

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC145683

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FCC Radio Test Report FCC ID: 2AGBA-THE-EGG

Original Grant

Report No. TB-FCC145683

Wasson Technology CO., LTD.(BVI) **Applicant**

Equipment Under Test (EUT)

EUT Name The Egg

Model No. E1

N/A Serial No.

2015-10-09 **Receipt Date**

Test Date 2015-10-12 to 2015-11-05

2015-11-06 **Issue Date**

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

ANSI C63 10: 2013 **Test Method**

Conclusions **PASS**

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

The EUT technically complies with the FCC and IC requirements

Test/Witness Engineer

Approved&

Authorized

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

TB-RF-074-1.0

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1. General Information about EUT

1.1 Client Information

Applicant : Shenzhen Huaruian Technology Co.,Ltd

Address : 4th Floor of Yuxing, Sanwei Science and Technology,

Park, Hangcheng Road, Bao'an District, Shenzhen, China

Manufacturer : Shenzhen Huaruian Technology Co.,Ltd

Address : 4th Floor of Yuxing, Sanwei Science and Technology,

Park, Hangcheng Road, Bao'an District, Shenzhen, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	1	The Egg				
Models No.	1	E1 N/A				
Model Difference	-					
	N.	Operation Frequency 802.11b/g/n: 2412MH BLE: 2402MHz~2480 Bluetooth: 2402MHz~	Hz~2462MHz DMHz ₍₂₎			
	1	Number of Channel:	802.11b/g/n(HT20):11 channels see note(3) 802.11n(HT40):9 channels see note(3)			
Product Description		RF Output Power:	802.11b: 9.19 dBm 802.11g: 9.15 dBm 802.11n (HT20): 9.11 dBm 802.11n (HT40): 9.16 dBm			
		Antenna Gain: Modulation Type:	1.24 dBi (FPC Antenna) 802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g: OFDM 802.11n: OFDM			
		Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps 802.11n:up to 150Mbps			
Power Supply		DC power supplied book DC Voltage supplied				
Power Rating						
Connecting I/O Port(S)	:		Please refer to the User's Manual			



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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 v03r02.

(2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual. The EUT has also been tested and complied the FCC 15C for BLE and Bluetooth function, and recorded in the separate test report.

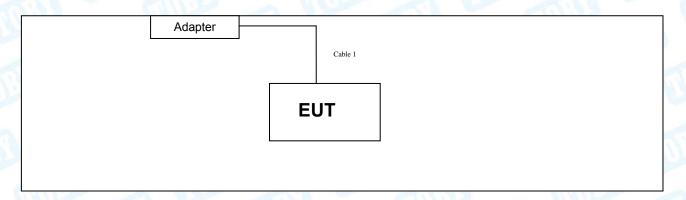
(3) Channel List:

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

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

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

TX Mode



1.4 Description of Support Units

	Equipment Information					
Name	Model	S/N	Manufacturer	Used "√"		
A TOWN		10.77	TULL	J. Brand		
	Cable Information					
Number	Shielded Type	Ferrite Core	Length	Note		
Cable 1	NO	NO	1.0M	Accessory		



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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	AC Charging with TX B Mode			

For Radiated Test					
Final Test Mode Description					
Mode 3 TX Mode B Mode Channel 01/06/11					
Mode 4	TX Mode G Mode Channel 01/06/11				
Mode 5	TX Mode N(HT20) Mode Channel 01/06/11				
Mode 6	TX Mode N(HT40) Mode Channel 03/06/09				

Note:

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

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

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

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

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a portable unit; it was pre-tested on the positioned of each 3 axis, X-plane, Y-plane and Z-plane. The worst case was found positioned on Z-plane as the normal use. Therefore only the test data of this Z-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.



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Test Software Version		MP Tool Test.exe	The state of the
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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1.7 Test Facility

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

CNAS (L5813)

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

FCC List No.: (811562)

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

IC Registration No.: (11950A-1)

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

May 22, 2014 certificated by TUV Rheinland(China) Co., Ltd. with TUV certificate No.: UA 50282953 0001 and report No.: 17026822 002. The certificate is valid until the next scheduled audit or up to 18 months, at the discretion of TUV Rhineland.



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2. Test Summary

	FCC Par	t 15 Subpart C(15.247)/RSS 247	Issue 1	
Standa	rd Section	Took House	Tuelana (A)	Damarila
FCC	IC Test Item		Judgment	Remark
15.203	1	Antenna Requirement	PASS	N/A
15.207	RSS-GEN 7.2.4	Conducted Emission	PASS	N/A
15.205	RSS-GEN 7.2.2	Restricted Bands	PASS	N/A
15.247(a)(2)	RSS 247 5.2 (1)	6dB Bandwidth	PASS	N/A
15.247(b)	RSS 247 5.4 (4)	Peak Output Power	PASS	N/A
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	PASS	N/A
15.247(d)	RSS 247 5.5	Transmitter Radiated Spurious Emission	PASS	N/A

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

N/A is an abbreviation for Not Applicable.



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3. Test Equipment

AC Main C	onducted Emis	sion			
Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	ROHDE& SCHWARZ	ESCI	100321	Aug. 07, 2015	Aug. 06, 2016
50ΩCoaxial Switch	Anritsu	MP59B	X10321	Aug. 07, 2015	Aug. 06, 2016
L.I.S.N	Rohde & Schwarz	ENV216	101131	Aug. 07, 2015	Aug. 06, 2016
L.I.S.N	SCHWARZBECK	NNBL 8226-2	8226-2/164	Aug. 07, 2015	Aug. 06, 2016
Radiation \$	Spurious Emiss	ion			
Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Aug. 29, 2015	Aug. 28, 2016
EMI Test Receiver	Rohde & Schwarz	ESCI	100010/007	Aug. 07, 2015	Aug. 06, 2016
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar. 28, 2015	Mar. 27, 2016
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar. 28, 2015	Mar. 27, 2016
Pre-amplifier	Sonoma	310N	185903	Mar. 28, 2015	Mar. 27, 2016
Pre-amplifier	HP	8447B	3008A00849	Mar. 28, 2015	Mar. 27, 2016
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar. 28, 2015	Mar. 27, 2016
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna C	onducted Emis	sion			
Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Aug. 29, 2015	Aug. 28, 2016
EMI Test Receiver	Rohde & Schwarz	ESCI	100010/007	Aug. 07, 2015	Aug. 06, 2016
Power Meter	Anritsu	ML2495A	25406005	Aug. 07, 2015	Aug. 06, 2016
		1.72.70			



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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

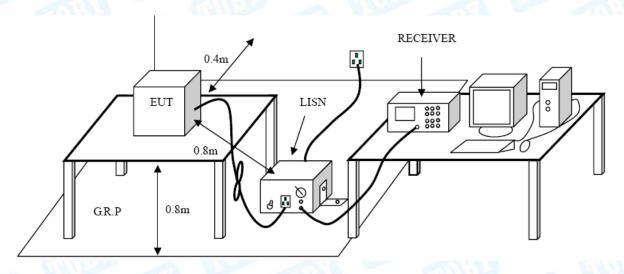
Conducted Emission Test Limit

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

Notes:

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

4.2 Test Setup



4.3 Test Procedure

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

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.



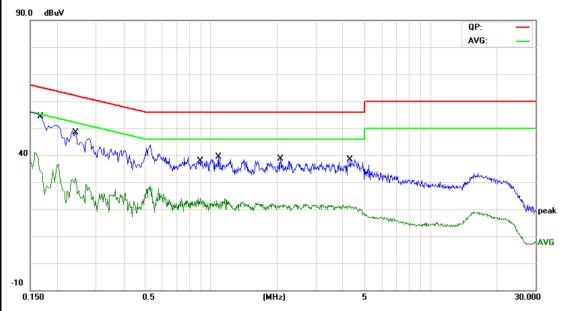
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UT:		The Egg		Model Name :			E1	
emper	ature:	25 ℃	Mill I	Relative Humidity:			55%	
est Vol	tage:	AC 120V/60)Hz	District of		G	TI DE	
ermina								
est Mo	de:	AC Chargin	g with TX E	3 Mode	THE	9	5 W	
Remark	:	Only worse	case is rep	orted		1	180	
90.0 dB	uV	_						
							QP: AVG:	
_								
-								
~~	T	×						
40	" WY WA	WALL MAN	مريعها إريديهما للطمية يماري	ANNINA MANANTAN	more by the same		, X.	M.
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								VL AV
-10 0.150		0.5		MHz)	5			30.000
0.130			<u>'</u>		3			30.000
No. N	∕lk. Fred	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comme
1	0.366	0 25.87	10.02	35.89	58.59	-22.70	QP	
2	0.366	0 15.45	10.02	25.47	48.59	-23.12	AVG	
3 *	0.514	0 30.72	10.03	40.75	56.00	-15.25	QP	
4	0.514	0 20.38	10.03	30.41	46.00	-15.59	AVG	
5	0.734	0 21.59	10.11	31.70	56.00	-24.30	QP	
6	0.734	0 10.99	10.11	21.10	46.00	-24.90	AVG	
7	1.882	0 20.63	10.06	30.69	56.00	-25.31	QP	
8	1.882	0 10.95	10.06	21.01	46.00	-24.99	AVG	
9	2.698	0 20.20	10.04	30.24	56.00	-25.76	QP	
10	2.698	0 10.46	10.04	20.50	46.00	-25.50	AVG	
	15.966	0 19.03	10.24	29.27	60.00	-30.73	QP	
11	15.300							



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EUT:	The Egg	Model Name :	E1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Terminal:	Neutral	7773	THE				
Test Mode:	AC Charging with TX B	Mode					
Remark:	Only worse case is reported						
90.0 dBuV							



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1685	32.90	10.12	43.02	65.03	-22.01	QP	
2		0.1685	17.25	10.12	27.37	55.03	-27.66	AVG	
3	*	0.2420	30.18	10.11	40.29	62.02	-21.73	QP	
4		0.2420	15.73	10.11	25.84	52.02	-26.18	AVG	
5		0.8900	21.67	10.11	31.78	56.00	-24.22	QP	
6		0.8900	11.39	10.11	21.50	46.00	-24.50	AVG	
7		1.0820	20.39	10.15	30.54	56.00	-25.46	QP	
8		1.0820	10.21	10.15	20.36	46.00	-25.64	AVG	
9		2.0700	20.44	10.06	30.50	56.00	-25.50	QP	
10		2.0700	9.66	10.06	19.72	46.00	-26.28	AVG	
11		4.2940	18.52	10.06	28.58	56.00	-27.42	QP	
12		4.2940	9.17	10.06	19.23	46.00	-26.77	AVG	

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



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EUT:	Th	ne Egg	Control of the Contro	Model I	Name :		E1	
Temperature	: 25	5 ℃		Relative	e Humid	lity:	55%	
Test Voltage:	: A	C 240V/60H	Hz		BATT			A Property
Terminal:	Li	ne				(11)	USE	
Test Mode:	A	C Charging	with TX B	Mode		1 6		MIN.
Remark:	0	nly worse c	ase is rep	orted	عراا	7	a V	A Laboratory
90.0 dBuV							O.D.	
							QP: AVG:	_
40 ************************************	na And	Muran	رىن يا≪ىسىدان					
	JAN. AN	, MA, J. J. J.	A later of Mylassac	r formundst brandstrivally	Mother	MANAMANA	Managan Andrews	
MARIA	Julyan I	Internation	MANUAL JAN	$\Delta \Delta \Delta$			Merry	Application of the same of the
W W "	W	- Au	May Ay	7 7 7 7	ps production	Mary mary source of the second	personal personal de la company de la compan	peak
							Mary	AVG
-10 0.150		0.5	(MI	Hzì	5			30.000
	_	Reading	Correct	Measure-	l inni4	0		
No. Mk.	Freq.	Reading Level	Correct Factor	ment	Limit	Over	B. ()	
	MHz	Reading Level	Correct Factor	ment dBuV	dBuV	dB	Detector	Commen
1 (MHz 0.2260	Reading Level dBuV 32.77	Correct Factor dB	ment dBuV 42.79	dBuV 62.59	dB -19.80	QP	Commen
1 2	MHz 0.2260 0.2260	Reading Level dBuV 32.77 19.53	Correct Factor dB 10.02	ment dBuV 42.79 29.55	dBuV 62.59 52.59	dB -19.80 -23.04	QP AVG	Commen
1 2 3	MHz 0.2260 0.2260 0.2700	Reading Level dBuV 32.77 19.53 31.59	Correct Factor dB 10.02 10.02	ment dBuV 42.79 29.55 41.61	dBuV 62.59 52.59 61.12	dB -19.80 -23.04 -19.51	QP AVG QP	Commen
1 2 3 4	MHz 0.2260 0.2260 0.2700 0.2700	Reading Level dBuV 32.77 19.53 31.59 18.64	Correct Factor dB 10.02 10.02 10.02	ment dBuV 42.79 29.55 41.61 28.66	dBuV 62.59 52.59 61.12	dB -19.80 -23.04 -19.51 -22.46	QP AVG QP AVG	Commen
1 2 3 4 5 * (MHz 0.2260 0.2260 0.2700 0.2700 0.5380	Reading Level dBuV 32.77 19.53 31.59 18.64 32.81	Correct Factor dB 10.02 10.02 10.02 10.02	ment dBuV 42.79 29.55 41.61 28.66 42.85	dBuV 62.59 52.59 61.12 51.12	dB -19.80 -23.04 -19.51 -22.46 -13.15	QP AVG QP AVG QP	Commen
1 2 3 4 5 *	MHz 0.2260 0.2260 0.2700 0.2700 0.5380 0.5380	Reading Level dBuV 32.77 19.53 31.59 18.64 32.81 21.25	Correct Factor dB 10.02 10.02 10.02 10.02 10.04 10.04	ment dBuV 42.79 29.55 41.61 28.66 42.85 31.29	dBuV 62.59 52.59 61.12 51.12 56.00 46.00	dB -19.80 -23.04 -19.51 -22.46 -13.15 -14.71	QP AVG QP AVG QP AVG	Commen
1 2 3 4 5 * 6 7	MHz 0.2260 0.2260 0.2700 0.2700 0.5380 0.5380 0.7820	Reading Level dBuV 32.77 19.53 31.59 18.64 32.81 21.25 26.51	Correct Factor dB 10.02 10.02 10.02 10.02 10.04 10.04 10.10	ment dBuV 42.79 29.55 41.61 28.66 42.85 31.29 36.61	dBuV 62.59 52.59 61.12 51.12 56.00 46.00	dB -19.80 -23.04 -19.51 -22.46 -13.15 -14.71 -19.39	QP AVG QP AVG QP AVG QP	Commen
1 2 3 4 5 * 6 7	MHz 0.2260 0.2260 0.2700 0.2700 0.5380 0.5380 0.7820	Reading Level dBuV 32.77 19.53 31.59 18.64 32.81 21.25	Correct Factor dB 10.02 10.02 10.02 10.02 10.04 10.04	ment dBuV 42.79 29.55 41.61 28.66 42.85 31.29 36.61 24.89	dBuV 62.59 52.59 61.12 51.12 56.00 46.00	dB -19.80 -23.04 -19.51 -22.46 -13.15 -14.71 -19.39	QP AVG QP AVG QP AVG	Commen
1 2 3 4 5 * 6 7	MHz 0.2260 0.2260 0.2700 0.2700 0.5380 0.5380 0.7820	Reading Level dBuV 32.77 19.53 31.59 18.64 32.81 21.25 26.51	Correct Factor dB 10.02 10.02 10.02 10.02 10.04 10.04 10.10	ment dBuV 42.79 29.55 41.61 28.66 42.85 31.29 36.61	dBuV 62.59 52.59 61.12 51.12 56.00 46.00	dB -19.80 -23.04 -19.51 -22.46 -13.15 -14.71 -19.39 -21.11	QP AVG QP AVG QP AVG QP	Commen
1 2 3 4 5 * 6 7 8 9	MHz 0.2260 0.2260 0.2700 0.2700 0.5380 0.5380 0.7820	Reading Level dBuV 32.77 19.53 31.59 18.64 32.81 21.25 26.51 14.79	Correct Factor dB 10.02 10.02 10.02 10.04 10.04 10.10	ment dBuV 42.79 29.55 41.61 28.66 42.85 31.29 36.61 24.89	dBuV 62.59 52.59 61.12 51.12 56.00 46.00 46.00	dB -19.80 -23.04 -19.51 -22.46 -13.15 -14.71 -19.39 -21.11 -20.74	QP AVG QP AVG QP AVG QP AVG	Commer

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

3.0420

3.0420

11

12

Emission Level= Read Level+ Correct Factor

21.03

8.94

10.03

10.03

31.06

18.97

QP

AVG

56.00 -24.94

46.00 -27.03



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EUT:		The Egg		Model N	lame :	4	E1			
Tempe	erature:	25 ℃		Relative	Humic	dity:	55%	600		
Test V	/oltage:	AC 240V	//60Hz		BHI.	A STATE OF THE PARTY OF THE PAR	-	A STATE OF		
Termi	nal:	Neutral	Neutral							
Test N	/lode:	AC Char	AC Charging with TX B Mode							
Rema	rk:	Only wor	se case is re	ported	Mark			N. San		
90.0 d	lBuV						QP:			
							AVG:			
-										
-										
	1X									
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		r y	No.		haller, medite	the the same of the	with the same and			
								MAVG		
								AVG		
-10								AVG		
-10 0.150		0.5		(MHz)	5			30.000		
					5					
0.150	Mk. Fr	0.5 Readi	ng Correct		5 Limit	Over				
0.150		Readi	ng Correct el Factor	Measure-		Over dB	Detector			
0.150		Readi eq. Leve	ng Correct Factor	Measure- ment	Limit	dB	Detector QP	30.000		
0.150 No.	M	Readi eq. Leve Hz dBu\	ng Correct Factor dB 6 10.10	Measure- ment dBuV 39.16	Limit	dB -21.96		30.000		
0.150 No.	MI 0.27	Readi eq. Leve Hz dBu\ 700 29.00	ng Correct Factor dB 6 10.10 7 10.10	Measure- ment dBuV 39.16	Limit dBuV 61.12	dB -21.96 -26.15	QP	30.000		
0.150 No.	0.27 0.27	Readi Leve Hz dBu\ 700 29.00 700 14.8 420 30.5	ng Correct Factor dB 10.10 10.10 10.02	Measure- ment dBuV 39.16 24.97 40.60	Limit dBuV 61.12 51.12	dB -21.96 -26.15 -15.40	QP AVG	30.000		
No. 1 2 3	0.27 0.27 * 0.54	Readi Leve Hz dBu\ 700 29.00 700 14.8 120 30.50	ng Correct Factor dB 6 10.10 7 10.10 8 10.02 6 10.02	Measure- ment dBuV 39.16 24.97 40.60 28.28	Limit dBuV 61.12 51.12 56.00	dB -21.96 -26.15 -15.40 -17.72	QP AVG QP	30.000		
0.150 No. 1 2 3 4	* 0.54	Readi Leve Hz dBuv 700 29.00 700 14.8 420 30.5 420 18.20 900 26.00	ng Correct Factor / dB 6 10.10 7 10.10 8 10.02 6 10.02 0 10.06	Measure- ment dBuV 39.16 24.97 40.60 28.28 36.06	Limit dBuV 61.12 51.12 56.00 46.00	dB -21.96 -26.15 -15.40 -17.72 -19.94	QP AVG QP AVG	30.000		
0.150 No. 1 2 3 4 5	* 0.54 0.79	Readi Leve Hz dBuV 700 29.00 700 14.8 120 30.5 120 18.20 900 26.00	ng Correct Factor / dB 6 10.10 7 10.10 8 10.02 6 10.02 0 10.06 8 10.06	Measure- ment dBuV 39.16 24.97 40.60 28.28 36.06	Limit dBuV 61.12 51.12 56.00 46.00 56.00	dB -21.96 -26.15 -15.40 -17.72 -19.94 -21.96	QP AVG QP AVG QP	30.000		
0.150 No. 1 2 3 4 5 6	* 0.54 0.79 0.79	Readi Leve Hz dBuV 700 29.00 700 14.8 420 30.5 420 18.20 900 26.00 900 13.9 220 24.2	ng Correct Factor dB 10.10 10.10 10.02 10.06 10.06 10.06 10.06	Measure- ment dBuV 39.16 24.97 40.60 28.28 36.06 24.04 34.41	Limit dBuV 61.12 51.12 56.00 46.00 46.00	dB -21.96 -26.15 -15.40 -17.72 -19.94 -21.96 -21.59	QP AVG QP AVG QP AVG	30.000		
No. 1 2 3 4 5 6 7	* 0.54 0.79 0.79 0.79	Readi Leve Hz dBuV 700 29.00 700 14.8 420 30.5 420 18.20 900 26.00 900 13.9 220 24.20 220 12.8	ng Correct Factor / dB 6 10.10 7 10.10 8 10.02 6 10.06 8 10.06 8 10.13 10.13	Measure- ment dBuV 39.16 24.97 40.60 28.28 36.06 24.04 34.41	Limit dBuV 61.12 51.12 56.00 46.00 56.00 46.00	dB -21.96 -26.15 -15.40 -17.72 -19.94 -21.96 -21.59 -23.04	QP AVG QP AVG QP AVG QP	30.000		
0.150 No. 1 2 3 4 5 6 7 8	* 0.54 0.79 0.79 0.79 1.32	Readi Leve Hz dBuv 700 29.00 700 14.8 420 30.5 420 18.20 900 26.00 900 13.9 220 24.2 220 12.8 300 24.1	ng Correct Factor / dB 6 10.10 7 10.10 8 10.02 6 10.06 8 10.13 3 10.13 8 10.08	Measure- ment dBuV 39.16 24.97 40.60 28.28 36.06 24.04 34.41 22.96 34.26	Limit dBuV 61.12 51.12 56.00 46.00 56.00 46.00 46.00	dB -21.96 -26.15 -15.40 -17.72 -19.94 -21.96 -21.59 -23.04 -21.74	QP AVG QP AVG QP AVG QP AVG	30.000		
0.150 No. 1 2 3 4 5 6 7 8 9	* 0.54 0.79 0.79 0.79 1.32 1.83	Readi Leve Hz dBuV 700 29.00 700 14.8 420 30.5 420 18.20 900 26.00 900 13.9 220 24.20 220 12.8 300 24.1 300 13.1	ng Correct Factor / dB 6 10.10 7 10.10 8 10.02 0 10.06 8 10.13 3 10.13 8 10.08 0 10.08	Measure- ment dBuV 39.16 24.97 40.60 28.28 36.06 24.04 34.41 22.96 34.26 23.18	Limit dBuV 61.12 51.12 56.00 46.00 56.00 46.00 56.00 46.00	dB -21.96 -26.15 -15.40 -17.72 -19.94 -21.96 -21.59 -23.04 -21.74 -22.82	QP AVG QP AVG QP AVG QP AVG	30.000		

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

Emission Level= Read Level+ Correct Factor



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5. Radiated Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard FCC Part 15.209

5.1.2 Test Limit

Radiated Emission Limits (9kHz~1000MHz)

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

Radiated Emission Limit (Above 1000MHz)

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

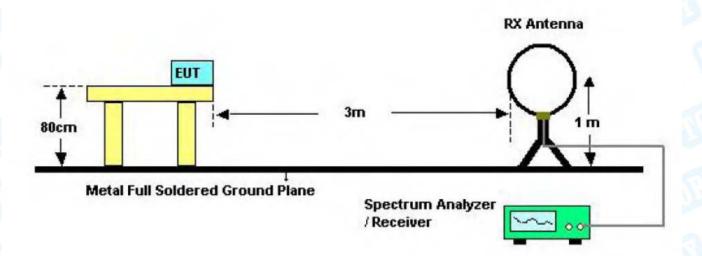
Note:

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

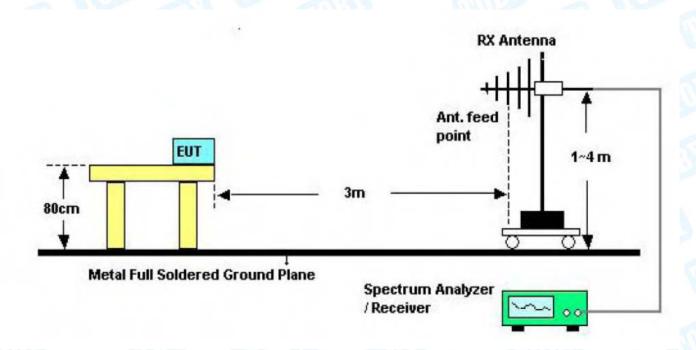


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5.2 Test Setup



Below 30MHz Test Setup

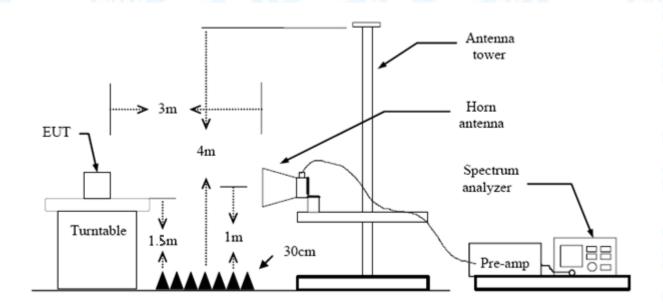


Below 1000MHz Test Setup

TORY

Report No.: TB-FCC145683

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Above 1GHz Test Setup

5.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (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.



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5.4 EUT Operating Condition

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

5.5 Test Data

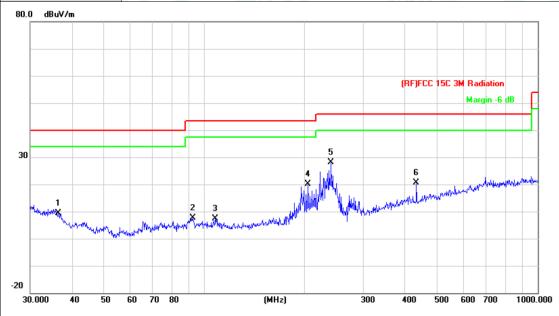
Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Test data please refer the following pages.



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EUT:	The Egg	Model:	E1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal						
Test Mode:	TX B Mode 2412MHz						
Remark:	Only worse case is repor	Only worse case is reported					
80.0 dRuV/m							



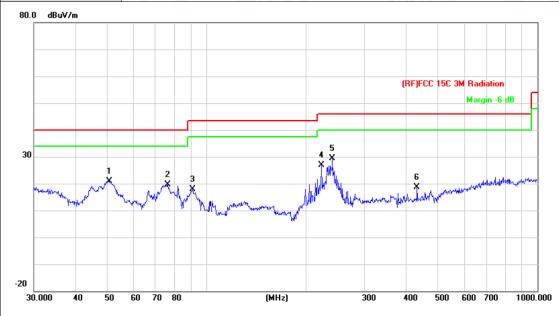
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		36.3813	27.39	-17.91	9.48	40.00	-30.52	peak
2		92.1388	30.12	-22.50	7.62	43.50	-35.88	peak
3		107.8876	29.28	-21.86	7.42	43.50	-36.08	peak
4		204.2375	40.36	-20.20	20.16	43.50	-23.34	peak
5	*	239.9874	46.79	-18.59	28.20	46.00	-17.80	peak
6		432.5457	33.41	-12.78	20.63	46.00	-25.37	peak

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



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EUT:	The Egg	Model:	E1		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz		THE STATE OF		
Ant. Pol.	Vertical				
Test Mode:	TX B Mode 2412MHz				
Remark:	Only worse case is repor	ted			



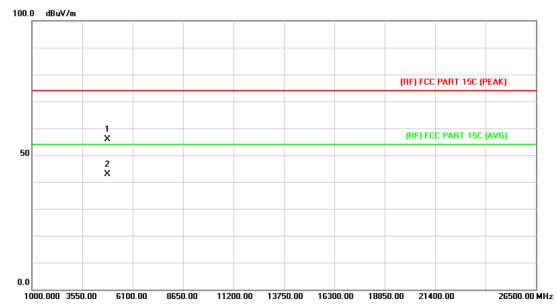
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		50.7637	45.37	-24.41	20.96	40.00	-19.04	peak
2		76.2442	43.07	-23.41	19.66	40.00	-20.34	peak
3		90.5374	40.46	-22.65	17.81	43.50	-25.69	peak
4		222.1698	46.27	-19.43	26.84	46.00	-19.16	peak
5	*	239.9874	47.94	-18.59	29.35	46.00	-16.65	peak
6		432.5457	31.37	-12.78	18.59	46.00	-27.41	peak

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



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EUT:	The Egg	Model:	E1		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz		THE STATE OF		
Ant. Pol.	Horizontal				
Test Mode:	TX B Mode 2412MHz				
Remark:	No report for the emission which more than 10 dB below the				
	prescribed limit.	2 m 13			

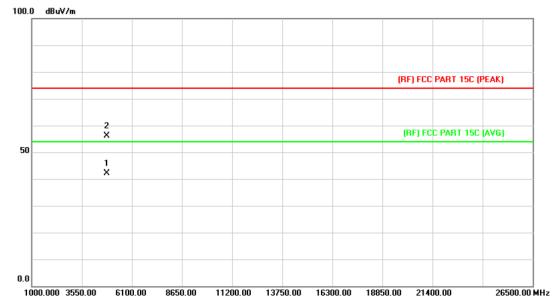


N	lo. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.859	42.36	13.56	55.92	74.00	-18.08	peak
2	*	4824.282	29.40	13.56	42.96	54.00	-11.04	AVG



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EUT:	The Egg	Model:	E1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	(1) L	THE STATE OF				
Ant. Pol.	Vertical						
Test Mode:	TX B Mode 2412MHz		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.	2 m 13					



No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4822.560	28.67	13.55	42.22	54.00	-11.78	AVG
2		4822.680	42.59	13.55	56.14	74.00	-17.86	peak



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EUT:	The Egg	Model:	E1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	01					
Ant. Pol.	Horizontal						
Test Mode:	TX B Mode 2437MHz						
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.	~ N3					

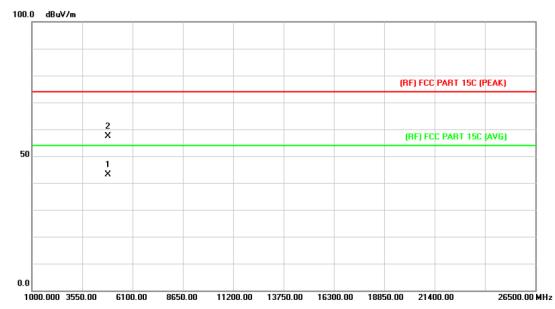


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.908	29.16	13.86	43.02	54.00	-10.98	AVG
2		4874.162	40.97	13.86	54.83	74.00	-19.17	peak



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EUT:	The Egg	Model:	E1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		THE
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2437MF	łz	
Remark:	No report for the emprescribed limit.	nission which more than 10	dB below the

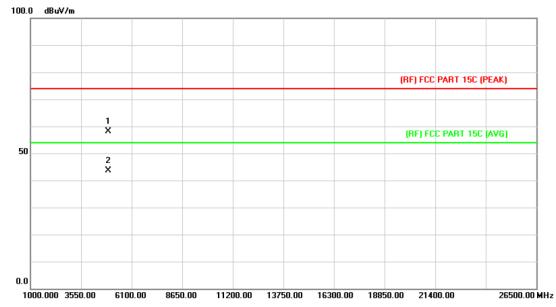


N	o.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	k	4873.664	29.16	13.86	43.02	54.00	-10.98	AVG
2			4874.239	43.45	13.86	57.31	74.00	-16.69	peak



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EUT:	The Egg	Model:	E1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		an is
Ant. Pol.	Horizontal	U	
Test Mode:	TX B Mode 2462MHz		THE REAL PROPERTY OF
Remark:	No report for the emissi prescribed limit.	on which more than 10	dB below the

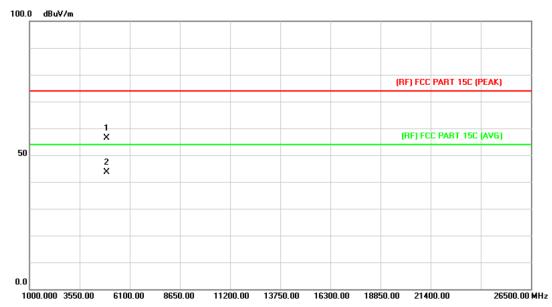


N	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.810	43.93	14.15	58.08	74.00	-15.92	peak
2	*	4924.328	29.41	14.15	43.56	54.00	-10.44	AVG



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EUT:	The Egg	Model:	E1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	(1) T					
Ant. Pol.	Vertical						
Test Mode:	TX B Mode 2462MHz						
Remark:							



No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.942	42.20	14.15	56.35	74.00	-17.65	peak
2	*	4924.153	29.40	14.15	43.55	54.00	-10.45	AVG



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EUT:	The Egg	Model:	E1					
Temperature:	25 ℃	25 °C Relative Humidity: 55%						
Test Voltage:	AC 120V/60Hz		THE STATE OF					
Ant. Pol.	Horizontal	U.						
Test Mode:	TX G Mode 2412MHz							
Remark:	No report for the emission	No report for the emission which more than 10 dB below the						
	prescribed limit.							

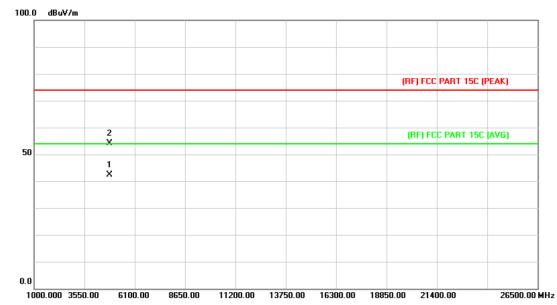


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.051	41.13	13.56	54.69	74.00	-19.31	peak
2	*	4824.133	28.84	13.56	42.40	54.00	-11.60	AVG



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EUT:	The Egg	Model:	E1					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Vertical							
Test Mode:	TX G Mode 2412MHz							
Remark:	No report for the emission	No report for the emission which more than 10 dB below the						
	prescribed limit.							

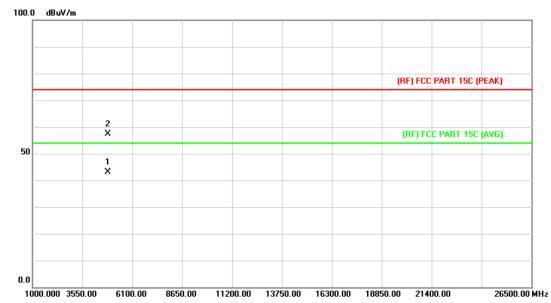


N	o. I	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	•	4824.057	28.82	13.56	42.38	54.00	-11.62	AVG
2			4824.209	40.63	13.56	54.19	74.00	-19.81	peak



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EUT:	The Egg	Model:	E1					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Horizontal							
Test Mode:	TX G Mode 2437MHz							
Remark:	No report for the emission	No report for the emission which more than 10 dB below the						
	prescribed limit.							

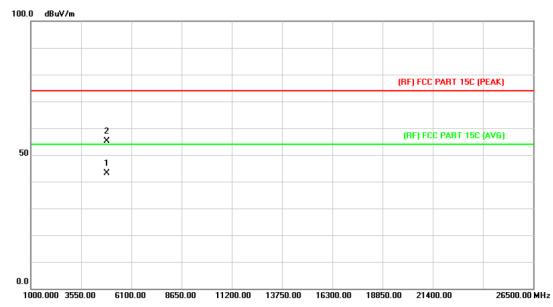


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.690	29.21	13.86	43.07	54.00	-10.93	AVG
2		4874.096	43.58	13.86	57.44	74.00	-16.56	peak



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EUT:	The Egg	Model:	E1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX G Mode 2437MHz		The same of the sa				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the					
	prescribed limit.	2 m 13					

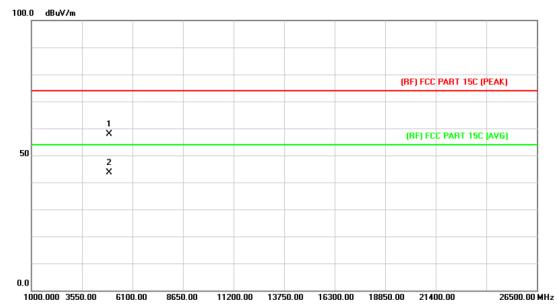


١	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4873.765				54.00	-10.92	AVG
2			4873.883	41.18	13.86	55.04	74.00	-18.96	peak



Page: 33 of 89

EUT:	The Egg	Model:	E1					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Horizontal	Horizontal						
Test Mode:	TX G Mode 2462MHz							
Remark: No report for the emission which more than 10 dB below the prescribed limit.								

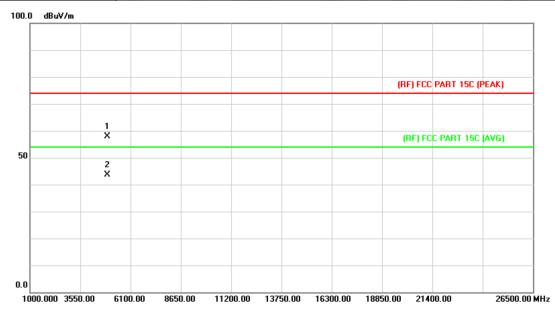


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.643	43.67	14.15	57.82	74.00	-16.18	peak
2	*	4924.163	29.40	14.15	43.55	54.00	-10.45	AVG



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EUT:	The Egg	Model:	E1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX G Mode 2462MHz		THE RESERVE				
Remark: No report for the emission which more than 10 dB below the prescribed limit.							

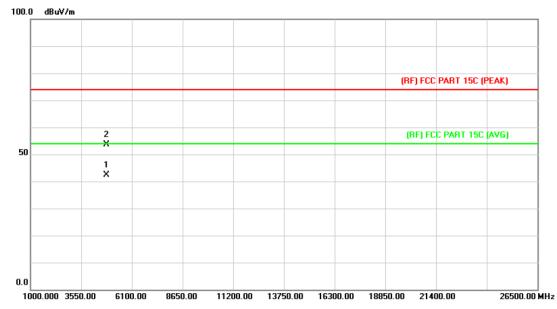


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.936	43.61	14.15	57.76	74.00	-16.24	peak
2	*	4924.037	29.41	14.15	43.56	54.00	-10.44	AVG



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EUT:	The Egg	Model:	E1					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Horizontal	Horizontal						
Test Mode:	TX N(HT20) Mode 2412	MHz						
Remark: No report for the emission which more than 10 dB below the prescribed limit.								

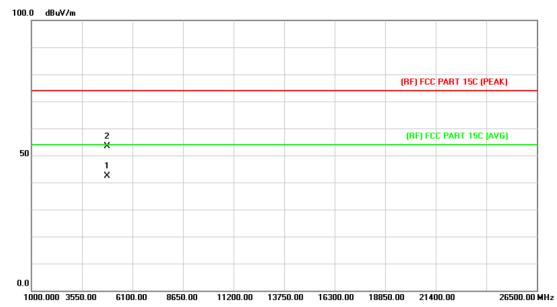


No	. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.756	28.83	13.56	42.39	54.00	-11.61	AVG
2		4824.417	40.12	13.56	53.68	74.00	-20.32	peak



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EUT:	The Egg	Model:	E1		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage: AC 120V/60Hz					
Ant. Pol. Vertical					
Test Mode: TX N(HT20) Mode 2412MHz					
Remark: No report for the emission which more than 10 dB be			dB below the		
prescribed limit.					

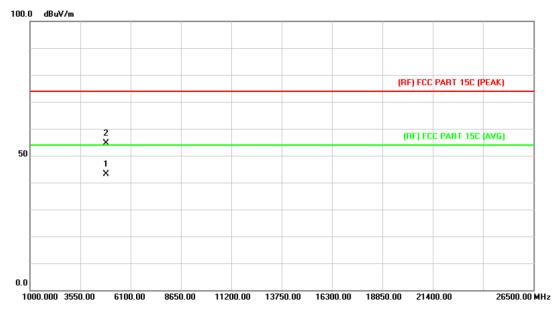


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.103	28.82	13.56	42.38	54.00	-11.62	AVG
2		4824.269	39.91	13.56	53.47	74.00	-20.53	peak



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EUT:	The Egg	Model:	E1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 24	TX N(HT20) Mode 2437MHz					
Remark:	No report for the emis	No report for the emission which more than 10 dB below the					

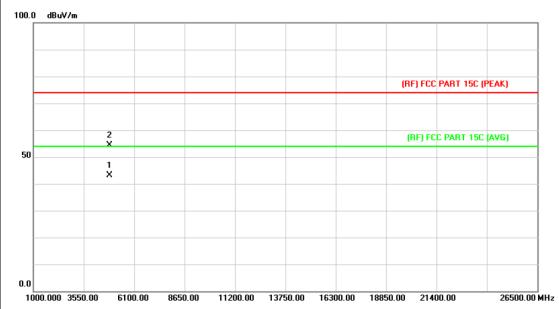


N	o. M	k. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.887	29.25	13.86	43.11	54.00	-10.89	AVG
2		4874.024	40.79	13.86	54.65	74.00	-19.35	peak



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EUT:	The Egg	Model:	E1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	011				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT20) Mode 2437N	TX N(HT20) Mode 2437MHz				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.	13 m				
Ĭ						

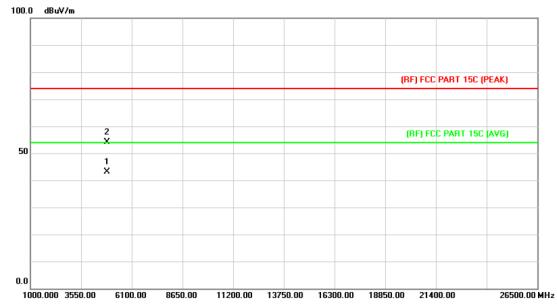


No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.762			43.09	54.00	-10.91	AVG
2		4873.968	40.63	13.86	54.49	74.00	-19.51	peak



Page: 39 of 89

EUT:	The Egg	Model:	E1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 2462	MHz					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						
100.0 40.374							

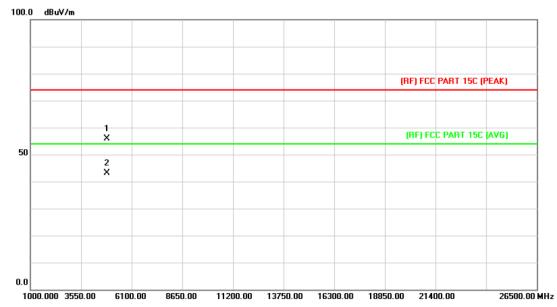


No	o. Mk	. Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.759	29.22	13.86	43.08	54.00	-10.92	AVG
2		4873.879	40.15	13.86	54.01	74.00	-19.99	peak



Page: 40 of 89

EUT:	The Egg	Model:	E1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical					
Test Mode:	TX N(HT20) Mode 2462MHz					
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					
	presented innit.					

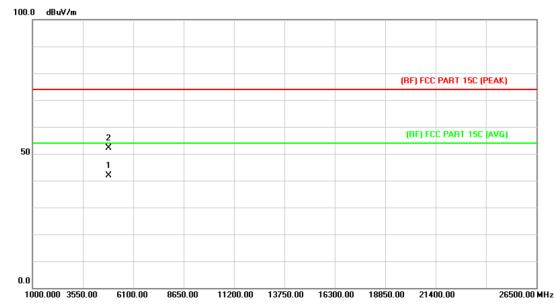


No	. Mk	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.862	42.06	13.86	55.92	74.00	-18.08	peak
2	*	4874.071	29.24	13.86	43.10	54.00	-10.90	AVG



Page: 41 of 89

EUT:	The Egg	Model:	E1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX N(HT40) Mode 2422	MHz				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

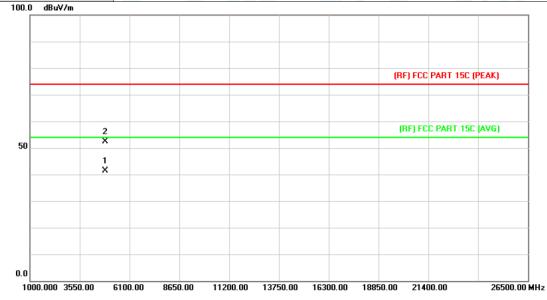


N	lo. Mł	k. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4843.764	28.21	13.68	41.89	54.00	-12.11	AVG
2		4844.424	38.45	13.68	52.13	74.00	-21.87	peak



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EUT:	The Egg	Model:	E1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX N(HT40) Mode 2422	ИНz	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.						
100.0 dBuV/m							

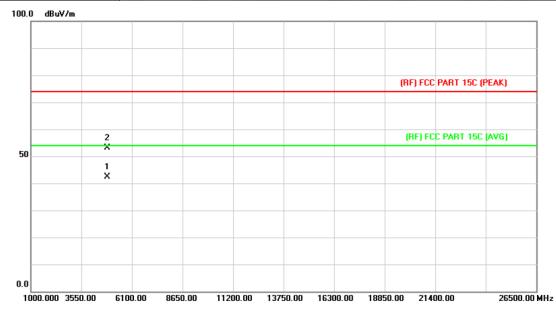


No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4844.241	27.59	13.68	41.27	54.00	-12.73	AVG
2		4844.248	38.65	13.68	52.33	74.00	-21.67	peak



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EUT:	The Egg	Model:	E1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX N(HT40) Mode 2437I	MHz	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.					

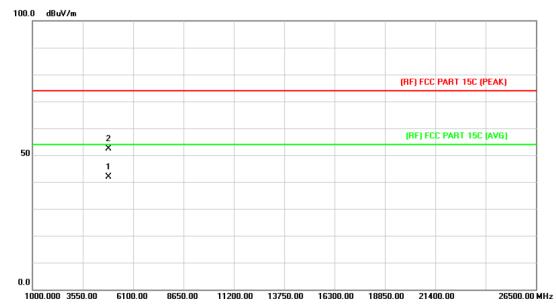


٨	10.	Mk.	Freq.		Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4873.658	28.44	13.86	42.30	54.00	-11.70	AVG
2			4874.417	39.36	13.86	53.22	74.00	-20.78	peak



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EUT:	The Egg	Model:	E1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	01	THE STATE OF			
Ant. Pol.	Vertical					
Test Mode:	TX N(HT40) Mode 2437N	ИНz				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

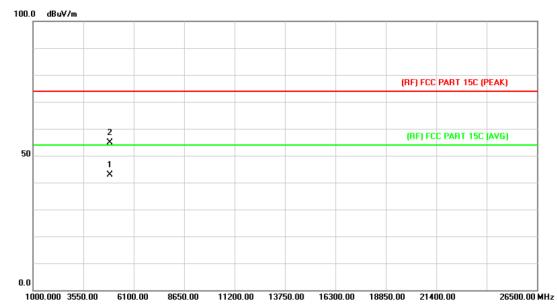


No	. Mk	c. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.627	28.12	13.86	41.98	54.00	-12.02	AVG
2		4874.357	38.57	13.86	52.43	74.00	-21.57	peak



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EUT:	The Egg	Model:	E1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz	131	THE STATE OF			
Ant. Pol.	Horizontal					
Test Mode:	TX N(HT40) Mode 2452	MHz				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

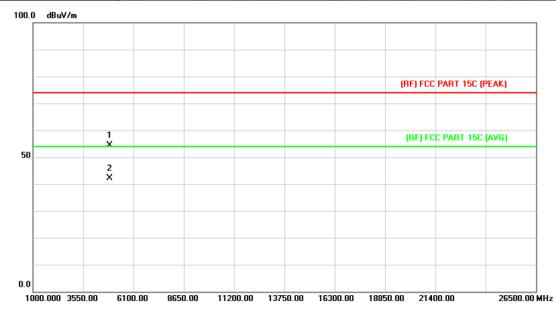


N	lo. N	1k.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4	4903.584	28.86	14.03	42.89	54.00	-11.11	AVG
2		4	4904.392	40.73	14.03	54.76	74.00	-19.24	peak



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EUT:	The Egg	Model:	E1		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz	011			
Ant. Pol.	Vertical				
Test Mode:	TX N(HT40) Mode 2452M	lHz			
Remark:	No report for the emission which more than 10 dB below the				
	prescribed limit.	- N 13			
i					



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4904.368	40.23	14.03	54.26	74.00	-19.74	peak
2	*	4904.459	28.13	14.03	42.16	54.00	-11.84	AVG



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6. Restricted Bands Requirement

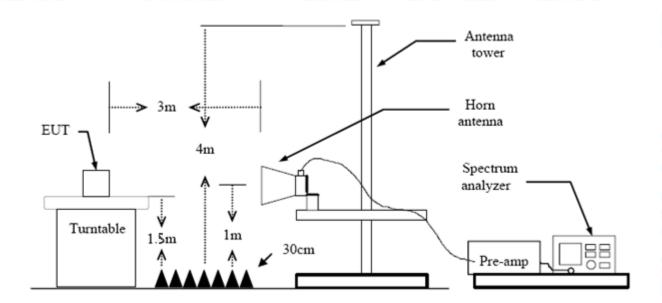
6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.209 FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Class B (dBuV/m)(at 3 M)			
Band (MHz)	Peak	Average		
2310 ~2390	74	54		
2483.5 ~2500	74	54		

6.2 Test Setup



6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.



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(4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

6.4 EUT Operating Condition

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

6.5 Test Data

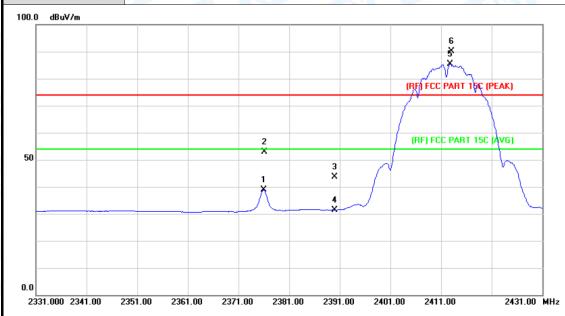
Please see the next page.



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(1) Radiation Test

EUT:	The Egg	Model:	E1
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	The same of the sa	
Ant. Pol.	Horizontal		A HILL
Test Mode:	TX B Mode 2412MHz		133
Remark:	N/A		

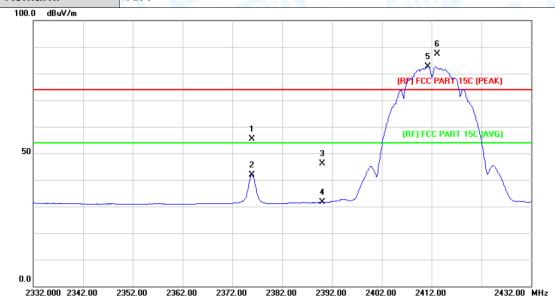


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2376.000	38.18	0.70	38.88	54.00	-15.12	AVG
2		2376.200	52.15	0.71	52.86	74.00	-21.14	peak
3		2390.000	42.93	0.77	43.70	74.00	-30.30	peak
4		2390.000	30.71	0.77	31.48	54.00	-22.52	AVG
5	*	2412.800	84.51	0.86	85.37	Fundamenta	al Frequency	AVG
6	Χ	2413.100	89.22	0.86	90.08	Fundamenta	al Frequency	peak



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	EUT:	The Egg	Model:	E1
}	Temperature:	25 ℃	Relative Humidity:	55%
	Test Voltage:	AC 120V/60Hz	(1) T	
	Ant. Pol.	Vertical		
	Test Mode:	TX B Mode 2412MHz		
	Remark:	N/A		(1)
	100.0 dBuV/m			

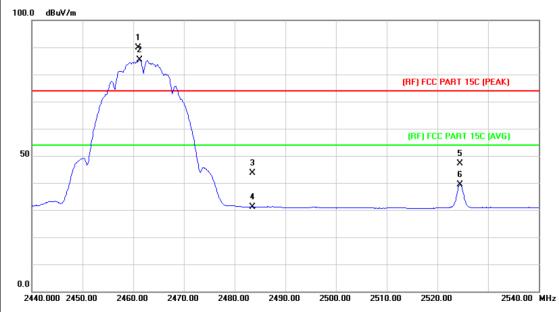


No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2375.900	54.62	0.70	55.32	74.00	-18.68	peak
2		2375.900	41.28	0.70	41.98	54.00	-12.02	AVG
3		2390.000	45.48	0.77	46.25	74.00	-27.75	peak
4		2390.000	30.82	0.77	31.59	54.00	-22.41	AVG
5	*	2411.300	81.85	0.86	82.71	Fundamenta	l Frequency	AVG
6	Χ	2413.100	86.47	0.86	87.33	Fundamenta	I Frequency	peak



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EUT:	The Egg	Model:	E1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		THE STATE OF
Ant. Pol.	Horizontal	U.	
Test Mode:	TX B Mode 2462MHz		
Remark:	N/A		1:13

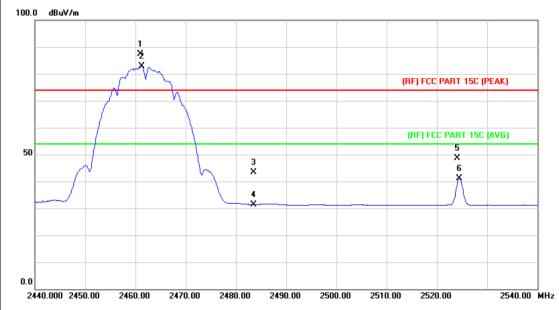


No.	. Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2461.000	88.80	1.06	89.86	Fundamenta	al Frequency	peak
2	*	2461.300	84.24	1.07	85.31	Fundamenta	al Frequency	AVG
3		2483.500	42.36	1.17	43.53	74.00	-30.47	peak
4		2483.500	29.88	1.17	31.05	54.00	-22.95	AVG
5		2524.400	45.75	1.38	47.13	74.00	-26.87	peak
6		2524.500	37.93	1.38	39.31	54.00	-14.69	AVG



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EUT:	The Egg	Model:	E1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	01 - 6	THE STATE OF
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2462MHz		THE PARTY OF THE P
Remark:	N/A		1:13

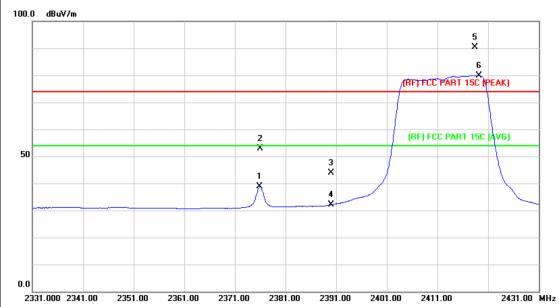


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2461.000	86.38	1.06	87.44	Fundamenta	I Frequency	peak
2	*	2461.300	81.74	1.07	82.81	Fundamenta	I Frequency	AVG
3		2483.500	42.22	1.17	43.39	74.00	-30.61	peak
4		2483.500	30.24	1.17	31.41	54.00	-22.59	AVG
5		2524.100	47.25	1.38	48.63	74.00	-25.37	peak
6		2524.500	39.78	1.38	41.16	54.00	-12.84	AVG



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	EUT:	The Egg	Model:	E1					
	Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage: AC 120V/60Hz									
ì	Ant. Pol.	Horizontal							
	Test Mode:	TX G Mode 2412MHz	TX G Mode 2412MHz						
	Remark:	N/A							

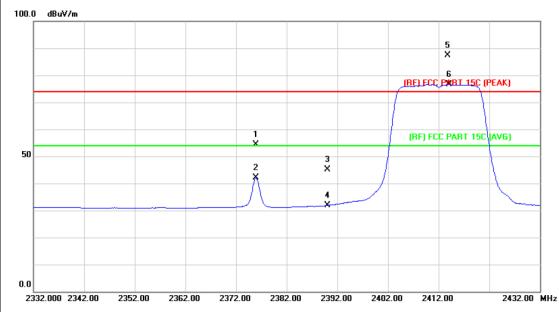


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2375.900	38.17	0.70	38.87	54.00	-15.13	AVG
2		2376.000	52.16	0.70	52.86	74.00	-21.14	peak
3		2390.000	43.21	0.77	43.98	74.00	-30.02	peak
4		2390.000	31.27	0.77	32.04	54.00	-21.96	AVG
5	Χ	2418.400	89.46	0.89	90.35	Fundamenta	I Frequency	peak
6	*	2419.200	79.06	0.89	79.95	Fundamenta	l Frequency	AVG



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i	EUT:	The Egg	Model:	E1		
	Temperature:	25 ℃	Relative Humidity:	55%		
	Test Voltage:	AC 120V/60Hz	01 - 6	THE STATE OF		
Ant. Pol. Vertical						
	Test Mode: TX G Mode 2412MHz					
	Remark:	N/A				

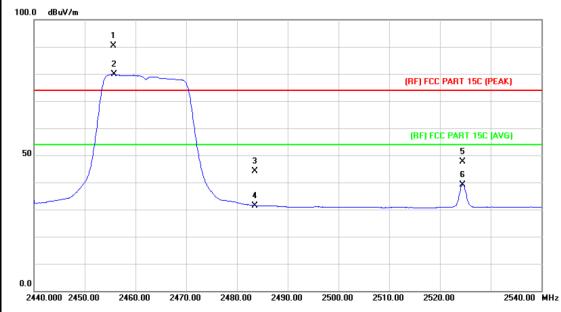


No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2375.900	53.68	0.70	54.38	74.00	-19.62	peak
2		2375.900	41.39	0.70	42.09	54.00	-11.91	AVG
3		2390.000	44.28	0.77	45.05	74.00	-28.95	peak
4		2390.000	31.12	0.77	31.89	54.00	-22.11	AVG
5	Χ	2413.800	86.55	0.86	87.41	Fundamenta	I Frequency	peak
6	*	2414.100	75.82	0.87	76.69	Fundamenta	l Frequency	AVG



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١	EUT:	The Egg	Model:	E1
	Temperature:	25 ℃	Relative Humidity:	55%
	Test Voltage:	AC 120V/60Hz	01 - 6	
	Ant. Pol.	Horizontal		
	Test Mode:	TX G Mode 2462MHz		The same of the sa
	Remark:	N/A		(1) T

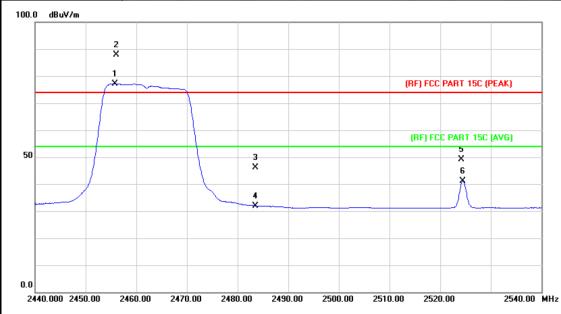


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2455.700	89.39	1.05	90.44	Fundamental Frequency		peak
2	*	2455.800	78.73	1.05	79.78	Fundamental	Frequency	AVG
3		2483.500	42.84	1.17	44.01	74.00	-29.99	peak
4		2483.500	30.33	1.17	31.50	54.00	-22.50	AVG
5		2524.500	46.30	1.38	47.68	74.00	-26.32	peak
6		2524.500	37.87	1.38	39.25	54.00	-14.75	AVG



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EUT:	The Egg	Model:	E1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz	131	Miles of
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		1:33
	-		

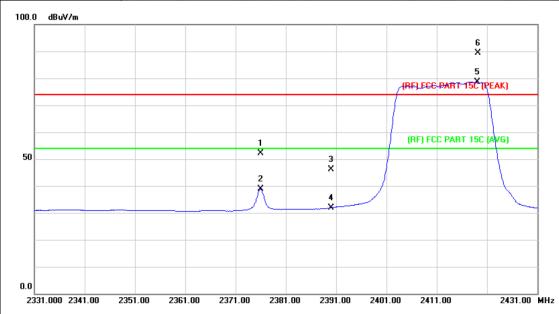


N	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2455.800	76.16	1.05	77.21	Fundamental	Frequency	AVG
2	Х	2456.000	86.73	1.05	87.78	Fundamental	Frequency	peak
3		2483.500	44.94	1.17	46.11	74.00	-27.89	peak
4		2483.500	30.79	1.17	31.96	54.00	-22.04	AVG
5		2524.200	47.77	1.38	49.15	74.00	-24.85	peak
6		2524.500	39.69	1.38	41.07	54.00	-12.93	AVG



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EUT:	The Egg	Model:	E1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT20) Mode 2412	TX N(HT20) Mode 2412MHz					
Remark:	N/A		(1:35				
	-						

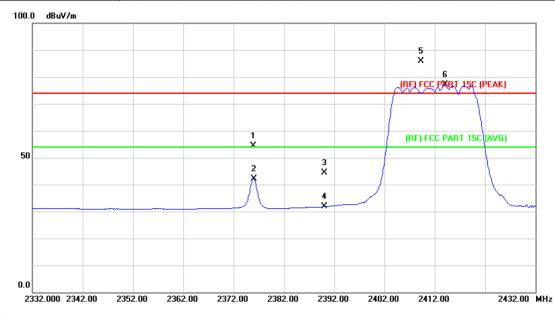


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2376.000	51.54	0.70	52.24	74.00	-21.76	peak
2		2376.000	38.10	0.70	38.80	54.00	-15.20	AVG
3		2390.000	45.34	0.77	46.11	74.00	-27.89	peak
4		2390.000	31.15	0.77	31.92	54.00	-22.08	AVG
5	*	2419.100	77.72	0.89	78.61	Fundamental	Frequency	AVG
6	Χ	2419.200	88.61	0.89	89.50	Fundamenta	l Frequency	peak



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i,	EUT:	The Egg	Model:	E1			
	Temperature:	25 ℃	Relative Humidity:	55%			
	Test Voltage:	AC 120V/60Hz					
Ì	Ant. Pol.	Vertical					
	Test Mode:	TX N(HT20) Mode 2412MHz					
	Remark:	N/A	The same				

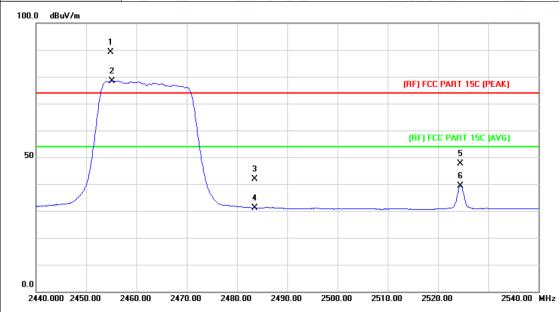


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2375.900	53.71	0.70	54.41	74.00	-19.59	peak
2		2376.000	41.52	0.70	42.22	54.00	-11.78	AVG
3		2390.000	43.53	0.77	44.30	74.00	-29.70	peak
4		2390.000	31.05	0.77	31.82	54.00	-22.18	AVG
5	Χ	2409.300	84.91	0.85	85.76	Fundamental	Frequency	peak
6	*	2414.000	76.17	0.87	77.04	Fundamental	Frequency	AVG



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EUT:	The Egg	Model:	E1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX N(HT20) Mode 2462MHz					
Remark:	N/A		1:13			

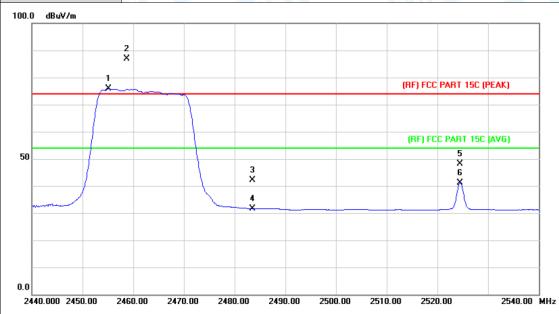


No	. Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2454.800	88.12	1.05	89.17	Fundamental	Frequency	peak
2	*	2455.200	77.42	1.05	78.47	Fundamental	I Frequency	AVG
3		2483.500	40.71	1.17	41.88	74.00	-32.12	peak
4		2483.500	30.05	1.17	31.22	54.00	-22.78	AVG
5		2524.500	46.31	1.38	47.69	74.00	-26.31	peak
6		2524.500	38.02	1.38	39.40	54.00	-14.60	AVG



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EUT:	The Egg	Model:	E1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical						
Test Mode:	TX N(HT20) Mode 2462I	TX N(HT20) Mode 2462MHz					
Remark:	N/A						

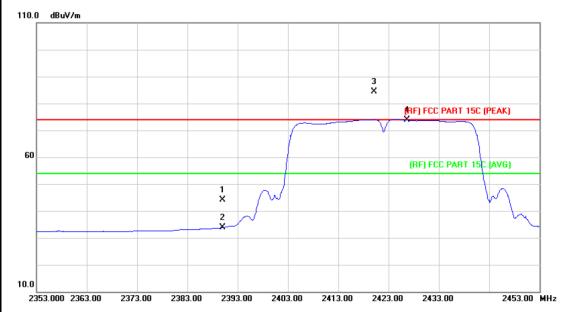


No	o. Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2455.200	74.75	1.05	75.80	Fundamenta	l Frequency	AVG
2	Χ	2458.700	85.79	1.06	86.85	Fundamenta	I Frequency	peak
3		2483.500	41.00	1.17	42.17	74.00	-31.83	peak
4		2483.500	30.49	1.17	31.66	54.00	-22.34	AVG
5		2524.400	46.83	1.38	48.21	74.00	-25.79	peak
6		2524.400	39.77	1.38	41.15	54.00	-12.85	AVG



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EUT:	The Egg	Model:	E1					
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT40) Mode 2422	MHz						
Remark:	N/A							
110.0 dBuV/m								



No	. Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	43.35	0.77	44.12	74.00	-29.88	peak
2		2390.000	33.04	0.77	33.81	54.00	-20.19	AVG
3	Χ	2420.200	83.48	0.89	84.37	Fundamental	Frequency	peak
4	*	2426.700	72.83	0.93	73.76	Fundamental	Frequency	AVG



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EUT:	The Egg	Model:	E1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical					
Test Mode:	TX N(HT40) Mode 2422N	ИНz	THE PARTY OF THE P			
Remark:	N/A					
110.0 dBuV/m						

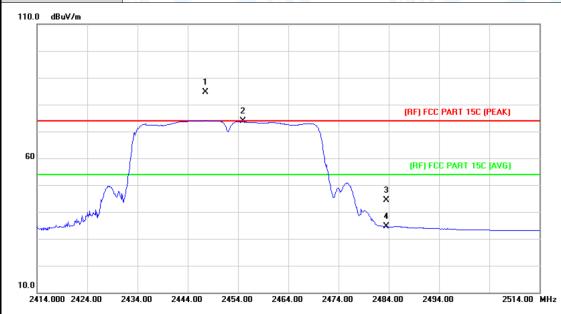


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	43.09	0.77	43.86	74.00	-30.14	peak
2		2390.000	32.81	0.77	33.58	54.00	-20.42	AVG
3	Χ	2417.700	82.78	0.89	83.67	Fundamental I	Frequency	peak
4	*	2425.000	72.42	0.93	73.35	Fundamental	Frequency	AVG



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EUT:	The Egg	Model:	E1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol. Horizontal						
Test Mode:	TX N(HT40) Mode 2452MHz					
Remark:	N/A					
110.0 40.4//-						

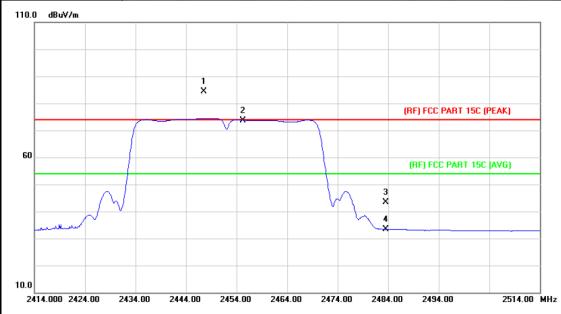


N	o. Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2447.500	83.56	1.01	84.57	Fundamental	Frequency	peak
2	*	2455.000	72.78	1.05	73.83	Fundamental	Frequency	AVG
3		2483.500	43.17	1.17	44.34	74.00	-29.66	peak
4		2483.500	33.37	1.17	34.54	54.00	-19.46	AVG



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EUT:	The Egg	Model:	E1				
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical						
Test Mode:	TX N(HT40) Mode 2452MHz						
Remark:	N/A						
4400 10.111							

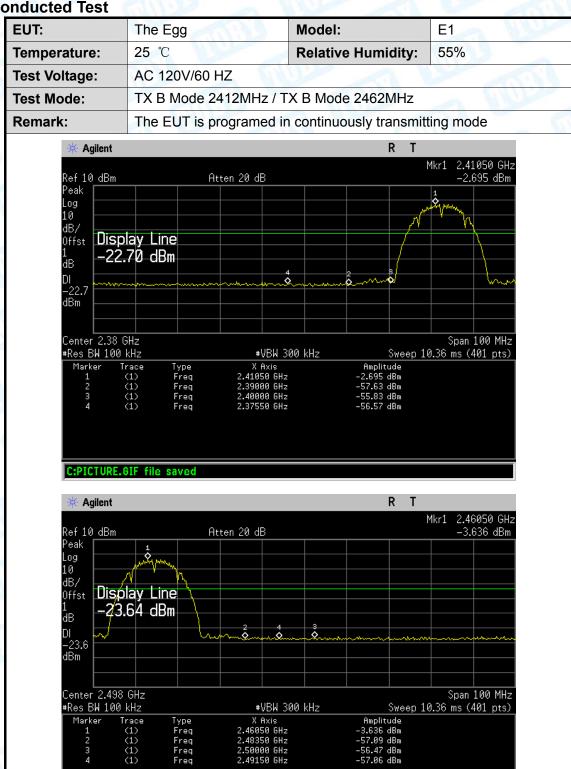


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2447.500	83.28	1.01	84.29	Fundamenta	I Frequency	AVG
2		2455.300	72.47	1.05	73.52	Fundamental	Frequency	peak
3		2483.500	42.10	1.17	43.27	74.00	-30.73	peak
4		2483.500	32.24	1.17	33.41	54.00	-20.59	AVG



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(2) Conducted Test

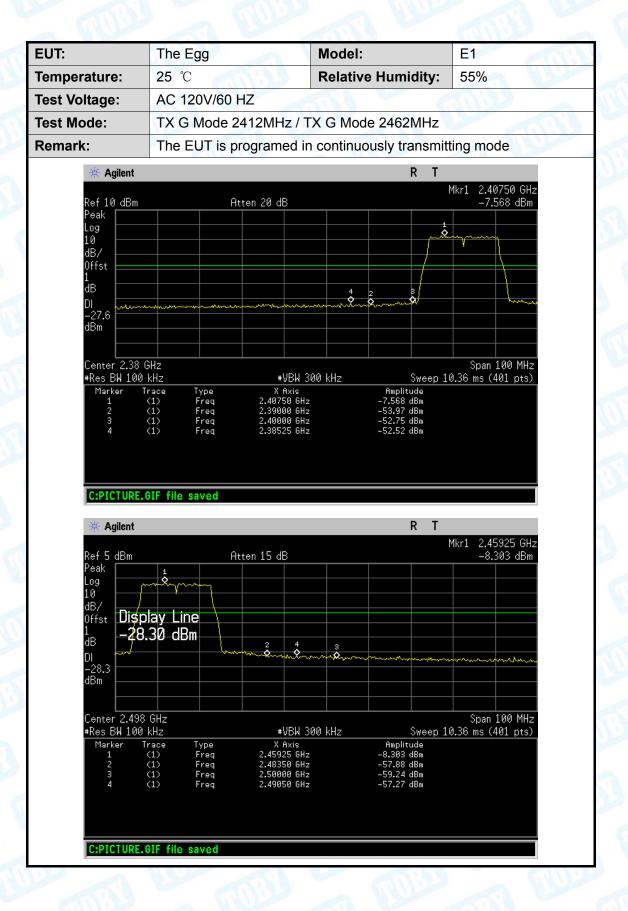


C:PICTURE.GIF file saved



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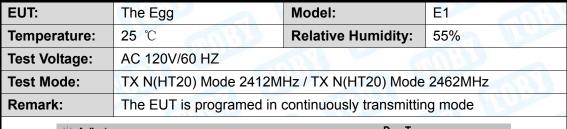


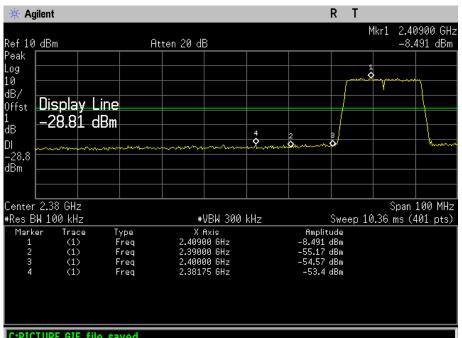




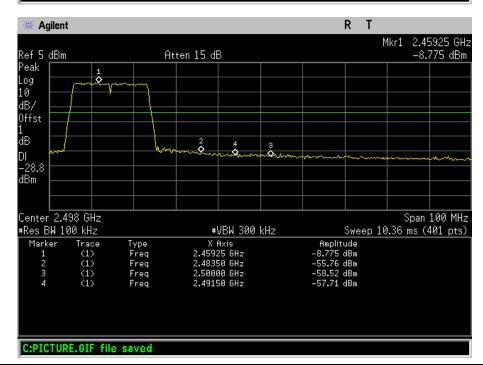
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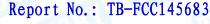
4	V	1	7	7
		Ш	31	
		/ 4		4





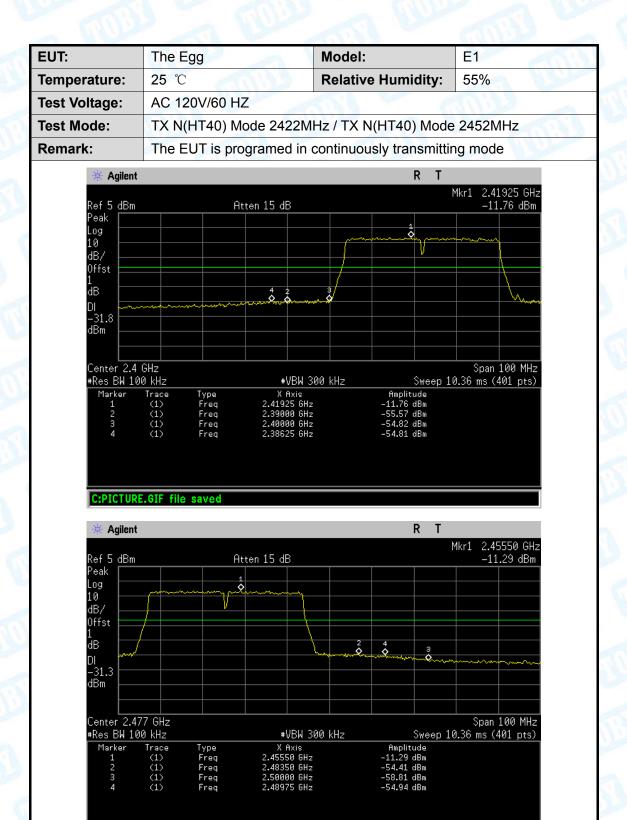
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7. Bandwidth Test

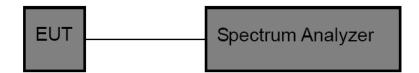
7.1 Test Standard and Limit

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

7.1.2 Test Limit

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

7.2 Test Setup



7.3 Test Procedure

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

7.4 EUT Operating Condition

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



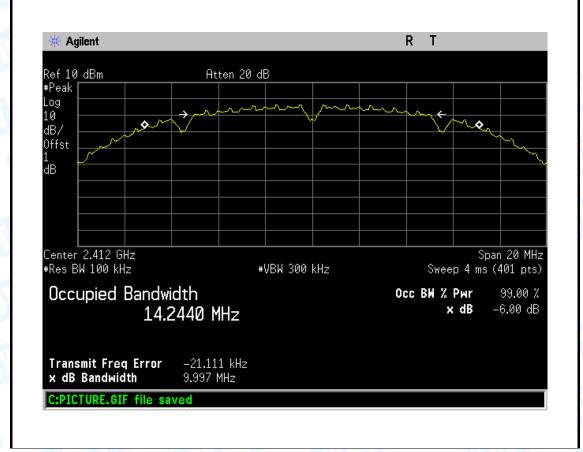
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7.5 Test Data

The Egg	Model:	E1
25 ℃	Relative Humidity:	55%
AC 120V/60 HZ		
TX 802.11B Mode	O WILL	1
cy 6dB Bandwidth	99% Bandwidth	Limit
(MHz)	(MHz)	(MHz)
9.997	14.2440	
9.610	14.2473	>=0.5
10.029	14.2193	
	25 °C AC 120V/60 HZ TX 802.11B Mode cy 6dB Bandwidth (MHz) 9.997 9.610	25 °C Relative Humidity: AC 120V/60 HZ TX 802.11B Mode cy 6dB Bandwidth (MHz) 99% Bandwidth (MHz) 9.997 14.2440 9.610 14.2473

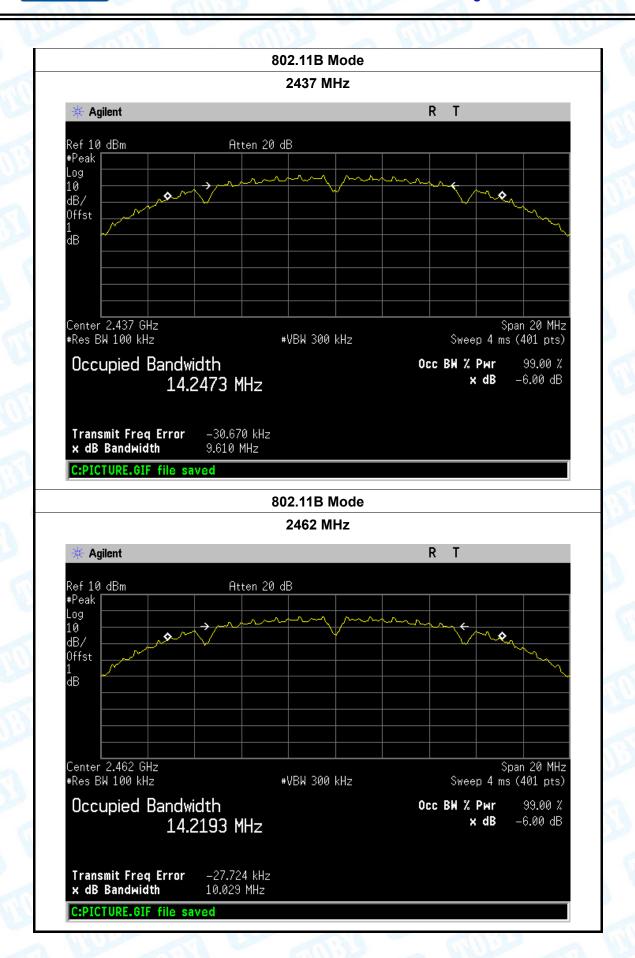
802.11B Mode

2412 MHz





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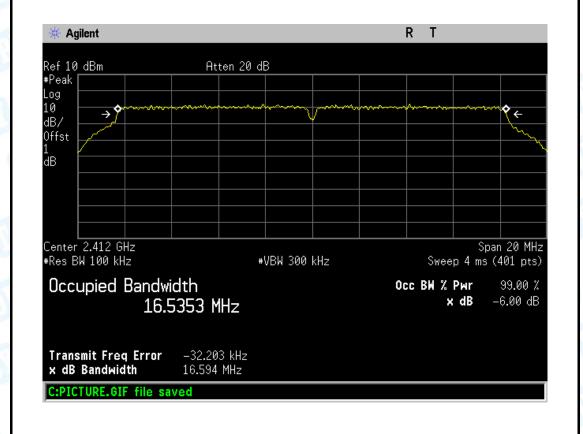




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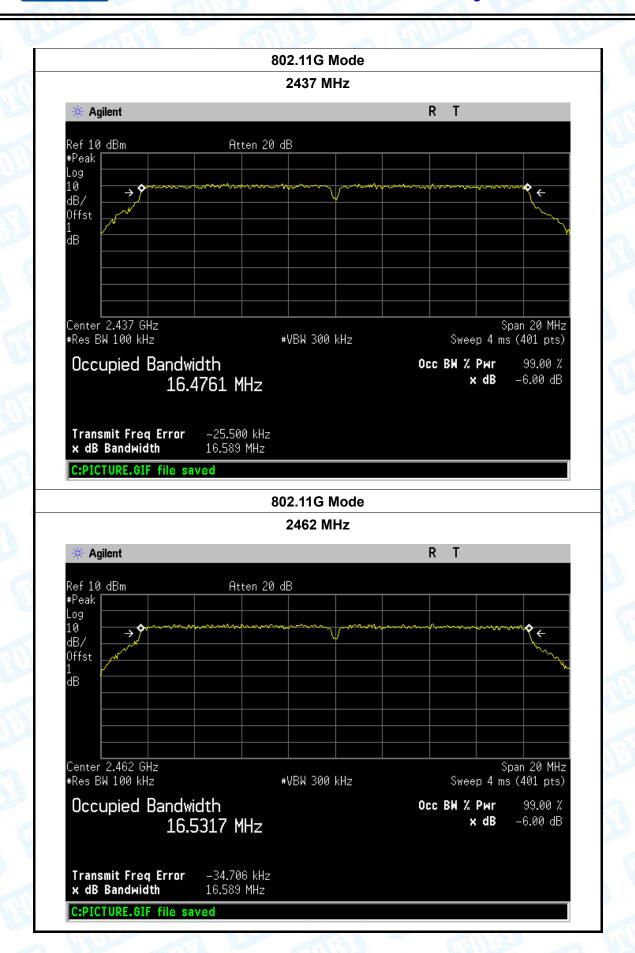
EUT:	The Egg	Model:	E1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 HZ					
Test Mode:	TX 802.11G Mode	WILD P	THE PARTY OF THE P			
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit			
(MHz)	(MHz)	(MHz)	(MHz)			
2412	16.594	16.5353				
2437	16.589	16.4761	>=0.5			
2462	16.589	16.5317				
802.11G Mode						

2412 MHz





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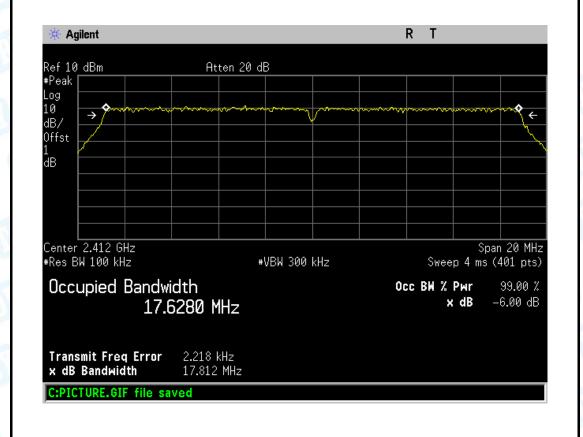




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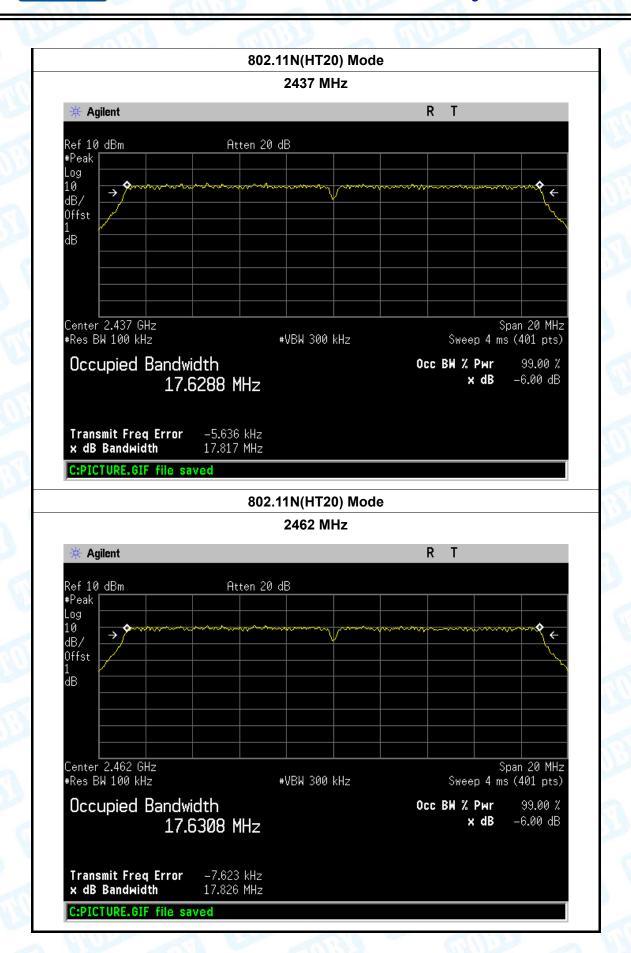
EUT:	The Egg	Model:	E1		
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60 HZ	U. A. I			
Test Mode:	TX 802.11N(HT20) Mode	TX 802.11N(HT20) Mode			
Channel frequen	cy 6dB Bandwidth	99% Bandwidth	Limit		
(MHz)	(MHz)	(MHz)	(MHz)		
2412	17.812	17.6280			
2437	17.817	17.6288	>=0.5		
2462	17.826	17.6308			
	802.11N(H	IT20) Mode	'		

2412 MHz





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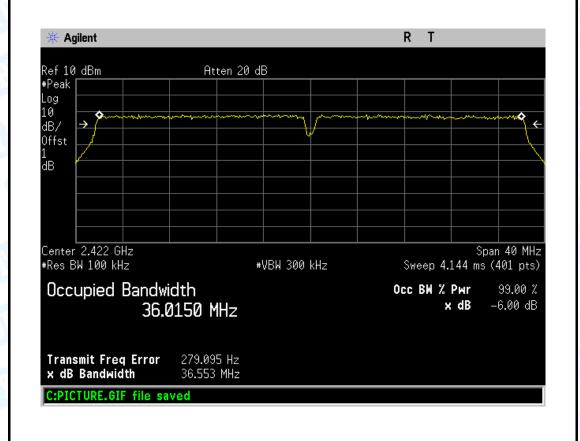




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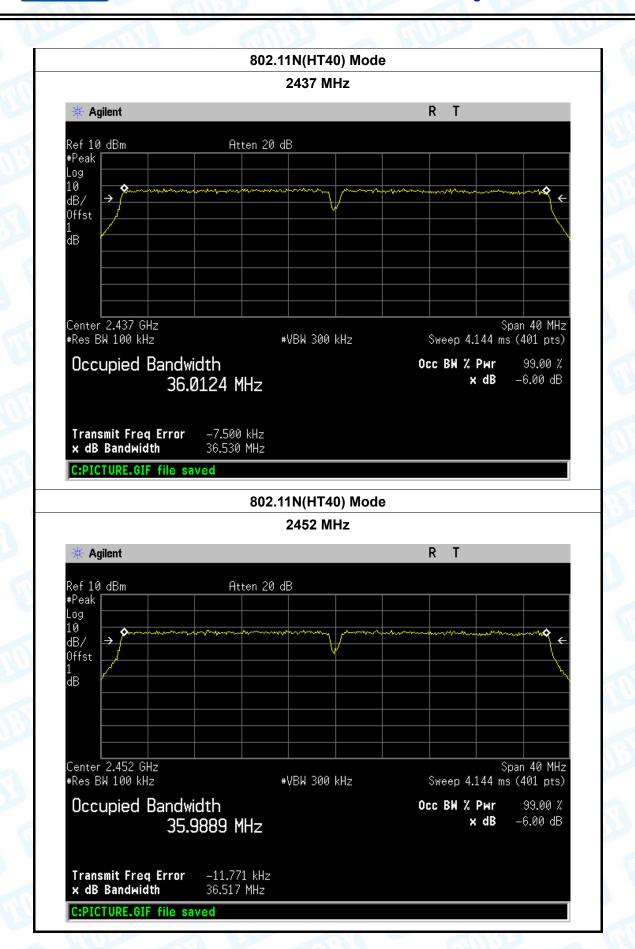
EUT:	The Egg	Model:	E1			
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60 HZ	131				
Test Mode:	TX 802.11N(HT40) Mode	TX 802.11N(HT40) Mode				
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit			
(MHz)	(MHz)	(MHz)	(MHz)			
2422	36.553	36.0150				
2437	36.530	36.0124	>=0.5			
2452	36.517	35.9889				
	802 11N/H	T40) Mode				

2422 MHz





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8. Peak Output Power Test

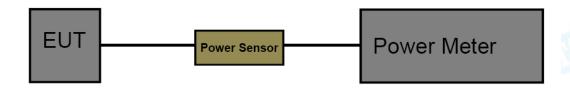
8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210				
Test Item Limit Frequency Range(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 v03r02.

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:	The Egg	Model Name :	E1
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 HZ		
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
	2412	9.19	
802.11b	2437	8.97	
	2462	9.19	
	2412	9.14	
802.11g	2437	9.13	
	2462	9.15	20
000 44	2412	9.09	30
802.11n (HT20)	2437	9.03	
(11120)	2462	9.11	
902 44 =	2422	9.12	
802.11n (HT40)	2437	9.13	
(1140)	2452	9.16	
	Resi	ult: PASS	



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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 v03r02.

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

9.4 EUT Operating Condition

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



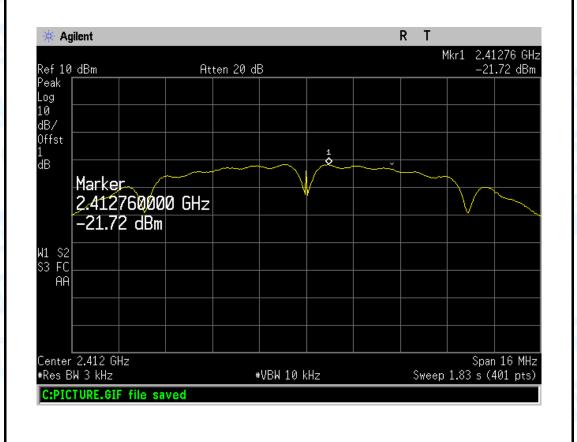
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9.5 Test Data

EUT:	The Egg	MILLO	Model:	E1	
Temperature:	25 ℃		Relative Humidity:	55%	
Test Voltage:	AC 120V/60 HZ				
Test Mode:	TX 802.1	TX 802.11B Mode			
Channel Freque	uency Power Dens		Density	Limit (dBm)	
(MHz)	(3 kHz		/dBm)		
2412	2412		.72		
2437	-21.99		2437 -21.99		8
2462		-22.27			
	802.11B Mode				

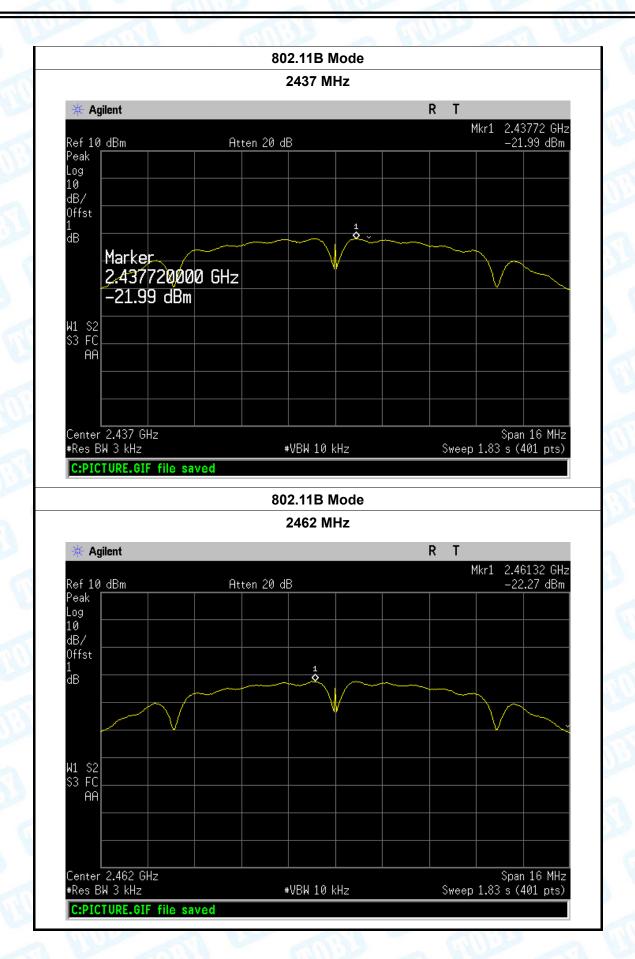
ouz. I I b IVIOU

2412 MHz





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Center 2.412 GHz #Res BW 3 kHz Report No.: TB-FCC145683

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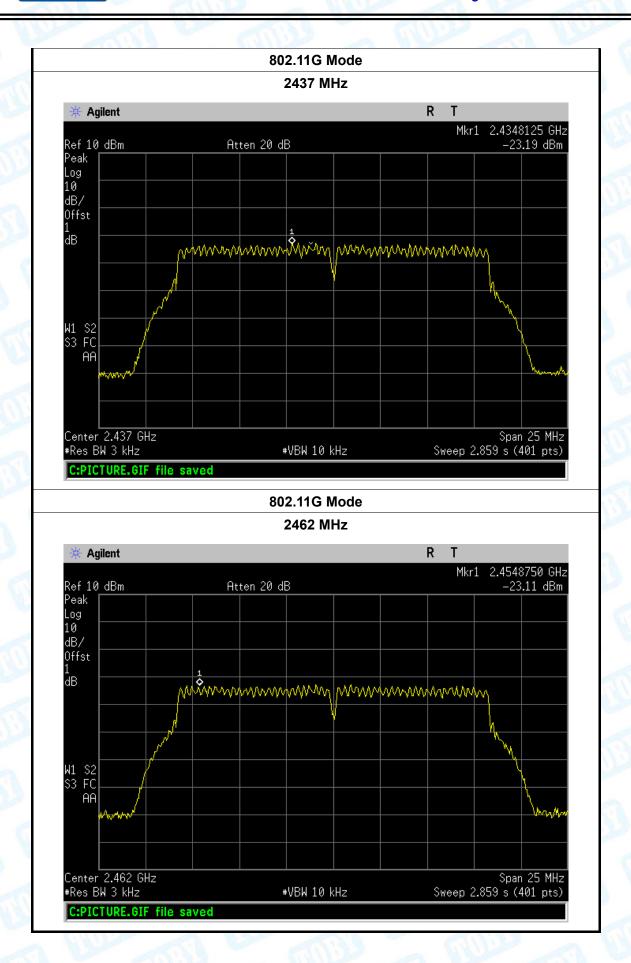
EUT:		The E	gg		Model:		E	E 1	
Temperatu	ire:	25 ℃	67	CEN	Tempera	Temperature:		25 ℃	Albert
Test Voltag	ge:	AC 12	AC 120V/60 HZ		1000		CI	1133	
Test Mode	:	TX 802.11G Mode		10		6			
Channe	el Fred	juency Power		er Density	sity Limit (dBm)		Bm)		
	(MHz)		(3 kH		Hz/dBm)				
	2412			_	23.63				
	2437			-	23.19			8	
	2462			-23.11					
				000	40 Mada				
					1G Mode 12 MHz				
* Agile	ent					R	: T		
Ref 10 d			Att			R			2500 GHz 3.63 dBm
Ref 10 d Peak			Att	24		R			
Ref 10 d Peak Log 10			Att	24		R			
Ref 10 d Peak Log			Att	24		R			
Ref 10 d Peak Log 10 dB/				24 en 20 dB	12 MHz		Mkı	-23	
Ref 10 d Peak Log 10 dB/ Offst		M		24 en 20 dB			Mkı	-23	
Ref 10 d Peak Log 10 dB/ Offst				24 en 20 dB	12 MHz		Mkı	-23	

#VBW 10 kHz

Span 25 MHz Sweep 2.859 s (401 pts)



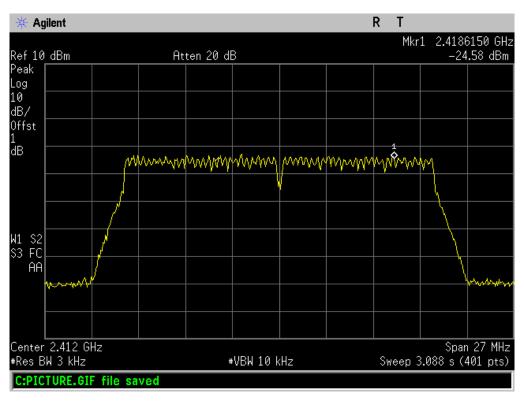
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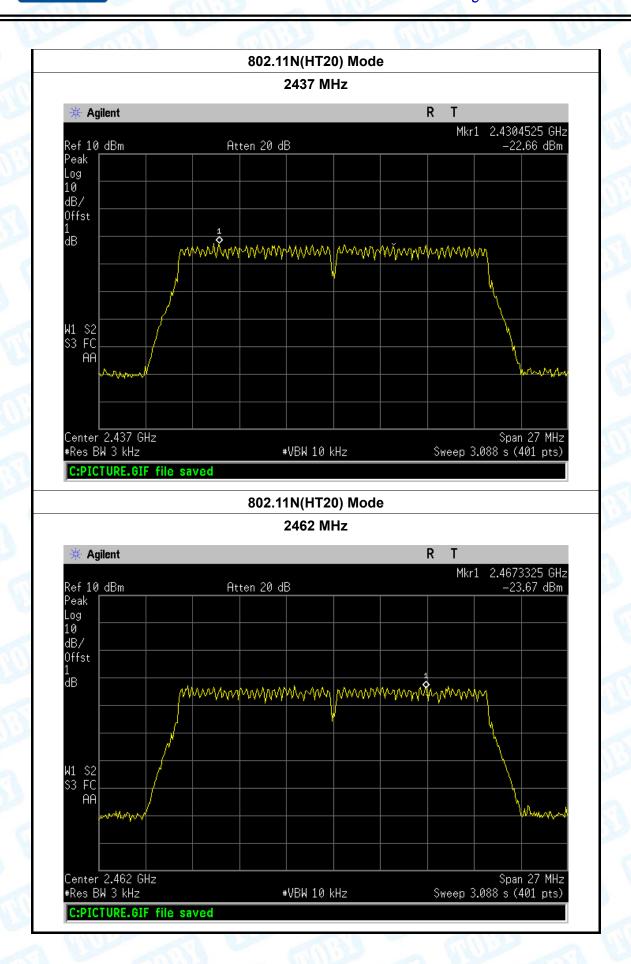
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EUT:	The Egg		Model:	E1
Temperature:	25 ℃		Temperature:	25 ℃
Test Voltage:	AC 120V/	AC 120V/60 HZ		CILLIA .
Test Mode:	TX 802.1	1N(HT20) M		
Channel Fred	quency	uency Power D		Limit (dBm)
(MHz)		(3	kHz/dBm)	
2412			-24.58	
2437			-22.66	8
2462			-23.67	
		802.111	N(HT20) Mode	
		2	412 MHz	
		2	412 MHZ	
* Agilent				R T





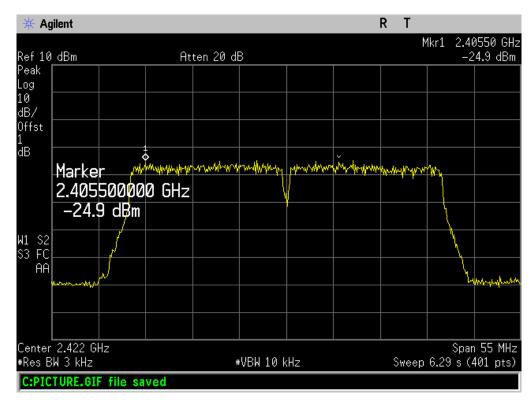
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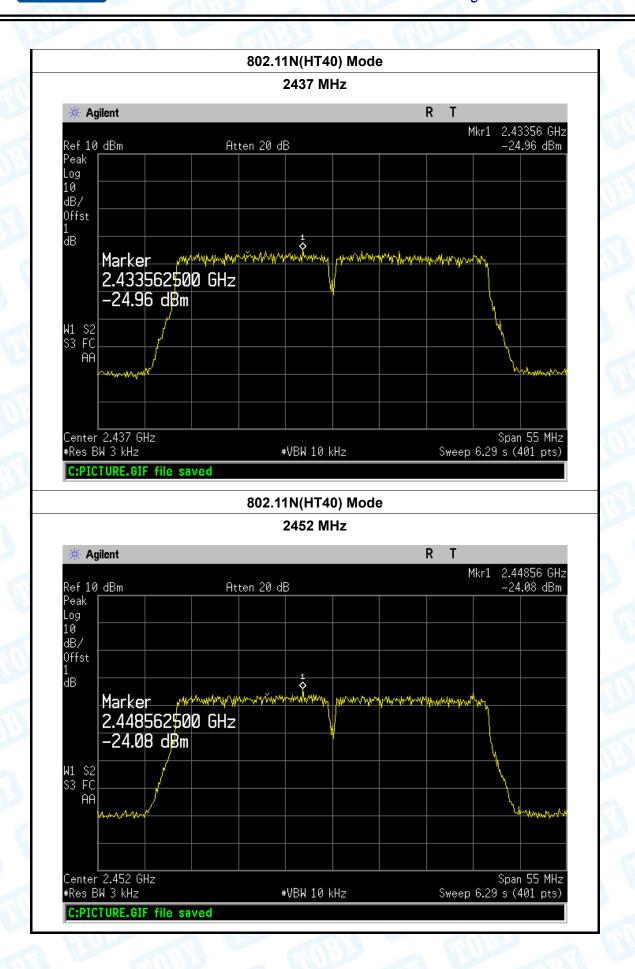
EUT:	The Egg		Model:	E1
Temperature:	25 ℃	THE STATE OF	Temperature:	25 ℃
Test Voltage:	AC 120V/60 HZ		100	
Test Mode:	TX 802.1	1N(HT40) Mod	е	
Channel Fred	quency Power		Density	Limit (dBm)
(MHz)	(MHz)		z/dBm)	
2422		-24	4.90	
2437		-24	4.96	8
2452		-24	4.08	
		802.11N(F	IT40) Mode	
		2422	2 MHz	





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10. Antenna Requirement

10.1 Standard Requirement

10.1.1 Standard FCC Part 15.203

10.1.2 Requirement

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

10.2 Antenna Connected Construction

The directional gains of the antenna used for transmitting is 1.24 dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

10.3 Result

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

	Antenna Type
	□ Permanent attached antenna
I TIME	☑ Unique connector antenna
om Bi	□ Professional installation antenna