

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC151105

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FCC Radio Test Report FCC ID: 2AKU3SWSC-580W

Original Grant

Report No. : TB-FCC151105

Applicant: Shenzhen Dexin Industrial Co., Ltd.

Equipment Under Test (EUT)

EUT Name : Wireless network HD camera

Model No. : WSC-580W

Series No. : WSC-590W, WSC-588, WSC-589H, WSC-589H,

WSC-599, WSC-599H, WSC-578W

Brand Name : Haier

Receipt Date : 2016-12-28

Test Date : 2016-12-29 to 2017-01-05

Issue Date : 2017-01-06

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.



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1.1 Client Information

Applicant: Shenzhen Dexin Industrial Co., Ltd.

Address: 3 Floor, E Building, Yunfeng Road, No.23, Guanghao Industriai Zones,

Longhua District, Shenzhen, China.

Manufacturer: Shenzhen Jieshilian Industrial Co., Ltd.

Address: 2 Floor, No.270 Building, Dashuikengjuling Industrial Zone, Guanlan,

Longhua Diserict, Shenzhen, China.

1.2 General Description of EUT (Equipment Under Test)

EUT Name	1	Wireless network HD camera				
Models No.	1	WSC-580W, WSC-590W, WSC-588, WSC-588H, WSC-589, WSC-589H, WSC-599, WSC-599H, WSC-578W				
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.				
TEOR		Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz			
	V	Number of Channel:	802.11b/g/n(HT20):11 channels see note(3) 802.11n(HT40): 7 channels see note(3)			
	1	RF Output Power:	802.11b: 18.36 dBm 802.11g: 15.99 dBm 802.11n (HT20): 15.06 dBm			
Product Description			802.11n (HT40): 15.02 dBm			
2000 ipilon		Antenna Gain:	3.5 dBi Dipole Antenna			
	7	Modulation Type:	802.11b: DSSS(CCK, QPSK, BPSK) 802.11g: OFDM			
			802.11n: OFDM			
		Bit Rate of Transmitter:	802.11b: 11/5.5/2/1 Mbps			
			802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n:up to 150Mbps			
Power	18	DC Voltage by the Host Sy				
Supply		DC Voltage Supply from A				
Power	:(DC 5.0 by the Host System	n.			
Rating		Input: AC 100-240 V~50/6				
4000		Output: DC 5.0 V—1500m	A			



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Connecting	:	Please refer to the User'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 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	80	2447		

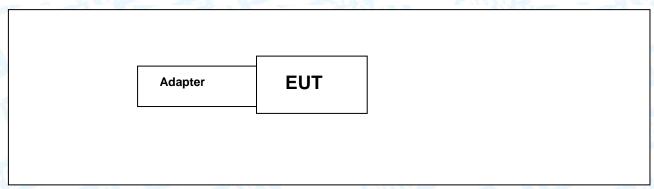
Note: CH 01~CH 11 for 802.11b/g/n(HT20) CH 03~CH 09 for 802.11n(HT40)

(4) Antenna information

Antenna	Brand	Model Name	Туре	Antenna Gain(dBi)
ANT1	N/A	N/A	Dipole	3.5

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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To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

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

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

Note:

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

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

802.11b Mode: CCK (1 Mbps) 802.11g Mode: OFDM (6 Mbps)

802.11n (HT20) Mode: MCS 0 (6.5 Mbps) 802.11n (HT40) Mode: MCS 0 (13 Mbps)

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a fixed unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



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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.

03	Test Software: MT7601USB Test Mode: Continuously transmitting				
Mode	Data Rate	Channel	Parameters ANT		
THE STATE OF THE S	CCK/ 1Mbps	01	DEF		
802.11b	CCK/ 1Mbps	06	DEF		
1	CCK/ 1Mbps	11	DEF		
1137	OFDM/ 6Mbps	01	DEF		
802.11g	OFDM/ 6Mbps	06	DEF		
	OFDM/ 6Mbps	11	DEF		
11:31	MCS 0	01	DEF		
802.11n(20)	MCS 0	06	DEF		
3 110	MCS 0	11	DEF		
	MCS 0	03	DEF		
802.11n(40)	MCS 0	06	DEF		
	MCS 0	09	DEF		



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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})
133	Level Accuracy:	TO IT
Conducted Emission	9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
Radiated Emission	Level Accuracy:	±4.60 dB
Radiated Ellission	9kHz to 30 MHz	±4.00 dB
Radiated Emission	Level Accuracy:	±4.40 dB
Radiated Effilssion	30MHz to 1000 MHz	±4.40 db
Radiated Emission	Level Accuracy:	±4.20 dB
Radiated Emission	Above 1000MHz	±4.20 ub

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	Took Itom	11	D	
FCC	IC	Test Item	Judgment	Remark	
15.203		Antenna Requirement	PASS	N/A	
15.207	RSS-GEN 7.2.4	Conducted Emission	PASS	N/A	
15.205	RSS-GEN 7.2.2	Restricted Bands	PASS	N/A	
15.247(a)(2)	RSS 247 5.2 (1)	6dB Bandwidth	PASS	N/A	
15.247(b)	RSS 247 5.4 (4)	Peak Output Power	PASS	N/A	
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	PASS	N/A	
15.247(d)	RSS 247 5.5	Band Edge	PASS	N/A	
15.247(d)& 15.209	RSS 247 5.5	Transmitter Radiated Spurious Emission	PASS	N/A	

Note: "/" for no requirement for this test item.

N/A is an abbreviation for Not Applicable.



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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. 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
Loop Antenna	Laplace instrument	RF300	0701	Mar. 19, 2016	Mar. 18, 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
Spectrum Analyzer	Rohde & Schwarz	ESCI	100321	Jul. 22, 2016	Jul. 21, 2017
Power Meter	Anritsu	ML2495A	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

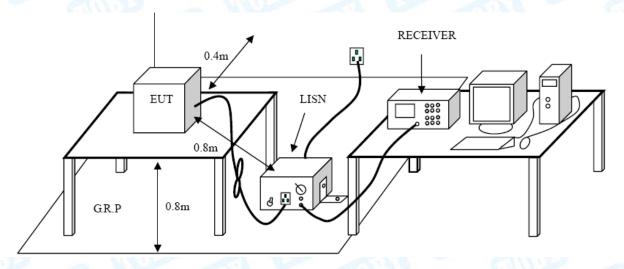
Conducted Emission Test Limit

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

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2 Test Setup

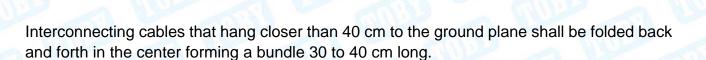


4.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/50uH of coupling impedance for the measuring instrument.



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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:	Wireless network HD camera	Model Name :	WSC-580W
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	133	Mas
Terminal:	Line		
Test Mode:	TX B Mode		
Remark:	Only worse case is reported		
Mwww.		AND THE RESIDENCE OF THE PARTY	QP: — AVG: — X
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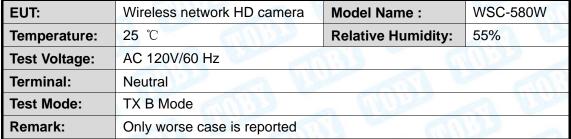


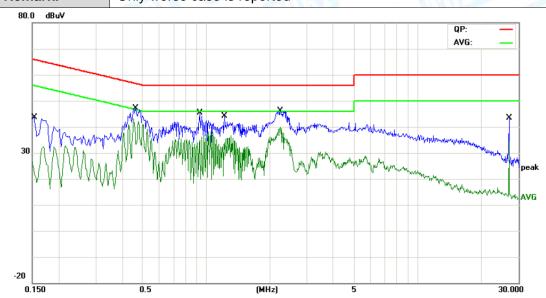
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB	dBuV	dBuV	dB	Detector
1		0.1500	31.47	10.12	41.59	65.99	-24.40	QP
2		0.1500	16.02	10.12	26.14	55.99	-29.85	AVG
3		0.4660	30.39	10.03	40.42	56.58	-16.16	QP
4		0.4660	16.57	10.03	26.60	46.58	-19.98	AVG
5		0.9340	30.10	10.13	40.23	56.00	-15.77	QP
6		0.9340	18.47	10.13	28.60	46.00	-17.40	AVG
7		1.0780	31.04	10.15	41.19	56.00	-14.81	QP
8		1.0780	21.49	10.15	31.64	46.00	-14.36	AVG
9	*	2.2260	34.97	10.06	45.03	56.00	-10.97	QP
10		2.2260	21.33	10.06	31.39	46.00	-14.61	AVG
11		27.0020	36.72	10.10	46.82	60.00	-13.18	QP
12		27.0020	26.48	10.10	36.58	50.00	-13.42	AVG



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No. MI	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1539	27.02	9.93	36.95	65.78	-28.83	QP
2	0.1539	10.68	9.93	20.61	55.78	-35.17	AVG
3	0.4620	35.35	10.02	45.37	56.66	-11.29	QP
4	0.4620	24.28	10.02	34.30	46.66	-12.36	AVG
5	0.9340	28.95	10.07	39.02	56.00	-16.98	QP
6	0.9340	18.59	10.07	28.66	46.00	-17.34	AVG
7	1.2180	27.20	10.06	37.26	56.00	-18.74	QP
8	1.2180	21.50	10.06	31.56	46.00	-14.44	AVG
9	2.2420	33.75	10.05	43.80	56.00	-12.20	QP
10 *	2.2420	28.71	10.05	38.76	46.00	-7.24	AVG
11	27.0020	29.24	10.20	39.44	60.00	-20.56	QP
12	27.0020	23.94	10.20	34.14	50.00	-15.86	AVG



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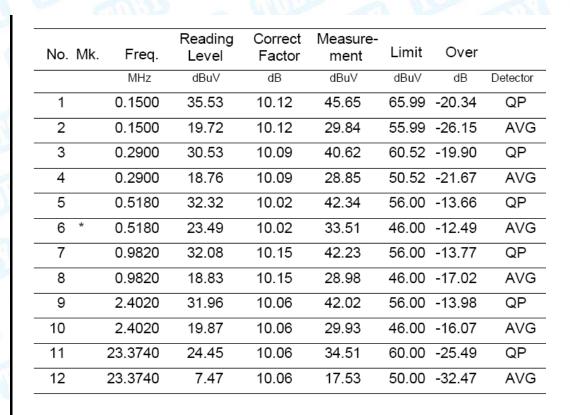


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EUT:	Wireless network HD camera	Model Name :	WSC-580W
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 240V/60 Hz		11000
Terminal:	Line		
Test Mode:	TX B Mode	Millian	
Remark:	Only worse case is reported		
		QP	
40		and Markey	peak



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EUT:	Wireless network HD camera	Model Name :	WSC-580W
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 240V/60 Hz	703	11105
Terminal:	Neutral		
Test Mode:	TX B Mode	CHILLIAN TO	
Remark:	Only worse case is reported	TIME THE	100
90.0 dBuV			
			QP: — AVG: —
	×		
		th Manufactured and all Manufactures and	*
40 M A A A M M M		Marian Andrews	Myrana Man
40		Marana Anathanananananananananananananananananan	My way way pea
40		Y / V / V / V / V / V / V / V / V / V /	Maywahan pea
40		Y / V / V / V / V / V / V / V / V / V /	My and Market pea
40		Y / V / V / V / V / V / V / V / V / V /	Sylvania Angles
40		Y / V / V / V / V / V / V / V / V / V /	pea www.



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No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	0.1499	10.35	9.92	20.27	66.00	-45.73	QP
2	0.1499	5.59	9.92	15.51	56.00	-40.49	AVG
3	0.5060	38.82	10.02	48.84	56.00	-7.16	QP
4	0.5060	33.13	10.02	43.15	46.00	-2.85	AVG
5	1.4460	34.16	10.06	44.22	56.00	-11.78	QP
6	1.4460	30.24	10.06	40.30	46.00	-5.70	AVG
7	2.3620	33.67	10.05	43.72	56.00	-12.28	QP
8	2.3620	25.41	10.05	35.46	46.00	-10.54	AVG
9	5.9499	30.11	10.01	40.12	60.00	-19.88	QP
10	5.9499	13.70	10.01	23.71	50.00	-26.29	AVG
11 *	27.0020	47.44	10.20	57.64	60.00	-2.36	QP
12	27.0020	36.12	10.20	46.32	50.00	-3.68	AVG



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5. Radiated Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard FCC Part 15.209

5.1.2 Test Limit

Radiated Emission Limits (9kHz~1000MHz)

Frequency (MHz	Field Strength (microvolt/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Radiated Emission Limit (Above 1000MHz)

Frequency	Distance Meters(at 3m)			
(MHz)	Peak (dBuV/m)	Average (dBuV/m)		
Above 1000	74	54		

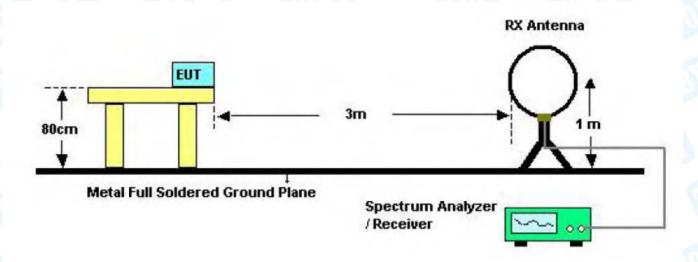
Note:

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

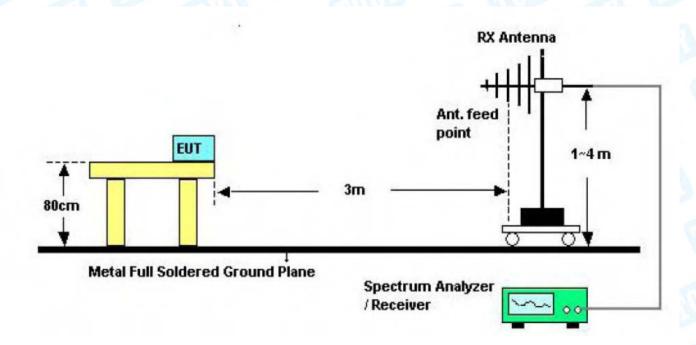


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5.2 Test Setup



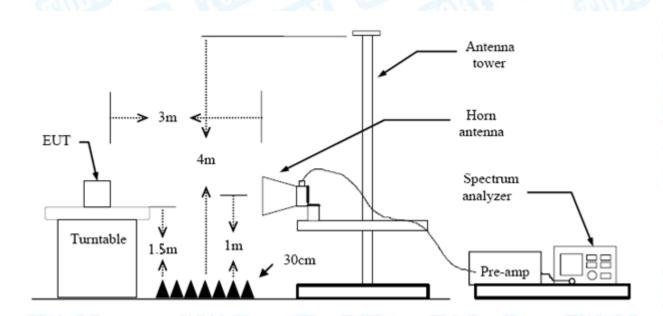
Below 30MHz Test Setup



Below 1000MHz Test Setup



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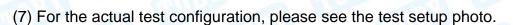
Above 1GHz Test Setup

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.



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5.4 EUT Operating Condition

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

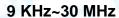
5.5 Test Data

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

Test data please refer the following pages.



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From 9 KHz to 30 MHz: 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.

30MHz~1GHz

EUT:	Wireless	network	HD camera	Model	•	V	VSC-580V
Temperature:	25 ℃	Elli	The same of	Relativ	e Humidit	: y : 5	5%
Test Voltage:	AC 120V	/60 Hz	671	1912		M. Land	
Ant. Pol.	Horizonta	al	1	600	190		Will In
Test Mode:	TX B Mo	de 2412N	ИHz	1 10		190	
Remark:	Only wor	se case i	s reported		3 841		
40 1	when we will	2 X		*	(RF)FCC	15C 3M Rad	iation jin -6. dB
30.000 40 5	0 60 70 E	0	(MHz)	30	00 400	500 600	700 1000.00
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1 3	0.3171	47.62	-14.34	33.28	40.00	-6.72	peak
2 ! 9	2.4624	61.00	-22.52	38.48	43.50	-5.02	peak
3 ! 21	16.0240	60.44	-19.29	41.15	46.00	-4.85	peak
4 + 07	70.3747	59.38	-17.26	42.12	46.00	-3.88	peak
4 * 27							
	06.0880	54.18	-12.36	41.82	46.00	-4.18	peak

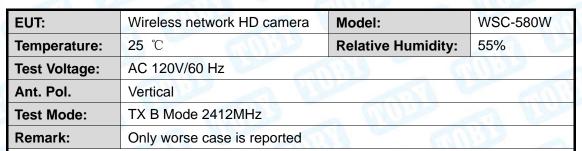
^{*:}Maximum data x:Over limit !:over margin

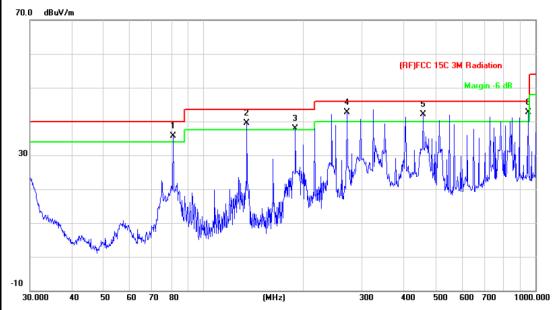


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N	o. Mł	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	į	80.9274	58.95	-23.28	35.67	40.00	-4.33	peak
2	ļ	135.0319	61.54	-21.96	39.58	43.50	-3.92	peak
3	ļ	189.0741	58.43	-20.53	37.90	43.50	-5.60	peak
4	į	270.3747	59.95	-17.26	42.69	46.00	-3.31	peak
5	ļ	459.1143	53.70	-11.66	42.04	46.00	-3.96	peak
6	*	952.0937	46.01	-3.25	42.76	46.00	-3.24	peak

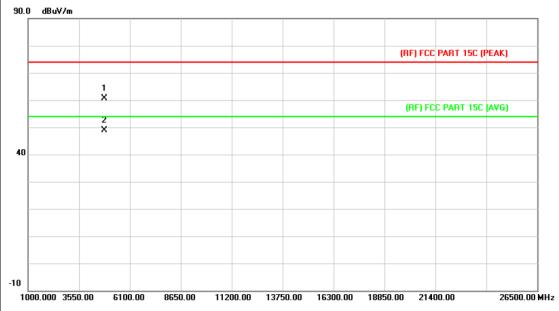
^{*:}Maximum data x:Over limit !:over margin



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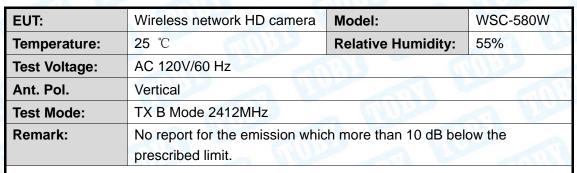
EUT.	Windows we have the LID some one	Madala	MCC FOOM				
EUT:	Wireless network HD camera	Model:	WSC-580W				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz						
Ant. Pol.	Horizontal						
Test Mode:	TX B Mode 2412MHz	TX B Mode 2412MHz					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						

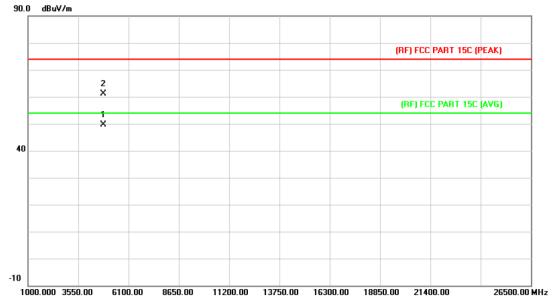


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.157	46.98	13.56	60.54	74.00	-13.46	peak
2	*	4824.698	35.35	13.56	48.91	54.00	-5.09	AVG



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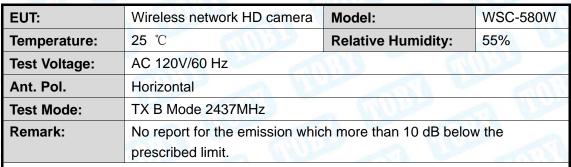


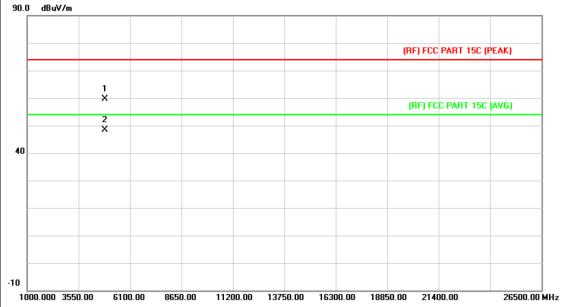


No	. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4822.998	36.05	13.55	49.60	54.00	-4.40	AVG
2		4824.519	47.69	13.56	61.25	74.00	-12.75	peak



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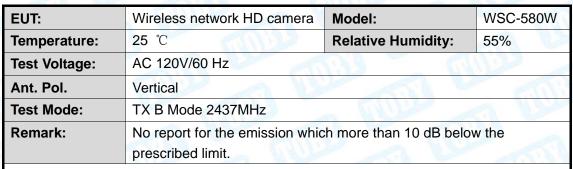


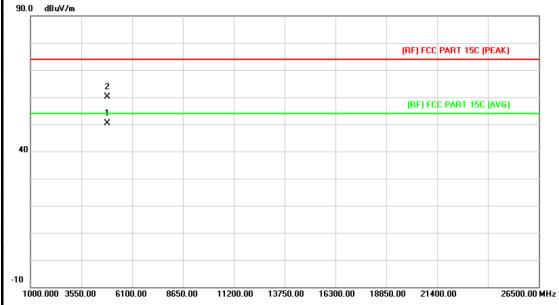


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.157	45.80	13.86	59.66	74.00	-14.34	peak
2	*	4874.321	34.45	13.86	48.31	54.00	-5.69	AVG



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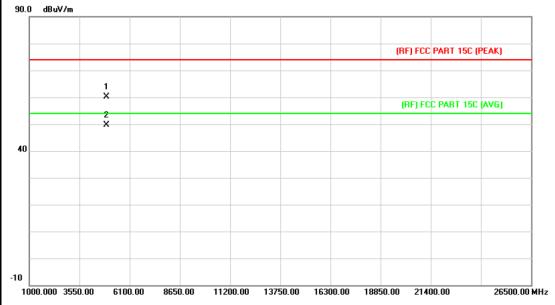


No	o. M	1k.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4	873.512	36.45	13.86	50.31	54.00	-3.69	AVG
2		4	874.251	46.39	13.86	60.25	74.00	-13.75	peak



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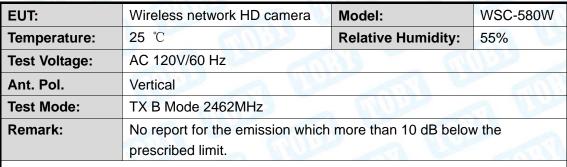
EUT:	Wireless network HD camera Model:		WSC-580W				
Temperature:	25 ℃	Relative Humidity: 55%					
Test Voltage:	Voltage: AC 120V/60 Hz						
Ant. Pol.	Horizontal						
Test Mode:	TX B Mode 2462MHz	THE PARTY OF THE P	CA WILL				
Remark: No report for the emission which more than 10 dB below the prescribed limit.							

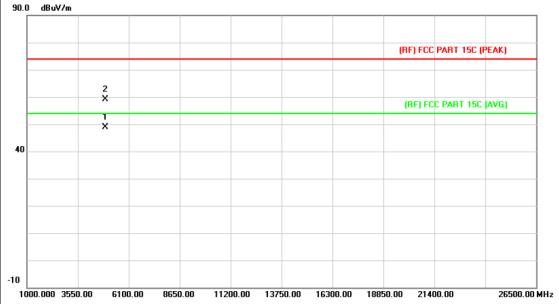


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.002	45.88	14.15	60.03	74.00	-13.97	peak
2	*	4924.424	35.51	14.15	49.66	54.00	-4.34	AVG



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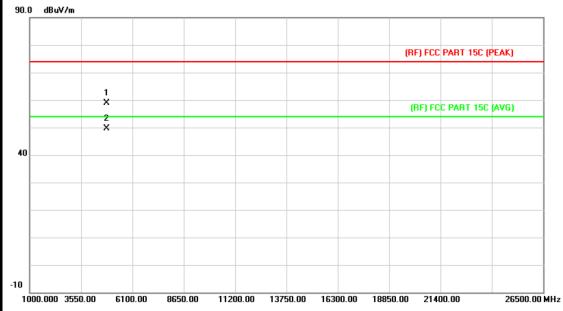


No. Mk.		c. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.215	34.82	14.15	48.97	54.00	-5.03	AVG
2		4924.620	44.93	14.15	59.08	74.00	-14.92	peak



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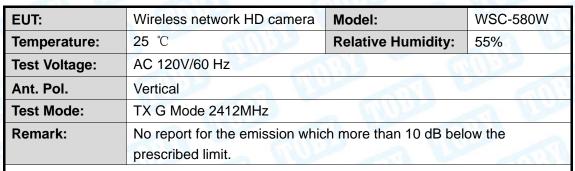
EUT:	Wireless network HD camera	Wireless network HD camera Model: V				
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX G Mode 2412MHz	The state of the s	O W			
Remark:	No report for the emission which more than 10 dB below the prescribed					
	limit.		1			

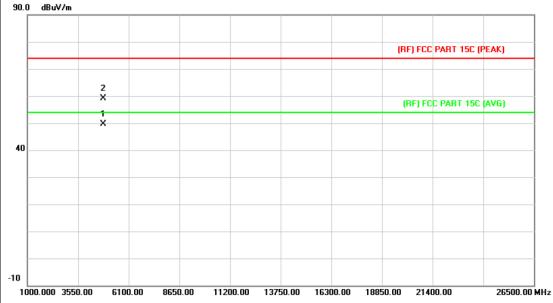


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.166	45.41	13.56	58.97	74.00	-15.03	peak
2	*	4824.278	36.05	13.56	49.61	54.00	-4.39	AVG



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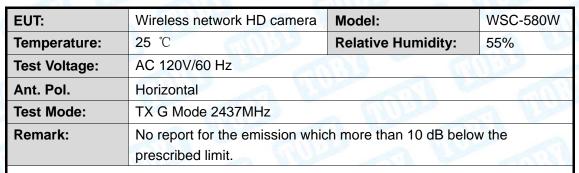


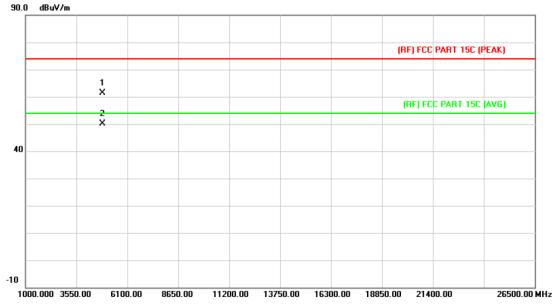


No	. Mł	ι. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.619	36.09	13.56	49.65	54.00	-4.35	AVG
2		4824.621	45.52	13.56	59.08	74.00	-14.92	peak



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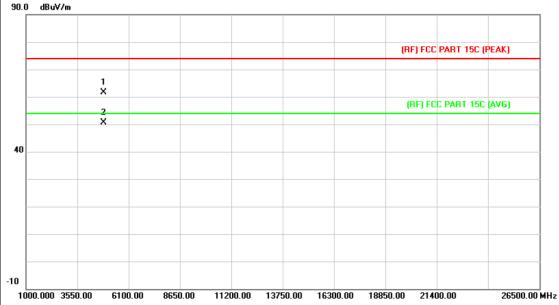


No	. Mk	. Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.255	47.46	13.86	61.32	74.00	-12.68	peak
2	*	4875.651	36.29	13.87	50.16	54.00	-3.84	AVG



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EUT:	Wireless network HD camera	Model:	WSC-580W			
Temperature:	25 ℃	Relative Humidity:				
Test Voltage: AC 120V/60 Hz						
Ant. Pol.	Vertical					
Test Mode:	TX G Mode 2437MHz					
Remark: No report for the emission which more than 10 dB below the prescribed limit.						
00.0 dB.3//						

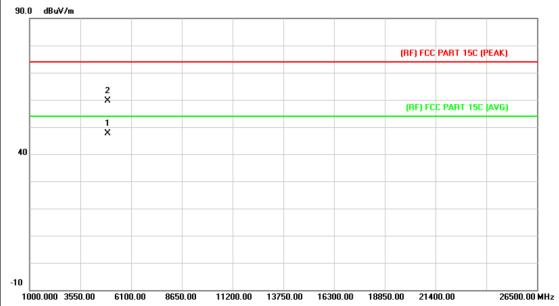


No	. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.258	47.73	13.86	61.59	74.00	-12.41	peak
2	*	4874.698	36.83	13.86	50.69	54.00	-3.31	AVG



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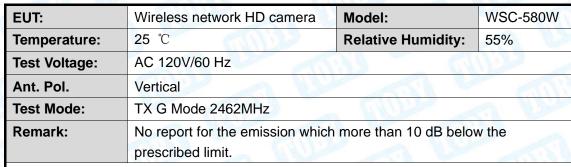
EUT:	EUT: Wireless network HD camera		WSC-580W				
Temperature:	25 ℃	Relative Humidity: 55%					
Test Voltage:	AC 120V/60 Hz						
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX G Mode 2462MHz	The same of the sa	ON WIN				
Remark: No report for the emission which more than 10 dB below the prescribed limit.							

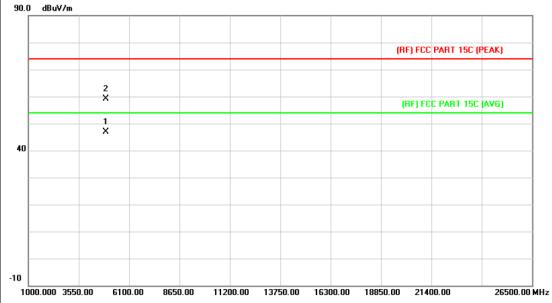


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.058	33.46	14.15	47.61	54.00	-6.39	AVG
2		4924.518	45.46	14.15	59.61	74.00	-14.39	peak



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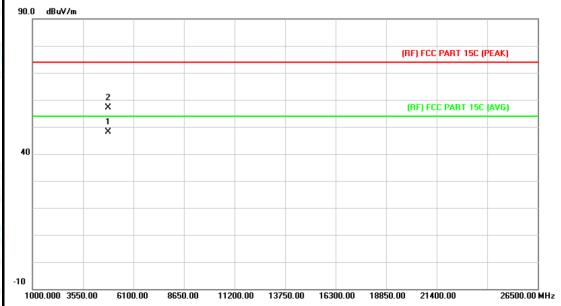


No	ь. М	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.991	32.76	14.15	46.91	54.00	-7.09	AVG
2		4924.612	45.03	14.15	59.18	74.00	-14.82	peak



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EUT:	Wireless network HD camera	Model:	WSC-580W				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 2412MHz	Millian					
Remark: No report for the emission which more than 10 dB below the prescribed limit.							

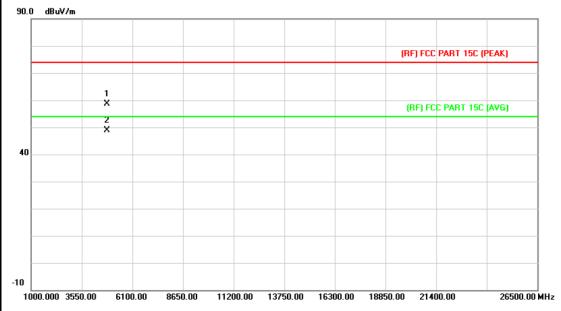


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4822.985	34.54	13.55	48.09	54.00	-5.91	AVG
2		4824.667	43.49	13.56	57.05	74.00	-16.95	peak



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EUT:	Wireless network HD camera	Model:	WSC-580W				
Temperature:	25 ℃	Relative Humidity: 55					
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX N(HT20) Mode 2412MHz		CA WILL				
Remark: No report for the emission which more than 10 dB below the prescribed limit.							

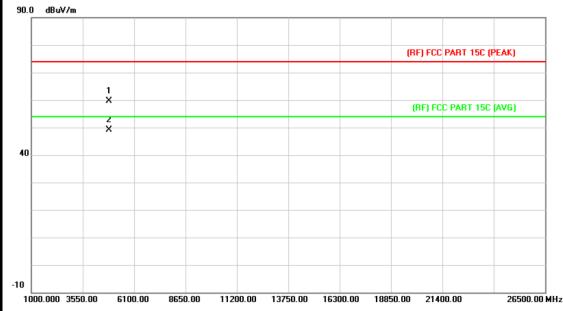


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.009	45.10	13.56	58.66	74.00	-15.34	peak
2	*	4824.615	35.35	13.56	48.91	54.00	-5.09	AVG



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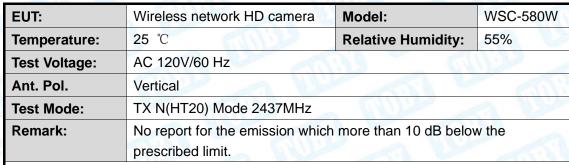
EUT:	Wireless network HD camera	Wireless network HD camera Model:					
Temperature:	25 ℃	Relative Humidity: 55%					
Test Voltage:	AC 120V/60 Hz	AC 120V/60 Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 2437MHz	Millian	CA WE				
Remark: No report for the emission which more than 10 dB below the prescribed limit.							

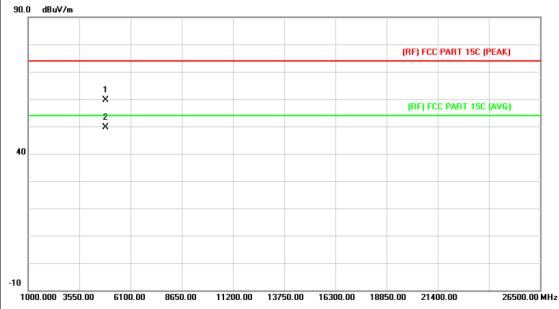


N	lo. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.598	45.78	13.86	59.64	74.00	-14.36	peak
2	*	4874.624	35.32	13.86	49.18	54.00	-4.82	AVG



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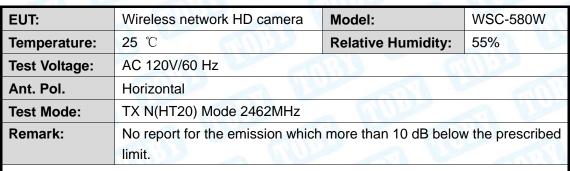


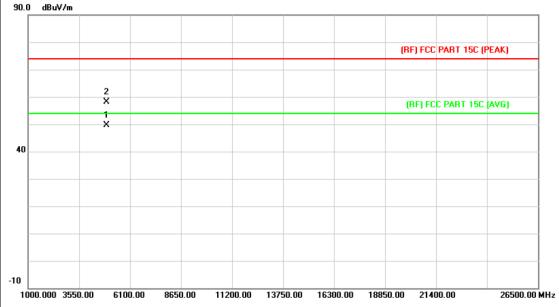


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.665	45.80	13.86	59.66	74.00	-14.34	peak
2	*	4875.698	35.74	13.87	49.61	54.00	-4.39	AVG



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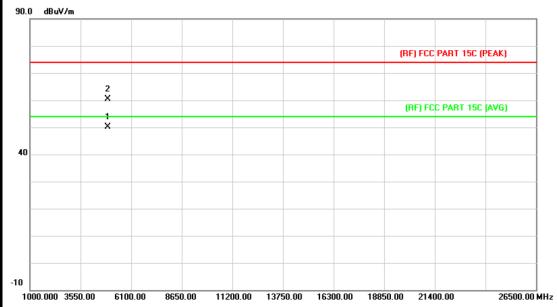


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4924.054	35.46	14.15	49.61	54.00	-4.39	AVG
2		4924.516	44.00	14.15	58.15	74.00	-15.85	peak



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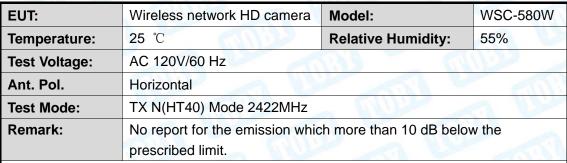
EUT:	Wireless network HD camera	Model:	WSC-580W
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	1733	11105
Ant. Pol.	Vertical		TITLE
Test Mode:	TX N(HT20) Mode 2462MHz		
Remark:	No report for the emission which prescribed limit.	ch more than 10 dB bel	low the

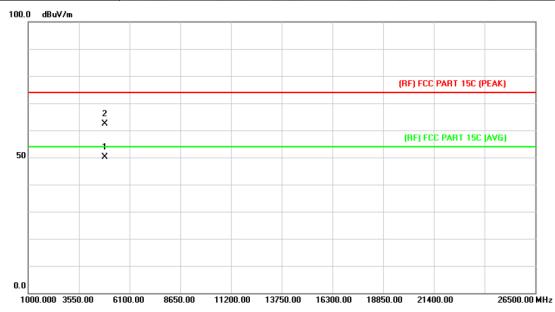


No	o. M	1k.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4	1923.058	35.94	14.15	50.09	54.00	-3.91	AVG
2		4	1924.612	46.16	14.15	60.31	74.00	-13.69	peak



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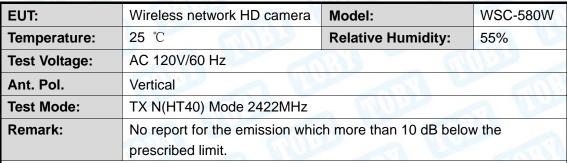


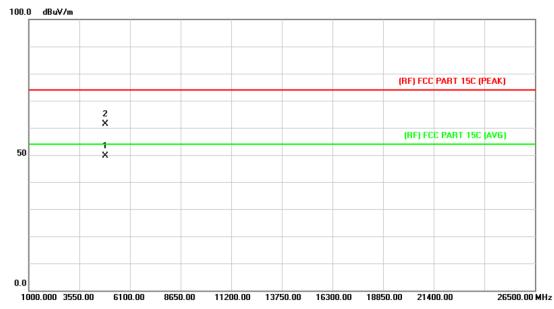


1	No.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4843.215	36.45	13.68	50.13	54.00	-3.87	AVG
2			4844.012	48.63	13.68	62.31	74.00	-11.69	peak



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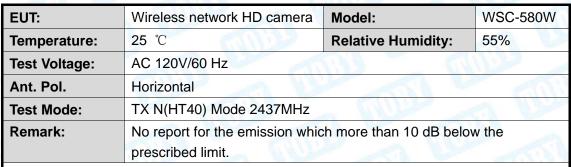


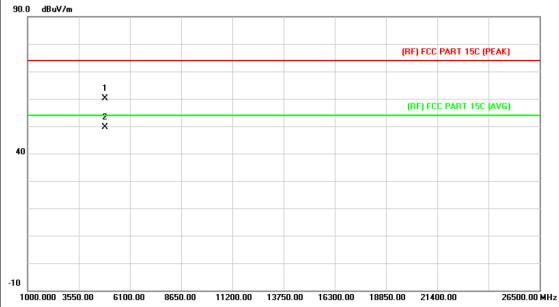


N	o. Ml	κ. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4843.751	35.93	13.68	49.61	54.00	-4.39	AVG
2		4844.651	47.61	13.68	61.29	74.00	-12.71	peak



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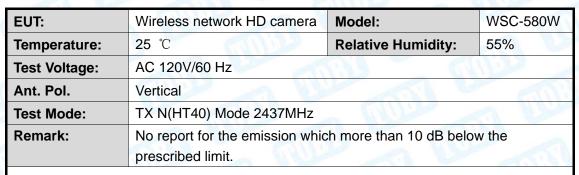


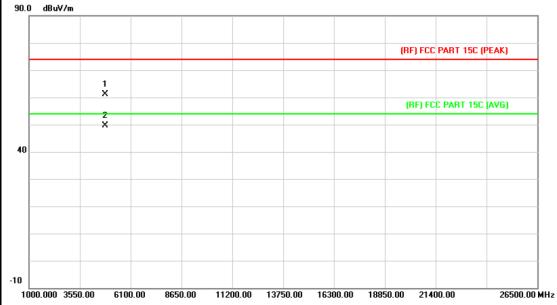


N	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.512	46.27	13.86	60.13	74.00	-13.87	peak
2	*	4874.615	35.80	13.86	49.66	54.00	-4.34	AVG



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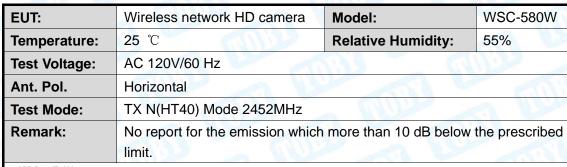


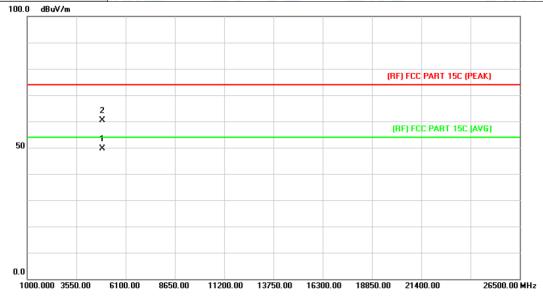


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.698	47.47	13.56	61.03	74.00	-12.97	peak
2	*	4824.336	36.05	13.56	49.61	54.00	-4.39	AVG



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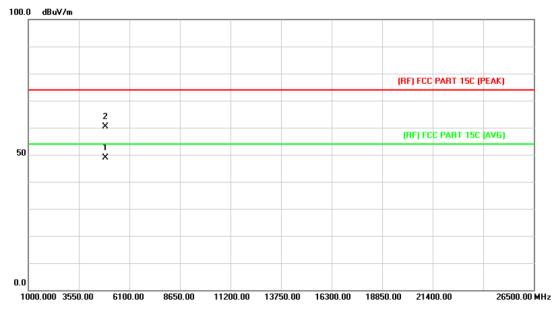


No	o. Mł	ι. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4903.165	35.64	14.03	49.67	54.00	-4.33	AVG
2		4904.658	46.28	14.03	60.31	74.00	-13.69	peak



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EUT:	Wireless network HD camera	Model:	WSC-580W		
EU1.	Wheless hetwork hid camera	Model.	VV3C-360VV		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60 Hz		1100		
Ant. Pol.	Vertical		The same		
Test Mode:	TX N(HT40) Mode 2452MHz				
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	*	4905.612	34.94	14.05	48.99	54.00	-5.01	AVG
2		4905.664	46.26	14.05	60.31	74.00	-13.69	peak



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6. Restricted Bands Requirement

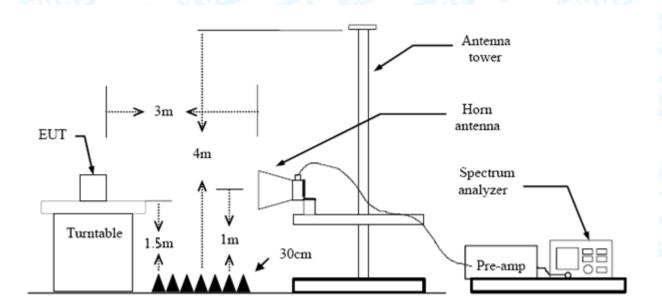
6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.209 FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Distance Mete	rs(at 3m)
Band (MHz)	Peak (dBuV/m)	Average (dBuV/m)
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



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exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.

- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

6.4 EUT Operating Condition

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

6.5 Test Data

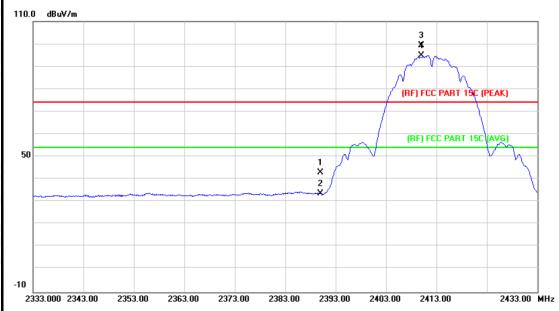
Please see the next page.



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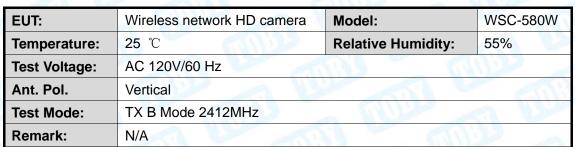
EUT:	Wireless network HD camera	Model:	WSC-580W
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		300
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2412MHz		
Remark:	N/A		

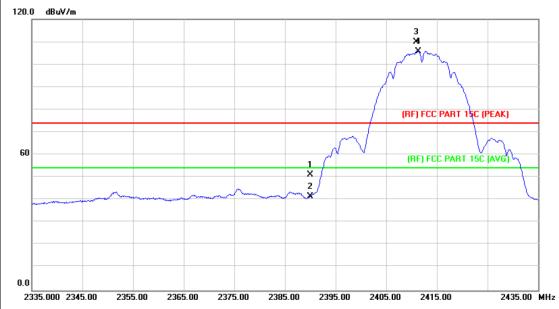


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	42.13	0.77	42.90	74.00	-31.10	peak
2		2390.000	32.83	0.77	33.60	54.00	-20.40	AVG
3	Χ	2410.006	98.56	0.85	99.41	Fundamenta	I Frequency	peak
4	*	2410.012	94.09	0.85	94.94	Fundament	al Frequency	AVG



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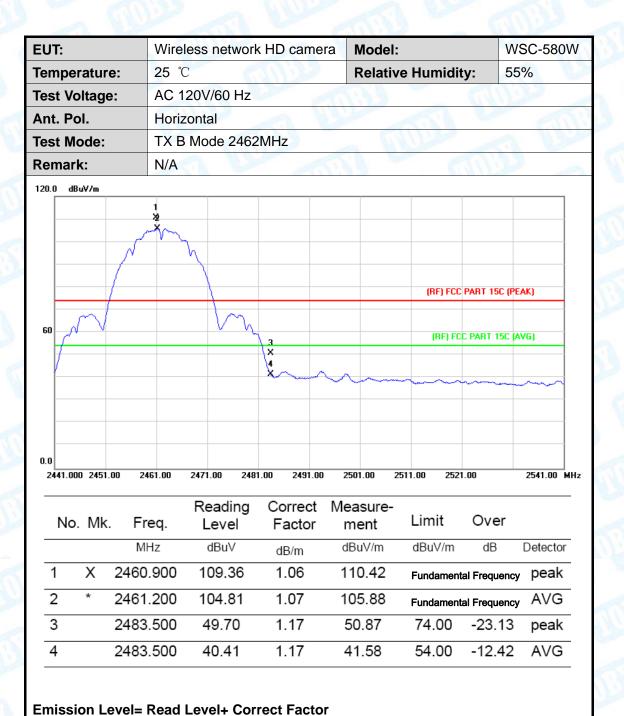




No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	50.25	0.77	51.02	74.00	-22.98	peak
2		2390.000	40.68	0.77	41.45	54.00	-12.55	AVG
3	Χ	2410.900	109.07	0.86	109.93	Fundamenta	al Frequency	peak
4	*	2411.300	104.94	0.86	105.80	Fundamenta	al Frequency	AVG

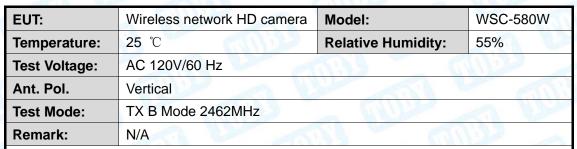


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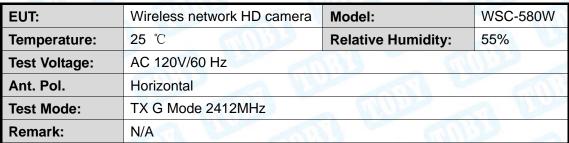


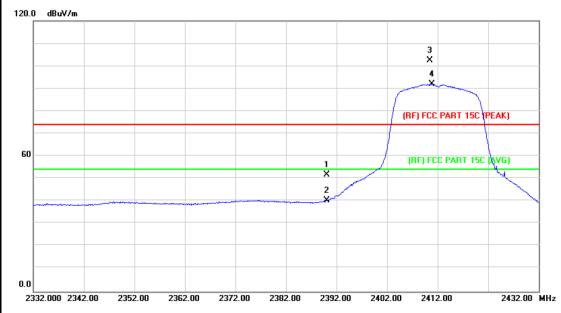


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2460.900	109.41	1.06	110.47	Fundamenta	Frequency	peak
2	*	2461.300	104.93	1.07	106.00	Fundamenta	Frequency	AVG
3		2483.500	48.23	1.17	49.40	74.00	-24.60	peak
4		2483.500	39.04	1.17	40.21	54.00	-13.79	AVG



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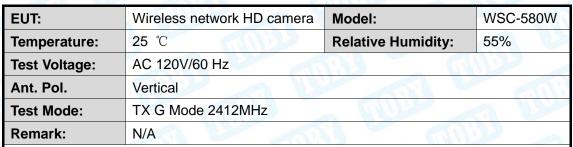


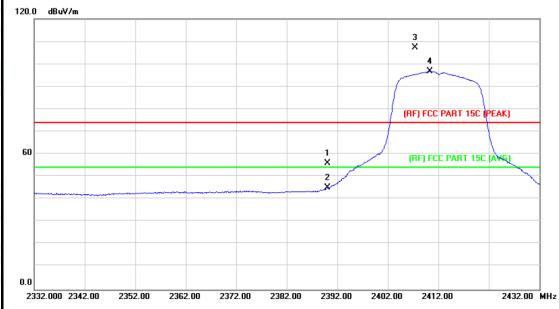


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	50.93	0.77	51.70	74.00	-22.30	peak
2		2390.000	39.73	0.77	40.50	54.00	-13.50	AVG
3	Χ	2410.400	101.51	0.85	102.36	Fundament	al Frequency	peak
4	*	2410.800	91.18	0.86	92.04	Fundament	al Frequency	AVG



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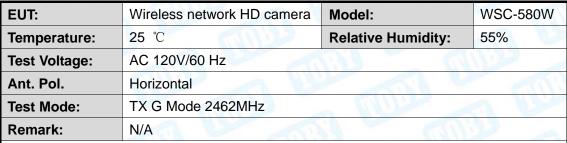


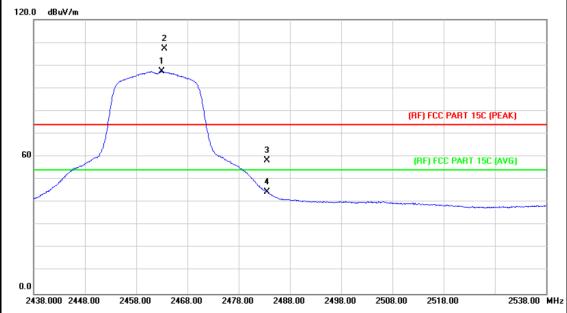


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	55.19	0.77	55.96	74.00	-18.04	peak
2		2390.000	44.27	0.77	45.04	54.00	-8.96	AVG
3	Χ	2407.400	106.30	0.85	107.15	Fundamenta	I Frequency	peak
4	*	2410.300	95.88	0.85	96.73	Fundamenta	l Frequency	AVG



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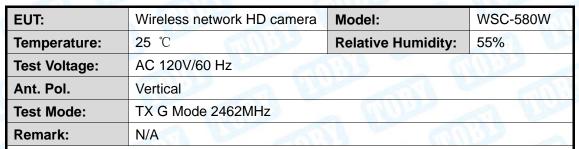


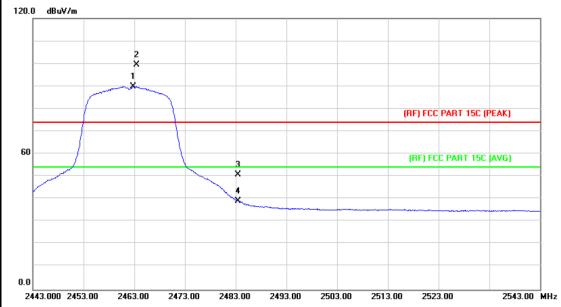


N	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2463.000	96.24	1.08	97.32	Fundamental	Frequency	AVG
2	Х	2463.600	106.27	1.08	107.35	Fundamental	Frequency	peak
3		2483.500	57.28	1.17	58.45	74.00	-15.55	peak
4		2483.500	43.40	1.17	44.57	54.00	-9.43	AVG



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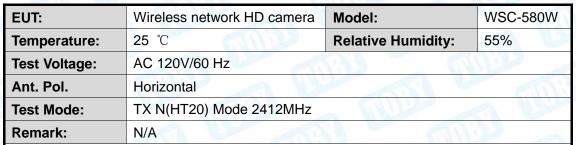


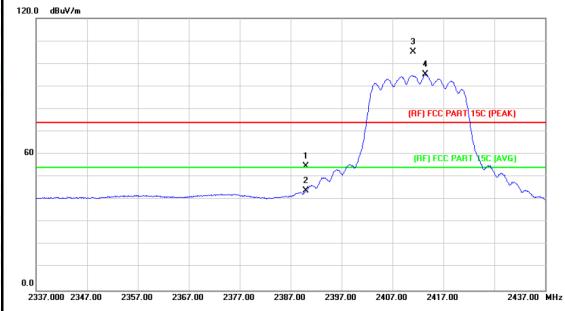


No.	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2462.800	88.82	1.08	89.90	Fundamenta	I Frequency	AVG
2	Χ	2463.500	98.28	1.08	99.36	Fundamenta	I Frequency	peak
3		2483.500	49.65	1.17	50.82	74.00	-23.18	peak
4		2483.500	37.94	1.17	39.11	54.00	-14.89	AVG



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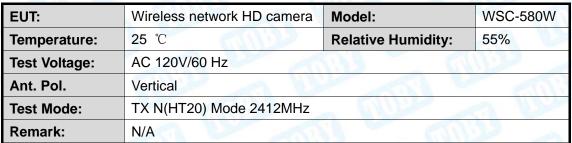


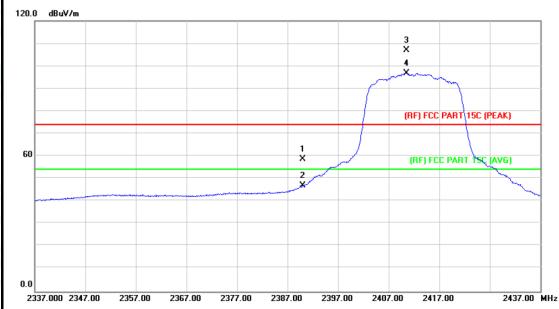


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	53.93	0.77	54.70	74.00	-19.30	peak
2		2390.000	43.11	0.77	43.88	54.00	-10.12	AVG
3	Χ	2411.100	104.44	0.86	105.30	Fundamenta	l Frequency	peak
4	*	2413.400	94.34	0.86	95.20	Fundamenta	l Frequency	AVG



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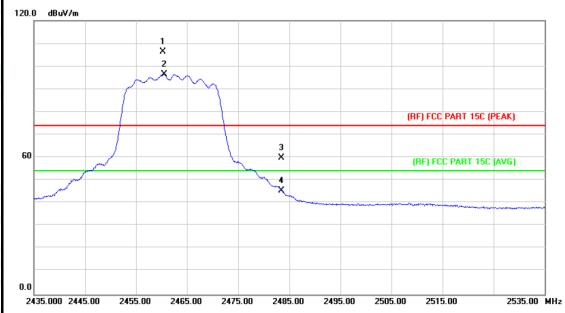


No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	57.86	0.77	58.63	74.00	-15.37	peak
2		2390.000	46.17	0.77	46.94	54.00	-7.06	AVG
3	Χ	2410.600	105.97	0.86	106.83	Fundament	al Frequency	peak
4	*	2410.600	96.01	0.86	96.87	Fundament	al Frequency	AVG



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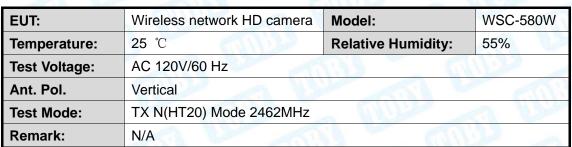


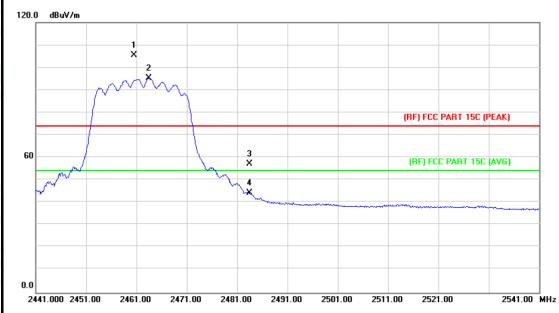


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2460.300	105.44	1.06	106.50	Fundamental	Frequency	peak
2	*	2460.500	95.43	1.06	96.49	Fundamental	Freauencv	AVG
3		2483.500	58.53	1.17	59.70	74.00	-14.30	peak
4		2483.500	44.40	1.17	45.57	54.00	-8.43	AVG



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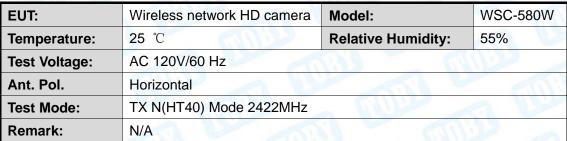


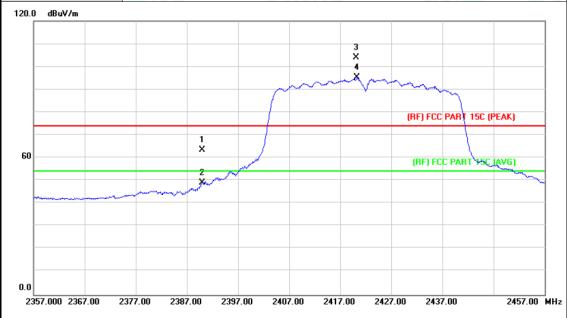


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2460.500	104.48	1.06	105.54	Fundamenta	al Frequency	peak
2	*	2463.400	94.20	1.08	95.28	Fundamenta	al Frequency	AVG
3		2483.500	55.97	1.17	57.14	74.00	-16.86	peak
4		2483.500	42.94	1.17	44.11	54.00	-9.89	AVG



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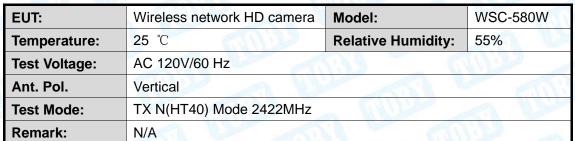


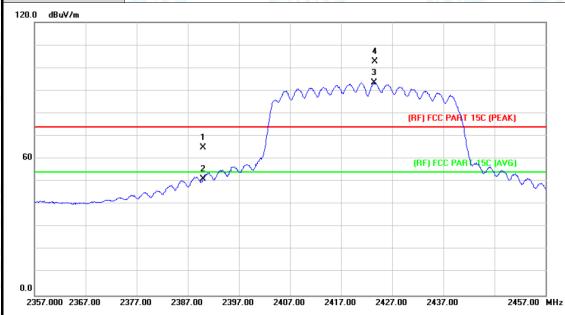


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	62.82	0.77	63.59	74.00	-10.41	peak
2		2390.000	48.34	0.77	49.11	54.00	-4.89	AVG
3	Χ	2420.200	103.17	0.89	104.06	Fundamenta	I Frequency	peak
4	*	2420.300	94.29	0.89	95.18	Fundamenta	l Frequency	AVG



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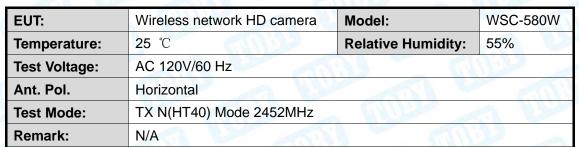


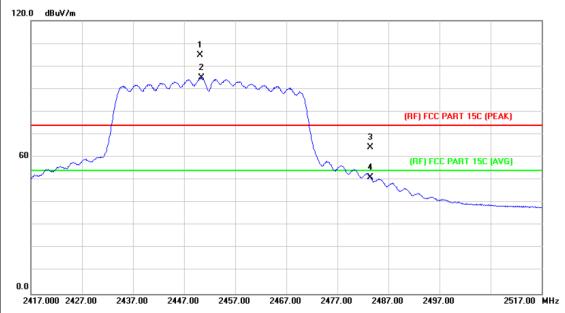


No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	64.08	0.77	64.85	74.00	-9.15	peak
2		2390.000	50.44	0.77	51.21	74.00	-22.79	peak
3	Χ	2423.400	92.45	0.91	93.36	Fundamenta	al Frequency	peak
4	*	2423.600	101.83	0.91	102.74	Fundament	al Frequency	peak



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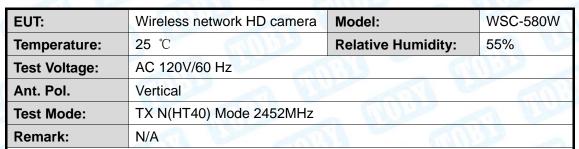


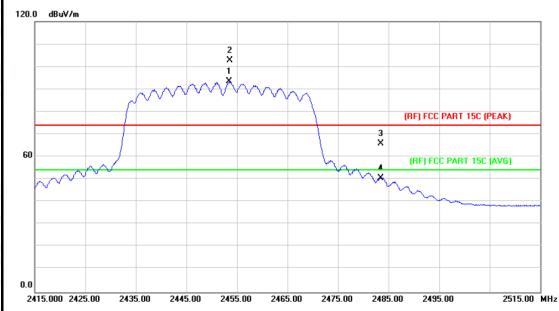


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2450.200	103.89	1.02	104.91	Fundamenta	al Frequency	peak
2	*	2450.400	93.91	1.02	94.93	Fundamenta	al Frequency	AVG
3		2483.500	63.22	1.17	64.39	74.00	-9.61	peak
4		2483.500	49.87	1.17	51.04	54.00	-2.96	AVG



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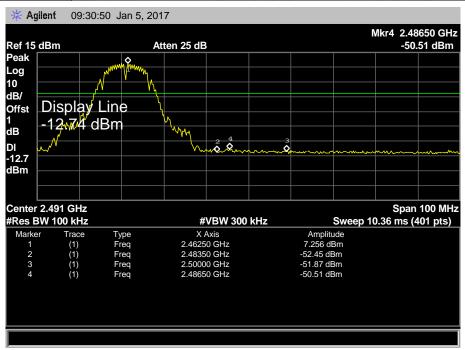
No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2453.500	92.33	1.04	93.37	Fundamenta	I Frequency	AVG
2	Χ	2453.600	101.81	1.04	102.85	Fundamenta	I Frequency	peak
3		2483.500	64.73	1.17	65.90	74.00	-8.10	peak
4		2483.500	49.51	1.17	50.68	54.00	-3.32	AVG



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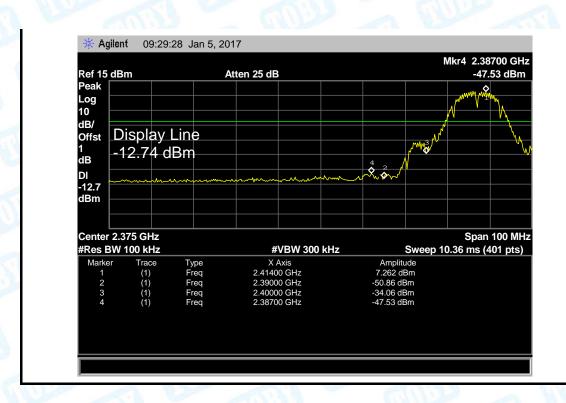


EUT:	Wireless network HD camera	Model:	WSC-580W			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 Hz					
Test Mode:	TX B Mode 2412MHz / TX B Mode 2462MHz					
Remark:	The EUT is programed in continuously transmitting mode					



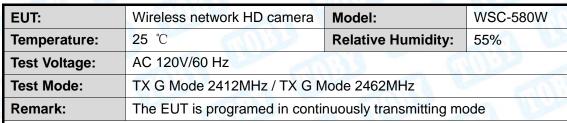


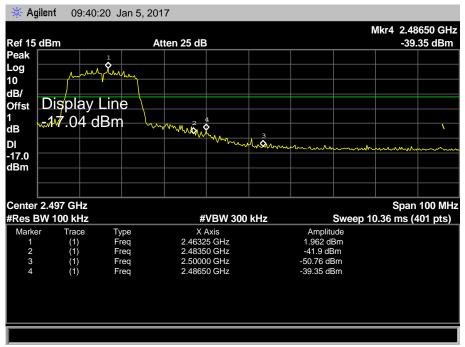
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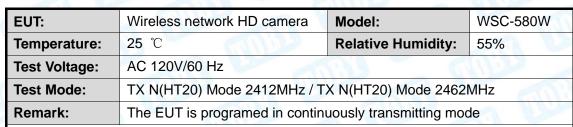


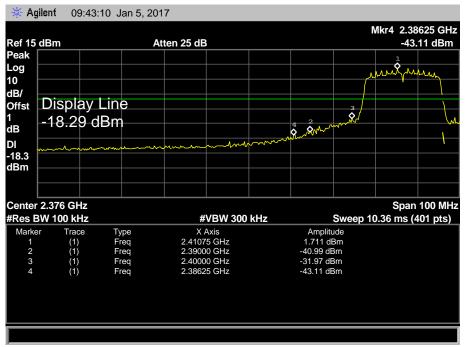
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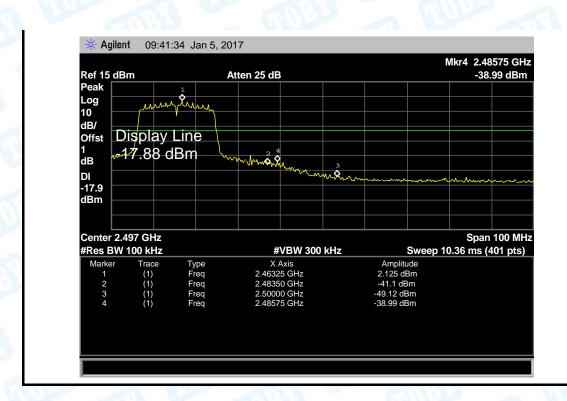
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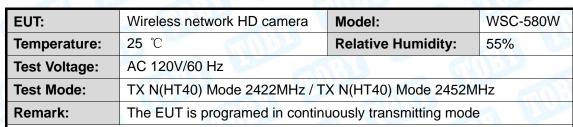


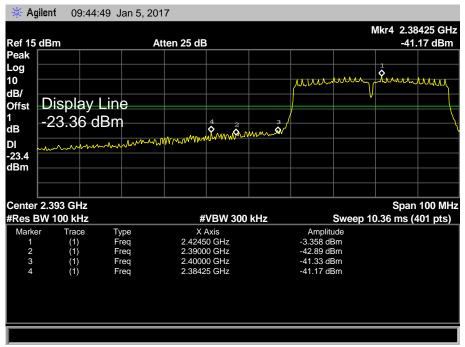
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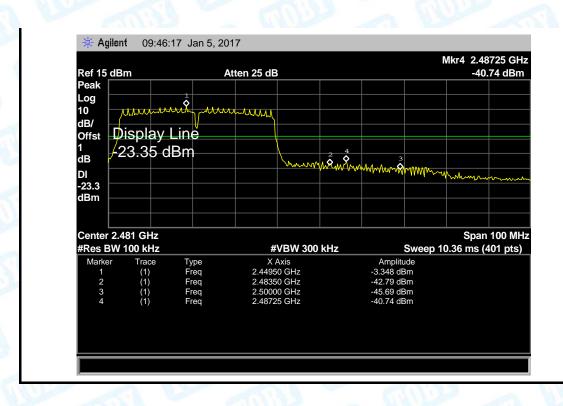
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7. Bandwidth Test

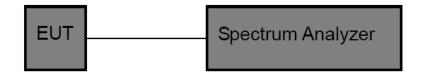
7.1 Test Standard and Limit

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

7.1.2 Test Limit

FCC	FCC Part 15 Subpart C(15.247)/RSS-210			
Test Item Limit Frequency Range(MF				
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.



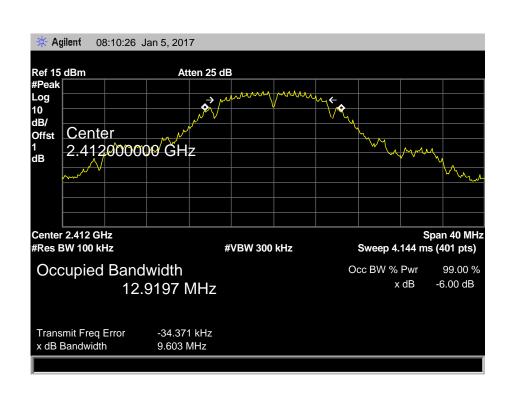
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EUT:	Wireless network HD camera	Model:	WSC-580W
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	age: AC 120V/60 Hz		ellim.
Test Mode:	Test Mode: TX 802.11B Mode		
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	9.603	12.9197	
2437	9.595	12.7508	>=0.5
2462	9.193	12.5575	
		_	-

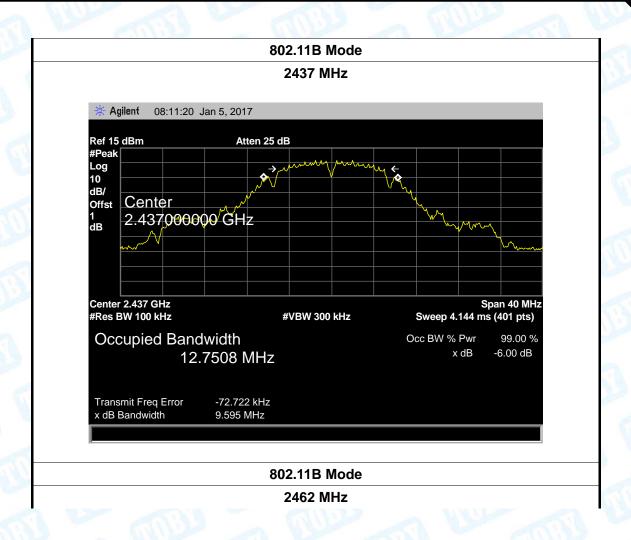
802.11B Mode

2412 MHz



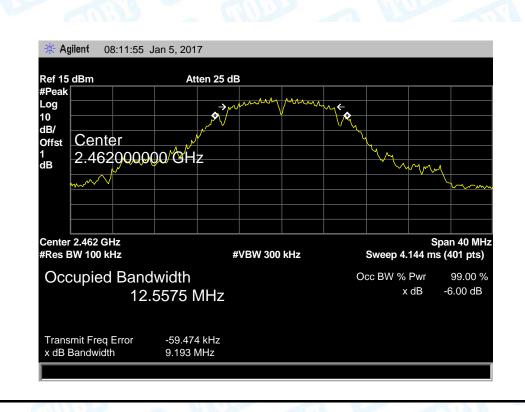


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EUT:	W	ireless network HD camera	Model:	WSC-580W
Temperature:	25	5 ℃	Relative Humidity:	55%
Test Voltage:	A	C 120V/60 Hz		13
Test Mode: TX 802.11G Mode				
Channel frequency 6dB Bandwidth 9		99% Bandwidth	Limit	
(MHz)		(MHz)	(MHz)	(MHz)
2412		15.623	16.3873	
2437		15.410	16.3863	>=0.5
2462		15.148	16.3937	
802.11G Mode				
2412 MHz				

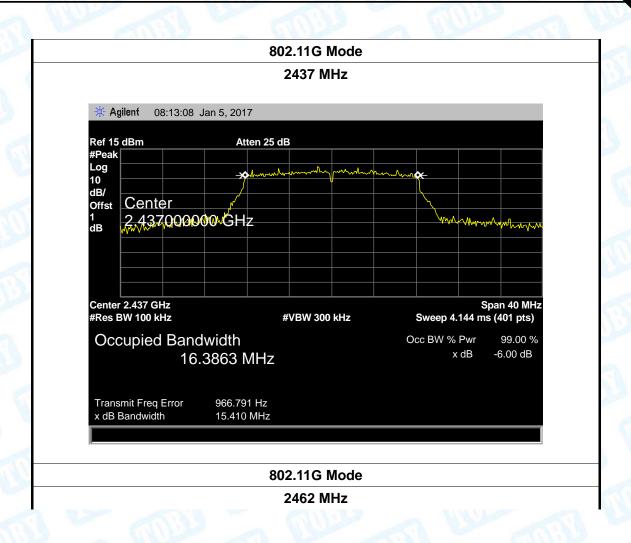


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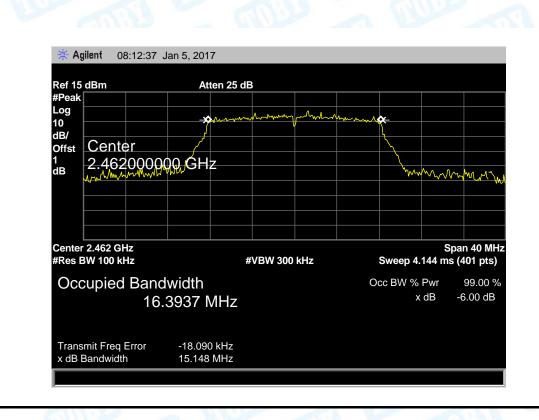


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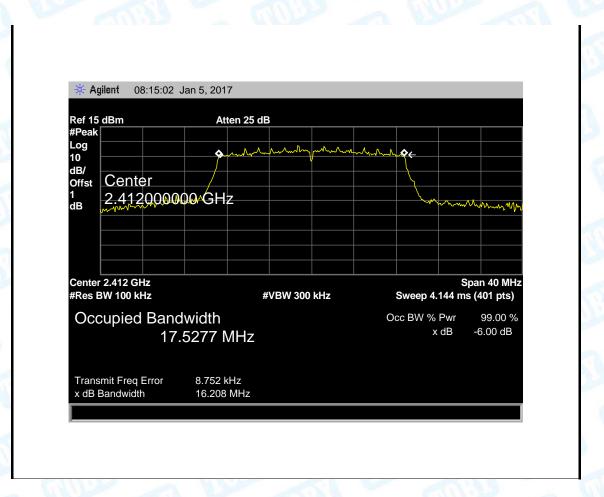
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EUT:	Wireless network HD camera	Model:	WSC-580W	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60 Hz			
Test Mode:	TX 802.11N(HT20) Mode		CHILDRE	
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit	
(MHz)	(MHz)	(MHz)	(MHz)	
2412	16.208	17.5277		
2437	16.093	17.5324	>=0.5	
2462	15.269	17.5031		
802.11N(HT20) Mode				
2412 MHz				

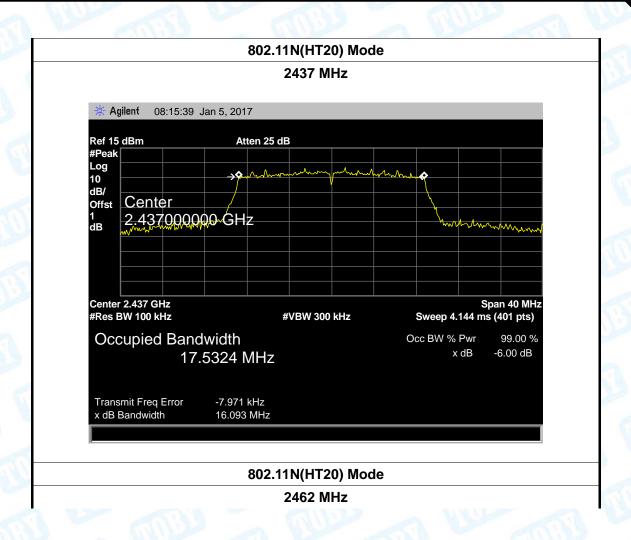


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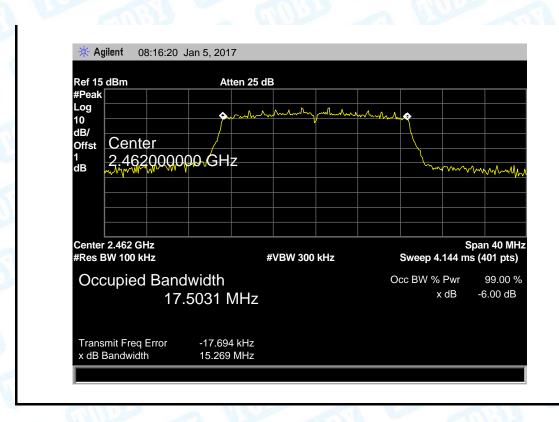


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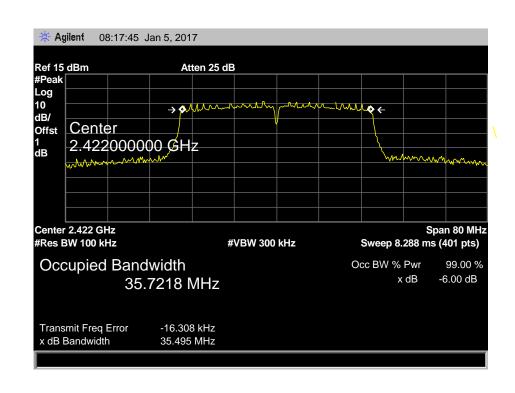


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EUT:	Wireless network HD camera	Model:	WSC-580W
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz	0 - 0	11105
Test Mode: TX 802.11N(HT40) Mode			ang?
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2422	35.495	35.7218	
2437	35.560	35.7609	>=0.5
2452	35.475	35.7344	
802 11N(HT40) Mode			

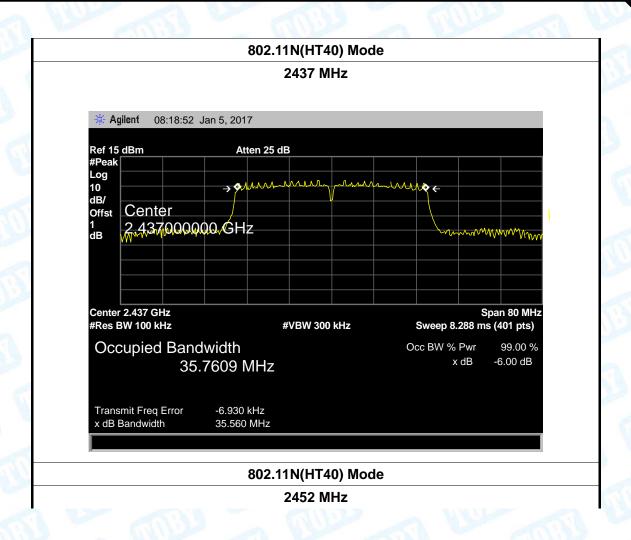
802.11N(HT40) Mode

2422 MHz



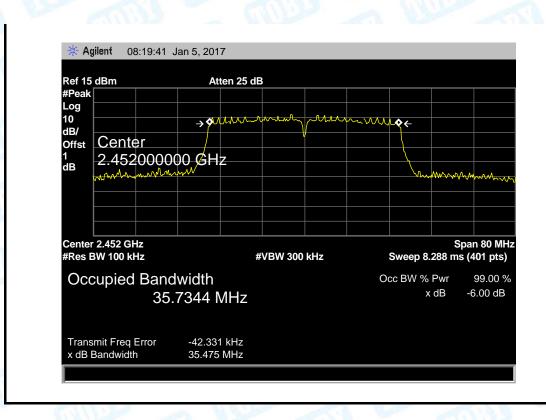


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8. Peak Output Power Test

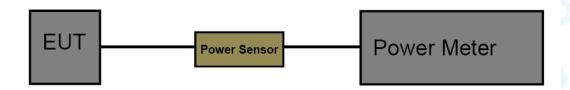
8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210			
Test Item Limit Frequency Range(MI			
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.

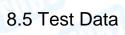
The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater or equal to the DTS bandwidth of the equipment.

8.4 EUT Operating Condition

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



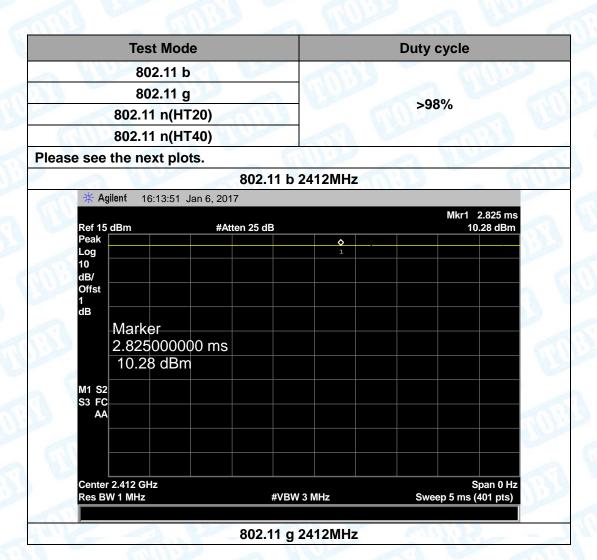
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EUT:	Wireless network HD camera	Model:	WSC-580W
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	TU	
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
	2412	17.80	
802.11b	2437	17.60	
	2462	18.36	
	2412	15.81	
802.11g	2437	15.98	
	2462	15.99	30
000 44 =	2412	14.82	30
802.11n (HT20)	2437	14.73	
(11120)	2462	15.06	
000 44	2422	14.85	
802.11n	2437	14.70	
(HT40)	2452	15.02	
,	Result:	PASS	

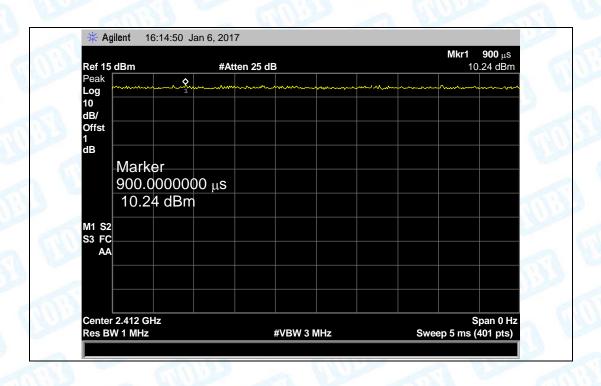


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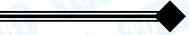


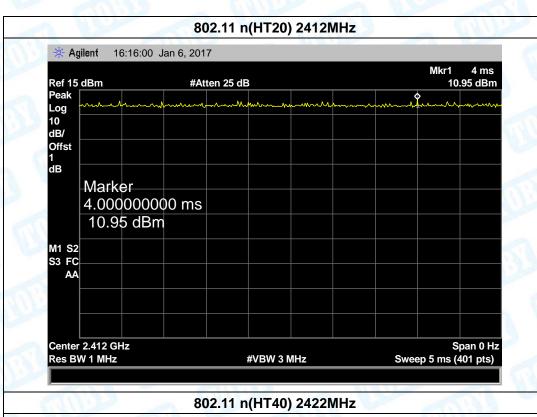
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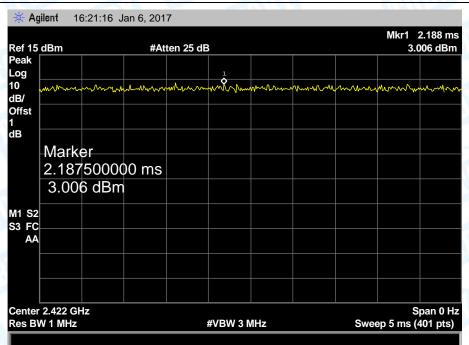




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9. Power Spectral Density Test

9.1 Test Standard and Limit

9.1.1 Test Standard FCC Part 15.247 (e)

9.1.2 Test Limit

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

9.2 Test Setup



9.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance 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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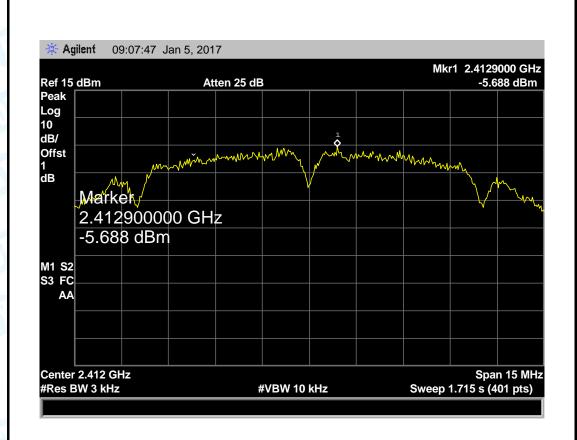
2462

EUT:	Wireless camera	network HD	Model:	WSC-580W
Temperature:	25 ℃		Relative Humidity:	55%
Test Voltage:	AC 120V/	60Hz		A U
Test Mode:	TX 802.1	1B Mode		
Channel Frequency	uency	Powe	er Density	Limit
(MHz)		(3 k	Hz/dBm)	(dBm)
2412		-	5.688	
2437		-	5.571	8

802.11B Mode

-4.873

2412 MHz



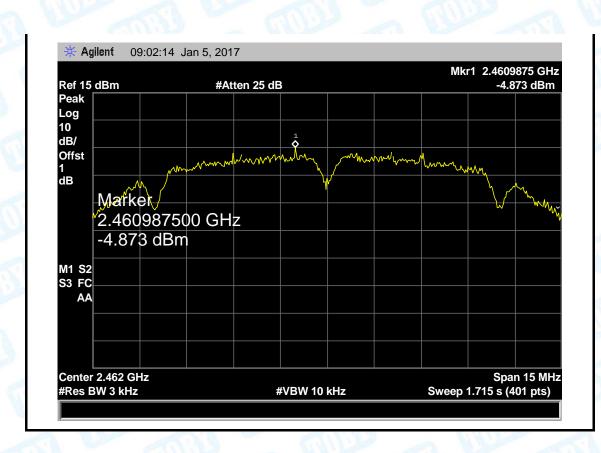


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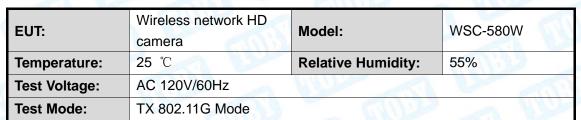


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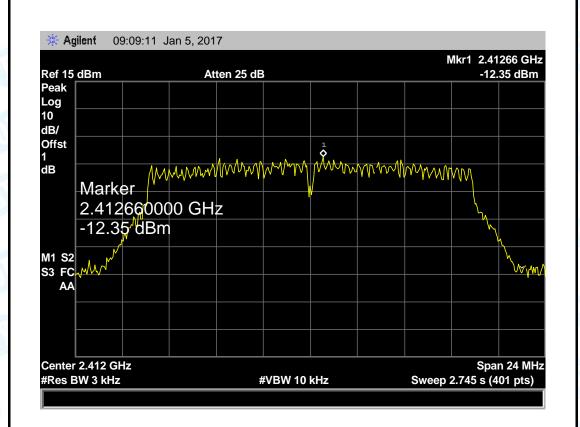
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Power Density	Limit
(3 kHz/dBm)	(dBm)
-12.35	
-11.28	8
-11.75	
	(3 kHz/dBm) -12.35 -11.28

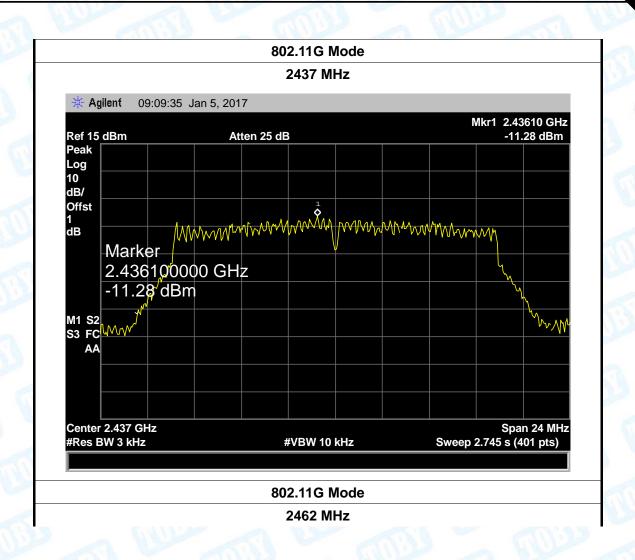
802.11G Mode

2412 MHz



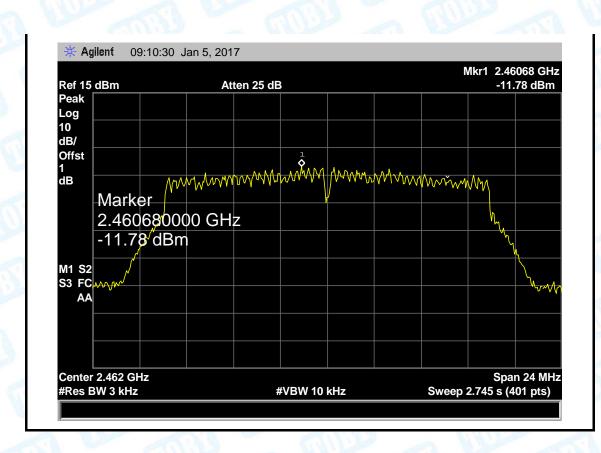


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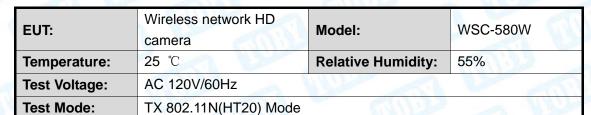


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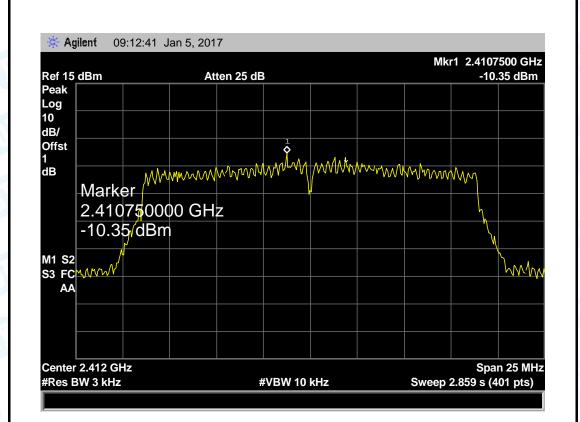
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	Channel Frequency	Power Density	Limit
	(MHz)	(3 kHz/dBm)	(dBm)
	2412	-10.35	
	2437	-12.00	8
١	2462	-12.65	

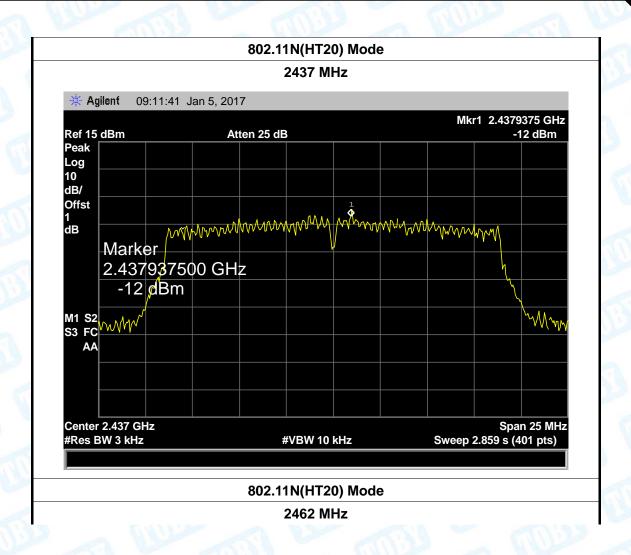
802.11N(HT20) Mode

2412 MHz



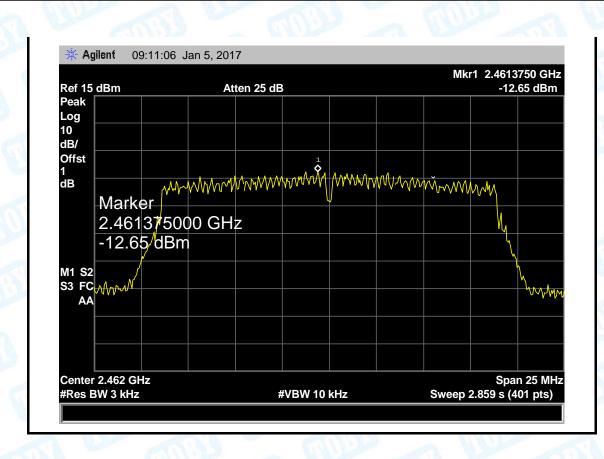


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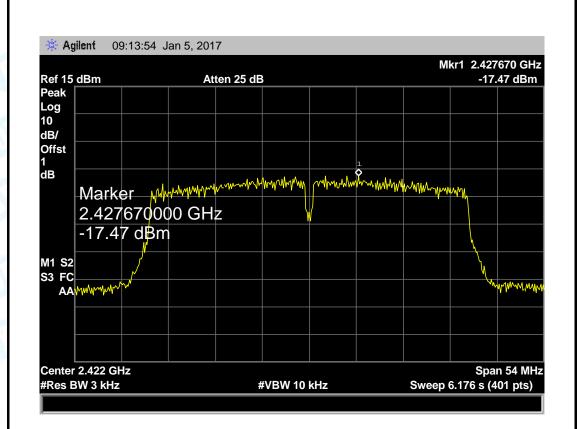
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EUT:	Wireless network HD camera	Model:	WSC-580W
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802 11N(HT40) Mode		THE THE

Channel Frequency	Power Density	Limit
(MHz)	(3 kHz/dBm)	(dBm)
2422	-17.47	
2437	-14.52	8
2452	-17.70	

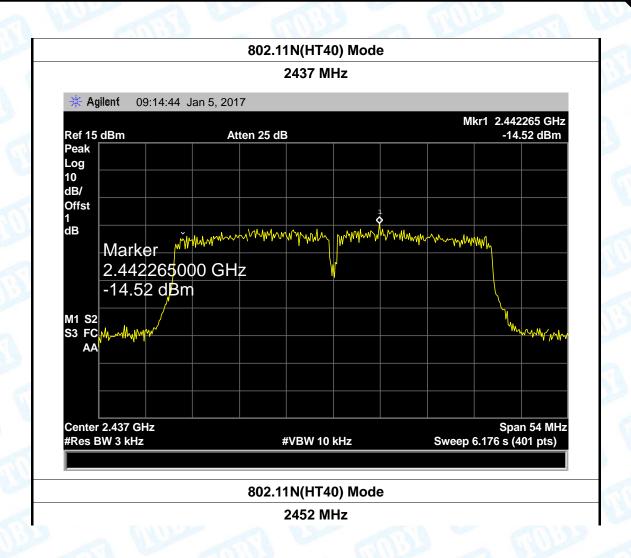
802.11N(HT40) Mode

2422 MHz



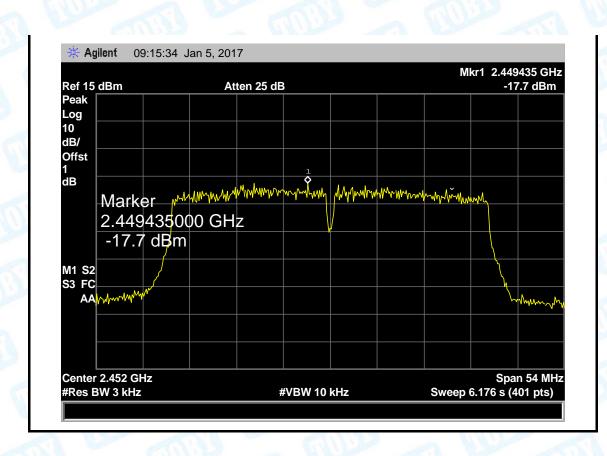


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10.1 Standard Requirement

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 3.5 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 dipole Antenna. It complies with the standard requirement.

Antenna Type	
Win	□ Permanent attached antenna
	☑ Unique connector antenna
All Control	□ Professional installation antenna

----END OF REPORT----