



FCC CERTIFICATION REPORT

Test Report No. : E1/2017/80213

Applicant : SHARP CORPORATION, IoT Communication BU

Address : 2-13-1, Hachihonmatsu-lida, Higashi-hiroshima-shi, Hiroshima, 739-0192, Japan

Manufacturer : Sharp Corporation

Address : 1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan

Equipment Under Test (EUT) :

Product Name : Mobile phone

Standards : FCC Part 15:2017, Subpart B, Class B

FCC Designation Numbers : 916890 / TW1087

Date of Receipt : Aug. 29, 2017

Date of Test : Aug. 29 ~ Sep. 19, 2017

Date of Issue : Oct. 05, 2017

Test Result :	PASS
----------------------	-------------

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

Remarks :

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 this report.

This report shall not be reproduced except in full, without the written approval of the laboratory. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

Tested By:

Ivan Hsieh

Date

Oct. 05, 2017

Ivan Hsieh (Engineer)

Approved By

Eddy Cheng

Date

Oct. 05, 2017

Eddy Cheng (Asst. Supervisor)



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

Revision History

Report Number	Revision	Description	Issue Date
E1/2017/80213	Rev.00	Initial creation of document	Oct. 05, 2017

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

Member of SGS Group



Contents

1. GENERAL INFORMATION.....	4
1.1 APPLICANT & MANUFACTURER INFORMATION	4
1.2 GENERAL DESCRIPTION OF EUT	4
1.3 DETAILS OF EUT	4
1.4 OPERATION PROCEDURE	5
1.5 DESCRIPTION OF SUPPORT UNITS	6
1.6 MODIFICATION LIST	7
1.7 ACCESSORIES CABLE LIST	7
1.8 TEST SET-UP CONFIGURATION.....	7
1.9 MEASUREMENT PROCEDURE	9
1.10 STANDARDS APPLICABLE FOR TESTING.....	9
1.11 SUMMARY OF RESULTS	9
2. EMISSION	10
2.1 TEST RESULTS	10
2.2 FREQUENCY RANGE.....	10
2.3 LIMITS OF CONDUCTED AND RADIATED EMISSION	10
2.3.1 LIMITS OF CONDUCTED EMISSION	10
2.3.2 LIMITS OF RADIATED EMISSIONS	11
2.4. TEST OF CONDUCTED EMISSION.....	12
2.4.1 TEST EQUIPMENTS	12
2.4.2 OPERATING ENVIRONMENT	12
2.4.3 MEASUREMENT LEVEL CALCULATION.....	12
2.4.4 MEASUREMENT DATA:.....	13
2.5 TEST OF RADIATED EMISSION.....	22
2.5.1 TEST EQUIPMENTS	22
2.5.2 OPERATING ENVIRONMENT	23
2.5.3 MEASUREMENT LEVEL CALCULATION.....	23
2.5.4 MEASUREMENT DATA.....	24
3. PHOTOGRAPHS OF TEST	40
4. PHOTOGRAPHS OF PRODUCT	52

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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.

1. General Information

1.1 Applicant & Manufacturer Information

Applicant : SHARP CORPORATION, IoT Communication BU
Address of Applicant : 2-13-1, Hachihonmatsu-lida, Higashi-hiroshima-shi,
Hiroshima, 739-0192, Japan
Manufacturer : Sharp Corporation
Address of Manufacturer : 1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-
8522, Japan

1.2 General Description of EUT

Product Name : Mobile phone

1.3 Details of EUT

Power Supply : AC 100~240V, 50~60Hz
Worst case : CE worst case : Config 4
Below RE worst case : Config 2
Above RE worst case : Config 3
Highest operate description : 1094.4 MHz
Adapter : Model No.: XN-2QC25
Supplier : SHARP
I/P : AC 100-240V, 50/60Hz, 0.2A
O/P : DC 5.0V, 800mA

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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.

QD25	FCC 15B			
	Config 1	Config2	Config 3	Config 4
Applicable standard	FCC 15B			
Accessories	EUT + AC Adaptor (XN-2QC25) +USB Cable	EUT +USB Cable (to PC)	EUT + AC Adaptor (XN-2QC25) +USB Cable	EUT + AC Adaptor (XN-2QC25) + Cradle +USB Cable +EARPHONE
Main function	Speech	Data Link	Audio	Cradle Charger
Additional function	BT+WiFi +GPS+NFC			
Description				
radiated emission	GSM 850/1900 WCDMA B1 LTE B1	Data Read/Write	MP3	Cradle Charger + MP3
conducted emission (DC Power)	NA	NA	NA	NA
conducted emission (AC Power)	GSM 850/1900 WCDMA B1 LTE B1	Data Read/Write	MP3	Cradle Charger + MP3

1.4 Operation Procedure

Config 1

1. Let EUT install the SIM Card & SD Card.
2. Let USB Port of EUT connect to the Adapter.
3. Set the BT mouse to pair with EUT.
4. Set WiFi to obtain IP Address and execute Ping IP Address.
5. Turned on the GPS function & NFC function.
6. Set up the base station and test GSM / WCDMA / LTE connection.
7. Started the test.

Config 2

1. Let EUT install the SIM Card & SD Card.
2. Let USB Port of EUT connect to the PC and execute Data R/W.
3. Set the BT mouse to pair with EUT.
4. Set WiFi to obtain IP Address and execute Ping IP Address.
5. Turned on the GPS function & NFC function.
6. Started the test.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

Config 3

1. Let EUT install the SIM Card & SD Card.
2. Let USB Port of EUT connect to the Adapter.
3. Set the BT mouse to pair with EUT.
4. Set WiFi to obtain IP Address and execute Ping IP Address.
5. Turned on the GPS function & NFC function.
6. Played the MP3 music.
7. Started the test.

Config 4

1. Let EUT install the SIM Card & SD Card.
2. Let USB Port of EUT connect to the Earphone.
3. Set the BT mouse to pair with EUT.
4. Set WiFi to obtain IP Address and execute Ping IP Address.
5. Turned on the GPS function & NFC function.
6. Played the MP3 music.
7. Let USB Port of Cradle connect to the Adapter.
8. Put the EUT into Cradle to charge.
9. Started the test.

1.5 Description of Support Units

Micro SD	Transcend	Micro SDHC (Class4)	N/A
BT Mouse	Logitech	M555b	N/A
Radio Communication Analyzer	R&S	CMU200	102189
Radio Communication Analyzer	R&S	CMU500	1201.002K50-152303-Zr
AP	BUFFALO	WZR-HP-G300NH2	44066221202559[[G]]
GPS Signal Generator	Spectracom	GSG53 GNSS4	200218
Mouse	DELL	MS111-T	CN-OKW2YH-71616-345-OL7T
Printer	HP	VCVRA-1004	CN33K19J3F
Notebook	DELL	Latitude E5430	COVZYW1

Support Equipment Used in Tested Cable

Cable Type	Core	Length	Shielding/Non-shielding
N/A	N/A	N/A	N/A

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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.



1.6 Modification List

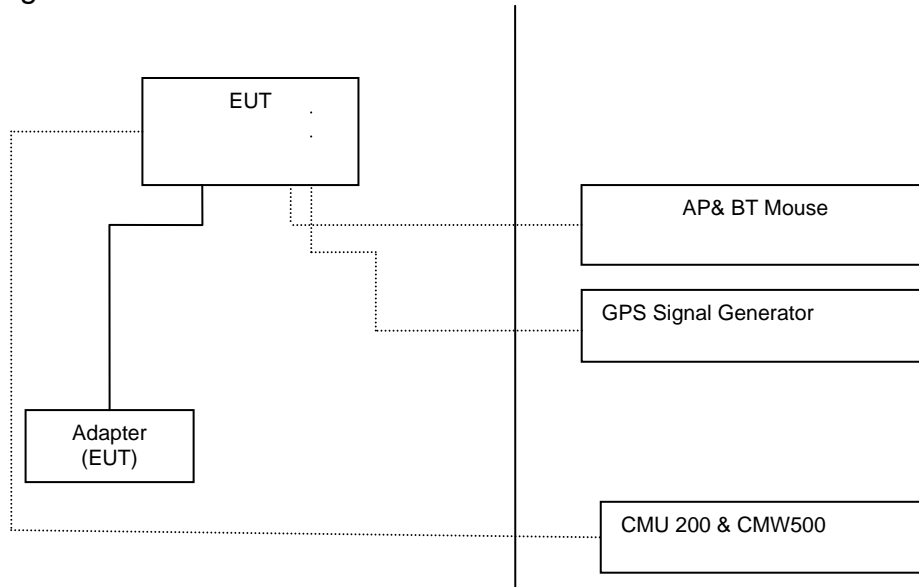
No modification was made by SGS Taiwan Electronics & Communication Laboratory.

1.7 Accessories Cable List

Cable Type	Core	Length	Shielding/Non-shielding
USB Cable	N/A	1M	Shielding
USB to Audio Cable	N/A	0.12M	Shielding
Earphone	N/A	1.25M	Non-shielding

1.8 Test Set-Up Configuration

Config 1



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

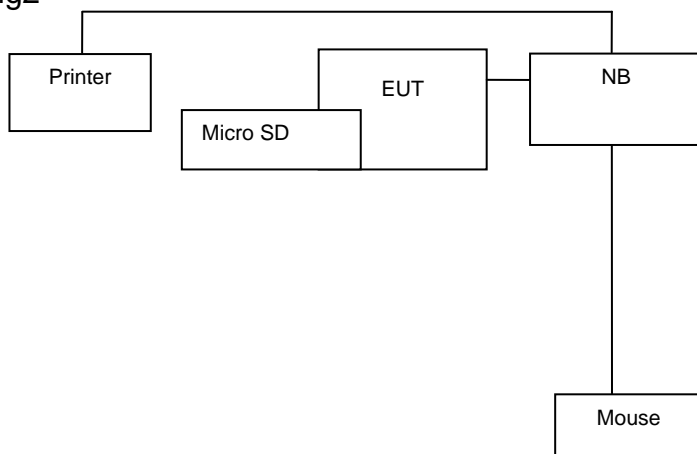
t (886-2) 2299-3279

f (886-2) 2298-0488

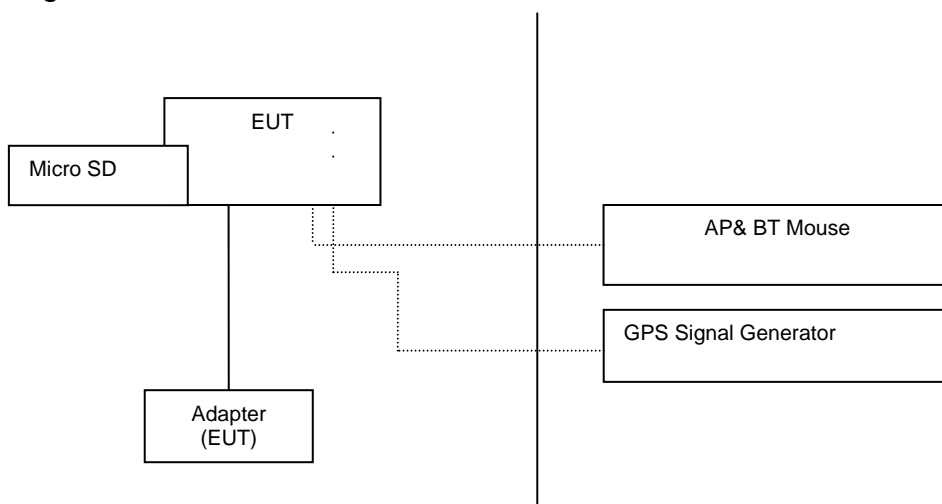
www.tw.sgs.com

Member of SGS Group

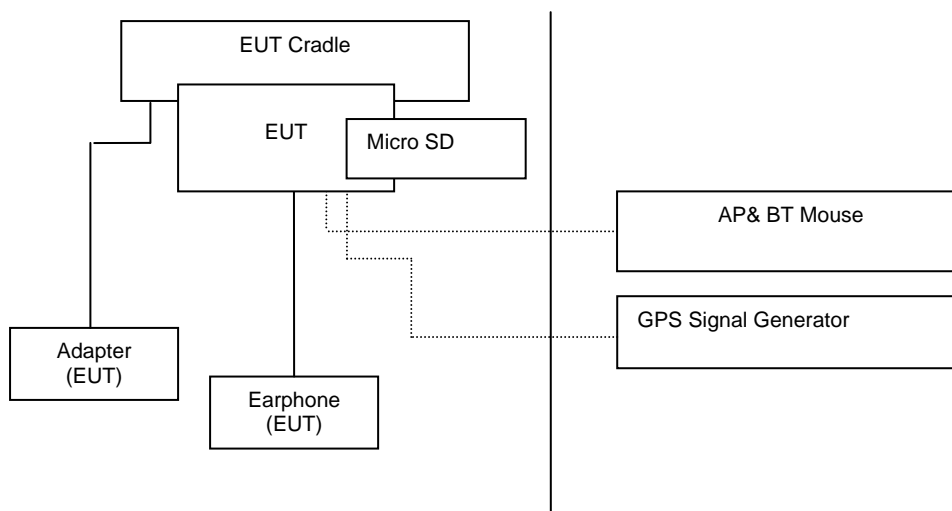
Config2



Config 3



Config 4



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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.



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 3/10m 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/CISPR 22

Test Standards	Status
FCC Part 15, Subpart B/ CISPR 22	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	11.1340	-9.30 (AVG)
			Neutral	0.3940	-13.46 (QP)
	Radiated Emission	PASS	Hor.	171.8800	-4.20 (QP)

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

Member of SGS Group

2. EMISSION

2.1 Test Results

	Results
Conducted Emission	Pass
Radiated Emission	Pass

2.2 Frequency Range

FCC Part 15, Subpart B:

Conducted Emission : 150 kHz - 30 MHz

Radiated Emission : See below table

Highest frequency generated or Upper frequency of measurement
used in the device or on which the range (MHz)
device operates or tunes (MHz)

Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

2.3 Limits of Conducted and Radiated Emission

2.3.1 Limits of Conducted Emission

FCC Part 15, Subpart B/CISPR 22:

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi - peak	Average	Quasi - peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

Note : (1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected there to, shall not exceed the level of field strengths specified above.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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.

2.3.2 Limits of Radiated Emissions

FCC Part 15, Subpart B 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	79.3	59.3	73.9	53.9

CISPR 22 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 1 The lower limit shall apply at the transition frequency.

NOTE 2 Additional provisions may be required for cases where interference occurs.

FREQUENCY (GHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	Average	Peak	Average	Peak
1~3	56	76	50	70
3~6	60	80	54	74

NOTE The lower limit applies at the transition frequency.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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.



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	2017/6/23	2018/6/22
Coaxial Cables	EMC Instruments Corp	EMCRG58-BM-BM-3000	160812	2017/8/30	2018/8/29
LISN	SCHWARZBECK	NSLK 8127	8127-648	2017/6/18	2018/6/17
Pulse Limiter	Narda S.T.S.	PMM PL01	1110X30602	2017/8/12	2018/8/11
LISN	Schwarzbeck	NSLK 8128	NSLK8128-300	2017/9/4	2018/9/3
Universal Digital Radio Communication Tester	R&S	CMU 200	122498	2016/11/9	2017/11/8
Wideband Radio Communication Tester	R&S	CMW 500	152303	2017/2/23	2018/2/22
Test S/W	Farad	EZ-EMC	Ver. SGS-03A2	N.C.R.	N.C.R.
SGS Taiwan LTD. Electronics & Communication Laboratory No.2, Keji 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) Measurement Uncertainty of Conducted Emission Expanded uncertainty (K=2) of conducted emission is 2.25 dB Expanded uncertainty (K=2) of ISN conducted emission is 2.57 dB					

2.4.2 Operating Environment

Temperature : 24 degree C

Humidity : 64 %RH

Atmospheric Pressure : 992 mBar

2.4.3 Measurement Level Calculation

Factor = LISN insertion loss + Cable loss + Pulse Limiter Insertion Loss

Measurement Level = Reading Level + Factor

Over (Margin) = Measurement Level – Limit

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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.

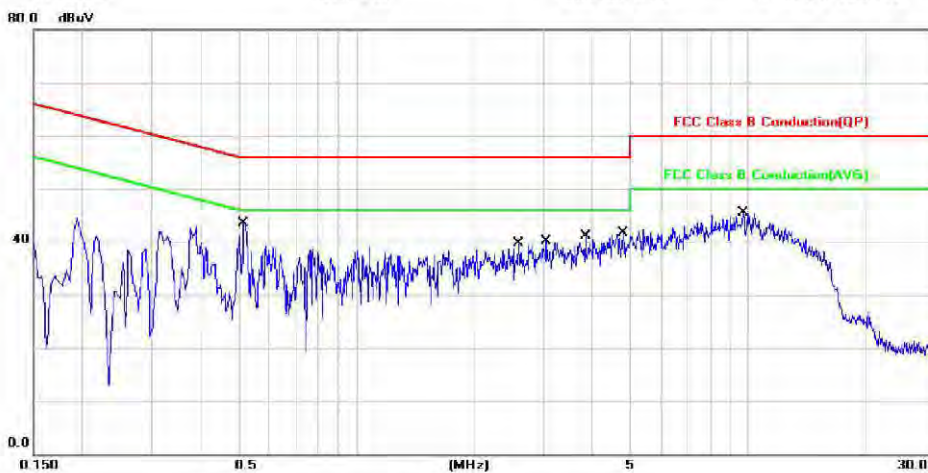
2.4.4 Measurement Data:

Config_1_L

Site : Conduction Room Phase: **L1** Temperature: 24 °C
Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 64 %
Mode: Config 1 GSM 1900
Note:

Conducted Emission

File :80213 Data :#23 Date: 2017/9/8 Time: 上午 02:04:02



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1	*	0.5180	39.30	0.35	39.65	56.00	-16.35	QP	
2		0.5180	26.80	0.35	27.15	46.00	-18.85	AVG	
3		2.6020	32.80	0.48	33.28	56.00	-22.72	QP	
4		2.6020	22.50	0.48	22.98	46.00	-23.02	AVG	
5		3.0580	33.50	0.51	34.01	56.00	-21.99	QP	
6		3.0580	22.20	0.51	22.71	46.00	-23.29	AVG	
7		3.8540	35.20	0.57	35.77	56.00	-20.23	QP	
8		3.8540	23.00	0.57	23.57	46.00	-22.43	AVG	
9		4.8180	35.80	0.61	36.41	56.00	-19.59	QP	
10		4.8180	24.50	0.61	25.11	46.00	-20.89	AVG	
11		9.7180	35.80	0.88	36.68	60.00	-23.32	QP	
12		9.7180	25.00	0.88	25.88	50.00	-24.12	AVG	

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

File :80213\Data :#23

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

Config_1_N

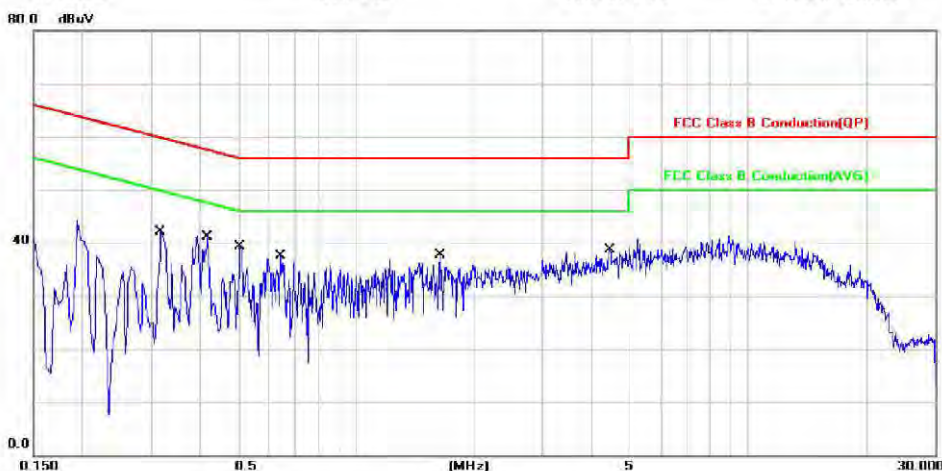
Site : Conduction Room
Limit: FCC Class B Conduction(QP)
Mode: Config 1 GSM 1900
Note:

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

Temperature: 24 °C
Humidity: 64 %

Conducted Emission

File :80213 Data :#24 Date: 2017/9/8 Time: 上午 02:05:23



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	dBuV	Factor	ment	dBuV	dB	Detector	Comment
1		0.3180	37.00	0.42	37.42	59.76	-22.34	QP	
2		0.3180	24.20	0.42	24.62	49.76	-25.14	AVG	
3		0.4180	33.60	0.42	34.02	57.49	-23.47	QP	
4		0.4180	18.20	0.42	18.62	47.49	-28.87	AVG	
5 *		0.5060	33.70	0.42	34.12	56.00	-21.88	QP	
6		0.5060	20.10	0.42	20.52	46.00	-25.48	AVG	
7		0.6420	32.60	0.42	33.02	56.00	-22.98	QP	
8		0.6420	20.70	0.42	21.12	46.00	-24.88	AVG	
9		1.6420	30.00	0.44	30.44	56.00	-25.56	QP	
10		1.6420	19.60	0.44	20.04	46.00	-25.96	AVG	
11		4.4420	31.50	0.48	31.98	56.00	-24.02	QP	
12		4.4420	21.00	0.48	21.48	46.00	-24.52	AVG	

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

File :80213\Data :#24

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

Config_2_L

Site : Conduction Room
Limit: FCC Class B Conduction(QP)
Mode: Config 2 Data Read/Write
Note: AC 120V/60Hz , Internal Sotrage Write

Phase: L1
Power: From System

Temperature: 24 °C
Humidity: 64 %

Conducted Emission

File :80213 Data :#10 Date: 2017/9/7 Time: 下午 09:09:51



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1740	45.40	0.34	45.74	64.77	-19.03	QP	
2		0.1740	33.30	0.34	33.64	54.77	-21.13	AVG	
3		0.2300	37.60	0.33	37.93	62.45	-24.52	QP	
4		0.2300	22.70	0.33	23.03	52.45	-29.42	AVG	
5		0.3020	35.50	0.34	35.84	60.19	-24.35	QP	
6		0.3020	28.50	0.34	28.84	50.19	-21.35	AVG	
7		0.4460	32.50	0.34	32.84	56.95	-24.11	QP	
8		0.4460	16.90	0.34	17.24	46.95	-29.71	AVG	
9		1.5300	29.00	0.41	29.41	56.00	-26.59	QP	
10		1.5300	21.90	0.41	22.31	46.00	-23.69	AVG	
11		24.5940	26.90	1.12	28.02	60.00	-31.98	QP	
12		24.5940	21.60	1.12	22.72	50.00	-27.28	AVG	

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

File :80213\Data :#10

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

Config_2_N

Site : Conduction Room
Limit: FCC Class B Conduction(QP)
Mode: Config 2 Data Read/Write
Note: AC 120V/60Hz , Internal Sotrage Write

Phase: N
Power: From System

Temperature: 24 °C
Humidity: 64 %

Conducted Emission

File :80213 Data :#9 Date: 2017/9/7 Time: 下午 09:08:53



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	dBuV	Factor	ment	dBuV	dB	Detector	Comment
1		0.1740	45.40	0.42	45.82	64.77	-18.95	QP	
2		0.1740	31.20	0.42	31.62	54.77	-23.15	AVG	
3		0.2140	42.10	0.41	42.51	63.05	-20.54	QP	
4		0.2140	31.20	0.41	31.61	53.05	-21.44	AVG	
5		0.4620	35.20	0.42	35.62	56.66	-21.04	QP	
6	*	0.4620	28.70	0.42	29.12	46.66	-17.54	AVG	
7		4.4780	26.20	0.48	26.68	56.00	-29.32	QP	
8		4.4780	21.00	0.48	21.48	46.00	-24.52	AVG	
9		16.1220	28.80	0.71	29.51	60.00	-30.49	QP	
10		16.1220	23.70	0.71	24.41	50.00	-25.59	AVG	
11		24.5500	28.00	0.89	28.89	60.00	-31.11	QP	
12		24.5500	22.70	0.89	23.59	50.00	-26.41	AVG	

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

File :80213\Data :#9

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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



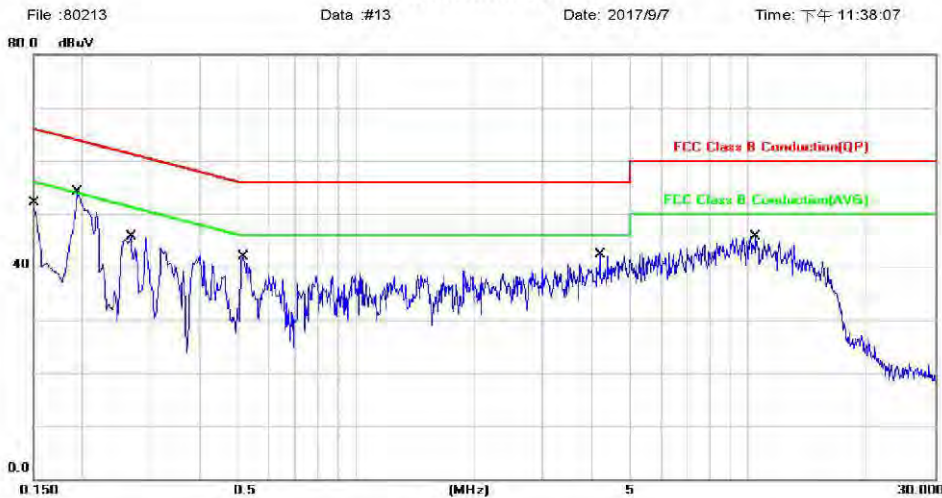
Config_3_L

Site : Conduction Room
 Limit: FCC Class B Conduction(QP)
 Mode: Config 3 MP3
 Note:

Phase: L1
 Power: AC 120V/60Hz

Temperature: 24 °C
 Humidity: 64 %

Conducted Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	dBuV	Factor	ment	dBuV	dB	Detector	Comment
1		0.1500	44.50	0.34	44.84	66.00	-21.16	QP	
2		0.1500	26.00	0.34	26.34	56.00	-29.66	AVG	
3 *		0.1940	50.80	0.33	51.13	63.86	-12.73	QP	
4		0.1940	37.00	0.33	37.33	53.86	-16.53	AVG	
5		0.2660	41.60	0.33	41.93	61.24	-19.31	QP	
6		0.2660	26.80	0.33	27.13	51.24	-24.11	AVG	
7		0.5140	36.90	0.35	37.25	56.00	-18.75	QP	
8		0.5140	25.90	0.35	26.25	46.00	-19.75	AVG	
9		4.1860	34.10	0.59	34.69	56.00	-21.31	QP	
10		4.1860	23.50	0.59	24.09	46.00	-21.91	AVG	
11		10.4820	35.80	0.89	36.69	60.00	-23.31	QP	
12		10.4820	24.90	0.89	25.79	50.00	-24.21	AVG	

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

File :80213\Data :#13

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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



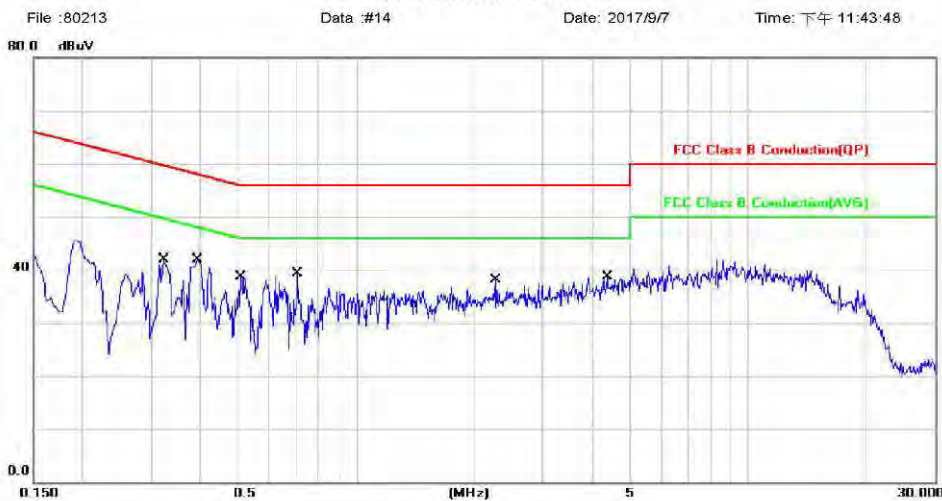
Config_3_N

Site : Conduction Room
Limit: FCC Class B Conduction(QP)
Mode: Config 3 MP3
Note:

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

Temperature: 24 °C
Humidity: 64 %

Conducted Emission



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.3220	37.40	0.42	37.82	59.66	-21.84	QP	
2		0.3220	26.00	0.42	26.42	49.66	-23.24	AVG	
3 *		0.3940	39.80	0.42	40.22	57.98	-17.76	QP	
4		0.3940	28.10	0.42	28.52	47.98	-19.46	AVG	
5		0.5100	33.60	0.42	34.02	56.00	-21.98	QP	
6		0.5100	21.70	0.42	22.12	46.00	-23.88	AVG	
7		0.7100	31.50	0.43	31.93	56.00	-24.07	QP	
8		0.7100	19.20	0.43	19.63	46.00	-26.37	AVG	
9		2.2780	29.50	0.45	29.95	56.00	-26.05	QP	
10		2.2780	19.20	0.45	19.65	46.00	-26.35	AVG	
11		4.3700	30.90	0.48	31.38	56.00	-24.62	QP	
12		4.3700	20.70	0.48	21.18	46.00	-24.82	AVG	

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

File :80213\Data :#14

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

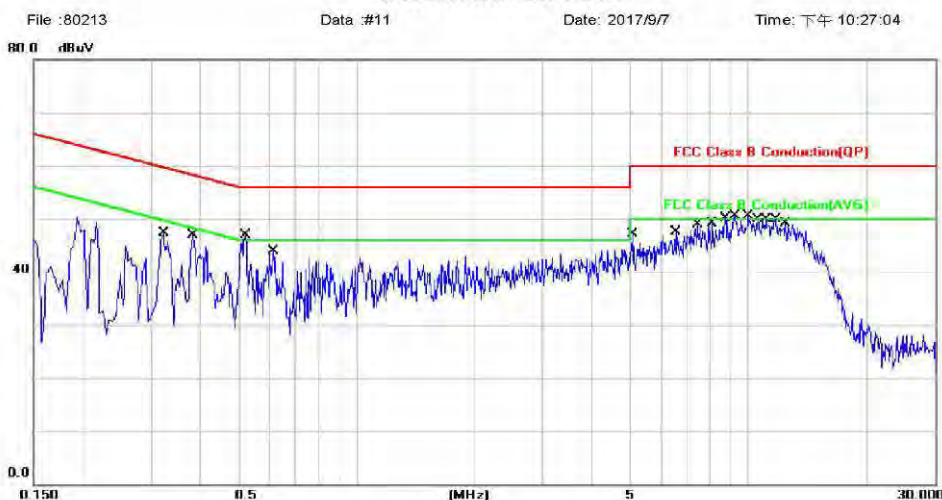
Config_4_L

Site : Conduction Room
Limit: FCC Class B Conduction(QP)
Mode: Config 4 Cradle Charger+MP3
Note:

Phase: L1
Power: AC 120V/60Hz

Temperature: 24 °C
Humidity: 64 %

Conducted Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	dBuV	Factor	ment	dBuV	dB	Detector	Comment
1		0.3220	43.40	0.34	43.74	59.66	-15.92	QP	
2		0.3220	33.40	0.34	33.74	49.66	-15.92	AVG	
3		0.3820	43.50	0.34	43.84	58.24	-14.40	QP	
4		0.3820	30.80	0.34	31.14	48.24	-17.10	AVG	
5		0.5220	42.80	0.35	43.15	56.00	-12.85	QP	
6		0.5220	31.20	0.35	31.55	46.00	-14.45	AVG	
7		0.6140	36.20	0.35	36.55	56.00	-19.45	QP	
8		0.6140	24.20	0.35	24.55	46.00	-21.45	AVG	
9		5.1100	37.30	0.62	37.92	60.00	-22.08	QP	
10		5.1100	27.90	0.62	28.52	50.00	-21.48	AVG	
11		6.5380	39.80	0.67	40.47	60.00	-19.53	QP	
12		6.5380	29.40	0.67	30.07	50.00	-19.93	AVG	
13		7.4100	40.20	0.70	40.90	60.00	-19.10	QP	

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

File :80213\Data :#11

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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



Config_4_L2

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
14		7.4100	29.30	0.70	30.00	50.00	-20.00	AVG	
15		8.1460	40.70	0.74	41.44	60.00	-18.56	QP	
16		8.1460	29.80	0.74	30.54	50.00	-19.46	AVG	
17		8.7660	41.30	0.83	42.13	60.00	-17.87	QP	
18		8.7660	30.20	0.83	31.03	50.00	-18.97	AVG	
19		9.2220	41.00	0.86	41.86	60.00	-18.14	QP	
20		9.2220	30.20	0.86	31.06	50.00	-18.94	AVG	
21		10.0420	41.70	0.89	42.59	60.00	-17.41	QP	
22		10.0420	30.10	0.89	30.99	50.00	-19.01	AVG	
23		10.5900	41.10	0.90	42.00	60.00	-18.00	QP	
24		10.5900	29.90	0.90	30.80	50.00	-19.20	AVG	
25		11.1340	41.50	0.90	42.40	60.00	-17.60	QP	
26 *		11.1340	39.80	0.90	40.70	50.00	-9.30	AVG	
27		11.7620	41.60	0.91	42.51	60.00	-17.49	QP	
28		11.7620	29.50	0.91	30.41	50.00	-19.59	AVG	
29		12.4540	40.90	0.91	41.81	60.00	-18.19	QP	
30		12.4540	29.30	0.91	30.21	50.00	-19.79	AVG	

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

File :80213\Data :#11

Page: 2

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

Config_4_N

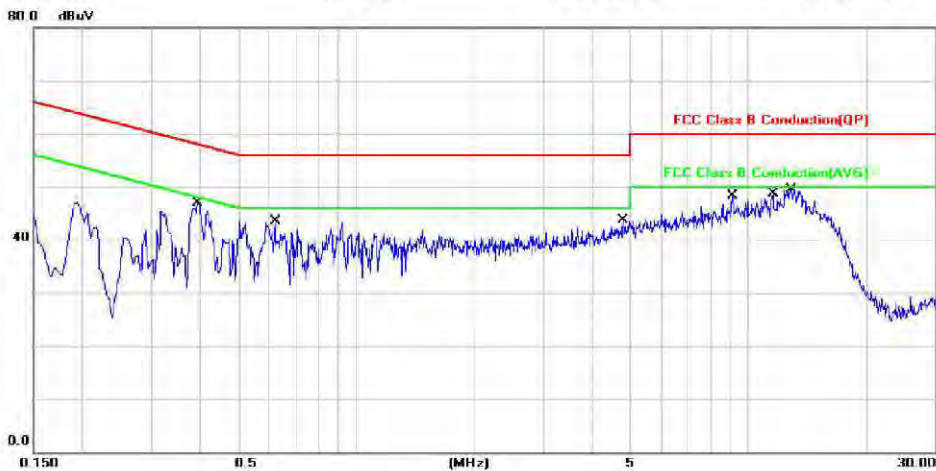
Site : Conduction Room
Limit: FCC Class B Conduction(QP)
Mode: Config 4 Cradle Charger+MP3
Note:

Phase: N
Power: AC 120V/60Hz

Temperature: 24 °C
Humidity: 64 %

Conducted Emission

File :80213 Data :#12 Date: 2017/9/7 Time: 下午 10:33:31



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	dBuV	Factor	ment	dBuV	dB	Detector	Comment
1	*	0.3940	44.10	0.42	44.52	57.98	-13.46	QP	
2		0.3940	32.00	0.42	32.42	47.98	-15.56	AVG	
3		0.6220	36.80	0.42	37.22	56.00	-18.78	QP	
4		0.6220	21.60	0.42	22.02	46.00	-23.98	AVG	
5		4.7980	35.50	0.48	35.98	56.00	-20.02	QP	
6		4.7980	24.80	0.48	25.28	46.00	-20.72	AVG	
7		9.1380	39.00	0.66	39.66	60.00	-20.34	QP	
8		9.1380	28.50	0.66	29.16	50.00	-20.84	AVG	
9		11.5860	40.20	0.68	40.88	60.00	-19.12	QP	
10		11.5860	28.50	0.68	29.18	50.00	-20.82	AVG	
11		12.9300	41.00	0.69	41.69	60.00	-18.31	QP	
12		12.9300	28.30	0.69	28.99	50.00	-21.01	AVG	

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

File :80213\Data :#12

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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 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	100924	2016/9/30	2017/9/29
EMI Test Receiver	R&S	ESCI 3	101343	2016/12/21	2017/12/20
Broadband Antenna	SCHWAZBECK	VULB9168	9168-628	2017/9/8	2018/9/7
Broadband Antenna	SCHWAZBECK	VULB9168	9168-629	2017/9/12	2018/9/11
Pre Amplifier	EMC Instruments Corp.	EMC330	980178	2017/3/31	2018/3/30
Pre Amplifier	EMC Instruments Corp.	EMC330	980179	2017/3/31	2018/3/30
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150917	2017/9/18	2018/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150919	2017/9/18	2018/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150820	2017/9/18	2018/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150918	2017/9/18	2018/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150821	2017/9/18	2018/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150822	2017/9/18	2018/9/17
Universal Digital Radio Communication Tester	R&S	CMU 200	122498	2016/11/9	2017/11/8
Wideband Radio Communication Tester	R&S	CMW 500	152303	2017/2/23	2018/2/22
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	2016/12/31	2017/12/31
Test S/W	Farad	EZ-EMC	Ver. SGS-03A2	N.C.R.	N.C.R.

SGS Taiwan LTD. Electronics & Communication Laboratory
 No.2, Keji 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
 Measurement Uncertainty of Radiated Emission
 Expanded uncertainty of radiated emission is 4.09 dB. (30MHz ~ 1000MHz)

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

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	2017/3/1	2018/2/28
EMI Test Receiver	R&S	ESR 7	101459	2017/2/17	2018/2/16
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D673	2016/10/14	2017/10/13
Horn Antenna	Schwarzbeck	BBHA9170	BBHA9170-184	2016/12/12	2017/12/11
Pre Amplifier	EMC Instruments Corp.	EMC012645B	980216	2017/4/25	2018/4/24
Pre Amplifier	EMC Instruments Corp.	EMC184045B	980135	2016/10/27	2017/10/26
Coaxial Cable	JUNFLOW	MWX221-NMSNMS	J0778929	2017/4/23	2018/4/22
Coaxial Cable	Huber+Suhner	SUCCOFLEX 104PEA	30255/4PEA	2017/4/23	2018/4/22
Coaxial Cable	EMC Instruments	EMC104-SM-SM	140927	2017/4/23	2018/4/22
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	MY 2152/2	2017/6/5	2018/6/4
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	MY 2153/2	2017/6/5	2018/6/4
Universal Digital Radio Communication Tester	R&S	CMU 200	122498	2016/11/9	2017/11/8
Wideband Radio Communication Tester	R&S	CMW 500	152303	2017/2/23	2018/2/22
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	2017/1/12	2018/1/11
Test S/W	Farad	EZ-EMC	Ver. SGS-03A2	N.C.R.	N.C.R.
SGS Taiwan LTD. Electronics & Communication Laboratory No.2, Keji 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) Measurement Uncertainty of Radiated Emission Expanded uncertainty (k=2) of radiated emission measurement is 5.05 dB. (1-6GHz) Expanded uncertainty (k=2) of radiated emission measurement is 5.07 dB. (6-18GHz) Expanded uncertainty (k=2) of radiated emission measurement is 5.19 dB. (18-26GHz) Expanded uncertainty (k=2) of radiated emission measurement is 5.14 dB. (26-40GHz)					

2.5.2 Operating Environment

Temperature : 25 degree C

Humidity : 65 %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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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



2.5.4 Measurement Data

Below 1GHz

Config_1_H

Site: SGS 10m Chamber
 Limit: CISPR22 Class B 10M Radiation
 Mode: Config_1
 Note: LTE B1 Link

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

Temperature: 25 °C
 Humidity: 65 %

Radiated Emission



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		196.5600	34.46	-14.76	19.70	30.00	-10.30	QP	
2		262.1300	36.25	-12.15	24.10	37.00	-12.90	QP	
3		851.2500	25.08	0.12	25.20	37.00	-11.80	QP	
4		912.6000	25.03	1.07	26.10	37.00	-10.90	QP	
5 *		968.1900	25.24	1.86	27.10	37.00	-9.90	QP	
6		989.5300	24.98	1.82	26.80	37.00	-10.20	QP	

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

File :80213\Data :#22

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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



Config_1_V

Site: SGS 10m Chamber
Limit: CISPR22 Class B 10M Radiation
Mode: Config_1
Note: LTE B1 Link

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

Temperature: 25 °C
Humidity: 65 %

Radiated Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	dBuV	Factor	ment	dBuV/m	dB	Detector	Comment
1		30.5800	30.30	-12.70	17.60	30.00	-12.40	QP	
2	*	68.0100	32.94	-13.24	19.70	30.00	-10.30	QP	
3		817.8800	25.36	-0.26	25.10	37.00	-11.90	QP	
4		912.4000	24.42	1.08	25.50	37.00	-11.50	QP	
5		966.2700	24.60	1.50	26.10	37.00	-10.90	QP	
6		991.1100	24.71	1.79	26.50	37.00	-10.50	QP	

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

File :80213\Data :#21

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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



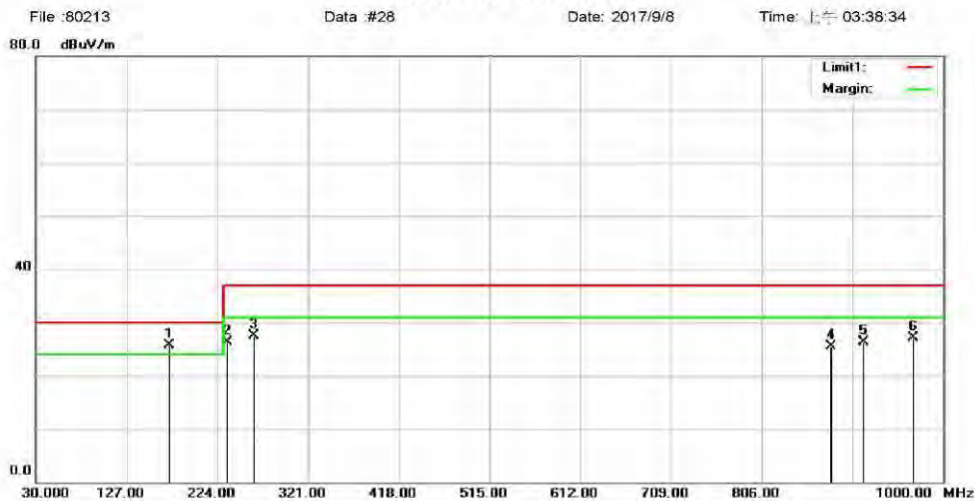
Config_2_H

Site: SGS 10m Chamber
Limit: CISPR22 Class B 10M Radiation
Mode: Config_2
Note: Data Link Internal storage Write

Polarization: **Horizontal**
Power: From System
Distance:

Temperature: 25 °C
Humidity: 65 %

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	*	171.8800	37.87	-12.07	25.80	30.00	-4.20	QP	
2		234.5500	40.30	-14.00	26.30	37.00	-10.70	QP	
3		262.0900	39.75	-12.15	27.60	37.00	-9.40	QP	
4		879.8800	25.08	0.52	25.60	37.00	-11.40	QP	
5		914.9400	25.17	1.13	26.30	37.00	-10.70	QP	
6		967.3200	25.24	1.86	27.10	37.00	-9.90	QP	

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

File :80213\Data :#28

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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



Config_2_V

Site: SGS 10m Chamber
Limit: CISPR22 Class B 10M Radiation
Mode: Config_2
Note: Data Link Internal storage Write

Polarization: **Vertical**
Power: From System
Distance:

Temperature: 25 °C
Humidity: 65 %

Radiated Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		65.7100	29.52	-12.82	16.70	30.00	-13.30	QP	
2	*	171.4600	35.42	-12.12	23.30	30.00	-6.70	QP	
3		774.2100	24.55	-0.45	24.10	37.00	-12.90	QP	
4		848.3800	24.51	-0.01	24.50	37.00	-12.50	QP	
5		921.3100	24.37	1.13	25.50	37.00	-11.50	QP	
6		991.6500	24.80	1.80	26.60	37.00	-10.40	QP	

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

File :80213\Data :#27

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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



Config_3_H

Site: SGS 10m Chamber
 Limit: CISPR22 Class B 10M Radiation
 Mode: Config_3
 Note: Audio MP3

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

Temperature: 25 °C
 Humidity: 65 %

Radiated Emission



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		196.5900	34.26	-14.76	19.50	30.00	-10.50	QP	
2	*	262.0700	39.86	-12.16	27.70	37.00	-9.30	QP	
3		327.5700	33.48	-10.08	23.40	37.00	-13.60	QP	
4		863.0700	24.82	0.28	25.10	37.00	-11.90	QP	
5		933.2300	25.37	1.53	26.90	37.00	-10.10	QP	
6		992.9500	25.28	1.82	27.10	37.00	-9.90	QP	

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

File :80213\Data :#24

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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



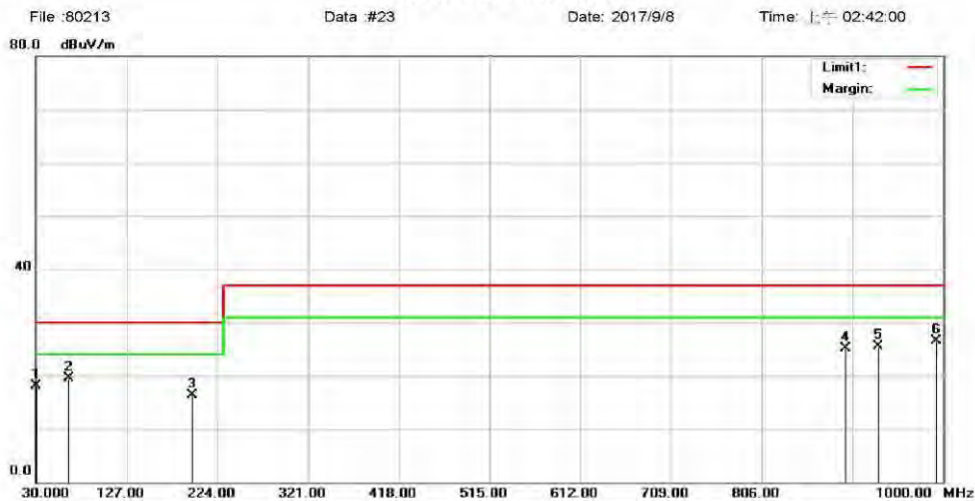
Config_3_V

Site: SGS 10m Chamber
 Limit: CISPR22 Class B 10M Radiation
 Mode: Config_3
 Note: Audio MP3

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

Temperature: 25 °C
 Humidity: 65 %

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		30.9200	30.75	-12.65	18.10	30.00	-11.90	QP	
2 *		65.1200	32.22	-12.72	19.50	30.00	-10.50	QP	
3		196.5600	30.76	-14.36	16.40	30.00	-13.60	QP	
4		894.9800	24.30	0.90	25.20	37.00	-11.80	QP	
5		929.3500	24.42	1.18	25.60	37.00	-11.40	QP	
6		991.4500	24.70	1.80	26.50	37.00	-10.50	QP	

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

File :80213\Data :#23

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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



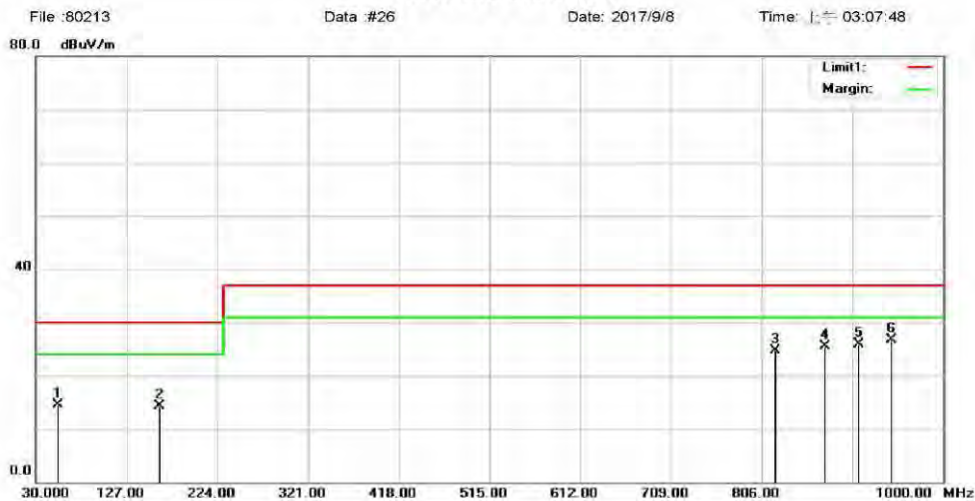
Config_4_H

Site: SGS 10m Chamber
Limit: CISPR22 Class B 10M Radiation
Mode: Config_4
Note: Cradle Charger + MP3

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

Temperature: 25 °C
Humidity: 65 %

Radiated Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	dBuV	Factor	ment			Detector	Comment
1		53.1000	26.15	-11.65	14.50	30.00	-15.50	QP	
2		161.0500	25.93	-11.63	14.30	30.00	-15.70	QP	
3		820.4300	24.99	-0.19	24.80	37.00	-12.20	QP	
4		873.1300	25.08	0.42	25.50	37.00	-11.50	QP	
5		909.5500	24.89	1.01	25.90	37.00	-11.10	QP	
6 *		944.4500	25.02	1.78	26.80	37.00	-10.20	QP	

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

File :80213\Data :#26

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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



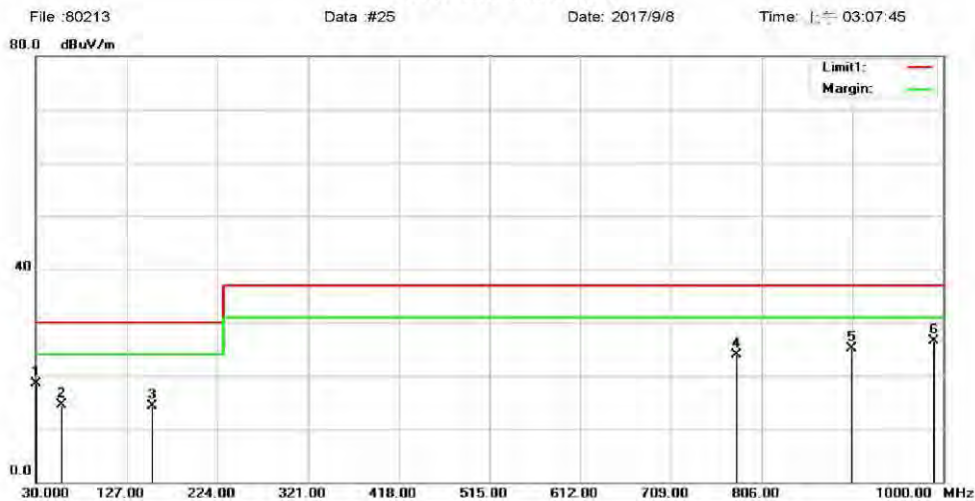
Config_4_V

Site: SGS 10m Chamber
 Limit: CISPR22 Class B 10M Radiation
 Mode: Config_4
 Note: Cradle Charger + MP3

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

Temperature: 25 °C
 Humidity: 65 %

Radiated Emission



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		30.3000	31.26	-12.76	18.50	30.00	-11.50	QP	
2		56.9800	26.06	-11.56	14.50	30.00	-15.50	QP	
3		153.4100	25.76	-11.36	14.40	30.00	-15.60	QP	
4		778.6200	24.34	-0.44	23.90	37.00	-13.10	QP	
5		901.3000	24.19	1.01	25.20	37.00	-11.80	QP	
6 *		989.6100	24.72	1.78	26.50	37.00	-10.50	QP	

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

File :80213\Data :#25

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

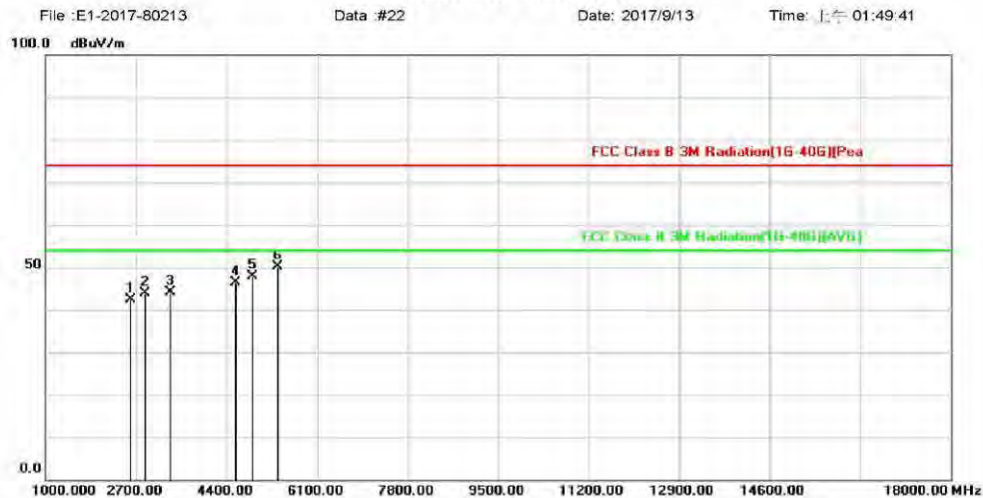


Above 1GHz

Config_1_H

Site: SGS 966 Chamber A	Polarization: Horizontal	Temperature: 22 °C
Limit: FCC Class B 3M Radiation(1G-40G)(Pea	Power: AC 120V/60Hz	Humidity: 70 %
Mode: Config_1	Distance:	
Note: LTE Band 1		

Radiated Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	dBuV	Factor	ment			Detector	Comment
1		2598.000	56.00	-13.61	42.39	74.00	-31.61	peak	
2		2870.000	56.92	-13.14	43.78	74.00	-30.22	peak	
3		3346.000	55.97	-11.92	44.05	74.00	-29.95	peak	
4		4570.000	55.29	-8.93	46.36	74.00	-27.64	peak	
5		4893.000	55.60	-7.63	47.97	74.00	-26.03	peak	
6 *		5369.000	56.77	-6.75	50.02	74.00	-23.98	peak	

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

File :E1-2017-80213Data :#22

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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



Config_1_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: 70 %

Mode: Config_1

Distance:

Note: LTE Band 1

Radiated Emission

File :E1-2017-80213

Data :#21

Date: 2017/9/13

Time: 上午 01:47:56

100.0 dBuV/m



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		2853.000	57.43	-13.16	44.27	74.00	-29.73	peak	
2		3159.000	56.52	-12.46	44.06	74.00	-29.94	peak	
3		3669.000	56.39	-10.78	45.61	74.00	-28.39	peak	
4		4638.000	56.13	-8.65	47.48	74.00	-26.52	peak	
5		4791.000	56.80	-8.03	48.77	74.00	-25.23	peak	
6 *		5369.000	57.61	-6.75	50.86	74.00	-23.14	peak	

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

File :E1-2017-80213>Data :#21

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

Config_2_H

Site: SGS 966 Chamber A

Polarization: **Horizontal**

Temperature: 22 °C

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

Power: From System

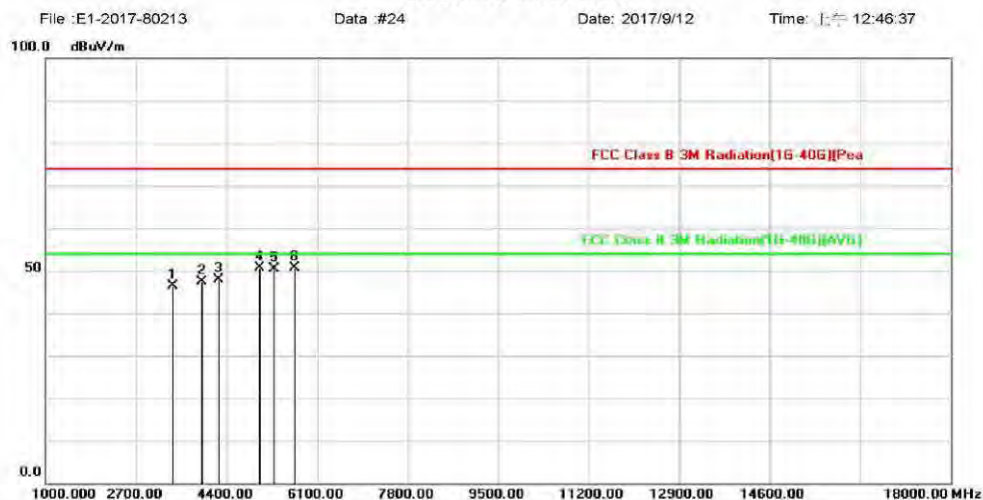
Humidity: 70 %

Mode: Config_2

Distance:

Note: Data Link Internal Storage Write

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		3380.000	58.22	-11.84	46.38	74.00	-27.62	peak	
2		3941.000	57.14	-9.65	47.49	74.00	-26.51	peak	
3		4247.000	57.21	-9.30	47.91	74.00	-26.09	peak	
4		5012.000	57.71	-7.19	50.52	74.00	-23.48	peak	
5		5284.000	57.14	-6.85	50.29	74.00	-23.71	peak	
6 *		5675.000	56.81	-6.21	50.60	74.00	-23.40	peak	

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

File: E1-2017-80213>Data: #24

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

Config_2_V

Site: SGS 966 Chamber A

Polarization: **Vertical**

Temperature: 22 °C

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

Power: From System

Humidity: 70 %

Mode: Config_2

Distance:

Note: Data Link Internal Storage Write

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		2581.000	59.67	-13.65	46.02	74.00	-27.98	peak	
2		4060.000	57.45	-9.38	48.07	74.00	-25.93	peak	
3		4859.000	57.25	-7.77	49.48	74.00	-24.52	peak	
4		5097.000	57.08	-7.08	50.00	74.00	-24.00	peak	
5		5335.000	57.56	-6.79	50.77	74.00	-23.23	peak	
6		5760.000	57.65	-6.03	51.62	74.00	-22.38	peak	
7	*	5760.000	44.02	-6.03	37.99	54.00	-16.01	AVG	

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

File: E1-2017-80213>Data: #23

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

Config_3_H

Site: SGS 966 Chamber A
Limit: FCC Class B 3M Radiation(1G-40G)(Pea
Mode: Config_3
Note: MP3

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

Temperature: 22 °C
Humidity: 70 %

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		3499.000	57.63	-11.50	46.13	74.00	-27.87	peak	
2		4111.000	57.26	-9.36	47.90	74.00	-26.10	peak	
3		4621.000	57.62	-8.72	48.90	74.00	-25.10	peak	
4		4927.000	57.46	-7.48	49.98	74.00	-24.02	peak	
5		5335.000	57.96	-6.79	51.17	74.00	-22.83	peak	
6		5335.000	44.56	-6.79	37.77	54.00	-16.23	AVG	
7		5726.000	57.26	-6.10	51.16	74.00	-22.84	peak	
8 *		5726.000	44.11	-6.10	38.01	54.00	-15.99	AVG	

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

File :E1-2017-80213Data :#26

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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.

Config_3_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: 70 %

Mode: Config_3

Distance:

Note: MP3

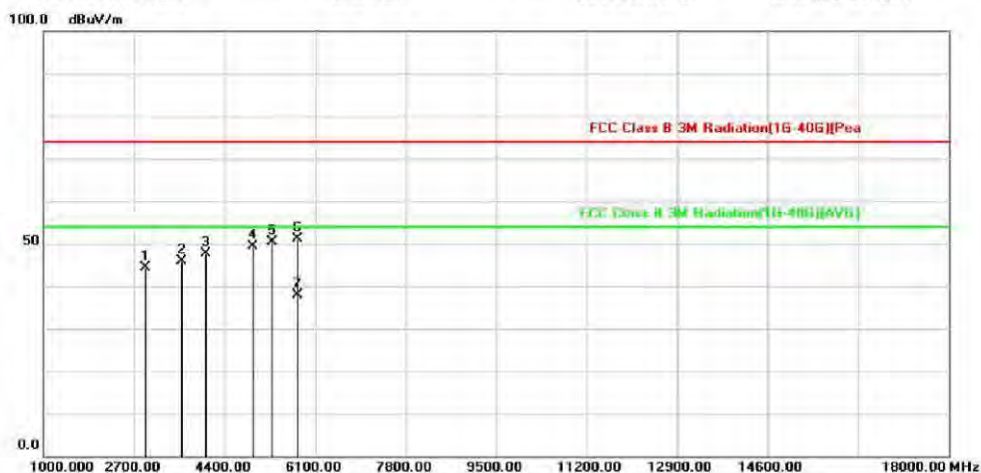
Radiated Emission

File :E1-2017-80213

Data :#25

Date: 2017/9/12

Time: 上午 01:32:17



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		2904.000	57.52	-13.07	44.45	74.00	-29.55	peak	
2		3601.000	57.03	-11.08	45.95	74.00	-28.05	peak	
3		4043.000	57.01	-9.38	47.63	74.00	-26.37	peak	
4		4927.000	56.91	-7.48	49.43	74.00	-24.57	peak	
5		5301.000	57.20	-6.84	50.36	74.00	-23.64	peak	
6		5777.000	57.06	-5.99	51.07	74.00	-22.93	peak	
7 *		5777.000	43.96	-5.99	37.97	54.00	-16.03	AVG	

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

File :E1-2017-80213>Data :#25

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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



Config_4_H

Site: SGS 966 Chamber A

Polarization: **Horizontal**

Temperature: 22 °C

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

Power: AC 120V/60Hz

Humidity: 70 %

Mode: Config_4

Distance:

Note: Cradle Charger + MP3

Radiated Emission

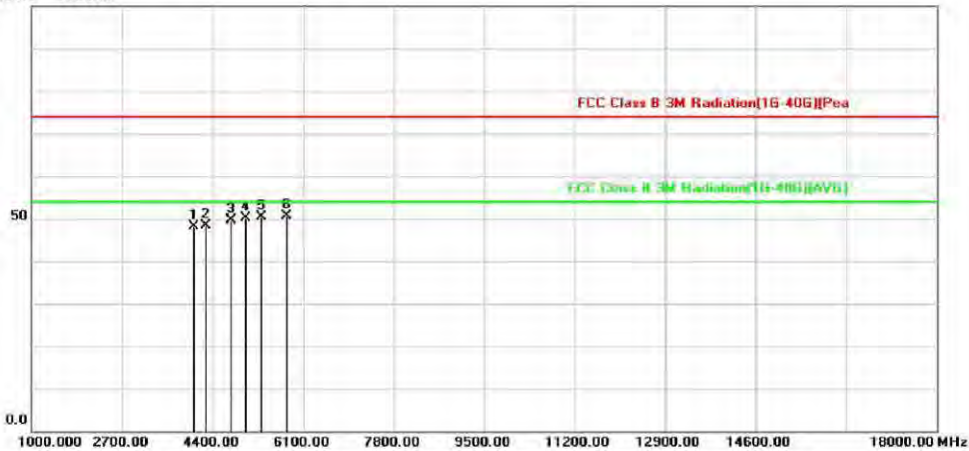
File :E1-2017-80213

Data :#28

Date: 2017/9/12

Time: 上午 02:19:05

100.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	dBuV	Factor	ment			Detector	Comment
1		4043.000	57.55	-9.38	48.17	74.00	-25.83	peak	
2		4281.000	57.66	-9.28	48.38	74.00	-25.62	peak	
3		4757.000	57.76	-8.17	49.59	74.00	-24.41	peak	
4		5012.000	57.41	-7.19	50.22	74.00	-23.78	peak	
5		5318.000	57.10	-6.83	50.27	74.00	-23.73	peak	
6 *		5794.000	56.59	-5.95	50.64	74.00	-23.36	peak	

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

File :E1-2017-80213>Data :#28

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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

Config_4_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: 70 %

Mode: Config_4

Distance:

Note: Cradle Charger + MP3

Radiated Emission

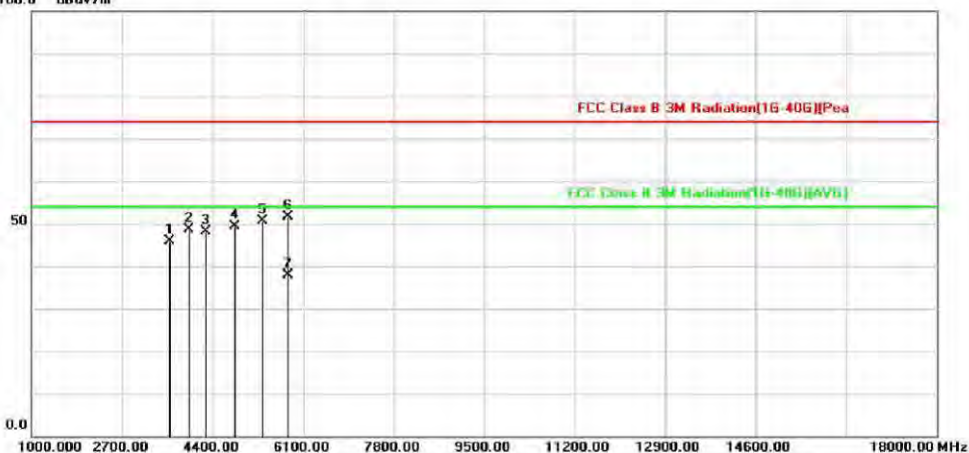
File :E1-2017-80213

Data :#27

Date: 2017/9/12

Time: 上午 02:16:48

100.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		3584.000	57.02	-11.15	45.87	74.00	-28.13	peak	
2		3958.000	58.18	-9.57	48.61	74.00	-25.39	peak	
3		4264.000	57.36	-9.29	48.07	74.00	-25.93	peak	
4		4808.000	57.42	-7.97	49.45	74.00	-24.55	peak	
5		5335.000	57.34	-6.79	50.55	74.00	-23.45	peak	
6		5811.000	57.44	-5.91	51.53	74.00	-22.47	peak	
7 *		5811.000	43.88	-5.91	37.97	54.00	-16.03	AVG	

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

File :E1-2017-80213>Data :#27

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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 and for electronic format documents, subject to Terms and Conditions for Electronic Documents at 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