

Report No.: E1/2017/60160

Page: 1 of 25

FCC CERTIFICATION REPORT

Test Report No. : E1/2017/60160

Applicant : HMD Global Oy

Address : Karaportti 2, 02610 Espoo, Finland

Manufacturer : HMD Global Oy

: Karaportti 2, 02610 Espoo, Finland **Address**

Equipment Under Test (EUT):

Product Name : Smart Phone

Brand Name : Nokia

Model No. : TA-1029

Added Model(s) : N/A

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

Date of Receipt: Jun. 24, 2017

Date of Test : Jun. 24 ~ Jul. 10, 2017

Date of Issue : Jul. 24, 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.

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Tested By: Ivan Hsieh (Engineer) Jul. 24, 2017 Date

Approved By Date Jul. 24, 2017



(Assistant Supervisor)

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FCC ID: 2AJOTTA-1029 Report No.: E1/2017/60160

Page: 2 of 25

Revision History

Report Number	Revision	Description	Issue Date
E1/2017/60160	Rev.00	Initial creation of document	Jul. 24, 2017

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Report No.: E1/2017/60160

Page: 3 of 25

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	6
1.5 DESCRIPTION OF SUPPORT UNITS	7
1.6 MODIFICATION LIST	8
1.7 ACCESSORIES CABLE LIST	8
1.8 Test Set-Up Configuration	9
1.9 Measurement Procedure	11
1.10 Standards Applicable for Testing	11
1.11 SUMMARY OF RESULTS	11
2. EMISSION	12
2.1 Test Results	12
2.2 FREQUENCY RANGE	12
2.3 LIMITS OF CONDUCTED AND RADIATED EMISSION	13
2.3.1 LIMITS OF CONDUCTED EMISSION	13
2.3.2 LIMITS OF RADIATED EMISSIONS	14
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	21
2.5.3 MEASUREMENT LEVEL CALCULATION	21
2.5.4 MEASUREMENT DATA	22
3. PHOTOGRAPHS OF TEST	錯誤! 尚未定義書籤。
4. PHOTOGRAPHS OF PRODUCT	錯誤! 尚未定義書籤。

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FCC ID: 2AJOTTA-1029 Report No.: E1/2017/60160

Page: 4 of 25

1. General Information

1.1 Applicant & Manufacturer Information

Applicant : HMD Global Oy

Address of Applicant : Karaportti 2, 02610 Espoo, Finland

Manufacturer : HMD Global Oy

Address of Manufacturer: Karaportti 2, 02610 Espoo, Finland

1.2 General Description of EUT

Product Name : Smart Phone

Brand Name : Nokia

Model No. : TA-1029

Added Model(s) : N/A Model Difference : N/A

1.3 Details of EUT

Power Supply : AC 100~240V, 50~60Hz

From System

Inside Battery 3.85V

Modes/Function : Mode 1. Rear REC+ADP+Earphone+USB Cable

+BT Link+WiFi 2.4G Link+GPS/ AGPS/

Gloness/ Beidou Link

Mode 2. Front REC+ADP+Earphone+USB Cable

+BT Link+WiFi 2.4G Link+GPS/ AGPS/

Gloness/ Beidou Link

Mode 3. ADP+Earphone+USB Cable+BT

Link+WiFi Link+GPS/ AGPS/ Gloness/

Beidou Link +GSM 900 Link

Mode 4. ADP+Earphone+USB Cable+BT

Link+WiFi Link+GPS/ AGPS/ Gloness/

Beidou Link +GSM 1800 Link

Mode 5. ADP+Earphone+USB Cable+BT

Link+WiFi Link+GPS/ AGPS/ Gloness/

Beidou Link +3G B1 Link

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Report No.: E1/2017/60160

Page: 5 of 25

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Mode 6. ADP+Earphone+USB Cable+BT

Link+WiFi Link+GPS/ AGPS/ Gloness/

Beidou Link +3G B8 Link

Mode 7. ADP+Earphone+USB Cable+BT

Link+WiFi Link+GPS/ AGPS/ Gloness/

Beidou Link +4G B38 Link

Mode 8. PC LINK Micro SD Read +

Earphone+USB Cable

Mode 9. PC LINK Micro SD Write +

Earphone+USB Cable

Mode 10. Phone only play Music

Mode 11. FM +ADP+Earphone+t USB Cable

Worst case : CE _Worst_ case:

Mode 8. PC LINK Micro SD Read + Earphone

+USB Cable

Below_RE_Worst _case:

Mode 8. PC LINK Micro SD Read + Earphone

+USB Cable

Above_RE_Worst_case:

Mode 8. PC LINK Micro SD Read + Earphone

+USB Cable

Highest operate description

: 2620MHz

Adapter

Model No.: FC0100

Supplier: HMD Global Oy

I/P: AC 100-240V, 50-60Hz, 0.3A

O/P: DC 5.0V, 2A

Model No.: FC0101

Supplier: HMD Global Oy

I/P: AC 100-240V, 50-60Hz, 0.3A

O/P: DC 5.0V, 2A

Model No.: FC0102

Supplier: HMD Global Oy

I/P: AC 100-240V, 50-60Hz, 0.3A

O/P: DC 5.0V, 2A

Battery : Model No.: HE338

Supplier: NOKIA

3.85V, 4000mAh, 15.4Wh

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Page: 6 of 25

1.4 Operation Procedure

Test Mode: 1

- 1. EUT connected to Adapter & USB Cable & Earphone and power on.
- 2. Open the preset lens video, Executing BT & WIFI & GPS Link.
- 3. Start the test.

Test Mode: 2

- 1. EUT connected to Adapter & USB Cable & Earphone and power on.
- 2. Open the Post lens to video, Executing BT & WIFI & GPS Link.
- 3. Start the test.

Test Mode: 3

- 1. EUT connected to Adapter & USB Cable & Earphone and power on.
- 2. Executing BT & WIFI & GPS & GSM 900 Link.
- 3. Start the test.

Test Mode: 4

- 1. EUT connected to Adapter & USB Cable & Earphone and power on.
- 2. Executing BT & WIFI & GPS & GSM 1800 Link.
- 3. Start the test.

Test Mode: 5

- 1. EUT connected to Adapter & USB Cable & Earphone and power on.
- 2. Executing BT & WIFI & GPS & WCDMA Band1 Link.
- 3. Start the test.

Test Mode: 6

- 1. EUT connected to Adapter & USB Cable & Earphone and power on.
- 2. Executing BT & WIFI & GPS & WCDMA Band8 Link.
- Start the test.

Test Mode: 7

- 1. EUT connected to Adapter & USB Cable & Earphone and power on.
- 2. Executing BT & WIFI & GPS & LTE Band38 Link.
- 3. Start the test.

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Page: 7 of 25



Test Mode: 8

1. EUT install Micro SD Card.

- 2. EUT connected to Earphone & USB Cable and NB Link.
- 3. NB and mobile phone USB data transfer (Reader).
- 4. Start the test.

Test Mode: 9

- 1. EUT install Micro SD Card.
- 2. EUT connected to Earphone & USB Cable and NB Link.
- 3. NB and mobile phone USB data transmission (Write).
- 4. Start the test.

Test Mode: 10

- 1. EUT stand-alone boot, play MP3 audio files.
- 2. Start the test.

Test Mode: 11

- 1. EUT connected to Adapter & USB Cable & Earphone and power on.
- 2. Turn on FM Radio Function and receive FM Radio.
- 3. Start the test.

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
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 (EMI)	DELL	MS111-T	CN-OKW2YH-71616-345- OL7T
Printer (EMI)	HP	VCVRA-1004	CN33K19J3F
Notebook (EMI)(Win7)	DELL	Latitude E5430	COVZYW1
TMC/FM Generator	Levear	VP-8194D	0821170LA

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FCC ID: 2AJOTTA-1029 Report No.: E1/2017/60160

Page: 8 of 25

Support Equipment Used in Tested Cable

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

1.6 Modification List

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

1.7 Accessories Cable List

Cable Type	Core	Length	Category	Shielding/Non-shielding
USB Cable	N/A	1M	N/A	Shielding
Earphone	N/A	1.5M	N/A	Non-shielding

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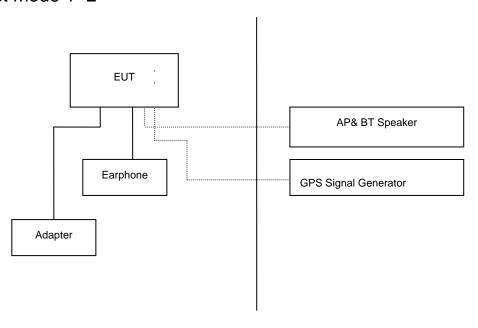


Page: 9 of 25

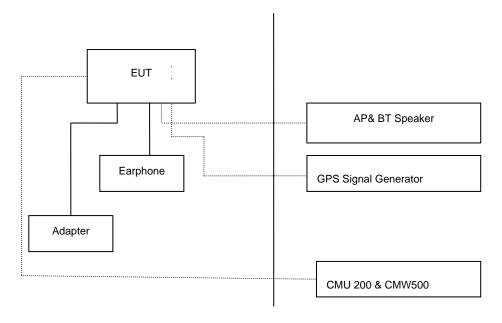


1.8 Test Set-Up Configuration

Test mode 1~2



Test mode 3~7



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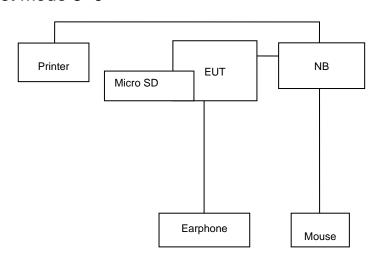
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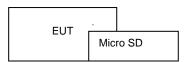
Page: 10 of 25



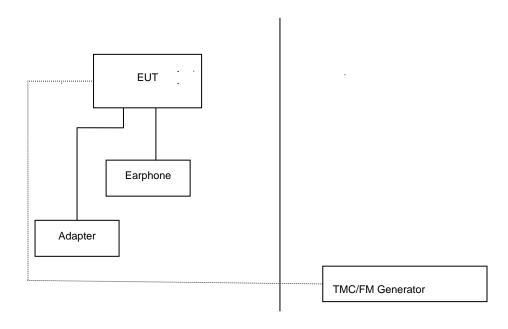
Test mode 8~9



Test mode 10



Test mode 11



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Page: 11 of 25



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)
ECC Don't 15 Culturant D	Conducted Emission	DACC	Line	0.3580	10.03 (AVG)
FCC Part 15 Subpart B Class B	Conducted Emission	PASS	Neutral	0.3580	-9.05 (AVG)
Class D	Radiated Emission	PASS	Ver.	72.2300	-9.40 (QP)

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FCC ID: 2AJOTTA-1029 Report No.: E1/2017/60160

Page: 12 of 25

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

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Page: 13 of 25



2.3 Limits of Conducted and Radiated Emission

2.3.1 Limits of Conducted Emission

FCC Part 15, Subpart B/CISPR 22:

FREQUENCY	Class A	(dBuV)	Class B (dBuV)	
(MHz)	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.

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Page: 14 of 25



2.3.2 Limits of Radiated Emissions

FCC Part 15, Subpart B Limit:

Detector Function : Quasi – Peak

FREQUENCY	Class A (at 10m)	Class B (at 3m)
(MHz)	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	Class A (dBuV/m) (at 3m)		Class B (dBu	uV/m) (at 3m)
(MHz)	Peak	Average	Peak	Average
Above 1000	79.3	59.3	73.9	53.9

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Report No.: E1/2017/60160

Page: 15 of 25



CISPR 22 Limit:

Detector Function : Quasi – Peak

FREQUENCY	Class A (at 10m)	Class B (at 10m)
(MHz)	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	Class A (dB	uV/m) (at 3m)	Class B (dB	uV/m) (at 3m)
(GHz)	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.

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Page: 16 of 25



2.4.Test of Conducted Emission

2.4.1 Test Equipments

	SGS Conducted_E	mission HWAY	A Conducted Roo	om 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	2016/8/30	2017/8/29
LISN	SCHWARZBECK	NSLK 8127	8127-648	2017/6/18	2018/6/17
Pulse Limiter	Narda S.T.S.	PMM PL01	1110X30602	2016/8/12	2017/8/11
LISN	FCC	FCC-LISN- 50/250-25-2- 01	4034	2017/3/19	2018/3/18
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.

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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

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SGS

D29 Report No.: E1/2017/60160

Temperature:

Humidity:

24 °C

64 %

Page: 17 of 25

2.4.4 Measurement Data:

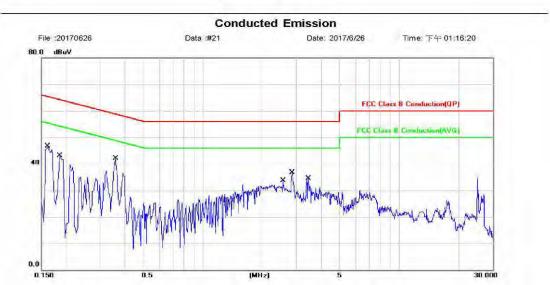
Model No.:TA-1029 Mode_8_L

 Site
 Conduction Room
 Phase:
 L1

 Limit:
 FCC Class B Conduction(QP)
 Power:
 AC 120V/60Hz

Mode: Mode_8

Note:



Vo.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1620	45.60	0.34	45.94	65.36	-19.42	QP	
2		0.1620	24.22	0.34	24.56	55.36	-30.80	AVG	
3		0.1860	37.40	0.33	37.73	64.21	-26.48	QP	
4		0.1860	21.20	0.33	21.53	54.21	-32.68	AVG	
5		0.3580	40.80	0.34	41.14	58.77	-17.63	QP	
6	*	0.3580	38.40	0.34	38.74	48.77	-10.03	AVG	
7		2.5660	29.20	0.48	29.68	56.00	-26.32	QP	
8		2.5660	18.30	0.48	18.78	46.00	-27.22	AVG	
9		2.8500	27.01	0.50	27.51	56.00	-28.49	QP	
10		2.8500	15.58	0.50	16.08	46.00	-29.92	AVG	
11		3.4460	25.80	0.54	26.34	56.00	-29.66	QP	
12		3.4460	12.80	0.54	13.34	46.00	-32.66	AVG	

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

File :20170626\Data #21

Page: 1

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Page: 18 of 25

Mode 8 N

Site : Conduction Room

Limit: FCC Class B Conduction(QP)

Mode: Mode_8

Note:

Phase: Temperature: 24 °C N Power: Humidity: 64 %

AC 120V/60Hz

Conducted Emission File: 20170626 Data :#22 Date: 2017/6/26 Time: 下午 01:24:08 80.0 dBuV FCC Class B Conduction(QP) FEE Class # Co 0.0

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	1 1		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment	
1		0.1500	44.86	0.42	45.28	66.00	-20.72	QP		
2		0.1500	26.61	0.42	27.03	56.00	-28.97	AVG		
3		0.1700	38.20	0.42	38.62	64.96	-26.34	QP		
4		0.1700	26.80	0.42	27.22	54.96	-27.74	AVG		
5		0.1820	35.17	0.41	35.58	64.39	-28.81	QP		
6		0.1820	25.12	0.41	25.53	54.39	-28.86	AVG		
7		0.3580	41.36	0.42	41.78	58.77	-16.99	QP		
8	*	0.3580	39.30	0.42	39.72	48.77	-9.05	AVG		
9		2.3140	31,60	0.45	32.05	56.00	-23.95	QP		
10		2.3140	21,19	0.45	21.64	46.00	-24.36	AVG		
11		2.6340	30.46	0.46	30.92	56.00	-25.08	QP		
12		2.6340	19.50	0.46	19.96	46.00	-26.04	AVG		

x:Over limit !:over margin

File :20170626\Data :#22

Page: 1

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Report No.: E1/2017/60160 Page: 19 of 25



2.5 Test of Radiated Emission

2.5.1 Test Equipments

Below 1GHz

Om_EMC Calibration Date Calibration Due 24 2016/9/30 2017/9/29 3 2016/12/21 2017/12/20 28 2016/9/22 2017/9/21 29 2016/9/22 2017/9/21 78 2017/3/31 2018/3/30
Date Calibration Due 24 2016/9/30 2017/9/29 13 2016/12/21 2017/12/20 128 2016/9/22 2017/9/21 29 2016/9/22 2017/9/21
2016/12/21 2017/12/20 28 2016/9/22 2017/9/21 29 2016/9/22 2017/9/21
28 2016/9/22 2017/9/21 29 2016/9/22 2017/9/21
29 2016/9/22 2017/9/21
78 2017/3/31 2018/3/30
79 2017/3/31 2018/3/30
7 2016/9/18 2017/9/17
9 2016/9/18 2017/9/17
20 2016/9/18 2017/9/17
8 2016/9/18 2017/9/17
21 2016/9/18 2017/9/17
22 2016/9/18 2017/9/17
98 2016/11/9 2017/11/8
03 2017/2/23 2018/2/22
N.C.R. N.C.R.
AC 2016/12/31 2017/12/31
-03A2 N.C.R. N.C.R.

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Measurement Uncertainty of Radiated Emission

Expanded uncertainty of radiated emission is 4.09 dB. (30MHz ~ 1000MHz)

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Page: 20 of 25

Above 1GHz

SGS Radiated Above 1GHz HWAYA 966A EMC										
	SGS Radia	ated_Above_1GI	HZ HWAYA 966A_							
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					
Pre Amplifier	EMC Instruments Corp.	EMC012645B	980216	2017/4/25	2018/4/24					
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.					
SCS Taiwan I TI	D Electropies & Co	mmunication I a	haratan,							

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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)

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Page: 21 of 25



2.5.2 Operating Environment

Temperature: 21 degree C Humidity: 85 %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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Report No.: E1/2017/60160

Page: 22 of 25

2.5.4 Measurement Data

Below 1GHz

Model No.:TA-1029 Mode 8 H

Site SGS 10m Chamber

Limit: CISPR22 Class B 10M Radiation

Mode: Mode 8

Note:

Polarization: Horizontal

Power: From System

Distance:

Temperature: 21 7

Humidity: 85 %

Radiated Emission File: 20170622 Data :#26 Date: 2017/6/23 Time: 上牛 05:13:50 80.0 dBuV/m Margin 40 3 30 000 127 00 224 m 321 00 A18 00 515 00 612 00 709 00 202 1000 00 MHz

No.	No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		54.0900	26.13	-11.73	14.40	30.00	-15,60	QP	
2		148.4600	26.87	-11.97	14.90	30.00	-15.10	QP	
3		746.0600	25.09	-0.99	24.10	37.00	-12.90	QP	
4		879.9000	25.18	0.52	25.70	37.00	-11.30	QP	
5		940.9900	24.19	1.71	25.90	37.00	-11.10	QP	
6	*	981.7500	25.06	1.84	26.90	37.00	-10.10	QP	

*: Maximum data x:Over limit !over margin

File :20170622\Data :#26

Page: 1

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Page: 23 of 25

Mode 8 V

Site SGS 10m Chamber

Limit: CISPR22 Class B 10M Radiation

Mode: Mode_8

30.000

Note:

Polarization: Vertical Power: From System Distance:

Temperature:

Humidity: 85 %

1000 00

Radiated Emission File: 20170622 Data :#25 Date: 2017/6/23 Time: 上午 05:13:46 80.0 dBuV/m Limit1: Margin 40 0.0 321.00 806.00 127.00 418.00 515.00 612.00 709.00

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		44.7500	25.17	-11.07	14.10	30.00	-15.90	QP	
2	*	72.2300	34.76	-14.16	20.60	30.00	-9.40	QP	
3		163.7400	26.29	-11.69	14.60	30.00	-15.40	QP	
4		215.1900	30.29	-14.59	15.70	30.00	-14.30	QP	
5		952.7300	24.77	1.33	26.10	37.00	-10.90	QP	
6		989.4900	24.72	1.78	26.50	37.00	-10.50	QP	
_									

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

224 00

File: 20170622\Data: #25

Page: 1

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Page: 24 of 25

Above 1GHz

Model No.:TA-1029 Mode 8 H

Temperature: Site SGS 966 Chamber A Polarization: Horizontal Power: From System Limit: FCC Class B 3M Radiation(1G-40G)(Pea Humidity: 59 %

Mode: Mode_8

Note:

Radiated Emission

Distance:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2343,000	58.48	-15.49	42.99	74.00	-31.01	peak	
2		2615.000	57.64	-13.60	44.04	74.00	-29.96	peak	
3		3958,000	57.78	-9.57	48.21	74.00	-25.79	peak	
4		4893.000	57.52	-7.63	49.89	74.00	-24.11	peak	
5		5335.000	58.09	-6.79	51.30	74.00	-22.70	peak	
6	*	5335.000	44.21	-6.79	37.42	54.00	-16.58	AVG	
7		5675,000	57.01	-6.21	50.80	74.00	-23.20	peak	

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

File :20170702\Data :#24

Page: 1

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Page: 25 of 25

Mode 8 V

Site SGS 966 Chamber A

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

Mode: Mode_8

Note:

Polarization: Vertical Power: From System

Distance:

Temperature:

Humidity: 59 %

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1595.000	61.53	-19.49	42.04	74.00	-31.96	peak	
2		2632.000	60.98	-13.56	47.42	74.00	-26.58	peak	
3		3193.000	58.90	-12.36	46.54	74.00	-27.46	peak	
4	+ 0	3958.000	57.87	-9.57	48.30	74.00	-25.70	peak	
5	0 1	4876.000	57.40	-7.68	49.72	74.00	-24.28	peak	
6	*	5301.000	57.13	-6.84	50.29	74.00	-23.71	peak	

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

File: 20170702\Data: #23

Page: 1

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