

廠商會檢定中心

TEST REPORT

Report No.	:	AT0051065(6)		Date :	07 Aug 2015
Application No.	:	LS025878(8)			
Applicant	:	Zego Electronic Company Room 703, Kowloon Buil 555 Nathan Road, Kowlo	ding,	n Yangri Ele	ctronic Ltd)
Sample Description	:	One(1) item of submitted of Model No. <u>6001381</u> Sample registration No. Radio Frequency Rating No. of submitted sample	: RT026476-001, : 2402MHz – 247: : 3.7V rechargeab : USB 5V chargin	RT035651-0 5MHz Transe le battery	01
Date Received	:	03 Jun 2015, 24 Jul 2015			
Test Period	:	08 Jun 2015 to 06 Aug 20	015		
Test Requested	:	FCC Part 15 Certificate			
Test Method	:	47 CFR Part 15 (10-1-12) ANSI C63.4 – 2009	Edition)		
Test Engineer	:	Mr. LEUNG Shu-kan, Ke	n		
Test Result	:	See attached sheet(s) from	n page 2 to 37.		
Conclusion	:	The submitted sample wa Subpart C.	s found to comply	with requiren	nent of FCC Part 15

For and on behalf of CMA Industrial Development Foundation Limited

Authorized Signature : Page 1 of 37 Mr. WONG Lap-pong Andrew Manager Electrical Division FCC ID: 2ACS67RX

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1 General Information

1.1 General Description

The equipment under test (EUT) is a copter for Battle Drone. The EUT is power by 3.7V rechargeable battery. It operates at 2402MHz - 2475MHz. When the receiver receives radio signal from transmitter, it will take corresponding actions.

The brief circuit description is listed as follows:

- U1, U5	and its associated circuit act as MCU
- U3	and its associated circuit act as RF circuit
- X1	and its associated circuit act as oscillator
- Q1, Q3	and its associated circuit act as LED
- M1, M2, M3, M4	and its associated circuit act as motor

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1.2 Location of the test site

FCC Registered Test Site Number: 552221

Radiated emissions measurements are investigated and taken pursuant to the procedures of ANSI C63.4 – 2009. A Semi-Anechoic Chamber Testing Site is set up for investigation and located at:

Ground Floor, Yan Hing Centre, 9 – 13 Wong Chuk Yeung Street, Fo Tan, Shatin, New Territories, Hong Kong.

Conducted emissions measurements are investigated and also taken pursuant to the procedures of ANSI C63.4 - 2009. A shielded room is located at :

Ground Floor, Yan Hing Centre, 9 – 13 Wong Chuk Yeung Street, Fo Tan, Shatin, New Territories, Hong Kong.

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1.3 List of measuring equipment

Equipment	Manufacturer	Model No.	Serial No.	Calibration Due Date	Calibration Period
EMI Test Receiver	R&S	ESCI	100152	28 Aug 2015	1Year
Spectrum Analyzer	R&S	FSV40	100628	02 Feb 2016	1Year
Broadband Antenna	Schaffner	CBL6112B	2698	19 Feb 2016	2Years
Loop Antenna	EMCO	6502	00056620	28 Oct 2015	2Years
Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-531	24 Nov 2016	2Years
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170442	18 Jun 2017	2Years
Broadband Pre-Amplifier	Schwarzbeck	BBV 9718	9718-119	24 Nov 2016	2Years
Broadband Pre-Amplifier	Schwarzbeck	BBV 9719	9719-010	17 Jun 2017	2Years
LISN	R&S	ENV216	101232	13 Nov 2015	1Year
Coaxial Cable	Schaffner	RG 213/U	N/A	19 Feb 2016	1Years
Coaxial Cable	Suhner	RG 214/U	N/A	19 Feb 2016	1Years
Coaxial Cable	Suhner	Sucoflex_104	N/A	24 Nov 2016	2Years
EMI Test Receiver	R&S	ESCI	100152	28 Aug 2015	1Year

Support equipment:

Adaptor Model: A1299

Supply by CMA

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1.4 Measurement Uncertainty

The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%.

Radiated emissions

Frequency	Uncertainty (U _{lab})
30MHz ~ 200MHz (Horizontal)	4.63dB
30MHz ~ 200MHz (Vertical)	4.65dB
200MHz ~1000MHz (Horizontal)	4.45dB
200MHz ~1000MHz (Vertical)	4.41dB

Conducted emissions

Frequency	Uncertainty (U _{lab})
150kHz~30MHz	2.47dB

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2 Description of the radiated emission test

2.1 Test Procedure

Radiated emissions measurements are investigated and taken pursuant to the procedures of ANSI C63.4 - 2009.

The equipment under test (EUT) was placed on a non-conductive turntable with dimensions of 1.5m x 1m and 0.8m high above the ground. 3m from the EUT, a broadband antenna mounting on the mast received the signal strength. The turntable was rotated to maximize the emission level. The antenna was then moving along the mast from 1m up to 4m until no more higher value was found. Both horizontal and vertical polarization of the antenna were placed and investigated.

For below 30MHz, a loop antenna with its vertical plane is placed 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. And the centre of the loop shall be 1 m above the ground.

For 30MHz to 1GHz, broadband antenna with its vertical and horizontal plane is placed 3m from the EUT and rotated about its vertical and horizontal axis for maximum response at each azimuth about the EUT. And the reference point of antenna shall be 1 m above the ground.

For above 1GHz, horn antenna with its vertical and horizontal plane is placed 3m from the EUT and rotated about its vertical and horizontal axis for maximum response at each azimuth about the EUT. Preamplifier and High Pass filter was used for measurements. The reference point of antenna shall be 1 m above the ground.

The device was rotated through three orthogonal to determine which attitude and configuration produce the highest emission during measurement for Radiated Emission measurement.

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2.2 Test Result

Subpart C:

Peak Detector data were measured unless otherwise stated.

"#" means emissions appear within the restricted bands shall follow the requirement of section 15.205.

The harmonic emissions meet the requirement of section 15.209 are based on measurements employing the CISPR quasi-peak detector below 1000MHz and average detector for frequencies above 1000MHz.

Subpart B:

Quasi-Peak Detector data were measured unless otherwise stated.

"#" means emissions appear within the restricted bands shall follow the requirement of section 15.205.

The emissions meet the requirement of section 15.109 are based on measurements employing the CISPR quasi-peak detector below 1000MHz and average detector for frequencies above 1000MHz.

The frequencies from 30MHz to 1000MHz were investigated, and emissions more 20dB below limit were not reported. Thus, those highest emissions were presented in next page (section 2.3).

It was found that the EUT meet the FCC requirement.

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2.3 Radiated Emission Measurement Data

Radiated emission

pursuant to

the requirement of FCC Part 15 subpart C

Environmental conditions:

Parameter	Recorded value	
Ambient temperature:	28	°C
Relative humidity:	62	%

Measurement: Peak RBW: 1MHz VBW: 3MHz Operation mode: Transmission Testing frequency range: 9kHz to 25GHz

Frequency (MHz)	Polarity (H/V)	Reading at 3m (dBµV)	Transducer Factor (dB/m)	Field Strength at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
2402.104	Н	88.6	- 4.1	84.5	114.0	- 29.5
#4803.596	V	41.8	3.8	45.6	74.0	- 28.4
#4803.619	Н	48.8	3.8	52.6	74.0	- 21.4
2432.580	Н	86.1	- 4.1	82.0	114.0	- 32.0
#4865.675	Н	51.9	3.8	55.7	74.0	- 18.3
#4865.689	V	46.1	3.8	49.9	74.0	- 24.1
2474.819	Н	87.1	- 4.3	82.8	114.0	- 31.2
#4949.655	Н	56.9	4.1	61.0	74.0	- 13.0
#7423.820	Н	46.7	11.7	58.4	74.0	- 15.6
#7425.308	V	45.3	11.7	57.0	74.0	- 17.0

Remark: Other emissions more than 20dB below the limit are not reported.

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2.3 Radiated Emission Measurement Data (Con't)

Radiated emission

pursuant to

the requirement of FCC Part 15 subpart C

Environmental conditions:	_	
Parameter	Recorded value	
Ambient temperature:	28	° C
Relative humidity:	62	%

Measurement: Average RBW: 1MHz VBW: 10Hz Operation mode: Transmission Testing frequency range: 9kHz to 25GHz

Frequency (MHz)	Polarity (H/V)	Reading at 3m (dBµV)	Transducer Factor (dB/m)	Field Strength at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
2402.003	Н	71.8	- 4.1	67.7	94.0	- 26.3
#4803.755	Н	32.5	3.8	36.3	54.0	- 17.7
#4803.805	V	26.5	3.8	30.3	54.0	- 23.7
2432.887	Н	69.4	- 4.1	65.3	94.0	- 28.7
#4865.791	V	30.1	3.8	33.9	54.0	- 20.1
#4865.794	Н	34.6	3.8	38.4	54.0	- 15.6
2474.884	Н	70.2	- 4.3	65.9	94.0	- 28.1
#4949.792	Н	39.3	4.1	43.4	54.0	- 10.6
#7424.541	V	28.1	4.1	39.8	54.0	- 14.2
#7424.544	Н	29.0	11.7	40.7	54.0	- 13.3

Remark: Other emissions more than 20dB below the limit are not reported.

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2.3 Radiated Emission Measurement Data (Con't)

Radiated emission

pursuant to

the requirement of FCC Part 15 subpart C

Environmental conditions:	_	
Parameter	Recorded value	
Ambient temperature:	28	°C
Relative humidity:	62	%

Detector: Quasi-peak Mode; Transmission RBW: 120kHz VBW: 300kHz

Testing frequency range: 9kHz to 25GHz

Frequency (MHz)	Polarity (H/V)	Reading at 3m	Antenna Factor and Cable Loss	Field Strength at 3m	Limit at 3m (dBµV/m)	Margin (dB)
		(dBµV)	(dB/m)	(dBµV/m)		
48.384	Н	8.1	13.3	21.4	40.0	- 18.6
87.728	Н	10.6	9.1	19.7	40.0	- 20.3
#123.856	Н	9.4	14.2	23.6	43.5	- 19.9
159.501	Н	8.5	13.6	22.1	43.5	- 21.4
219.261	Н	9.7	11.6	21.3	46.0	- 24.7
#276.687	Н	9.9	15.5	25.4	46.0	- 20.6
#325.722	Н	10.2	16.7	26.9	46.0	- 19.1

Remark: Other emissions more than 20dB below the limit are not reported.

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Laboratories

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Date : 07 Aug 2015

2.3 Radiated Emission Measurement Data (Con't)

Radiated emission

pursuant to

the requirement of FCC Part 15 subpart B

Environmental conditions:	_	
Parameter	Recorded value	
Ambient temperature:	28	° C
Relative humidity:	62	%

Detector: Quasi-peak Mode: Receiving RBW: 120kHz VBW: 300kHz

Testing frequency range: 9kHz to 25GHz

Frequency (MHz)	Polarity (H/V)	Reading at 3m	Antenna Factor and Cable Loss	Field Strength at 3m	Limit at 3m (dBµV/m)	Margin (dB)
		(dBµV)	(dB/m)	(dBµV/m)	· · /	
49.965	Н	6.4	13.3	19.7	40.0	- 20.3
83.516	Н	9.8	9.1	18.9	40.0	- 21.1
#118.226	Н	10.7	12.9	23.6	43.5	- 19.9
159.031	Н	8.5	13.6	22.1	43.5	- 21.4
219.205	Н	9.6	11.6	21.2	46.0	- 24.8
#263.248	Н	9.8	15.5	25.3	46.0	- 20.7
#322.043	Н	10.1	16.7	26.8	46.0	- 19.2

Remark: Other emissions more than 20dB below the limit are not reported.

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Date : 07 Aug 2015

2.3 Radiated Emission Measurement Data (Con't)

Radiated emission

pursuant to

the requirement of FCC Part 15 subpart B

Environmental conditions:	_	
Parameter	Recorded value	
Ambient temperature:	28	°C
Relative humidity:	62	%

Detector: Quasi-peak Mode; Charging RBW: 120kHz VBW: 300kHz

Testing frequency range: 9kHz to 25GHz

Frequency (MHz)	Polarity (H/V)	Reading at 3m	Antenna Factor and Cable Loss	Field Strength at 3m	Limit at 3m (dBµV/m)	Margin (dB)
		(dBµV)	(dB/m)	(dBµV/m)		
58.962	Н	9.2	10.5	19.7	40.0	- 20.3
87.245	Н	10.5	9.1	19.6	40.0	- 20.4
#127.057	Н	9.4	14.2	23.6	43.5	- 19.9
159.420	Н	8.5	13.6	22.1	43.5	- 21.4
197.921	Н	10.1	11.6	21.7	43.5	- 21.8
252.111	Н	9.6	15.5	25.1	46.0	- 20.9
319.732	Н	9.9	16.7	26.6	46.0	- 19.4

Remark: Other emissions more than 20dB below the limit are not reported.

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3 Description of the Line-conducted Test

3.1 Test Procedure

Conducted emissions measurements are investigated and also taken pursuant to the procedures of ANSI C63.4 - 2009. The EUT was setup as described in the procedures, and both lines were measured.

3.2 Test Result

The EUT is connected to adaptor.

It was found that the EUT met the FCC requirement.

3.3 Graph and Table of Conducted Emission Measurement Data

For electronic filling, the document is saved with filename TestRpt2.pdf.

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4 Photograph

4.1 Photographs of the Test Setup for Radiated Emission and Conducted Emission

For electronic filing, the photos are saved with filename 2ACS67RX TSup.pdf.

4.2 Photographs of the External and Internal Configurations of the EUT

For electronic filing, the photos are saved with filename 2ACS67RX ExPho.pdf and 2ACS67RX InPho.pdf.

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5 Supplementary document

The following document were submitted by applicant, and for electronic filing, the document are saved with the following filenames:

Document	Filename
ID Label/Location	LabelSmp.jpg
Block Diagram	BlkDia.pdf
Schematic Diagram	Schem.pdf
Users Manual	UserMan.pdf
Operational Description	OpDes.pdf

5.1 Bandwidth

The plot saved in TestRpt3.pdf shows the fundamental emission is confined in the specified band. It shows the 20dB bandwidth met the 15.215 requirement for frequency band 2400 to 2483.5 MHz.

The plot saved in TestRpt4.pdf shows the band edge is fulfil 15.209 requirement.

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	A1	Photos of the set-up of Radiated Emissions	4	pages	
	A2	Photos of the set-up of Conducted Emissions	2	pages	
	A3	Photos of External Configurations	4	pages	
	A4	Photos of Internal Configurations	2	pages	
	A5	ID Label/Location	1	page	
	A6	Conducted Emission Measurement Data	3	pages	
	A7	Band Edge	2	pages	
	A8	20dB Bandwidth Plot	2	pages	

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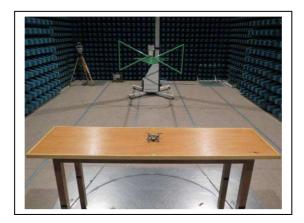


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A1. Photos of the set-up of Radiated Emissions



(Front view, 30MHz - 1GHz)



(Back view, 30MHz - 1GHz)

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by:

Mr. WONG Lap-pong, Andrew

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A1. Photos of the set-up of Radiated Emissions



(Front view, 9KHz - 30MHz)



(Back view, 9KHz - 30MHz)

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by:

Mr. WONG Lap-pong, Andrew

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A1. Photos of the set-up of Radiated Emissions



(front view, 1GHz - 25GHz)



(rear view, 1GHz - 25GHz)

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by:

Mr. WONG Lap-pong, Andrew

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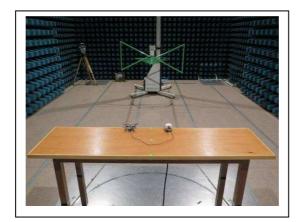


TEST REPORT

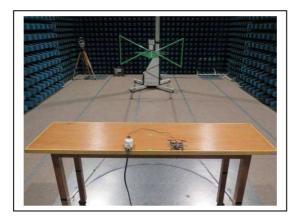
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Photos of the set-up of Radiated Emissions A1.



(front view, charging)



(rear view, charging)

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by:

Mr. WONG Lap-pong, Andrew

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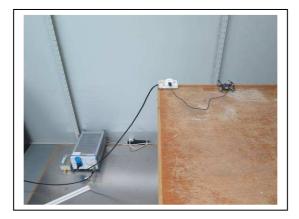


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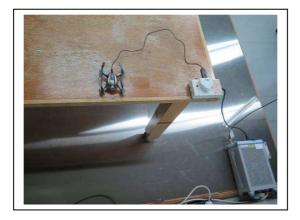
Report No. AT0051065(6) :

Date : 07 Aug 2015

A2 Photos of the set-up of Conducted Emission



(front view)



(rear view)

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by:

Mr. WONG Lap-pong, Andrew

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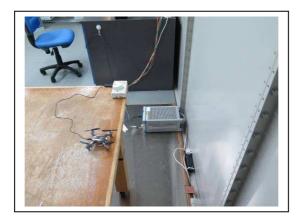
TEST REPORT

Report No. :

AT0051065(6)

Date : 07 Aug 2015

A2 Photos of the set-up of Conducted Emission



(side view)

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by:

Mr. WONG Lap-pong, Andrew

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Report No. AT0051065(6) :

Date : 07 Aug 2015

Photos of External Configuration A3.



External Configuration 1



External Configuration 2

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by:

Mr. WONG Lap-pong, Andrew

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Report No. AT0051065(6) :

Date : 07 Aug 2015

Photos of External Configuration A3.



External Configuration 3



External Configuration 4

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by:

Mr. WONG Lap-pong, Andrew

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TEST REPORT

Report No. AT0051065(6) :

Date : 07 Aug 2015

Photos of External Configuration A3.



External Configuration 5



External Configuration 6

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by:

Mr. WONG Lap-pong, Andrew

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Report No. AT0051065(6) :

Date : 07 Aug 2015

Photos of External Configuration A3.



External Configuration 7

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by:

Mr. WONG Lap-pong, Andrew

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TEST REPORT

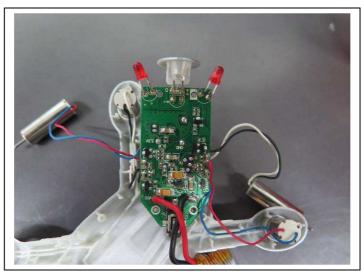
Report No. AT0051065(6) :

07 Aug 2015 Date :

Photos of Internal Configuration A4.



Internal Configuration 1



Internal Configuration 2

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by:

Mr. WONG Lap-pong, Andrew

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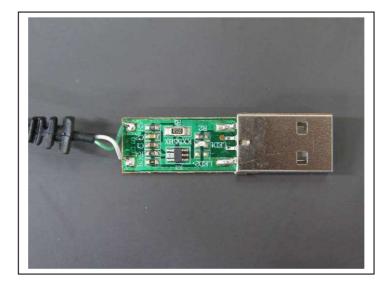


TEST REPORT

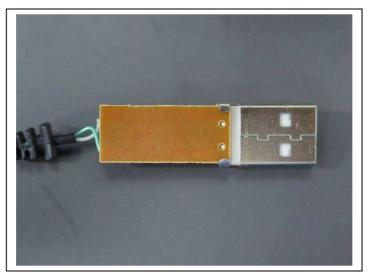
Report No. AT0051065(6) :

Date : 07 Aug 2015

Photos of Internal Configuration A4.



Internal Configuration 3



Internal Configuration 4

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by:

Mr. WONG Lap-pong, Andrew

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TEST REPORT

Report No. AT0051065(6) :

Date : 07 Aug 2015

A5. ID Label/Location



Label 1

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by:

Mr. WONG Lap-pong, Andrew

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廠商會檢定中心

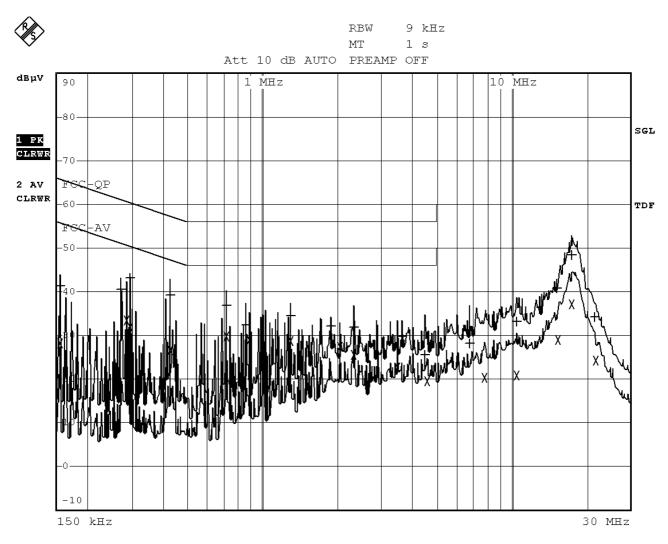
TEST REPORT

Report No. : AT0051065(6)

Date :

07 Aug 2015

A6 Conducted Emission Measurement Date



Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by: P.C.

Mr. WONG Lap-pong, Andrew

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TEST REPORT

Report No. : AT0051065(6)

Date : 07 Aug 2015

A6 Conducted Emission Measurement Date

	EDIT PEAK LIST (Final Measurement Results)						
Tra	cel:	FCC-QP					
Tra	ce2:	FCC-AV					
Tra	ce3:						
-	TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB			
1	Quasi Peak	154.5 kHz	41.38 L1 gnd	-24.37			
2	Average	154.5 kHz	28.18 N gnd	-27.56			
1	Quasi Peak	271.5 kHz	40.46 N gnd	-20.60			
2	Average	285 kHz	33.39 N gnd	-17.27			
1	Quasi Peak	294 kHz	43.03 N gnd	-17.38			
2	Average	294 kHz	31.78 N gnd	-18.62			
1	Quasi Peak	429 kHz	39.32 N gnd	-17.94			
2	Average	429 kHz	26.70 N gnd	-20.56			
1	Quasi Peak	716 kHz	36.96 N gnd	-19.03			
2	Average	716 kHz	29.74 N gnd	-16.25			
1	Quasi Peak	860 kHz	32.45 N gnd	-23.54			
2	Average	882.5 kHz	28.94 N gnd	-17.05			
1	Quasi Peak	1.2965 MHz	34.46 L1 gnd	-21.53			
2	Average	1.2965 MHz	28.69 N gnd	-17.31			
1	Quasi Peak	1.8905 MHz	32 . 17 N gnd	-23.82			
2	Average	2.0435 MHz	27.51 N gnd	-18.48			
1	Quasi Peak	2.318 MHz	31.92 L1 gnd	-24.07			
2	Average	2.318 MHz	25.43 N gnd	-20.56			
2	Average	3.488 MHz	22.78 N gnd	-23.21			
1	Quasi Peak	3.65 MHz	29.83 N gnd	-26.16			

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by:

Mr. WONG Lap-pong, Andrew

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廠商會檢定中心

TEST REPORT

Report No. : AT0051065(6)

Date : 07 Aug 2015

A6 Conducted Emission Measurement Date

	EDI	F PEAK LIST (Final	Measurement F	Results)
Tra	.cel:	FCC-QP		
Tra	.ce2 :	FCC-AV		
Tra	.ce3:			
	TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1	Quasi Peak	4.4735 MHz	25.67 Ll gr	nd -30.32
2	Average	4.613 MHz	19.55 Ngi	nd -26.44
1	Quasi Peak	6.8 MHz	28.09 Ll gr	nd -31.90
2	Average	7.826 MHz	20.23 Ngi	nd -29.76
1	Quasi Peak	10.553 MHz	33.04 Ngi	nd -26.95
2	Average	10.553 MHz	20.72 Ll gr	nd -29.28
1	Quasi Peak	15.2465 MHz	40.82 Ngi	nd -19.17
2	Average	15.386 MHz	28.85 Ngi	nd -21.14
2	Average	17.411 MHz	37.08 Ngi	nd -12.91
1	Quasi Peak	17.4335 MHz	48.47 Ngi	nd -11.52
1	Quasi Peak	21.704 MHz	34.28 Ngi	nd -25.71
2	Average	21.7445 MHz	24.19 Ngi	nd -25.80

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by: P-R

Mr. WONG Lap-pong, Andrew

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廠商會檢定中心

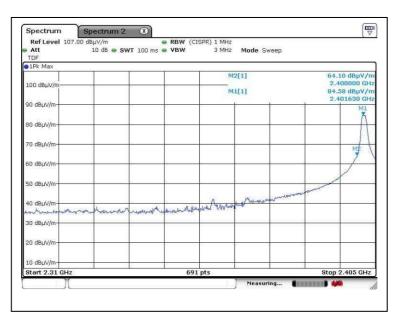
TEST REPORT

Report No.

AT0051065(6)

:

Date : 07 Aug 2015



A7. Band Edge

Lower edge (Peak measurement)

Ref Level 87.0	0 dBµV/m	e RBW	(CISPR) 1 MHz				-
Att .	0 dB 🖷 S	WT 100 s 🥌 VBV	/ 10 Hz	Mode Swee	o l		
TDF 1CA Max				~			
		T		M2[1]		29.01 dBp	٧/١
80 dBµV/m-				-		2.400000	
				M1[1]		67.78 dBµ 2.402040	
70 dBµV/m-	-	-		-	-		X
an in the							1
60 dBµV/m-							Π
50 dBµV/m							$\left \right $
0.00000000							
40 dBµV/m-							4
						M	
30 dBµV/m-				-		7	
					~		
20 dBµV/m							
10 dBµV/m-		-	1				
			2				
0 dBµV/m		-		-			
-10 dBµV/m							_
Start 2.31 GHz			691 pts			Stop 2.405 (ЗHz

Lower edge (Average measurement)

Reviewed by:

Tested by:

Mr. LEUNG Shu-kan, Ken

Mr. WONG Lap-pong, Andrew

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TEST REPORT

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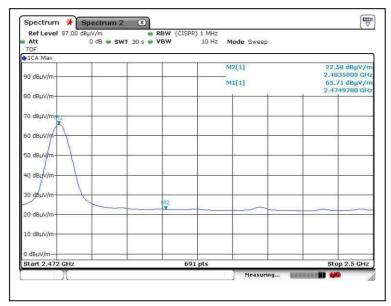
Date : 07

07 Aug 2015



A7. Band Edge

Upper edge (Peak measurement)



Upper edge (Average measurement))

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Mr. LEUNG Shu-kan, Ken

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Mr. WONG Lap-pong, Andrew

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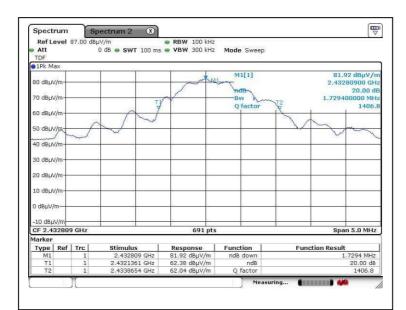
:

Date : 07 Aug 2015

Spectrum Ref Level 97.00 Att µV/m **● RBW** 100 kHz 0 dB **● SWT** 100 ms **● VBW** 300 kHz Mode Sweep TDF 1Pk Ma M1[1] 84.43 dBµV/ 2.40181838 GF 90 dBµV) ndB Bw 20.00 d 80 dBuV 1.244580000 MH Q facto 1929 70 dBuV 60 dBuW 50 dBuV 40 dBµ 30 dBµV, 20 dBµV, 10 dBµV/i dBL CF 2.40181548 GH 691 pt 2.0 MHz larker Type Ref Trc Stimulus 2.40181838 2.40124528 2.40248988 Function ndB dow Response 84.43 dBµV 1 ction Re 64.50 dBpV/ 64.31 dBpV/ GH: ndB Q factor 20.00 dB Mea

A8. 20dB Bandwidth Plot

Bandwidth 1 (2402MHz)



Bandwidth 2 (2433MHz)

Reviewed by:

Tested by:

Mr. LEUNG Shu-kan, Ken

Mr. WONG Lap-pong, Andrew

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TEST REPORT

Report No.

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:

Date : 07 Aug 2015

Spect		97.00 dB	pectrum 2	×	- RBW 100 kHz			
Att		97.00 GB		r 100 ms	VBW 300 kHz			
TDF						8		
●1Pk Ma	3X				- P - P			
90 dBµV	in l					M1[1]		82.74 dBµV/r
an apha	Ym T				M1	ndB		2.47481880 GH 20.00 d
80 dBµV	Im				- And	BW		20.00 d 2.127400000 MH
00 0000	Sim				X	O factor		1163.
70 dBµV	/m-		-	0		Lauray	met -	1100.
924.4057	8251		~	4		105	12	
60 dBµV	/m-	~	1~	s.	-		1	- 24
~	2010	12	~				1	m
50/dBUV	Lon	J	-				-	1
9								× • • •
40 dBµV	/m+							
30 dBµV	Inc							
30 uppv	WT.							
20 dBµV	/m							
	600							
10 dBµV	/m-				-			
	24211							
0 dBµV/i								
CF 2.47	497	8 GHz			691 pt:	5		Span 5.0 MHz
Marker								
Туре	Ref		Stimulu		Response	Function	Fund	tion Result
M1 T1		1	2.47481 2.47406		82.74 dBµV/m	ndB down ndB	2.1274 M	
T2		1	2.47406		62.64 dBµV/m 62.87 dBµV/m	Q factor		20.00 dB 1163.3
12	_	(1)	2.97019	ao anz	oz.or uppy/m			1103.3

A8. 20dB Bandwidth Plot

Bandwidth 3 (2475MHz)

***** End of Report *****

Tested by:

Mr. LEUNG Shu-kan, Ken

Reviewed by: P-R

Mr. WONG Lap-pong, Andrew

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FCC ID: 2ACS67RX

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