



# FCC CERTIFICATION REPORT

**Test Report No.** : E1/2016/70099

**Applicant** : Huawei Technologies Co., Ltd.

**Address** : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C.

**Manufacturer** : Huawei Technologies Co., Ltd.

**Address** : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C.

**Equipment Under Test (EUT) :**

**Product Name** : Smart Phone

**Brand Name** : HUAWEI

**Model No.** : HUAWEI MLA-L12, MLA-L12, HUAWEI MLA-L02

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路134號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

Member of SGS Group



## Revision History

Report Number	Revision	Description	Issue Date
E1/2016/70099	Rev.00	Initial creation of document	Aug. 05, 2016

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

Member of SGS Group



## Contents

<b>1. GENERAL INFORMATION.....</b>	<b>4</b>
1.1 APPLICANT & MANUFACTURER INFORMATION .....	4
1.2 GENERAL DESCRIPTION OF EUT .....	4
1.3 DETAILS OF EUT .....	4
1.4 OPERATION PROCEDURE .....	6
1.5 DESCRIPTION OF SUPPORT UNITS .....	7
1.6 MODIFICATION LIST .....	7
1.7 CABLE LIST .....	7
1.8 TEST SET-UP CONFIGURATION.....	8
1.9 MEASUREMENT PROCEDURE .....	10
1.10 STANDARDS APPLICABLE FOR TESTING.....	10
1.11 SUMMARY OF RESULTS .....	10
<b>2. EMISSION .....</b>	<b>11</b>
2.1 TEST RESULTS .....	11
2.2 FREQUENCY RANGE.....	11
2.3 LIMITS OF CONDUCTED AND RADIATED EMISSION .....	11
2.3.1 LIMITS OF CONDUCTED EMISSION FOR FCC PART 15, SUBPART B/CISPR 22.....	11
2.3.2 LIMITS OF RADIATED EMISSIONS FOR FCC PART 15, SUBPART B/CISPR 22.....	12
2.4. TEST OF CONDUCTED EMISSION.....	13
2.4.1 TEST EQUIPMENTS .....	13
2.4.2 OPERATING ENVIRONMENT .....	13
2.4.3 MEASUREMENT LEVEL CALCULATION .....	13
2.4.4 MEASUREMENT DATA:.....	14
2.5 TEST OF RADIATED EMISSION.....	16
2.5.1 TEST EQUIPMENTS .....	16
2.5.2 OPERATING ENVIRONMENT .....	18
2.5.3 MEASUREMENT LEVEL CALCULATION .....	18
2.5.4 MEASUREMENT DATA.....	19

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

台灣檢驗科技股份有限公司

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路134號

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

Member of SGS Group



# 1. General Information

## 1.1 Applicant & Manufacturer Information

Applicant : Huawei Technologies Co., Ltd.  
Address of Applicant : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C.  
Manufacturer : Huawei Technologies Co., Ltd.  
Address of Manufacturer : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C.

## 1.2 General Description of EUT

Product Name : Smart Phone  
Brand Name : HUAWEI  
Model No. : HUAWEI MLA-L12, MLA-L12, HUAWEI MLA-L02

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

台灣檢驗科技股份有限公司

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路134號

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

Member of SGS Group

Mode 3. Earphone:Hong sheng+BT Link+WiFi  
Link+GPS Link+USB:FOXCONN  
+ADP:HW-050200U01 #BYD+GSM:850 Link

Mode 4. Earphone:Hong sheng+BT Link+WiFi  
Link+GPS Link+USB:Luxshareict  
+ADP:HW-050200U01 #BYD+3G:B1 Link

Mode 5. Earphone:Hong sheng+BT Link+WiFi  
Link+GPS Link+USB:Hongin  
+ADP:HW-050200U01 #BYD+LTE:B7 Link

Mode 6. Earphone:Hong sheng+BT Link+WiFi  
Link+GPS Link+USB:Luxshareict  
+ADP:HW-050200U01 #BYD+FM

Mode 7. Earphone:Hong sheng+BT Link+WiFi  
Link+GPS Link+USB:FOXCONN  
+ADP:HW-050200U01 #Phltek  
+Camera Front REC

Mode 8. Earphone:Hong sheng+BT Link+WiFi  
Link+GPS Link+USB:FOXCONN  
+ADP:HW-050200U01 #Huntkey  
+Camera Front REC

Mode 9. PC LINK Micro SD Write

Mode 10.PC LINK Micro SD Read

Worst case

: CE Worst :Mode 8. Earphone:Hong sheng+BT  
Link+WiFi Link+GPS Link  
+USB:FOXCONN  
+ADP:HW-050200U01  
#Huntkey  
+Camera Front REC

RE Worst :Mode 8. Earphone:Hong sheng+BT  
Link+WiFi Link+GPS Link  
+USB:FOXCONN  
+ADP:HW-050200U01  
#Huntkey  
+Camera Front REC

Highest operate description : 2480MHz

Adapter : Model No.:HW-050200U01  
Supplier : HUAWEI  
I/P :100-240V, 50/60Hz, 0.5A  
O/P : 5V, 2A



#### 1.4 Operation Procedure

Test Mode: 1, 7, 8

1. EUT connected to AC ADAPTER power supply, EUT WiFi and NB connected to the same AP data link. Open BT LINK Speaker, GPS LINK GPS simulator, AUDIO Port access Earphone
2. Turn on the camera Front REC.
3. Start the test.

Test Mode: 2

1. EUT connected to AC ADAPTER power supply, EUT WiFi and NB connected to the same AP data link. Open BT LINK Speaker, GPS LINK GPS simulator, AUDIO Port access Earphone
2. Turn on the camera Rear REC.
3. Start the test.

Test Mode: 3, 4, 5

1. EUT connected to AC ADAPTER power supply, EUT WiFi and NB connected to the same AP data link. Open BT LINK Speaker, GPS LINK GPS simulator, AUDIO Port access Earphone
2. EUT inserted a SIM card, open the GSM LINK Phone: 2G: 850 & 3G: B2 & LTE: B7 call
3. Start the test.

Test Mode: 6

1. EUT connected to AC ADAPTER power supply, EUT WiFi and NB connected to the same AP data link. Open BT LINK Speaker, GPS LINK GPS simulator,
2. FM LINK FM signal generator.
3. Start the test.

Test Mode: 9

1. EUT AUDIO Port pick Earphone.
2. PC data write in Micro SD.
3. Start the test.

Test Mode: 10

1. EUT AUDIO Port pick Earphone.
2. Micro SD write data to PC.
3. Start the test.



### 1.5 Description of Support Units

PRODUCT	MANUFACTURER	MODEL NO.	SERIAL NO.
SIM Card	R&S	CMW-Z05	8.95253E+18
BT Speaker	Creative	MF8090	YFMF8090245R00855Y
AP	BUFFALO	WZR-HP-G300NH2	44066221202559[[G]]
GPS Signal Generator	Spectracom	GSG53 GNSS4	200218
Notebook	DELL	Latitude E6440	CYRVQ32
Mouse	DELL	MS111-T	CN-OKW2YH-71616-345-OL7T
Printer	HP	VCVRA-1004	CN33K19J3F
Micro SD	Transcend	Micro SDHC (Class4)	N/A
TMC/FM Generator	Levear	VP-8194D	0821170LA

### 1.6 Modification List

No modification was made by SGS Taiwan Electronics & Communication Laboratory.

### 1.7 Cable List

Cable Type	Core	Length	Category	Shielding/Non-shielding
USB cable ( Foxconn )	N/A	0.93m	N/A	Shielding
USB cable ( Luxshare )	N/A	0.97m	N/A	Shielding
USB cable ( Honglin )	N/A	0.94m	N/A	Shielding
Earphone cable ( Hong Sheng )	N/A	1.15m	N/A	Non-shielding
Earphone cable ( Quancheng )	N/A	1.1m	N/A	Non-shielding

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

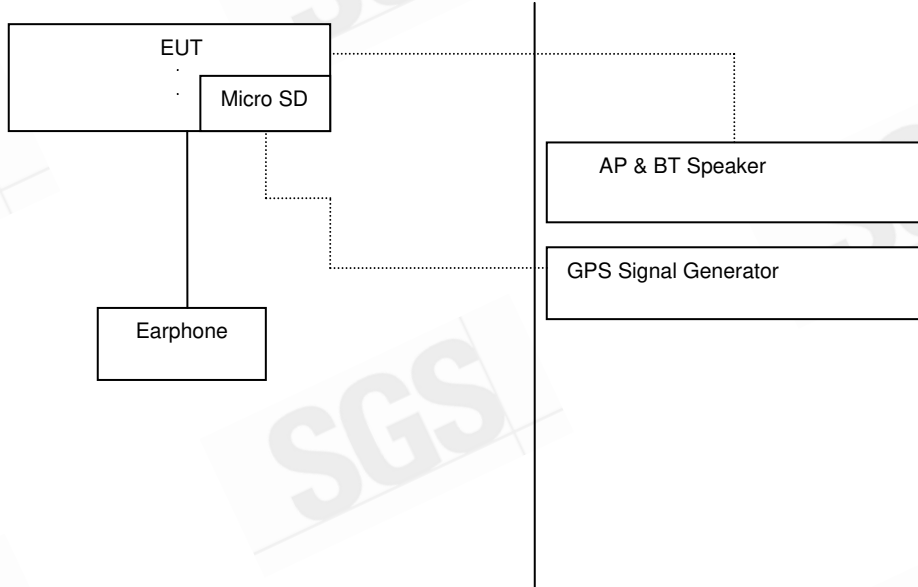
Member of SGS Group



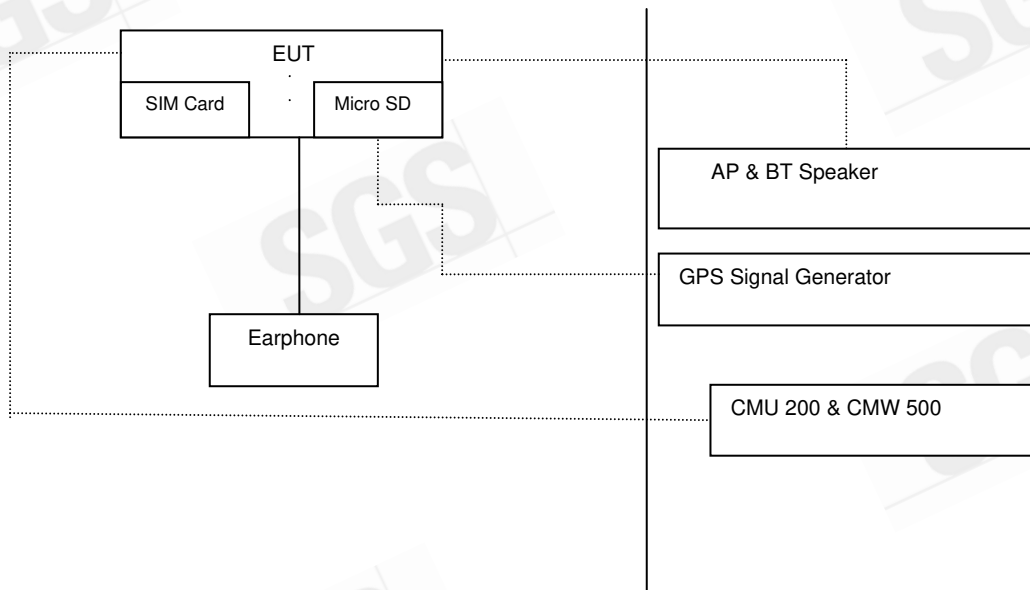


## 1.8 Test Set-Up Configuration

Mode 1~2



Mode 3~5,7,8



Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

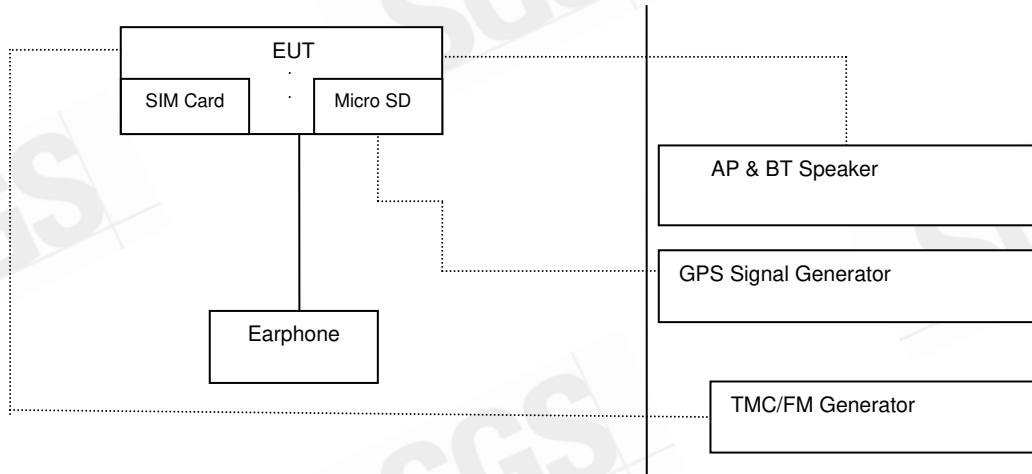
f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

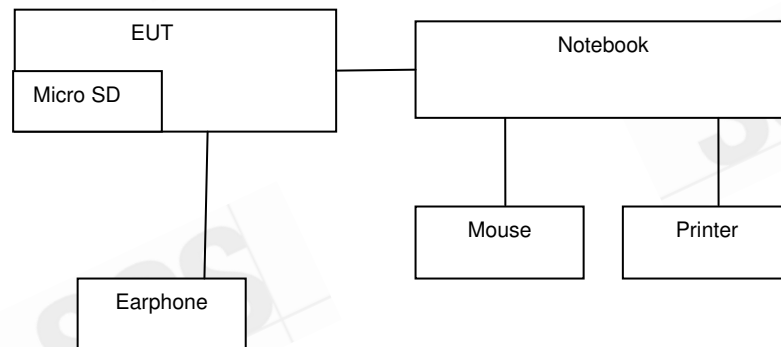
Member of SGS Group



## Mode 6



## Mode 9~10





## 1.9 Measurement Procedure

Conducted Emission Testing was performed according to ANSI C63.4:2014 in a shielded room with peripherals placed on a table, 0.8m high over a metal floor. It was located more than required distance away from the shielded room wall.

Radiated Emission Testing was performed according to ANSI C63.4:2014 at the 10m semi-anechoic chamber. The EUT was placed on a 0.8m high table along with the peripherals. The turn table was placed 10m distance from the antenna. Cables were placed in a position to produce maximum emissions as determined by experimentation, and operation mode was selected for production of maximum emission.

The frequencies and amplitudes of maximum emission were measured at varying azimuths, antenna heights and antenna polarities. Maximum emission levels are then reported.

## 1.10 Standards Applicable for Testing

Tests to be carried out under FCC Part 15, Subpart B

Test Standards	Status
FCC Part 15, Subpart B	Applicable
Deviation from Standard	No deviation

## 1.11 Summary of Results

Highest Emission					
Standard	Test Type	Result	Phase/Pol.	Frequency(MHz)	Margin(dB)
FCC Part 15 Subpart B Class B	Conducted Emission	PASS	Line	0.6508	-9.58 (QP)
			Neutral	0.6900	-13.48 (AVG)
	Radiated Emission	PASS	Ver.	30.2400	-5.80 (QP)

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

Member of SGS Group



## 2. EMISSION

### 2.1 Test Results

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

Member of SGS Group



### 2.3.2 Limits of Radiated Emissions for FCC Part 15, Subpart B/CISPR 22

#### FCC Limit:

- Detector Function : Quasi – Peak

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)
	dBuV/m	dBuV/m
30~88	39	40
88~216	43.5	43.5
216~960	46.44	46
Above 960	49.54	54

- Detector Function : Peak , Average

FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	Peak	Average	Peak	Average
Above 1000-18000	79.3	59.3	73.9	53.9

#### CISPR Limit:

- Detector Function : Quasi – Peak

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 10m)
	dBuV/m	dBuV/m
30-230	40	30
230-1000	47	37

Note : The lower limit applies at the transition frequency.



## 2.4. Test of Conducted Emission

### 2.4.1 Test Equipments

SGS Conducted Emission HWAYA Conducted Room No.A EMC					
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI 3	101311	2016/6/23	2017/6/22
Coaxial Cables	N/A	N30N30-1042-150	N/A	2016/2/6	2017/2/5
LISN	SCHWARZBECK	NSLK 8127	8127-648	2016/6/13	2017/6/12
Pulse Limiter	Narda S.T.S.	PMM PL01	1110X30602	2015/8/13	2016/8/12
LISN	Schwarzbeck	NSLK 8128	NSLK8127-300	2016/6/22	2017/6/21
Universal Digital Radio Communication Tester	R&S	CMU 200	120239	2015/11/24	2016/11/23
Wideband Radio Communication Tester	R&S	CMW 500	131121	2015/8/23	2016/8/22
Test S/W	Farad	EZ-EMC	Ver. SGS-03A2	N.C.R.	N.C.R.

SGS Taiwan LTD. Electronics & Communication Laboratory

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

台灣檢驗科技股份有限公司

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

Member of SGS Group

## 2.4.4 Measurement Data:

## Mode\_8\_L

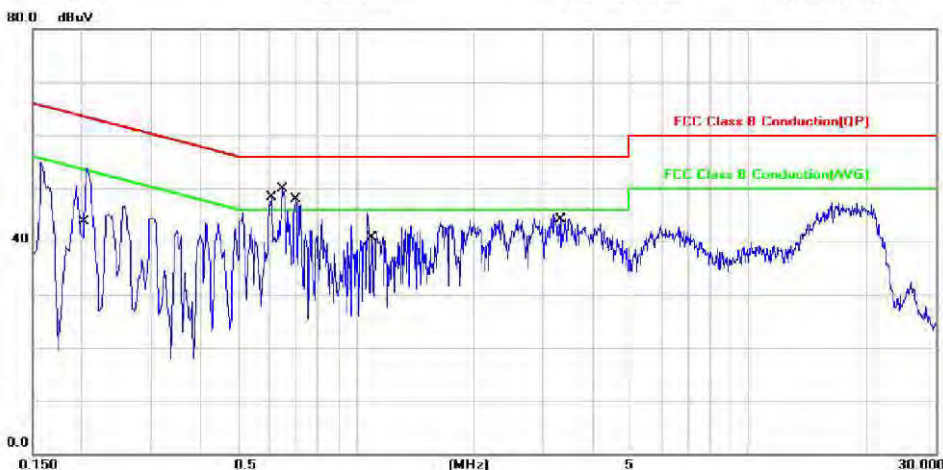
Site : Conduction Room  
Limit: FCC Class B Conduction(QP)  
Mode: Mode 8  
Note:

Phase: **L1**  
Power: AC 120V/60Hz

Temperature: 24 °C  
Humidity: 56 %

## Conducted Emission

File :70099 Data :#22 Date: 2016/7/25 Time: 下午 04:32:43



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2014	46.50	0.16	46.66	63.55	-16.89	QP	
2		0.2014	37.10	0.16	37.26	53.55	-16.29	AVG	
3		0.6110	44.11	0.16	44.27	56.00	-11.73	QP	
4		0.6110	31.06	0.16	31.22	46.00	-14.78	AVG	
5 *		0.6508	46.25	0.17	46.42	56.00	-9.58	QP	
6		0.6508	35.34	0.17	35.51	46.00	-10.49	AVG	
7		0.7085	42.77	0.16	42.93	56.00	-13.07	QP	
8		0.7085	28.16	0.16	28.32	46.00	-17.68	AVG	
9		1.1085	39.76	0.16	39.92	56.00	-16.08	QP	
10		1.1085	27.45	0.16	27.61	46.00	-18.39	AVG	
11		3.2970	35.76	0.23	35.99	56.00	-20.01	QP	
12		3.2970	25.35	0.23	25.58	46.00	-20.42	AVG	

\*:Maximum data x:Over limit | :over margin

File :70099\Data :#22

Page: 1

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

Member of SGS Group





## Mode\_8\_N

Site : Conduction Room  
Limit: FCC Class B Conduction(QP)  
Mode: Mode 8  
Note:

Phase: **N**  
Power: AC 120V/60Hz

Temperature: 24 °C  
Humidity: 56 %

## Conducted Emission

File :70099 Data :#21 Date: 2016/7/25 Time: 下午 04:34:03



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2028	45.86	0.19	46.05	63.50	-17.45	QP	
2		0.2028	33.09	0.19	33.28	53.50	-20.22	AVG	
3		0.6110	40.06	0.20	40.26	56.00	-15.74	QP	
4		0.6110	29.71	0.20	29.91	46.00	-16.09	AVG	
5		0.6900	40.85	0.21	41.06	56.00	-14.94	QP	
6 *		0.6900	32.31	0.21	32.52	46.00	-13.48	AVG	
7		2.3530	36.39	0.25	36.64	56.00	-19.36	QP	
8		2.3530	27.32	0.25	27.57	46.00	-18.43	AVG	
9		3.0100	35.27	0.26	35.53	56.00	-20.47	QP	
10		3.0100	27.33	0.26	27.59	46.00	-18.41	AVG	
11		20.5340	40.77	0.66	41.43	60.00	-18.57	QP	
12		20.5340	27.63	0.66	28.29	50.00	-21.71	AVG	

\*:Maximum data x:Over limit | :over margin

File :70099\Data :#21

Page: 1

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

Member of SGS Group





## 2.5 Test of Radiated Emission

### 2.5.1 Test Equipments

#### Below 1GHz

SGS Radiated_Below 1GHz HWAYA 10m EMC					
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI 7	100950	2015/12/8	2016/12/7
EMI Test Receiver	R&S	ESCI 3	101343	2015/12/25	2016/12/24
Broadband Antenna	SCHWAZBECK	VULB9168	9168-628	2015/9/23	2016/9/22
Broadband Antenna	SCHWAZBECK	VULB9168	9168-629	2015/9/23	2016/9/22
Pre Amplifier	EMC Instruments Corp.	EMC330	980178	2016/3/31	2017/3/30
Pre Amplifier	EMC Instruments Corp.	EMC330	980179	2016/3/31	2017/3/30
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150917	2015/9/18	2016/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150919	2015/9/18	2016/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150820	2015/9/18	2016/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150918	2015/9/18	2016/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150821	2015/9/18	2016/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150822	2015/9/18	2016/9/17
Universal Digital Radio Communication Tester	R&S	CMU 200	120239	2015/11/24	2016/11/23
Wideband Radio Communication Tester	R&S	CMW 500	131121	2015/8/23	2016/8/22
Controller	MF	MF-7802	N/A	N.C.R.	N.C.R.
Controller	MF	MF-7802	N/A	N.C.R.	N.C.R.
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Turn Table	MF	N/A	N/A	N.C.R.	N.C.R.
Site NSA	Chance Most	10M Chamber	10M SAC	2015/12/31	2016/12/30
Test S/W	Farad	EZ-EMC	Ver. SGS-03A2	N.C.R.	N.C.R.

SGS Taiwan LTD. Electronics & Communication Laboratory

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan LTD. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

Member of SGS Group



## Above 1GHz

SGS Radiated Above 1GHz HWAYA 966A EMC					
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
Spectrum Analyzer	R&S	FSV 40	101419	2016/2/25	2017/2/24
EMI Test Receiver	R&S	ESR 7	101459	2016/2/22	2017/2/21
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D673	2015/10/8	2016/10/7
Horn Antenna	Schwarzbeck	BBHA9170	BBHA9170-184	2015/12/11	2016/12/10
Pre Amplifier	EMC Instruments Corp.	EMC012645B	980216	2015/9/30	2016/9/29
Pre Amplifier	EMC Instruments Corp.	EMC184045B	980135	2015/10/27	2016/10/26
Coaxial Cable	JUNFLOW	MWX221-NMSNMS	J0778929	2016/4/23	2017/4/22
Coaxial Cable	Huber+Suhner	SUCCOFLEX 104PEA	30255/4PEA	N.C.R.	N.C.R.
Coaxial Cable	EMC Instruments	EMC104-SM-SM	140927	2016/4/23	2017/4/22
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	MY 2152/2	2016/6/5	2017/6/4
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	MY 2153/2	2016/6/5	2017/6/4
Universal Digital Radio Communication Tester	R&S	CMU 200	120239	2015/11/24	2016/11/23
Wideband Radio Communication Tester	R&S	CMW 500	131121	2015/8/23	2016/8/22
Controller	MF	MF-7802	N.C.R.	N.C.R.	N.C.R.
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Turn Table	MF	N/A	N/A	N.C.R.	N.C.R.
Site VSWR	SGS	966 Chamber A	SAC-A	2016/1/12	2017/1/11
Test S/W	Farad	EZ-EMC	Ver. SGS-03A2	N.C.R.	N.C.R.

SGS Taiwan LTD. Electronics &amp; Communication Laboratory

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group

### 2.5.2 Operating Environment

Temperature : 18 degree C

Humidity : 71 %RH

Atmospheric Pressure : 996 mBar

### 2.5.3 Measurement Level Calculation

Correction Factor = Antenna Factor + Cable loss- Amplifier Gain

Measurement Level = Reading Level + Correction Factor

Over (Margin) = Measurement Level – Limit

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

台灣檢驗科技股份有限公司

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

Member of SGS Group



## 2.5.4 Measurement Data

## Below 1GHz

## Mode\_8\_H

Site: SGS 10m Chamber  
Limit: CISPR22 Class B 10M Radiation  
Mode: Mode\_8  
Note:

Polarization: **Horizontal**  
Power: AC 120V/60Hz  
Distance:

Temperature: 18 °C  
Humidity: 71 %

## Radiated Emission



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		30.4800	25.41	-12.81	12.60	30.00	-17.40	QP	
2		43.4200	25.32	-11.52	13.80	30.00	-16.20	QP	
3		53.5200	25.79	-11.69	14.10	30.00	-15.90	QP	
4		147.6900	25.60	-12.10	13.50	30.00	-16.50	QP	
5		159.3100	25.12	-11.52	13.60	30.00	-16.40	QP	
6 *		743.2300	24.80	-2.00	22.80	37.00	-14.20	QP	

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

File :70099\Data :#22

Page: 1

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

Member of SGS Group



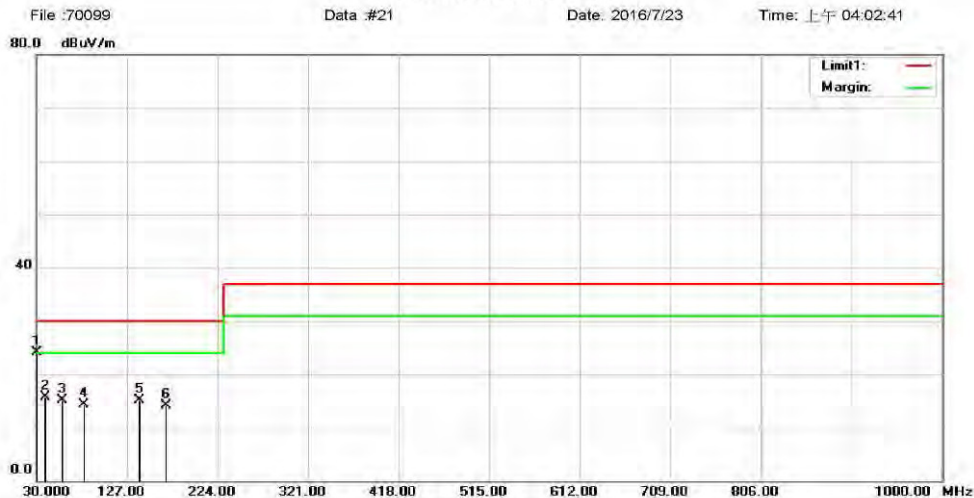
## Mode\_8\_V

Site: SGS 10m Chamber  
Limit: CISPR22 Class B 10M Radiation  
Mode: Mode\_8  
Note:

Polarization: **Vertical**  
Power: AC 120V/60Hz  
Distance:

Temperature: 18 °C  
Humidity: 71 %

## Radiated Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	30.2400	36.69	-12.49	24.20	30.00	-5.80	QP	
2		39.5200	27.27	-11.57	15.70	30.00	-14.30	QP	
3		56.4100	26.58	-11.48	15.10	30.00	-14.90	QP	
4		81.0500	30.33	-16.03	14.30	30.00	-15.70	QP	
5		140.4000	27.09	-11.99	15.10	30.00	-14.90	QP	
6		167.9600	25.46	-11.36	14.10	30.00	-15.90	QP	

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

File :70099\Data :#21

Page: 1

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

[www.tw.sgs.com](http://www.tw.sgs.com)

Member of SGS Group





Above 1GHz

Mode\_2\_H

Site: SGS 966 Chamber A  
Limit: FCC Class B 3M Radiation(1G-40G)(Pea  
Mode: Mode\_2  
Note:

Polarization: **Horizontal**  
Power: AC 120V/60Hz  
Distance:

Temperature: 22 °C  
Humidity: 68 %

## Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2598.000	58.45	-14.47	43.98	74.00	-30.02	peak	
2		3176.000	58.70	-14.94	43.76	74.00	-30.24	peak	
3		4043.000	57.63	-12.11	45.52	74.00	-28.48	peak	
4		4655.000	58.84	-10.98	47.86	74.00	-26.14	peak	
5		5437.000	58.26	-8.69	49.57	74.00	-24.43	peak	
6 *		5709.000	57.90	-8.14	49.76	74.00	-24.24	peak	

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

File :70099\Data :#22

Page: 1

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group



## Mode\_2\_V

Site: SGS 966 Chamber A

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation(1G-40G)(Pea

Power: AC 120V/60Hz

Humidity: 68 %

Mode: Mode\_2

Distance:

Note:

## Radiated Emission

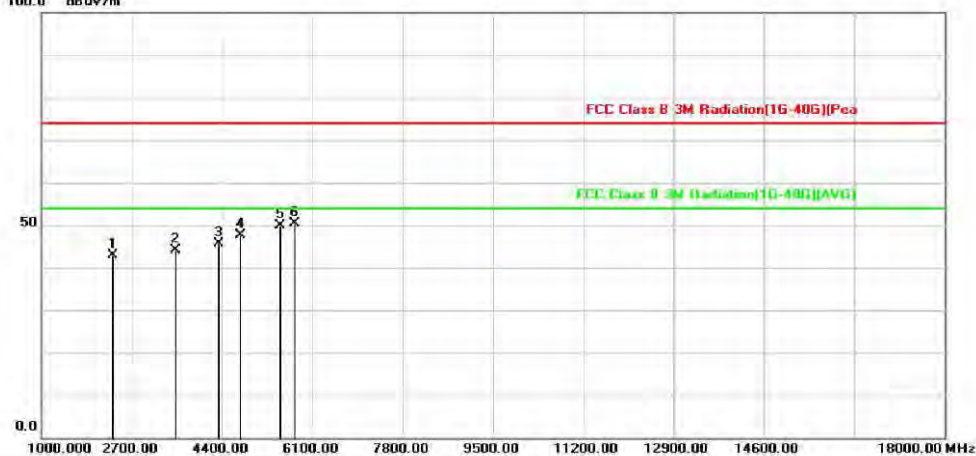
File :70099

Data :#21

Date: 2016/7/22

Time: 下午 09:34:51

100.0 dBuV/m



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2343.000	60.72	-17.72	43.00	74.00	-31.00	peak	
2		3533.000	58.30	-14.05	44.25	74.00	-29.75	peak	
3		4349.000	57.34	-11.64	45.70	74.00	-28.30	peak	
4		4740.000	58.37	-10.74	47.63	74.00	-26.37	peak	
5		5488.000	58.31	-8.53	49.78	74.00	-24.22	peak	
6 *		5777.000	58.52	-8.02	50.50	74.00	-23.50	peak	

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

File :70099\Data :#21

Page: 1

\*\* End of Report \*\*

Copyright of this verification is owned by SGS Taiwan LTD. Electronics & Communication Laboratory and may not be reproduced except in full and with the prior approval of the Manager of SGS Taiwan Ltd. Electronics & Communication Laboratory.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.tw.sgs.com

Member of SGS Group