

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC155734

1 of 76 Page:

FCC Radio Test Report FCC ID: 2AJ8TJD173G-X03

Original Grant

Report No. TB-FCC155734

Shen Zhen JoyHong Technology Co., Ltd **Applicant**

Equipment Under Test (EUT)

EUT Name Digital photo frame

Model No. JD173G-X03

Series Model No. AWDMPF117F

Brand Name N/A

Receipt Date 2017-06-27

2017-06-28 to 2017-07-05 **Test Date**

Issue Date 2017-07-06

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.

TB-RF-074-1.0

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1. General Information about EUT

1.1 Client Information

Applicant: Shen Zhen JoyHong Technology Co., Ltd

Address : Building A2, Zhengfeng Industrial Park, Fengtang Road, Fuyong,

Baoan, Shenzhen, China

Manufacturer : Shen Zhen JoyHong Technology Co., Ltd

Address : Building A2, Zhengfeng Industrial Park, Fengtang Road, Fuyong,

Baoan, Shenzhen, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	Digital photo frame	Digital photo frame		
Models No.	4	JD173G-X03, AWDMPF117F			
Model Difference	, , , , , , , , , , , , , , , , , , , ,				
	1	Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz		
		Number of Channel:	802.11b/g/n(HT20):11 channels see note(3)		
		RF Output Power:	802.11b: 8.94dBm 802.11g: 8.43dBm 802.11n (HT20): 7.95dBm		
Product	a	Antenna Gain:	0.5dBi FPC Antenna		
Description		Modulation Type:	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (BPSK,QPSK,16QAM, 64QAM)		
	3	Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps 802.11n:up to 150Mbps		
Power Supply		DC Voltage supplied fr	om Switching Adapter		
Power Rating	:	AC/DC Adapter (TEKA024-1202000UK) Input: AC 100~240V, 50/60Hz, 0.7A Output: DC 12V, 2.0A			
Connecting I/O Port(S)		Please refer to the Use	er's Manual		

Note:

- (1) This Test Report is FCC Part 15.247 for 802.11b/g/n, the test procedure follows the FCC KDB 558074 D01 DTS Meas Guidance v04.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



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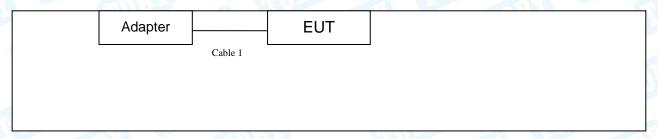
(3) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		
Note: CH 01~CH 1	1 for 802.11b/g/n(HT2	20)			

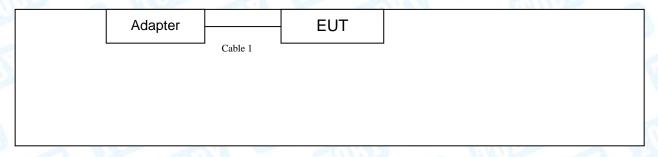
(4) The Antenna information about the equipment is provided by the applicant.

1.3 Block Diagram Showing the Configuration of System Tested

Normal Working Mode



TX Mode



1.4 Description of Support Units

	E	Equipment Information	tion	
Name	Model	FCC ID/VOC	Manufacturer	Used "√"
		400		
		Cable Information		
Number	Shielded Type	Ferrite Core	Length	Note
Cable 1	NO	YES	1.2M	



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1.5 Description of Test Mode

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

For (Conducted Test
Final Test Mode	Description
Mode 1	Connect to AC Adapter with TX B Mode

	A W POLICE AND A MARKET AND A
	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

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)

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



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1.6 Description of Test Software Setting

During testing channel&Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of WLAN.

Test Software Version	FCC_Espressif_4.0.apk		
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

1.7 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty (U _{Lab})
	Level Accuracy:	
Conducted Emission	9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
Dadiated Emission	Level Accuracy:	. 4 CO dD
Radiated Emission	9kHz to 30 MHz	±4.60 dB
Dadiated Emission	Level Accuracy:	. 4 40 dD
Radiated Emission	30MHz to 1000 MHz	±4.40 dB
Radiated Emission	Level Accuracy:	±4.20 dB
Naulateu Emission	Above 1000MHz	±4.20 UD



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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	Judgment	Remark
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)			
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	Dawer Chartral Danaity	PASS	N/A
15.247 (e)	5.2 (2)	Power Spectral Density	PASS	
15 047(d)	RSS 247	Pand Edga	DACC	N/A
15.247(d)	5.5	Band Edge	PASS	
15.247(d)&	RSS 247	RSS 247 Transmitter Radiated Spurious		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

Receiver	I. 21, 2017 I. 21, 2017
Direction Systems Inc	
Radiation Emission Test Radiation Emission Test	Market S
Radiation Emission Test Model No. Serial No. Last Cal. C D Spectrum Analyzer Analyzer EMI Test Receiver Bilog Antenna ETS-LINDGREN 3142E A0117537 Mar.25, 2016 Jul. 22, 2017 M Horn Antenna ETS-LINDGREN 3117 00143207 Mar.24, 2017 M Horn Antenna Laplace instrument RF300 0701 Mar.24, 2017 M Pre-amplifier Sonoma 310N 185903 Mar.25, 2017 M Pre-amplifier HP 8449B 3008A0849	l. 21, 2017
Equipment Manufacturer Model No. Serial No. Last Cal. C D Spectrum Analyzer Agilent E4407B MY45106456 Jul. 22, 2016 Jul. 22, 2016 EMI Test Receiver Rohde & Schwarz ESPI 100010/007 Jul. 22, 2016 Jul. 22, 2016 Bilog Antenna ETS-LINDGREN 3142E 00117537 Mar.25, 2017 M Bilog Antenna ETS-LINDGREN 3142E 00117542 Mar.25, 2017 M Horn Antenna ETS-LINDGREN 3117 00143207 Mar.24, 2017 M Horn Antenna ETS-LINDGREN 3117 00143209 Mar.24, 2017 M Loop Antenna Laplace instrument RF300 0701 Mar.24, 2017 M Pre-amplifier Sonoma 310N 185903 Mar.25, 2017 M Pre-amplifier HP 8449B 3008A00849 Mar.24, 2017 M Cable HUBER+SUHNER 100 SUCOFLEX Mar.25, 2017 M Positioning Controller ETS-LINDGREN	l. 21, 2017
Equipment Manufacturer Model No. Serial No. Last Cal. D Spectrum Analyzer Agilent E4407B MY45106456 Jul. 22, 2016 Jul. 22, 2017 M M An. 25, 2017 M M An. 25, 2017 M M An. 24, 2017 M M An. 25, 2017 M M An. 25, 2017 M An. 24, 2017 M An. 24, 2017 M	
Analyzer Agilent E4407B MY45106456 JUI. 22, 2016 JUI. 22, 2017 M Horn Antenna ETS-LINDGREN 3117 00143207 Mar. 24, 2017 M Mar. 24, 2017 M Mar. 24, 2017 M Mar. 24, 2017 M Mar. 25, 2017 M Mar. 25, 2017 M Mar. 25, 2017 M Mar. 24, 2017 M Mar. 24, 2017 M Mar. 24, 2017 M Mar. 24, 2017 M Mar. 25, 2017 M M Mar. 25, 2017 M M M	al. Due ate
Rohde & Schwarz ESPI 100010/007 Jul. 22, 2016 Jul. 22, 2017 Mar. 25, 2017 Mar. 25, 2017 Mar. 25, 2017 Mar. 25, 2017 Mar. 26, 2017 Mar. 26, 2017 Mar. 24, 2017 Mar. 26, 2017 Mar. 27, 2017 Mar. 28, 2017 Mar. 29, 2017 Mar. 2	l. 21, 2017
Bilog Antenna ETS-LINDGREN 3142E 00117542 Mar.25, 2017 Mar.24, 2017 Mar.25, 2017 Mar.26, 2017	l. 21, 2017
Horn Antenna ETS-LINDGREN 3117 00143207 Mar.24, 2017 M Horn Antenna ETS-LINDGREN 3117 00143209 Mar.24, 2017 M Loop Antenna Laplace instrument RF300 0701 Mar.24, 2017 M Pre-amplifier Sonoma 310N 185903 Mar.25, 2017 M Pre-amplifier HP 8449B 3008A00849 Mar.24, 2017 M Cable HUBER+SUHNER 100 SUCOFLEX Mar.25, 2017 M Positioning Controller ETS-LINDGREN 2090 N/A N/A N/A Antenna Conducted Emission Model No. Serial No. Last Cal. C Spectrum Model No. Serial No. Last Cal. D	ar. 24, 201
Horn Antenna ETS-LINDGREN 3117 00143209 Mar.24, 2017 M. Loop Antenna Laplace instrument RF300 0701 Mar.24, 2017 M. Pre-amplifier Sonoma 310N 185903 Mar.25, 2017 M. Pre-amplifier HP 8449B 3008A00849 Mar.24, 2017 M. Cable HUBER+SUHNER 100 SUCOFLEX Mar.25, 2017 M. Positioning Controller ETS-LINDGREN 2090 N/A N/A N/A N/A N/A Sucception Manufacturer Model No. Serial No. Last Cal. C. D. Spectrum	ar. 24, 201
Loop Antenna Laplace instrument RF300 0701 Mar.24, 2017 Mere-amplifier Sonoma 310N 185903 Mar.25, 2017 Mere-amplifier HP 8449B 3008A00849 Mar.24, 2017 Mere-amplifier HD 8449B SUCOFLEX Mar.25, 2017 Mere-amplifier HD BER+SUHNER 100 SUCOFLEX Mar.25, 2017 Mere-amplifier ETS-LINDGREN 2090 N/A N/A N/A N/A N/A N/A Sucception Mere-amplifier Manufacturer Model No. Serial No. Last Cal. Description Spectrum	ar. 23, 201
Pre-amplifier Sonoma 310N 185903 Mar.25, 2017 M Pre-amplifier HP 8449B 3008A00849 Mar.24, 2017 M Cable HUBER+SUHNER 100 SUCOFLEX Mar.25, 2017 M Positioning Controller ETS-LINDGREN 2090 N/A N/A N/A Antenna Conducted Emission Equipment Manufacturer Model No. Serial No. Last Cal. D	ar. 23, 201
Pre-amplifier HP 8449B 3008A00849 Mar.24, 2017 M Cable HUBER+SUHNER 100 SUCOFLEX Mar.25, 2017 M Positioning Controller ETS-LINDGREN 2090 N/A N/A N/A Antenna Conducted Emission Equipment Manufacturer Model No. Serial No. Last Cal. D Spectrum	ar. 23, 201
Cable HUBER+SUHNER 100 SUCOFLEX Mar.25, 2017 M Positioning Controller ETS-LINDGREN 2090 N/A N/A N/A Antenna Conducted Emission Equipment Manufacturer Model No. Serial No. Last Cal. D Spectrum	ar. 24, 201
Positioning Controller 2090 N/A N/A N/A N/A Antenna Conducted Emission Equipment Manufacturer Model No. Serial No. Last Cal. D	ar. 23, 201
Antenna Conducted Emission Equipment Manufacturer Model No. Serial No. Last Cal. Spectrum	ar. 24, 201
Equipment Manufacturer Model No. Serial No. Last Cal. D	A
Equipment Manufacturer Model No. Serial No. Last Cal. D Spectrum	
Spectrum	al. Due ate
Analyzer Agilent E4407B MY45106456 Jul. 22, 2016 Jul. 22,	l. 21, 2017
Spectrum Analyzer Rohde & Schwarz ESCI 100010/007 Jul. 22, 2016 Jul. 22, 2016	l. 21, 2017
Power Meter Anritsu ML2495A 25406005 Jul. 22, 2016 Ju	l. 21, 2017
Power Sensor Anritsu ML2411B 25406005 Jul. 22, 2016 Ju	l. 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

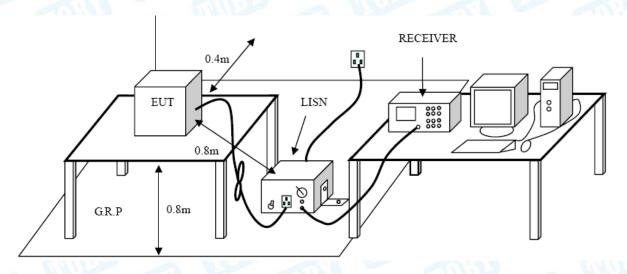
Conducted Emission Test Limit

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: Digital photo frame **Model Name:** JD173G-X03 25 ℃ Temperature: **Relative Humidity:** 55% Test Voltage: AC 120V/60Hz Terminal: Line **Test Mode:** Connect to AC Adapter with TX B Mode Remark: Only worse case is reported 100.0 dBuV QP: AVG: AVG 0.00.150 (MHz) 30.000 Reading Correct Measure-Limit Over No. Mk. Freq. Level Factor ment dBuV MHz dB dBuV dBuV dB Detector 1 0.158038.84 9.58 48.42 65.56 -17.14 QP 2 -23.01 0.158022.97 32.55 55.56 AVG 9.58 3 0.2900 28.81 9.59 38.40 60.52 -22.12QΡ 4 0.2900 16.55 9.59 26.14 50.52 -24.38 AVG 5 32.76 42.36 QΡ 0.3540 9.60 58.87 -16.510.3540 21.18 30.78 48.87 -18.09AVG 6 9.60 7 0.4260 30.13 9.60 39.73 57.33 -17.60 QP 18.22 47.33 -19.51 8 0.4260 9.60 27.82 AVG 9 0.7220 21.05 30.66 56.00 -25.34 QP 9.61 10 0.7220 16.02 25.63 46.00 -20.37 AVG 9.61 11 1.8100 18.66 9.61 28.27 56.00 -27.73 QP 12 1.8100 5.41 9.61 15.02 46.00 -30.98 AVG **Emission Level= Read Level+ Correct Factor**



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EUT:	Digital	photo frame	e M	odel Name		JD173G-X03		
Temperature:	25 ℃	Carrie	Re	elative Hum	idity:	55%	ABOVE	
Test Voltage:	AC 120	OV/60Hz		11	(Al	11/10		
Terminal:	Neutra		Alle		J C	100	MIN.	
Test Mode:	Conne	ct to AC Ad	apter with T	X B Mode				
Remark:	Only w	orse case i	s reported	6		35		
100.0 dBuV						0.0		
						QP: AVG:		
50		**************************************	The house the second of the se	aphilipathykennyenipenipenipenipenipenipenipenipenipenip	agglifelden og gillen skægener	Market Language and State Age of State Age o	pea	
	, 1,111	1 110 110	11 4 7 77 7	. L	(AAAA PAKATAA AAAA		AV	
0.0	0.5		(MHz)	5			30.000	
No. Mk. F	req.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
ı	ИНz	dBuV	dB	dBuV	dBuV	dB	Detecto	
1 0.1	1539	0.88	9.64	10.52	65.78	-55.26	QP	
2 0.1	1539	-3.73	9.64	5.91	55.78	-49.87	AVC	
3 0.3	3700	-0.29	9.58	9.29	58.50	-49.21	QP	
4 0.3	3700	-4.85	9.58	4.73	48.50	-43.77	AVC	
5 0.2	2860	2.56	9.58	12.14	60.64	-48.50	QP	
6 0.2	2860	-1.43	9.58	8.15	50.64	-42.49	AVC	
	7740	-0.63	9.59	8.96	56.00	-47.04	QP	
	7740	-5.10	9.59	4.49		-41.51	AVC	
	2460	-0.63	9.59	8.96		-47.04	QP	
	2460	-5.07	9.59	4.52	46.00		AVO	
10 1			9.64	9.03		-46.97	QP	
	5460	-0.61			00.00	.0.01	Sel	
11 2.5	5460 5460	-0.61 -4.98	9.64	4.66	46.00	-41.34	AVO	



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UT:	Digita	I photo frame		Model Nam	e:	JD1730	S-X03
emperature	e: 25 °C	Can't		Relative Hu	midity:	55%	A Brown
est Voltage	: AC 24	40V/60Hz	1	10	(711)	1:33	
erminal:	Line		aline		100		MI
est Mode:	Conn	ect to AC Ada	apter with T	X B Mode		a W	A Laboratory
Remark:	Only	worse case is	reported	C.		13	
100.0 dBuV						QP:	
50			John Son John Son John Son	Martin berton bereich verscher verscher	Herry Jan Hard	AVG:	pe AV
0.0 0.150 No. Mk.	o.s Freq.	Reading	(MHz) Correct Factor	Measure- ment	Limit	Over	30.000
	MHz	dBuV	dB	dBuV	dBuV	dB	Detecto
1 *	0.1740	40.37	9.58	49.95	64.76	-14.81	QP
2	0.1740	22.76	9.58	32.34	54.76	-22.42	AV
3	0.1940	38.96	9.58	48.54	63.86	-15.32	QP
4	0.1940	21.70	9.58	31.28		-22.58	AVO
5	0.2380	36.41	9.58	45.99		-16.17	QP
6	0.2380	21.69	9.58	31.27		-20.89	AVO
7	0.4260	31.18	9.60	40.78		-16.55	QP
8	0.4260	19.14	9.60	28.74		-18.59	AVO
9	0.6100	21.26	9.61	30.87		-25.13	QP
10	0.6100	8.98	9.61	18.59		-27.41	AVO
	0.9780	17.80	9.60	27.40		-28.60 -31.30	QP
11	0.9780	5.10	9.60	14.70			AV(



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UT:	Digita	l photo frame	е	Model Name	:	JD173G-	-X03
emperature:	25 ℃			Relative Hur		55%	THE REAL PROPERTY.
est Voltage:	AC 24	10V/60Hz		112	G	11:15	
erminal:	Neutra	al	THU		1 W		MAN'
est Mode:	Conne	ect to AC Ad	apter with	TX B Mode		0 N	
Remark:	Only v	worse case i	s reported	1		35	
100.0 dBuV							
						QP: AVG:	
50 MMX							
T I WAY	WM//// I.		X				
MANNA	<u>, `</u> ` \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Which will make the first and	Muliathan	ANNI MANAHAMIAN MAKAMAM	14. 4. 4.	Luck white him you way	pathoga, my transference
1	4. 71711741	איעור יייואן ויון	All All a Albania	A Line of the Affinish of the ow	Millerychalloplanous	Appropries	MANA MANA
4	TY WILL HAND	Market I John L.	بالمالية بالمالية		1.1 1 11	The state of the s	И.
Ч	m M Myhr	Andrew Market	Larydolft hay Jalla enger	- American Andrews	m/heliphalmae /hond	March de de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición dela composición de la composición de la composición de la composición dela composición	pε
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0.0	0.5	ALCON TO THE PROPERTY OF THE P	(MHz)	of property languages	on his hard was ylawd	had when the same	ľ
	0.5			5		perdudon may	AV
0.150		Reading	Correct	Measure-		Over	A
	Freq.	Reading Level	Correct Factor	Measure- ment	Limit		30.000
0.150 No. Mk.	Freq.	Reading Level dBuV	Correct Factor	Measure- ment dBuV	Limit	dB	30.000 Detecto
0.150 No. Mk.	Freq. MHz .1700	Reading Level dBuV 39.02	Correct Factor dB	Measure- ment dBuV 48.66	Limit dBuV 64.96	dB -16.30	30.000 Detecto
0.150 No. Mk. 1 0 2 0	Freq. MHz .1700	Reading Level dBuV 39.02 24.14	Correct Factor dB 9.64 9.64	Measure- ment dBuV 48.66 33.78	Limit dBuV 64.96 54.96	dB -16.30 -21.18	30.000 Detecto
0.150 No. Mk. 1 0 2 0 3 0	Freq. MHz .1700 .1700	Reading Level dBuV 39.02 24.14 36.46	Correct Factor dB 9.64 9.64 9.65	Measure- ment dBuV 48.66 33.78 46.11	Limit dBuV 64.96 54.96 63.36	dB -16.30 -21.18 -17.25	Detector QP
0.150 No. Mk. 1 0 2 0 3 0 4 0	Freq. MHz .1700 .1700 .2060	Reading Level dBuV 39.02 24.14 36.46 22.23	Correct Factor dB 9.64 9.64 9.65 9.65	Measure- ment dBuV 48.66 33.78 46.11 31.88	Limit dBuV 64.96 54.96 63.36 53.36	dB -16.30 -21.18 -17.25 -21.48	Detector QP AV(
0.150 No. Mk. 1 0 2 0 3 0 4 0 5 0	Freq. MHz .1700 .1700 .2060 .2060 .4180	Reading Level dBuV 39.02 24.14 36.46 22.23 33.46	Correct Factor dB 9.64 9.64 9.65 9.65 9.58	Measure- ment dBuV 48.66 33.78 46.11 31.88 43.04	Limit dBuV 64.96 54.96 63.36 57.49	dB -16.30 -21.18 -17.25 -21.48 -14.45	Detector QP AV(QP AV(
0.150 No. Mk. 1 0 2 0 3 0 4 0 5 0 6 * 0	Freq. MHz .1700 .1700 .2060 .2060 .4180	Reading Level dBuV 39.02 24.14 36.46 22.23 33.46 25.26	Correct Factor dB 9.64 9.65 9.65 9.58 9.58	Measure- ment dBuV 48.66 33.78 46.11 31.88 43.04 34.84	Limit dBuV 64.96 54.96 63.36 57.49 47.49	dB -16.30 -21.18 -17.25 -21.48 -14.45 -12.65	Detector QP AV0 QP AV0
0.150 No. Mk. 1 0 2 0 3 0 4 0 5 0 6 * 0	Freq. MHz .1700 .1700 .2060 .2060 .4180	Reading Level dBuV 39.02 24.14 36.46 22.23 33.46	Correct Factor dB 9.64 9.64 9.65 9.65 9.58	Measure- ment dBuV 48.66 33.78 46.11 31.88 43.04	Limit dBuV 64.96 54.96 63.36 57.49 47.49	dB -16.30 -21.18 -17.25 -21.48 -14.45	Detector QP AV0 QP AV0
0.150 No. Mk. 1 0 2 0 3 0 4 0 5 0 6 * 0 7 0	Freq. MHz .1700 .1700 .2060 .2060 .4180	Reading Level dBuV 39.02 24.14 36.46 22.23 33.46 25.26	Correct Factor dB 9.64 9.65 9.65 9.58 9.58	Measure- ment dBuV 48.66 33.78 46.11 31.88 43.04 34.84	Limit dBuV 64.96 54.96 63.36 57.49 47.49 56.00	dB -16.30 -21.18 -17.25 -21.48 -14.45 -12.65	Detector QP AV(QP AV(
0.150 No. Mk. 1 0 2 0 3 0 4 0 5 0 6 * 0 7 0 8 0	Freq. MHz .1700 .1700 .2060 .2060 .4180 .4180 .6820	Reading Level dBuV 39.02 24.14 36.46 22.23 33.46 25.26 18.77	Correct Factor dB 9.64 9.65 9.65 9.58 9.58	Measure- ment dBuV 48.66 33.78 46.11 31.88 43.04 34.84 28.36	Limit dBuV 64.96 54.96 63.36 57.49 47.49 56.00 46.00	dB -16.30 -21.18 -17.25 -21.48 -14.45 -12.65 -27.64	Detector QP AV0 QP AV0 QP AV0
0.150 No. Mk. 1 0 2 0 3 0 4 0 5 0 6 * 0 7 0 8 0 9 1	Freq. MHz .1700 .1700 .2060 .2060 .4180 .4180 .6820	Reading Level dBuV 39.02 24.14 36.46 22.23 33.46 25.26 18.77 9.38	Correct Factor dB 9.64 9.65 9.65 9.58 9.58 9.59	Measure- ment dBuV 48.66 33.78 46.11 31.88 43.04 34.84 28.36 18.97	Limit dBuV 64.96 54.96 63.36 57.49 47.49 56.00 46.00	dB -16.30 -21.18 -17.25 -21.48 -14.45 -12.65 -27.64 -27.03	Detector QP AV(QP AV(QP AV(QP AV(
0.150 No. Mk. 1 0 2 0 3 0 4 0 5 0 6 * 0 7 0 8 0 9 1 10 1	Freq. MHz .1700 .1700 .2060 .2060 .4180 .4180 .6820 .6820 .3099	Reading Level dBuV 39.02 24.14 36.46 22.23 33.46 25.26 18.77 9.38 20.71	Correct Factor dB 9.64 9.65 9.65 9.58 9.58 9.59 9.59	Measure- ment dBuV 48.66 33.78 46.11 31.88 43.04 34.84 28.36 18.97 30.31	Limit dBuV 64.96 54.96 63.36 57.49 47.49 56.00 46.00 46.00	dB -16.30 -21.18 -17.25 -21.48 -14.45 -12.65 -27.64 -27.03 -25.69	Detector QP AV0 QP AV0 QP AV0 QP AV0



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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			

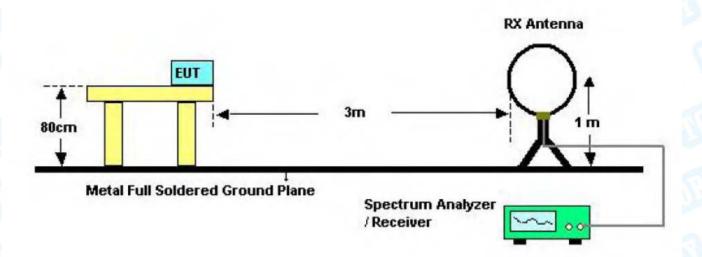
Note:

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

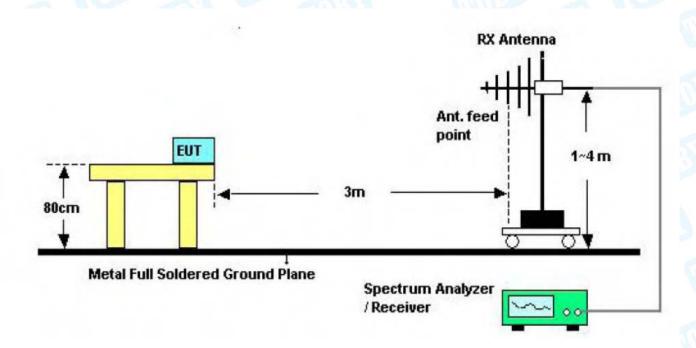


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5.2 Test Setup



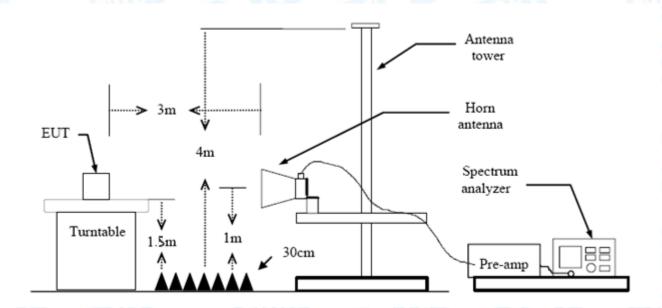
Below 30MHz Test Setup



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.



21 of 76 Page:

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.

30MHz~1GHz

EU.	1.			וט	yıı	аιр	IIOI	to fr	am	е		Model:				JD173G-X03			3				
Ten	nper	atur	e:	25	5°C	C							Rela	ative	e Hu	ımi	dity	:	55°	%			
Tes	t Vo	Itage) :	A	C 1	20\	V/6	0HZ	Z	(M					163		الخ				(1)	
Ant	t. Po	I.		Н	oriz	ont	tal	1		1			1	(3)					6	N	N		2
Tes	t Mc	ode:		T	ΧB	Mo	ode	24	121	ИНz	1		13			A	1		N				
Rei	mark	(:		0	nly	wo	rse	cas	se i	is re	porte	d			0	1//							
80.0	0 dBu	.V/m																					_
																(RF)FC	C 15C			ation in -6	dВ	A
													_									6 X	-
							┌							3 X			4			X	. 1		1
30	سار			1							2 X		. '				بالمال.					/N	
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		Lugar.	7 9 4	17	wy	,M	LAKEN.	N _{WM}	ند اد	MAKE	"	" Mary	M.										
		۷.		_				- 4	Harliff A	W"													
		V.							начили	W													
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		V.							er en period														
-20 30	0.000	40	50	6	0 7	70 8	80		нт.,,		(MHz)				300		100	500	60	10 7	700	10	000.00
	0.000	40	50	6	0 7			adin	NGI.	· ·		+	Mos	acur			100	500	60	10 7	700	10	000.00
30	0.000 lo. N			eq		R	Rea	adin			(MHz) Orrectactor		Mea m	asur	e-		ioo mit			10 7		10	000.00
30			Fr			R	Rea Le			F	orrec		m		·e-	Li			0				000.00
30		Иk.	Fr	eq Hz	-	R	Rea Le	vel		F	orrec		m dB	ent	e-	Li	mit	m	0	ve	er	De	etect
N 1		Иk.	Fr M 57.1	eq Hz 91	. 4	R	Le dE	evel BuV 7.45	<u> </u>	-2	orrec actor B/m 4.16		dB 23	ent uV/n 3.29	n)	Li dE	mit BuV/	m O	0	ve dB 6.1	71	De	etect QP
N 1 2		Mk.	Fr M 57.1	eq Hz 91	4	R	Le dE 47	evel 3uV 7.45 5.93	; ;	-2	orrec actor B/m 4.16 0.73		m dB 23	ent uV/n 3.29 5.20	n)	Li dE 4	mit 3uV/ 0.0 3.5	m 0	-1 -1	ve dB 6.3	71 30	De	QP QP
N 1 2 3		/lk.	Fr M 57.1 50.0	eq Hz 91	4 08	R	Rea Le dE 47 45	vel 3uV 7.45 5.93 0.40	; ;	-2 -2 -1	B/m 4.16 0.73	r	m dB 23 25 33	ent uV/n 3.29 5.20 3.01	n)	Li dE 4 4	mit 3uV/ 0.0 3.5 6.0	m 0 0	-1 -1 -1	dB 6.3	71 30	De	QP QP
N 1 2 3 4		Mk.	Fr M 57.1 50.0 250.3	eq Hz 91 010	4 08 12 50	R	dE 47 45 50	3uV 7.45 5.93 0.40 3.78	i	-2 -2 -1	B/m 4.16 0.73 7.39	r	m dB 23 25 33	ent uV/n 3.29 5.20 3.01 2.18	n))	Li 4 4 4 4	mit 0.0 3.5 6.0	m 0 0 0	O' (1 -1 -1 -1 -1	dB 6.3 2.9	71 30 99	De	QP QP QP QP
N 1 2 3		Mk.	Fr M 57.1 50.0	eq Hz 91 010 135 941	4 08 12 50	R	Rea Le dE 47 45 50 43	vel 3uV 7.45 5.93 0.40		-2 -2 -1 -1	B/m 4.16 0.73	r	m dB 23 33 33 36 36	ent uV/n 3.29 5.20 3.01	re-	Li de 4 4 4 4 4	mit 3uV/ 0.0 3.5 6.0	0 0 0 0	-1 -1 -1 -1	dB 6.3	71 30 99 82	De	QP QP



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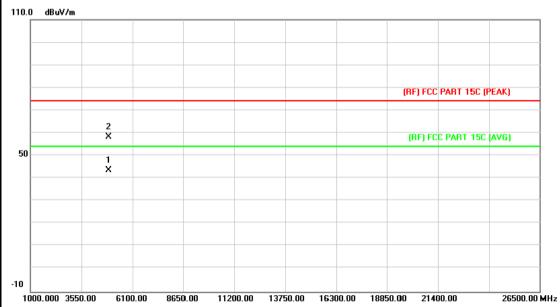
	Digita	al photo frame	Model:	J	JD173G-X03 55%				
Temperature:	25 °C		Relative Humidit	ty: 5					
Test Voltage:	AC 1	20V/60HZ		GU	1177				
Ant. Pol.	Verti	cal	No.	63	-				
Test Mode:	TX B	Mode 2412MHz							
Remark:	Only	worse case is rep	ported	m'	19				
30 dBuV/m	Mary Mark	The contract of the contract o	popular and a south and a south a sout	(RF)FCC 1	15C 3M Radiation Margin -6				
20	60 70	80	(MHz) 300	400 5	500 600 700	1000.00			
30.000 40 50	60 70	Reading Cor	(MHz) 300 Tect Measure-	400 5	500 600 700 Over	1000.00			
30.000 40 50 No. Mk. F		Reading Cor	rect Measure- ctor ment L			1000.00			
30.000 40 50 No. Mk. F	req.	Reading Cor Level Fa	rect Measure- ctor ment L	imit	Over				
No. Mk. F	req.	Reading Cor Level Fa	rect Measure- ctor ment L /m dBuV/m d	imit BuV/m	Over dB	Detecto			
No. Mk. F 1 31.4 2 ! 48.4	req. IHz	Reading Cor Level Fa dBuV dB 48.22 -14	mHz) 300 rect Measure- ctor ment L /m dBuV/m d .70 33.52 4 .59 34.88 4	imit BuV/m 40.00	Over dB -6.48	Detecto QP			
No. Mk. F No. 1 31.5 2 ! 48.5 3 * 73.6	req. Hz 5095 3429	Reading Cor Level Fa dBuV dB 48.22 -14 58.47 -23	mHz) 300 rect Measure- ctor ment L /m dBuV/m d .70 33.52 4 .59 34.88 4 .14 35.18 4	imit BuV/m 40.00 40.00	Over dB -6.48 -5.12	Detecto QP QP			
No. Mk. F No. Mk. F 1 31.3 2 ! 48.3 3 * 73.4 4 135.	req. Hz 5095 3429	Reading Cor Level Fa dBuV dB 48.22 -14 58.47 -23 58.32 -23	mHz) 300 rect Measure- ctor ment L /m dBuV/m d .70 33.52 4 .59 34.88 4 .14 35.18 4 .64 32.81 4	imit dBuV/m 40.00 40.00	Over dB -6.48 -5.12 -4.82	Detecto QP QP QP			



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Above 1GHz

Digital photo frame	Model:	JD173G-X03					
25 ℃	Relative Humidity:	55%					
AC 120V/60HZ	01 - 6	THE STATE OF THE S					
Horizontal							
TX B Mode 2412MHz		A VIVE					
No report for the emission which more than 10 dB below the prescribed							
limit.	P A W						
	25 °C AC 120V/60HZ Horizontal TX B Mode 2412MHz No report for the emission	25 °C Relative Humidity: AC 120V/60HZ Horizontal TX B Mode 2412MHz No report for the emission which more than 10 dB					

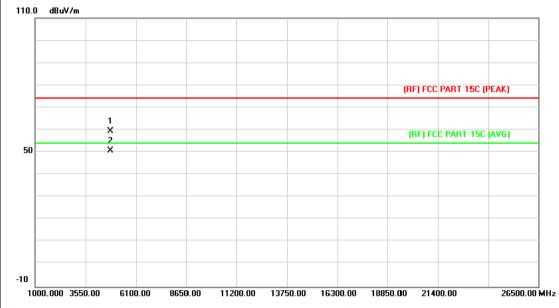


No.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.632	29.42	14.15	43.57	54.00	-10.43	AVG
2		4924.570	44.21	14.15	58.36	74.00	-15.64	peak



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EUT:	Digital photo frame	Model:	JD173G-X03					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ							
Ant. Pol.	Vertical							
Test Mode:	TX B Mode 2412MHz		2					
Remark:	No report for the emission which more than 10 dB below the							
	prescribed limit.							
i								

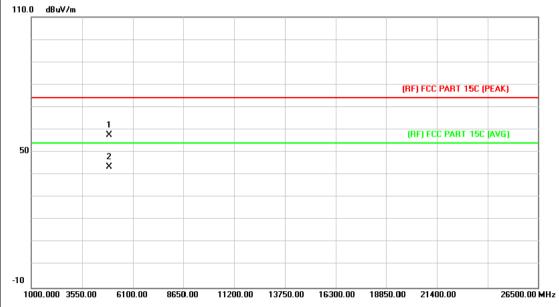


No.	Mk.	Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.574	45.99	13.56	59.55	74.00	-14.45	peak
2	*	4823.842	37.07	13.56	50.63	54.00	-3.37	AVG



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EUT:	Digital photo frame	Model:	JD173G-X03					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ	531	The second					
Ant. Pol.	Horizontal							
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		4923.002	43.58	14.15	57.73	74.00	-16.27	peak
2	*	4923.212	29.46	14.15	43.61	54.00	-10.39	AVG



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EUT:	Digital photo frame	Model:	JD173G-X03				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ						
Ant. Pol.	Vertical						
Test Mode:	TX B Mode 2437MHz		The same of the sa				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						



No	o. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Det
1	*	4873.000	28.95	13.86	42.81	54.00	-11.19	A
2		4874.568	42.76	13.86	56.62	74.00	-17.38	p



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EUT:	Digital photo frame	Model:	JD173G-X03				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ					
Ant. Pol.	Horizontal						
Test Mode:	TX B Mode 2462MHz						
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						
i			l.				

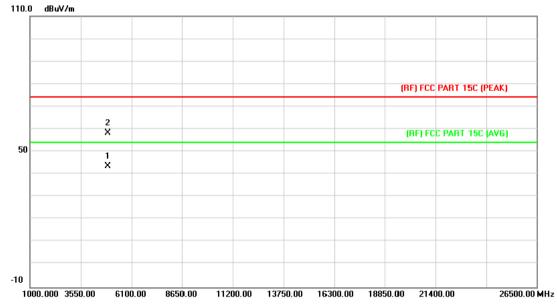


No.	.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	t	4923.210	29.42	14.15	43.57	54.00	-10.43	AVG
2			4923.406	44.11	14.15	58.26	74.00	-15.74	peak



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EUT:	Digital photo frame	Model:	JD173G-X03				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ	531					
Ant. Pol.	Vertical						
Test Mode:	TX B Mode 2462MHz						
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						
Romann.		on which more than 10 di	5 DOIOW THE				



No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.632	29.54	14.15	43.69	54.00	-10.31	AVG
2		4923.984	43.99	14.15	58.14	74.00	-15.86	peak



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EUT:	Digital photo frame	Model:	JD173G-X03					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ						
Ant. Pol.	Horizontal	Horizontal						
Test Mode:	TX G Mode 2412MHz							
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							
	process and a second							

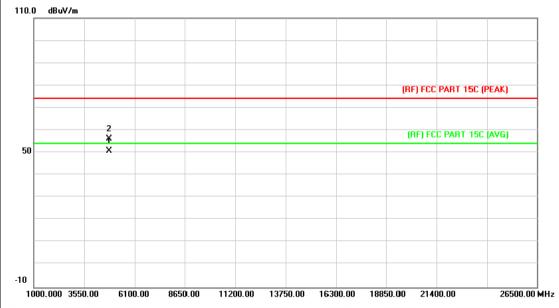


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.708	45.75	13.56	59.31	74.00	-14.69	peak
2	*	4823.738	29.27	13.56	42.83	54.00	-11.17	AVG



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EUT:	Digital photo frame	Model:	JD173G-X03					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ						
Ant. Pol.	Vertical							
Test Mode:	TX G Mode 2412MHz	WIID S	THE PERSON NAMED IN					
Remark:	No report for the emission which more than 10 dB below the							
	prescribed limit.							



No.	Ν	Лk.	Freq.			Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4	4823.842	37.05	13.56	50.61	54.00	-3.39	AVG
2		4	4825.000	42.44	13.57	56.01	74.00	-17.99	peak



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EUT:	Digital photo frame	Model:	JD173G-X03				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ					
Ant. Pol.	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.						

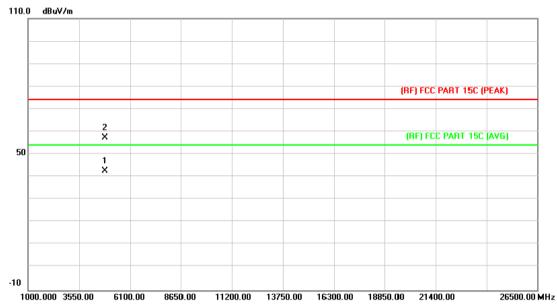


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.210	28.73	13.86	42.59	54.00	-11.41	AVG
2		4873.640	43.05	13.86	56.91	74.00	-17.09	peak



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EUT:	Digital photo frame	Model:	JD173G-X03				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ					
Ant. Pol.	Vertical						
Test Mode:	TX G Mode 2437MHz		A VIII				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

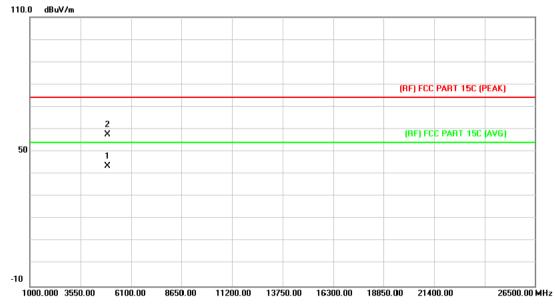


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.104	28.84	13.86	42.70	54.00	-11.30	AVG
2		4873.398	43.49	13.86	57.35	74.00	-16.65	peak



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EUT:	Digital photo frame	Model:	JD173G-X03					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ						
Ant. Pol.	Horizontal							
Test Mode:	TX G Mode 2462MHz							
Remark:	Remark: No report for the emission which more than 10 dB below the prescribed limit.							

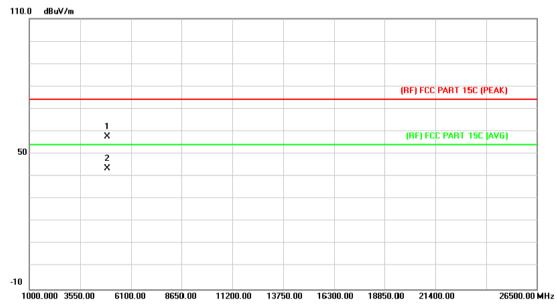


No.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.422	29.42	14.15	43.57	54.00	-10.43	AVG
2		4924.016	43.58	14.15	57.73	74.00	-16.27	peak



Page: 34 of 76

EUT:	Digital photo frame	Model:	JD173G-X03					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ						
Ant. Pol.	Vertical							
Test Mode:	TX G Mode 2462MHz	WIII DE						
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							

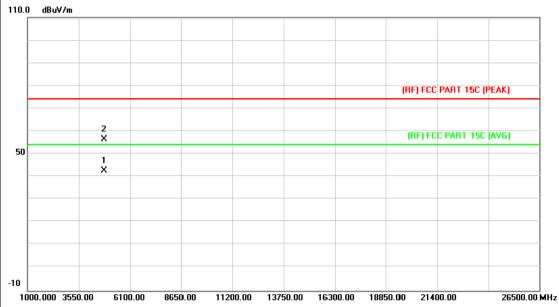


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.286	43.53	14.15	57.68	74.00	-16.32	peak
2	*	4923.286	29.47	14.15	43.62	54.00	-10.38	AVG



Page: 35 of 76

EUT:	Digital photo frame	Model:	JD173G-X03					
Temperature:	emperature: 25 °C Relative Humidi		55%					
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ						
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT20) Mode 2412	MHz						
Remark:	No report for the emissic prescribed limit.	on which more than 10 dl	3 below the					
110.0 dP.4//m	1100 P.W.							



No.	N	۱k.	Freq.	_		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	-	4823.736	29.24	13.56	42.80	54.00	-11.20	AVG
2		•	4823.992	42.95	13.56	56.51	74.00	-17.49	peak



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Digital photo frame	Model:	JD173G-X03				
25 ℃	55%					
AC 120V/60HZ						
/ertical						
TX N(HT20) Mode 2412MF	l z	A VIII				
No report for the emission which more than 10 dB below the						
	25 °C AC 120V/60HZ /ertical TX N(HT20) Mode 2412MF	Relative Humidity: AC 120V/60HZ Vertical TX N(HT20) Mode 2412MHz No report for the emission which more than 10 dB				



No.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.614	46.37	13.56	59.93	74.00	-14.07	peak
2	*	4823.842	36.89	13.56	50.45	54.00	-3.55	AVG



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Digital photo frame	Model:	JD173G-X03
25 ℃	Relative Humidity:	55%
AC 120V/60HZ	31 - 6	
Horizontal		
TX N(HT20) Mode 2437MI	Hz	THE PARTY OF THE P
No report for the emission	which more than 10 dE	B below the
prescribed limit.		
	25 °C AC 120V/60HZ Horizontal TX N(HT20) Mode 2437Ml No report for the emission	25 °C Relative Humidity: AC 120V/60HZ Horizontal TX N(HT20) Mode 2437MHz 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	*	4873.000	28.75	13.86	42.61	54.00	-11.39	AVG
2		4873.312	42.97	13.86	56.83	74.00	-17.17	peak



Page: 38 of 76

EUT:	Digital photo frame	Model:	JD173G-X03
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		Will a
Ant. Pol.	Vertical		
Test Mode:	TX N(HT20) Mode 243	7MHz	A THURSDAY
Remark:	No report for the emissi	on which more than 10 dl	3 below the
	prescribed limit.	الله مر الله	
1			



No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.000			42.67	54.00	-11.33	AVG
2		4874.422	42.93	13.86	56.79	74.00	-17.21	peak



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EUT:	Digital photo frame	Model:	JD173G-X03
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ	100	1133
Ant. Pol.	Horizontal	O	
Test Mode:	TX N(HT20) Mode 2462MH	z	2
Remark:	No report for the emission v	which more than 10 dB	below the
	prescribed limit.		

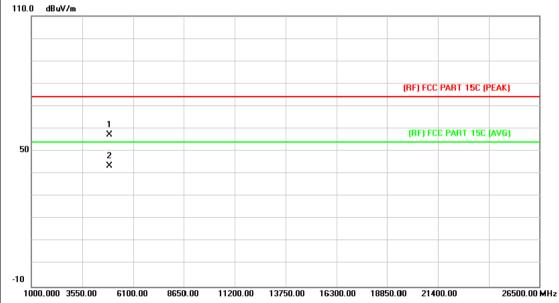


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.642	42.92	14.15	57.07	74.00	-16.93	peak
2	*	4924.052	29.40	14.15	43.55	54.00	-10.45	AVG



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EUT:	Digital photo frame	Model:	JD173G-X03
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		1133
Ant. Pol.	Vertical		
Test Mode:	TX N(HT20) Mode 2462MH	z milipe	a William
Remark:	No report for the emission w	hich more than 10 dB	below the
	prescribed limit.		
i			



No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.696	43.16	14.15	57.31	74.00	-16.69	peak
2	*	4924.052	29.44	14.15	43.59	54.00	-10.41	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)

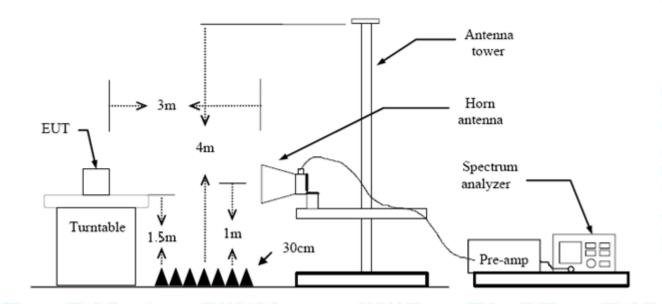
FCC Part 15.209

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

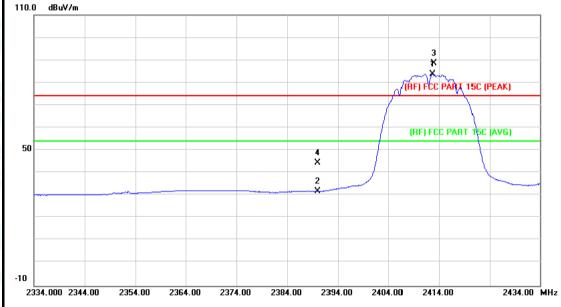
Please see the next page.



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(1) Radiation Test

diation lest	DIMILE TO THE REAL PROPERTY OF THE PERTY OF		
EUT:	Digital photo frame	Model:	JD173G-X03
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ	U. P. C.	
Ant. Pol.	Horizontal		A THURSDAY
Test Mode:	TX B Mode 2412MHz		10
Remark:	N/A		
110.0 dBuV/m			
		3	
		, , , , , , , , , , , , , , , , , , ,	



No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2412.700	82.83	0.86	83.69	Fundamental I	Frequency	AVG
2		2390.000	31.09	0.77	31.86	54.00	-22.14	AVG
3	X	2413.000	87.59	0.86	88.45	Fundamental I	Frequency	peak
4		2390.000	43.61	0.77	44.38	74.00	-29.62	peak



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EUI	ī:		Digit	tal photo fra	ame	Model:		JD173G-X	03
Tem	peratu	re:	25 °	C	197	Relative Hu	ımidity:	55%	N. Parke
Tes	t Volta	ge:	AC 1	AC 120V/60HZ				1:33	
Ant	. Pol.		Verti	ical	A LINE				
Tes	t Mode	:	TX E	3 Mode 241	2MHz			a W	
Ren	nark:		N/A	Barre		1		13	_ (
110.0	0 dBuV/π	1							
								3	
								γ ×	
							(RF) FEC	PART 45C (PEAK)	
							(RF) FCC	PART 15C AVG	1
50						4 *			
						2			
						×			
-10									
	330.000 23	40.00 2	2350.00	2360.00 2	370.00 2380.0	00 2390.00 2	400.00 2410	.00 24	130.00 MHz
				Reading	Correct	Measure-			
Ν	o. Mk	. Fre	eq.	Level	Factor	ment	Limit	Over	
		MH	z	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detecto
1	*	2412.	700	79.97	0.86	80.83	Fundamenta	I Frequency	AVG
2		2390.	000	28.84	0.77	29.61	54.00	-24.39	AVG
_				04.67	0.86	85.53	F		peak
3	X	2413.	300	84.67	0.00	05.55	Fundamenta	II Frequency	peak



2483.500

48.25

Emission Level= Read Level+ Correct Factor

1.17

49.42

74.00

-24.58

peak

Report No.: TB-FCC155734

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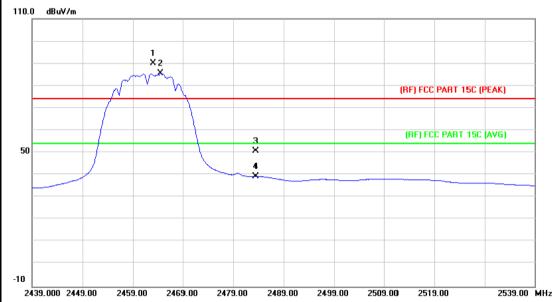
EUT:			Digit	al phot	to frar	me	N	Mode	el:		JD173G-X03			
Tem	peratu	re:	25 °	C	TIT	30	F	Relat	ive Hur	nidity:	55%	6		
Tes	t Voltaç	je:	AC 1	20V/6	0HZ		1			(61	W	33		h.
Ant	. Pol.		Horiz	zontal		113						at .		
Tes	t Mode	:	TX E	Mode	2462	2MHz		6	1110		A	11/1		
Ren	nark:		N/A	RR	No.	1		/		6.00				
110.0) dBuV/m													
			3 1 X											
		ربي (~\\~	1										
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		N						(RF) FCC	PART 1	15C (PEAK)		
50						4 ×				(RF) FC	C PART	15C (AVG)		
	June Halley Harrison Land	1				2								
	Action Applied in the					×								
-10														
24	41.000 249	51.00 2	461.00	2471.00	248	1.00 249	1.00	2501	.00 251	1.00 252	1.00	25	41.00	мн
				Read	ding	Corre	ct	Mea	asure-					
N	o. Mk.	. Fre	eq.	Lev	/el	Facto	or	m	ent	Limit	C	Over		
		MH	z	dBı	υV	dB/m		dB	uV/m	dBuV/r	n	dB	Dete	ect
1	*	2461.	100	84.	43	1.06		8	5.49	Fundame	ntal Fre	equency	Α	VC
2		2483.	500	37.	01	1.17		38	8.18	54.00) -	15.82	Α	۷e
3	Х	2462.	900	89.	05	1.08		9(0.13	Fundame	ntal Fre	equency	ре	eal

TB-RF-074-1. 0



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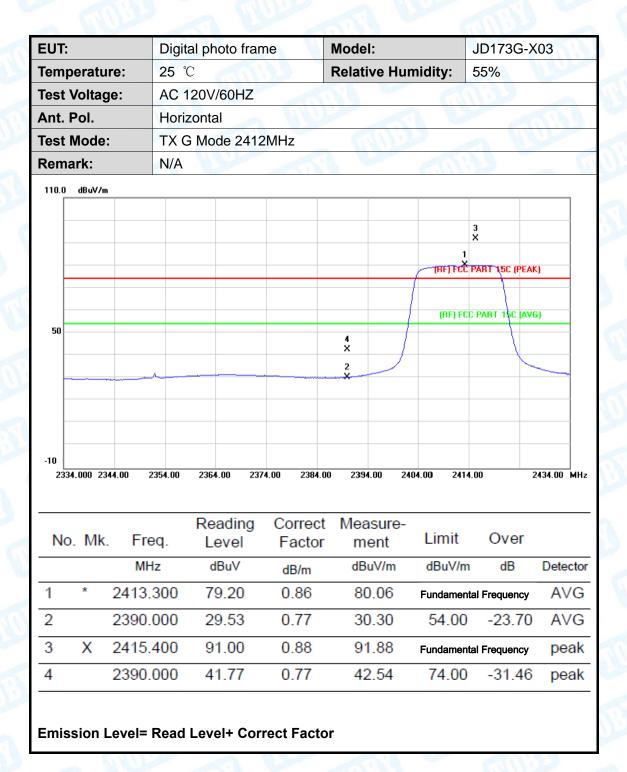
EUT:	Digital photo frame	Model:	JD173G-X03
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2462MHz		
Remark:	N/A		



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2463.000	88.97	1.08	90.05	Fundamental	Frequency	peak
2	*	2464.600	84.37	1.09	85.46	Fundamental	Frequency	AVG
3		2483.500	49.52	1.17	50.69	74.00	-23.31	peak
4		2483.500	38.18	1.17	39.35	54.00	-14.65	AVG



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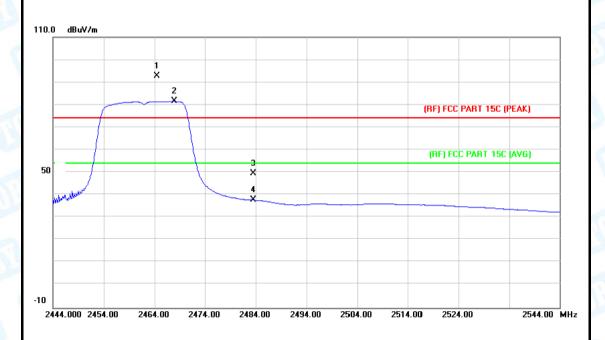
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:		Digit	al photo	fram	е	Мо	del:	JD173G-X03			
perat	ure:	25 °	C		13	Rel	ative H	umidity:	55%	A BOOK	
Volta	ge:	AC 1	20V/60	HZ		Tim.		611	11370		
Pol.		Verti	cal		1111	1	1	J W			
Mode) :	TX	6 Mode	2412	MHz	_ <			a 1		
nark:		N/A	18		1				19		
dBuV/	m										
								3 *			
							1 (RELECTION OF A PLANT)				
								()	1,000	,	
								(BF) FCC	PART 15C (A)	ve)	
								1			
						×	/		$\overline{}$		
		_^		_		2 X				-	
33.000 2	343.00	2353.00	2363.00	2373.	.00 2383	.00 239	3.00 24	03.00 2413.	00	2433.00 MH	
			Readi	ng	Correc	t Me	asure-				
o. Mk	. Fre	eq.	Leve	el	Facto	r m	ent	Limit	Over		
	MH	łz	dBu\	/	dB/m	dE	BuV/m	dBuV/m	dB	Detecto	
*	2413.	600	77.5	2	0.86	7	8.38	Fundamenta	l Frequency	AVG	
	2390.	000	29.2	1	0.77	2	9.98	54.00	-24.02	2 AVG	
X	2413.	200	89.3	1	0.86	9	0.17	Fundament	al Frequency	peak	
	2390.		41.1	4	0.77		1.91	74.00	-32.09	9 peak	
	Yolta Pol. Modenark: dBuV//	perature: : Voltage: : Pol. : Mode: hark: dBuV/m 33.000 2343.00 b. Mk. Fre Mh * 2413.	perature: 25 % Voltage: AC 1 Pol. Verti Mode: TX 0 nark: N/A dBuv/m 2353.000 2343.00 2353.00 D. Mk. Freq. MHz * 2413.600 2390.000	perature: 25 °C Voltage: AC 120V/60 Pol. Vertical TX G Mode N/A dBuV/m 33.000 2343.00 2353.00 2363.00 Readi D. Mk. Freq. Leve MHz dBuV * 2413.600 77.5 2390.000 29.2	perature: 25 °C Voltage: AC 120V/60HZ Pol. Vertical TX G Mode 2412 N/A dBuV/m Reading D. Mk. Freq. Level MHz dBuV * 2413.600 77.52 2390.000 29.21	Pol. Vertical TX G Mode 2412MHz N/A	Pol. Vertical	### Perature: 25 °C Relative H 25 °C Relative	### Perature: 25 °C Relative Humidity: 25 °C	Pol. Vertical TX G Mode 2412MHz N/A	



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EUT:	Digital photo frame	Model:	JD173G-X03
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		133 _ 07



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2464.500	91.81	1.08	92.89	Fundamental	Frequency	peak
2	*	2467.900	80.41	1.10	81.51	Fundamental	Frequency	AVG
3		2483.500	48.40	1.17	49.57	74.00	-24.43	peak
4		2483.500	36.57	1.17	37.74	54.00	-16.26	AVG



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EUT:			Dig	ital ph	oto fra	ame		I	Mod	el:				JD173G-X03			10
Гет	peratu	re:	25	$^{\circ}$ C	ETT.	WAL.		I	Rela	tive	Hu	midi	ity:	55%	1	130	
Test	Volta	ge:	AC	120V	/60HZ		A					- 14	ÉW.	1133			
۹nt.	Pol.		Ver	tical			MI						163		A		
Test	Mode	:	TX	G Mo	de 24	62MH	z		1	11/		9		2			
Rem	nark:		N/A				1		A			6	111	13			I
110.0	dBuV/m																
				X 3													
				1 X	\												
		+			+							(RI	F) FCC	PART 15C	(PEAK)	-
50							I					(1	RF) FC	C PART 150	: [AVG)	-
							2										
ŀ								_							-		-
-10																	
24	39.000 24	49.00	2459.00	2469	.00 2	2479.00	2489.	00	2499	.00	250	9.00	2519	.00	2	539.00	МН
				Do	a alisa a		orrect		100								
N	o. Mk	. Fi	req.		ading evel		actor			sure ent) -	Lin	nit	Ove	er		
			lHz		BuV		B/m			uV/m		dBu	ıV/m	dB		Dete	cto
1	*	2468	3.300	8	1.62		.11		82	2.73		Fund	amen+	al Frequei	201	A۷	/G
2			3.500		3.33		.17			.50			.00	-14.		A۷	
3	X		7.900		2.95		.10			.05				al Fregue		pe	
4			3.500		1.00		.17			2.17			.00	-21.		pe	
_		2400	7.000		1.00		.17		52	17		14	.00	۷۱.	00	pe	ar



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EUT:			Digit	al photo fra	ıme	Mod	lel:		JD173G-X03		
empe	eratu	re:	25 °C	C	190	Rela	tive H	umidity:	55%	ABO	
est V	oltag	je:	AC 1	20V/60HZ		D'ST		Gu	1139		
nt. P	ol.		Horiz	zontal	a little	line and		1 6			
est N	lode	:	TXN	I(HT20) Mo	de 2412M	Hz	1110		J W	Mr.	
ema	rk:		N/A	Alle	1				331		1
110.0	dBuV/n	1									
											ļ
									3 X		
									1 PART 15C (PE		
								(HF) FCC	PART 15C (PE	AKJ	ļ
								/ (05) 50			
50						4		(HF) FC	C PART 150 (A	vGJ	ł
						x					
						2 X					
											ļ
											ļ
-10											
2333.	.000 23	343.00	2353.00	2363.00 2	373.00 2383	3.00 239	3.00 24	103.00 2413	3.00	2433.00	м
No.	Mk.	Fr	eq.	Reading Level	Correc Facto		sure- ent	Limit	Over		
		М	Hz	dBuV	dB/m	dB	uV/m	dBuV/m	dB	Detec	:te
1	*	2414	.300	78.71	0.88	79	9.59	Fundamen	tal Frequency	AV	C
2		2390	.000	31.18	0.77	31	.95	54.00	-22.05	AV	(
3	Х	2414	.600	89.69	0.88	90).57	Fundamenta	al Frequency	pea	al
4		2390	.000	43.78	0.77	44	1.55	74.00	-29.45	pea	aŀ
3	X	2414	.600	89.69	0.88	90).57	Fundamenta	al Frequency		pea



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EUT:			Digit	al photo f	rame	Mode	el:		JD173G-X03			
Tem	perat	ure:	25 °	C	CEL	Relat	tive Hui	midity:	55%	Bire		
Test	Volta	ige:	AC 1	120V/60H	Z	100		60	4133			
Ant.	Pol.		Verti	cal	a W	1	1	A B				
Гest	Mode	e :	TXN	N(HT20) N	Mode 2412	MHz	MID		~ W	A STATE OF THE PARTY OF THE PAR		
Rem	ark:		N/A	ABO		516			35			
110.0	dBuV/i	m										
									3 X			
								(BELECC)	1 Part 15 C (Peak)			
-								(1117100	TAIT TO (I EAR)			
								(BF) FC	C PART 150 (AVG)			
50						4		(117)				
-						X 2	<i> </i>					
-						×						
-												
-												
-10 233	3.000 2	343.00	2353.00	2363.00	2373.00 23	83.00 239	3.00 240	03.00 2413	3.00 24	33.00 MH:		
				Readin	g Corre	ect Mea	asure-					
No	. Mk	. Fre	eq.	Level	Fact	or m	ent	Limit	Over			
		MH	Ηz	dBuV	dB/m	dE	BuV/m	dBuV/n	n dB	Detect		
1	*	2413.	.400	77.77	0.86	7	8.63	Fundame	ntal Frequency	AVC		
2		2390.	.000	31.18	0.77	3	1.95	54.00	-22.05	AVC		
_	X	2414.	.000	89.10	0.87	8	9.97	Fundame	ntal Frequency	peal		
								74.00	20.40			
3		2390.	.000	42.83	0.77	4	3.60	74.00	-30.40	pea		



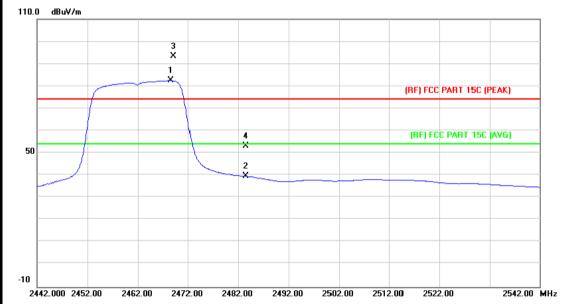
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EUT:			Digi	tal pl	noto f	rame	1.17	Mod		JD173G-X03					
Ten	perati	ıre:	25 °	$^{\circ}$ C	CIL	CER		Rela	tive H	umid	ity:	55%		134	P
Tes	t Volta	ge:	AC ·	120V	//60H	Z		118			EW)	1133)		
Ant	. Pol.		Hori	zont	al	a 1	100		1		Vi.				
Tes	t Mode):	1XT	V(HT	20) N	1ode 246	2MHz	z 💮	11/12			0	47		
Ren	nark:		N/A	1			31	1			111	10			Ţ
110.0	dBuV/n	1													
				X 3											
				1 X											
				\rightarrow						(R	F) FCC	PART 15C	(PEAK)	1	
50					\	4 ×				(1	RF) FC	PART 15	C (AVG)	
00	/	/				2									
						×				-					
-10															
24	42.000 24	52.00 2	2462.00	2472	2.00	2482.00	2492.00	2502	.00 25	12.00	2522	.00	25	542.00	мНа
				Re	adin	g Cori	rect	Mea	sure-						
N	o. Mk	. Fre	eq.	L	evel	Fac	ctor	me	ent	Lin	nit	Ov	er		
		MH	z	d	BuV	dB/	m	dBı	υV/m	dB	uV/m	dE	3	Dete	to
	*	2466.	900	8	0.41	1.1	0	81	.51		amenta	al Freque	ncy	A۷	G
1					6.73	1.1			.90		.00	-16		AV	
		2483	500	- 41		1.1	1	51	.00	54	.00	-10	. 10	^ ^	J
2		2483.							40	_			_		
1 2 3	Х	2483. 2467.			1.38	1.1	0	92	.48	Funda	amenta	al Freque	ncy	pe	ak



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EUT:	Digital photo frame	Model:	JD173G-X03
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		1133
Ant. Pol.	Vertical		
Test Mode:	TX N(HT20) Mode 2462N	IHz	THE PARTY OF THE P
Remark:	N/A		T _ CE:



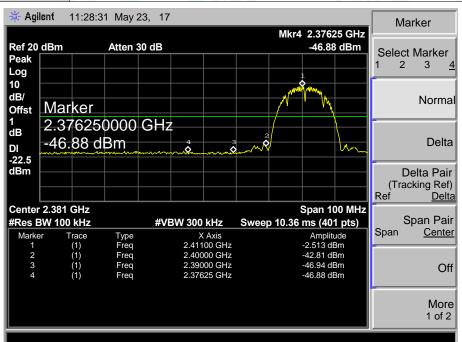
No.	. Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2468.600	81.33	1.11	82.44	Fundamental I	Frequency	AVG
2		2483.500	38.40	1.17	39.57	54.00	-14.43	AVG
3	Χ	2469.100	92.25	1.11	93.36	Fundamental I	Frequency	peak
4		2483.500	51.85	1.17	53.02	74.00	-20.98	peak

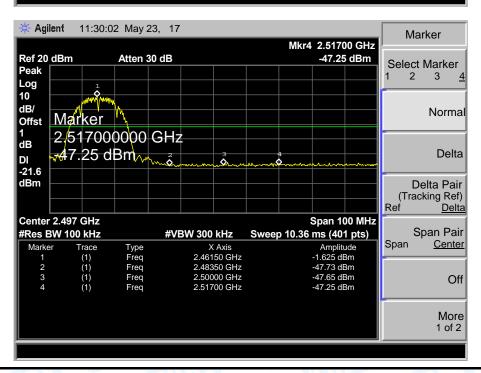


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(2) Conducted Test

EUT:	Digital photo frame	Model:	JD173G-X03	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60HZ			
Test Mode:	TX B Mode 2412MHz / TX B Mode 2462MHz			
Remark:	The EUT is programed in continuously transmitting mode			

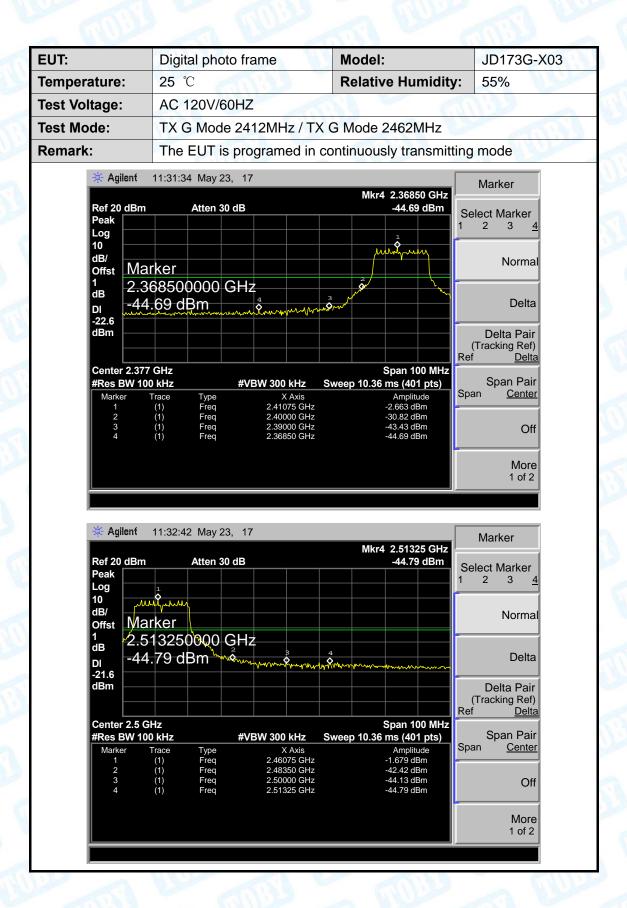








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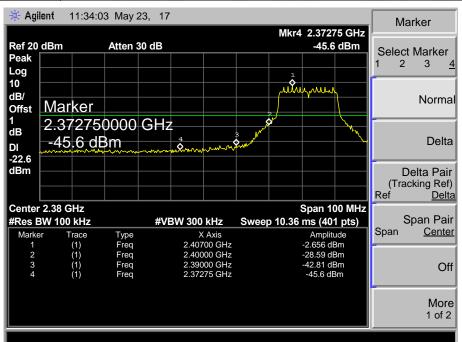


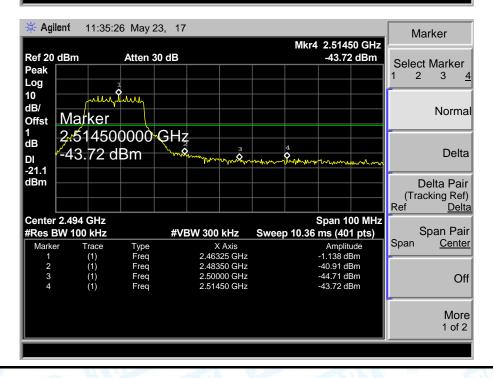




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EUT:	Digital photo frame	Model:	JD173G-X03		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60HZ				
Test Mode:	TX N(HT20) Mode 2412MHz / TX N(HT20) Mode 2462MHz				
Remark:	The EUT is programed in continuously transmitting mode				
* Agilent	11:34:03 May 23. 17				







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7. Bandwidth Test

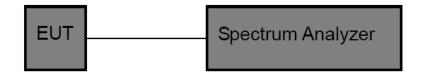
7.1 Test Standard and Limit

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

7.1.2 Test Limit

FCC P	FCC Part 15 Subpart C(15.247)/RSS-210				
Test Item	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.



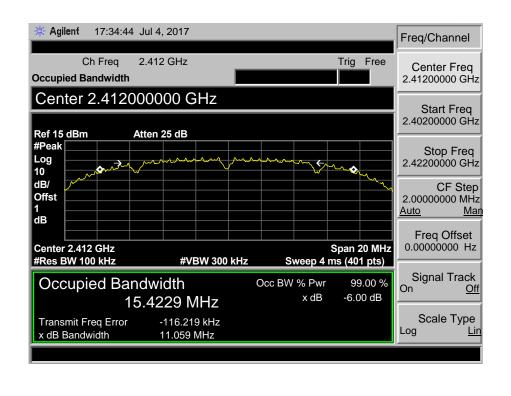
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7.5 Test Data

EUT:	Digital photo frame	Model:	JD173G-X03	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60HZ		Call 32	
Test Mode:	TX 802.11B Mode			
Channel frequence	ey 6dB Bandwidth 99% Bandwidth Lin		Limit	
(MHz)	(MHz)	(MHz)	(MHz)	
2412	11.059	15.4229		
2437	10.156	15.3611 >=0		
2462 11.097		15.3606		

802.11B Mode

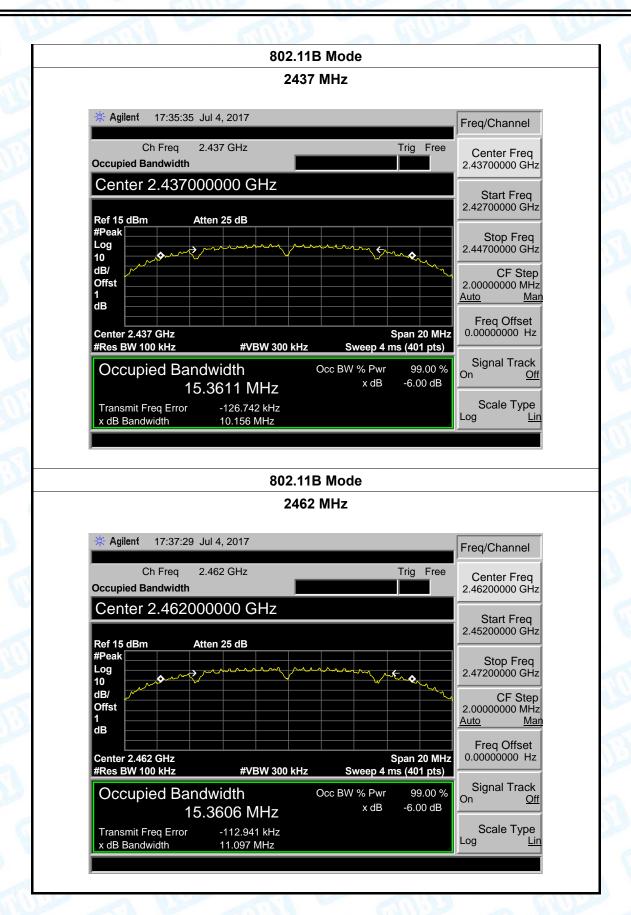
2412 MHz







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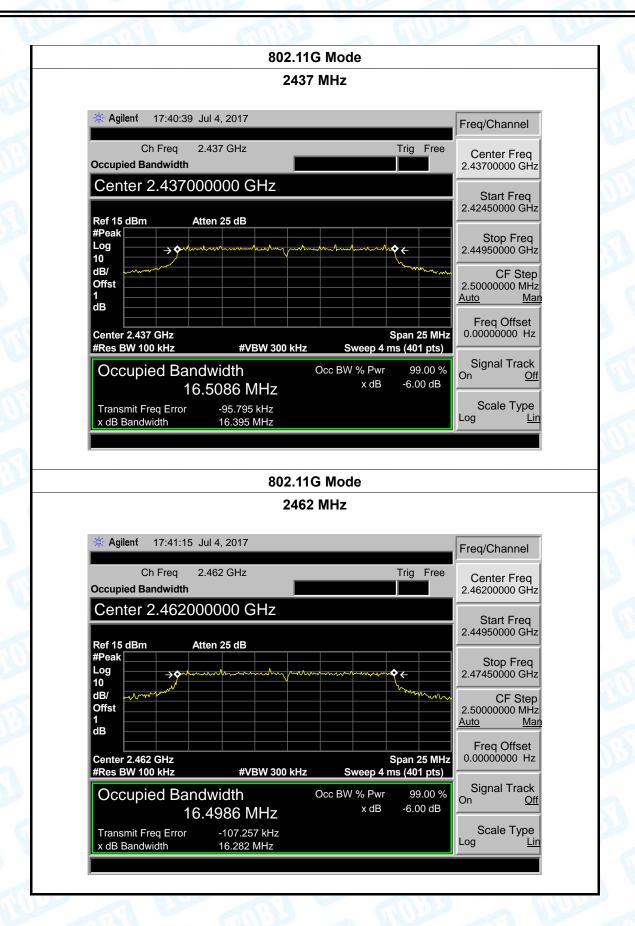
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JT:	Digital photo frame Model:		JD173G-X03
mperature:	25 °C Relative Humidit		55%
est Voltage:	AC 120V/60HZ	CITY CITY	1:33
est Mode:	TX 802.11G Mode	U	
nannel frequenc	nel frequency 6dB Bandwidth 99% Bandwidth		Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	16.401	16.5146	
2437	16.395	16.5086	>=0.5
2462	16.282	16.4986	
	802.110	Mode	
Ch	17:39:03 Jul 4, 2017 Freq 2.412 GHz	Trig Free	eq/Channel Center Freq
Occupied Bar Center 2	Freq 2.412 GHz indwidth412000000 GHz	Trig Free (2.4	
Center 2 Ref 15 dBm #Peak Log 10	Freq 2.412 GHz	Trig Free 2.4	Center Freq 41200000 GHz Start Freq 39950000 GHz Stop Freq 42450000 GHz
Center 2 Ref 15 dBm #Peak Log	2.412 GHz adwidth 2.412000000 GHz Atten 25 dB	Trig Free 2.4	Center Freq 41200000 GHz Start Freq 39950000 GHz Stop Freq 42450000 GHz CF Step 500000000 MHz
Center 2 Ref 15 dBm #Peak Log 10 dB/ Offst 1	Atten 25 dB GHz	Trig Free 2.4	Center Freq 41200000 GHz Start Freq 39950000 GHz Stop Freq 42450000 GHz CF Step 500000000 MHz
Center 2 Ref 15 dBm #Peak Log 10 dB/ Offst 1 dB Center 2.412 #Res BW 100	Atten 25 dB GHz GHz #VBW 300 kHz	Trig Free 2.4 2.3 2.4 2.5 Span 25 MHz Sweep 4 ms (401 pts)	Center Freq 41200000 GHz Start Freq 39950000 GHz Stop Freq 42450000 GHz CF Step 50000000 MHz to Man Freq Offset 00000000 Hz Signal Track



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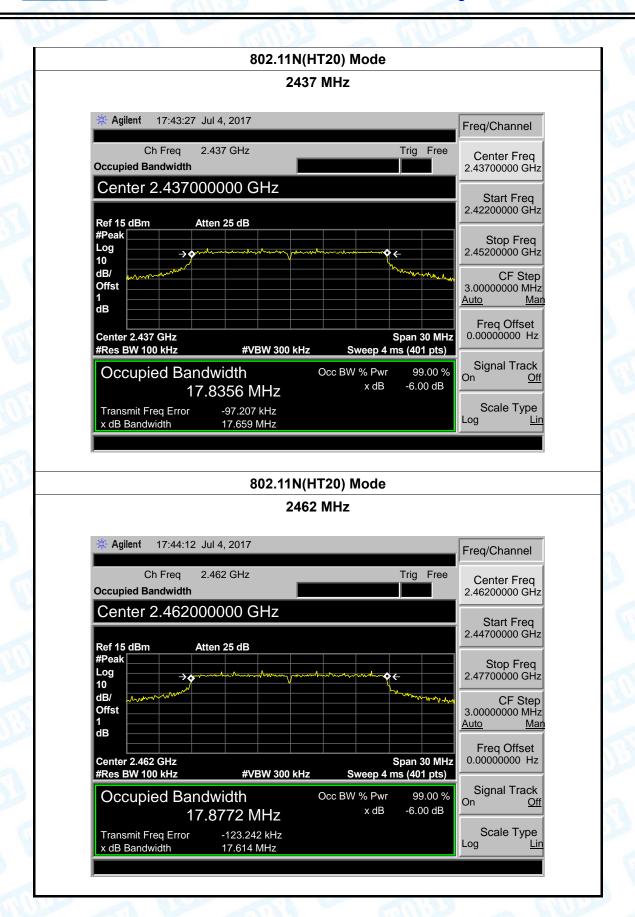


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UT:	Digital photo frame Model:		JD173G-X03
emperature:	25 ℃	Relative Humidity:	55%
est Voltage:	AC 120V/60HZ		1:39
est Mode:	TX 802.11N(HT20) Mode		
hannel frequen	cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	17.330	17.8329	
2437	17.659	17.8356	>=0.5
2462	17.614	17.8772	
	802.11N(H	T20) Mode	
	2412	MHz	
* Agilent	17:42:03 Jul 4, 2017 h Frea 2.412 GHz	Trig Free	eq/Channel
Cocupied Ba	h Freq 2.412 GHz	Trig Free	eq/Channel Center Freq 41200000 GHz
Occupied Ba	2.412000000 GHz	Trig Free 2.4	Center Freq
Cocupied Ba	h Freq 2.412 GHz	Trig Free 2.4	Center Freq 41200000 GHz Start Freq
Center 2 Ref 15 dBm #Peak Log 10 dB/ Offst 1	2.412 GHz 2.412000000 GHz Atten 25 dB	Trig Free 2.4	Center Freq 41200000 GHz Start Freq 39700000 GHz Stop Freq 42700000 GHz CF Step 000000000 MHz
Center 2 Ref 15 dBm #Peak Log 10 dB/	2.412 GHz 2.412000000 GHz Atten 25 dB	2.3 2.3 4 4 4 2.4 3.0 Au	Center Freq 41200000 GHz Start Freq 39700000 GHz Stop Freq 42700000 GHz CF Step 000000000 MHz
Ref 15 dBm #Peak Log 10 dB/ Offst 1 dB Center 2.412 #Res BW 10	Atten 25 dB 2.412 GHz Atten 25 dB 4.612 GHz Atten 25 dB 4.612 GHz 6.612 #VBW 300 kHz	Trig Free 2.4 2.3 2.4 Span 30 MHz Sweep 4 ms (401 pts)	Center Freq 41200000 GHz Start Freq 39700000 GHz Stop Freq 42700000 GHz CF Step 00000000 MHz to Man Freq Offset 00000000 Hz Signal Track



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8. Peak Output Power Test

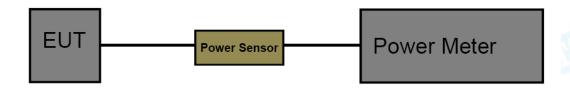
8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210					
Test Item Limit Frequency Range(MHz)					
Peak Output Power 1 Watt or 30 dBm 2400~2483.5					

8.2 Test Setup



8.3 Test Procedure

The measurement is according to section 9.1.2 of KDB 558074 D01 DTS Meas Guidance 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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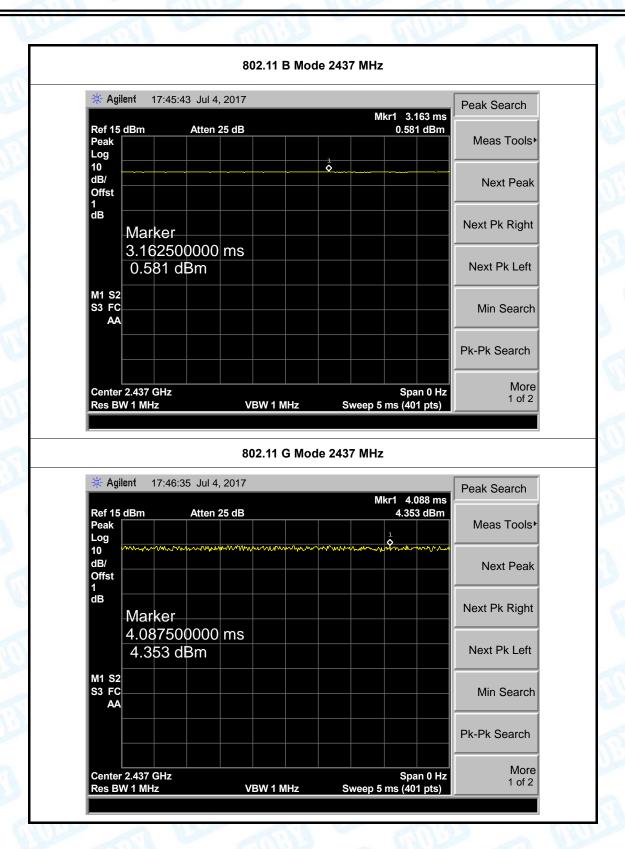
8.5 Test Data

EUT:	Digital photo frame	Model:		JD173G-X03
Temperature:	25 ℃	Relative Humidit		: 55%
Test Voltage:	AC 120V/60HZ	120		
Mode	Channel frequency (MHz)	Test Result (dBm)		Limit (dBm)
	2412		8.94	
802.11b	2437	8.52		
	2462	8.75		
	2412	8.43		
802.11g	2437		8.24	30
	2462		8.19	
000 44	2412		7.95	
802.11n	2437		7.89	
(HT20)	2462		7.76	
	Resi	ult: I	PASS	

Duty Cycle				
Mode	Channel frequency (MHz)	Test Result		
	2412			
802.11b	2437			
	2462			
	2412			
802.11g	2437	>98%		
	2462			
000 44	2412			
802.11n (⊔⊤20)	2437			
(HT20)	2462			

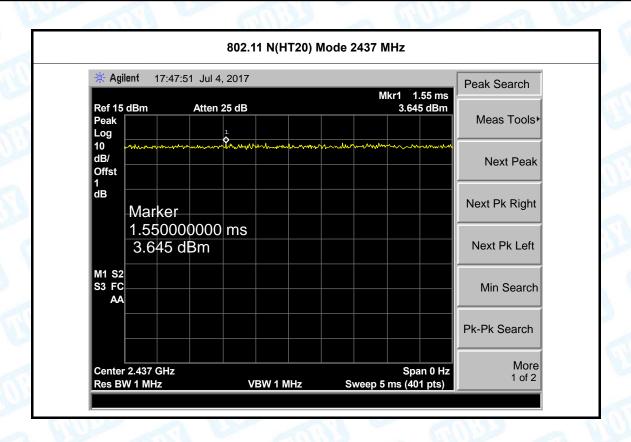


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9. Power Spectral Density Test

9.1 Test Standard and Limit

9.1.1 Test Standard FCC Part 15.247 (e)

9.1.2 Test Limit

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

9.2 Test Setup



9.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v04.

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

9.4 EUT Operating Condition

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



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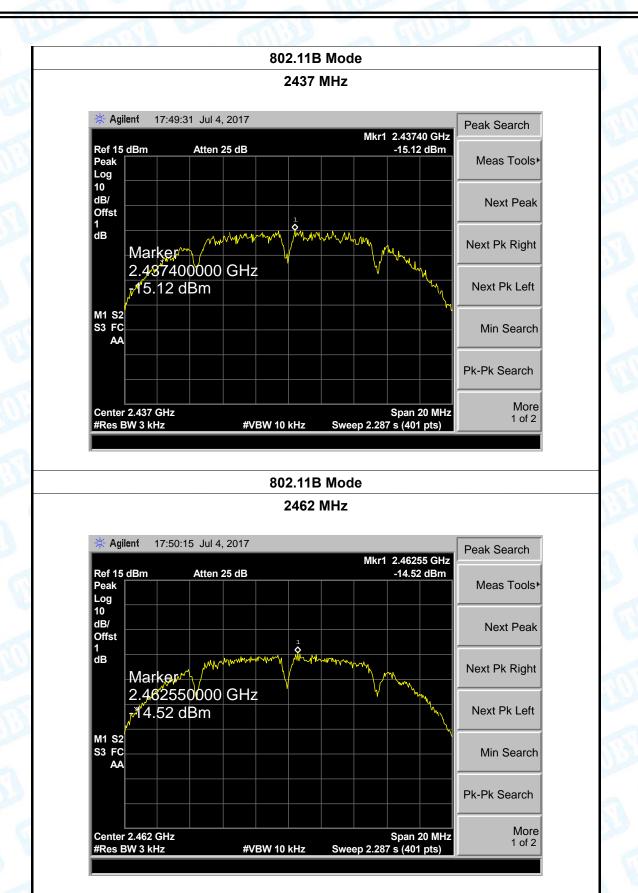
9.5 Test Data

25 °C AC 120V/€ TX 802.11	60HZ	Relative	Humidity:	55%
	60HZ			
TX 802 11			all a	600
	B Mode	A 1111		0 0
iency	Power	Density		Limit
	(dBm	/3 kHz)		(dBm)
	-1	5.24		
	-1	5.12		8
	-1	4.52		
,	802.11	B Mode	<u>.</u>	
	241	2 MHz		
17:48:52 Jul 4	, 2017			Peak Search
Atton	25 dD	Mkr		T can ocaron
Atten	25 UB		-15.24 UBIII	Meas Tools*
				Next Peak
41	wh. roll married line	MmMr. as h. a.		
rker /	 		my my	Next Pk Right
	GHz	Υ	" " " MA	Next Pk Left
.24 dBm			*** <u>\</u>	Next Pk Leit
				Min Search
				Will Ocarcii
				Pk-Pk Search
GHz			Span 20 MHz	More 1 of 2
	Atten	-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	Atten 25 dB rker 11250000 GHz 24 dBm	-15.24 -15.12 -14.52 802.11B Mode 2412 MHz 17:48:52 Jul 4, 2017 Mkr1 2.41125 GHz -15.24 dBm rker 1250000 GHz 24 dBm Span 20 MHz



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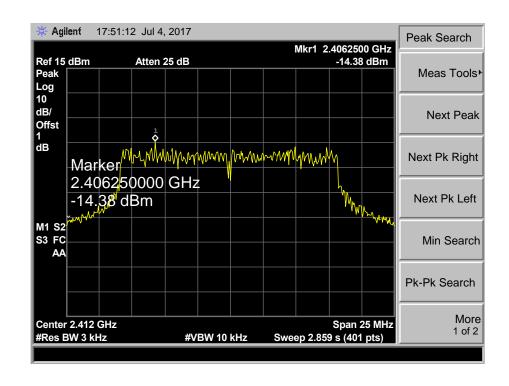




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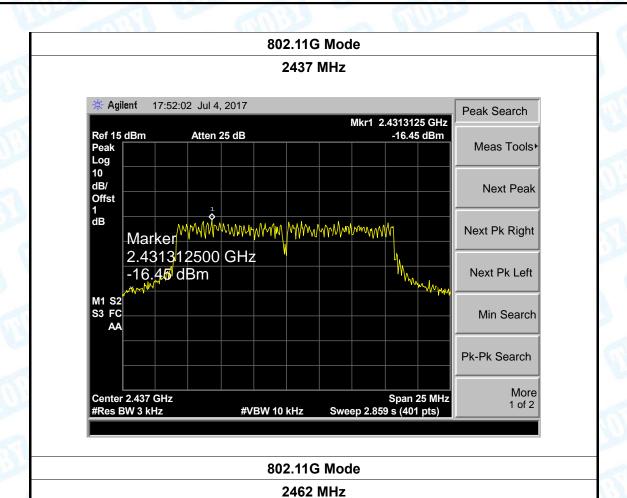
EUT:	Digital ph	oto frame	Model: JD173G-X	
Temperature:	25 ℃	Temperature:		25 ℃
Test Voltage:	AC 120V	60HZ		
Test Mode:	TX 802.1	1G Mode		
Channel Free	quency	Power D	ensity	Limit
(MHz)		(dBm/	3 kH)	(dBm)
2412		-14.	38	
2437		-16.	45	8
2462		-15.	1	
		802.11G	Mode	
2412 MHz				

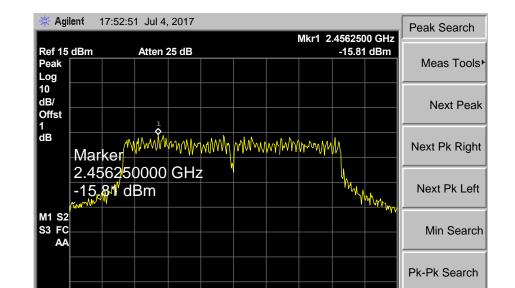
2412 MHz





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#VBW 10 kHz

Center 2.462 GHz #Res BW 3 kHz More

1 of 2

Span 25 MHz

Sweep 2.859 s (401 pts)



M1 S2 S3 FC AA

Center 2.412 GHz #Res BW 3 kHz

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Min Search

More

1 of 2

Pk-Pk Search

Span 30 MHz Sweep 3.431 s (401 pts)

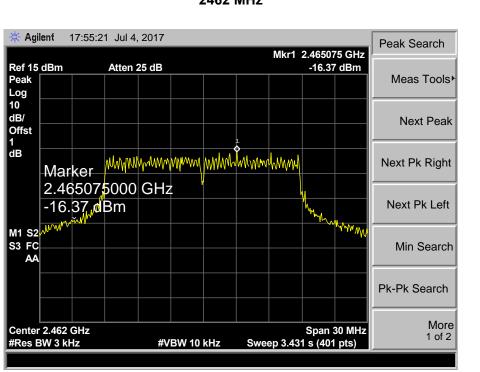
#VBW 10 kHz

EUT:	Digital photo frame		Model:		JD173G-X03
Temperature:	25 ℃	25 ℃		ıre:	25 ℃
Test Voltage:	AC 120V/	/60HZ			
Test Mode:	TX 802.11	IN(HT20) Mode			
Channel Fred	quency	Power Density		Limit	
(MHz)	(MHz) (dBm/3 kH)			(dBm)	
2412		-16	5.03		
2437		-17	7.64	8	
2462		-16	5.37		
		802.11N(H	T20) Mode		
		2412	MHz		
* Agilent	17:53:43 Jul 4	, 2017			Peak Search
Mkr1 2.409075				z	
		25 dB	-16.	03 dBm	
Ref 15 dBm Peak Log	Allen				Meas Tools▶
Peak	Atteri				Meas Tools* Next Peak
Peak Log 10 dB/ Offst 1 dB		Mpmhhming pmpi	NMmmmummy		



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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 0.5dBi, 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 FPC Antenna. It complies with the standard requirement.

	Antenna Type	
The state of the s	☑Permanent attached antenna	
a During	Unique connector antenna	000
	Professional installation antenna	0.000

----END OF REPORT----