	x:Over limit	!:over margin					





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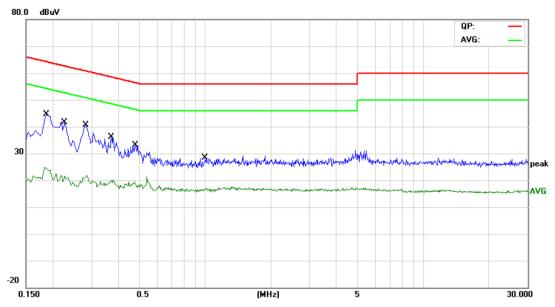
EUT:	Smart I	Panoramic (Camera Bulb	Model Na	ame :	XM-	JPLB1S
emperature:	25 ℃			Relative	Humidit	y: 55%	ó
est Voltage:	AC 240	V/60Hz			BILL	103	
erminal:	Line		Allin	TO VI	V		MILL
est Mode:	TXBM	lode		CHILL		al	N. Carrie
Remark:	Only w	orse case is	reported		CITI'S		_
80.0 dBuV							
30	MMM.	Madel margaret and the	ag pyllagy fraga distribute for want for facility for	and the design of the second	*	QP: AVG:	andrew Al
0.150	0.5	Reading		Measure-	Limit	Over	30.000
No. Mk.	Freq.	Level dBuV	Factor dB	ment dBuV	dBu∀	dB	Detector
1 * (0.1900	30.67	10.12	40.79		-23.24	QP
	0.1900	11.66	10.12	21.78		-32.25	AVG
	0.2819	25.30	10.12	35.39		-25.37	QP
	0.2819	8.78	10.09	18.87		-31.89	AVG
	0.4220	13.13	10.05	23.18		-34.23	QP
	0.4220	6.02	10.05	16.07		-31.34	AVG
	1.2059	9.83	10.14	19.97		-36.03	QP
	1.2059	5.32	10.14	15.46		-30.54	AVG
	5.2300	14.05	10.14	24.11		-35.89	QP
	5.2300	7.76	10.06	17.82		-32.18	AVG
	9.1059	11.53	10.06	21.66			
	9.1059	6.01	10.13	16.14		-38.34 -33.86	QP AVG
	:Over limit !:	over margin		10.11			7,40



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Pro-		10.00	
	MA	TD)	V
		D	
		Charles of the last	

EUT:	Smart Panoramic Camera Bulb	Model Name :	XM-JPLB1S
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 240V/60Hz		
Terminal:	Neutral		
Test Mode:	TX B Mode		A TOWN
Remark:	Only worse case is reported	WURT.	0
	•		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB	dBuV	dBu∨	dB	Detector
1	*	0.1860	27.70	9.99	37.69	64.21	-26.52	QP
2		0.1860	11.61	9.99	21.60	54.21	-32.61	AVG
3		0.2260	23.67	10.02	33.69	62.59	-28.90	QP
4		0.2260	9.58	10.02	19.60	52.59	-32.99	AVG
5		0.2819	23.94	10.02	33.96	60.76	-26.80	QP
6		0.2819	9.93	10.02	19.95	50.76	-30.81	AVG
7		0.3700	16.26	10.02	26.28	58.50	-32.22	QP
8		0.3700	7.96	10.02	17.98	48.50	-30.52	AVG
9		0.4780	13.94	10.02	23.96	56.37	-32.41	QP
10		0.4780	7.43	10.02	17.45	46.37	-28.92	AVG
11		0.9980	10.00	10.06	20.06	56.00	-35.94	QP
12		0.9980	5.42	10.06	15.48	46.00	-30.52	AVG

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



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

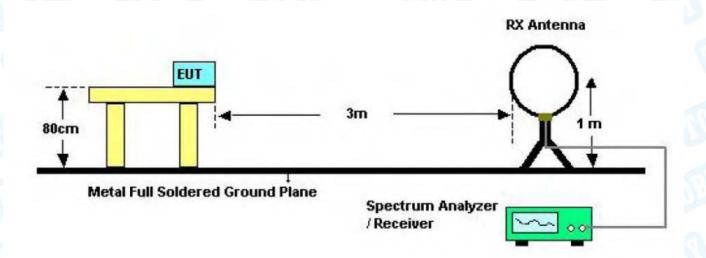
Note:

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

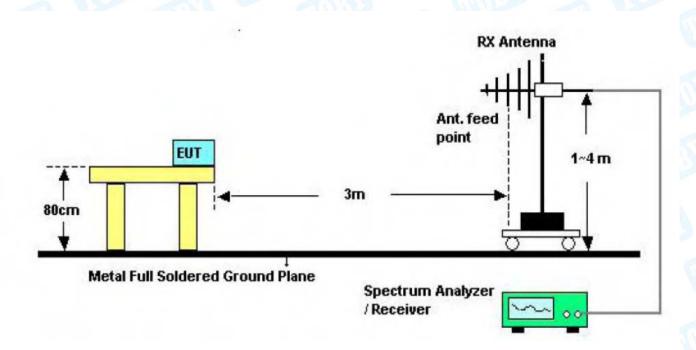


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5.2 Test Setup



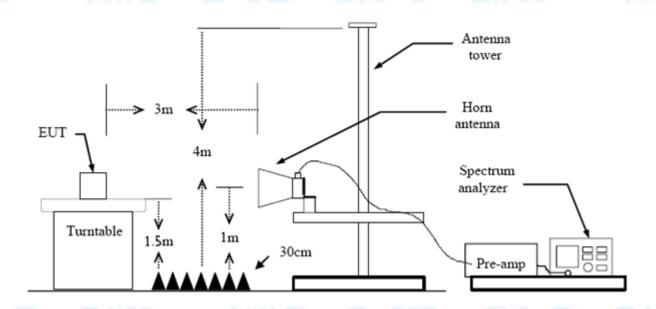
Below 30MHz Test Setup



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

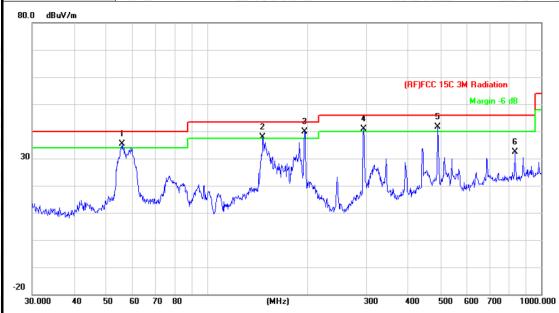
Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Test data please refer the following pages.



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2412MHz		
Remark:	Only worse case is reported	41187	



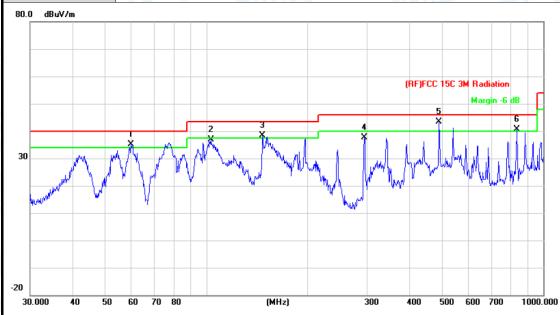
No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	İ	55.8046	59.85	-24.56	35.29	40.00	-4.71	peak
2	İ	146.8876	59.13	-21.25	37.88	43.50	-5.62	peak
3	*	195.8220	60.10	-20.22	39.88	43.50	-3.62	peak
4	İ	294.1136	57.59	-16.77	40.82	46.00	-5.18	peak
5	İ	490.7447	52.79	-11.16	41.63	46.00	-4.37	peak
6		833.3170	37.41	-5.12	32.29	46.00	-13.71	peak

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



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz		10				
Ant. Pol.	Vertical						
Test Mode:	TX B Mode 2412MHz	THE PARTY OF THE P	A Brown				
Remark:	Only worse case is reported	WILL THE	7 6				
80.0 dBuV/m							



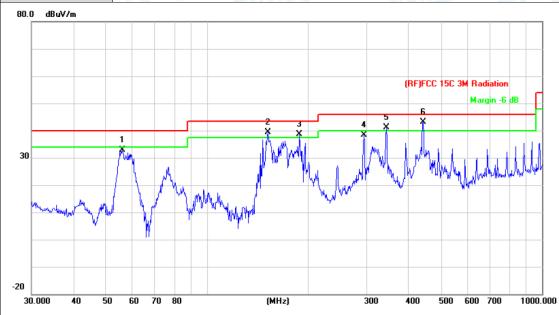
No	. Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	į	59.6492	59.84	-24.61	35.23	40.00	-4.77	peak
2		103.0799	58.65	-21.85	36.80	43.50	-6.70	peak
3	į	146.8876	59.62	-21.25	38.37	43.50	-5.13	peak
4		294.1136	54.43	-16.77	37.66	46.00	-8.34	peak
5	*	490.7447	54.55	-11.16	43.39	46.00	-2.61	peak
6	į	836.2441	45.78	-5.16	40.62	46.00	-5.38	peak

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



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		100
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2437MHz		P. P. Carrie
Remark:	Only worse case is reported	WILL THE	7 6
80.0 dRuV/m			



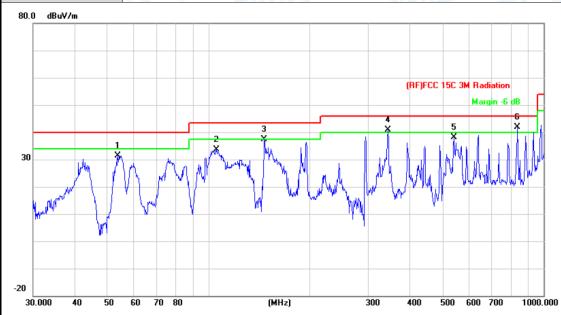
	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1			56.0007	57.51	-24.56	32.95	40.00	-7.05	peak
2	2	į	152.1297	60.19	-20.85	39.34	43.50	-4.16	peak
3	3	į	189.0742	59.16	-20.53	38.63	43.50	-4.87	peak
4	1		294.1136	55.10	-16.77	38.33	46.00	-7.67	peak
5	5	į	343.1800	55.75	-14.58	41.17	46.00	-4.83	peak
6	6	*	441.7425	55.26	-12.13	43.13	46.00	-2.87	peak

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



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	CIII)	
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2437MHz	William To	FILL
Remark:	Only worse case is reported	WURT.	~ 0



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		53.6931	55.93	-24.53	31.40	40.00	-8.60	peak
2		105.6414	55.61	-21.86	33.75	43.50	-9.75	peak
3		146.8876	58.57	-21.25	37.32	43.50	-6.18	peak
4	İ	343.1800	55.37	-14.58	40.79	46.00	-5.21	peak
5		541.3724	47.73	-9.53	38.20	46.00	-7.80	peak
6	*	836.2441	46.99	-5.16	41.83	46.00	-4.17	peak

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



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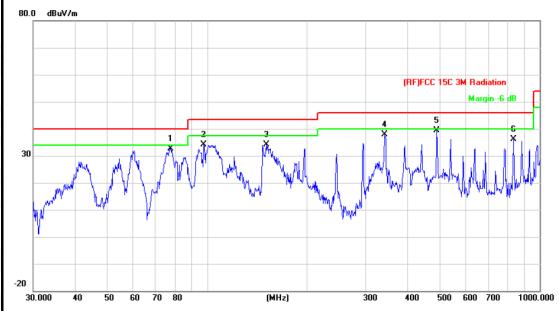
Prince of the same of the same	
$\mathbf{m} \mathbf{o} \mathbf{n} \mathbf{t}$	7
	-

EUT:	Smart	Panoramic	Camera Bulb	Model:		XM-JF	PLB1S
Temperature	e: 25 °C	TIME		Relative Humidity: 55%			
Test Voltage	: AC 12	0V/60Hz					
Ant. Pol.	Horizo	ntal	Marie				
Test Mode:	TXB	Mode 2462N	ИHz	MULL		187	La Company
Remark:	Only w	vorse case is	s reported		497		~ \
80.0 dBuV/m							
	1		2 3	(F	F)FCC 15C 3	3M Radiation Margin -6	
Manyly Wha	A COMPANY	Mu				hay Marken	h.inalle
manya	50 60 70		(MHz)		00 500	600 700	1000.00
-20 30.000 40	50 60 70	Reading	(MHz) Correct N	300 40 Measure-			1000.00
Managhay wha	50 60 70 Freq.	Reading Level	(MHz) Correct N Factor	³⁰⁰ ⁴⁰ Measure- ment Lir	nit (Over	
-20 30.000 40 No. Mk.	50 60 70 Freq. MHz	Reading Level	(MHz) Correct N Factor dB/m	/leasure- ment LindBuV/m dB	nit uV/m	Over dB	Detecto
-20 30.000 40 No. Mk.	50 60 70 Freq. MHz 55.8046	Reading Level dBuV 58.35	(MHz) Correct N Factor dB/m -24.56	//easure-ment LindBuV/m dB	nit (Over dB -6.21	Detecto peak
No. Mk.	Freq. MHz 55.8046 146.8874	Reading Level dBuV 58.35 57.13	Correct N Factor dB/m -24.56	7/easure- ment LindBuV/m dBu 33.79 40 35.88 43	nit (uV/m 0.00	Over dB -6.21 -7.62	Detecto peak peak
No. Mk.	Freq. MHz 55.8046 146.8874	Reading Level dBuV 58.35 57.13	(MHz) Correct No. Factor dB/m -24.56 -21.25 -20.22	300 40 Measurement Lind dBuV/m dBi 33.79 40 35.88 43 37.38 43	nit (uV/m 0.00 3.50	Over dB -6.21 -7.62 -6.12	Detecto peak peak peak
No. Mk.	Freq. MHz 55.8046 146.8874	Reading Level dBuV 58.35 57.13	Correct N Factor dB/m -24.56	300 40 Measurement Lind dBuV/m dBi 33.79 40 35.88 43 37.38 43	nit (uV/m 0.00 3.50	Over dB -6.21 -7.62	
No. Mk.	Freq. MHz 55.8046 146.8874	Reading Level dBuV 58.35 57.13	(MHz) Correct No. Factor dB/m -24.56 -21.25 -20.22	300 40 Measurement Lind dBuV/m dBi 33.79 40 35.88 43 37.38 43 38.82 46	nit (0.00).00 (3.50).50 (3.00)	Over dB -6.21 -7.62 -6.12	Detecto peak peak peak



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Vertical					
Test Mode:	TX B Mode 2462MHz		F. Commercial			
Remark:	k: Only worse case is reported					



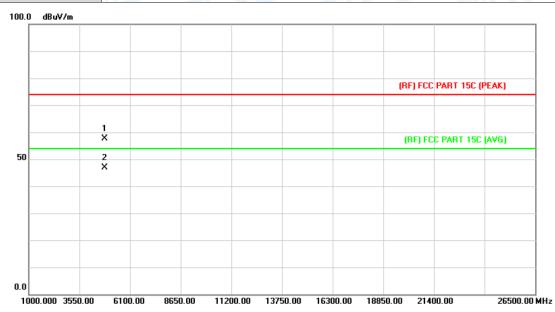
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		77.5926	56.01	-23.42	32.59	40.00	-7.41	peak
2		97.7980	56.24	-22.04	34.20	43.50	-9.30	peak
3		150.5378	54.96	-20.95	34.01	43.50	-9.49	peak
4		341.9786	52.59	-14.65	37.94	46.00	-8.06	peak
5	*	490.7447	50.55	-11.16	39.39	46.00	-6.61	peak
6		836.2441	41.28	-5.16	36.12	46.00	-9.88	peak

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



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	illim	13
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2412MHz	CHUP TO	A Trans
Remark:	No report for the emission which r limit.	more than 10 dB below	the prescribed

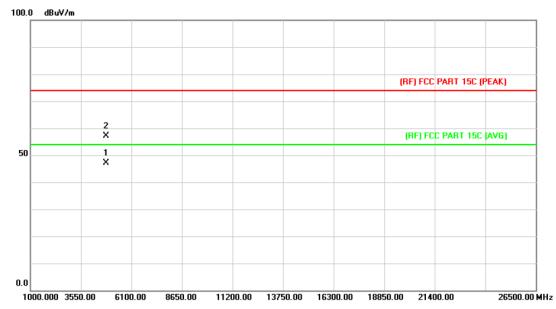


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.997	44.12	13.56	57.68	74.00	-16.32	peak
2	*	4824.120	33.31	13.56	46.87	54.00	-7.13	AVG



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	0100				
Ant. Pol.	Vertical					
Test Mode:	TX B Mode 2412MHz		A TOWN			
Remark:	No report for the emission which	No report for the emission which more than 10 dB below the				
	prescribed limit.					

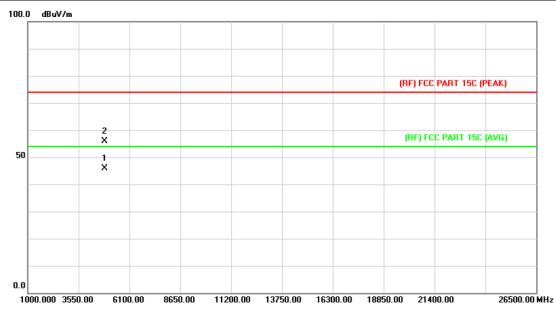


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.897	33.50	13.56	47.06	54.00	-6.94	AVG
2		4824.652	43.66	13.56	57.22	74.00	-16.78	peak



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	(10)				
Ant. Pol.	Horizontal					
Test Mode:	TX B Mode 2437MHz	The same	A DOWN			
Remark:	No report for the emission which	No report for the emission which more than 10 dB below the				
	prescribed limit.					

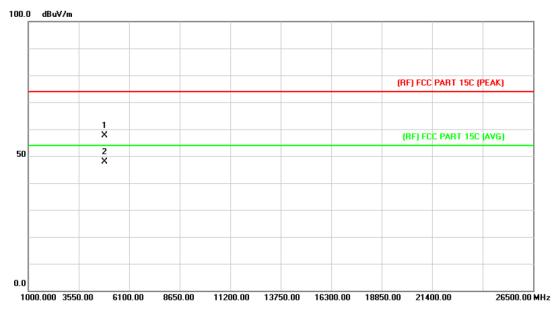


N	o. Mk	. Freq.			Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.984	32.12	13.86	45.98	54.00	-8.02	AVG
2		4874.612	42.12	13.86	55.98	74.00	-18.02	peak



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S			
Temperature:	25 ℃ Relative Humidity: 55%					
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical					
Test Mode:	TX B Mode 2437MHz	TUIL TO	FROM			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

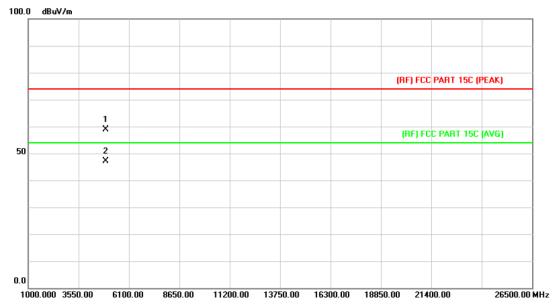


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.584	43.83	13.86	57.69	74.00	-16.31	peak
2	*	4874.672	34.01	13.86	47.87	54.00	-6.13	AVG



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S			
Temperature:	25 °C Relative Humidity: 55%					
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX B Mode 2462MHz	TURE TO	FILL			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

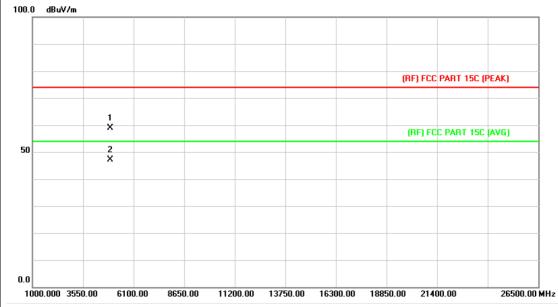


	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1			4924.674	44.82	14.15	58.97	74.00	-15.03	peak
2		*	4924.674	32.87	14.15	47.02	54.00	-6.98	AVG



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S				
Temperature:	25 °C Relative Humidity: 55%						
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical						
Test Mode:	TX B Mode 2462MHz	TULE TO THE	FIGURE				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

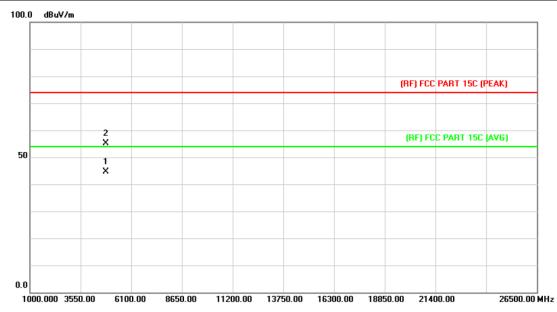


N	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.687	44.83	14.15	58.98	74.00	-15.02	peak
2	*	4924.367	33.06	14.15	47.21	54.00	-6.79	AVG



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX G Mode 2412MHz	THE PARTY OF THE P	A Day			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

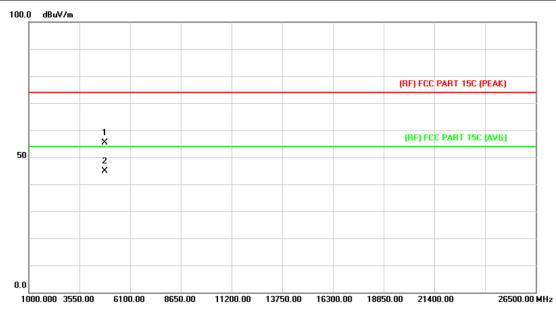


1	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4823.687	31.11	13.56	44.67	54.00	-9.33	AVG
2			4824.556	41.52	13.56	55.08	74.00	-18.92	peak



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S			
Temperature:	25 ℃ Relative Humidity: 55%					
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical					
Test Mode:	TX G Mode 2412MHz	TUIL TO	P. N. Carrier			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

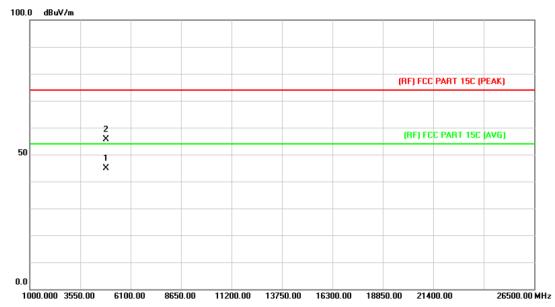


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.654	41.90	13.56	55.46	74.00	-18.54	peak
2	*	4824.622	31.21	13.56	44.77	54.00	-9.23	AVG



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S				
Temperature:	25 ℃ Relative Humidity: 55%						
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal						
Test Mode:	TX G Mode 2437MHz	William To	FILL				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

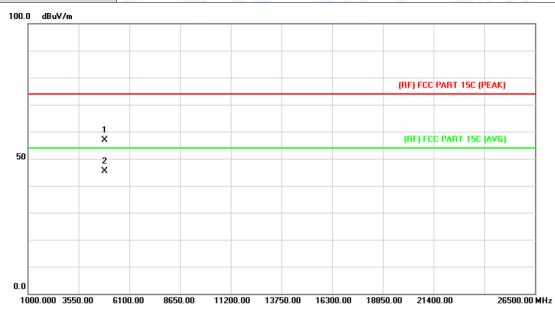


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.610	31.11	13.86	44.97	54.00	-9.03	AVG
2		4874.364	41.81	13.86	55.67	74.00	-18.33	peak



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EUT:	Smart Panoramic Camera Bulb	Smart Panoramic Camera Bulb Model: XM-					
Temperature:	25 ℃	Relative Humidity: 55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical						
Test Mode:	TX G Mode 2437MHz	TUP TO	FILL				
Remark:	No report for the emission which	No report for the emission which more than 10 dB below the					
	prescribed limit.						

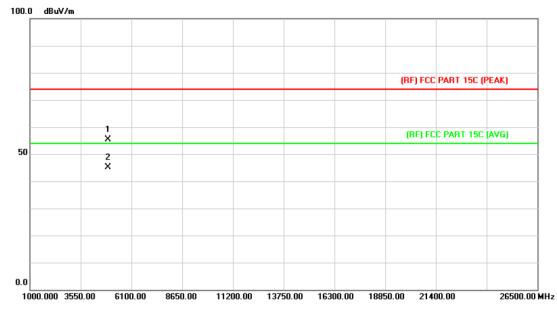


N	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.654	43.01	13.86	56.87	74.00	-17.13	peak
2	*	4874.032	31.51	13.86	45.37	54.00	-8.63	AVG



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EUT:	Smart Panoramic Camera Bulb	mart Panoramic Camera Bulb Model: X					
Temperature:	25 ℃	Relative Humidity: 55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal		Comment of the Commen				
Test Mode:	TX G Mode 2462MHz	TUP TO	FILL				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						



No	. Mk	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.608	41.34	14.15	55.49	74.00	-18.51	peak
2	*	4923.987	30.93	14.15	45.08	54.00	-8.92	AVG



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EUT:	Smart Panoramic Camera Bulb	Panoramic Camera Bulb Model: XM					
Temperature:	25 ℃	°C Relative Humidity: 55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical						
Test Mode:	TX G Mode 2462MHz	TUIL TO	F. B.				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						

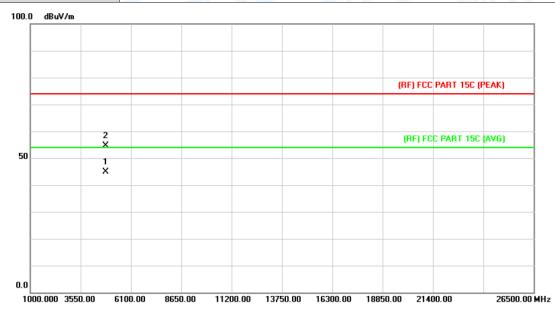


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.574	41.19	14.15	55.34	74.00	-18.66	peak
2	*	4923.621	30.89	14.15	45.04	54.00	-8.96	AVG



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

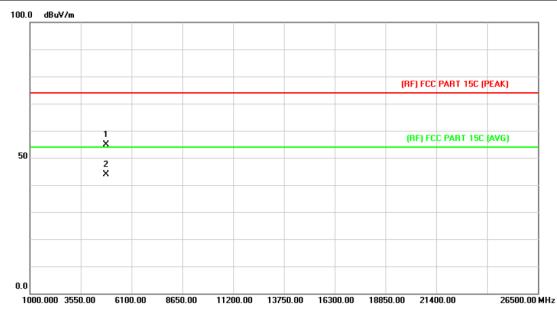


No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.341	31.42	13.56	44.98	54.00	-9.02	AVG
2		4824.351	41.11	13.56	54.67	74.00	-19.33	peak



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EUT:	Smart Panoramic Camera Bulb Model: XM-JP						
Temperature:	25 °C Relative Humidity: 55%						
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical						
Test Mode:	TX N(HT20) Mode 2412MHz	TURE TO	FILL				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

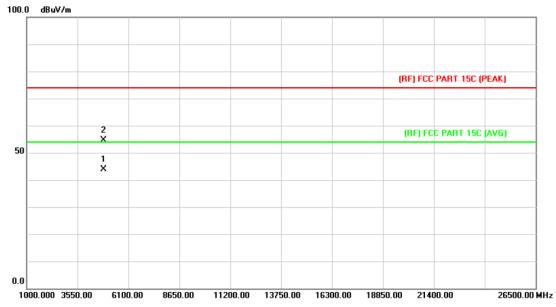


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.684	41.43	13.56	54.99	74.00	-19.01	peak
2	*	4824.671	30.41	13.56	43.97	54.00	-10.03	AVG



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S			
Temperature:	25 ℃	25 ℃ Relative Humidity:				
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX N(HT20) Mode 2437MHz					
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

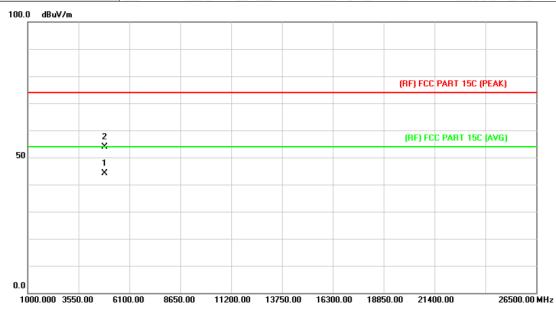


1	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4873.985	30.01	13.86	43.87	54.00	-10.13	AVG
2			4874.025	40.76	13.86	54.62	74.00	-19.38	peak



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EUT:	Smart Panoramic Camera Bulb	XM-JPLB1S				
Temperature:	25 ℃	Relative Humidity: 55%				
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT20) Mode 2437MHz	TUP TO	File			
Remark:	No report for the emission which	No report for the emission which more than 10 dB below the				
	prescribed limit.					

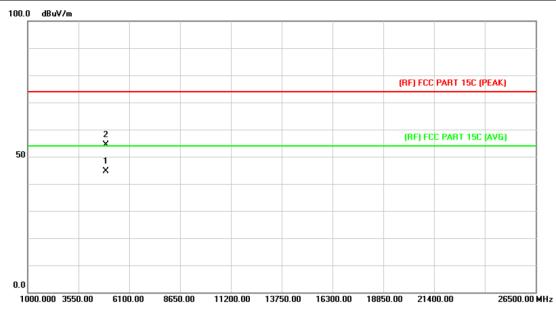


1	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4873.608	30.35	13.86	44.21	54.00	-9.79	AVG
2			4874.084	40.13	13.86	53.99	74.00	-20.01	peak



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EUT:	Smart Panoramic Camera Bulb	rt Panoramic Camera Bulb Model: XM-JPLB				
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX N(HT20) Mode 2462MHz	THE PARTY OF THE P	A Day			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

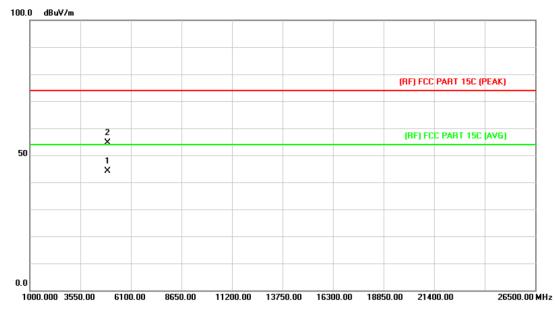


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.854	30.44	14.15	44.59	54.00	-9.41	AVG
2		4924.314	40.22	14.15	54.37	74.00	-19.63	peak



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S				
Temperature:	25 ℃	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical						
Test Mode:	TX N(HT20) Mode 2462MHz	TUP TO	A. D. C.				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

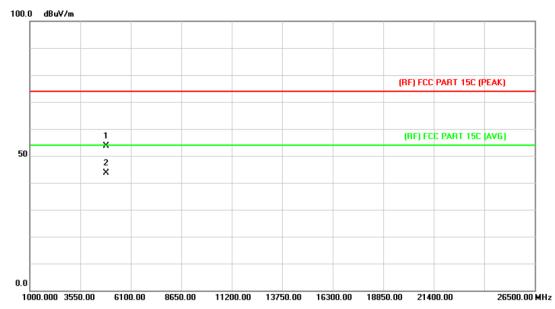


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.874	29.91	14.15	44.06	54.00	-9.94	AVG
2		4924.084	40.53	14.15	54.68	74.00	-19.32	peak



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EUT:	Smart Panoramic Camera Bulb	Smart Panoramic Camera Bulb Model: XN					
Temperature:	25 ℃	5 °C Relative Humidity: 55					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT40) Mode 2422MHz		Alle				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

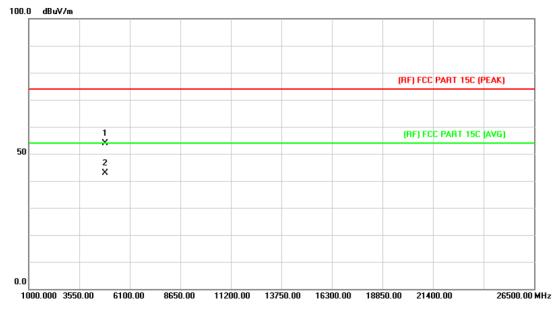


No	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4844.054	40.00	13.68	53.68	74.00	-20.32	peak
2	*	4844.321	29.90	13.68	43.58	54.00	-10.42	AVG



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EUT:	Smart Panoramic Camera Bulb	XM-JPLB1S					
Temperature:	25 ℃	25 ℃ Relative Humidity: 55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical						
Test Mode:	TX N(HT40) Mode 2422MHz	TUP TO	A DO				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

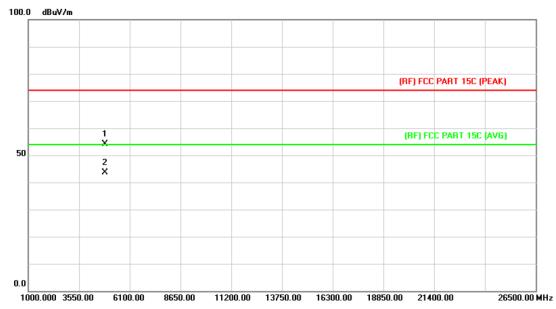


No	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4843.956	40.19	13.68	53.87	74.00	-20.13	peak
2	*	4844.041	29.30	13.68	42.98	54.00	-11.02	AVG



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EUT:	Smart Panoramic Camera Bulb	nart Panoramic Camera Bulb Model: XM-JF				
Temperature:	25 ℃	Relative Humidity: 55%				
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX N(HT40) Mode 2437MHz	TUP TO	File			
Remark:	No report for the emission which	No report for the emission which more than 10 dB below the				
	prescribed limit.					

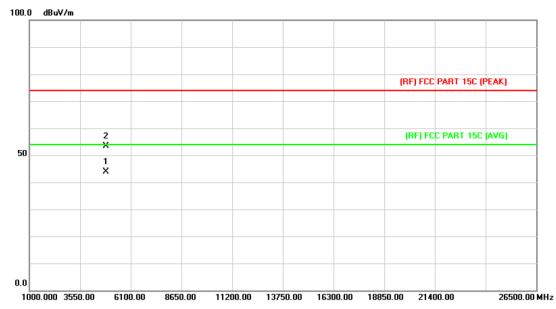


No	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.984	40.16	13.86	54.02	74.00	-19.98	peak
2	*	4874.521	29.71	13.86	43.57	54.00	-10.43	AVG



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Smart Panoramic Camera Bulb	XM-JPLB1S				
25 °C Relative Humidity: 55%					
AC 120V/60Hz					
Vertical					
TX N(HT40) Mode 2437MHz	TURE TO	A DO			
No report for the emission which more than 10 dB below the					
prescribed limit.		11111			
	25 °C AC 120V/60Hz Vertical TX N(HT40) Mode 2437MHz No report for the emission which	25 °C Relative Humidity: AC 120V/60Hz Vertical TX N(HT40) Mode 2437MHz No report for the emission which more than 10 dB below			

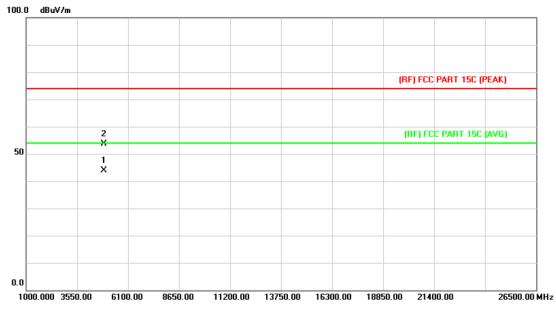


N	o. Mk	. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.645	30.02	13.86	43.88	54.00	-10.12	AVG
2		4873.691	39.59	13.86	53.45	74.00	-20.55	peak



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S				
Temperature:	25 ℃	25 ℃ Relative Humidity: 55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal		(C)				
Test Mode:	TX N(HT40) Mode 2452MHz	THE PARTY OF THE P	A Trans				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						

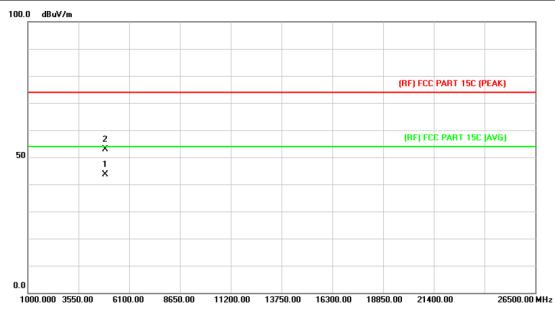


No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4903.574	29.84	14.03	43.87	54.00	-10.13	AVG
2		4904.751	39.56	14.03	53.59	74.00	-20.41	peak



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S				
Temperature:	25 ℃	Relative Humidity: 55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical						
Test Mode:	TX N(HT40) Mode 2452MHz	TUP TO	FILL				
Remark:	No report for the emission which	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		*	4903.841	29.65	14.03	43.68	54.00	-10.32	AVG
2			4904.795	38.93	14.03	52.96	74.00	-21.04	peak



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6. Restricted Bands Requirement

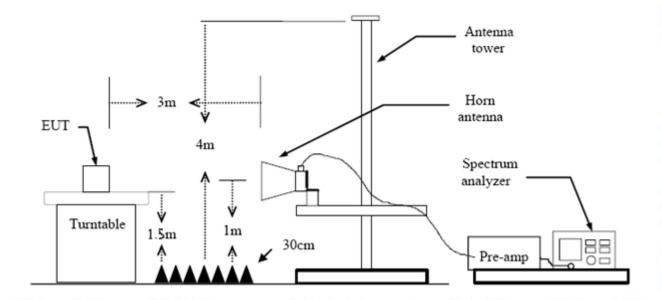
6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.209 FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Class B (dB	BuV/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

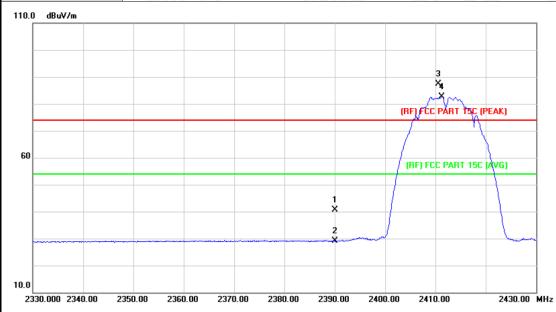
Please see the next page.



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(1) Radiation Test

EUT:	Smart Panoramic Camera Bulb Model:		XM-JPLB1S
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		CALL STATE
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2412MHz		
Remark:	N/A		

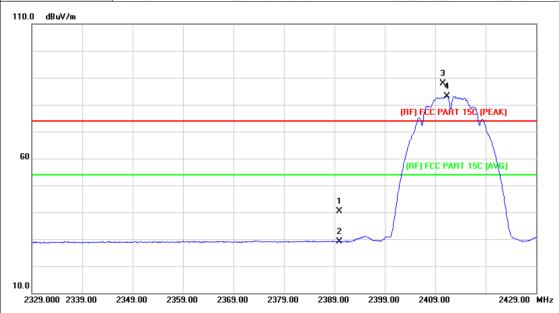


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	39.91	0.77	40.68	74.00	-33.32	peak
2		2390.000	28.31	0.77	29.08	54.00	-24.92	AVG
3	Χ	2410.600	86.51	0.86	87.37	Fundamental	Frequency	peak
4	*	2411.300	81.81	0.86	82.67	Fundamental	Frequency	AVG



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EUT:	Smart Panoramic Camera Bulb	XM-JPLB1S					
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical						
Test Mode:	TX B Mode 2412MHz		S. S. C.				
Remark:	N/A	MAN STATE					
I							

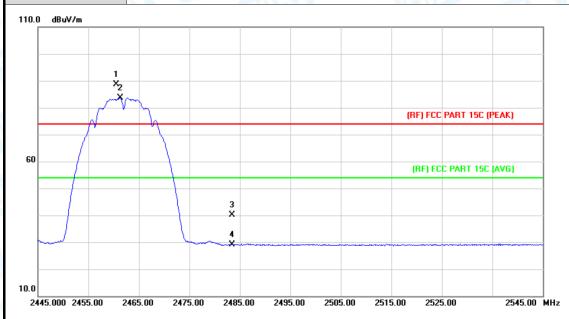


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	39.69	0.77	40.46	74.00	-33.54	peak
2		2390.000	28.36	0.77	29.13	54.00	-24.87	AVG
3	X	2410.600	87.14	0.86	88.00	Fundamenta	Frequency	peak
4	*	2411.300	82.30	0.86	83.16	Fundamental	Frequency	AVG



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Horizontal							
Test Mode:	TX B Mode 2462MHz	TX B Mode 2462MHz						
Remark:	N/A		_ 0					

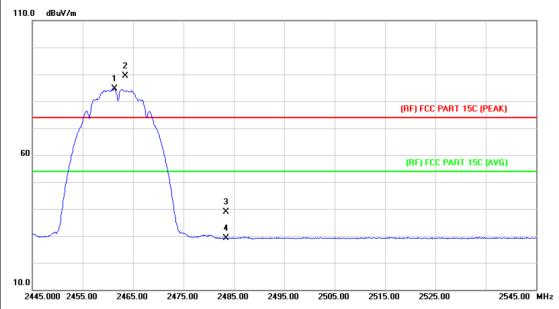


N	lo. M	k. Fre	eq.	Reading Level	Correct Factor		Limit	Over	
		MH	Z	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2460.	500	87.56	1.06	88.62	Fundament	al Frequency	peak
2	*	2461.	300	82.64	1.07	83.71	Fundament	al Frequency	AVG
3		2483.	500	38.94	1.17	40.11	74.00	-33.89	peak
4		2483.	500	27.97	1.17	29.14	54.00	-24.86	AVG



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical					
Test Mode:	TX B Mode 2462MHz		F. B. Car			
Remark:	N/A		1			



No	o. Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2461.300	83.52	1.07	84.59	Fundamental	Frequency	AVG
2	X	2463.400	88.25	1.08	89.33	Fundamenta	l Frequency	peak
3		2483.500	37.67	1.17	38.84	74.00	-35.16	peak
4		2483.500	27.97	1.17	29.14	54.00	-24.86	AVG



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EUT:			Sma	rt Pano	orami	ic Camer	a Bulb	Mod	el:		ΧN	/I-JPL	B15
empe	eratu	re:	25 °C					Rela	tive Hu	ımidit	y : 55	%	
est V	oltag	e:	AC 1	20V/6	0Hz			. 40					Ą
nt. P	ol.		Horiz	ontal		I HA	A STATE OF THE PARTY OF THE PAR						
est N	lode:		TX G	Mode	241	2MHz	_ (MI			A B	A. Car	
Rema	rk:		N/A	167					65		2		1
110.0 0	lBuV/m												_
											_		
											4 ×		
									3 (RF) FCC PAMT-15C (P EAK)				-
60													
-									1 0	RF) FCC P	ART 15C (A	VG)	-
								1					
								X 2					
								×					-
													-
0.0	100 234	0.00 2	350.00	2360.00	227	70.00 2380	100 220	90.00	2400.00	2410.00	<u> </u>	2430.00	
No.	Mk.	Fre	eq.	Read Lev	_	Corre Facto		asure nent		nit	Over		
		MH	Ηz	dBı	ı۷	dB/m	d	BuV/m	dB	uV/m	dB	Det	ecto
1		2390.	000	39.	18	0.77	3	9.95	74	1.00	-34.0	5 p	eak
1		2390. 2390.		39. 29.		0.77 0.77		9.95 80.45		1.00	-34.0 -23.5		eak VG
1 2 3	*		000		68		3		54	1.00		5 A	



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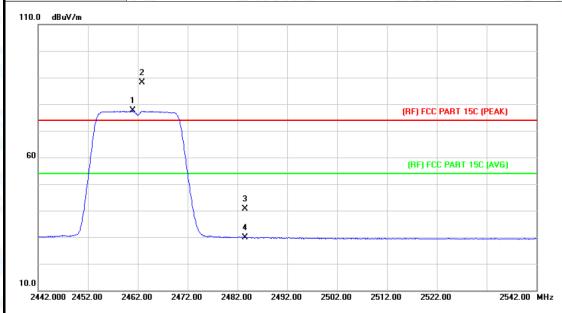


EUT:			mart P	anorami	ic Camera	Bulb	Mode	l:		XM-	(M-JPLB1S	
Temp	perature	: 25	5 ℃	671	90		Relati	ve Humi	idity:	55%		-
Test	Voltage:	A	C 120\	//60Hz		A SET						4
Ant.	Pol.	Ve	Vertical									
Гest	Mode:	T	X G Mo	ode 241	2MHz	_ (MIL		-	167	No.	
Rem	ark:	N	/A	1				CITA I	1900			
110.0	dBuV/m											_
60							1 x 2 x			15C (PEAK		
10.0												
233	30.000 2340.0				70.00 2380		30.00 2	400.00 24				
	o. Mk.	Freq.		eading evel	Correct Facto		asure- nent		C)ver		
		Freq.	L		Correc Facto	or n	asure-)ver	Dete	cto
	o. Mk.		L	evel	Correc	or n	asure- nent	Limit	m		Dete	
	o. Mk. 2	MHz	0 4	d BuV	Correct Factor	or n dl 4	asure- nent BuV/m	Limit dBuV/	m 0 -3	dB		ak
No 1	o. Mk. 2 2	MHz 390.00	0 4 0 2	dBuV 40.13	Correct Factor dB/m 0.77	or n dl 4	asure- nent BuV/m 0.90	Limit dBuV/	m 0 -3 0 -4	dB 33.10 43.62	ре	ak



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EUT:	UT: Smart Panoramic Camera Bulb		XM-JPLB1S			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX G Mode 2462MHz	TUP TO	A DO			
Remark:	N/A	WURT.	0			

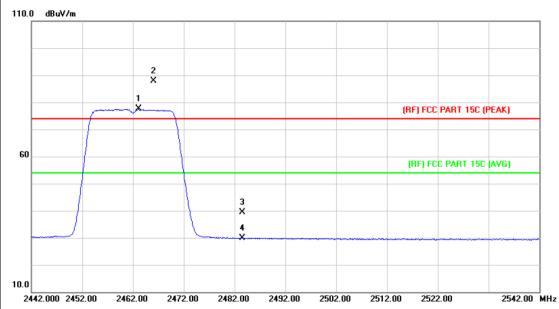


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2461.000	76.45	1.06	77.51	Fundamenta	l Frequency	AVG
2	Χ	2462.800	87.00	1.08	88.08	Fundamenta	l Frequency	peak
3		2483.500	39.34	1.17	40.51	74.00	-33.49	peak
4		2483.500	28.74	1.17	29.91	54.00	-24.09	AVG



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical						
Test Mode:	TX G Mode 2462MHz		A TOWN				
Remark:	N/A		0				

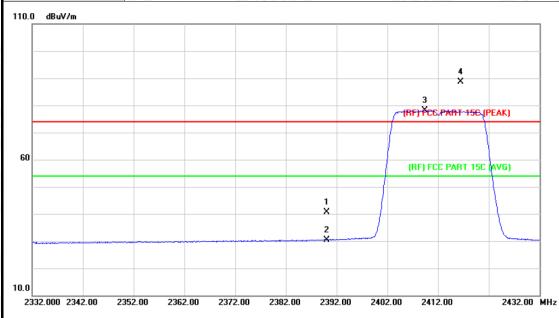


N	o. N	Λk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*		2463.100	76.45	1.08	77.53	Fundamental	Frequency	AVG
2	X		2466.000	86.81	1.09	87.90	Fundamental	Frequency	peak
3			2483.500	38.27	1.17	39.44	74.00	-34.56	peak
4			2483.500	28.62	1.17	29.79	54.00	-24.21	AVG



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EUT:	Smart Panoramic Camera Bulb	Model: XM-JPLI					
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT20) Mode 2412MHz	TUP TO	FILL				
Remark:	N/A	WILL THE	- B				

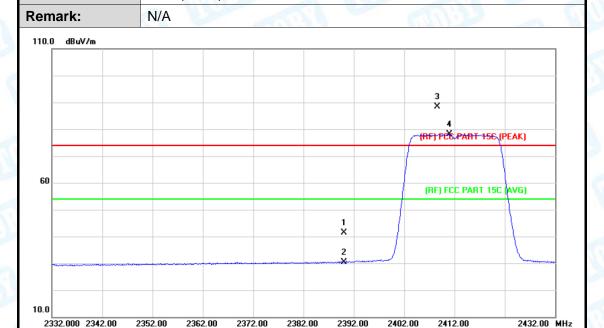


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	39.84	0.77	40.61	74.00	-33.39	peak
2		2390.000	29.61	0.77	30.38	54.00	-23.62	AVG
3	*	2409.400	77.20	0.85	78.05	Fundamenta	l Frequency	AVG
4	X	2416.400	87.83	0.88	88.71	Fundamenta	I Frequency	peak



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(EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S
	Temperature:	25 °C Relative Humidity		55%
	Test Voltage:	AC 120V/60Hz	THE PARTY OF THE P	3
	Ant. Pol.	Vertical		
	Test Mode:	TX N(HT20) Mode 2412MHz		A Trans

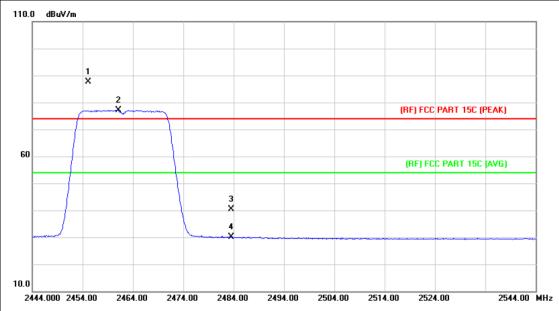


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	40.53	0.77	41.30	74.00	-32.70	peak
2		2390.000	29.52	0.77	30.29	54.00	-23.71	AVG
3	X	2408.600	87.59	0.85	88.44	Fundamental	l Frequency	peak
4	*	2411.000	77.25	0.86	78.11	Fundamental	l Frequency	AVG



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz				
Ant. Pol.	Horizontal				
Test Mode:	TX N(HT20) Mode 2462MHz				
Remark:	N/A				

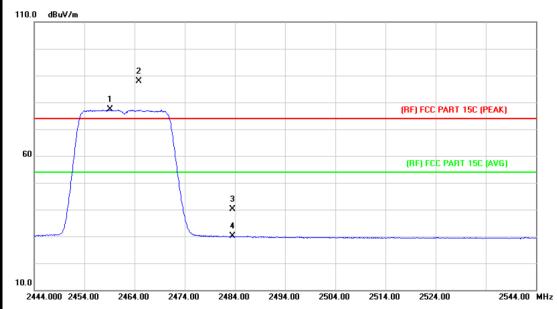


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2455.100	86.63	1.05	87.68	Fundamental	Frequency	peak
2	*	2461.100	76.14	1.06	77.20	Fundamental	Frequency	AVG
3		2483.500	39.25	1.17	40.42	74.00	-33.58	peak
4		2483.500	28.91	1.17	30.08	54.00	-23.92	AVG



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz				
Ant. Pol.	Vertical				
Test Mode:	TX N(HT20) Mode 2462MHz				
Remark:	N/A				

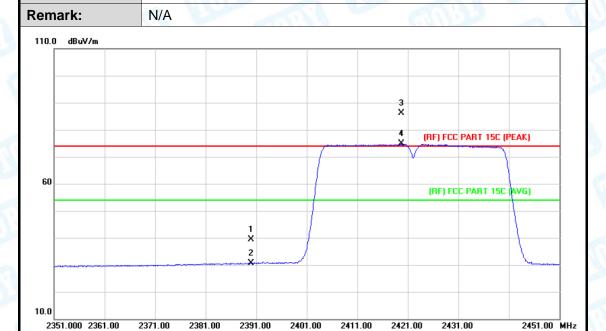


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2459.200	76.31	1.06	77.37	Fundamenta	l Frequency	AVG
2	X	2464.900	86.75	1.09	87.84	Fundamenta	l Frequency	peak
3		2483.500	38.92	1.17	40.09	74.00	-33.91	peak
4		2483.500	28.91	1.17	30.08	54.00	-23.92	AVG



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	- GUILLE			مر فون	
Ş	EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S	
	Temperature:	25 ℃	Relative Humidity:	55%	
	Test Voltage:	AC 120V/60Hz	0100		
	Ant. Pol.	Horizontal			
P	Test Mode:	TX N(HT40) Mode 2422MHz		F. Duran	

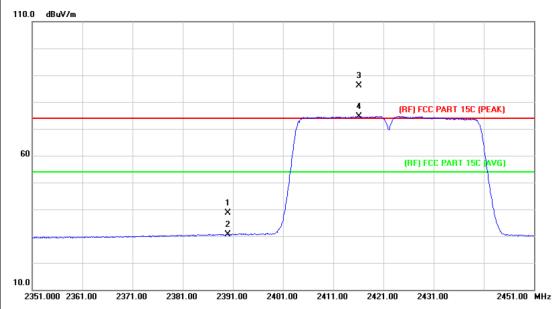


N	10. N	Иk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1			2390.000	38.57	0.77	39.34	74.00	-34.66	peak
2			2390.000	29.98	0.77	30.75	54.00	-23.25	AVG
3	X	(2419.700	85.24	0.89	86.13	Fundamenta	l Frequency	peak
4	*		2419.700	73.97	0.89	74.86	Fundamenta	l Frequency	AVG



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical					
Test Mode:	TX N(HT40) Mode 2422MHz	TUP TO	A DO			
Remark:	N/A					

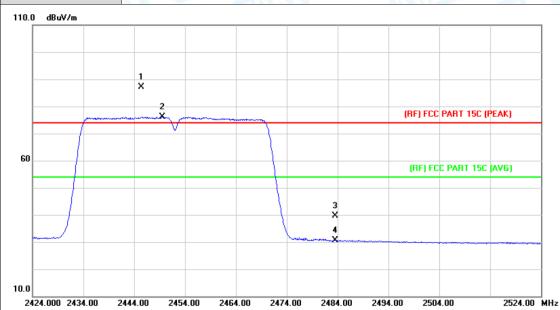


1	No. I	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1			2390.000	37.96	0.77	38.73	74.00	-35.27	peak
2			2390.000	29.75	0.77	30.52	54.00	-23.48	AVG
3)	X	2416.100	85.22	0.88	86.10	Fundamental Frequency		peak
4	*	t	2416.100	73.86	0.88	74.74	Fundamental	Frequency	AVG



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EUT:	Smart Panoramic Camera Bulb	XM-JPLB1S				
Temperature:	25 ℃	Relative Humidity:				
Test Voltage:	AC 120V/60Hz	(d) (d)				
Ant. Pol.	Horizontal					
Test Mode:	TX N(HT40) Mode 2452MHz					
Remark:	ark: N/A					

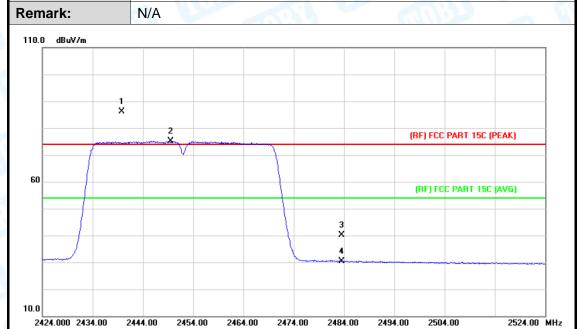


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2445.400	86.03	1.01	87.04	Fundamenta	l Frequency	peak
2	*	2449.500	75.21	1.02	76.23	Fundamenta	l Frequency	AVG
3		2483.500	38.43	1.17	39.60	74.00	-34.40	peak
4		2483.500	29.37	1.17	30.54	54.00	-23.46	AVG



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				وسر المناث
V	EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S
è	Temperature:	25 ℃	Relative Humidity:	55%
	Test Voltage:	AC 120V/60Hz	CITIES .	
ì	Ant. Pol.	Vertical		
	Test Mode:	TX N(HT40) Mode 2452MHz		A TO



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2439.800	85.20	0.98	86.18	Fundamenta	l Frequency	peak
2	*	2449.600	74.13	1.02	75.15	Fundamenta	l Frequency	AVG
3		2483.500	38.90	1.17	40.07	74.00	-33.93	peak
4		2483.500	29.19	1.17	30.36	54.00	-23.64	AVG

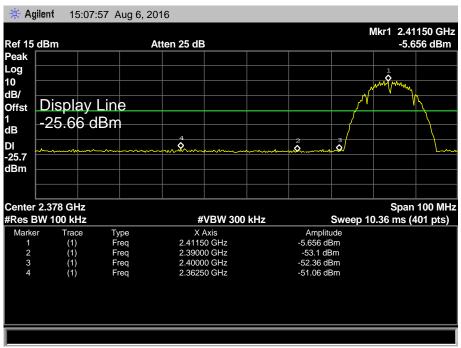


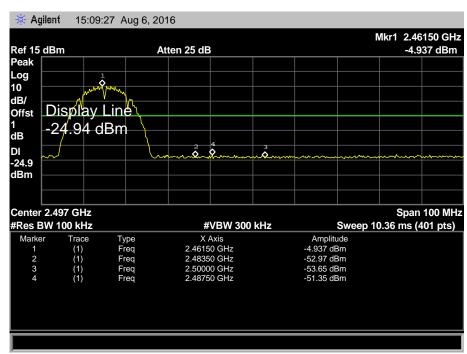


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(2) Conducted Test

EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz				
Test Mode:	TX B Mode 2412MHz / TX B Mode 2462MHz				
Remark:	The EUT is programed in continuously transmitting mode				

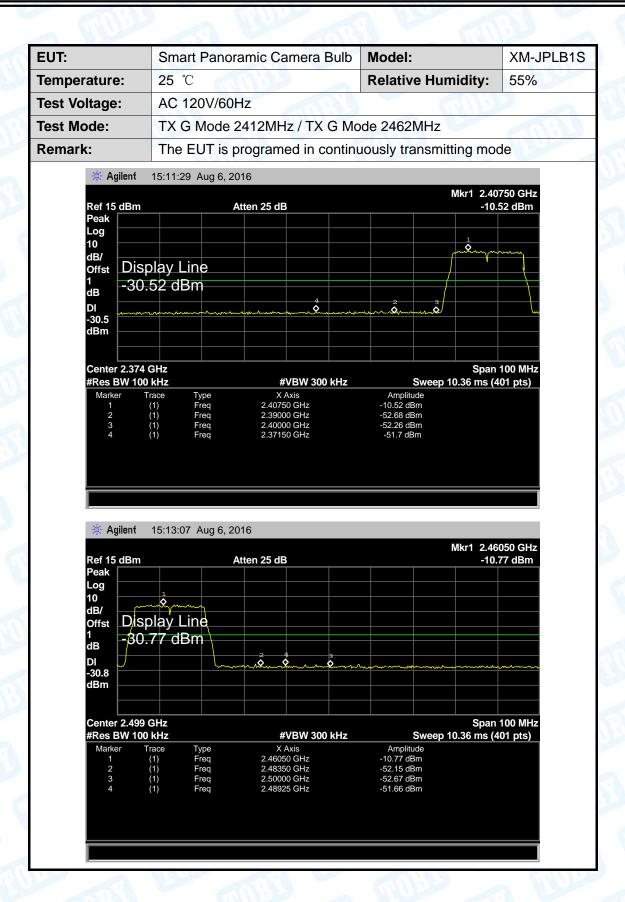








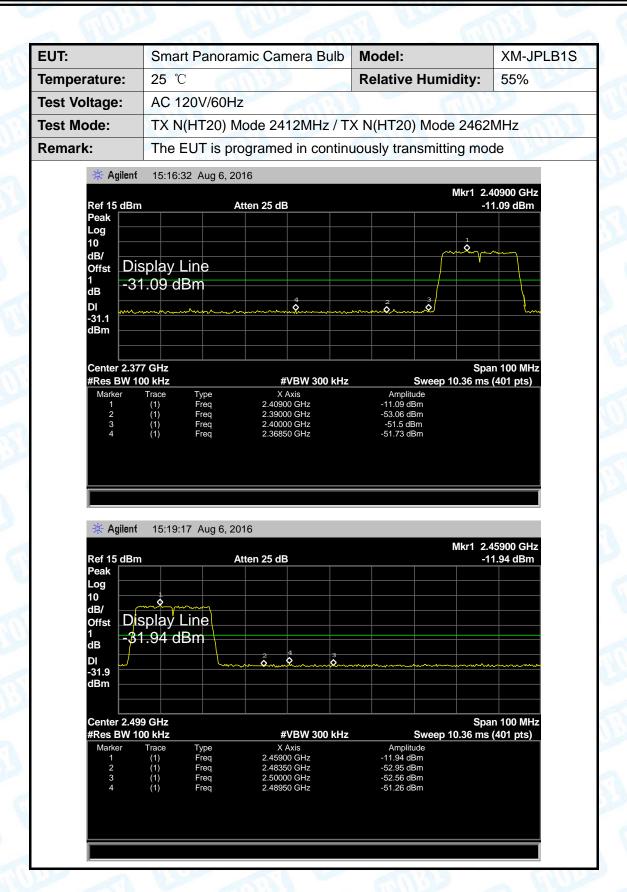
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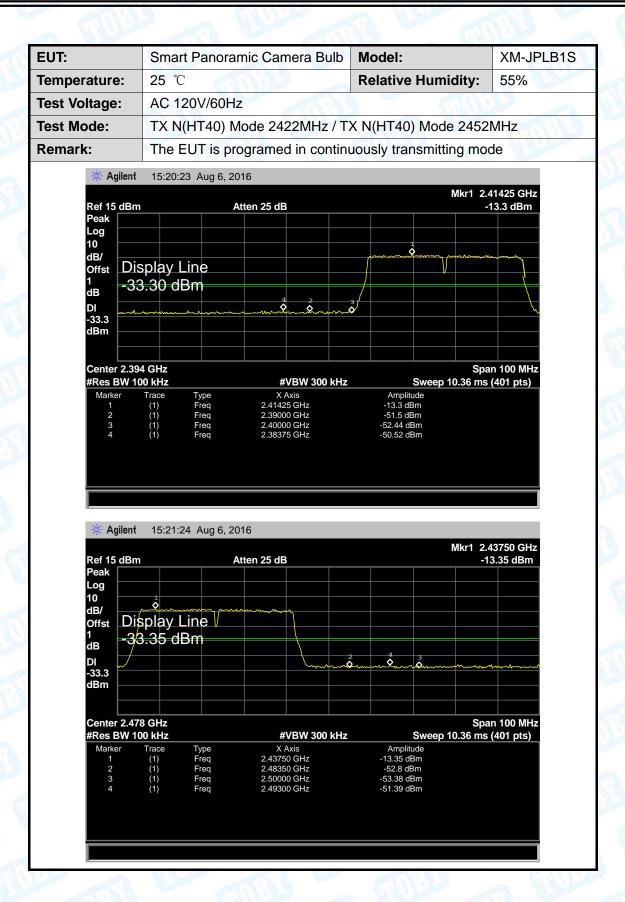
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7. Bandwidth Test

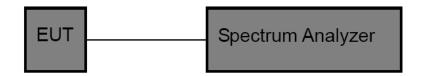
7.1 Test Standard and Limit

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 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, middle and high channel for the test.

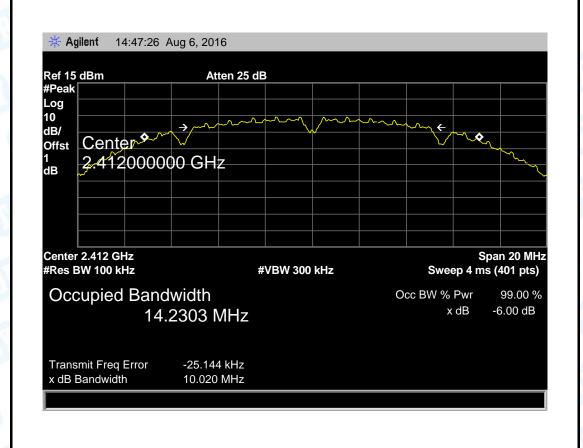


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7.5 Test Data

EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60Hz			
Test Mode:	TX 802.11B Mode			
Channel frequency 6dB Bandwidth		99% Bandwidth	Limit	
(MHz)	(MHz)	(MHz)	(MHz)	
2412	10.020	14.2303		
2437 9.980		14.2320	>=0.5	
2462 10.005		14.2452		
	<u>. </u>		•	

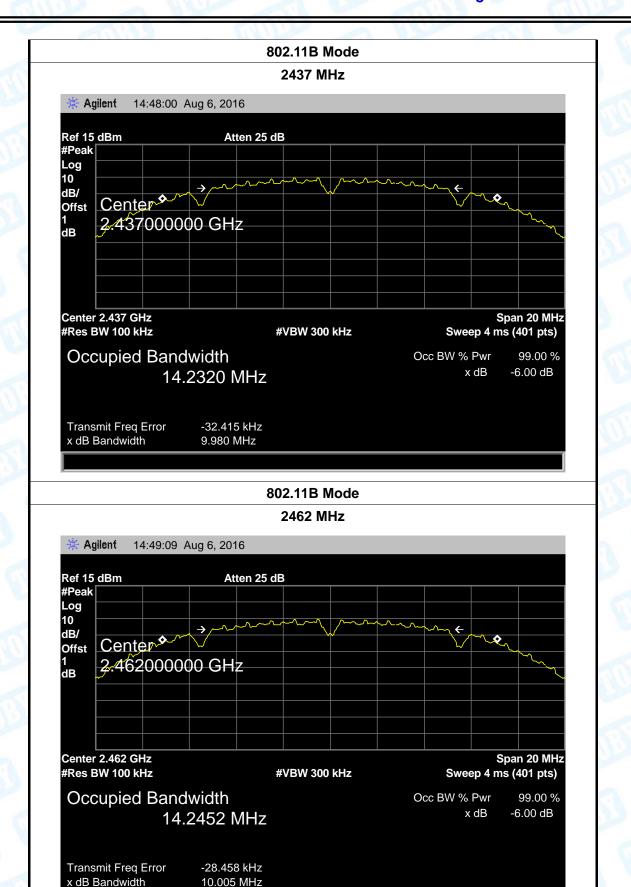
802.11B Mode





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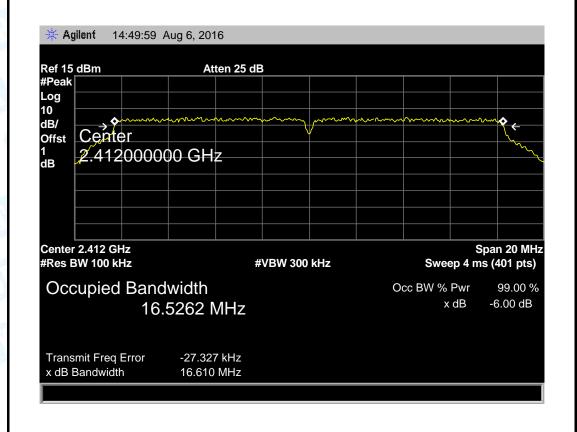


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		KY
-	. •	T T

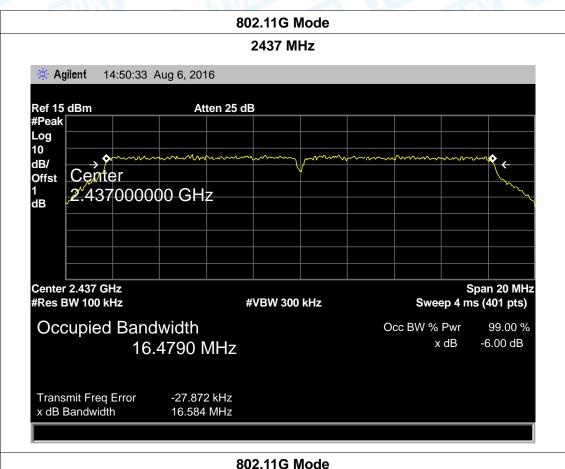
L UK and the second sec				
EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60Hz			
Test Mode:	TX 802.11G Mode			
Channel frequence	Channel frequency 6dB Bandwidth 99% Bandwidth		Limit	
(MHz) (MHz)		(MHz)	(MHz)	
2412	16.610	16.5262		
2437	16.584	16.4790 >=0.5		
2462 16.600		16.5261		
	802.110	G Mode		

J21110 11100





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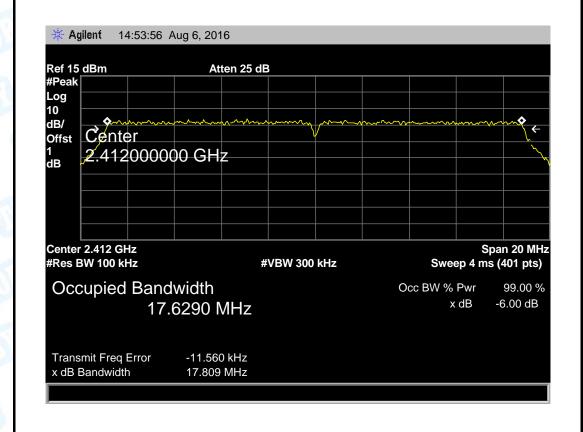
2462 MHz Agilent 14:51:04 Aug 6, 2016 Ref 15 dBm Atten 25 dB #Peak Log 10 dB/ Center Offst 1 dB 2.462000000 GHz Center 2.462 GHz Span 20 MHz Sweep 4 ms (401 pts) #Res BW 100 kHz **#VBW 300 kHz** Occupied Bandwidth Occ BW % Pwr 99.00 % x dB -6.00 dB 16.5261 MHz Transmit Freq Error -29.661 kHz x dB Bandwidth 16.600 MHz



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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60Hz			
Test Mode:	TX 802.11N(HT20) Mode			
Channel frequence	cy 6dB Bandwidth	Bandwidth 99% Bandwidth Limit		
(MHz)	(MHz)	(MHz)	(MHz)	
2412	17.809	17.6290		
2437	17.805	17.6334	>=0.5	
2462 17.825		17.6378	_	
802.11N(HT20) Mode				

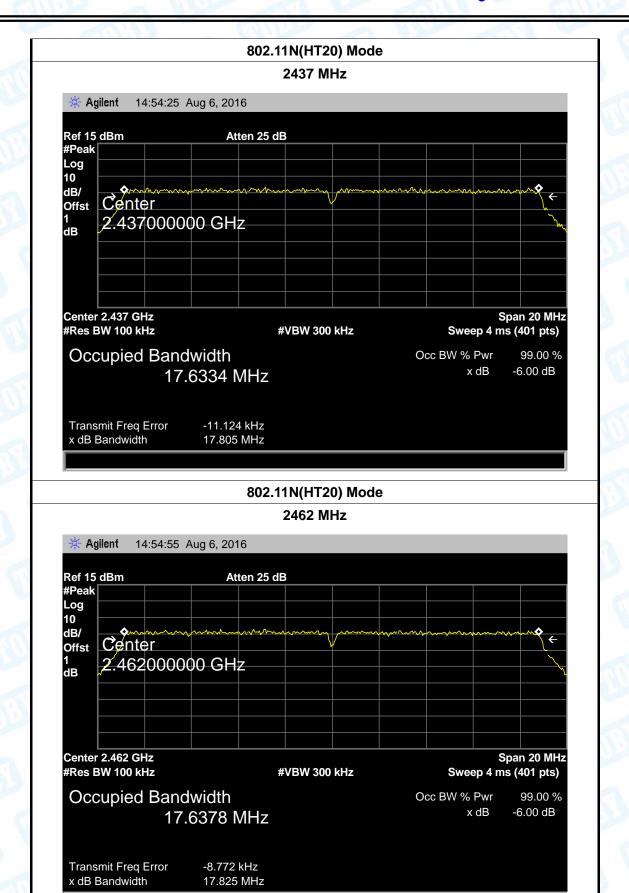
0440 MILL







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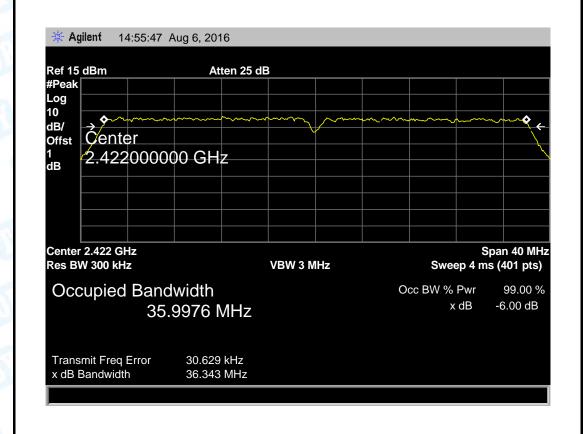




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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz				
Test Mode:	Dde: TX 802.11N(HT40) Mode				
Channel frequence	Channel frequency 6dB Bandwidth		Limit		
(MHz)	(MHz)	(MHz)	(MHz)		
2422	36.343	35.9976			
2437	36.337	36.0040	>=0.5		
2452	2452 36.401				
802.11N(HT20) Mode					

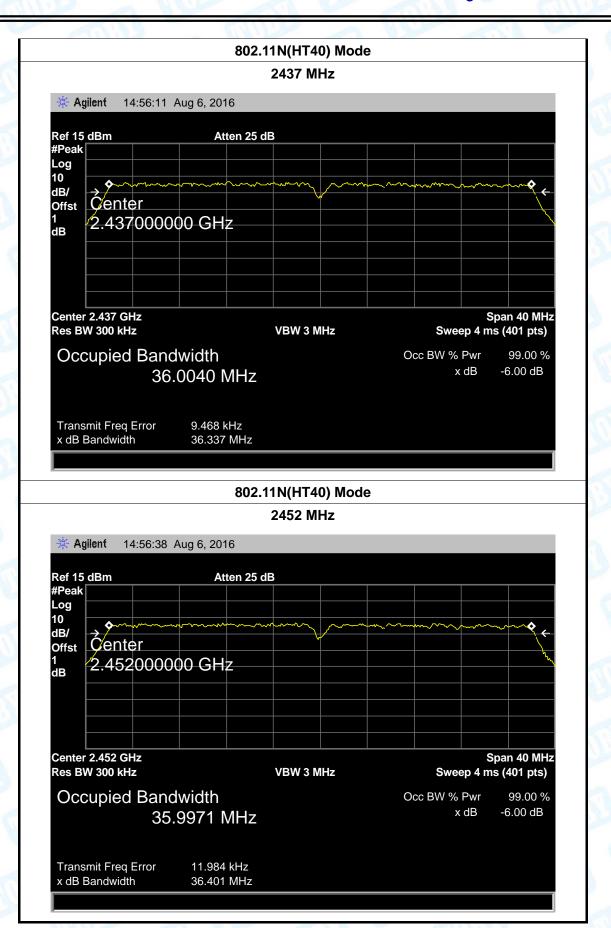
2.1114(11120) 1410







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8. Peak Output Power Test

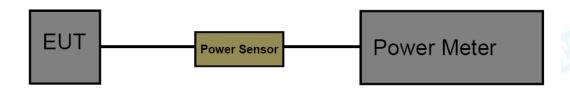
8.1 Test Standard and Limit

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 v03r05.

The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater than or equal to the DTS bandwidth of the equipment.

8.4 EUT Operating Condition

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



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8.5 Test Data

EUT:	Smart Panoramic Camera Bulb	Model Name :	XM-JPLB1S
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	THE PARTY OF THE P	A LIVE
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
	2412	8.06	
802.11b	2437	8.20	
	2462	8.40	
	2412	7.61	
802.11g	2437	7.98	
	2462	7.93	20
200 44	2412	7.75	30
802.11n (HT20)	2437	7.36	
(П120)	2462	7.47	
000 44	2422	7.24	
802.11n (HT40)	2437	7.20	
(11140)	2452	7.10	
	Resu	ult: PASS	

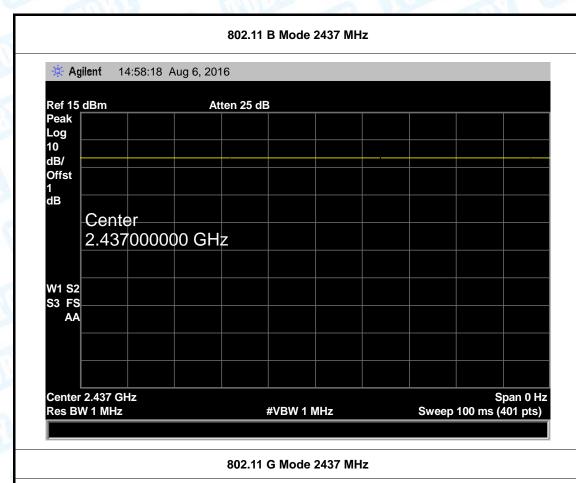
	Duty Cycle	
Mode	Channel frequency (MHz)	Test Result
	2412	
802.11b	2437	
	2462	
	2412	
802.11g	2437	
	2462	. 000/
000 44	2412	>98%
802.11n (⊔T20)	2437	
(HT20)	2462	
000 44	2422	
802.11n (HT40)	2437	
	2452	



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Res BW 1 MHz



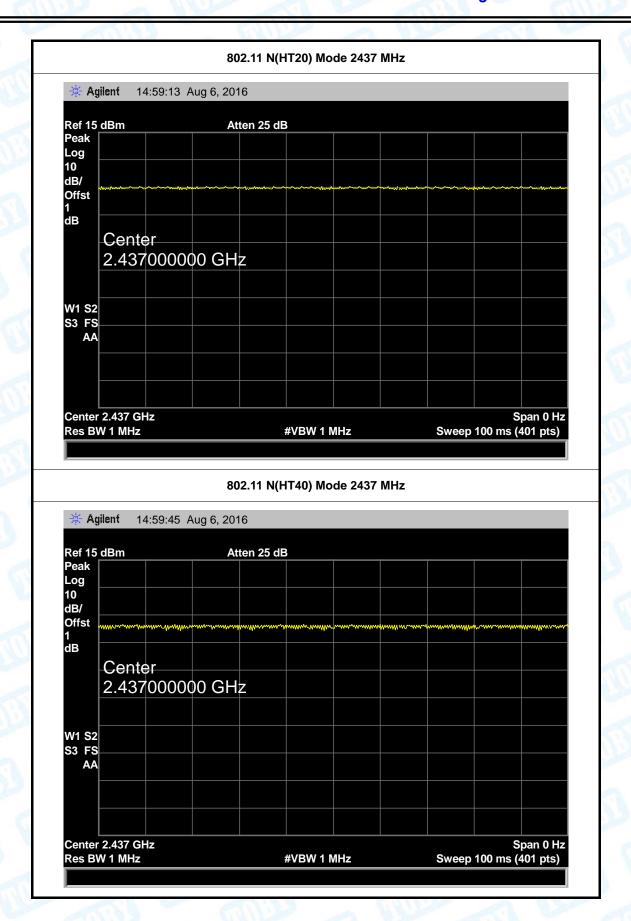


#VBW 1 MHz



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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 v03r05.

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

9.4 EUT Operating Condition

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

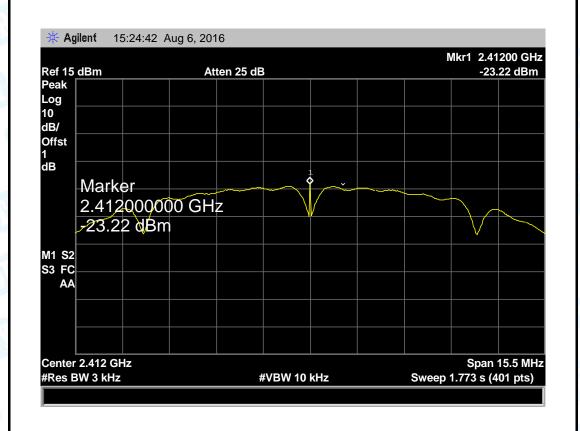


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9.5 Test Data

		Model:	XM-JPLB1S
25 ℃		Relative Humidity:	55%
AC 120V/	60Hz	7	
TX 802.11	2.11B Mode		
uency	Power Density Limit (dBm)		
	(3 kHz/dBm)		
	-23.22		
	-23.68		8
	-23.48		
	Camera E 25 ℃ AC 120V/ TX 802.11	AC 120V/60Hz TX 802.11B Mode uency Power (3 kHz	Camera Bulb 25 °C Relative Humidity: AC 120V/60Hz TX 802.11B Mode uency Power Density (3 kHz/dBm) -23.22 -23.68

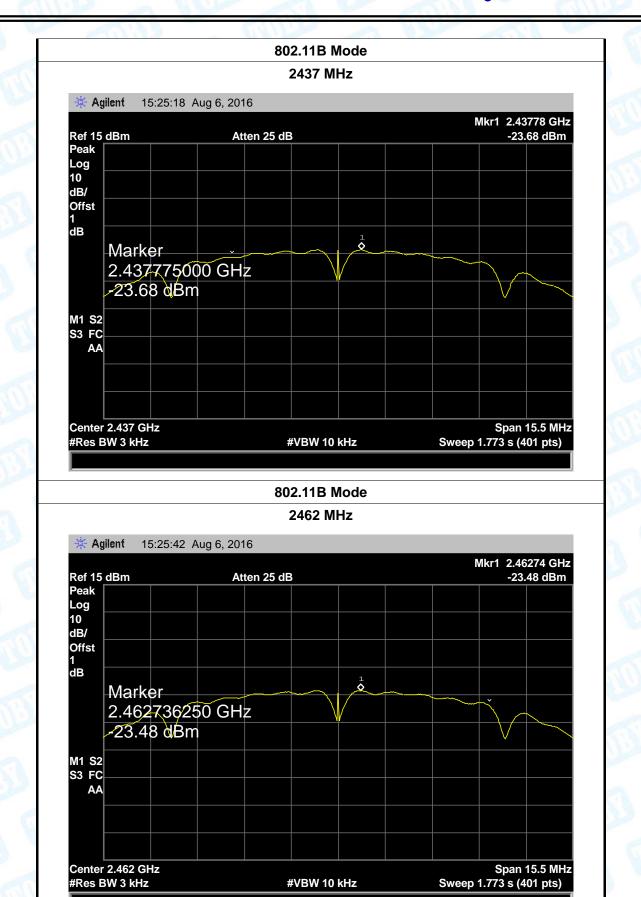
802.11B Mode







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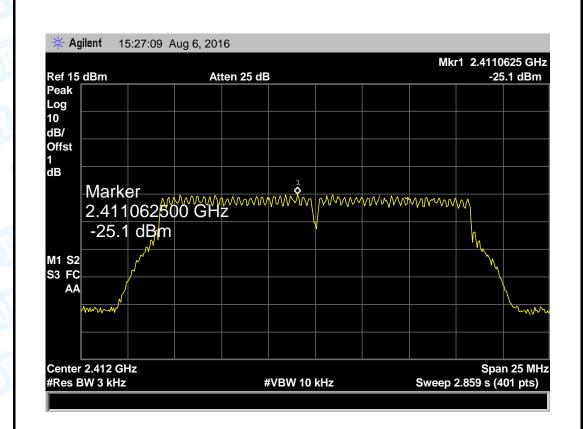




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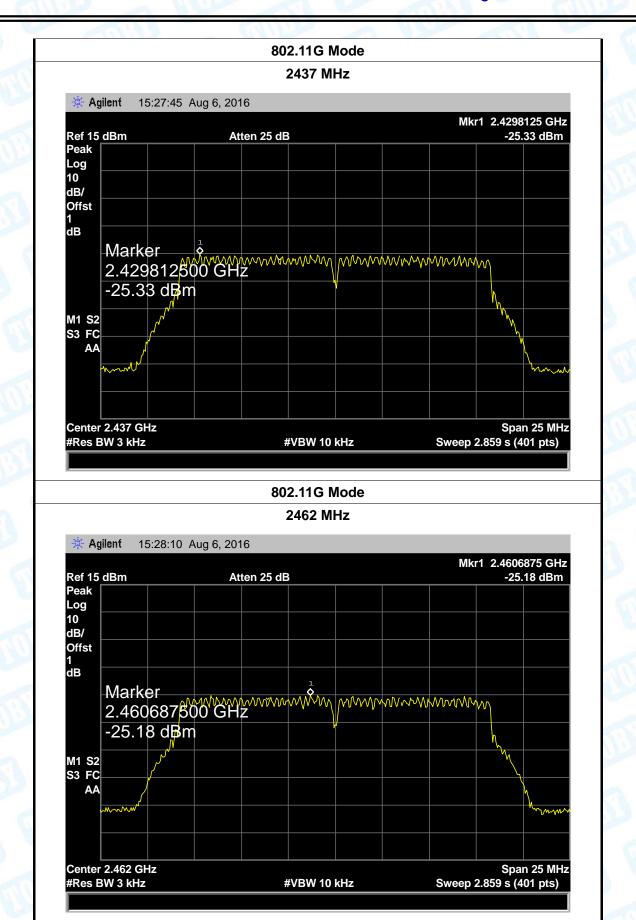
EUT:	Smart Par Camera E		Model:	XM-JPLB1S
Temperature:	25 ℃	The same	Temperature:	25 ℃
Test Voltage:	AC 120V/	/60Hz		
Test Mode:	TX 802.11	IG Mode		
Channel Freq	uency	Power Density Lim		Limit (dBm)
(MHz)		(3 kHz/dBm)		
2412		-25.10		
2437		-25.33		8
2462		-25.18		
		802.11	G Mode	
		2442	MU-	







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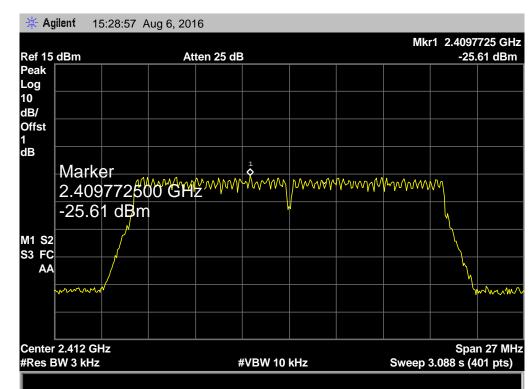




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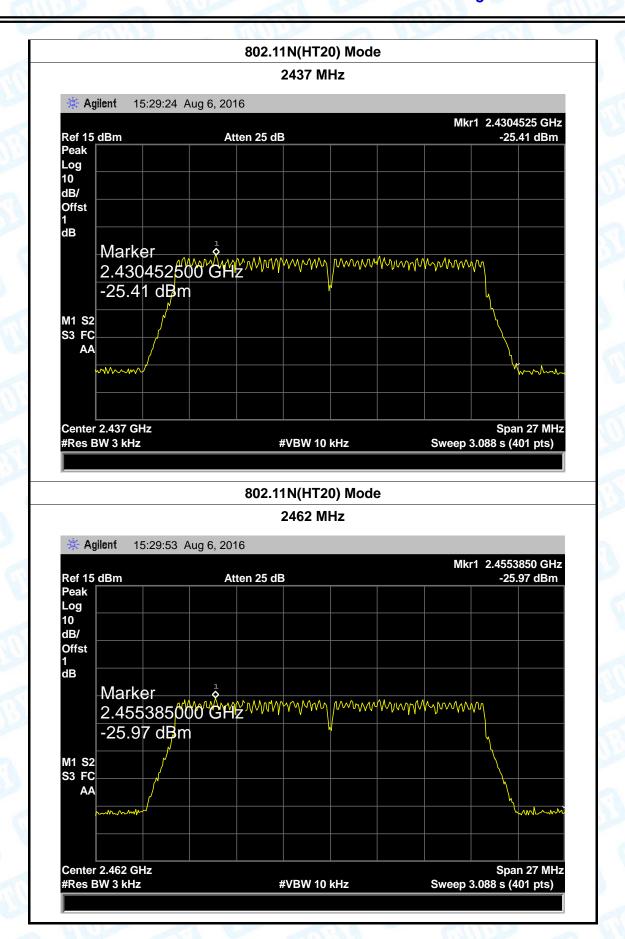
EUT:	Smart Pa Camera B		Model:	XM-JPLB1S	
Temperature:	25 °C		Temperature:	25 ℃	
Test Voltage:	AC 120V/	/60Hz	W		
Test Mode:	TX 802.1	1N(HT20) Mc	ode		
Channel Frequency		Power Density		Limit (dBm)	
(MHz)		(3 kHz/dBm)			
2412		-25.61			
2437		-25.41		8	
2462		-25.97			
		802.11N	(HT20) Mode		
		24	12 MHz		
* Agilent 1	5:28:57 Aug 6,	2016			
Ref 15 dBm		Atten 25 dB		Mkr1 2.4097725 GHz -25.61 dBm	







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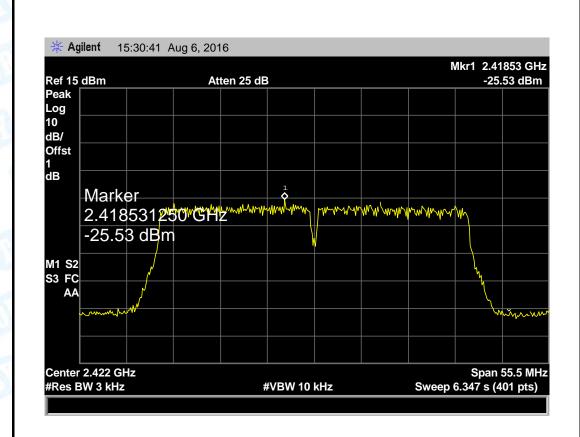
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EUT:	Smart Panoramic Camera Bulb	Model:	XM-JPLB1S
Temperature:	25 ℃	Temperature:	25 ℃
Test Voltage:	AC 120V/60Hz		

Test Mode: TX 802.11N(HT40) Mode

Channel Frequency		Power Density	Limit (dBm)
	(MHz)	(3 kHz/dBm)	
	2422	-25.53	
	2437	-27.19	8
	2452	-27.03	

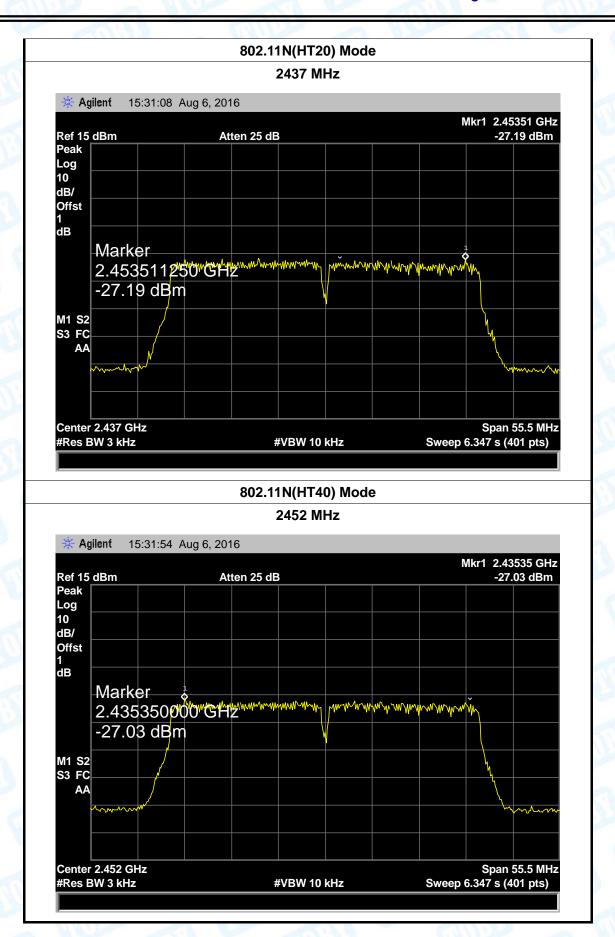
802.11N(HT40) Mode







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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 Integral Antenna. It complies with the standard requirement.

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