

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC154685

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FCC Radio Test Report FCC ID: 2AMQR-X720

Original Grant

Report No. TB-FCC154685

Shenzhen Zhixingsheng Electronics Co.,Ltd. **Applicant**

Equipment Under Test (EUT)

EUT Name Action Camera

Model No. X720

Series Model No. Please see the page 4

Brand Name N/A

Receipt Date 2017-07-01

2017-07-02 to 2017-07-06 **Test Date**

Issue Date 2017-07-07

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

Test Method ANSI C63.10: 2013

Conclusions PASS

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

The EUT technically complies with the FCC and IC requirements

Test/Witness Engineer

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: Shenzhen Zhixingsheng Electronics Co.,Ltd.

Address : 4/F, Building F.No.8 of East Zone, Shangxue Science Park, Bantian,

Jihua Road, Longgang Disctrict, Shenzhen, China

Manufacturer : Shenzhen Zhixingsheng Electronics Co.,Ltd.

Address : 4/F, Building F.No.8 of East Zone, Shangxue Science Park, Bantian,

Jihua Road, Longgang Disctrict, Shenzhen, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	Action Camera	<	
X720, A720, B720, C720, D720, H720, I720, K720, N720, Q720, S720, T720, V720, W720, Pano720, 360A, 360B, 360C, 360D, 3 360F, 360H, 360I, 360K, 360M, 360N, 360Q, 360S, 360T, 360W Pano360, PanoLive, A7, A7S, A100, A123, A180, A200, A300, A A600, A800, A900, A1000, B1, B2, B3, B5, B6, B8, B9, B10, B20 B50, B60, B80, B90, B100, D3, D3S, D3W, D5, D5S, F50, F60, F F90, H2, H3, H8, H8R, H8PRO, H8PLUS, H8SE, H9, H9R, H9PF H9SE, H9RSE, H16, H20, M1, M2, M3, M5, M6, M8, M10, M20, M50, M60, M80, M90, M100, M200, M300, M500, M600, M800, M1000, N1, N2, N3, N5, N6, N8, N9, N10, N20, N30, N50, N60, N90, N100, N200, N300, N500, N600, N800, N900, N1000, V1, N750, W8, W9, W9R, W9SE, W100, W200, W300, W500, W600, W800, W900, W1000			
Model Difference	All these models are identical in the same PCB layout and electrical circuit, the only difference is model name for commercial and shape.		
6100	Operation Frequency: 802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz	18	
المساولال	Number of Channel: 802.11b/g/n(HT20):11 channels see note(3) 802.11n(HT40):7 channels see note(3)	N	
Product Description	RF Output Power: 802.11b: 9.60dBm 802.11g: 9.21dBm 802.11n (HT20): 7.89dBm 802.11n (HT40): 6.34dBm	-	
	Antenna Gain: 2.11dBi Integral Antenna	10	
	Modulation Type: 802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n: OFDM(BPSK,QPSK,16QAM, 64QAM)		
A CHILL	Bit Rate of 802.11b:11/5.5/2/1 Mbps	علا	



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	P	Transmitter:	802.11g:54/48/36/24/18/12/9/6 Mbps	
		William I	802.11n:up to 150Mbps	
Power Supply	I.	DC Voltage supplied by	/ AC/DC Adapter.	
mill by	•	DC Voltage supplied by DC Voltage supplied by	/ Li-ion battery.	
Dower Detine		DC 5.0 V from the USB Cable.		
Power Rating	DC 3.7V by 1500m/		Li-ion battery.	
Connecting	:	Please refer to the Use	er's Manual	
I/O Port(S)				

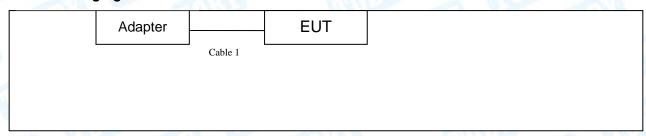
Note:

- (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.
- (3) Channel List:

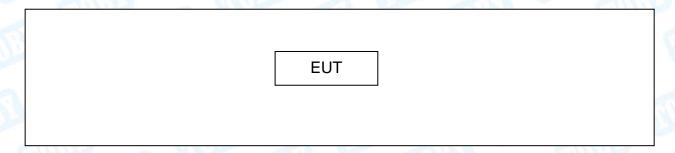
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	
01	2412	05	2432	09	2452	
02	2417	06	2437	10	2457	
03	2422	07	2442	11	2462	
04	2427	08	2447			
Note:CH 01~CH 11 for 802.11b/g/n(HT20), CH 03~CH 09 for 802.11n(HT40)						

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

USB Charging Mode



TX Mode





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1.4 Description of Support Units

Equipment Information						
Name Model FCC ID/VOC Manufacturer Used "√"						
AC/DC Adapter	A16-502000	T 132	AOHAI	1		
AC/DC Adapter In	put:AC100-240V 50/60	OHz 0.5A Output:5V/	2A	CITE OF		
		Cable Information				
Number Shielded Type Ferrite Core Length Note						
Cable 1	NO	NO	0.9M	4000		

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	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



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mode was programmed by the customer.

(3) The EUT is considered a portable 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		RtkWiFiTest-v1.8.1	
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 %.

and the second s		
Test Item	Parameters	Expanded Uncertainty (U _{Lab})
	Level Accuracy:	WY STATE OF THE ST
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	t 15 Subpart C(15.247)/ RSS 247	Issue 1		
Standa	rd Section	Test Item	lucal arma a má	Damark	
FCC	IC	rest 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	6dB Bandwidth	PASS	N/A	
13.247 (a)(2)	5.2 (1)	odb Bandwidth			
15.247(b)	RSS 247	Peak Output Power	PASS	N/A	
13.247 (0)	5.4 (4)	Teak Output Tower			
15.247(e)	RSS 247	Davier Consider	PASS	N/A	
15.247 (e)	5.2 (2)	Power Spectral Density	PASS		
15.247(d)	RSS 247	Pand Edga	PASS	NI/A	
15.247 (u)	5.5	Band Edge	PASS	N/A	
15.247(d)&	RSS 247	Transmitter Radiated Spurious	PASS	NI/A	
15.209	5.5	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.24, 2017	Mar. 23, 2018
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar.25, 2017	Mar. 24, 2018
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

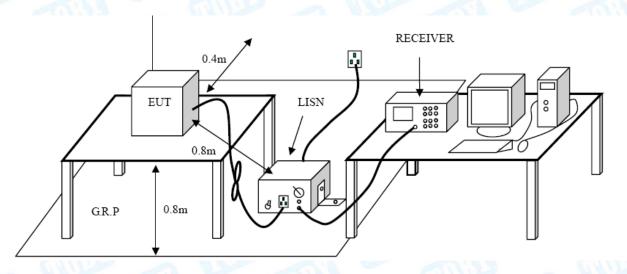
Conducted Emission Test Limit

Transport (MIN)	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:	Action Camera	Mo	del Name :		X720		
Temperature:	25 ℃	Rel	ative Humidity	': :	55%		
Test Voltage:	AC 120V/60Hz			60	11:30		
Terminal:	Line	A PORT		6		Marie Company	
Test Mode:	Charging with TX	B Mode	WILD F		a V		
Remark:	Only worse case i	is reported		TITE	19		
30 dBuV -20 0.150	0.5	(MHz)	Additional property of the state of the stat	S. Major Marine	QP: AVG:	peak AVG	
	Reading req. Level	Correct Factor	mont	_imit dBuV	Over	Detector	
	300 30.81	10.02			-21.62	QP	
	300 30.61	10.02			-23.34	AVG	
	020 30.58	10.02			-19.59	QP	
	020 30.38	10.02			-20.06	AVG	
	540 28.27	10.02			-20.58	QP	
		10.02					
	540 17.16				-21.69	AVG	
	900 41.51	10.02		6.17		QP	
	900 29.31	10.02		6.17		AVG	
	500 29.03	10.11			-16.86	QP	
	500 14.60	10.11			-21.29	AVG	
11 1.0	380 25.23	10.06	35.29 5	6.00	-20.71	QP	
12 1.0	380 11.13	10.06	21.19 4	6.00	-24.81	AVG	
Emission Level=	= Read Level+ Cor	rect Factor	,				



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EUT:	Action Camera	M	odel Name :		X720	TOTAL STATE
Temperature:	25 ℃	R	elative Humi	dity:	55%	Alle
Test Voltage:	AC 120V/60Hz		11	(A)	TIES .	
Terminal:	Neutral	A Property		1 6		ATTEN A
Test Mode:	Charging with TX	B Mode			0 N	N. L.
Remark:	Only worse case	is reported	6	CINI)	333	
80.0 dBuV					65	
-20		14/4/14/14/14/14/14/14/14/14/14/14/14/14	RPANONERA MANAGANIA MARIA ARALA RATINA MARIANA	hay have have have have have have have have	QP: AVG:	peak
0.150	0.5	(MHz)	5			30.000
	Reading eq. Level	Correct Factor	Measure- ment	Limit	Over	
	Hz dBuV	dB	dBuV	dBuV	dB	Detector
1 0.24		10.10	42.97	61.89	-18.92	QP
2 0.24	460 14.73	10.10	24.83	51.89	-27.06	AVG
3 0.29	980 33.86	10.09	43.95	60.30	-16.35	QP
4 0.29	980 18.18	10.09	28.27	50.30	-22.03	AVG
5 0.38	500 29.54	10.07	39.61	58.96	-19.35	QP
6 0.35	500 13.59	10.07	23.66	48.96	-25.30	AVG
7 * 0.49	940 33.06	10.02	43.08	56.10	-13.02	QP
8 0.49	940 13.00	10.02	23.02	46.10	-23.08	AVG
9 0.80	059 21.25	10.07	31.32	56.00	-24.68	QP
10 0.80	059 2.19	10.07	12.26	46.00	-33.74	AVG
11 1.1	700 21.84	10.14	31.98	56.00	-24.02	QP
12 1.17	700 2.18	10.14	12.32	46.00	-33.68	AVG
Emission Levels	= Read Level+ Cor	rect Factor				



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EUT:		Action	Camera		Model Name :	>	X720	
Гетр	erature:	25 ℃	CILL!		Relative Humidi	ty: 5	55%	A British
Test V	/oltage:	AC 240	V/60Hz		11		13	
Termi	nal:	Line		Bin.		620	-	ARILL STATE
Test N	/lode:	Chargii	ng with TX I	3 Mode			H	
Rema	rk:	Only w	orse case is	reported		1137		
30 -20 0.150	dBuV M M M	0.5	MAN AND AND AND AND AND AND AND AND AND A	Wypyfill Marthy Mary Mary Mary Mary Mary Mary Mary Mar	Many Marine Mari	What have	QP: AVG:	30.000
No.		req.	Reading Level	Correct Factor	Measure- ment Lin		Over	Datasta
- 4		MHz	dBuV	dB 10.02	dBuV dB		dB	Detector
1	0.4	4700	39.47		49.49 56.		7.02	QP
2		4700	24.39	10.02	34.41 46.		12.10	AVG
3		6740	32.20	10.11		.00 -1		QP
4		6740	20.04	10.11		00 -1		AVG
5	0.9	9740	30.86	10.07	40.93 56.	.00 -1	5.07	QP
6	0.9	9740	16.63	10.07	26.70 46.	00 -1	9.30	AVG
7	1.3	3500	25.73	10.06	35.79 56.	00 -2	20.21	QP
8	1.3	3500	12.62	10.06	22.68 46.	00 -2	23.32	AVG
9	2.4	4700	26.15	10.04	36.19 56.	00 -1	9.81	QP
10	2.4	4700	13.23	10.04	23.27 46.	00 -2	22.73	AVG
10		F400	20.25	10.01	30.26 56.	00 -2	25.74	QP
11	3.9	5180						-



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EUT:	Action Camera		Model Name) :	X720	TO THE
Temperature:	25 ℃		Relative Hu	midity:	55%	MARCH
Test Voltage:	AC 240V/60Hz		SIL F	(Gr)	11:39	
Terminal:	Neutral	a Milli		1 6	100	
Test Mode:	Charging with T	X B Mode	MILLO		1 N	
Remark:	Only worse case	e is reported			33	
30 dBuV		HARAMAN AND AND AND AND AND AND AND AND AND A	HAMINAMANANANANANANANANANANANANANANANANAN	MAN	QP: AVG:	mallimum peak
0.150	0.5	(MHz)	5			30.000
No. Mk. Fr	Reading req. Level	Correct Factor	Measure- ment	Limit	Over	
M	Hz dBuV	dB	dBuV	dBuV	dB	Detector
1 0.29	940 31.52	10.09	41.61	60.41	-18.80	QP
2 0.29	940 12.06	10.09	22.15	50.41	-28.26	AVG
3 * 0.4	780 32.75	10.03	42.78	56.37	-13.59	QP
4 0.4	780 12.68	10.03	22.71	46.37	-23.66	AVG
5 0.70	019 24.42	10.02	34.44	56.00	-21.56	QP
6 0.70	019 5.77	10.02	15.79	46.00	-30.21	AVG
7 0.98	820 22.16	10.15	32.31	56.00	-23.69	QP
8 0.98	820 1.68	10.15	11.83	46.00	-34.17	AVG
9 1.90	020 22.76	10.07	32.83	56.00	-23.17	QP
10 1.90	020 3.58	10.07	13.65	46.00	-32.35	AVG
11 3.19	980 19.20	10.06	29.26	56.00	-26.74	QP
12 3.19	980 1.81	10.06	11.87	46.00	-34.13	AVG
Emission Level	= Read Level+ Co	orrect Facto	r			



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

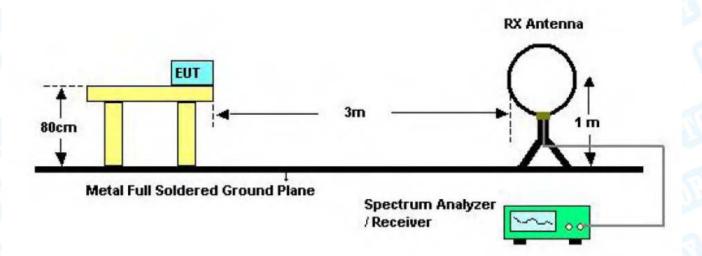
Note:

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

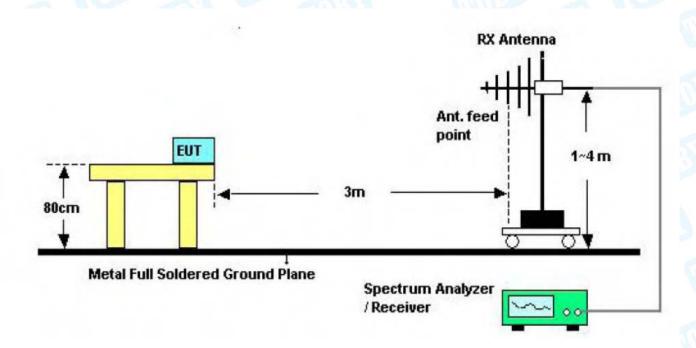


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5.2 Test Setup



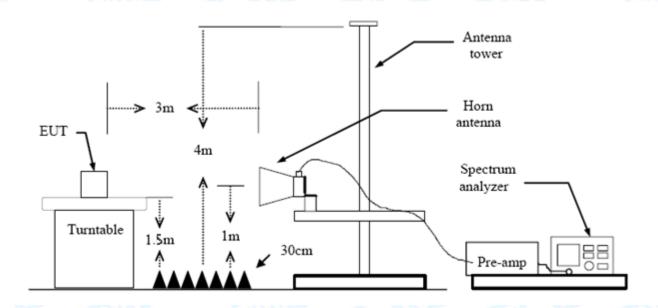
Below 30MHz Test Setup



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

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

bolow the permissible

30MHz~1GHz

EU	IT:			1	Ctic	on C	am	nera			Mod	el:			X	720			
Tei	mp	erat	erature: 25 °C								Rela	tive H	umidi	ty:	5	5%			-
Tes	st V	/olta	ge:	С	C 3	3.7V			CI		3		63						
An	nt. Pol. Horizontal							I		W									
Tes	st N	Mode) :	Т	ΧE	Mc	ode	2412	MHz	1	MR.		A.C.			Wal-			
Re	ma	rk:		C	nly	wo	rse	case	is rep	orted		. ((1/1)						
80.	0 0	dBuV/π	•																_
													(BE)FCC 1	15C 3N	4 Radi		_	4
																Marg	ın -ь	18	Ħ
							4									2 ¥		3,3 XX	<u> </u>
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	0.250			√ /ħ^ĸk	_м м, мэгчч	70 8	:0			(MHz)		300	400				700		00.000
3	0.250	D 4	0 5			R	ea	ding	Cor	(MHz)	Meas	300 Sure-	400) 5	00	600 7	700		00.000
3	0.250		0 5 . F	req		R	ea Lev	ding /el	Cor Fac	(MHz) rect ctor	Meas me	300 Sure-	Lim) 5	00	600 7	700	100	
N	0.250	D 4	0 5 . F	req //Hz	-	R	ead Lev	ding /el uV	Cor Fac	rect ctor	Meas me dBu	300 Sure- ent V/m	Lim dBu	it V/m	00 C	ooo 7	700	100	ector
N	0.250	D 4	. F	req MHz	98	R	ead Lev dB	ding /el uV	Cor Fac dB/	rect ctor /m	Meas me dBu	300 sure- ent V/m	Lim dBu'	it V/m	C	600 7 Over dB	700	100	
N	0.250	D 4	0 5 . F	req MHz	98	R	ead Lev dB	ding /el uV	Cor Fac	rect ctor /m	Meas me dBu	300 sure- ent V/m	Lim dBu	it V/m	C	ooo 7	700	Dete	ector
N 1 2	0.250	D 4	. F	req MHz .189	98	R	dBi 38.	ding /el uV	Cor Fac dB/	rect ctor /m .52	Meas me dBu	sure- ent V/m .45	Lim dBu'	it V/m 00	C -1	600 7 Over dB	700	Dete	ector eak
N 1 2 3	0.250	D 4	0 5 . F . M . 463	req /Hz .189 .479	98 53	Rel	dBi 38.	ding /el uV 97 86	Cor Fac dB/ -11.	rect ctor /m .52 70	Meas me dBu 27.	300 sure- ent V/m .45 .16	Lim dBu 46.	it	-1 -1	ooo 7 ooo 7 dB 18.5	700 - 55 4	Dete	ector eak eak
N 1 2 3 4	0.250 lO.	D 4	0 5 F 463 673	189 .479 .380	98 53 69	R	dBi 38. 43.	ding /el uV 97 86	Cor Fac dB/ -11.	rect ctor 52 70 32	Meas me dBu 27. 37. 37. 35.	300 sure- ent V/m .45 .16	Lim dBu 46.	it //m 00 00 00 00	-1 -1	ooo 7 dB 18.5 8.84	700 55 4 6	Dete	ector eak eak eak
N	0.250 lO.	Mk	. F 463 673 848 869	.189 .479 .380 .418	98 53 69 85	RI	dBi 38. 43. 43.	ding /el uV 97 86 16	Cor Fac dB/ -11. -6. -5.	rect ctor /m .52 70 32 79	Meas me dBu 27. 37. 37. 35.	300 sure- ent V/m .45 .16 .84 .81	400 Lim dBu' 46. 46. 46.	it //m 00 00 00 00 00	-1 -1	dB 18.5 8.84 8.16	700 - 55 4 6 9	Dete pe pe pe pe	eak eak eak



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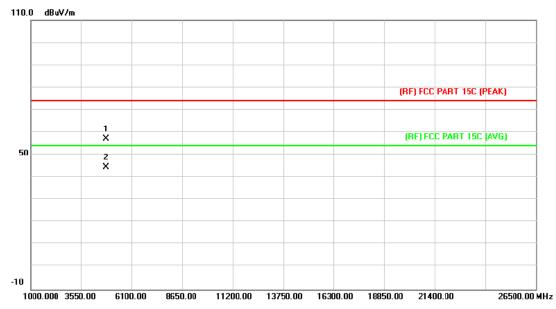
EUT: Actio			on Came	ra	Model:		X720			
npera	ture:	25	\mathbb{C}		Relative Hum	nidity:	55%			
t Vol	tage:	DC	3.7V	1	31	G				
t. Pol		Vert	ical	a W			1	MI		
t Mo	de:	TXI	3 Mode 2	2412MHz	MILL			Like		
mark:		Only	worse o	ase is reporte	ed	6111	1:23			
dBu∀	/m									
						(RF)F				
							maigir-u			
							*	5 6 X 6		
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Manne				1 2 X X	and the second s	Make a grant of any of the				
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.250	40 5	50 60 70	0 80	(MHz)	300	400	500 600 700	1000.00		
			Readi	na Correct	Measure-					
lo. N	lk.	Freq.		_		Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV	/m dB	Detecto		
	108	8.4573	30.70	-21.85	8.85	43.5	0 -34.65	peak		
	149	9.1121	30.03	3 -21.07	8.96	43.5	0 -34.54	peak		
	55	1.7252	31.16	6 -9.50	21.66	46.0	0 -24.34	peak		
*	680	0.5805	43.0	-6.47	36.54	46.0	0 -9.46	peak		
	900	0.3714	37.43	3 -3.60	33.83	46.0	0 -12.17	peak		
	962	2.2501	35.93	3 -3.23	32.70	54.0	0 -21.30	peak		
	t Volti. Pol. t Modernark: dBuv	250 40 900	t Voltage: DC i. Pol. Vert it Mode: TX if mark: Only dBuV/m 250 40 50 60 70 lo. Mk. Freq. MHz 108.4573 149.1121 551.7252 * 680.5805 900.3714	t Voltage: DC 3.7V i. Pol. Vertical It Mode: TX B Mode 2 Only worse of dBuV/m Reading Io. Mk. Freq. Leve MHz dBuV 108.4573 30.70 149.1121 30.03 551.7252 31.16 * 680.5805 43.01	TX B Mode 2412MHz TX B Mode 2412MHz Only worse case is reported ### Adding Correct Level Factor	t Voltage: DC 3.7V t. Pol. Vertical t Mode: TX B Mode 2412MHz mark: Only worse case is reported dBuV/m 250 40 50 60 70 80 (MHz) 300 Reading Correct Measure- Level Factor ment MHz dBuV dB/m dBuV/m 108.4573 30.70 -21.85 8.85 149.1121 30.03 -21.07 8.96 551.7252 31.16 -9.50 21.66 * 680.5805 43.01 -6.47 36.54 900.3714 37.43 -3.60 33.83	t Voltage: DC 3.7V the Pol. Vertical TX B Mode 2412MHz Only worse case is reported Buv/m Reading Correct Measure- Level Factor ment Limit MHz dBuV dB/m dBuv/m dBuv/m dBuv 108.4573 30.70 -21.85 8.85 43.5 149.1121 30.03 -21.07 8.96 43.5 551.7252 31.16 -9.50 21.66 46.0 * 680.5805 43.01 -6.47 36.54 46.0 900.3714 37.43 -3.60 33.83 46.0	t Voltage: DC 3.7V t Pol. Vertical TX B Mode 2412MHz Only worse case is reported (REFFCC 15C 3M Radiation Margin 6 Margin 6 Reading Correct Measurement Limit Over MHz dBuV dB/m dBuV/m dBuV/m dB 108.4573 30.70 -21.85 8.85 43.50 -34.65 149.1121 30.03 -21.07 8.96 43.50 -34.54 551.7252 31.16 -9.50 21.66 46.00 -24.34 * 680.5805 43.01 -6.47 36.54 46.00 -9.46 900.3714 37.43 -3.60 33.83 46.00 -12.17		



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Above 1GHz

Action Camera	Model:	X720					
25 ℃	Relative Humidity:	55%					
DC 3.7V							
Horizontal							
TX B Mode 2412MHz							
No report for the emission limit.	which more than 10 dE	3 below the prescribed					
	25 °C DC 3.7V Horizontal TX B Mode 2412MHz No report for the emission	25 °C Relative Humidity: DC 3.7V Horizontal TX B Mode 2412MHz No report for the emission which more than 10 dB					

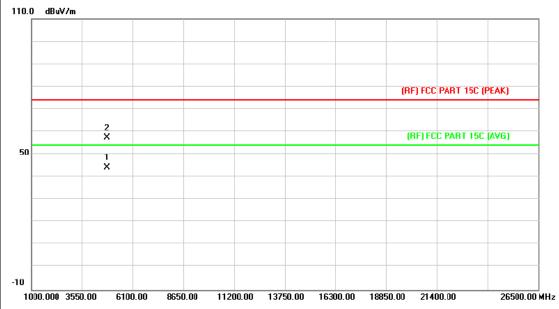


No	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.769	43.57	13.56	57.13	74.00	-16.87	peak
2	*	4824.162	30.90	13.56	44.46	54.00	-9.54	AVG



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EUT:	Action Camera	Model:	X720						
Temperature:	25 ℃	Relative Humidity:	55%						
Test Voltage:	DC 3.7V	DC 3.7V							
Ant. Pol.	Vertical	Vertical							
Test Mode:	TX B Mode 2412MHz		3 Hills						
Remark:	No report for the emission v	No report for the emission which more than 10 dB below the							
	prescribed limit.	prescribed limit.							
440.0 ID VI									

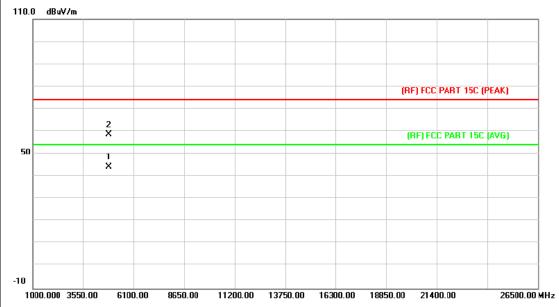


No.	. Mk	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.946	30.67	13.56	44.23	54.00	-9.77	AVG
2		4825.455	43.87	13.57	57.44	74.00	-16.56	peak



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EUT:	Action Camera	Model:	X720					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	DC 3.7V	531	Will be					
Ant. Pol.	Horizontal							
Test Mode:	TX B Mode 2437MHz		The same of the sa					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the						
	prescribed limit.	prescribed limit.						



No.	Mk	. Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4872.851	30.18	13.85	44.03	54.00	-9.97	AVG
2		4873.388	44.63	13.86	58.49	74.00	-15.51	peak



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EUT:	Action Camera	Model:	X720			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V		The second			
Ant. Pol.	Vertical					
Test Mode:	TX B Mode 2437MHz					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					
	prescribed limit.					

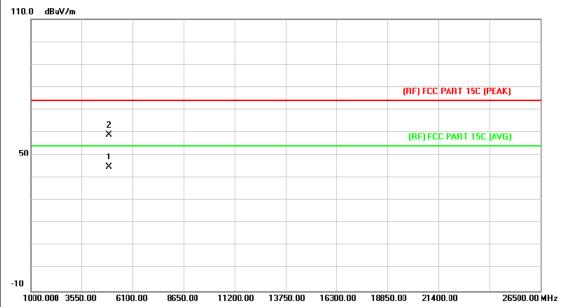


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.747	43.38	13.86	57.24	74.00	-16.76	peak
2	*	4875.221	30.26	13.87	44.13	54.00	-9.87	AVG



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EUT:	Action Camera	Model:	X720				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V						
Ant. Pol.	Horizontal						
Test Mode:	TX B Mode 2462MHz	MILLON					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						

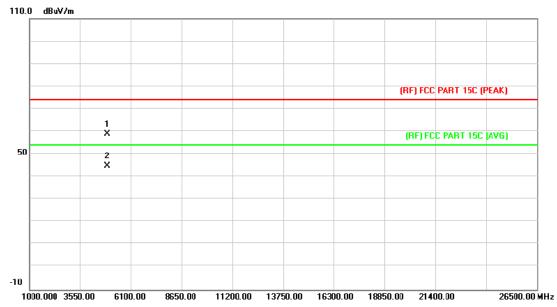


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.538	30.64	14.15	44.79	54.00	-9.21	AVG
2		4923.958	44.69	14.15	58.84	74.00	-15.16	peak



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EUT:	Action Camera	Model:	X720			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V		Tib			
Ant. Pol.	Vertical					
Test Mode:	TX B Mode 2462MHz	WILL DES	THE PARTY OF THE P			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					
	No report for the emission	which more than 10 dE	3 below the			

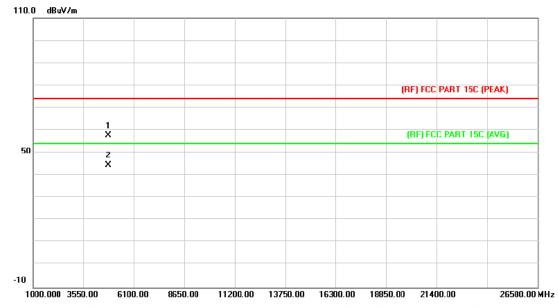


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.144	44.64	14.15	58.79	74.00	-15.21	peak
2	*	4924.651	30.65	14.15	44.80	54.00	-9.20	AVG



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EUT:	Action Camera	Model:	X720				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V		The second				
Ant. Pol.	Horizontal						
Test Mode:	TX G Mode 2412MHz	THE PARTY OF THE P	THE PARTY OF THE P				
Remark:	No report for the emiss	No report for the emission which more than 10 dB below the					
	prescribed limit.						

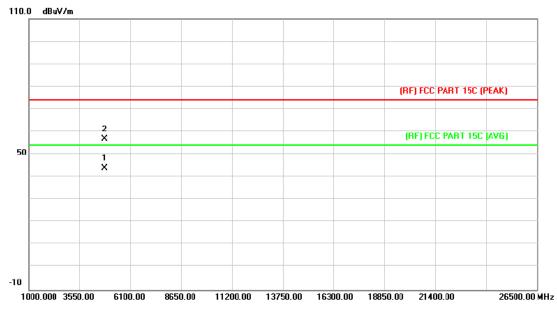


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.042	44.03	13.56	57.59	74.00	-16.41	peak
2	*	4824.066	30.76	13.56	44.32	54.00	-9.68	AVG



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EUT:	Action Camera	Model:	X720				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	31 - 6					
Ant. Pol.	Vertical						
Test Mode:	TX G Mode 2412MHz						
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						
440.0 10.01							



No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.624	30.33	13.56	43.89	54.00	-10.11	AVG
2		4825.293	43.29	13.57	56.86	74.00	-17.14	peak



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EUT:	Action Camera	Model:	X720				
Temperature:	25 ℃	25 °C Relative Humidity: 55%					
Test Voltage:	DC 3.7V	DC 3.7V					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX G Mode 2437MHz	- WILDS					
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	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.796	43.49	13.86	57.35	74.00	-16.65	peak
2	*	4875.452	30.36	13.87	44.23	54.00	-9.77	AVG



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EUT:	Action Camera	Model:	X720				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	DC 3.7V					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX G Mode 2437MHz						
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						
1100 ID VI							



No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.445	44.08	13.86	57.94	74.00	-16.06	peak
2	*	4874.816	30.28	13.86	44.14	54.00	-9.86	AVG



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EUT:	Action Camera	Model:	X720				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	DC 3.7V					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX G Mode 2462MHz		A VIII				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						
l							

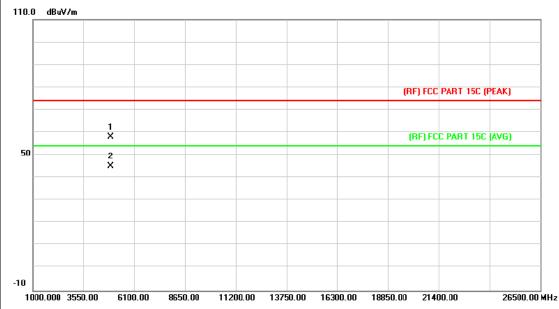


No.		Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	1	k	4922.836	30.75	14.14	44.89	54.00	-9.11	AVG
2			4924.018	44.43	14.15	58.58	74.00	-15.42	peak



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EUT:	Action Camera	Model:	X720			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V					
Ant. Pol.	Vertical					
Test Mode:	TX G Mode 2462MHz	WIII DE	THE PARTY OF THE P			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					
Test Mode:	TX G Mode 2462MHz No report for the emission	which more than 10 dE	3 below the			

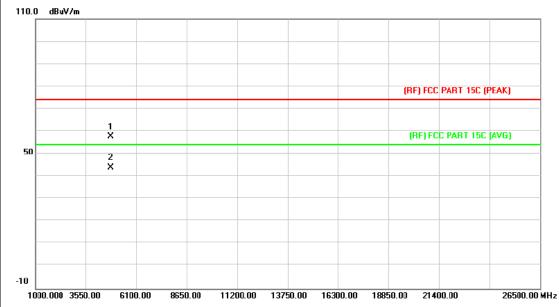


No.	Mk.	Freq.			Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4922.944	43.67	14.14	57.81	74.00	-16.19	peak
2	*	4924.960	30.77	14.15	44.92	54.00	-9.08	AVG



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EUT:	Action Camera	Model:	X720				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	DC 3.7V					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 2412	2MHz	A VIII				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						
l							



No.	Mk	. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.886	44.08	13.56	57.64	74.00	-16.36	peak
2		4824.882	30.24	13.56	43.80	74.00	-30.20	peak



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EUT:	Action Camera	Model:	X720			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V					
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT20) Mode 2412N	1Hz				
Remark:	No report for the emission prescribed limit.	No report for the emission which more than 10 dB below the prescribed limit.				
4400 ID VI						

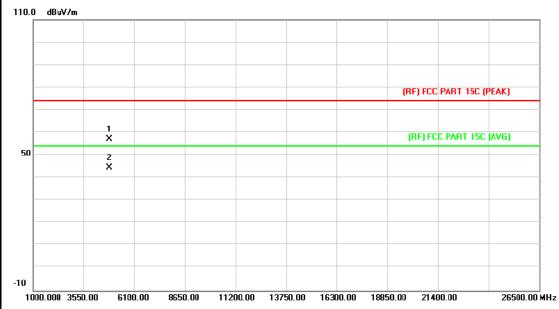


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4822.992	44.32	13.55	57.87	74.00	-16.13	peak
2	*	4825.011	30.14	13.57	43.71	54.00	-10.29	AVG



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EUT:	Action Camera	Model:	X720				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V	DC 3.7V					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 2437N	1Hz	The same of the sa				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						

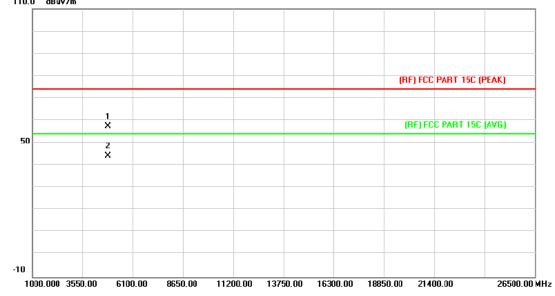


No.	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4872.608	43.28	13.85	57.13	74.00	-16.87	peak
2	*	4874.405	30.53	13.86	44.39	54.00	-9.61	AVG



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EUT:	Action Camera	Model:	X720
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		033
Ant. Pol.	Vertical	W. C.	
Test Mode:	TX N(HT20) Mode 243	37MHz	A HILL
Remark:	No report for the emiss prescribed limit.	sion which more than 10 dl	B below the
110.0 dBuV/m			

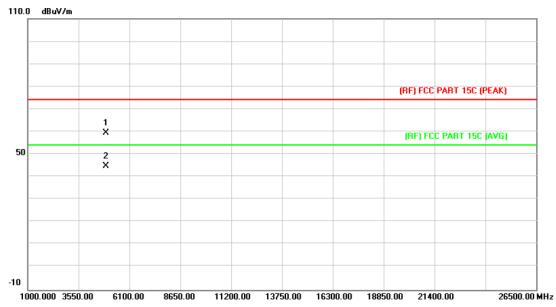


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.747	43.38	13.86	57.24	74.00	-16.76	peak
2	*	4875.221	30.26	13.87	44.13	54.00	-9.87	AVG



Page: 40 of 92

EUT:	Action Camera	Model:	X720			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V		133			
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX N(HT20) Mode 2462MH	z MNDE	2 Aller			
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

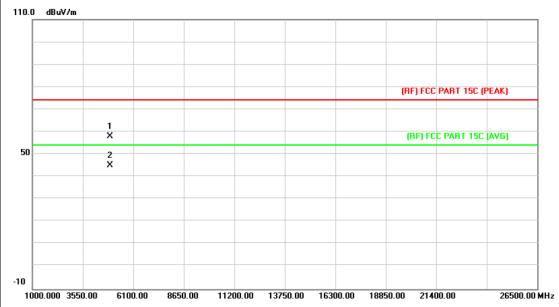


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4922.749	45.36	14.14	59.50	74.00	-14.50	peak
2	*	4925.119	30.46	14.16	44.62	54.00	-9.38	AVG



Page: 41 of 92

EUT:	Action Camera	Model:	X720			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V	10	1133			
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT20) Mode 2462MH	z	2			
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

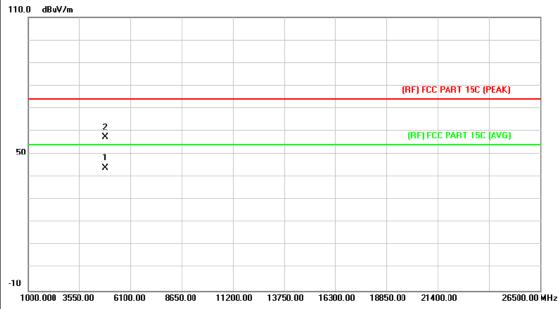


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4922.944	43.67	14.14	57.81	74.00	-16.19	peak
2	*	4924.960	30.77	14.15	44.92	54.00	-9.08	AVG



Page: 42 of 92

EUT:	Action Camera	Model:	X720			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V	DC 3.7V				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX N(HT40) Mode 2422M	Hz	2 100			
Remark:	No report for the emission	No report for the emission which more than 10 dB below the				
	prescribed limit.					
110.0 dBuV/m						

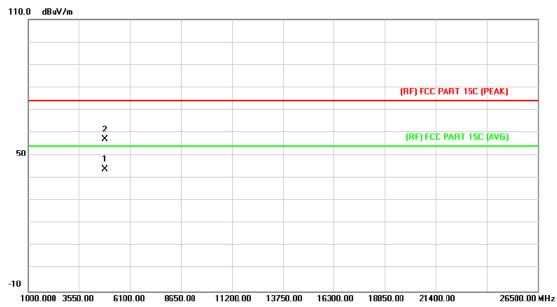


No.	Mk.	Freq.			Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4843.142	30.27	13.68	43.95	54.00	-10.05	AVG
2		4843.235	43.63	13.68	57.31	74.00	-16.69	peak



Page: 43 of 92

EUT:	Action Camera	Model:	X720
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		100
Ant. Pol.	Vertical	10	
Test Mode:	TX N(HT40) Mode 2422MH	z	D. Line
Remark:	No report for the emission versecribed limit.	which more than 10 dB	below the
4400 10111			



No	o. Mk.	Freq.			Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4843.841	30.18	13.68	43.86	54.00	-10.14	AVG
2		4844.642	43.38	13.68	57.06	74.00	-16.94	peak



Page: 44 of 92

EUT:	Action Camera	Model:	X720
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		Will a
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT40) Mode 243	7MHz	A THURSDAY
Remark:	No report for the emiss	ion which more than 10 dl	3 below the
	prescribed limit.		

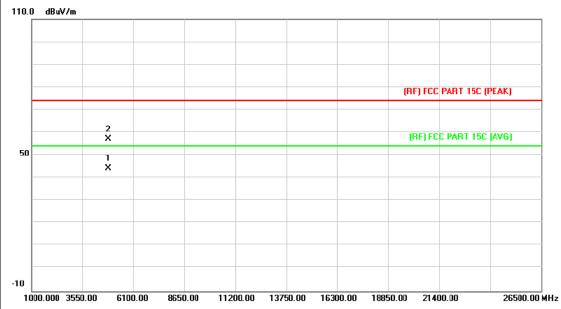


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.553	43.37	13.86	57.23	74.00	-16.77	peak
2	*	4874.486	30.29	13.86	44.15	54.00	-9.85	AVG



Page: 45 of 92

EUT:	Action Camera	Model:	X720
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		Time
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2437M	1Hz	
Remark:	No report for the emission prescribed limit.	which more than 10 dB	3 below the
	procenied mine.		

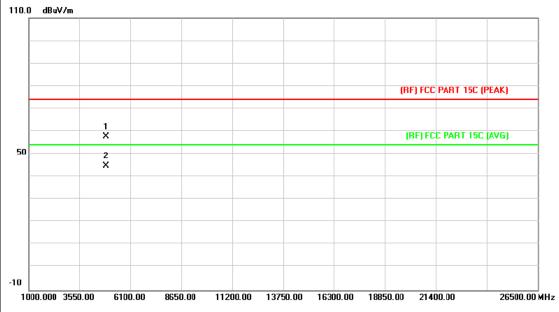


No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.250	30.29	13.86	44.15	54.00	-9.85	AVG
2		4874.213	43.24	13.86	57.10	74.00	-16.90	peak



Page: 46 of 92

EUT:	Action Camera	Model:	X720
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		Tib
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT40) Mode 2452M	Hz	THE PARTY OF THE P
Remark:	No report for the emission	which more than 10 de	B below the
	prescribed limit.	الله مراح	
1100 ID VI			

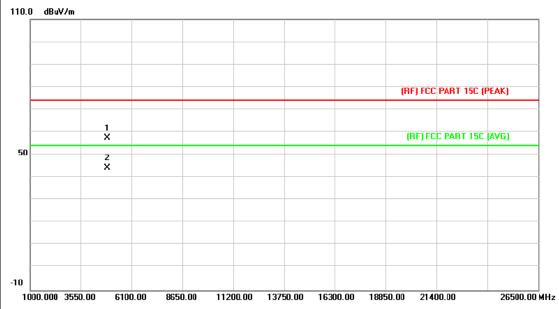


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4903.508	43.72	14.03	57.75	74.00	-16.25	peak
2	*	4905.146	30.60	14.04	44.64	54.00	-9.36	AVG



Page: 47 of 92

EUT:	Action Camera	Model:	X720
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		TUBE
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.	الله مر الا	
4400 10.111			



No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4904.231	43.47	14.03	57.50	74.00	-16.50	peak
2	*	4904.870	30.25	14.03	44.28	54.00	-9.72	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)

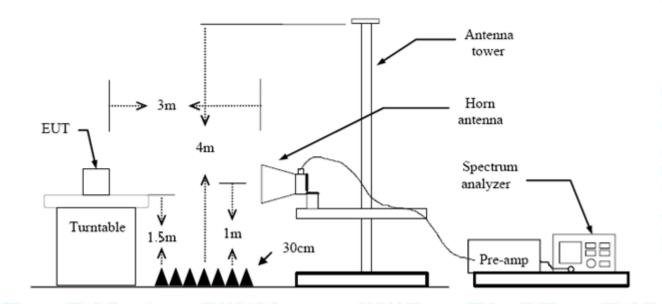
FCC Part 15.209

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

alation i	COL	19 1 1 10						
EUT:		Action C	amera	13	Model:		X720	ART
Temperat	ture:	25 ℃	Allen		Relative H	umidity:	55%	
Test Volta	age:	DC 3.7V		UND		A W		100
Ant. Pol.		Horizonta	al					
Test Mod	le:	TX B Mode 2412MHz						
Remark:		N/A		CAMP		137		10
110.0 dBuV	7/m					4		
					7	* (BE) FOC	PART 15C (PEA	K)
					\sim / \sim	()	\sim	,
				1	· \	(RF) FCC	PART 150 JAV	'G)
50				x/		(117)		
				2/ X			V	-
10								
-10 2343.000	2353.00 236	63.00 237	3.00 2383	3.00 2393.00) 2403.00 24	113.00 2423.	.00	2443.00 M
		Ros	ading	Correct	Measure-			
No. Mk	. Freq.		evel	Factor	ment	Limit	Over	
	MHz	dl	BuV	dB/m	dBuV/m	dBuV/m	dB	Detecto
1	2390.00	0 51	1.40	0.77	52.17	74.00	-21.83	peak
2	2390.00	0 41	1.90	0.77	42.67	54.00	-11.33	AVG

Emission Level= Read Level+ Correct Factor

101.17

105.82

0.86

0.86

102.03

106.68

2412.800

2413.500

Χ

AVG

peak

Fundamental Frequency

Fundamental Frequency



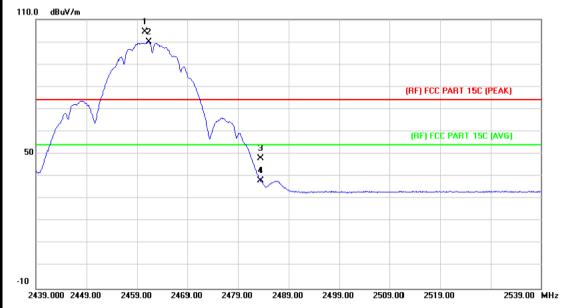
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EUT:			Actio	on C	amera		Model			X720	
Гетр	eratu	re:	25	5 °C Relative Humidity: 55%						ARIN	
est '	Voltag	e:	DC:	3.7V	AD:				630	1133	
۱nt.	Pol.		Vert	ical		" (III)	J. Committee		N W		
est	Mode:		TX E	3 Мо	de 241	2MHz				0 W	N. Carrie
Rema	ark:		N/A	1			1 1		CITE !	35	
110.0	dBuV/m								4 3K		
							/	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	X	PART 15C (PEA	AK)
						1 /	\bigvee		(RF) FC	C PART 15C (A)	/G)
50						×/ 2/ ×				\	
10											
10 <u> </u>	3.000 235	3.00 23	63.00	2373	3.00 2	383.00 2393.	00 2403.	00 241	3.00 2423	3.00	2443.00 MF
No	. Mk.	Fre	q .		ading evel	Correc Factor			Limit	Over	
		MH	Z	d	lBuV	dB/m	dBu	V/m	dBuV/m	dB	Detecto
1		2390.0	000	5	1.47	0.77	52.	24	74.00	-21.76	peak
2		2390.0	000	4	2.52	0.77	43.	29	54.00	-10.71	AVG
3	*	2412.8	800	10	2.30	0.86	103	.16	Fundament	tal Frequency	AVG
	Χ	2413.4	ınn	10	6.94	0.86	107	80	Franksis sa	tal Frequency	peak



Page: 52 of 92

EUT:	Action Camera	Model:	X720
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		TIES TO THE TOTAL PROPERTY OF THE PROPERTY OF
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2462MHz	WILL SE	
Remark:	N/A		33 _ 0



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2460.600	103.50	1.06	104.56	Fundamenta	I Frequency	peak
2	*	2461.300	98.97	1.07	100.04	Fundamenta	al Frequency	AVG
3		2483.500	46.77	1.17	47.94	74.00	-26.06	peak
4		2483.500	36.93	1.17	38.10	54.00	-15.90	AVG



2483.500

36.76

Emission Level= Read Level+ Correct Factor

1.17

37.93

54.00

-16.07

Report No.: TB-FCC154685

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EUT:	Action Camera	a	Model:	>	(720	
Temperature:	25 ℃	130	Relative Hu	midity: 5	55%	N. Carrie
Test Voltage:	DC 3.7V					
Ant. Pol.	Vertical					
Test Mode:	TX B Mode 24	l62MHz	MILL		a 113	
Remark:	N/A		1			
110.0 dBuV/m						
50	× × × × × × × × × × × × × × × × × × ×	3 × 4			ART 15C (PEAK	
-10 2439.000 2449.00	2459.00 2469.00	2479.00 2489.00	2499.00 2	509.00 2519.0	00 2:	539.00 MHz
No. Mk. F	Reading req. Level	g Correct Factor	Measure- ment	Limit	Over	
M	lHz dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1 X 2460	0.500 102.46	1.06	103.52	Fundamental	Frequency	peak
2 * 2461	1.300 97.54	1.07	98.61	Fundamental	Frequency	AVG
3 2483	3.500 46.57	1.17	47.74	74.00	-26.26	peak

AVG



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EUT: Act		Actio	Action Camera			Model:			X720		
Tem	perati	ure:	25 °	Č	e Till	A. CAR	Relati	ve Hu	midity:	55%	A RIVE
Test	t Volta	ge:	DC :	3.7V	A Prince	- 45	D'A		60	11/189	
Ant.	Pol.		Hori	zonta	al	ART			J. F.		
Test	t Mode) :	TX	Э Мо	de 241	2MHz		1110		A W	
Ren	nark:		N/A	W			1			33	
110.0) dBuV/i	m									
										4	
										3 K	
									(BE) EC	PART 15C (PEA	(K)
									,	77111 155 (121	,
							1 X	أسر	(RF) F	CC PART 15C (A)	/G)
50											
							2				
							No.				
-10											
	34.000 2	344.00 2	354.00	2364	.00 23	74.00 2384.0	0 2394	1.00 2	404.00 241	4.00	2434.00 MH
				Rea	ading	Correct	Mea	sure-			
No	o. Mk	. Fre	q.	Le	evel	Factor	me	ent	Limit	Over	
		MH	Z	dl	BuV	dB/m	dBu	V/m	dBuV/m	dB	Detector
		2390.0	000	55	5.59	0.77	56	.36	74.00	-17.64	peak
1		2200 (200	39	9.26	0.77	40	.03	54.00	-13.97	AVG
1		2390.0	JUU								
1 2 3	*	2413.4			2.21	0.86	93	.07	Fundamer	ntal Frequency	AVG



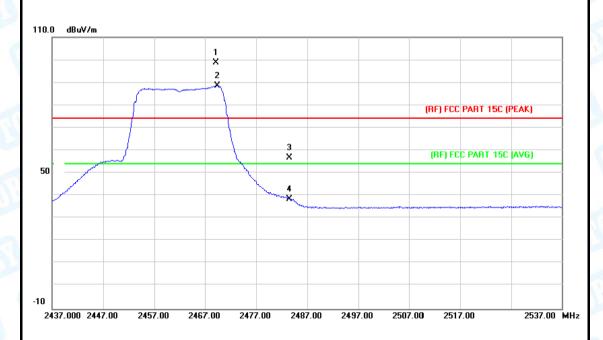
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EUT:		Action Camera				Mod	lel:		X720		
Temp	eratu	re:	25 °	C		10	Rela	tive H	umidity:	55%	The same
Test \	/oltag	ge:	DC 3	3.7V	A Prince		210		GU	1:33	
Ant. F	ol.		Verti	cal		BRO					
Test N	Node	:	TX C	Э Мо	de 2412	2MHz	6	4/10		2 M	A Laboratory
Rema	rk:		N/A	1/7) A			19	_ (
110.0	dBuV/m										
										4 ×	
										3 3	
									(BE) FCC	DADT 1EC (DEA	<u></u>
									(RF) FCC	PART 15C (PEA	K)
							1		(DE) EC	C PART 15C AV	6)
50							X	Commence of the second	(HF) FC	C PART TOCHAY	0)
							2				
					وسرر واستخدار						
			_								
-10	000 234		354.00	2364	00 00	74.00 2384.0) 2394	1.00	104.00 2414		2434.00 MF
2334.	000 23-	14.00 2.	754.00	2304	.00 237	4.00 2304.0	J 233-	4.00 2.	104.00 241 <i>4</i>		2434.00 MT
No.	Mk	. Fre	q.		ading evel	Correct Factor		asure- ent	Limit	Over	
		MH	Z	d	BuV	dB/m	dB	uV/m	dBuV/m	dB	Detecto
		2390.	000	5	5.20	0.77	55	5.97	74.00	-18.03	peak
1				3	8.63	0.77	39	9.40	54.00	-14.60	AVG
2		2390.	000	- 0							
	*	2390. 2415.			1.29	0.88	92	2.17	Fundament	al Frequency	AVG



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EUT:	Action Camera	Model:	X720
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz	MILLER	THE PERSON NAMED IN
Remark:	N/A		10



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2469.000	97.64	1.11	98.75	Fundamental I	Frequency	peak
2	*	2469.300	87.44	1.11	88.55	Fundamental	Frequency	AVG
3		2483.500	55.49	1.17	56.66	74.00	-17.34	peak
4		2483.500	37.35	1.17	38.52	54.00	-15.48	AVG



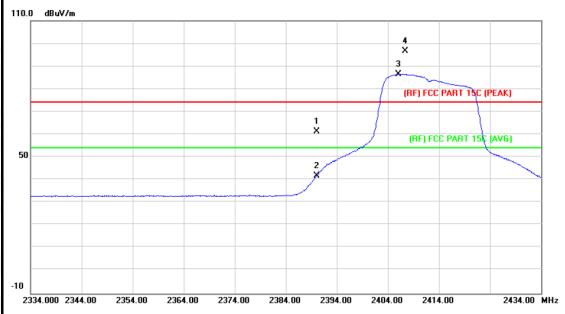
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EU	T:		Actio	on Camer	a	Model:		X720	
Ter	nperat	ure:	25 °	C	TO DE	Relative	Humidity:	55%	A Bridge
Tes	st Volta	ige:	DC:	3.7V		2.0	(III)	1133	
An	t. Pol.		Vert	ical					
Tes	st Mod	e:	TX (G Mode 2	462MHz	11111		a W	A Barre
Re	mark:		N/A	An		1		13	
110	0.0 dBuV	'm							
				1 × 2 ×			(RF) FCC	PART 15C (PEA	K)
5	0			\	3 %		(RF) FC	PART 15C (AV	G)
					×				
-10									
	2437.000 a		2457.00 ⊖q.	Reading Level	g Correct Factor	Measure	2507.00 2517 Limit	Over	2537.00 MH
		MH	z	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detecto
	X	2469.	200	97.35	1.11	98.46	Fundamenta	al Frequency	peak
1			200	87.50	1.11	88.61	Fundamenta	al Frequency	AVG
_	*	2469.	300	07.50					
2	*	2469. 2483.		51.89	1.17	53.06	74.00	-20.94	peak



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١	EUT:	Action Camera	Model:	X720				
	Temperature:	25 ℃ Relative Humidity: 55%						
	Test Voltage:	DC 3.7V						
	Ant. Pol.	Horizontal	Horizontal					
	Test Mode:	TX N(HT20) Mode 2412MHz						
	Remark:	N/A						
	·	·	·					

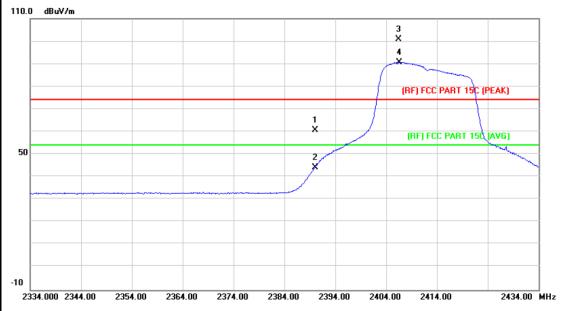


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	60.60	0.77	61.37	74.00	-12.63	peak
2		2390.000	40.85	0.77	41.62	54.00	-12.38	AVG
3	*	2406.000	85.69	0.84	86.53	Fundamental	Frequency	AVG
4	Χ	2407.400	95.91	0.85	96.76	- Fundamental	Frequency	peak



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EUT:	Action Camera	Model:	X720			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V					
Ant. Pol.	Vertical					
Test Mode:	TX N(HT20) Mode 2412M	Hz				
Remark:	N/A		133			



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	59.74	0.77	60.51	74.00	-13.49	peak
2		2390.000	43.44	0.77	44.21	54.00	-9.79	AVG
3	X	2406.500	100.10	0.84	100.94	Fundamental Frequency		peak
4	*	2406.600	89.96	0.84	90.80	Fundamental Frequency		AVG



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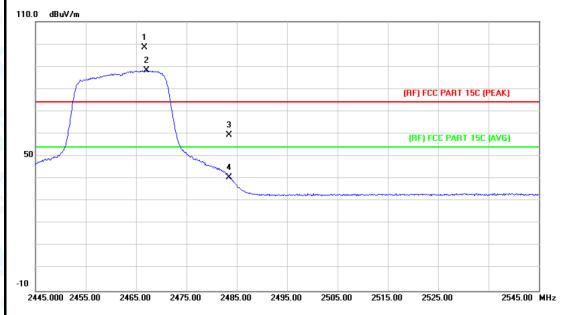
EUT:	Action	n Camera		Model:		X720	3013	
Temperature:	Carry'	M.	Relative Humidity:			55%		
Test Voltage:	DC 3.	7V		111	(all	1133		
Ant. Pol.	Horiz	ontal	AMOR					
Test Mode:	TX N	(HT20) Mod	le 2462MHz			2 11	Mes	
Remark:	N/A	M. S. Commercial Comme	1	1		13	_ (
110.0 dBuV/m								
	2 X 1				(RF) FCC F	PART 15C (PEA)	()	
		3 3			(RF) FCC	PART 15C (AVC	j)	
50								
V F		4 X						

-10								
2445.000 2455.00	0 2465.00	2475.00 248	5.00 2495.00	2505.00 2	515.00 2525.	00 2	2545.00 MH:	
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detecto	
1 * 2	466.800	84.73	1.10	85.83	Fundamental F	requency	AVG	
2 X 2	467.000	95.31	1.10	96.41	Fundamental F	requency	peak	
3 24	483.500	56.85	1.17	58.02	74.00	-15.98	peak	
4 24	483.500	37.01	1.17	38.18	54.00	-15.82	AVG	



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EUT:	Action Camera	Model:	X720				
Temperature:	25 ℃	55%					
Test Voltage:	DC 3.7V						
Ant. Pol.	Vertical						
Test Mode:	TX N(HT20) Mode 2462MHz						
Remark:	Remark: N/A						

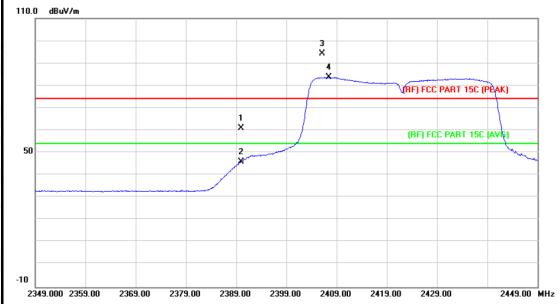


No. Mk.		. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2466.700	97.26	1.10	98.36	Fundamental Frequency		peak
2	*	2467.000	87.21	1.10	88.31	Fundamental Frequency		AVG
3		2483.500	58.14	1.17	59.31	74.00	-14.69	peak
4		2483.500	39.36	1.17	40.53	54.00	-13.47	AVG



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EUT:	Action Camera	Model:	X720				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	DC 3.7V						
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT40) Mode 2422MH	TX N(HT40) Mode 2422MHz					
Remark:	N/A						

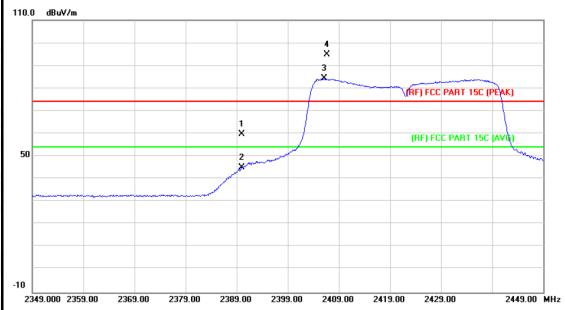


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	60.19	0.77	60.96	74.00	-13.04	peak
2		2390.000	45.17	0.77	45.94	54.00	-8.06	AVG
3	X	2406.200	93.49	0.84	94.33	Fundamental Frequency		peak
4	*	2407.500	82.86	0.85	83.71	Fundamental Frequency		AVG



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į,	EUT:	Action Camera	Model:	X720				
}	Temperature:	25 ℃	55%					
	Test Voltage:	Voltage: DC 3.7V						
Ant. Pol. Vertical								
d	Test Mode:	TX N(HT40) Mode 2422MH:	z MMD	2				
	Remark:	N/A						

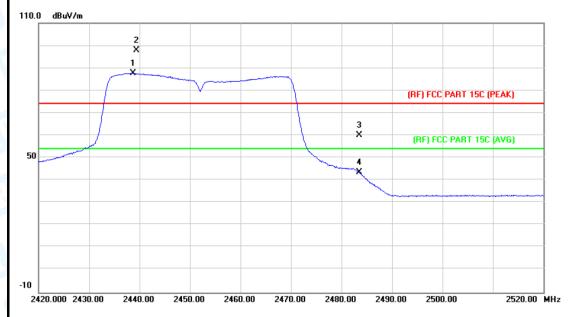


No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	59.04	0.77	59.81	74.00	-14.19	peak
2		2390.000	44.39	0.77	45.16	54.00	-8.84	AVG
3	*	2406.100	83.45	0.84	84.29	Fundamental Frequency		AVG
4	Χ	2406.700	94.02	0.84	94.86	Fundamental	Frequency	peak



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EUT:	Action Camera	Model:	X720				
Temperature:	25 °C Relative Humidity: 55%						
Test Voltage:	DC 3.7V						
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT40) Mode 2452M	TX N(HT40) Mode 2452MHz					
Remark:	N/A						

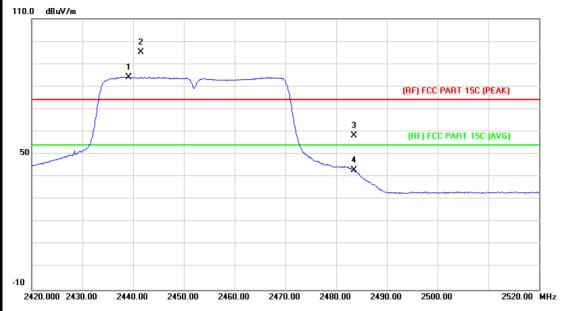


No. Mk.		. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2438.700	86.78	0.98	87.76	Fundamental Frequency		AVG
2	Χ	2439.400	97.00	0.98	97.98	Fundamental Frequency		peak
3		2483.500	58.76	1.17	59.93	74.00	-14.07	peak
4		2483.500	42.43	1.17	43.60	54.00	-10.40	AVG

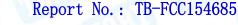


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1	EUT:	Action Camera	Model:	X720 55%					
	Temperature:	25 ℃	Relative Humidity:						
	Test Voltage:	DC 3.7V							
	Ant. Pol.	Vertical							
	Test Mode:	TX N(HT40) Mode 2452MI	TX N(HT40) Mode 2452MHz						
	Remark:	N/A							



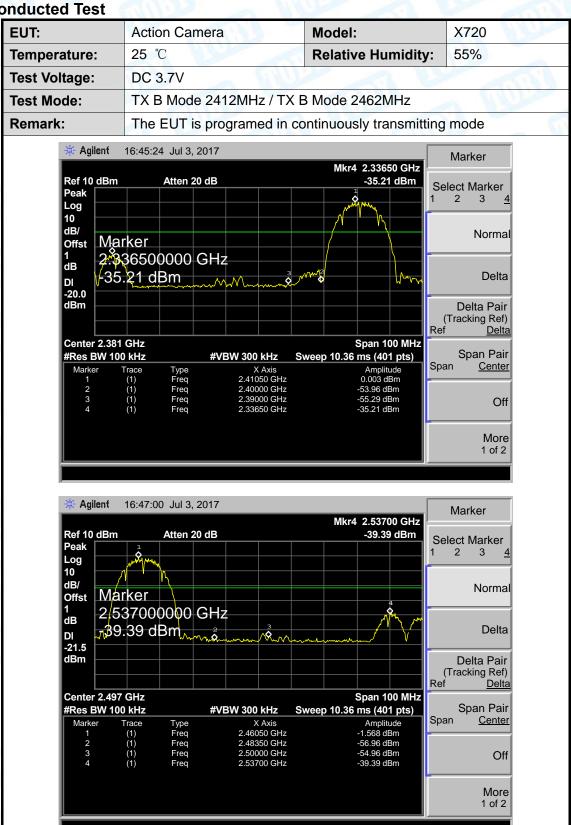
No. Mk.		. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2439.100	83.20	0.98	84.18	Fundamental Frequency		AVG
2	Χ	2441.600	94.09	0.99	95.08	Fundamental Frequency		peak
3		2483.500	57.23	1.17	58.40	74.00	-15.60	peak
4		2483.500	41.73	1.17	42.90	54.00	-11.10	AVG





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(2) Conducted Test





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	Action Camera	Model:	X/	'20
perature:	25 ℃	Relative H	umidity: 55	%
Voltage:	DC 3.7V	1000	(ATTE	19
Mode:	TX G Mode 2412N	MHz / TX G Mode 2462	2MHz	
ark:	The EUT is progra	med in continuously to	ransmitting mo	de
* Agilent	16:49:42 Jul 3, 2017		Mai	·ker
Ref 10 dBm	Atten 20 dB	Mkr1 2.41	700 GHz	
Peak Log	7 11311 20 112		<u>1 2</u>	Marker <u>3 4</u>
10	 		*	
	rker			Normal
	17000000 GHz	3 2		Dolto
DI -/.	937 dBm	······································		Delta
dBm				elta Pair king Ref)
Carrian O SE	CUI		Ref	Delta
Center 2.377 #Res BW 10	0 kHz #VBW 3	300 kHz Sweep 10.36 ms (4	0	oan Pair
1	Trace Type (1) Freq 2.	.41700 GHz -7.937		Center
2	(1) Freq 2.	.40000 GHz -50.29	TOTAL TOTAL	
3	(1) Freq 2.	.39000 GHz -53.74	dBm	Off
3 4	(1) Freq 2.		dBm	Off
3 4	(1) Freq 2. (1) Freq 2.	.39000 GHz -53.74	dBm	Off More 1 of 2
3 4	(1) Freq 2. (1) Freq 2.	.39000 GHz -53.74	dBm	More
4		.39000 GHz -53.74	dBm	More
3 4 4 ★ Agilent	(1) Freq 2. (1) Freq 2. (2) Freq 2. (3) Freq 2. (4) Freq 2. (4) Freq 2. (5) Freq 2. (6) Freq 3. (6) Freq 4. (6) Freq 4. (6) Freq 5. (6) Fr	.39000 GHz -53.74 .36925 GHz -54.88	d dBm d dBm	More 1 of 2
# Agilent		.39000 GHz -53.74 .36925 GHz -54.88	d dBm d dBm	More 1 of 2
# Agilent Ref 10 dBm Peak Log ↓	16:50:43 Jul 3, 2017	.39000 GHz -53.74 .36925 GHz -54.88	S575 GHz	More 1 of 2
Agilent Ref 10 dBm Peak Log 10 dB/	16:50:43 Jul 3, 2017 Atten 20 dB	.39000 GHz -53.74 .36925 GHz -54.88	5575 GHz 5555 dBm Select	More 1 of 2 ker
Ref 10 dBm Peak Log 10 dB/ Offst Ma	16:50:43 Jul 3, 2017 Atten 20 dB	.39000 GHz -53.74 .36925 GHz -54.88	5575 GHz 5555 dBm Select	More 1 of 2 ker Marker 3 4
Ref 10 dBm Peak Log 10 dB/ Offst 1 dB 2.4	16:50:43 Jul 3, 2017 Atten 20 dB rker 55750000 GHz	39000 GHz -53.74 36925 GHz -54.88 Mkr1 2.45 -7.9	5575 GHz 5555 dBm Select	More 1 of 2 ker Marker 3 4
Ref 10 dBm Peak Log 10 dB/ Offst 1 dB DI -27.9	16:50:43 Jul 3, 2017 Atten 20 dB	39000 GHz -53.74 36925 GHz -54.88 Mkr1 2.45 -7.9	5575 GHz 5575 GHz 555 dBm Select 1 2	More 1 of 2 ker Marker 3 4 Normal
Ref 10 dBm Peak Log 10 dB/ Offst 1 dB DI -7.5	16:50:43 Jul 3, 2017 Atten 20 dB rker 55750000 GHz	39000 GHz -53.74 36925 GHz -54.88 Mkr1 2.45 -7.9	S575 GHz 5575 GHz 5575 dBm Select 1 2	More 1 of 2 ker Marker 3 4 Normal Delta Delta Pair king Ref)
Ref 10 dBm Peak Log 10 dB/ Offst 1 dB DI -27.9 dBm	Atten 20 dB Atten 20 dB rker 55750000 GHz	39000 GHz -53.74 36925 GHz -54.88 Mkr1 2.48 -7.9	S575 GHz Select 1 2	More 1 of 2 ker Marker 3 4 Normal Delta Placeta Pair king Ref) Delta
Ref 10 dBm Peak Log 10 dB/ Offst 1 dB 2.4 DI -27.9 dBm Center 2.5 G #Res BW 10	Atten 20 dB Atten 20 dB rker 55750000 GHz 955 dBm	39000 GHz -53.74 36925 GHz -54.88 Mkr1 2.45 -7.9 Span 300 kHz Sweep 10.36 ms (4	5575 GHz 5575 GHz 155 dBm Select 1 2 2 100 MHz 401 pts) Si	More 1 of 2 ker Marker 3 4 Normal Delta Delta plan Ref) Delta Denta
Ref 10 dBm Peak Log 10 dB/ Offst 1 dB DI -27.9 dBm Center 2.5 G #Res BW 10 Marker	Atten 20 dB Atten 20 dB rker 55750000 GHz 955 dBm å hz hz hz hz hkz hkz rkez Trace Type	Mkr1 2.45 -7.9 Span 300 kHz Sweep 10.36 ms (4	S575 GHz S575 GHz S575 GHz Select 1 2 100 MHz 101 Mts Span	More 1 of 2 ker Marker 3 4 Normal Delta Placeta Pair king Ref) Delta
Ref 10 dBm Peak Log 10 dB/ Offst 1 dB DI -27.9 dBm Center 2.5 G #Res BW 10 Marker	Atten 20 dB Rker 55750000 GHz 955 dBm 2 0 kHz Trace (1) Freq (1) Freq (2) (1) Freq (2) (1) Freq (2) (1) Freq (2)	Mkr1 2.45 -7.9 Mkr1 2.45 -7.9 Span 300 kHz Sweep 10.36 ms (4 X Axis Amp	S575 GHz S5575 GHz S5575 GHz Select 1 2 The select of the	More 1 of 2 ker Marker 3 4 Normal Delta Delta plan Ref) Delta Denta
Ref 10 dBm Peak Log 10 dB/ Offst 1 dB DI -7.5 -27.9 dBm Center 2.5 G #Res BW 10 Marker 1 2 3	Atten 20 dB Atten 20 dB rker 55750000 GHz 955 dBm. 2 0 kHz #VBW 3 Trace Type (1) Freq 2. (1) Freq 2.	Mkr1 2.45 -7.9 Mkr1 2.45 -7.9 Span 300 kHz Sweep 10.36 ms (4 X Axis -7.95 -55.48 Amy 45575 GHz -7.95 -55.48	S575 GHz S5575 GHz S5575 GHz Select 1 2 The select of the	More 1 of 2 Ricker Marker 3 4 Normal Delta Planta Pair king Ref) Delta Dan Pair Center





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	Ad	ction Car	nera		Model:		X720
rature:	25	°C	CALL!		Relative	Humidity:	55%
oltage:	D	C 3.7V	A Prince		STATE OF	- 6	TO VIEW
ode:	T	N(HT2	O) Mod	le 2412MH	Hz / TX N(H	IT20) Mode	2462MHz
k:	Th	ne EUT is	s progr	amed in c	ontinuously	y transmittin	ng mode
* Agil	ent 16	:52:44 Jul 3	3, 2017				Marit
			,		Mkr1	2.40900 GHz	Marker
Ref 10 Peak	dBm	Atten	20 dB			-9.751 dBm	Select Marker
Log 10					2	~~~	<u>1 2 3 4</u>
dB/	Mark	ar .					Normal
1		000000	GHz				
dB Di		1 dBm			2	ham	Delta
-29.7 dBm							Delta Pair
							(Tracking Ref) Ref Delta
	2.38 GH:					Span 100 MHz	
Marke		е Туре		X Axis	Sweep 10.36	Amplitude	Span Pair Span <u>Center</u>
1	(1)	Freq		2.40900 GHz		-9.751 dBm	
2	(1)	Freq		2.40000 GHz		-53.84 dBm	
	(1) (1) (1)	Freq					Off
2 3 4	(1) (1) (1)	Freq Freq Freq		2.40000 GHz 2.39000 GHz		-53.84 dBm -53.59 dBm	
2 3	(1) (1) (1)	Freq		2.40000 GHz 2.39000 GHz		-53.84 dBm -53.59 dBm -57.36 dBm	More
2 3 4	(1) (1) (1)	Freq Freq Freq		2.40000 GHz 2.39000 GHz		-53.84 dBm -53.59 dBm	More 1 of 2 Marker Select Marker
Agil Ref 10 Peak Log	(1) (1) (1)	Freq Freq Freq	3, 2017	2.40000 GHz 2.39000 GHz		-53.84 dBm -53.59 dBm -57.36 dBm	More 1 of 2 Marker
# Agil Ref 10 Peak Log 10 dB/	(1) (1) (1)	Freq Freq Freq 254:06 Jul 3	3, 2017	2.40000 GHz 2.39000 GHz		-53.84 dBm -53.59 dBm -57.36 dBm	More 1 of 2 Marker Select Marker
Agil Ref 10 Peak Log 10 dB/ Offst	ent 16	Freq Freq Freq Freq Freq Freq Freq Freq	3, 2017 20 dB	2.40000 GHz 2.39000 GHz 2.36475 GHz		-53.84 dBm -53.59 dBm -57.36 dBm	Marker Select Marker 1 2 3 4
Ref 10 Peak Log 10 dB/ Offst 1 dB	ent 16 dBm Mark 2.455	Freq Freq Freq 254:06 Jul 3	3, 2017 20 dB	2.40000 GHz 2.39000 GHz 2.36475 GHz		-53.84 dBm -53.59 dBm -57.36 dBm	Marker Select Marker 1 2 3 4
Ref 10 Peak Log 10 dB/ Offst 1 dB DI -30.1	ent 16 dBm Mark 2.455	Freq Freq Freq 254:06 Jul 3 Atten	3, 2017 20 dB	2.40000 GHz 2.39000 GHz 2.36475 GHz	Mkr1	-53.84 dBm -53.59 dBm -57.36 dBm	Marker Select Marker 1 2 3 4 Normal
Ref 10 Peak Log 10 dB/ Offst 1 dB	ent 16 dBm Mark 2.455	Freq Freq Freq 254:06 Jul 3 Atten	3, 2017 20 dB	2.40000 GHz 2.39000 GHz 2.36475 GHz	Mkr1	-53.84 dBm -53.59 dBm -57.36 dBm	Marker Select Marker 1 2 3 4 Normal Delta Pair (Tracking Ref)
Ref 10 Peak Log 10 dB/ Offst 1 dB DI -30.1 dBm	ent 16 dBm Mark. 2.459	Atten 254:06 Jul 3 Atten 250000 8 dBm	3, 2017 20 dB	2.40000 GHz 2.39000 GHz 2.36475 GHz	Mkr1	-53.84 dBm -53.59 dBm -57.36 dBm 2.45925 GHz -10.18 dBm	More 1 of 2 Marker Select Marker 1 2 3 4 Normal Delta Delta Pair (Tracking Ref) Ref Delta
Ref 10 Peak Log 10 dB/ Offst 1 dB Di -30.1 dBm Center #Res B	ent 16 dBm Mark 2.459 -10.1	Atten Atten 254:06 Jul 3 Atten 259:0000 8 dBm	3, 2017 20 dB	2.40000 GHz 2.39000 GHz 2.36475 GHz 2.36475 GHz	Mkr1	-53.84 dBm -53.59 dBm -57.36 dBm 2.45925 GHz -10.18 dBm Span 100 MHz ms (401 pts) Amplitude	Marker Select Marker 1 2 3 4 Normal Delta Pair (Tracking Ref)
Ref 10 Peak Log 10 dB/ Offst 1 dB DI -30.1 dBm Center #Res B Marke 1 2	ent 16 dBm Mark 2.455 -10.1	Atten Atten 250000 8 dBm	3, 2017 20 dB OGHZ	2.40000 GHz 2.39000 GHz 2.36475 GHz 2.36475 GHz 3.45025 GHz 2.45925 GHz 2.48350 GHz	Mkr1	-53.84 dBm -53.59 dBm -57.36 dBm 2.45925 GHz -10.18 dBm Span 100 MHz ms (401 pts) Amplitude -10.18 dBm -55.17 dBm	More 1 of 2 Marker Select Marker 1 2 3 4 Normal Delta Delta Pair (Tracking Ref) Pelta Span Pair Span Center
Ref 10 Peak Log 10 dB/ Offst 1 dB DI -30.1 dBm Center #Res B	ent 16 dBm Marki 2.455 -10.1	Atten Atten 254:06 Jul 3 Atten 259:000 8 dBm	3, 2017 20 dB GHz	2.40000 GHz 2.39000 GHz 2.36475 GHz 2.36475 GHz 2.45925 GHz X Axis 2.45925 GHz	Mkr1	-53.84 dBm -53.59 dBm -57.36 dBm 2.45925 GHz -10.18 dBm Span 100 MHz ms (401 pts) Amplitude -10.18 dBm	More 1 of 2 Marker Select Marker 1 2 3 4 Normal Delta Delta Pair (Tracking Ref) Ref Delta Span Pair
Ref 10 Peak Log 10 dB/ Offst 1 dB DI -30.1 dBm Center #Res B Marke 1 2 3	ent 16 dBm Mark 2.455 -10.1	Atten Atten 254:06 Jul 3 Atten 259:000 8 dBm	3, 2017 20 dB GHz	2.40000 GHz 2.39000 GHz 2.36475 GHz 2.36475 GHz 2.48350 GHz 2.48350 GHz 2.50000 GHz	Mkr1	2.45925 GHz -10.18 dBm Span 100 MHz ms (401 pts) Amplitude -10.18 dBm -55.17 dBm -56.99 dBm	More 1 of 2 Marker Select Marker 1 2 3 4 Normal Delta Delta Pair (Tracking Ref) Pelta Span Pair Span Center



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JT:	Action Camer	a	Model:	X720
mperature:	25 ℃	MAD "	Relative Humidity:	55%
st Voltage:	DC 3.7V		37	1133
st Mode:	TX N(HT40) N	Mode 2422MH	z / TX N(HT40) Mode 2	2452MHz
emark:	The EUT is pr	rogramed in co	ontinuously transmitting	g mode
* Agilent	16:56:25 Jul 3, 20)17	Γ	Marker
D-640 dD		-ID	Mkr1 2.42300 GHz	Iviaikei
Ref 10 dBr Peak	n Atten 20 o	ab	-15.43 dBm	Select Marker
Log 10			1	
dB/ Offst	arker			Normal
	423000000 G	iHz /		
	5.43 dBm		have	Delta
-35.4 dBm				Delta Pair
				(Tracking Ref) Ref <u>Delta</u>
Center 2.4 #Res BW 1		#VBW 300 kHz	Span 100 MHz Sweep 10.36 ms (401 pts)	Span Pair
Marker 1	Trace Type (1) Freq	X Axis 2.42300 GHz	-15.43 dBm	Span <u>Center</u>
2 3	(1) Freq (1) Freq (1) Freq (1) Freq	2.40000 GHz 2.39000 GHz	-55.27 dBm -55.19 dBm	Off
	(4)		EC 00 -ID	
4	(1) Freq	2.37225 GHz	-56.93 dBm	
4	(1) Freq	2.37225 GHz	-56.93 dBm	More
4	(1) Freq	2.37225 GHz	-56.93 dBm	More
	(1) Freq	2.37225 GHz	-56.93 dBm	More
4 Agilent	(1) Freq 16:57:32 Jul 3, 20			More
Agilent	16:57:32 Jul 3, 20	017	Mkr1 2.44425 GHz	More 1 of 2
Ref 10 dBr Peak Log	16:57:32 Jul 3, 20	017	Mkr1 2.44425 GHz	More 1 of 2 Marker Select Marker
Ref 10 dBr Peak Log 10	16:57:32 Jul 3, 20 n Atten 20 c	017	Mkr1 2.44425 GHz -15.81 dBm	More 1 of 2 Marker Select Marker 2 3 4
Ref 10 dBr Peak Log 10 dB/ Offst	16:57:32 Jul 3, 20 n Atten 20 o	017 dB	Mkr1 2.44425 GHz -15.81 dBm	More 1 of 2 Marker Select Marker
Ref 10 dBr Peak Log 10 dB/ Offst M 1 dB	16:57:32 Jul 3, 20 n Atten 20 of the second	olf7 dB	Mkr1 2.44425 GHz -15.81 dBm	More 1 of 2 Marker Select Marker 2 3 4
Ref 10 dBr Peak Log 10 dB/ Offst M 1 dB 2. dB DI -35.8	16:57:32 Jul 3, 20 n Atten 20 o	017 dB	Mkr1 2.44425 GHz -15.81 dBm	More 1 of 2 Marker Select Marker 2 3 4 Normal
Ref 10 dBr Peak Log 10 dB/ Offst 1 dB DI	16:57:32 Jul 3, 20 n Atten 20 of the second	olf7 dB	Mkr1 2.44425 GHz -15.81 dBm	More 1 of 2 Marker Select Marker 2 3 4 Normal Delta Delta Pair (Tracking Ref)
Ref 10 dBr Peak Log 10 dB/ Offst 1 dB DI -35.8 dBm Center 2.4	16:57:32 Jul 3, 20 n Atten 20 of the state o	dB SHz	Mkr1 2.44425 GHz -15.81 dBm	More 1 of 2 Marker Select Marker 2 3 4 Normal Delta Delta Pair (Tracking Ref) Ref Delta
Ref 10 dBr Peak Log 10 dB/ Offst 1 dB DI -35.8 dBm	16:57:32 Jul 3, 20 n Atten 20 of the second	dB SHz	Mkr1 2.44425 GHz -15.81 dBm 1 Span 100 MHz Sweep 10.36 ms (401 pts)	More 1 of 2 Marker Select Marker 2 3 4 Normal Delta Delta Pair (Tracking Ref)
Ref 10 dBr Peak Log 10 dB/ Offst 1 dB 2. dB DI -35.8 dBm Center 2.4 #Res BW 1 Marker 1 2	16:57:32 Jul 3, 20 n Atten 20 of the second	#VBW 300 kHz X Axis 2.44425 GHz 2.48350 GHz	Mkr1 2.44425 GHz -15.81 dBm Span 100 MHz Sweep 10.36 ms (401 pts) Amplitude -15.81 dBm -56.31 dBm	More 1 of 2 Marker Select Marker 2 3 4 Normal Delta Delta Delta Pair (Tracking Ref) Ref Delta Span Pair
Ref 10 dBr Peak Log 10 dB/ Offst 1 dB 2. dB DI -35.8 dBm Center 2.4' #Res BW 1	16:57:32 Jul 3, 20 n Atten 20 of the second	#VBW 300 kHz X Axis 2.44425 GHz	Mkr1 2.44425 GHz -15.81 dBm Span 100 MHz Sweep 10.36 ms (401 pts) Amplitude -15.81 dBm	More 1 of 2 Marker Select Marker 2 3 4 Normal Delta Delta Delta Pair (Tracking Ref) Ref Delta Span Pair
Ref 10 dBr Peak Log 10 dB/ Offst 1 dB DI -35.8 dBm Center 2.4 #Res BW 1 Marker 1 2 3	16:57:32 Jul 3, 20 n Atten 20 of the second	#VBW 300 kHz X Axis 2.44425 GHz 2.48350 GHz 2.50000 GHz	Mkr1 2.44425 GHz -15.81 dBm 3 9 9 Span 100 MHz Sweep 10.36 ms (401 pts) Amplitude -15.81 dBm -56.31 dBm -56.88 dBm	More 1 of 2 Marker Select Marker 2 3 4 Normal Delta Delta Delta Pair (Tracking Ref) Ref Delta Span Pair Center



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7. Bandwidth Test

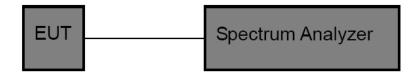
7.1 Test Standard and Limit

7.1.1 Test Standard FCC Part 15.247 (a)(2)

7.1.2 Test Limit

FCC	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:	Action Camera	Model:	X720			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	DC 3.7V					
Test Mode:	TX 802.11B Mode					
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit			
(MHz)	(MHz)	(MHz)	(MHz)			
2412	10.069	14.5085				
2437	10.062	14.4787	>=0.5			
2462	10.065	14.4711				
802.11B Mode						

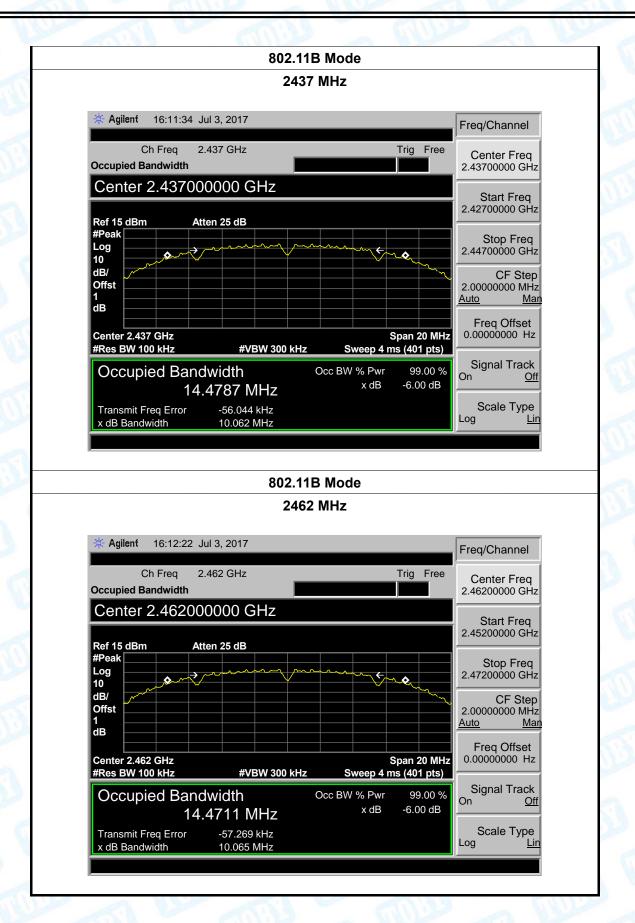
2412 MHz





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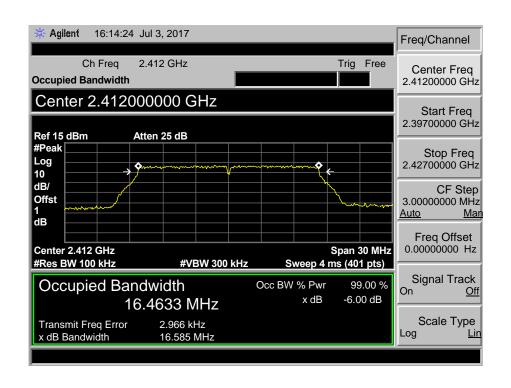






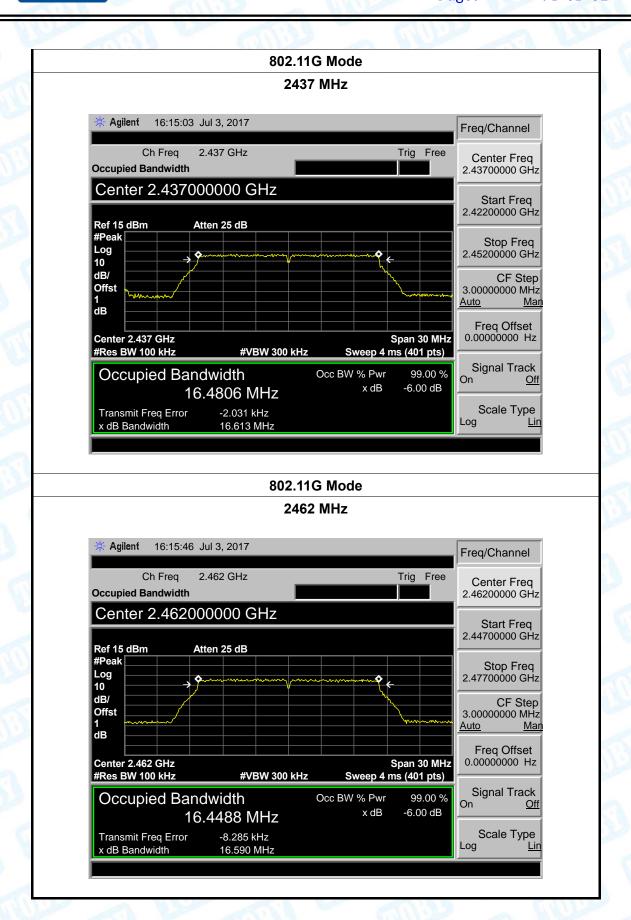
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EUT:	Acti	on Camera	Model:	X720
Temperature:	25	${\mathbb C}$	Relative Humidity:	55%
Test Voltage:	DC	3.7V		1133
Test Mode:	TX	802.11G Mode		
Channel frequen	су	6dB Bandwidth	99% Bandwidth	Limit
(MHz)		(MHz)	(MHz)	(MHz)
2412		16.585	16.4633	
2437		16.613	16.4806	>=0.5
2462		16.590	16.4488	
	·	802.11G	Mode	
		2412 N	ЛНэ	





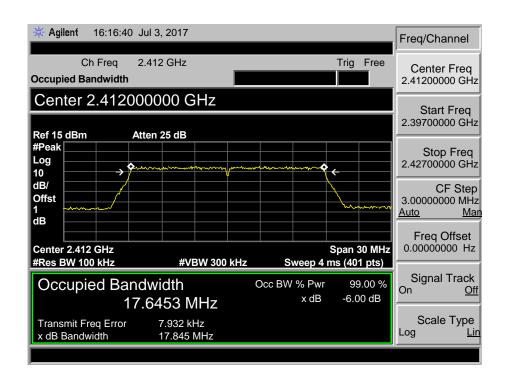
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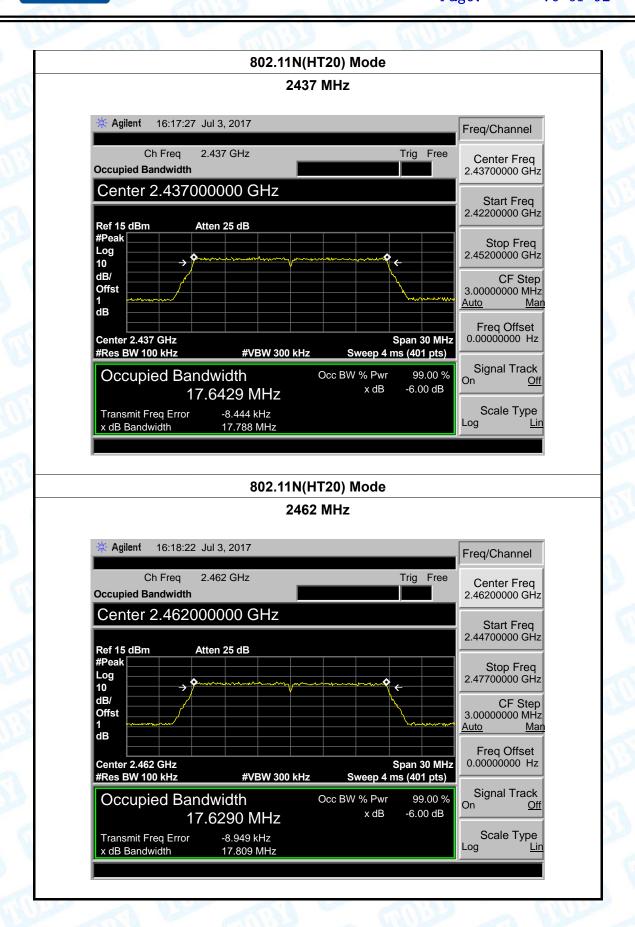
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EUT:	Action Camera	Model:	X720
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		LID -
Test Mode:	TX 802.11N(HT20) Mode		
Channel frequenc	y 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	17.845	17.6453	
2437	17.788	17.4629	>=0.5
2462	17.809	17.6290	
	802.11N(HT	20) Mode	
	2412 [/U-2	





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Scale Type Log <u>Lir</u>

EUT:	Action Camera	Model:	X720
Temperature:	25 ℃	Relative Humidity:	55%
Гest Voltage:	DC 3.7V	THE PARTY OF THE P	10 W
est Mode:	TX 802.11N(HT40) Mode	e (A)	III II
Channel frequen	cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2422	36.570	36.0360	
2437	36.551	36.0381	>=0.5
2452	36.545	36.0290	
	802.11N(F	IT40) Mode	
	2422	2 MHz	
* Agilent	16:19:59 Jul 3, 2017	F	req/Channel
Ch Freq 2.422 GHz Trig Free Occupied Bandwidth			Center Freq .42200000 GHz
Center 2	2.422000000 GHz	2	Start Freq
Ref 15 dBm #Peak Log	Atten 25 dB		Stop Freq .45200000 GHz
10 dB/ Offst	-		CF Step .000000000 MHz <u>uto Man</u>
10 dB/	GHz	Span 60 MHz	.00000000 MHz

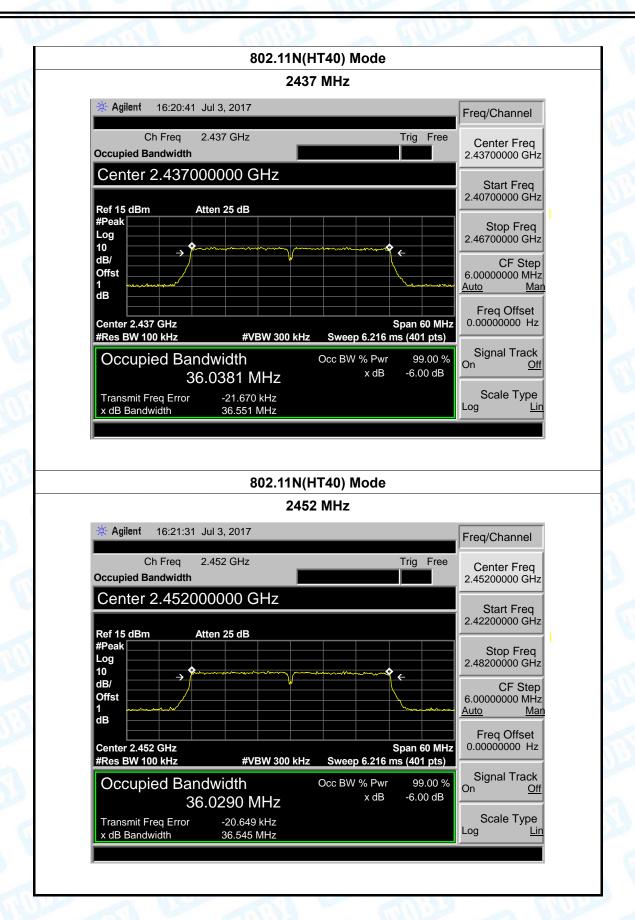
-3.853 kHz 36.570 MHz

Transmit Freq Error x dB Bandwidth



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8. Peak Output Power Test

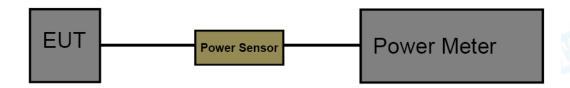
8.1 Test Standard and Limit

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(M			
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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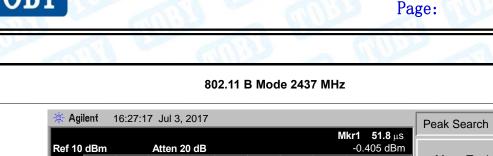
8.5 Test Data

EUT:	Action Camera	Model:	X720
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3.7V		6000
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
	2412	9.60	
802.11b	2437	8.88	
	2462	8.17	
802.11g	2412	8.97	
	2437	9.21	
	2462	8.49	30
802.11n	2412	7.50	30
(HT20)	2437	7.89	
(11120)	2462	7.33	
802.11n	2422	6.31	
(HT40)	2437	6.34	
(11140)	2452	6.17	
	Resu	ult: PASS	

	Duty Cyc	cle
Mode	Channel frequency (MHz)	Test Result
	2412	
802.11b	2437	
	2462	
	2412	
802.11g	2437	
	2462	>000/
000 44	2412	>98%
802.11n (HT20)	2437	
(П120)	2462	
000 44	2422	
802.11n	2437	
(HT40)	2452	
Please see belov	w plots	

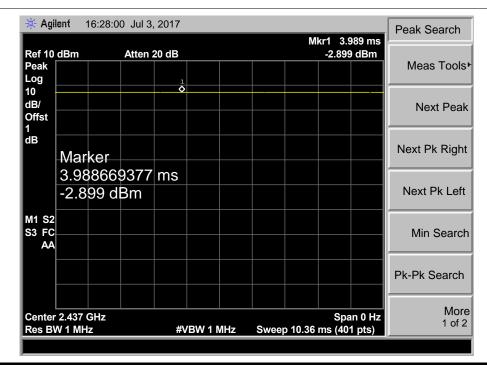


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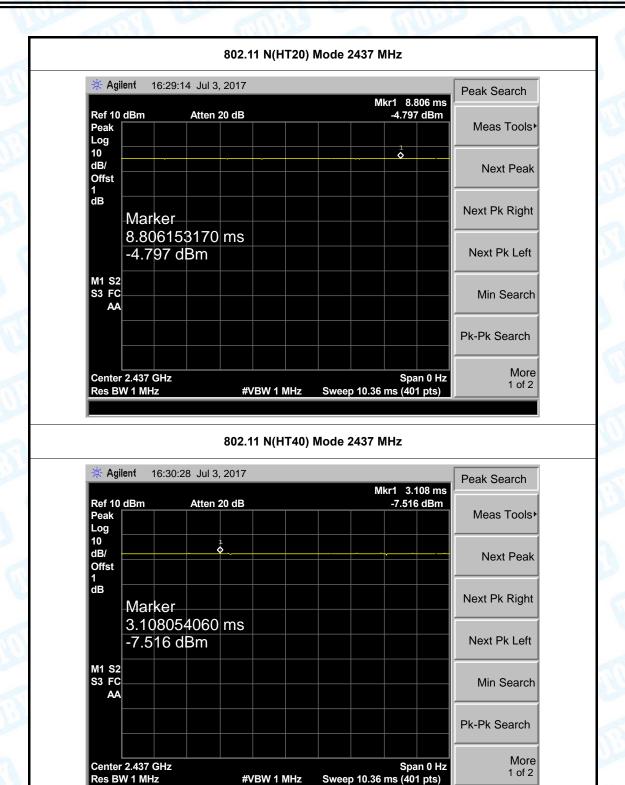
Ref 10 dBm Meas Tools▶ Peak Log 10 dB/ Next Peak Offst 1 dB Next Pk Right Marker 51.80090100 μs -0.405 dBm Next Pk Left M1 S2 S3 FC Min Search AA Pk-Pk Search More Span 0 Hz Sweep 10.36 ms (401 pts) Center 2.437 GHz Res BW 1 MHz 1 of 2 #VBW 1 MHz

802.11 G Mode 2437 MHz





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Sweep 10.36 ms (401 pts)

#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(M			
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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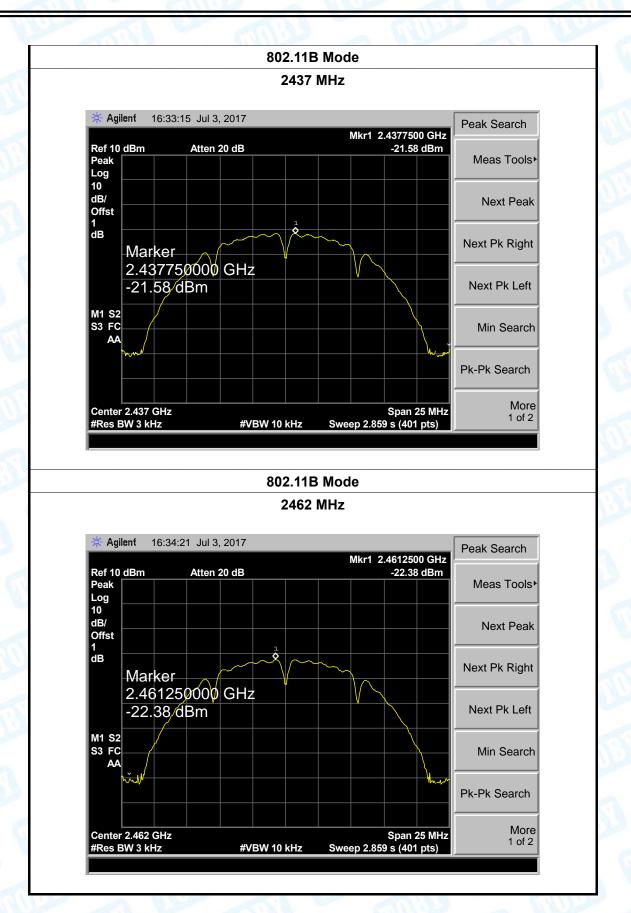
9.5 Test Data

:	Action Ca	amera	Model:		X720
perature:	25 ℃	Part of	Relative	Humidity:	55%
Voltage:	DC 3.7V		No.	COLL T	61
Mode:	TX 802.1	1B Mode			O U
Channel Fr	equency	Pow	er Density		Limit
(MH	z)	(dB	m/3 kHz)		(dBm)
241	2		20.86		
243	7		21.58		8
246	2	-	22.38		
		802.	11B Mode	·	
		24	12 MHz		
* Agilen	t 16:31:53 Jul	3, 2017			Peak Search
			Mkr1 2	2.4113125 GHz	Peak Search
Ref 10 dE Peak	3m Atter	20 dB		-20.86 dBm	Meas Tools
Log 10		+		-	
dB/ Offst					Next Peak
1 dB		1			
	/larker				Next Pk Right
	.41131250	GHz			
	20.86 dBm				Next Pk Left
M1 S2 S3 FC					Mir Orașili
S3 FC AA				1	Min Search
J-40-73	M			Mus	Pk-Pk Search
					FR-FR SealCII
Center 2.	412 GHz			Span 25 MHz	More
#Res BW		#VBW 10 kF	z Sween 2 85	9 s (401 pts)	1 of 2



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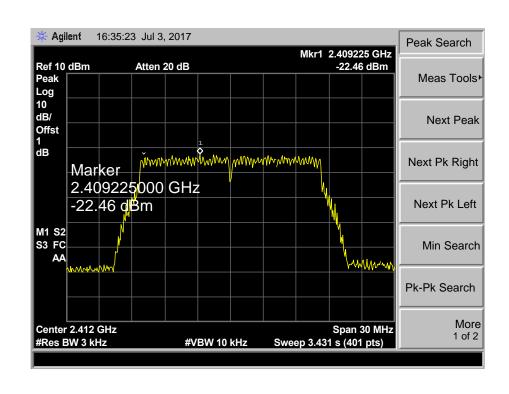
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EUT:	Action Camera	Model:	X720
Temperature:	25 ℃	Temperature:	25 ℃
Test Voltage:	DC 3.7V		133
Test Mode:	TX 802.11G Mode	TO U	

Channel Frequency	Power Density	Limit
(MHz)	(dBm/3 kHz)	(dBm)
2412	-22.46	
2437	-22.91	8
2462	-23.44	
	•	*

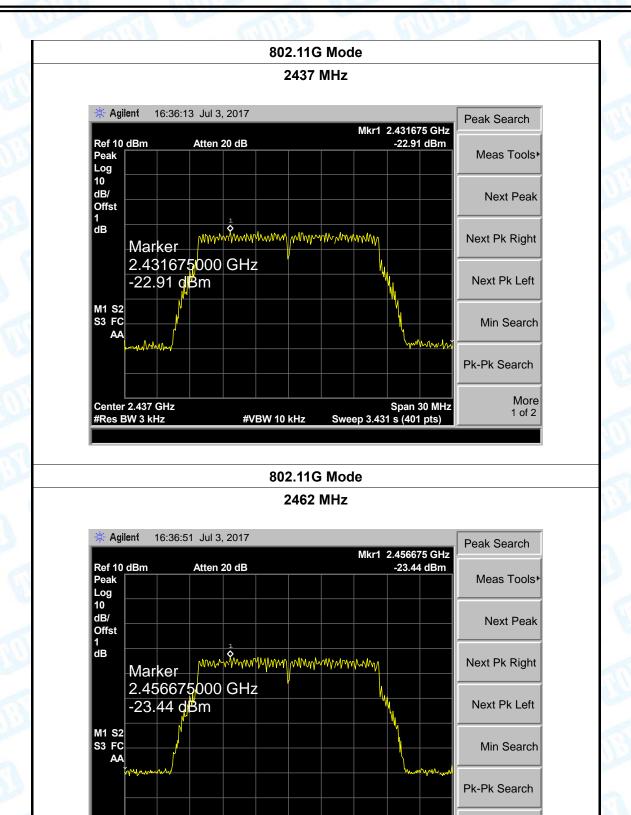
802.11G Mode

2412 MHz





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#VBW 10 kHz

Center 2.462 GHz #Res BW 3 kHz

More

1 of 2

Span 30 MHz

Sweep 3.431 s (401 pts)



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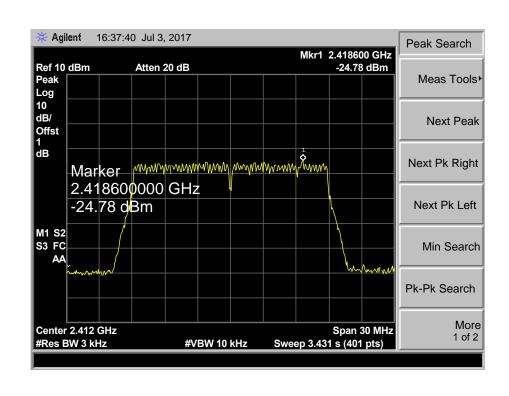
EUT:	Action Camera	Model:	X720
Temperature:	25 ℃	Temperature:	25 ℃
Test Voltage:	DC 3.7V	88 6	THE STATE OF

Test Mode: TX 802.11N(HT20) Mode

Channel Frequency	Power Density	Limit
(MHz)	(dBm/3 kHz)	(dBm)
2412	-24.78	
2437	-25.22	8
2462	-25.43	

802.11N(HT20) Mode

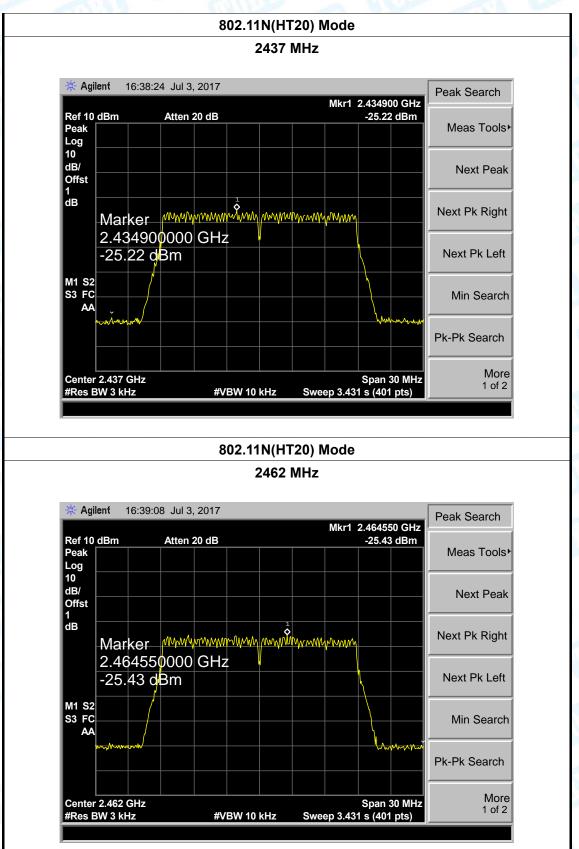
2412 MHz





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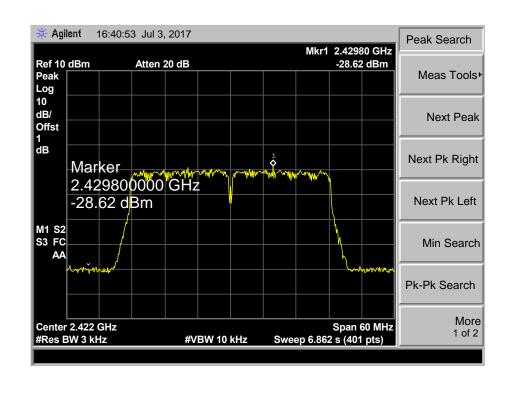
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Channel Frequency		Power Density		Limit	
Test Mode:	TX 802.11N(HT40) Mode				
Test Voltage:	DC 3.7V				
Temperature:	25 ℃		Temperature:	25 ℃	
EUT:	Action Ca	mera	Model:	X720	

Channel Frequency	Power Density	Limit	
(MHz)	(dBm/3 kHz)	(dBm)	
2422	-28.62		
2437	-28.95	8	
2452	-28.20		

802.11N(HT40) Mode

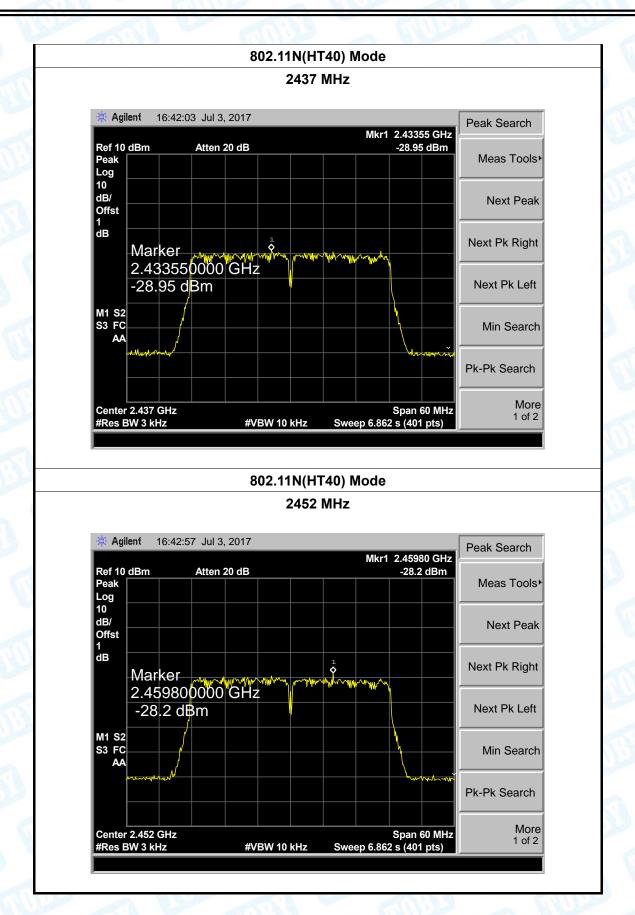
2422 MHz





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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 2.11dBi, 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					
الماليان الماليان	Permanent attached antenna	CAT.			
3 Burn	⊠Unique connector antenna				
	Professional installation antenna	ID.			

----END OF REPORT----