



# FCC CERTIFICATION REPORT

**Test Report No.** : E1/2016/A0075  
**Applicant** : Huawei Technologies Co., Ltd.  
**Address** : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C.  
**Manufacturer** : Huawei Technologies Co., Ltd.  
**Address** : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C.

## Equipment Under Test (EUT) :

**Product Name** : Smart Phone  
**Brand Name** : HUAWEI  
**Model No.** : HUAWEI CAN-L13, CAN-L13, HUAWEI CAN-L03, CAN-L03  
**Added Model(s)** : N/A

**Standards** : FCC Part 15:2016, Subpart B, Class B

**Date of Receipt** : Oct. 11, 2016

**Date of Test** : Oct. 11 ~ 21, 2016

**Date of Issue** : Oct. 27, 2016

<b>Test Result :</b>	<b>PASS</b>
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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.

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**Tested By:**

*Johnny Ho*

**Date**

Oct. 27, 2016

**Johnny Ho (Engineer)**

**Approved By**

*Wisely Huang*

**Date**

Oct. 27, 2016

**Wisely Huang  
(Assistant Supervisor)**



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## Revision History

Report Number	Revision	Description	Issue Date
E1/2016/A0075	Rev.00	Initial creation of document	Oct. 27, 2016

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# Contents

<b>1. GENERAL INFORMATION.....</b>	<b>4</b>
1.1 APPLICANT & MANUFACTURER INFORMATION .....	4
1.2 GENERAL DESCRIPTION OF EUT .....	4
1.3 DETAILS OF EUT .....	4
1.4 OPERATION PROCEDURE .....	6
1.5 DESCRIPTION OF SUPPORT UNITS .....	7
1.6 MODIFICATION LIST .....	7
1.7 CABLE LIST .....	7
1.8 TEST SET-UP CONFIGURATION.....	8
1.9 MEASUREMENT PROCEDURE .....	10
1.10 STANDARDS APPLICABLE FOR TESTING.....	13
1.11 SUMMARY OF RESULTS .....	13
<b>2. EMISSION .....</b>	<b>14</b>
2.1 TEST RESULTS .....	14
2.2 FREQUENCY RANGE.....	14
2.3 LIMITS OF CONDUCTED AND RADIATED EMISSION .....	14
2.3.1 LIMITS OF CONDUCTED EMISSION FOR FCC PART 15, SUBPART B/CISPR 22.....	14
2.3.2 LIMITS OF RADIATED EMISSIONS FOR FCC PART 15, SUBPART B/CISPR 22.....	15
2.4. TEST OF CONDUCTED EMISSION.....	16
2.4.1 TEST EQUIPMENTS .....	16
2.4.2 OPERATING ENVIRONMENT .....	16
2.4.3 MEASUREMENT LEVEL CALCULATION .....	16
2.4.4 MEASUREMENT DATA:.....	17
2.5 TEST OF RADIATED EMISSION.....	19
2.5.1 TEST EQUIPMENTS .....	19
2.5.2 OPERATING ENVIRONMENT .....	20
2.5.3 MEASUREMENT LEVEL CALCULATION .....	20
2.5.4 MEASUREMENT DATA.....	21

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# 1. General Information

## 1.1 Applicant & Manufacturer Information

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

## 1.2 General Description of EUT

Product Name : Smart Phone  
Brand Name : HUAWEI  
Model No. : HUAWEI CAN-L13, CAN-L13, HUAWEI CAN-L03, CAN-L03  
Added Model(s) : N/A  
Model Difference : The only differences between the new model and the original model are:  
Model HUAWEI CAN-L13, CAN-L13 is a smart phone with dual SIM.  
Model HUAWEI CAN-L03, CAN-L03 is a smart phone with single SIM.  
The difference of them is only for SIM CARD. HUAWEI CAN-L03, CAN-L03 delete one SIM by software.

## 1.3 Details of EUT

Power Supply : AC 120V, 60Hz  
Modes/Function : Mode 1. Earphone: Hong sheng+BT Link+WiFi Link+GPS Link+USB: FOXCONN  
+ADP: HW-050200U01 #BYD+Camera Front REC  
Mode 2. Earphone: Quancheng+BT Link+WiFi Link+GPS Link+USB: FOXCONN  
+ADP: HW-050200U01 #BYD+Camera Rear REC



- Mode 3. Earphone:Hong sheng+BT Link+WiFi  
Link+GPS Link+USB:FOXCONN  
+ADP:HW-050200U01 #BYD+GSM:850 Link
- Mode 4. Earphone:Hong sheng+BT Link+WiFi  
Link+GPS Link+USB:Luxshareict  
+ADP:HW-050200U01 #BYD+3G:B1 Link
- Mode 5. Earphone:Hong sheng+BT Link+WiFi  
Link+GPS Link+USB:Hongin  
+ADP:HW-050200U01 #BYD+LTE:B7 Link
- Mode 6. Earphone:Hong sheng+BT Link+WiFi  
Link+GPS Link+USB:Luxshareict  
+ADP:HW-050200U01 #BYD+FM
- Mode 7. Earphone:Hong sheng+BT Link+WiFi  
Link+GPS Link+USB:FOXCONN  
+ADP:HW-050200U01 #Phitek+Camera Front  
REC
- Mode 8. Earphone:Hong sheng+BT Link+WiFi  
Link+GPS Link+USB:FOXCONN  
+ ADP:HW-050200U01 #Huntkey+Camera  
Front REC
- Mode 9. PC LINK Micro SD Write
- Mode 10. PC LINK Micro SD Read
- Worst case : CE Worst : Mode 1. Earphone:Hong sheng+BT  
Link+WiFi Link+GPS Link  
+USB:FOXCONN  
+ADP:HW-050200U01  
#BYD+Camera Front REC
- RE Worst : Mode 8. Earphone:Hong sheng  
+BT Link+WiFi Link  
+GPS Link+USB:FOXCONN  
+ ADP:HW-050200U01  
#Huntkey+Camera Front REC
- Highest operate description : 2480MHz
- Adapter : Model No.:HW-050200U01  
Supplier : HUAWEI  
I/P :100-240V, 50/60Hz, 0.5A  
O/P : 5V, 2A

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## 1.4 Operation Procedure

Test Mode: 1, 7, 8

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

Test Mode: 2

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

Test Mode: 3, 4, 5

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

Test Mode: 6

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

Test Mode: 9

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

Test Mode: 10

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

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### 1.5 Description of Support Units

PRODUCT	MANUFACTURER	MODEL NO.	SERIAL NO.
Micro SD	Transcend	Micro SDHC (Class4)	N/A
BT Speaker	Creative	MF8090	YFMF8090245R00855Y
AP	BUFFALO	WZR-HP-G300NH2	44066221202559[[G]]
GPS Signal Generator	Spectracom	GSG53 GNSS4	200218
Mouse (EMI)	DELL	MS111-T	CN-OKW2YH-71616-345-OL7T
Printer (EMI)	HP	VCVRA-1004	CN33K19J3F
Notebook (EMI)(Win8)	DELL	P37G	H55Z0Z1
TMC/FM Generator	Levear	VP-8194D	0821170LA

### 1.6 Modification List

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

### 1.7 Cable List

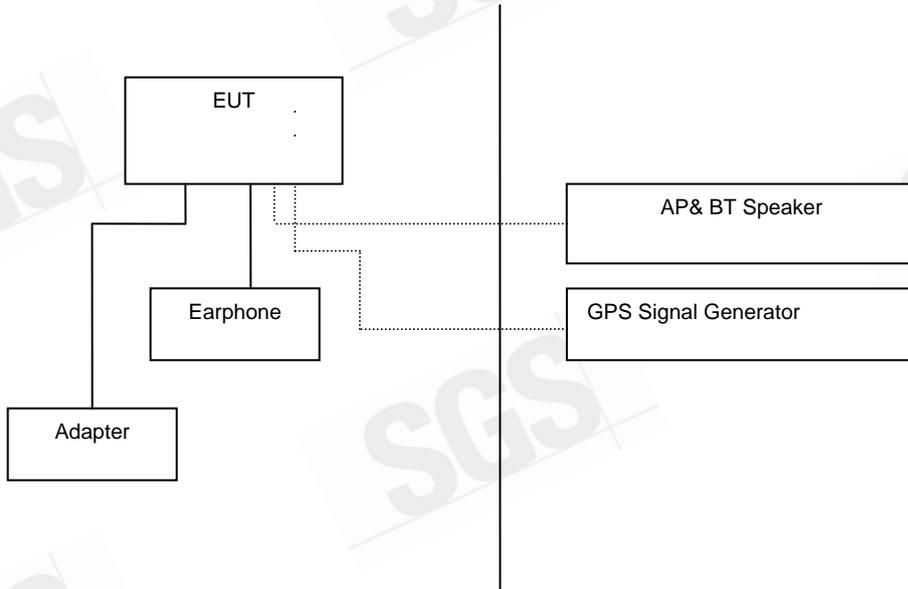
Cable Type	Core	Length	Shielding/Non-shielding
USB cable (Hongjin)	N/A	0.95m	Shielding
USB cable (Luxshareict)	N/A	0.95m	Shielding
USB cable (Foxconn)	N/A	0.95m	Shielding
Earphone cable (Quancheng)	N/A	1.1m	Non-shielding
Earphone cable (Hong sheng)	N/A	1.1m	Non-shielding

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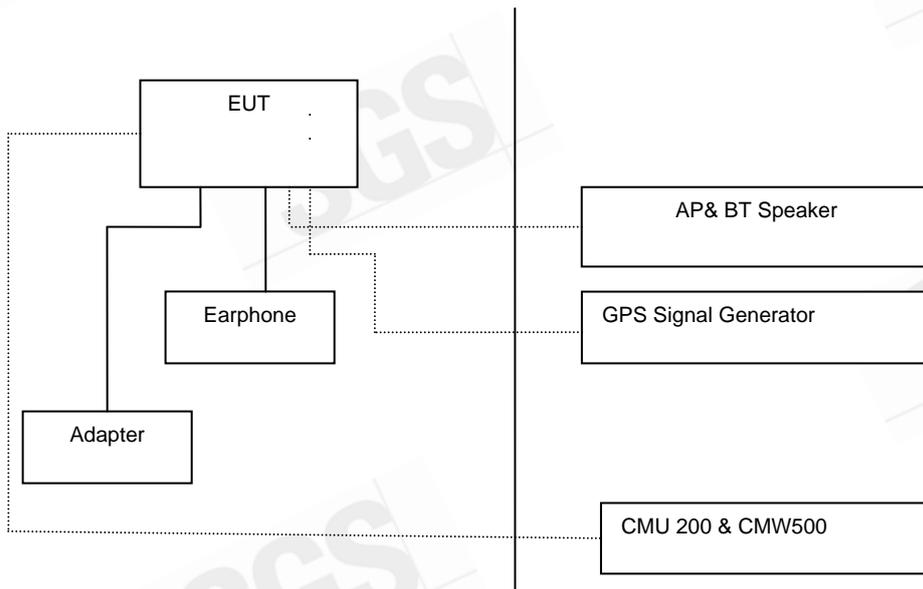
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### 1.8 Test Set-Up Configuration

Test mode 1~2,7~8



Test mode 3~5

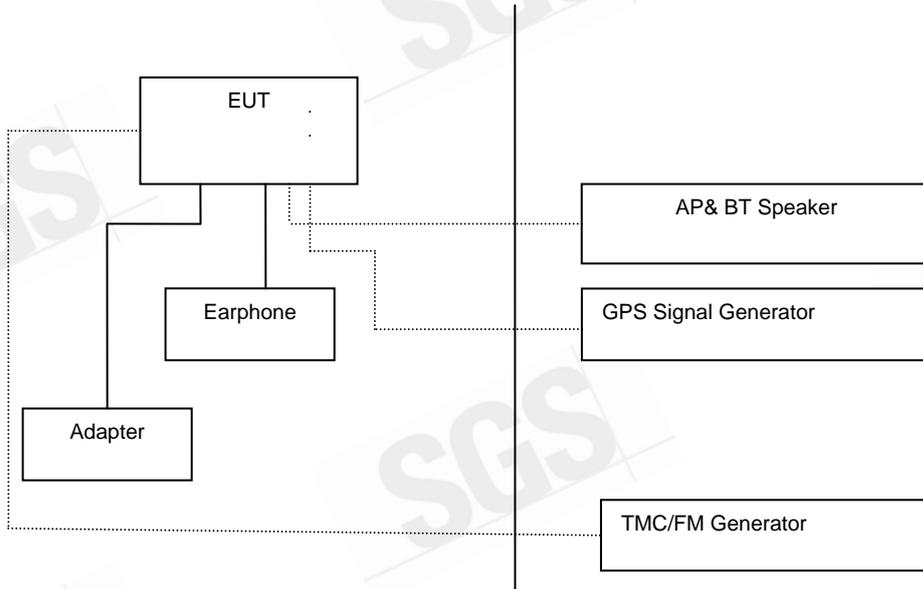


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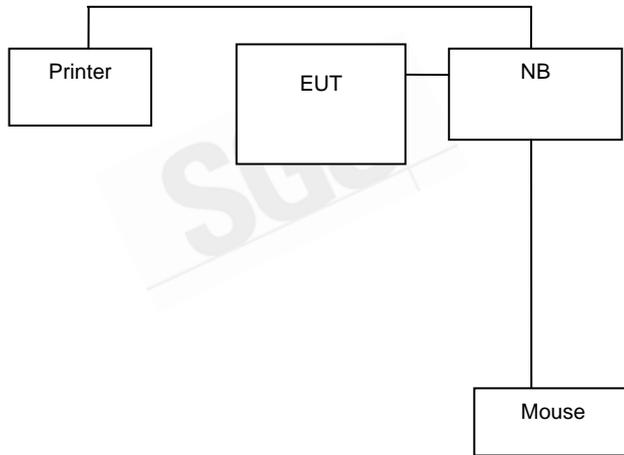
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Test mode 6



Test mode 9~10



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## 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.

Exploratory measurements shall be used to identify the frequency of the emission that has the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation, with typical cable positions, and with a typical system equipment configuration and arrangement. For each mode of operation and for each ac power current-carrying conductor, cable manipulation may be performed within the range of likely configurations. For this measurement or series of measurements, the frequency spectrum of interest shall be monitored looking for the emission that has the highest amplitude relative to the limit.

Once that emission is found for each current-carrying conductor of each power cord associated with the EUT (but not the cords associated with non-EUT equipment in the overall system), the one configuration and arrangement and mode of operation that produces the emission closest to the limit across all the measured conductors is recorded.

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

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For 9kHz to 1GHz Exploratory radiated emissions measurements, follow below procedure:

- a) Exploratory radiated measurements shall be performed at the measurement distance or at a closer distance than that specified for compliance to determine the emission characteristics of the EUT and recorded in tabular or graphical form. Significant emissions are identified using a remote-controlled turntable and antenna positioner and monitoring the spectrum while changing the EUT (turntable) azimuth, antenna polarity, and height. This spectrum exploratory monitoring can also be performed by manually moving the receiving antenna around the EUT to pick up significant emissions. A shielded room may be used for exploratory testing, but care must be taken to account for shielded room reflections that can lead to significant errors in amplitude measurements.
- b) Broadband antennas and a spectrum analyzer or an EMI receiver with a panoramic display are most often used in this type of testing. It is recommended that either a headset or loudspeaker be connected as an aid in detecting ambient signals and finding frequencies of significant emission from the EUT when the exploratory and final testing is performed at an OATS with strong ambient signals. Caution should be taken if either antenna heights between 1 m and 4 m or EUT azimuth is not fully explored. Not fully exploring these parameters during exploratory testing may require complete testing at the OATS or semi-anechoic chamber when the final full spectrum testing is conducted.

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- c) The EUT should be set up in its typical configuration and arrangement and operated in its various modes. For tabletop systems, cables or wires not bundled in the initial setup shall be manipulated within the range of likely arrangements. For floor-standing equipment, the cables or wires should be located in the same manner as the user would install them and no further manipulation is made. For combination EUTs, the tabletop and floor-standing portions of the EUT shall follow the procedures for their respective setups and cable manipulation. If the manner of cable installation is not known, or if it changes with each installation, cables or wires for floor-standing equipment shall be manipulated to the extent possible to produce the maximum level of emissions.
- d) Exploratory radiated emissions testing of handheld and/or body-worn devices shall include rotation of the EUT through three orthogonal axes to determine the orientation (attitude) that maximizes the emissions. This equipment arrangement shall be used in the final measurements of radiated emission from the EUT.
- e) For each mode of operation required to be tested, the frequency spectrum shall be monitored. Variations in antenna height between 1 m and 4 m, antenna polarization, EUT azimuth, and cable or wire placement (each variable within bounds specified elsewhere) shall be explored to produce the emission that has the highest amplitude relative to the limit.

For 1GHz to 40GHz Exploratory radiated emissions measurements, follow below procedure: When measuring emissions above 1 GHz, the frequencies of maximum emission shall be determined by manually (or with an articulated antenna positioner) positioning the antenna close to the EUT and then moving the measurement antenna over the surfaces of the EUT while observing a spectral display. It will be advantageous to have prior knowledge of the frequencies of emissions above 1 GHz to help in the search for emissions at those frequencies.

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

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### 1.10 Standards Applicable for Testing

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

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

### 1.11 Summary of Results

Highest Emission					
Standard	Test Type	Result	Phase/Pol.	Frequency(MHz)	Margin(dB)
FCC Part 15 Subpart B Class B	Conducted Emission	PASS	Line	0.5860	-10.84 (AVG)
			Neutral	0.1660	-8.98 (QP)
	Radiated Emission	PASS	Ver.	30.4000	-8.10 (QP)

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## 2. EMISSION

### 2.1 Test Results

	Results
Conducted Emission	Pass
Radiated Emission	Pass

### 2.2 Frequency Range

Conducted Emission : 150 kHz - 30 MHz

Radiated Emission : See below table

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

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

#### FCC Limit:

- Detector Function : Quasi – Peak

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

- Detector Function : Peak , Average

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

#### CISPR Limit:

- Detector Function : Quasi – Peak

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

Note : The lower limit applies at the transition frequency.



## 2.4. Test of Conducted Emission

### 2.4.1 Test Equipments

SGS Conducted Emission HWAYA Conducted Room No.A EMC					
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI 3	101311	2016/6/23	2017/6/22
Coaxial Cables	N/A	N30N30-1042-150	N/A	2016/2/6	2017/2/5
LISN	SCHWARZBECK	NSLK 8127	8127-648	2016/6/13	2017/6/12
Pulse Limiter	Narda S.T.S.	PMM PL01	1110X30602	2016/8/12	2017/8/11
LISN	Schwarzbeck	NSLK 8128	NSLK8127-300	2016/6/22	2017/6/21
Universal Digital Radio Communication Tester	R&S	CMU 200	120239	2015/11/24	2016/11/23
Wideband Radio Communication Tester	R&S	CMW 500	152303	2016/2/18	2017/2/17
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 2.20 dB					

### 2.4.2 Operating Environment

Temperature : 23 degree C

Humidity : 70 %RH

Atmospheric Pressure : 992 mBar

### 2.4.3 Measurement Level Calculation

Factor = LISN insertion loss + Cable loss

Measurement Level = Reading Level + Factor

Over (Margin) = Measurement Level – Limit

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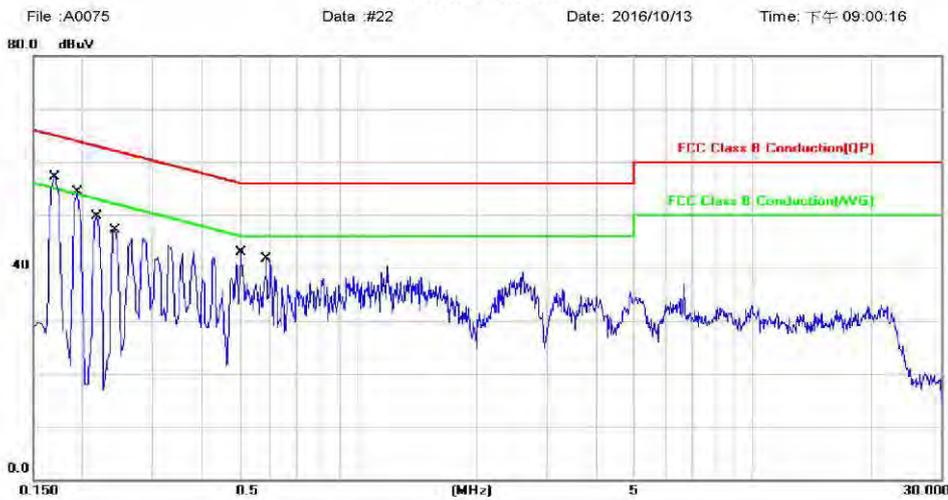
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2.4.4 Measurement Data:

Mode\_1\_L

Site : Conduction Room Phase: L1 Temperature: 23 °C  
 Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 70 %  
 Mode: Mode 1  
 Note:

Conducted Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1700	46.10	0.34	46.44	64.96	-18.52	QP	
2		0.1700	30.80	0.34	31.14	54.96	-23.82	AVG	
3		0.1940	48.20	0.36	48.56	63.86	-15.30	QP	
4		0.1940	33.30	0.36	33.66	53.86	-20.20	AVG	
5		0.2180	44.10	0.36	44.46	62.89	-18.43	QP	
6		0.2180	27.60	0.36	27.96	52.89	-24.93	AVG	
7		0.2420	41.80	0.36	42.16	62.03	-19.87	QP	
8		0.2420	26.30	0.36	26.66	52.03	-25.37	AVG	
9		0.5027	41.60	0.36	41.96	56.00	-14.04	QP	
10		0.5027	33.00	0.36	33.36	46.00	-12.64	AVG	
11		0.5860	40.60	0.36	40.96	56.00	-15.04	QP	
12	*	0.5860	34.80	0.36	35.16	46.00	-10.84	AVG	

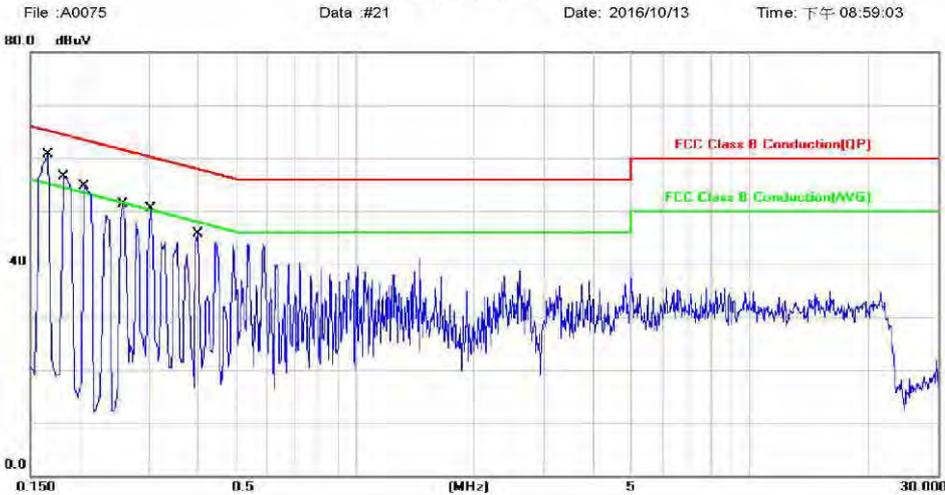
\*:Maximum data x:Over limit l:over margin



Mode\_1\_N

Site : Conduction Room Phase: **N** Temperature: 23 °C  
 Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 70 %  
 Mode: Mode 1  
 Note:

Conducted Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1	*	0.1660	55.80	0.38	56.18	65.16	-8.98	QP	
2		0.1660	41.00	0.38	41.38	55.16	-13.78	AVG	
3		0.1820	51.00	0.39	51.39	64.39	-13.00	QP	
4		0.1820	35.90	0.39	36.29	54.39	-18.10	AVG	
5		0.2060	48.90	0.39	49.29	63.37	-14.08	QP	
6		0.2060	33.80	0.39	34.19	53.37	-19.18	AVG	
7		0.2580	43.50	0.39	43.89	61.50	-17.61	QP	
8		0.2580	28.50	0.39	28.89	51.50	-22.61	AVG	
9		0.3020	43.00	0.39	43.39	60.19	-16.80	QP	
10		0.3020	28.00	0.39	28.39	50.19	-21.80	AVG	
11		0.3980	39.00	0.39	39.39	57.90	-18.51	QP	
12		0.3980	25.40	0.39	25.79	47.90	-22.11	AVG	

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

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Page: 1

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## 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 3	101342	2016/3/5	2017/3/4
EMI Test Receiver	R&S	ESCI 3	101343	2015/12/25	2016/12/24
Broadband Antenna	SCHWAZBECK	VULB9168	9168-628	2016/9/22	2017/9/21
Broadband Antenna	SCHWAZBECK	VULB9168	9168-629	2016/9/22	2017/9/21
Pre Amplifier	EMC Instruments Corp.	EMC330	980178	2016/3/31	2017/3/30
Pre Amplifier	EMC Instruments Corp.	EMC330	980179	2016/3/31	2017/3/30
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150917	2016/9/18	2017/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150919	2016/9/18	2017/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150820	2016/9/18	2017/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150918	2016/9/18	2017/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150821	2016/9/18	2017/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150822	2016/9/18	2017/9/17
Universal Digital Radio Communication Tester	R&S	CMU 200	120239	2015/11/25	2016/11/24
Wideband Radio Communication Tester	R&S	CMW 500	152303	2016/2/18	2017/2/17
Controller	MF	MF-7802	N/A	N.C.R.	N.C.R.
Controller	MF	MF-7802	N/A	N.C.R.	N.C.R.
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Turn Table	MF	N/A	N/A	N.C.R.	N.C.R.
Site NSA	Chance Most	10M Chamber	10M SAC	2015/12/31	2016/12/30
Test S/W	Farad	EZ-EMC	Ver. SGS-03A2	N.C.R.	N.C.R.

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 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 4.16 dB. (30MHz ~ 1000MHz)

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## Above 1GHz

SGS Radiated Above 1GHz HWAYA 966A EMC					
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
Spectrum Analyzer	R&S	FSV 40	101419	2016/2/25	2017/2/24
EMI Test Receiver	R&S	ESR 7	101459	2016/2/22	2017/2/21
Horn Antenna	Schwarzbeck	BBHA9170	BBHA9170-184	2015/12/11	2016/12/10
Pre Amplifier	EMC Instruments Corp.	EMC012645B	980216	2016/4/25	2017/4/24
Coaxial Cable	JUNFLOW	MWX221-NMSNMS	J0778929	2016/4/23	2017/4/22
Coaxial Cable	Huber+Suhner	SUCCOFLEX 104PEA	30255/4PEA	N.C.R.	N.C.R.
Coaxial Cable	EMC Instruments	EMC104-SM-SM	140927	2016/4/23	2017/4/22
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	MY 2152/2	2016/6/5	2017/6/4
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	MY 2153/2	2016/6/5	2017/6/4
Universal Digital Radio Communication Tester	R&S	CMU 200	120239	2015/11/24	2016/11/23
Wideband Radio Communication Tester	R&S	CMW 500	152303	2016/2/18	2017/2/17
Controller	MF	MF-7802	N.C.R.	N.C.R.	N.C.R.
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Turn Table	MF	N/A	N/A	N.C.R.	N.C.R.
Site VSWR	SGS	966 Chamber A	SAC-A	2016/1/12	2017/1/11
Test S/W	Farad	EZ-EMC	Ver. SGS-03A2	N.C.R.	N.C.R.
SGS Taiwan LTD. Electronics & 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 4.96 dB. (1-6GHz) Expanded uncertainty (k=2) of radiated emission measurement is 5.14 dB. (6-18GHz) Expanded uncertainty (k=2) of radiated emission measurement is 4.86 dB. (18-26GHz) Expanded uncertainty (k=2) of radiated emission measurement is 4.81 dB. (26-40GHz)					

## 2.5.2 Operating Environment

Temperature : 22 degree C

Humidity : 73 %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

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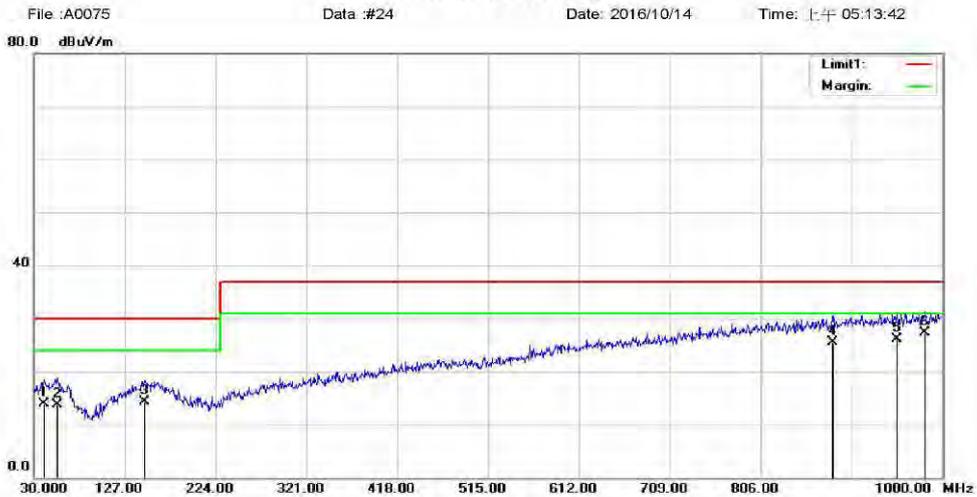
### 2.5.4 Measurement Data

#### Below 1GHz

#### Mode\_8\_H

Site: SGS 10m Chamber      Polarization: *Horizontal*      Temperature: 22 °C  
 Limit: CISPR22 Class B 10M Radiation      Power: AC 120V/60Hz      Humidity: 73 %  
 Mode: Mode\_8      Distance:  
 Note:

#### Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		40.3100	25.58	-11.68	13.90	30.00	-16.10	QP	
2		55.0000	25.70	-11.90	13.80	30.00	-16.20	QP	
3		148.6600	26.10	-11.80	14.30	30.00	-15.70	QP	
4		882.4700	24.91	0.59	25.50	37.00	-11.50	QP	
5		951.3800	24.69	1.51	26.20	37.00	-10.80	QP	
6 *		981.0100	25.71	1.69	27.40	37.00	-9.60	QP	

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

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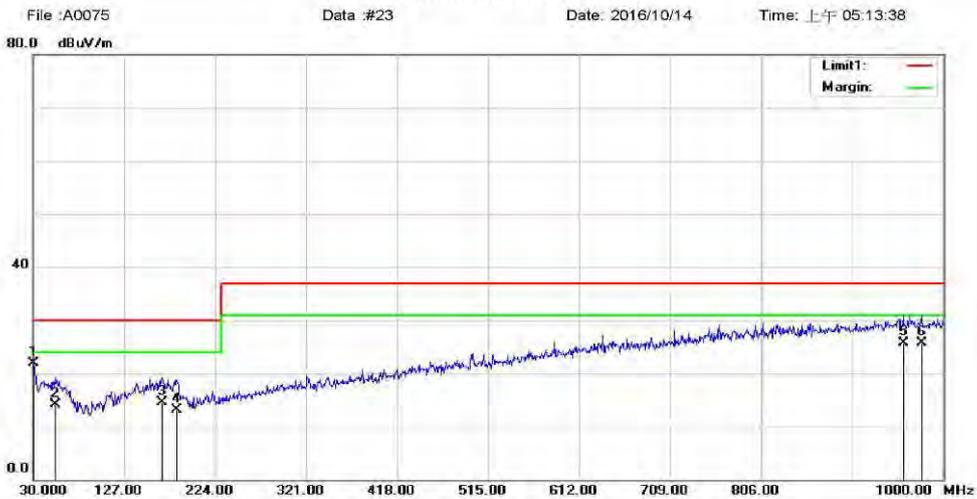
Mode\_8\_V

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

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

Temperature: 22 °C  
 Humidity: 73 %

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	30.4000	34.64	-12.74	21.90	30.00	-8.10	QP	
2		53.1200	25.39	-11.29	14.10	30.00	-15.90	QP	
3		167.9400	26.02	-11.52	14.50	30.00	-15.50	QP	
4		183.1600	26.36	-13.16	13.20	30.00	-16.80	QP	
5		957.2400	24.14	1.66	25.80	37.00	-11.20	QP	
6		976.2000	24.03	1.67	25.70	37.00	-11.30	QP	

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

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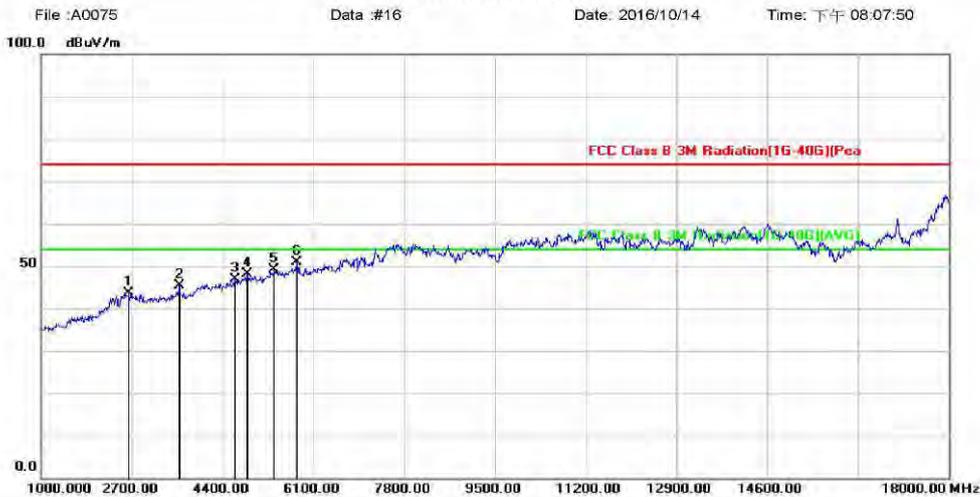
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## Above 1GHz

## Mode\_8\_H

Site: SGS 966 Chamber A      Polarization: **Horizontal**      Temperature: 21 °C  
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea)      Power: AC 120V/60Hz      Humidity: 75 %  
 Mode: Mode\_8      Distance:  
 Note:

### Radiated Emission



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2649.000	58.17	-14.58	43.59	74.00	-30.41	peak	
2		3584.000	59.28	-13.85	45.43	74.00	-28.57	peak	
3		4638.000	57.81	-11.02	46.79	74.00	-27.21	peak	
4		4859.000	58.51	-10.39	48.12	74.00	-25.88	peak	
5		5369.000	58.07	-8.89	49.18	74.00	-24.82	peak	
6 *		5794.000	58.93	-7.99	50.94	74.00	-23.06	peak	

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

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Page: 1

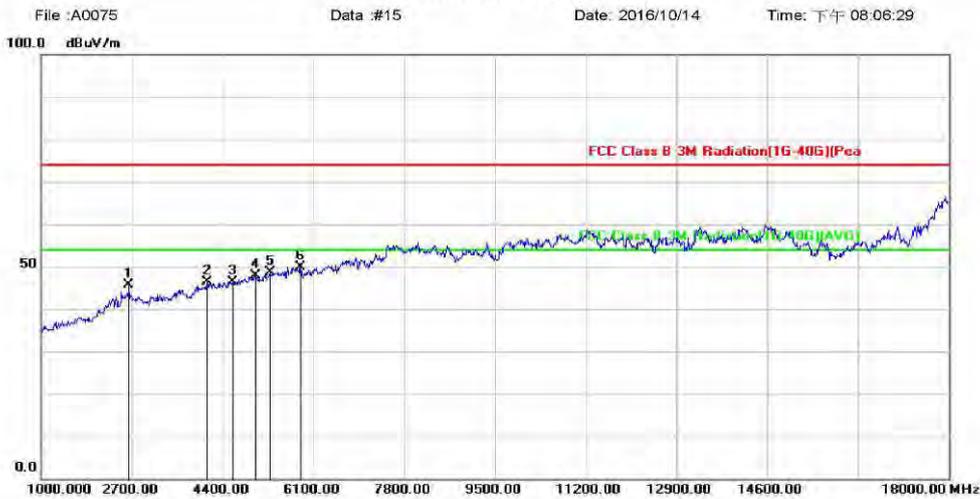
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Mode\_8\_V

Site: SGS 966 Chamber A	Polarization: <b>Vertical</b>	Temperature: 21 °C
Limit: FCC Class B 3M Radiation(1G-40G)(Pea	Power: AC 120V/60Hz	Humidity: 75 %
Mode: Mode_8	Distance:	
Note:		

Radiated Emission



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2649.000	60.14	-14.58	45.56	74.00	-28.44	peak	
2		4111.000	58.40	-12.00	46.40	74.00	-27.60	peak	
3		4587.000	57.63	-11.17	46.46	74.00	-27.54	peak	
4		5012.000	57.91	-9.96	47.95	74.00	-26.05	peak	
5		5301.000	57.69	-9.10	48.59	74.00	-25.41	peak	
6 *		5862.000	57.85	-7.88	49.97	74.00	-24.03	peak	

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

File :A0075\Data :#15

Page: 1

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

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