

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC154439

1 of 91 Page:

FCC Radio Test Report FCC ID: 2AK4W-SPLIT

Original Grant

Report No. TB-FCC154439

RunCam Technology (Shenzhen) Co., Ltd. **Applicant**

Equipment Under Test (EUT)

EUT Name Camera

Model No. **SPLIT**

Series Model No. (Please see the Page 4)

Brand Name RunCam

Receipt Date 2017-06-13

2017-06-14 to 2017-06-28 **Test Date**

Issue Date 2017-06-29

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

Test Method ANSI C63.10: 2013

PASS Conclusions

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

The EUT technically complies with the FCC and IC requirements

Test/Witness Engineer

Approved&

Authorized

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

TB-RF-074-1.0

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1. General Information about EUT

1.1 Client Information

Applicant: RunCam Technology (Shenzhen) Co., Ltd.

Address : Room 16E, Building B, World Trade Plaza, 9 Fuhong Rd, Futian

District, Shenzhen, Guangdong, China

Manufacturer : RunCam Technology (Shenzhen) Co., Ltd.

Address : Room 16E, Building B, World Trade Plaza, 9 Fuhong Rd, Futian

District, Shenzhen, Guangdong, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	1	Camera		
Models No.		SPLIT-RD, SPLIT-RD- SPLIT-BL-WIFI, SPLIT represents 18-digit cha ranging from 0 to 9, A to different product mode sales regions, sales mo	LIT-BK-WIFI, SPLIT-OG, SPLIT-OG-WIFI, WIFI, SPLIT-OR, SPLIT-OR-WIFI, SPLIT-BL, T-BU, SPLIT-BU-WIFI, RC-SPLIT, SPLIT* (* aracters, and each character can be anything to Z, and symbols like "- " or "space" and ls. And * is targeted at different sales territories, ethods, varied client groups, different market int product colors, and won't affect the product metic compatibility)	
Model Difference	:	All these models are identical in the same PCB layout and electrical circuit, the only difference is model name for commercial.		
100		Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz	
		Number of Channel:	802.11b/g/n(HT20):11 channels see note(3) 802.11n(HT40):7 channels see note(3)	
Product	RF Output Power:		802.11b: 12.59dBm 802.11g: 10.41dBm 802.11n (HT20): 8.52dBm 802.11n (HT40): 7.78dBm	
Description	ė	Antenna Gain:	2dBi PCB Antenna	
		Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n: OFDM(BPSK,QPSK,16QAM, 64QAM)	
		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 by	y USB Cable.	
Power Rating		: DC 5V by Host System.		



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Connecting	Please refer to the User's Manual
I/O Port(S)	

Note:

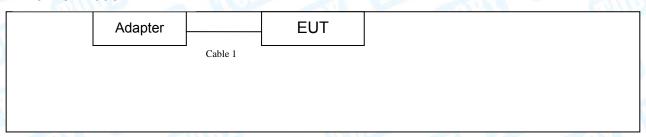
- (1) This Test Report is FCC Part 15.247 for 802.11b/g/n, the test procedure follows the FCC KDB 558074 D01 DTS Meas Guidance v04.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (3) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	80	2447		
Note: CH 01~CH 11 for 802.11b/g/n(HT20), CH 03~CH 09 for 802.11n(HT40)					

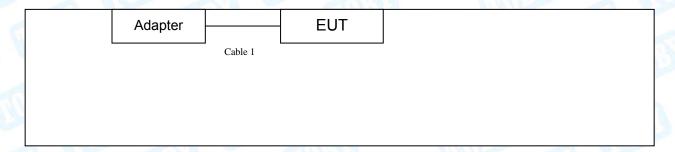
(4) The Antenna information about the equipment is provided by the applicant.

1.3 Block Diagram Showing the Configuration of System Tested

Normal Mode



TX Mode





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1.4 Description of Support Units

Equipment Information						
Name Model S/N Manufacturer Used "√"						
AC/DC Adapter A16-502000 AOHAI √				√		
AC/DC AdapterInpu	ut:AC100-240V 50/60H	z 0.5A Output:5V	//2A			
	С	able Information	1			
Number Shielded Type Ferrite Core Length Note						
Cable 1	NO	NO	0.3 M	0.000		

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	Normal Mode with TX B Mode			

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

Note:

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

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

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

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

(2) During the testing procedure, the continuously transmitting with the maximum power



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mode was programmed by the customer.

(3) The EUT is considered a portable unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.

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	The state of the s	X Shell 5.exe	
Channel	CH 01	CH 06	CH 11
IEEE 802.11b DSSS	DEF	DEF	DEF
IEEE 802.11g OFDM	DEF	DEF	DEF
IEEE 802.11n (HT20)	DEF	DEF	DEF
Channel	CH 03	CH 06	CH 09
IEEE 802.11n (HT40)	DEF	DEF	DEF

1.7 Measurement Uncertainty

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

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



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1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

FCC List No.: (811562)

The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number is 811562.

IC Registration No.: (11950A-1)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.



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2. Test Summary

	FCC Part	t 15 Subpart C(15.247)/ RSS 247	Issue 1	
Standa	rd Section	Test Item	ludamant	Damark
FCC	IC	rest item	Judgment	Remark
15.203	1	Antenna Requirement	PASS	N/A
15.207	RSS-GEN 7.2.4	Conducted Emission	PASS	N/A
15.205	RSS-GEN 7.2.2	Restricted Bands	PASS	N/A
15.247(a)(2)	RSS 247	6dB Bandwidth	PASS	N/A
15.247 (4)(2)	5.2 (1)	CGD Banawiati		
15.247(b)	RSS 247	Peak Output Power	PASS	N/A
13.247(0)	5.4 (4)	Feak Output Fower		
15 047(a)	RSS 247	Dower Chartral Daneity	DACC	N/A
15.247(e)	5.2 (2)	Power Spectral Density	PASS	
15 047(d)	RSS 247	Dond Edge	DACC	NI/A
15.247(d)	5.5	Band Edge	PASS	N/A
15.247(d)&	RSS 247	Transmitter Radiated Spurious	DACC	N/A
15.209	5.5	Emission	PASS	

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

N/A is an abbreviation for Not Applicable.



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3. Test Equipment

Conducte	d Emission Te	st			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 22, 2016	Jul. 21, 2017
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 22, 2016	Jul. 21, 2017
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 22, 2016	Jul. 21, 2017
LISN	Rohde & Schwarz	ENV216	101131	Jul. 22, 2016	Jul. 21, 2017
Radiation	Emission Tes	t			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 22, 2016	Jul. 21, 2017
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 22, 2016	Jul. 21, 2017
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar.25, 2017	Mar. 24, 201
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar.25, 2017	Mar. 24, 201
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.24, 2017	Mar. 23, 201
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar.24, 2017	Mar. 23, 201
Loop Antenna	Laplace instrument	RF300	0701	Mar.24, 2017	Mar. 23, 201
Pre-amplifier	Sonoma	310N	185903	Mar.25, 2017	Mar. 24, 201
Pre-amplifier	HP	8449B	3008A00849	Mar.24, 2017	Mar. 23, 201
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar.25, 2017	Mar. 24, 201
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	100010/007	Jul. 22, 2016	Jul. 21, 2017
Power Meter	Anritsu	ML2495A	25406005	Jul. 22, 2016	Jul. 21, 2017
Power Sensor	Anritsu	ML2411B	25406005	Jul. 22, 2016	Jul. 21, 2017



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4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

4.1.2 Test Limit

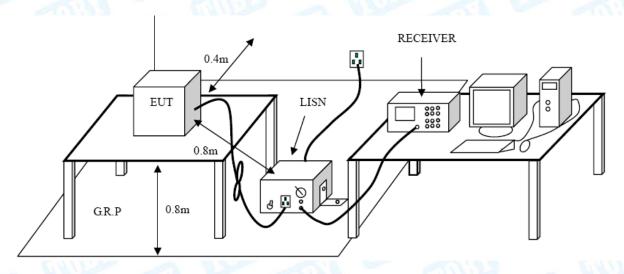
Conducted Emission Test Limit

THE PROPERTY OF THE PARTY OF TH	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:	Camera	а		Model Name	:	SPLIT	
Temperature:	25 ℃	CILI	130	Relative Hun	nidity:	55%	A STATE
Test Voltage:	AC 120)V/60Hz		W. P.	6	THUS	
Terminal:	Line		a W	J. San Jan San San Jan			
Test Mode:	Normal	I with TX	B Mode		10.50		The same
Remark:	Only w	orse case	e is reporte	d	6.11	1:13	
80.0 dBuV						QP:	
						AVI	
40	X	x x	×				
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0.0	m~m\\\	MM	~\\\\	√ ^ √√√∨∨∨	VVVVVV	Manmanda	pe
0.0	0.5	/\\	(MHz)	5	VVVVVV	Myramannia	pe
		eading	(MHz)	√√√√√√√√√ 5 Measure-		Myrramanta	A\
0.150	R	eading Level				www	A\
0.150 No. Mk. F	R		Correct	Measure-	-	Myrrmanha	A\
0.150 No. Mk. F	R req. [Level	Correct Factor	Measure- ment	Limit	Over	30.000
No. Mk. F No. 1 * 0.5	R req. [dBuV	Correct Factor	Measure- ment dBuV	Limit dBuV 56.00	Over dB	30.000
0.150 No. Mk. F No. Mk. T No. Mk. T No. 1 * 0.5 No. 5	R req. I MHz 5060 2	dBuV 21.69	Correct Factor dB 10.02	Measure- ment dBuV 31.71	Limit dBuV 56.00 46.00	Over dB -24.29	30.000 Detector QP
0.150 No. Mk. F No. 1 * 0.5 2 0.5 3 0.6	Req. [dBuV 21.69 6.35	Correct Factor dB 10.02	Measure- ment dBuV 31.71 16.37	Limit dBuV 56.00 46.00 56.00	Over dB -24.29 -29.63	30.000 Detector QP AVG
0.150 No. Mk. F 1 * 0.5 2 0.5 3 0.6 4 0.6	R req. I MHz 5060 2 5060 5740	dBuV 21.69 6.35	Correct Factor dB 10.02 10.02	Measure- ment dBuV 31.71 16.37 26.62	Limit dBuV 56.00 46.00 56.00 46.00	Over dB -24.29 -29.63 -29.38	Detector QP AVG QP
0.150 No. Mk. F 1 * 0.5 2 0.5 3 0.6 4 0.6 5 0.9	R req. I MHz 5060 2 5060 5740	Level dBuV 21.69 6.35 16.51 4.73	Correct Factor dB 10.02 10.02 10.11	Measure- ment dBuV 31.71 16.37 26.62 14.84	Limit dBuV 56.00 46.00 56.00 46.00 56.00	Over dB -24.29 -29.63 -29.38 -31.16	Detector QP AVG QP AVG
0.150 No. Mk. F 1 * 0.5 2 0.5 3 0.6 4 0.6 5 0.9 6 0.9	R req. I MHz 5060 2 5060 5740 5740 5780	Level dBuV 21.69 6.35 16.51 4.73 12.46	Correct Factor dB 10.02 10.02 10.11 10.11	Measure- ment dBuV 31.71 16.37 26.62 14.84 22.52	Limit dBuV 56.00 46.00 56.00 46.00 46.00 46.00	Over dB -24.29 -29.63 -29.38 -31.16 -33.48	Detector QP AVG QP AVG QP
0.150 No. Mk. F 1 * 0.5 2 0.5 3 0.6 4 0.6 5 0.9 6 0.9 7 1.1	Rreq. R 10Hz 5060 2 5060 5740 5740 5780 5780	Level dBuV 21.69 6.35 16.51 4.73 12.46 0.25 11.14	Correct Factor dB 10.02 10.02 10.11 10.11 10.06 10.06	Measure- ment dBuV 31.71 16.37 26.62 14.84 22.52 10.31	Limit dBuV 56.00 46.00 56.00 46.00 56.00 46.00 56.00	Over dB -24.29 -29.63 -29.38 -31.16 -33.48 -35.69 -34.80	Detector QP AVG QP AVG QP AVG QP AVG
0.150 No. Mk. F No. Mk. F 1 * 0.5 2 0.5 3 0.6 4 0.6 5 0.9 6 0.9 7 1.1 8 1.1	R req. R R R R R R R R R R R R R R R R R R R	Level dBuV 21.69 6.35 16.51 4.73 12.46 0.25 11.14 -0.51	Correct Factor dB 10.02 10.02 10.11 10.11 10.06 10.06 10.06	Measure- ment dBuV 31.71 16.37 26.62 14.84 22.52 10.31 21.20 9.55	Limit dBuV 56.00 46.00 56.00 46.00 56.00 46.00 46.00	Over dB -24.29 -29.63 -29.38 -31.16 -33.48 -35.69 -34.80 -36.45	Detector QP AVG QP AVG QP AVG QP AVG
0.150 No. Mk. F No. Mk. F 1 * 0.5 2 0.5 3 0.6 4 0.6 5 0.9 6 0.9 7 1.1 8 1.1 9 1.3	R req. I MHz 5060 2 5060 5740 5740 5780 860 860	Level dBuV 21.69 6.35 16.51 4.73 12.46 0.25 11.14 -0.51 15.05	Correct Factor dB 10.02 10.02 10.11 10.11 10.06 10.06 10.06	Measure- ment dBuV 31.71 16.37 26.62 14.84 22.52 10.31 21.20 9.55 25.11	Limit dBuV 56.00 46.00 56.00 46.00 56.00 46.00 56.00	Over dB -24.29 -29.63 -29.38 -31.16 -33.48 -35.69 -34.80 -36.45 -30.89	Detector QP AVG QP AVG QP AVG QP AVG QP AVG
0.150 No. Mk. F 1 * 0.5 2 0.5 3 0.6 4 0.6 5 0.9 6 0.9 7 1.1 8 1.1 9 1.3 10 1.3	R req. R R R R R R R R R R R R R R R R R R R	Level dBuV 21.69 6.35 16.51 4.73 12.46 0.25 11.14 -0.51	Correct Factor dB 10.02 10.02 10.11 10.11 10.06 10.06 10.06	Measure- ment dBuV 31.71 16.37 26.62 14.84 22.52 10.31 21.20 9.55	Limit dBuV 56.00 46.00 56.00 46.00 56.00 46.00 56.00	Over dB -24.29 -29.63 -29.38 -31.16 -33.48 -35.69 -34.80 -36.45	Detector QP AVG QP AVG QP AVG QP AVG



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				111111111111111111111111111111111111111			
EUT:	Can	nera	N	lodel Name	:	SPLIT	an'il
Temperature:	25		F	Relative Hur	midity:	55%	13.00
Test Voltage:		120V/60Hz		18	(7)	M. D.	
Terminal:	Neu		I THE				
Test Mode:	: Normal with TX B Mode						
Remark:	Only	y worse case	is reported		CITI	1915	
80.0 dBuV						QP:	
						AVG:	
	*	6					
40	ron harly	`\^\^_\^\ _\	re M				
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0.150	0	).5	(MHz)	5			30.000
		Reading	Correct	Measure			
No. Mk.	Freq.	Level	Factor	ment	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1 * 0.	5020	27.33	10.02	37.35	56.00	-18.65	QP
2 0.	5020	10.84	10.02	20.86	46.00	-25.14	AVG
3 0.	5940	24.95	10.02	34.97	56.00	-21.03	QP
4 0.	5940	9.56	10.02	19.58	46.00	-26.42	AVG
5 0.	6860	23.02	10.02	33.04	56.00	-22.96	QP
6 0.	6860	8.35	10.02	18.37	46.00	-27.63	AVG
7 0.	8820	20.40	10.10	30.50	56.00	-25.50	QP
8 0.	8820	3.34	10.10	13.44	46.00	-32.56	AVG
	0100	20.93	10.16	31.09		-24.91	QP
	0100	5.99	10.16	16.15		-29.85	AVG
	3660	20.91	10.12	31.03		-24.97	QP
	3660	6.25	10.12	16.37		-29.63	AVG
12 1.	3000	0.20	10.12	10.37	40.00	-28.03	
Emission Leve	el= Rea	ıd Level+ Co	rrect Facto	r			
				=			



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EUT:	Came	era		Model Nam	ne :	SPLIT	
Temperature:	25 °C		33	Relative H	umidity:	55%	A British
Test Voltage:	AC 2	40V/60Hz	-800	80	(A)	41.30	
Terminal:	Line		I Dille		1 6		
Test Mode:	Norm	al with TX B	8 Mode	MILLE		a 1	MARKET
Remark:	Only	worse case	is reported			33	
80.0 dBuV							
						QP: AVG:	
40	X X XX	U x Y					
MANWA	""\ <i>\</i> "\{\}	LAMPALA ARTON A	HILLIAM IN	h Mushum in			
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~~~ \	V V	V	M M	וע ע עו ע וער	V V Man a		
0.0	V V	V	May T	VVVV	VVV	Mary Mandalanda Baraham	AVG
0.0	0.5	V	(MHz)	5	V V Marana	on and other properties of the second	30.000
0.150	0.5	Reading	(MHz)	Measure-	W Washington	ornigent freeze francourse franco	
	o.s	Reading Level			Limit	Over	
0.150		_	Correct	Measure-	Limit	Over	
0.150 No. Mk.	Freq.	Level	Correct Factor	Measure- ment	dBuV		30.000
0.150 No. Mk.	Freq.	Level dBuV	Correct Factor	Measure- ment dBuV	dBuV 59.45	dB	30.000 Detector
0.150 No. Mk. 1 (2	Freq. MHz	Level dBuV 20.46	Correct Factor dB 10.02	Measure- ment dBuV 30.48	dBuV 59.45 49.45	dB -28.97	30.000 Detector QP
0.150 No. Mk. 1 (2 (3)	Freq. MHz 0.3300	Level dBuV 20.46 6.72	Correct Factor dB 10.02	Measure- ment dBuV 30.48 16.74	dBuV 59.45 49.45 57.65	dB -28.97 -32.71	Detector QP AVG
0.150 No. Mk. 1 (2 (3 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4	Freq. MHz 0.3300 0.3300 0.4100 0.4100	Level dBuV 20.46 6.72 20.75 7.37	Correct Factor dB 10.02 10.02	Measure- ment dBuV 30.48 16.74 30.77 17.39	dBuV 59.45 49.45 57.65 47.65	dB -28.97 -32.71 -26.88 -30.26	Detector QP AVG
0.150 No. Mk. 1 (2 (3 (4 (6 (5 * *) (6 (6 (6 (6 (6 (6 (6 (6 (6 (6 (6 (6 (6	Freq. MHz 0.3300 0.3300 0.4100 0.4100 0.5260	Level dBuV 20.46 6.72 20.75 7.37 22.58	Correct Factor dB 10.02 10.02 10.02 10.02	Measure- ment dBuV 30.48 16.74 30.77 17.39 32.61	dBuV 59.45 49.45 57.65 47.65 56.00	dB -28.97 -32.71 -26.88 -30.26 -23.39	Detector QP AVG QP AVG QP
0.150 No. Mk. 1	Freq. MHz 0.3300 0.3300 0.4100 0.4100 0.5260 0.5260	Level dBuV 20.46 6.72 20.75 7.37 22.58 9.02	Correct Factor dB 10.02 10.02 10.02 10.02 10.03	Measure- ment dBuV 30.48 16.74 30.77 17.39 32.61 19.05	dBuV 59.45 49.45 57.65 47.65 56.00 46.00	dB -28.97 -32.71 -26.88 -30.26 -23.39 -26.95	Detector QP AVG QP AVG QP AVG
0.150 No. Mk. 1	Freq. MHz 0.3300 0.3300 0.4100 0.4100 0.5260 0.5260 0.9260	Level dBuV 20.46 6.72 20.75 7.37 22.58 9.02 17.99	Correct Factor dB 10.02 10.02 10.02 10.03 10.03 10.07	Measure- ment dBuV 30.48 16.74 30.77 17.39 32.61 19.05 28.06	dBuV 59.45 49.45 57.65 47.65 56.00 46.00	dB -28.97 -32.71 -26.88 -30.26 -23.39 -26.95 -27.94	Detector QP AVG QP AVG QP AVG QP
0.150 No. Mk. 1	Freq. MHz 0.3300 0.3300 0.4100 0.5260 0.5260 0.9260 0.9260	Level dBuV 20.46 6.72 20.75 7.37 22.58 9.02 17.99 5.06	Correct Factor dB 10.02 10.02 10.02 10.03 10.03 10.07	Measure- ment dBuV 30.48 16.74 30.77 17.39 32.61 19.05 28.06 15.13	dBuV 59.45 49.45 57.65 47.65 56.00 46.00 46.00	dB -28.97 -32.71 -26.88 -30.26 -23.39 -26.95 -27.94 -30.87	Detector QP AVG QP AVG QP AVG AVG
0.150 No. Mk. 1	Freq. MHz 0.3300 0.3300 0.4100 0.5260 0.5260 0.9260 0.9260 1.0260	Level dBuV 20.46 6.72 20.75 7.37 22.58 9.02 17.99 5.06 18.64	Correct Factor dB 10.02 10.02 10.02 10.03 10.03 10.07 10.07	Measure- ment dBuV 30.48 16.74 30.77 17.39 32.61 19.05 28.06 15.13 28.70	dBuV 59.45 49.45 57.65 47.65 56.00 46.00 56.00	dB -28.97 -32.71 -26.88 -30.26 -23.39 -26.95 -27.94 -30.87 -27.30	Detector QP AVG QP AVG QP AVG QP AVG
0.150 No. Mk. 1	Freq. MHz 0.3300 0.3300 0.4100 0.5260 0.5260 0.9260 0.9260	Level dBuV 20.46 6.72 20.75 7.37 22.58 9.02 17.99 5.06	Correct Factor dB 10.02 10.02 10.02 10.03 10.03 10.07	Measure- ment dBuV 30.48 16.74 30.77 17.39 32.61 19.05 28.06 15.13	dBuV 59.45 49.45 57.65 47.65 56.00 46.00 56.00	dB -28.97 -32.71 -26.88 -30.26 -23.39 -26.95 -27.94 -30.87	Detector QP AVG QP AVG QP AVG AVG
0.150 No. Mk. 1 (2 (3 (4 (6 (6 (6 (6 (6 (6 (6 (6 (6 (6 (6 (6 (6	Freq. MHz 0.3300 0.3300 0.4100 0.5260 0.5260 0.9260 0.9260 1.0260	Level dBuV 20.46 6.72 20.75 7.37 22.58 9.02 17.99 5.06 18.64	Correct Factor dB 10.02 10.02 10.02 10.03 10.03 10.07 10.07	Measure- ment dBuV 30.48 16.74 30.77 17.39 32.61 19.05 28.06 15.13 28.70	dBuV 59.45 49.45 57.65 47.65 56.00 46.00 56.00 46.00	dB -28.97 -32.71 -26.88 -30.26 -23.39 -26.95 -27.94 -30.87 -27.30	Detector QP AVG QP AVG QP AVG QP AVG



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EUT:	Camera		Model Name	:	SPLIT	
Temperature:	25 ℃		Relative Hur	midity:	55%	Allin
Test Voltage:	AC 240V/60Hz	1	111	67	4.30	
Terminal:	Neutral	A AMOUNT		1 6		
Test Mode:	Normal with TX I	B Mode	MILLO		0 N	N. Land
Remark:	Only worse case	is reported	1		199	
80.0 dBuV					QP:	
					AVG:	
<i>[</i>	* * * * * * * * * * * * * * * * * * *					
40	\{\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	M. AMY /M	Man.			
V	A & Alman	1 111 14, pr	$\bigvee\bigvee\bigvee\bigvee$	\mathcal{M}_{Δ}		
	n de 1 1 1		Y	0.000	Marine Marine	HAMMA.
Jan Jan	1/1// M. M. M. M. M. 1/1//	ha who was	M m		1.41.41	W. W.
~~ V	A A A A A A A A A A A A A A A A A A A	, JA	$\bigvee\bigvee\bigvee\bigvee$	Munin	۸۸	peal
0.0		,			a decaphorate de la constitución	AVG
0.150	0.5	(MHz)	5			30.000
	Reading	Correct	Measure-			
No. Mk. F	req. Level	Factor	ment	Limit	Over	
N	MHz dBuV	dB	dBuV	dBuV	dB	Detector
1 0.3	3339 28.18	10.08	38.26	59.35	-21.09	QP
2 0.3	3339 11.20	10.08	21.28	49.35	-28.07	AVG
3 0.4	1100 29.02	10.05	39.07	57.65	-18.58	QP
4 0.4	1100 12.14	10.05	22.19	47.65	-25.46	AVG
5 * 0.5	5260 30.83	10.02	40.85	56.00	-15.15	QP
6 0.5	5260 13.84	10.02	23.86	46.00	-22.14	AVG
7 0.6	6780 23.18	10.02	33.20	56.00	-22.80	QP
8 0.6	6780 7.35	10.02	17.37	46.00	-28.63	AVG
	9140 27.01	10.12	37.13		-18.87	QP
	9140 9.70	10.12	19.82		-26.18	AVG
	0220 27.31	10.12	37.47		-18.53	QP
12 1.0	9.30	10.16	19.46	40.00	-26.54	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 (9 kHz~1000 MHz)

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

Radiated Emission Limit (Above 1000MHz)

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

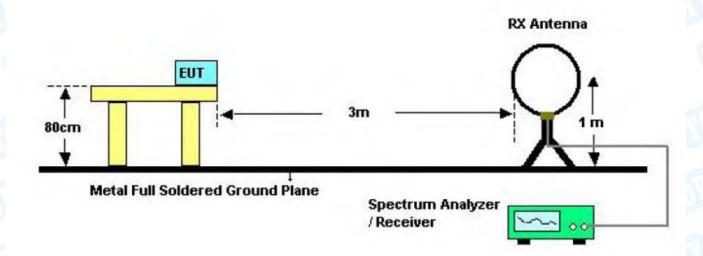
Note:

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

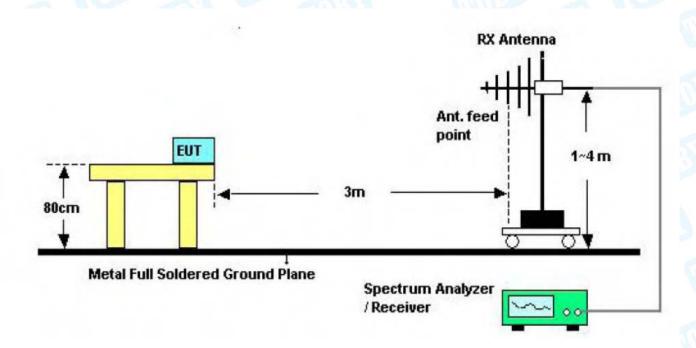


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5.2 Test Setup



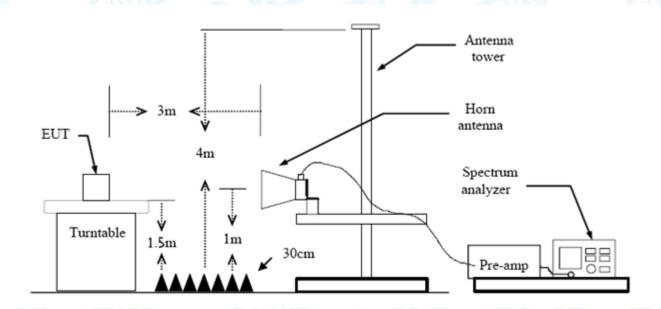
Below 30MHz Test Setup



Below 1000MHz Test Setup



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Above 1GHz Test Setup

5.3 Test Procedure

- (1) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (2) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (3) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (4) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (5) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (6) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (7) For the actual test configuration, please see the test setup photo.

5.4 EUT Operating Condition

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



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5.5 Test Data

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

Test data please refer the following pages.



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9KHz~30MHz

From 9KHz to 30MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB

below the permissible value has no need to be reported.

30MHz~1GHz

25 ℃ AC 120\ Horizont TX B Mo	.//60 ⊔ 7					3 1
Horizont	1/60HZ		Relative Hu	ımidity:	55%	
	V/0011Z	WW.		DATE		
TX B Mo	tal	C.				
	ode 2412N	ИНz	Bir	100	1800	
Only wo	rse case i	is reported	- 0	MIL.	-	
Ynnymw ⁿ	Market Ann	MANA	2 34 X	(RF)FCC 19	5C 3M Radiation Margin -6 5 6 X X	
		(MHz)	300	400 50	00 600 700	1000.00
	Reading	Correct	Measure-			
	Level	Factor	ment	Limit	Over	
	Level dBuV	Factor dB/m		Limit dBuV/m	Over	Detector
eq. Iz			ment			Detector
eq. Iz	dBuV	dB/m	ment dBuV/m	dBuV/m	dB	
eq. Hz 938 9874	dBuV 53.87	dB/m -23.65	ment dBuV/m 30.22	dBuV/m 40.00	dB -9.78	QP
938 9874	dBuV 53.87 55.11	dB/m -23.65 -18.18	ment dBuV/m 30.22 36.93	dBuV/m 40.00 46.00	dB -9.78 -9.07	QP QP
938 9874 9581 8800	dBuV 53.87 55.11 54.84	dB/m -23.65 -18.18 -16.81	ment dBuV/m 30.22 36.93 38.03	dBuV/m 40.00 46.00 46.00	dB -9.78 -9.07 -7.97	QP QP
	60 70 8	60 70 80		60 70 80 (MHz) 300	60 70 80 (MHz) 300 400 5	2 34 5 6 X XX 60 70 80 (MHz) 300 400 500 600 700



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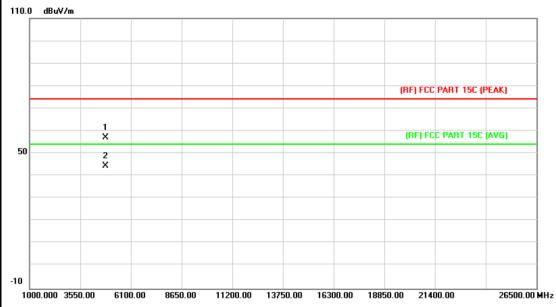
EUT:	Camera	Model:	SPLIT	
Temperature:	25 ℃	Relative Humidity:	: 55%	
Гest Voltage:	AC 120V/60HZ		CITIES .	
Ant. Pol.	Vertical	The state of the s	Carried Miles	18
Test Mode:	TX B Mode 2412MHz	THE PARTY OF		1 lease
Remark:	Only worse case is re	ported	U.S.	
30	2 3 X	Many Many Many Many Many Many Many Many	FJFCC 15C 3M Radiation Margin -6 4 5 6	
		(MHz) 300 40	00 500 600 700	1000.00
	Reading Cor			1000.00
30.000 40 50	Reading Cor q. Level Fac	rect Measure- ctor ment Lim	it Over	1000.00
30.000 40 50 No. Mk. Free	Reading Corr q. Level Fac dBuV dB/	rect Measure- ctor ment Lim	it Over	
No. Mk. Free	Reading Corr q. Level Fac dBuV dB/ 25 58.13 -23.	rect Measure- ctor ment Lim dBuV/m dBuV 72 34.41 40.	it Over V/m dB 0 00 -5.59	Detector
No. Mk. Free MHz 1 * 48.16:	Reading Corr Level Fac dBuV dB/ 25 58.13 -23. 26 57.25 -21.	rect Measure- ctor ment Lim dBuV/m dBuV 72 34.41 40. 85 35.40 43.	it Over V/m dB 0 00 -5.59 50 -8.10	Detector QP QP
No. Mk. Free MHz 1 * 48.16: 2 106.01	Reading Corr Level Fac dBuV dB/ 25 58.13 -23. 26 57.25 -21.	rect Measure- ctor ment Lim dBuV/m dBuV 72 34.41 40. 85 35.40 43. 51 37.27 43.	it Over //m dB [00 -5.59 50 -8.10 50 -6.23	Oetector QP QP QP
No. Mk. Free MHz 1 * 48.16: 2 106.01 3 143.82	Reading Correct Level Factors and ABuV dB/25 58.13 -23. 26 57.25 -21. 293 58.78 -21. 276 51.45 -11.	rect Measure- ctor ment Lim dBuV/m dBuV 72 34.41 40. 85 35.40 43. 51 37.27 43. 13 40.32 46.	it Over //m dB [00 -5.59 50 -8.10 50 -6.23 00 -5.68	Detector QP QP



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Above 1GHz

EUT:	Camera	Model:	SPLIT
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		THE STATE OF THE S
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2412MHz	THE PERSON NAMED IN	A VIVE
Remark:	No report for the emission	which more than 10 de	B below the prescribed
	limit.	2 13 W	

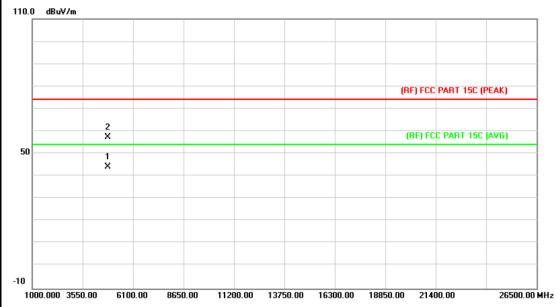


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.769	43.57	13.56	57.13	74.00	-16.87	peak
2	*	4824.162	30.90	13.56	44.46	54.00	-9.54	AVG



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EUT:	Camera	Model:	SPLIT
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ	al a	1133
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz		3 1111
Remark:	No report for the emissio	n which more than 10 dB	below the
	prescribed limit.	الله مر الا	
Í			



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



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	Model:	SPLIT				
	Relative Humidity:	55%				
AC 120V/60HZ						
Horizontal						
Node 2437MHz		THE PARTY OF THE P				
No report for the emission which more than 10 dB below the prescribed limit.						
	ntal Mode 2437MHz Port for the emission	ov/60HZ Intal Mode 2437MHz Fort for the emission which more than 10 december 10 decembe				



N	lo.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4872.851	30.18	13.85	44.03	54.00	-9.97	AVG
2			4873.388	44.63	13.86	58.49	74.00	-15.51	peak



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

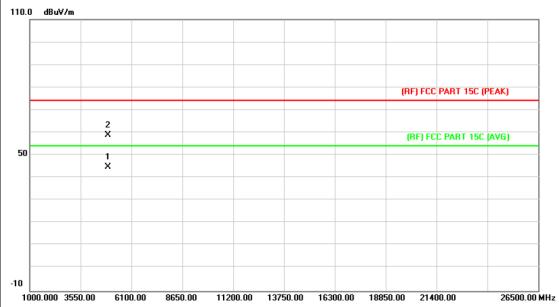


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.747			57.24	74.00	-16.76	peak
2	*	4875.221	30.26	13.87	44.13	54.00	-9.87	AVG



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EUT:	Camera	Model:	SPLIT				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX B Mode 2462MHz	THE PERSON NAMED IN					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						
	•						

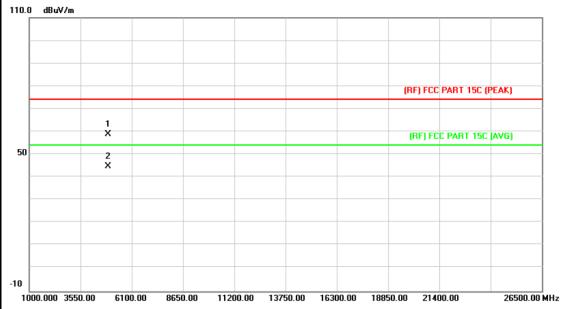


	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4923.538	30.64	14.15	44.79	54.00	-9.21	AVG
2	2		4923.958	44.69	14.15	58.84	74.00	-15.16	peak



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EUT:	Camera	Model:	SPLIT					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ						
Ant. Pol.	Vertical							
Test Mode:	TX B Mode 2462MHz	MILLER	THE PARTY OF THE P					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							
110.0 dP.40m								



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



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EUT:	Camera	Model:	SPLIT				
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 emissio	No report for the emission which more than 10 dB below the					
	prescribed limit.						

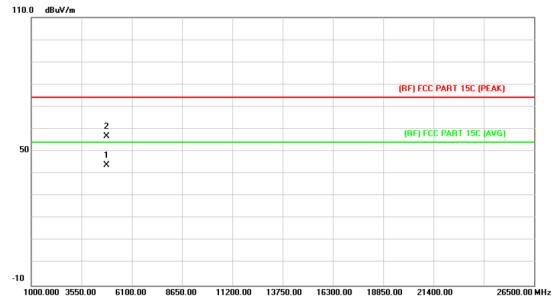


N	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1			4824.042	44.03	13.56	57.59	74.00	-16.41	peak
2		*	4824.066	30.76	13.56	44.32	54.00	-9.68	AVG



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

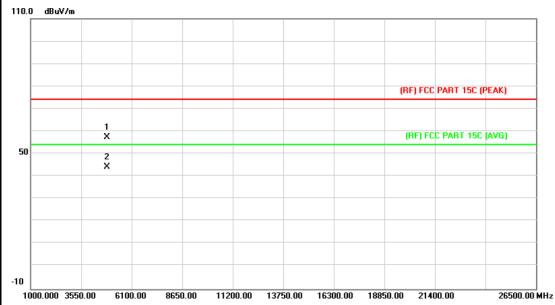


N	o. l	Mk.	Freq.	_		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	r	4824.624	30.33	13.56	43.89	54.00	-10.11	AVG
2			4825.293	43.29	13.57	56.86	74.00	-17.14	peak



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EUT:	Camera	Model:	SPLIT				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX G Mode 2437MHz	MILLOR	The same of the sa				
Remark:	No report for the emission prescribed limit.	No report for the emission which more than 10 dB below the prescribed limit.					

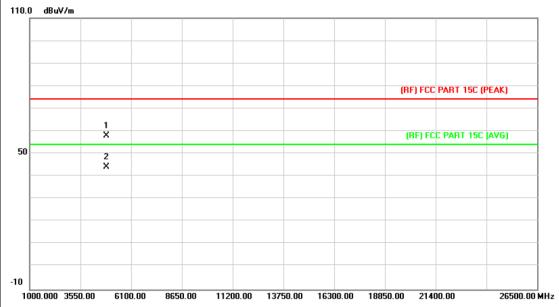


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.796	43.49	13.86	57.35	74.00	-16.65	peak
2	*	4875.452	30.36	13.87	44.23	54.00	-9.77	AVG



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EUT:	Camera	Model:	SPLIT				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ						
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX G Mode 2437MHz	MILES	THE PERSON NAMED IN				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						



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



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

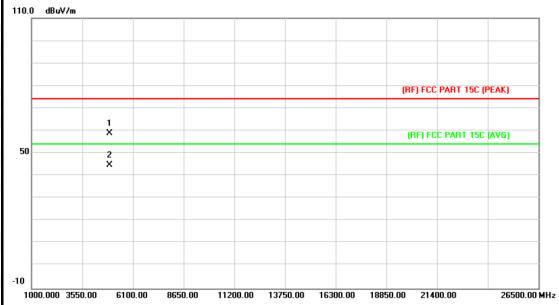


N	o. M	lk. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4922.83	6 30.75	14.14	44.89	54.00	-9.11	AVG
2		4924.01	8 44.43	14.15	58.58	74.00	-15.42	peak



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EUT:	Camera	Model:	SPLIT				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX G Mode 2462MHz		The same of the sa				
Remark:	No report for the emissio	No report for the emission which more than 10 dB below the					
	prescribed limit.						



No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.144	44.64	14.15	58.79	74.00	-15.21	peak
2	*	4925.254	30.51	14.16	44.67	54.00	-9.33	AVG



Page: 35 of 91

EUT:	Camera	Model:	SPLIT					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ						
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT20) Mode 2412N	lHz						
Remark:	No report for the emission	No report for the emission which more than 10 dB below the						
	prescribed limit.							

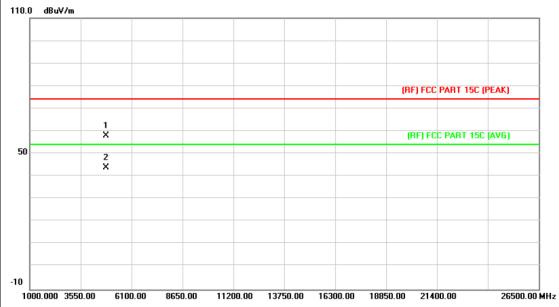


N	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4823.886	44.08	13.56	57.64	74.00	-16.36	peak
2			4824.882	30.24	13.56	43.80	74.00	-30.20	peak



Page: 36 of 91

EUT:	Camera	Model:	SPLIT				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ						
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX N(HT20) Mode 2412N	lHz					
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		4822.992	44.32	13.55	57.87	74.00	-16.13	peak
2	*	4825.011	30.14	13.57	43.71	54.00	-10.29	AVG



Page: 37 of 91

EUT:	Camera	Model:	SPLIT				
Temperature:	25 ℃	55%					
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 2437M	Hz					
Remark:	No report for the emission	which more than 10 de	B below the				
	prescribed limit.						
110.0 JD-3//-	**************************************						



N	o. N	۱k.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4	1872.608	43.28	13.85	57.13	74.00	-16.87	peak
2	*	4	1874.405	30.53	13.86	44.39	54.00	-9.61	AVG



Page: 38 of 91

EUT:	Camera	Model:	SPLIT				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ					
Ant. Pol.	Vertical						
Test Mode:	TX N(HT20) Mode 2437N	1Hz	THE PARTY OF THE P				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						
prescribed limit.							

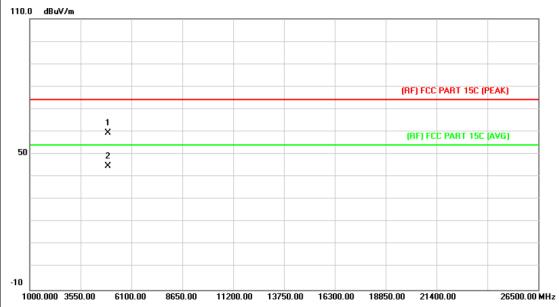


No.	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.718	44.04	13.86	57.90	74.00	-16.10	peak
2	*	4875.305	30.34	13.87	44.21	54.00	-9.79	AVG



Page: 39 of 91

EUT:	Camera	Model:	SPLIT				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ					
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT20) Mode 2462MH	z MNDS	J. Hilliam				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						

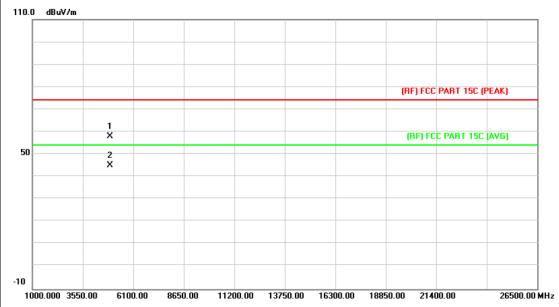


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4922.749	45.36	14.14	59.50	74.00	-14.50	peak
2	*	4925.119	30.46	14.16	44.62	54.00	-9.38	AVG



Page: 40 of 91

EUT:	Camera	Model:	SPLIT				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ						
Ant. Pol.	Vertical	O					
Test Mode:	TX N(HT20) Mode 2462MH	z	3 Aller				
Remark:	No report for the emission v	No report for the emission which more than 10 dB below the					
	prescribed limit.						

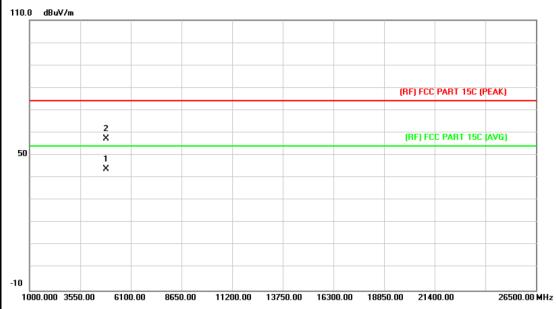


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4922.944	43.67	14.14	57.81	74.00	-16.19	peak
2	*	4924.960	30.77	14.15	44.92	54.00	-9.08	AVG



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EUT:	Camera	Model:	SPLIT				
Temperature:	25 ℃ Relative Humidity: 55		55%				
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ					
Ant. Pol.	Horizontal	U					
Test Mode:	TX N(HT40) Mode 2422M	Hz	Jan Jan				
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	*	4843.142	30.27	13.68	43.95	54.00	-10.05	AVG
2		4843.235	43.63	13.68	57.31	74.00	-16.69	peak



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EUT:	Camera	Model:	SPLIT			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ					
Ant. Pol.	Vertical	O				
Test Mode:	TX N(HT40) Mode 2422MHz	z MIDE	J. Hilliam			
Remark:	Remark: No report for the emission which more than 10 dB below the prescribed limit.					

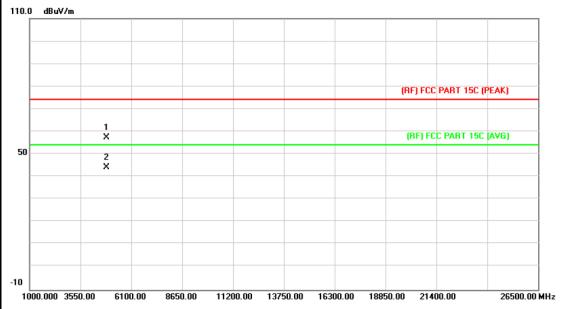


No	. Mk	Freq.	_		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4843.841	30.18	13.68	43.86	54.00	-10.14	AVG
2		4844.642	43.38	13.68	57.06	74.00	-16.94	peak



Page: 43 of 91

EUT:	Camera	Model:	SPLIT				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT40) Mode 243	37MHz	THE PARTY OF THE P				
Remark:	No report for the emiss	No report for the emission which more than 10 dB below the					
	prescribed limit.						

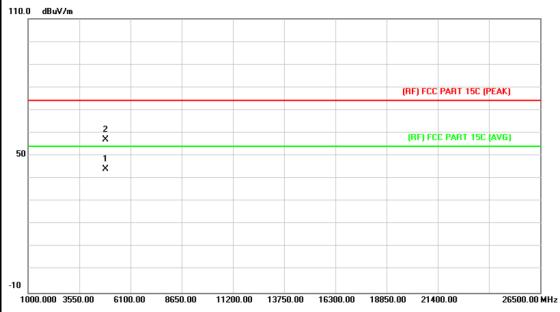


No	o. MI	κ. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.553	43.37	13.86	57.23	74.00	-16.77	peak
2	*	4874.486	30.29	13.86	44.15	54.00	-9.85	AVG



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EUT:	Camera	Model:	SPLIT				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ					
Ant. Pol.	Vertical						
Test Mode:	TX N(HT40) Mode 2437M	Hz					
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						
110.0 40.47	1100 P.V.						



N	lo.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1	,	*	4873.250	30.29	13.86	44.15	54.00	-9.85	AVG
2			4874.213	43.24	13.86	57.10	74.00	-16.90	peak



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EUT:	Camera	Model:	SPLIT				
Temperature:	25 ℃	25 °C Relative Humidity: 55%					
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT40) Mode 2452M	Hz	THE PARTY OF THE P				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.						
440.0 10.141							

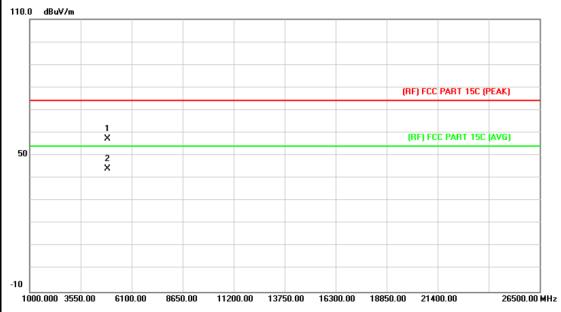


No	. Mk	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4903.508			57.75	74.00	-16.25	peak
2	*	4905.146	30.60	14.04	44.64	54.00	-9.36	AVG



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EUT:	Camera	Model:	SPLIT			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ		Tibe			
Ant. Pol.	Vertical					
Test Mode:	TX N(HT40) Mode 2452M	Hz				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					
110.0 dP:4//m						



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



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6. Restricted Bands Requirement

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.247(d)

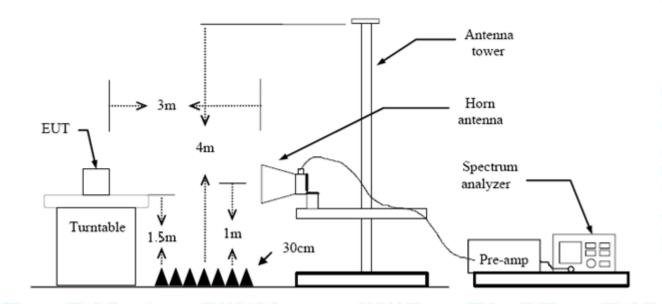
FCC Part 15.209

FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Distance of	3m (dBuV/m)
Band (MHz)	Peak	Average
2310 ~2390	74	54
2483.5 ~2500	74	54

6.2 Test Setup



6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.



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(3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.

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

6.4 EUT Operating Condition

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

6.5 Test Data

Please see the next page.



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(1) Radiation Test

EU ⁻	Γ:		Can	nera	130	Model:		SPLIT	
Ten	nperat	ure:	25 °C Relative Humidity:			55%			
Test Voltage: AC 120V/60HZ						MILES			
Ant	. Pol.		Hori	zontal		(MIN)		a Wy	
Tes	t Mod	e :	TX	3 Mode 241	2MHz			13	_ (
Remark: N/A									
120.	0 dBuV/	m							
60								PART 15C (PEAK	
						1 X 2 X			
0.0	326.000 2		2346.00	2356.00 23	66.00 2376.00	0 2386.00 23	96.00 2406.		426.00 MHz
	o. Mk			Reading Level	Correct Factor	Measure- ment	Limit	Over	720.00 IIII
		MH	z	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detecto
1		2390.	000	45.85	0.77	46.62	74.00	-27.38	peak
2		2390.	000	35.43	0.77	36.20	54.00	-17.80	AVG
3	*	2412.	800	94.48	0.86	95.34			AVG
1	X	2413.	100	99.15	0.86	100.01			peak



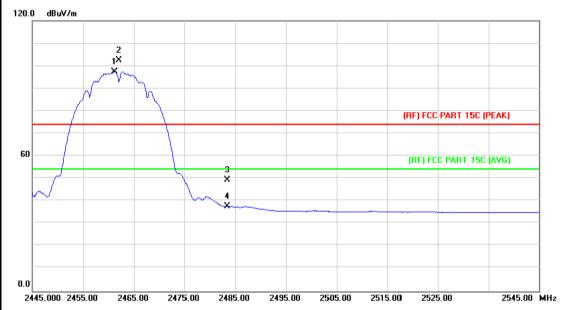
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EU	Т:	Can	nera		Model:		SPLIT		
Ten	nperature:	25 °	Č	Relative Humidity:			55%		
Tes	t Voltage:	AC 1	120V/60HZ		2.6	61			
Ant. Pol. Vertical				A F					
Tes	t Mode:	TX E	B Mode 241	2MHz		0)30		A Real	
Rer	mark:	N/A	Bre		1	6.00	133	_ (
120.	0 dBuV/m								
							4		
						(RF) FC	C PART 15C (PEAI	K)	
60						(RF) F	CC PART 15C (AV)	ų	
					1 X	~			
0.0									
2:	331.000 2341.00	2351.00	2361.00 23 Reading	Correct	00 2391.00 Measure		11.00	2431.00 MF	
No	o. Mk.	Freq.	Level	Factor	ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/n	n dB	Detecto	
				0.77	45.07	74.00	-28.93	peak	
1	23	90.000	44.30	0.77	40.07				
		90.000	33.14	0.77	33.91	54.00	-20.09	AVG	
1 2 3	23						-20.09	AVG AVG	



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EUT:	Camera	Model:	SPLIT					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ						
Ant. Pol.	Horizontal							
Test Mode:	TX B Mode 2462MHz	TX B Mode 2462MHz						
Remark:	N/A		133					



No	o. Mk	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2461.200	96.38	1.07	97.45			AVG
2	X	2462.000	101.31	1.08	102.39			peak
3		2483.500	48.25	1.17	49.42	74.00	-24.58	peak
4		2483.500	36.45	1.17	37.62	54.00	-16.38	AVG



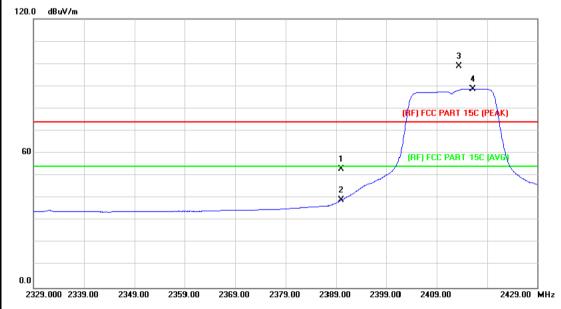
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EU1	Γ:		Can	nera		a 1	M	lodel:			SPLIT		1	
Ten	perati	ıre:	25	$^{\circ}$	TITE	30	R	elative	Hun	nidity:	55%			100
Tes	t Volta	ge:	AC	120V/6	60HZ		(1)			(6)	MI)	9		
Ant	. Pol.		Vert	ical		0.11			1	1		A		3
Tes	t Mode):	TXI	B Mod	e 2462	2MHz		611	103		1			
Ren	nark:		N/A	163		1		800		CIN	190			K
120.0	dBuV/m	1								1				1
		1 X ₂												
		×												
		\bigwedge	Y											
	/									(RF) FC	C PART 15C	(PEAK)	
60					1					(RF) F	CC PART 15	C (AVG)	
					3 X 4									
					×				_					
0.0	46.000 24	56.00 2	466.00	2476.0	0 248	6.00 2496	5.00	2506.00	2510	6.0 0 252	26.00	2!	546.00	MH
				Doo	ding	Correc	st I	Measu	ro					_
N	o. Mk	. Fre	ea	Le		Facto		ment		Limit	Ov	er		
		MH		dB			-	dBuV/		dBuV/r	n di	R	Dete	cto
_						dB/m				ubuvii	ii ui			
1	X	2461.		99.	.98	1.07		101.0)5				pe	ak
2	*	2462.	800	94.	69	1.08		95.7	7				A۷	'G
		2483.	500	46.	42	1.17		47.5	9	74.00	-26	.41	pe	ak
3								00.0		E4.00	. 45	- 00	Λ.	
3		2483.	500	37.	.03	1.17		38.2	U	54.00) -15	.80	A۷	'G



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EUT:	Camera	Model:	SPLIT
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ	31	Till a
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2412MHz	MILLOR	A VIII
Remark:	N/A		
120.0 dBuV/m			



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	52.06	0.77	52.83	74.00	-21.17	peak
2		2390.000	38.29	0.77	39.06	54.00	-14.94	AVG
3	X	2413.500	98.07	0.86	98.93	_		peak
4	*	2416.200	87.88	0.88	88.76			AVG



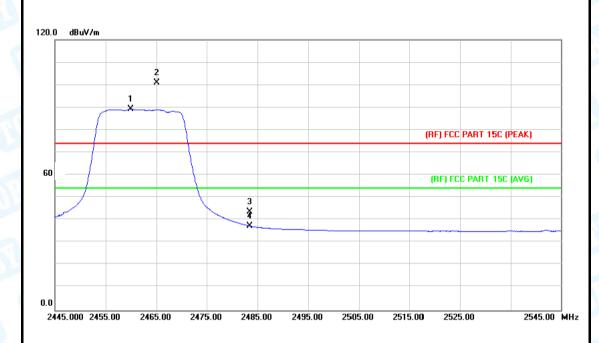
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EUT	•		Cam	iera		a W	Mod	lel:		SPLIT		
Tem	peratı	ıre:	25 °	С	CILI	33	Rela	tive Hu	ımidity:	55%		
Test	Volta	ge:	AC 1	120V	/60HZ	A.	Dig.		(Fill)	133		
۹nt.	Pol.		Verti	cal		L. Harris			6			
Test	Mode	:	TX	Э Мо	de 2412	2MHz	1				N. Carlot	
Rem	ark:		N/A	A						13		
120.0	dBuV/r	n										
										3 X		
										4		
									(BE) ECC I	PART 15C (PEAK	1	
									(III) FEE	ATT TSC (I EAR	,,	
60							1 X		(RF) FCC	PART 15C AVG	il	
									(11)			
							2 X					
-												
0.0	33.000 2	343.00 2	353.00	2363	3.00 23	73.00 2383.0	n 239	3.00 240)3.00 24 13.	00 2	433.00 MH:	
							233					
No	. Mk.	Fre		Rea	ading evel	Correct Factor	Mea	sure-	Limit	Over		
No	. Mk.	Fre MH:		Rea Le			Mea m		Limit dBuV/m	Over	Detecto	
	. Mk.		Z	Rea Le	evel	Factor	Mea me dBi	ent		dB	Detecto	
1	. Mk.	MH	z 000	Rea Le	evel BuV	Factor dB/m	Mea mo dBo	ent uV/m	dBuV/m	dB -16.48	peak	
No 1 2	x	MH: 2390.0)00)00	Rea Le di 56	evel BuV 3.75	Factor dB/m 0.77	Mea modBl 57	ent uV/m 7.52	dBuV/m 74.00	dB -16.48	peak	



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EUT:	Camera	Model:	SPLIT
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ	(a)	
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz		THE PARTY OF THE P
Remark:	N/A		0

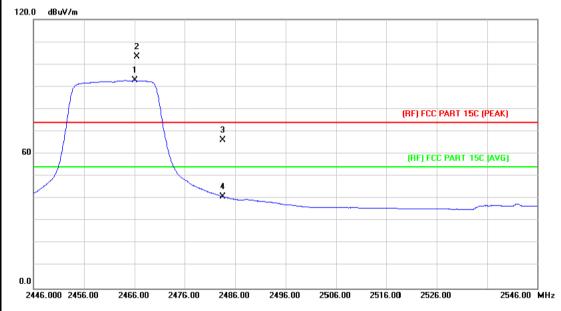


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2460.000	88.10	1.06	89.16			AVG
2	X	2465.000	99.89	1.09	100.98			peak
3		2483.500	42.47	1.17	43.64	74.00	-30.36	peak
4		2483.500	36.24	1.17	37.41	54.00	-16.59	AVG



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EUT:	Camera	Model:	SPLIT
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		133
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2462MHz		2
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	*	2466.000	91.66	1.09	92.75			AVG
2	X	2466.400	102.22	1.09	103.31			peak
3		2483.500	64.98	1.17	66.15	74.00	-7.85	peak
4		2483.500	39.85	1.17	41.02	54.00	-12.98	AVG



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erature: /oltage: /ol. lode: rk: dBuV/m	25 °C AC 120 Horizor TX N(H N/A	ntal		12MH			(RF) FC	55%	4 ×
ol. lode: rk:	Horizor	ntal		112MH.	z	1	(ни го	C PART 15C (P	
lode: rk:	TX N(H		Aode 24	112MH.	z	1	(RF) FC	C PART 15C (P	
rk:		HT20) N	Mode 24	112MH	z	1	(RF) FC	C PART 15C (P	
	N/A					1	(ни го	2C PART 15C (P	
dBuV/m						1	(RF) FC	C PART 15C (P	
						1	(BF) FC	C PART 15C (P	
						X	(RF) F	CC PART 15C ((AVG)
000 2337.00 2	2347.00 2	2357.00	2367.00	2377.00	2387	.00 23	397.00 24	07.00	2427.00 MI
MI: For							Limit	Over	
			Fa	actor					
		dBuV					dBuV/r	n dB	Detecto
2390.0	000	64.80	0.	.77	65	.57	74.00	-8.43	3 peal
X 2390.0	000	57.47	0.	.77	58.	.24	54.00	4.24	4 AVG
* 2417.2	200	93.36	0.	.88	94.	.24			AVG
X 2418.8	300 1	103.72	. 0.	.89	104	1.61			peal
*	Mk. Fre MH: 2390.0 X 2390.0 C 2417.2 X 2418.8	Mk. Freq. MHz 2390.000 C 2390.000 C 2417.200 C 2418.800	Mk. Freq. Level MHz dBuV 2390.000 64.80 X 2390.000 57.47 2417.200 93.36 X 2418.800 103.72	Reading Co Level Fa MHz dBuV dBuV 2390.000 64.80 0. X 2390.000 57.47 0. X 2417.200 93.36 0. X 2418.800 103.72 0.	Reading Correct Level Factor MHz dBuV dB/m 2390.000 64.80 0.77 X 2390.000 57.47 0.77 Z 2417.200 93.36 0.88 X 2418.800 103.72 0.89	Reading Correct Measure Level Factor measure MRz dBuV dB/m dBu 2390.000 64.80 0.77 65 C 2390.000 57.47 0.77 58 C 2417.200 93.36 0.88 94 C 2418.800 103.72 0.89 104	Reading Correct Measure- Level Factor ment MHz dBuV dB/m dBuV/m 2390.000 64.80 0.77 65.57 X 2390.000 57.47 0.77 58.24 2417.200 93.36 0.88 94.24	Reading Correct Measure- Level Factor ment Limit MHz dBuV dB/m dBuV/m dBuV/r 2390.000 64.80 0.77 65.57 74.00 X 2390.000 57.47 0.77 58.24 54.00 X 2417.200 93.36 0.88 94.24 X 2418.800 103.72 0.89 104.61	Reading Correct Measure- Level Factor ment Limit Over MHz dBuV dB/m dBuV/m dBuV



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EU	Γ:		Can	nera		a N	Mode	el:		SPLIT		
Ten	nperati	ıre:	25 °	°C		33	Relat	ive Hun	nidity:	55%	A	Miles
Tes	t Volta	ge:	AC	120V/6	0HZ		15		(A)	MIN.		
Ant	. Pol.		Vert	ical		1011	A STATE OF THE PARTY OF THE PAR		16		1	
Tes	t Mode) :	1XT	N(HT2	O) Mod	de 2412N	1Hz	MD		a 1		No. of Contract of
Rer	nark:		N/A	177		-			CIN!	33		_ (
120.0	0 dBuV/r	n										
									(RF) FC(4 × 3 × C PART 15C	(PEAK)	
60							1 X		(RF) FO	CC PART 150	C (AVG)	
							2 X					
0.0		242.00	2052.00	2222.0	0.007	2 22 222		2.00		12.00		33.00 MH
2.	333.000 23	543.00	2353.00	2363.0	D 237	3.00 2383	5.00 233	3.00 240	3.00 241	3.00	24.	33.00 MI
	o. Mk	. Fre	eq.	Rea Le		Correct Facto		asure- ient	Limit	Ove	er	
N					/	dB/m	dB	luV/m	dBuV/n	n dB	3	Detecto
N		MH	lz	dB	u v	ub/III						
1		MH 2390.		47.		0.77		8.19	74.00) -25.	.81	peak
1			000		42		4) -25.		
	*	2390.	000	47.	42 97	0.77	3	8.19				peak AVG AVG



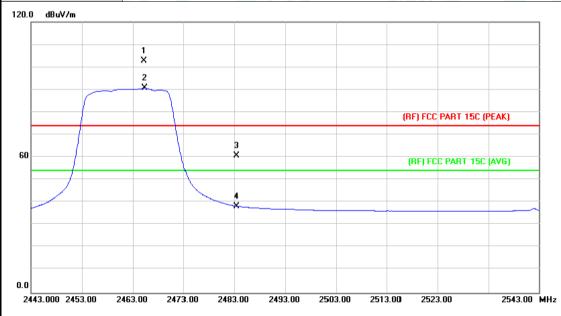
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EU.	Γ:		Cam	era		A		Mod	lel:			SPLIT	650	170
Ten	nperat	ure:	25 °C	C	TITE	33		Rela	tive	Humic	lity:	55%	N.B	
Tes	t Volta	ge:	AC 1	120V/6	60HZ		1	111			(All)	1137		A
Ant	. Pol.		Horiz	zontal		(1)						10		
Tes	t Mode	9 :	TXN	1(HT2	O) Mod	de 246	2MHz			100		2 1	MAR	
Rer	nark:		N/A	163		-	TI	1			M.			
120	0 dBuV/	'm												_
			2 X											
		1												
)E) FCC I	34DT 4FC () 	
										U	AFJ FCC F	PART 15C (I	EAKJ	-
60	/			\bot							(DE) ECC	PART 15C	(AVG)	
	 			+	3						(iii ji cc	TAIII ISC	Aruj	+
	Married .				* 4 *									4
													_	
														4
														-
0.0		MEE OO	2405.00	2475 (0 24	DE 00 '	140E 00	250	F 00	2E1E 00	3E3E	00	2545 O	
-	445.000 2	2435.00	2465.00	2475.0	U 248	35.00 2	2495.00	2509	o.uu	2515.00	2525.	uu	2545.0	U MIH
				Door	dina	Corre	oot	Moo	curo					
N	o. Mk	. Fre	ea.	Read		Fac			sure ent		mit	Ove	r	
		MH		dBı		dB/n			uV/m	dB	uV/m	dB	Det	ecto
4	*	2460.		87.		1.06			3.86					VG
	X	2465.		99.		1.09			0.96					eak
1		2400.	200								1.00	00.7		
2		0.400	500			1.17	/	45	.65	(4	4.00	-28.3	35 p	eak
		2483. 2483.		35.		1.1			7.13		4.00	-16.8		VG



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į,	EUT:	Camera	Model:	SPLIT			
}	Temperature:	25 ℃	Relative Humidity:	55%			
	Test Voltage:	AC 120V/60HZ					
١	Ant. Pol.	Vertical	Vertical				
d	Test Mode:	TX N(HT20) Mode 2462MHz					
	Remark:	N/A					

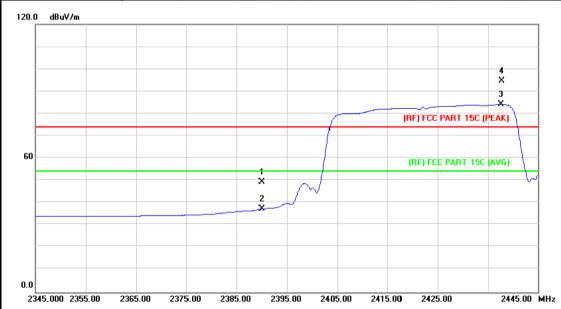


No.	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2465.200	101.74	1.09	102.83		-	peak
2	*	2465.300	89.55	1.09	90.64			AVG
3		2483.500	59.55	1.17	60.72	74.00	-13.28	peak
4		2483.500	37.17	1.17	38.34	54.00	-15.66	AVG



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EUT:	Camera	Model:	SPLIT		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage: AC 120V/60HZ					
Ant. Pol.	Horizontal				
Test Mode:	TX N(HT40) Mode 2422MH	z	2 1111		
Remark:	N/A		13 0		

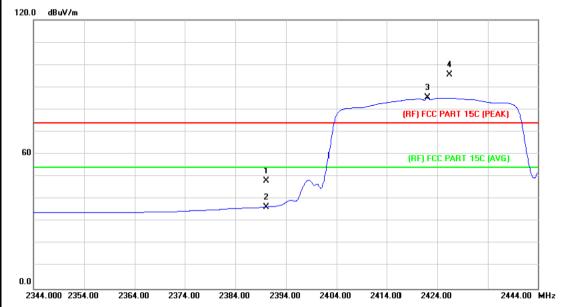


-			Dooding	Correct	Magazira			
No.	Mk.	Freq.	Reading Level	Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	48.68	0.77	49.45	74.00	-24.55	peak
2		2390.000	36.43	0.77	37.20	54.00	-16.80	AVG
3	*	2437.600	83.23	0.98	84.21			AVG
4	Χ	2437.700	93.66	0.98	94.64			peak



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EUT:	Camera	Model:	SPLIT
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ	11	133
Ant. Pol.	Vertical	TO U	
Test Mode:	TX N(HT40) Mode 2422MH	z milipe	Jan Milliam
Remark:	N/A		13 _ 0
400 0 ID III			

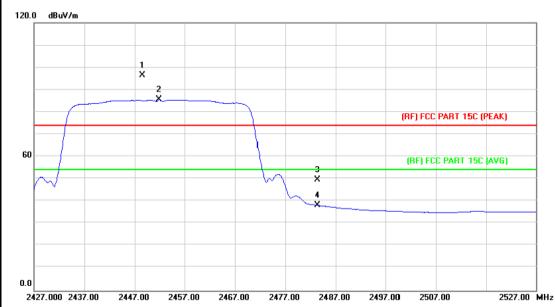


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	47.48	0.77	48.25	74.00	-25.75	peak
2		2390.000	35.72	0.77	36.49	54.00	-17.51	AVG
3	*	2422.000	84.32	0.90	85.22			AVG
4	X	2426.500	94.62	0.93	95.55			peak



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EUT:	Camera	Model:	SPLIT				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ	C 120V/60HZ					
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT40) Mode 2452M	Hz					
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	Χ	2448.600	95.58	1.02	96.60			peak
2	*	2451.900	84.63	1.03	85.66			AVG
3		2483.500	48.40	1.17	49.57	74.00	-24.43	peak
4		2483.500	37.03	1.17	38.20	54.00	-15.80	AVG



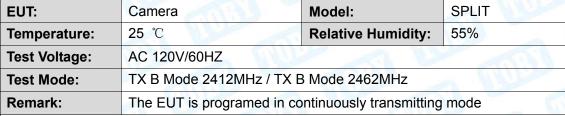
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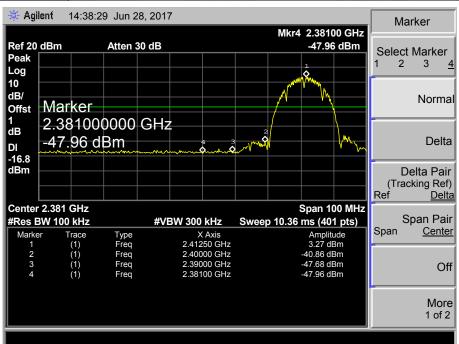
EU1	Γ:		Can	nera		3 W	Mode	el:		SPLIT		
Ten	pera	ture:	25 °	C		33	Relat	ive Hu	midity:	55%	1	
Test Voltage:		AC 120V/60HZ							URS			
Ant	. Pol.		Vert	Vertical							N.	
Tes	t Mod	e:	1XT	N(HT40)	Mod	e 2452M	Hz	11/10		a 1	HAT.	2527.00 MHz Detector peak AVG
Ren	nark:		N/A	AR		1				(OF)		
120.0	dBu∀∕	'm										
					1							
					X 2							
					×							
									(RF) FC	C PART 15C	(PEAK)	_
60												
ьи	$\overline{}$					-	3 3		(RF) F	CC PART 15	C (AVG)	\Box
	~~						~ 4					
							×					
0.0												
L.	27.000 2	2437.00	2447.00	2457.00	2467	7.00 2477.0	00 248	7.00 24	97.00 250	07.00	2527	7.00 MHz
				Readi	na	Correct	Mea	asure-				
No	o. Mk	c. Fr	eq.	Leve		Factor		ent	Limit	Ov	er	
		M			/	dB/m	dB	uV/m	dBuV/ı	m dE	3 [Detecto
		IVII	Ηz	dBu\	7							
1	Y			dBu\				7 08				noak
	X	2461	.200	96.9	1	1.07	9	7.98				
	X *		.200		1		9	7.98 7.55				
1 2 3		2461	.200	96.9	1	1.07	9		74.00	0 -20	.98	AVG

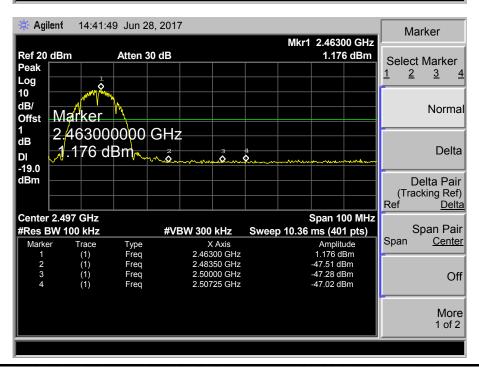


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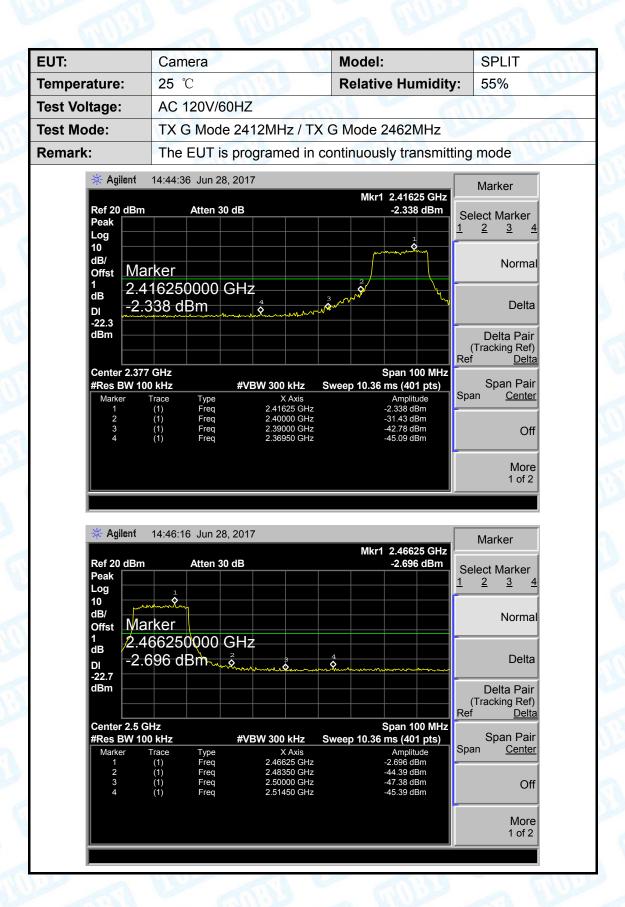








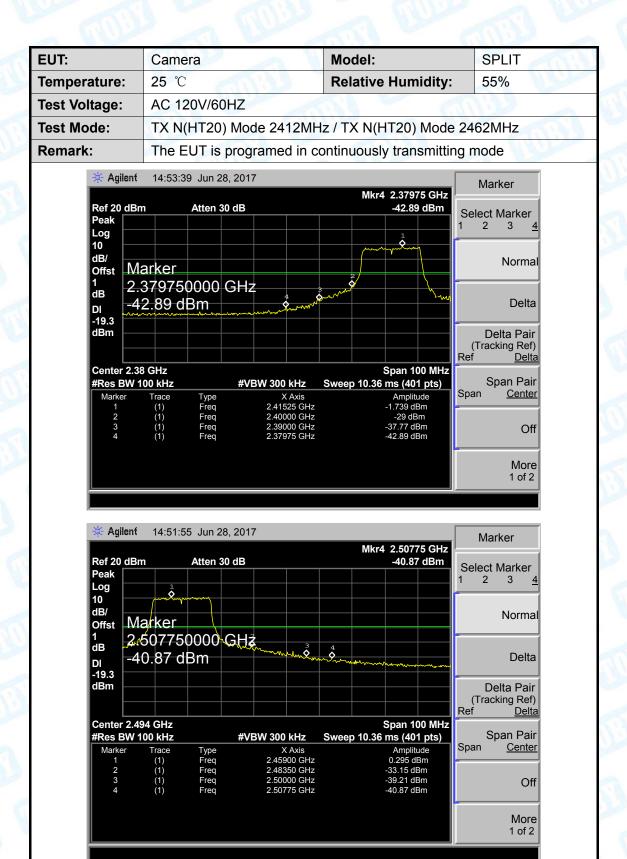
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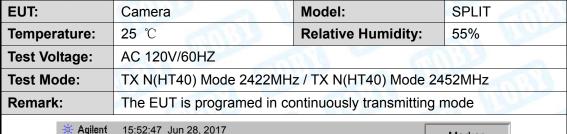
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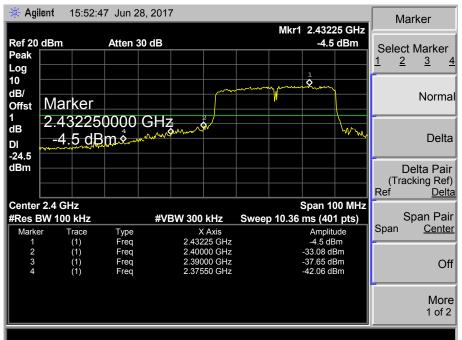






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7. Bandwidth Test

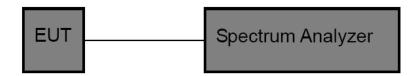
7.1 Test Standard and Limit

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

7.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210					
Test Item	Limit	Frequency Range(MHz)			
Bandwidth	>=500 KHz (6dB bandwidth)	2400~2483.5			

7.2 Test Setup



7.3 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst –case (i.e the widest) bandwidth.
- (3)Measure the channel separation the spectrum analyzer was set to Resolution Bandwidth:100 kHz, and Video Bandwidth:300 kHz, Detector: Peak, Sweep Time set auto.

7.4 EUT Operating Condition

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



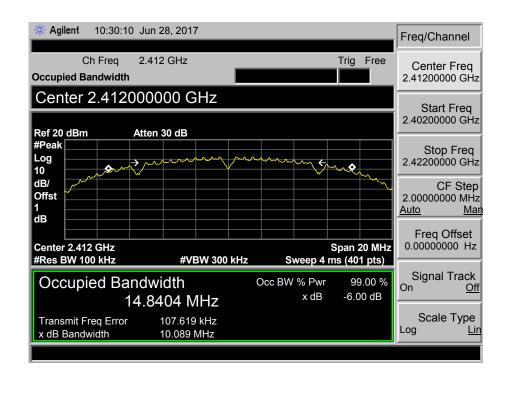
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7.5 Test Data

EUT:	Camera	Model:	SPLIT
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX 802.11B Mode	2 Dillion	0
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)	(MHz)
2412	10.089	14.8404	
2437	9.106	14.7008	>=0.5
2462	10.046	14.7440	
			•

802.11B Mode

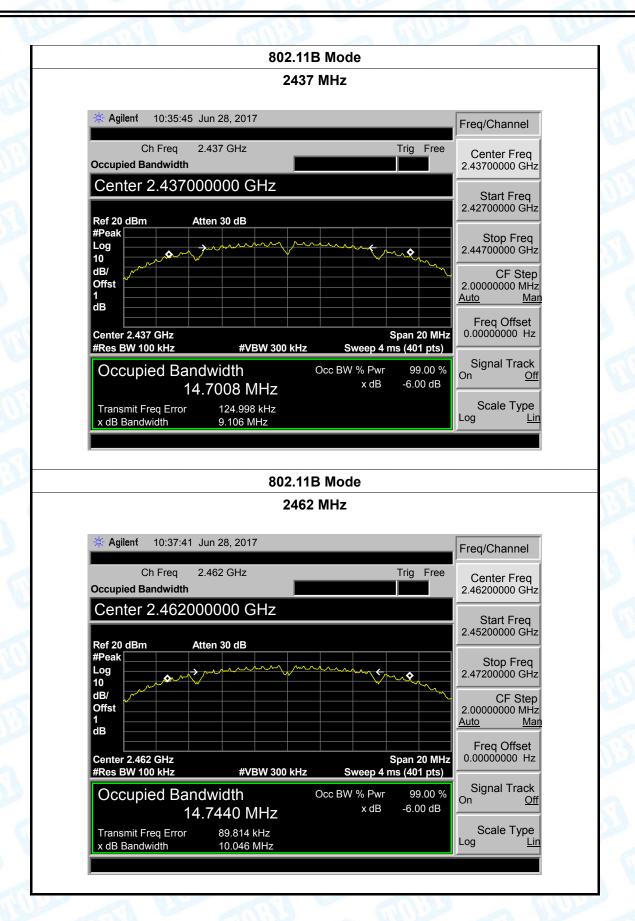
2412 MHz





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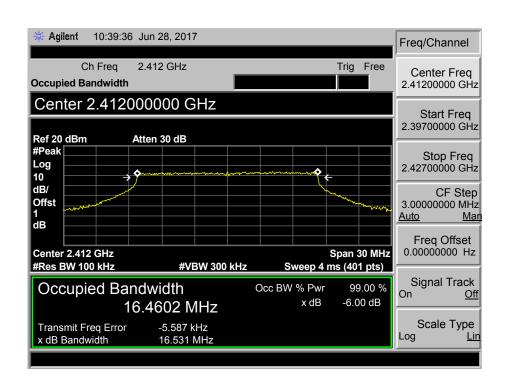






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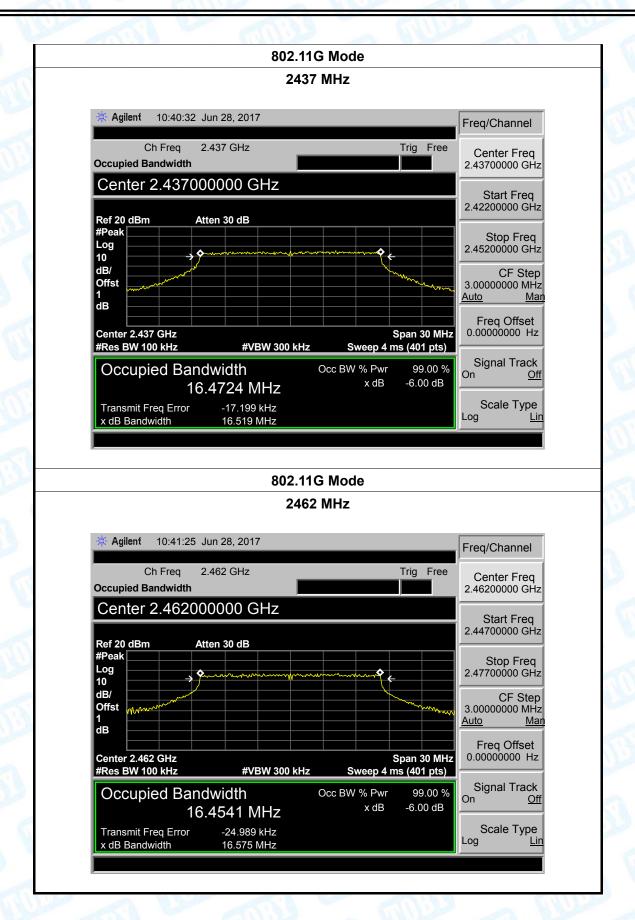
EUT:	Camera	Model:	SPLIT	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60HZ			
Test Mode:	TX 802.11G Mode	U		
Channel frequenc	y 6dB Bandwidth	99% Bandwidth	Limit	
(MHz)	(MHz)	(MHz)	(MHz)	
2412	16.531	16.4602		
2437	16.519	16.4724	>=0.5	
2462	16.575	16.4541		
	802.11G	Mode		
	2412	MHz		





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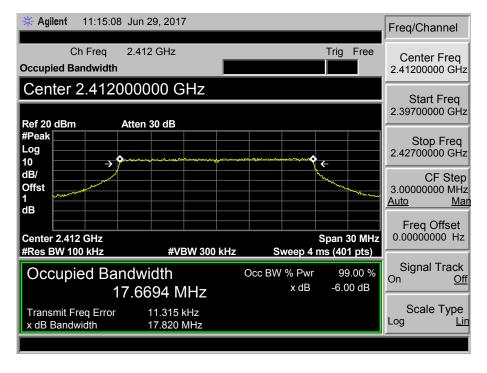






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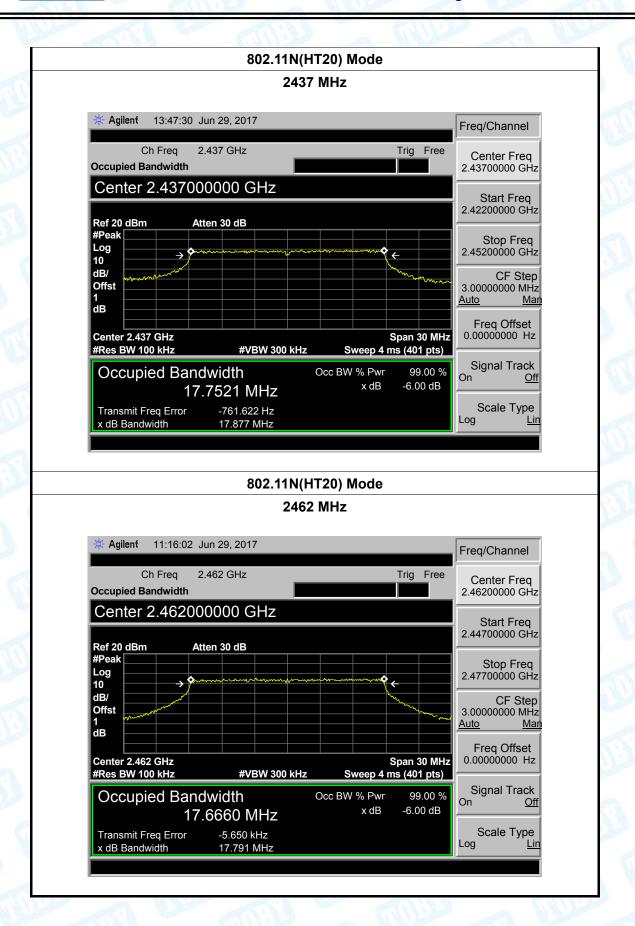
EUT:	Camera	Model:	SPLIT			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ		1133			
Test Mode:	TX 802.11N(HT20) Mo	ode				
Channel frequen	cy 6dB Bandwidth	n 99% Bandwidth	Limit			
(MHz)	(MHz)	(MHz)	(MHz)			
2412	17.820	17.6694				
2437	17.877	17.7521	>=0.5			
2462	17.791	17.6660				
	802.11N	(HT20) Mode				
2412 MHz						





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dB/

Offst 1 dB

Center 2.422 GHz #Res BW 100 kHz

Transmit Freq Error x dB Bandwidth

Occupied Bandwidth

Report No.: TB-FCC154439

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CF Step 6.000000000 MHz <u>Auto Man</u>

Freq Offset 0.00000000 Hz

Signal Track On

Log

Scale Type

Span 60 MHz

99.00 % -6.00 dB

Sweep 6.216 ms (401 pts)

x dB

Occ BW % Pwr

		The same	The state of	
EUT:	Camera	Model:	SPLIT	
Temperature:	25 ℃	Relative Humidity:	55%	
Test Voltage:	AC 120V/60HZ	THU .	1	
Test Mode:	TX 802.11N(HT40) Mode			
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit	
(MHz)	(MHz)	(MHz)	(MHz)	
2422	35.258	36.0586		
2437	36.448	36.0703	>=0.5	
2452	2452 36.508 36.13			
	802.11N(H	Γ40) Mode		
	2422	MHz		
* Agilent	10:54:24 Jun 28, 2017	Fr	eq/Channel	
Occupied Ba	Center Freq 42200000 GHz			
Center 2	Start Freq 39200000 GHz			
#Peak Log		2.	Stop Freq 45200000 GHz	

#VBW 300 kHz

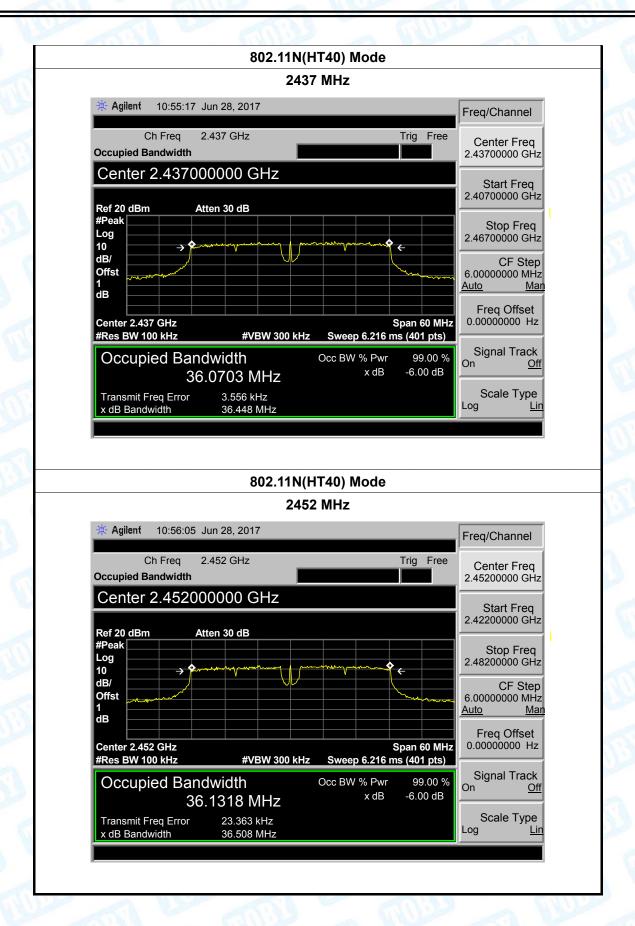
36.0586 MHz

56.068 kHz 35.258 MHz



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8. Peak Output Power Test

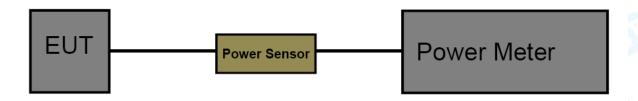
8.1 Test Standard and Limit

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(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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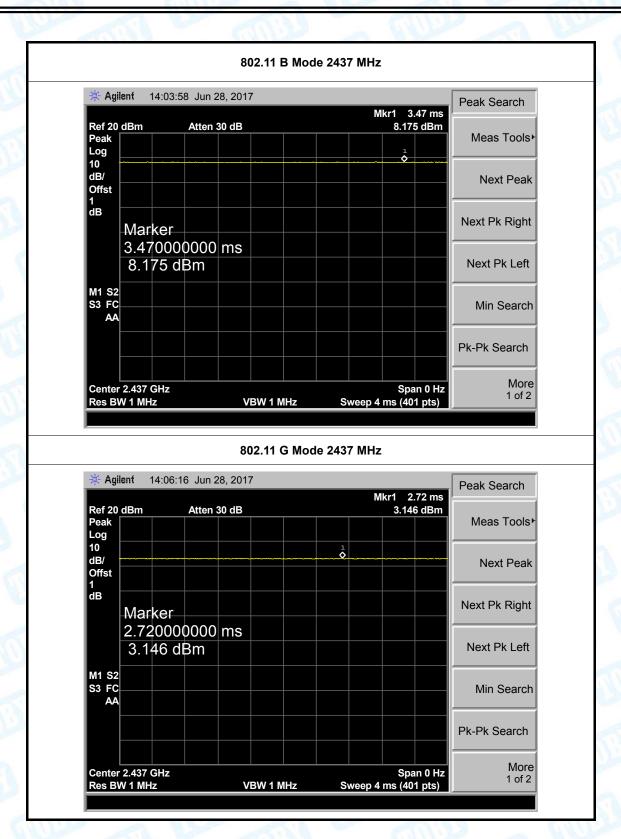
8.5 Test Data

EUT:	Camera	Model:	SPLIT
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
	2412	11.65	
802.11b	2437	12.59	
	2462	11.30	
	2412	10.41	
802.11g	2437	10.05	
	2462	8.65	30
802.11n	2412	6.82	30
(HT20)	2437	7.51	
(11120)	2462	8.52	
802.11n	2422	6.45	
(HT40)	2437	7.03	
(11140)	2452	7.78	
	Resi	ult: PASS	

	Duty Cycle	e
Mode	Channel frequency (MHz)	Test Result
	2412	
802.11b	2437	
	2462	
	2412	
802.11g	2437	
	2462	>000 /
000 44	2412	>98%
802.11n (HT20)	2437	
(11120)	2462	
000 44	2422	
802.11n (HT40)	2437	
(H140)	2452	
ease see belo	w plots	

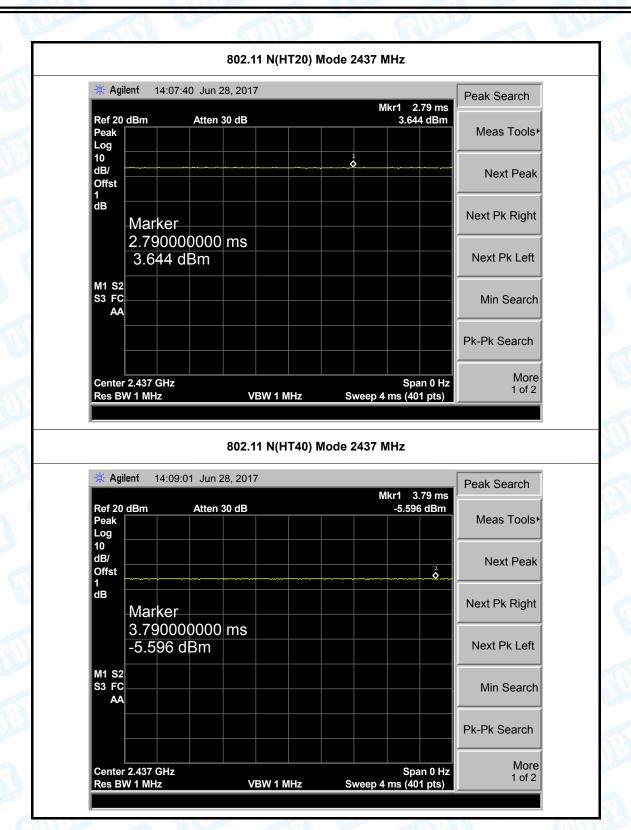


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9. Power Spectral Density Test

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	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

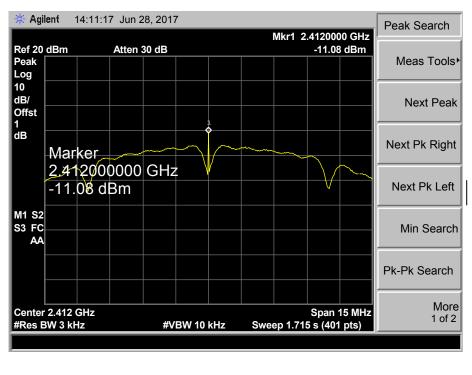
The EUT was set to continuously transmitting in each mode and low, Digital photo framesdle and high channel for the test.



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9.5 Test Data

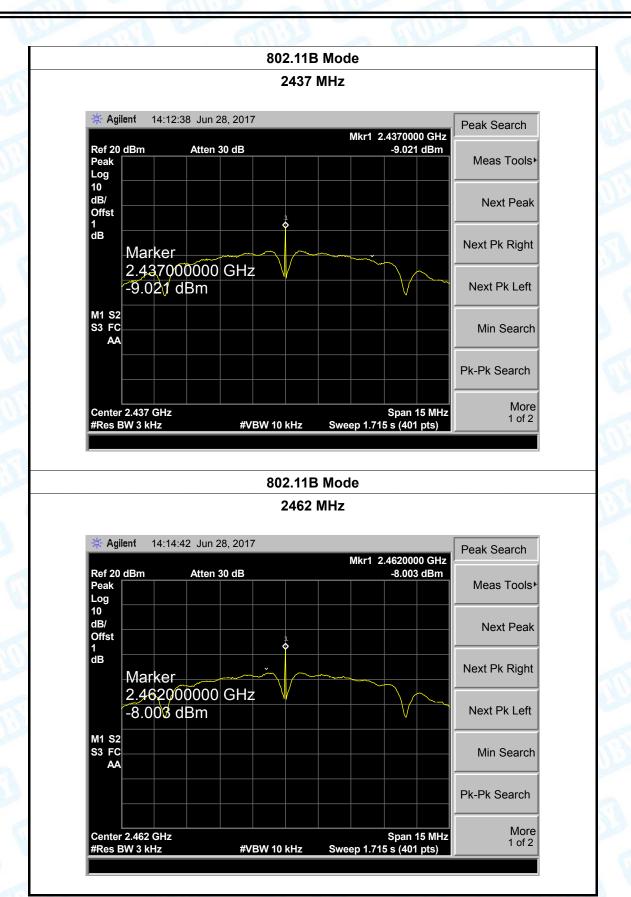
Camera		Model:	SPLIT	
25 ℃		Relative Humidity:	55%	
AC 120V/	60HZ	1000		
TX 802.11	IB Mode	A DIVINE	TO THE PARTY OF	
Channel Frequency		Power Density		
(MHz)		(dBm/3 kHz)		
	-11.080 -9.021		8	
2462 -8.00		03		
	802.11B	Mode		
	25 ℃ AC 120V/ TX 802.1	25 °C AC 120V/60HZ TX 802.11B Mode Jency Power Do (dBm/3) -11.06 -9.02 -8.00	25 °C Relative Humidity: AC 120V/60HZ TX 802.11B Mode Lency Power Density (dBm/3 kHz) -11.080	





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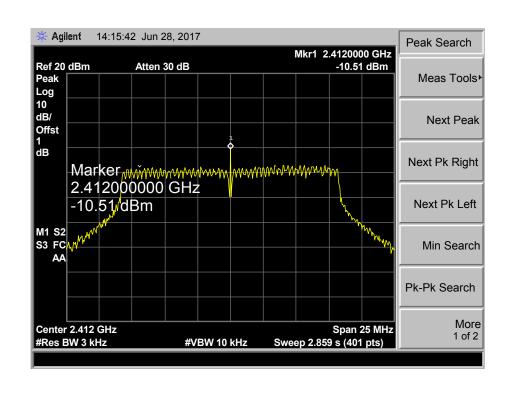


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EUT:	Camera		Model:		SPLIT	
Temperature:	25 ℃		Temperat	ture:	25 ℃	
Test Voltage:	AC 120V	AC 120V/60HZ				
Test Mode:	TX 802.1	TX 802.11G Mode				
Channel Frequency		Powe	er Density		Limit	
/B#11 \		(.15	(0 1 1 1)		(ID)	

Channel Frequency	Power Density	Limit
(MHz)	(dBm/3 kHz)	(dBm)
2412	-10.510	
2437	-8.990	8
2462	-8.163	

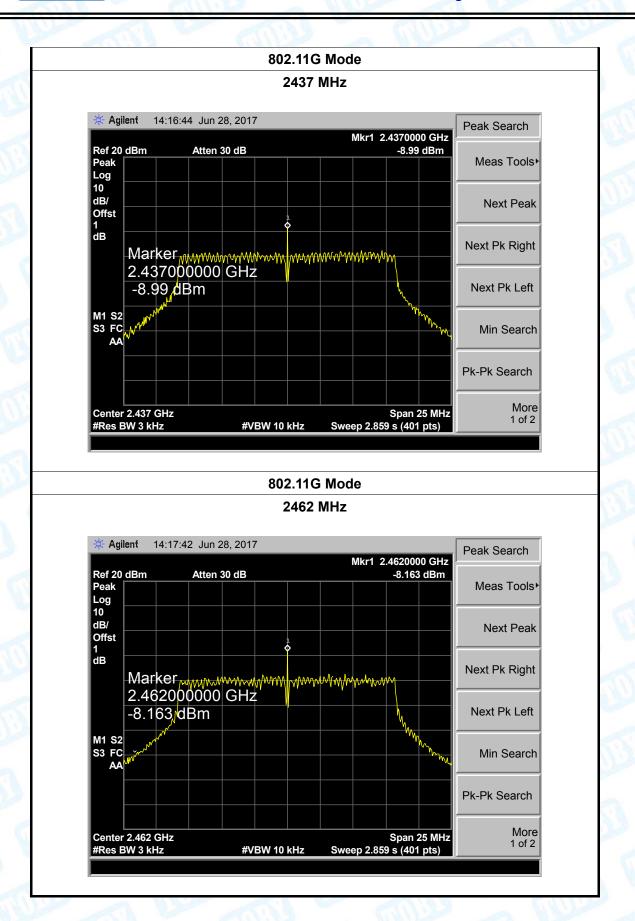
802.11G Mode





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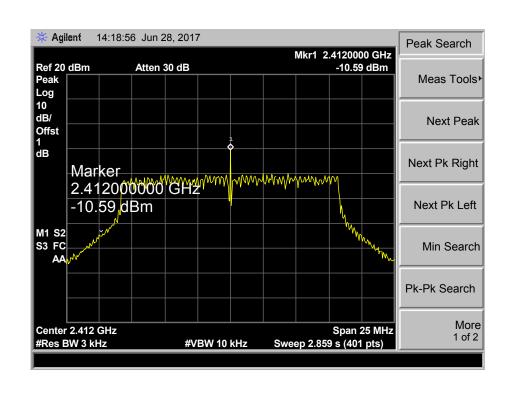
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EUT:	Camera	Model:	SPLIT
Temperature:	25 ℃	Temperature:	25 ℃
Test Voltage:	Test Voltage: AC 120V/60HZ		THE STATE OF THE S

Test Mode: TX 802.11N(HT20) Mode

Channel Frequency	Power Density	Limit
(MHz)	(dBm/3 kHz)	(dBm)
2412	-10.590	
2437	-8.746	8
2462	-7.913	

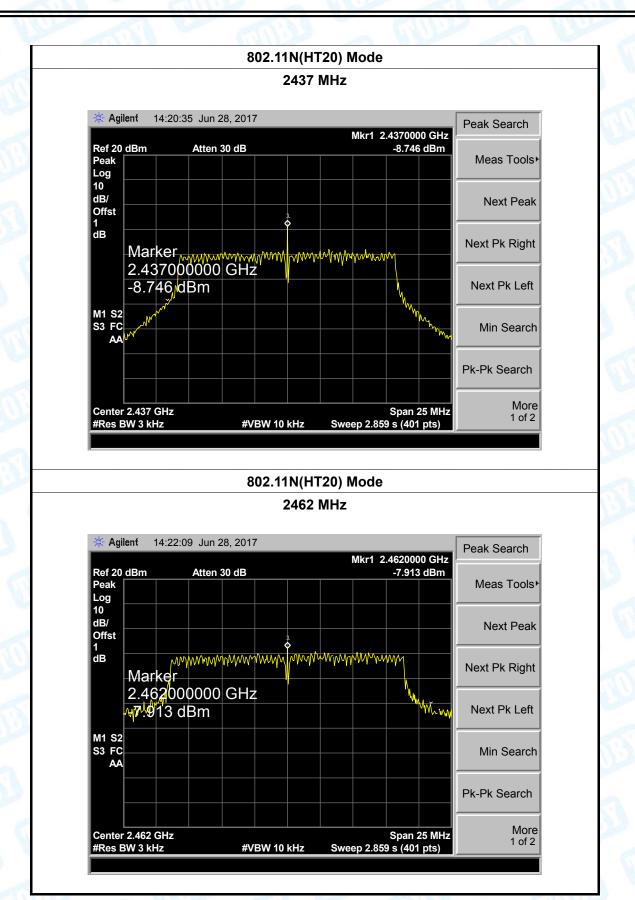
802.11N(HT20) Mode





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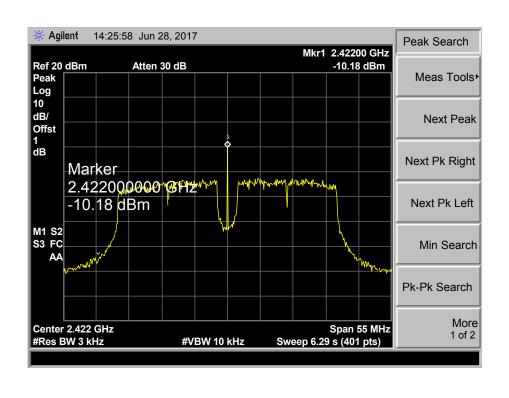


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Channel Frequency		Power Den	•	Limit		
Test Mode:		1N(HT40) Mode	3	III is	0	
Test Voltage:	AC 120V/	AC 120V/60HZ				
Temperature:	25 ℃		Temperature:	25 ℃	183	
EUT:	Camera		Model:	SPLIT		

Channel Frequency	Power Density	Limit
(MHz)	(dBm/3 kHz)	(dBm)
2422	-10.180	
2437	-9.784	8
2452	-8.914	
	•	•

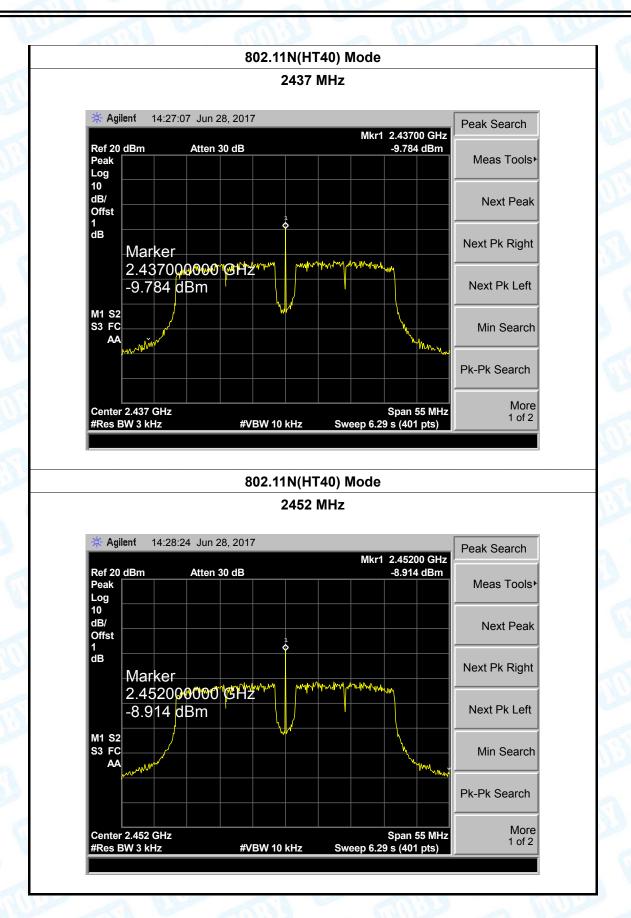
802.11N(HT40) Mode





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10. Antenna Requirement

10.1 Standard Requirement

10.1.1 Standard FCC Part 15.203

10.1.2 Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

10.2 Antenna Connected Construction

The directional gains of the antenna used for transmitting is 2dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

Result

The EUT antenna is a PCB Antenna. It complies with the standard requirement.

Antenna Type		
	Permanent attached antenna	
	⊠Unique connector antenna	
	☐Professional installation antenna	1000

----END OF REPORT----