



FCC CERTIFICATION REPORT

Test Report No. : E1/2017/A0019
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 : Smart phone

Standards : FCC Part 15:2017, Subpart B, Class B
FCC Designation Numbers : 916890 / TW1087

Date of Receipt : Oct. 03, 2017
Date of Test : Oct. 03 ~ 24, 2017
Date of Issue : Nov. 16, 2017

Test Result :	PASS
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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.

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

Nov. 16, 2017

Ivan Hsieh (Engineer)

Approved By

Eddy Cheng

Date

Nov. 16, 2017

Eddy Cheng (Asst. Supervisor)



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Revision History

Report Number	Revision	Description	Issue Date
E1/2017/A0019	Rev.00	Initial creation of document	Nov. 16, 2017

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1. General Information

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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 : Smart phone

1.3 Details of EUT

Power Supply : AC 100~240V, 50~60Hz
Worst case : CE worst case : Config 2
Below RE worst case : Config 2
Above RE worst case : Config 1
Highest operate description : 2200 MHz
Adapter : (XN-2QC25)

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QE71	FCC 15B		
	Config 1	Config2	Config 3
Applicable standard	FCC 15B		
Accessories	EUT + AC Adaptor (XN-2QC25) +USB Cable+EARPHONE	EUT +USB Cable(to PC) +EARPHONE	EUT + AC Adaptor(XN-2QC25) +USB Cable
Main function	<i>Speech</i>	<i>Data Link</i>	<i>Audio</i>
Additional function	BT+WiFi Worst(5G/2.4G)+GPS+NFC		
Description			
radiated emission	GSM 850/1900 WCDMA B1 LTE B1	Data Read/Write +CAMERA(Front)	MP3 + CAMERA(Rear)
conducted emission (DC Power)	NA	NA	NA
conducted emission (AC Power)	GSM 850/1900 WCDMA B1 LTE B1	Data Read/Write +CAMERA(Front)	MP3 + CAMERA(Rear)

1.4 Operation Procedure

Config 1

1. Let EUT install the SIM Card & SD Card and connect to Earphone.
2. Let USB Port of EUT connect to the Adapter.
3. Set the BT mouse to pair with EUT.
4. Set WiFi (5G/2.4G) 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 and connect to Earphone.
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 (5G/2.4G) to obtain IP Address and execute Ping IP Address.
5. Turned on the GPS function & NFC function.
6. Turned on the LED and Play Camera (Front).
7. Started the test.

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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 (5G/2.4G) to obtain IP Address and execute Ping IP Address.
5. Turned on the GPS function & NFC function.
6. Played the MP3 music. Turned on LED and Play Camera(Rear)
7. Started the test.

1.5 Description of Support Units

PRODUCT	MANUFACTURER	MODEL NO.	SERIAL NO.
Notebook (WIN 8)	DELL	INSPIRON 5437	H55Z0Z1
MOUSE	DELL	MS111-T	CN-OKW2YH-71616-345-OL7T
Printer	HP	VCVRA-1004	CN33K19J3F
Radio Communication Analyzer	R&S	CMU200	102189
Radio Communication Analyzer	R&S	CMW500	1201.002K50-152303-Zr
AP	BUFFALO	WZR-HP-G300NH2	44066221202559[[G]]
GPS Signal Generator	Spectracom	GSG53 GNSS4	200218
Micro SD	Energizer	16GB SDHC	CG16G1642HVLN003058828

Support Equipment Used in Tested Cable

Cable Type	Core	Length	Shielding/Non-shielding
USB cable	N/A	0.95m	Shielding
Earphone cable	N/A	1.25m	Non-shielding

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
N/A	N/A	N/A	N/A

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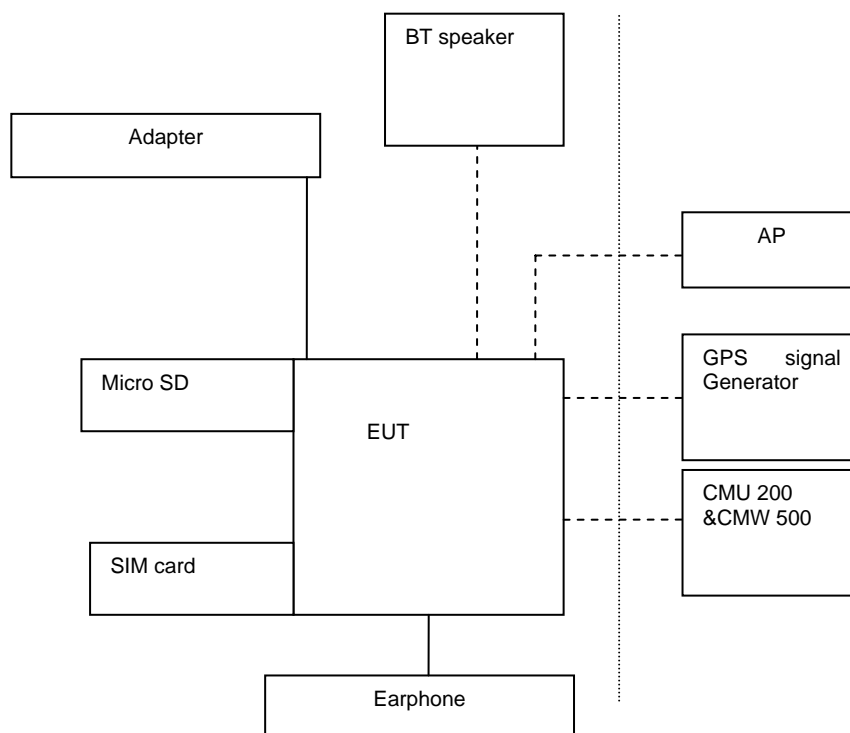
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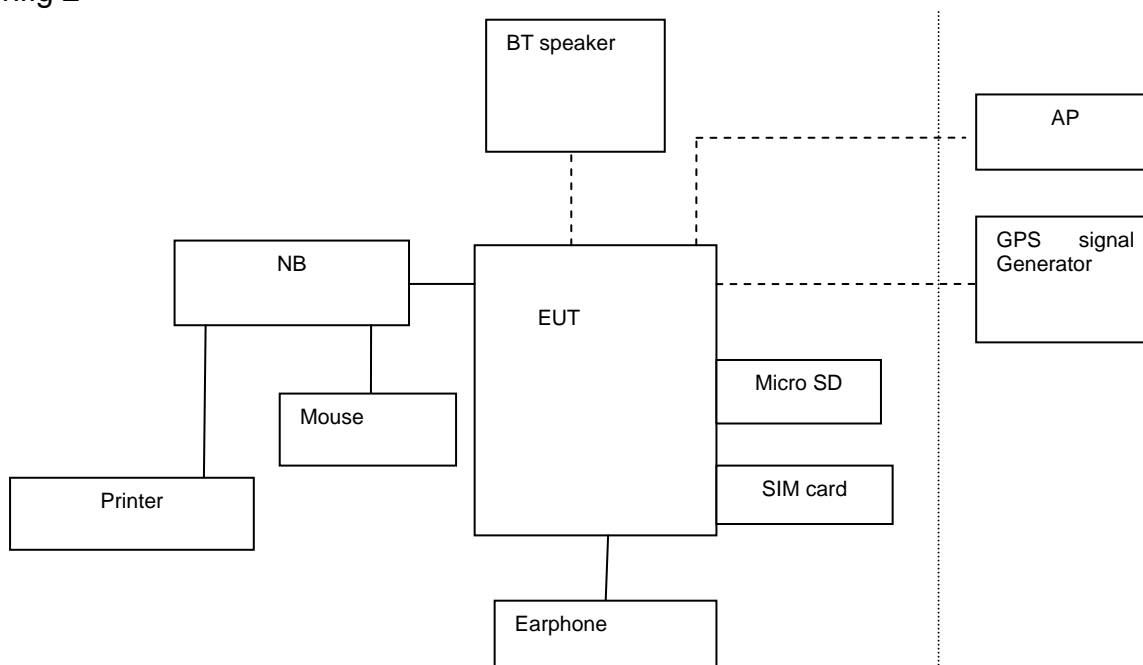
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1.8 Test Set-Up Configuration

Config 1

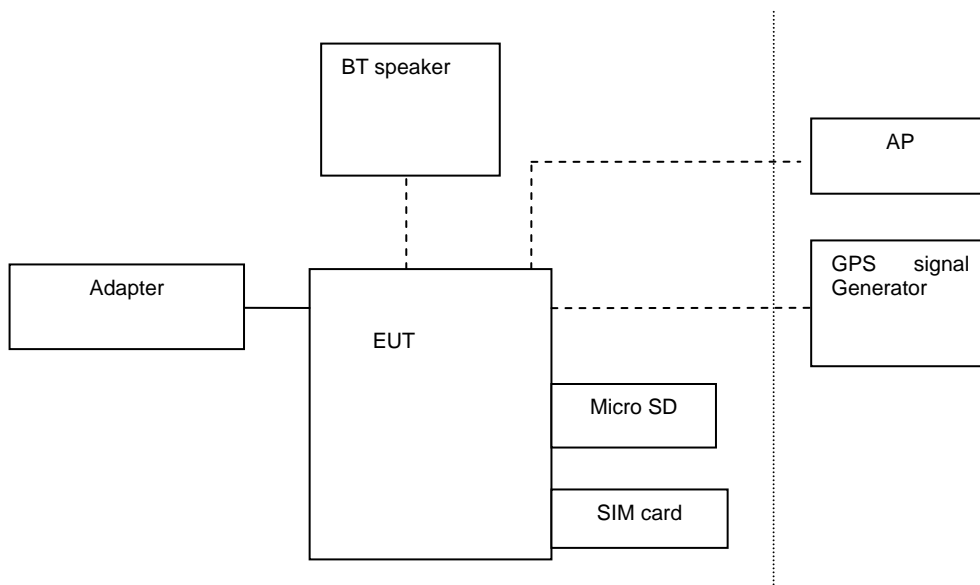


Config 2



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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.

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	1.7780	-17.00 (AVG)
			Neutral	0.4260	-12.61 (AVG)
	Radiated Emission	PASS	Hor.	153.3300	-7.76 (QP)

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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.

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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.

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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					

2.4.2 Operating Environment

Temperature : 25 degree C

Humidity : 59 %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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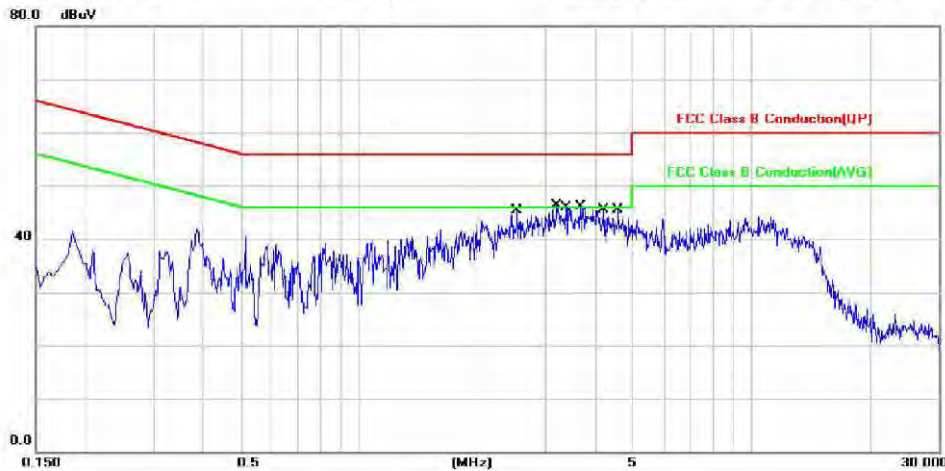
2.4.4 Measurement Data:

Config_1_L

Site : Conduction Room Phase: **L1** Temperature: 25 °C
 Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 59 %
 Mode: Config_1
 Note: LTE_B1

Conducted Emission

File :E1-2017-A0019 Data :#19 Date: 2017/10/21 Time: 下午 07:37:17



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		2.5340	41.10	0.52	41.62	56.00	-14.38	QP	
2		2.5340	31.80	0.52	32.32	46.00	-13.68	AVG	
3		3.1900	41.10	0.60	41.70	56.00	-14.30	QP	
4		3.1900	32.20	0.60	32.80	46.00	-13.20	AVG	
5		3.3740	42.10	0.63	42.73	56.00	-13.27	QP	
6 *		3.3740	32.70	0.63	33.33	46.00	-12.67	AVG	
7		3.6700	41.90	0.67	42.57	56.00	-13.43	QP	
8		3.6700	32.60	0.67	33.27	46.00	-12.73	AVG	
9		4.2060	41.80	0.74	42.54	56.00	-13.46	QP	
10		4.2060	32.20	0.74	32.94	46.00	-13.06	AVG	
11		4.5900	41.20	0.77	41.97	56.00	-14.03	QP	
12		4.5900	31.40	0.77	32.17	46.00	-13.83	AVG	

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

File :E1-2017-A0019\Data :#19

Page: 1

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Config_1_N

Site : Conduction Room
Limit: FCC Class B Conduction(QP)
Mode: Config_1
Note: LTE_B1

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

Temperature: 25 °C
Humidity: 59 %

Conducted Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1940	40.70	0.31	41.01	63.86	-22.85	QP	
2		0.1940	28.60	0.31	28.91	53.86	-24.95	AVG	
3		0.3860	42.50	0.32	42.82	58.15	-15.33	QP	
4		0.3860	31.20	0.32	31.52	48.15	-16.63	AVG	
5		2.5260	39.10	0.50	39.60	56.00	-16.40	QP	
6		2.5260	28.90	0.50	29.40	46.00	-16.60	AVG	
7		3.2740	39.40	0.54	39.94	56.00	-16.06	QP	
8		3.2740	30.00	0.54	30.54	46.00	-15.46	AVG	
9 *		3.6860	40.40	0.58	40.98	56.00	-15.02	QP	
10		3.6860	30.30	0.58	30.88	46.00	-15.12	AVG	
11		4.1180	40.10	0.61	40.71	56.00	-15.29	QP	
12		4.1180	30.20	0.61	30.81	46.00	-15.19	AVG	

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

File :E1-2017-A0019\Data :#20

Page: 1

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Config_2_L

Site : Conduction Room
Limit: FCC Class B Conduction(QP)
Mode: Config_2
Note: PC Read

Phase: L1
Power: AC 120V/60Hz

Temperature: 25 °C
Humidity: 59 %

Conducted Emission

File :E1-2017-A0019 Data :#5 Date: 2017/10/21 Time: 下午 06:54:56



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1660	32.80	0.24	33.04	65.16	-32.12	QP	
2		0.1660	26.30	0.24	26.54	55.16	-28.62	AVG	
3		0.1980	30.60	0.23	30.83	63.69	-32.86	QP	
4		0.1980	25.00	0.23	25.23	53.69	-28.46	AVG	
5		0.3900	33.20	0.24	33.44	58.06	-24.62	QP	
6		0.3900	24.00	0.24	24.24	48.06	-23.82	AVG	
7		0.4660	30.10	0.24	30.34	56.58	-26.24	QP	
8		0.4660	22.90	0.24	23.14	46.58	-23.44	AVG	
9		1.7780	33.20	0.40	33.60	56.00	-22.40	QP	
10	*	1.7780	28.60	0.40	29.00	46.00	-17.00	AVG	
11		2.0580	33.50	0.44	33.94	56.00	-22.06	QP	
12		2.0580	27.70	0.44	28.14	46.00	-17.86	AVG	

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

File :E1-2017-A0019\Data :#5

Page: 1

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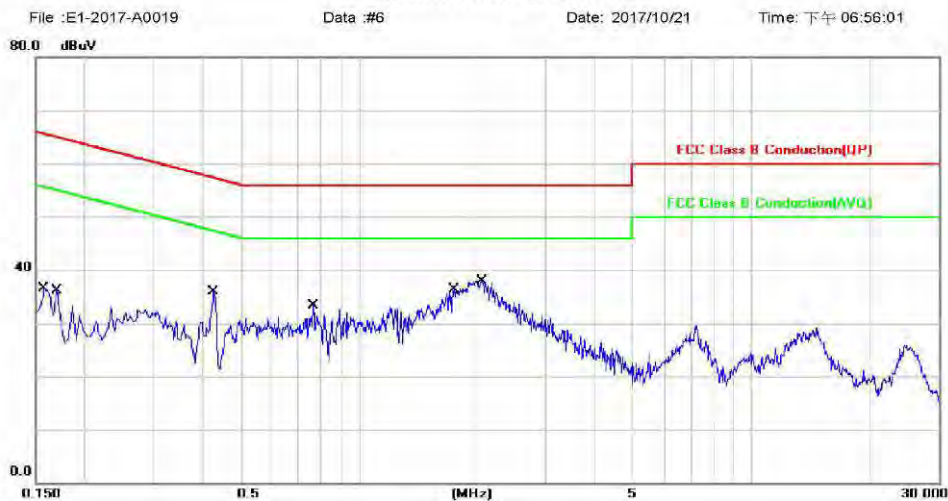
Config_2_N

Site : Conduction Room
Limit: FCC Class B Conduction(QP)
Mode: Config_2
Note: PC Read

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

Temperature: 25 °C
Humidity: 59 %

Conducted Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1580	30.00	0.32	30.32	65.57	-35.25	QP	
2		0.1580	23.50	0.32	23.82	55.57	-31.75	AVG	
3		0.1700	28.70	0.32	29.02	64.96	-35.94	QP	
4		0.1700	21.50	0.32	21.82	54.96	-33.14	AVG	
5		0.4260	34.60	0.32	34.92	57.33	-22.41	QP	
6 *		0.4260	34.40	0.32	34.72	47.33	-12.61	AVG	
7		0.7660	27.50	0.33	27.83	56.00	-28.17	QP	
8		0.7660	22.30	0.33	22.63	46.00	-23.37	AVG	
9		1.7460	34.00	0.41	34.41	56.00	-21.59	QP	
10		1.7460	27.10	0.41	27.51	46.00	-18.49	AVG	
11		2.0620	34.20	0.45	34.65	56.00	-21.35	QP	
12		2.0620	28.70	0.45	29.15	46.00	-16.85	AVG	

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

File :E1-2017-A0019\Data :#6

Page: 1

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Config_3_L

Site : Conduction Room
Limit: FCC Class B Conduction(QP)
Mode: Config_3
Note:

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

Temperature: 25 °C
Humidity: 59 %

Conducted Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1940	41.90	0.23	42.13	63.86	-21.73	QP	
2		0.1940	29.10	0.23	29.33	53.86	-24.53	AVG	
3		2.6500	37.00	0.53	37.53	56.00	-18.47	QP	
4		2.6500	27.10	0.53	27.63	46.00	-18.37	AVG	
5		3.1060	38.20	0.59	38.79	56.00	-17.21	QP	
6 *		3.1060	28.70	0.59	29.29	46.00	-16.71	AVG	
7		3.6420	36.80	0.66	37.46	56.00	-18.54	QP	
8		3.6420	27.90	0.66	28.56	46.00	-17.44	AVG	
9		4.4940	35.50	0.77	36.27	56.00	-19.73	QP	
10		4.4940	26.60	0.77	27.37	46.00	-18.63	AVG	
11		9.8900	34.20	1.19	35.39	60.00	-24.61	QP	
12		9.8900	24.90	1.19	26.09	50.00	-23.91	AVG	

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

File :E1-2017-A0019\Data :#9

Page: 1

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Config_3_N

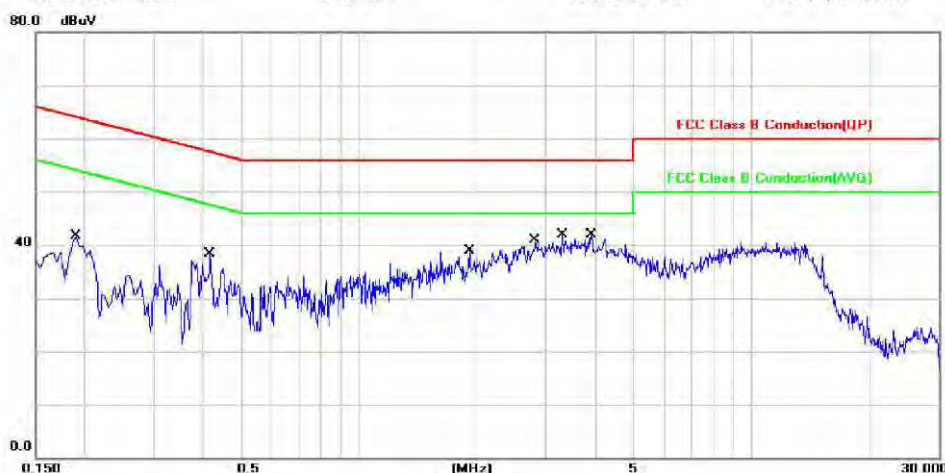
Site : Conduction Room
Limit: FCC Class B Conduction(QP)
Mode: Config_3
Note:

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

Temperature: 25 °C
Humidity: 59 %

Conducted Emission

File :E1-2017-A0019 Data :#10 Date: 2017/10/21 Time: 下午 07:26:01



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1900	38.00	0.31	38.31	64.04	-25.73	QP	
2		0.1900	25.60	0.31	25.91	54.04	-28.13	AVG	
3		0.4180	33.90	0.32	34.22	57.49	-23.27	QP	
4		0.4180	24.80	0.32	25.12	47.49	-22.37	AVG	
5		1.9140	31.70	0.44	32.14	56.00	-23.86	QP	
6		1.9140	22.70	0.44	23.14	46.00	-22.86	AVG	
7		2.8220	35.70	0.51	36.21	56.00	-19.79	QP	
8		2.8220	26.00	0.51	26.51	46.00	-19.49	AVG	
9		3.2980	34.90	0.55	35.45	56.00	-20.55	QP	
10		3.2980	26.10	0.55	26.65	46.00	-19.35	AVG	
11		3.9100	35.40	0.60	36.00	56.00	-20.00	QP	
12 *		3.9100	27.30	0.60	27.90	46.00	-18.10	AVG	

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

File :E1-2017-A0019\Data :#10

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 7	100950	2016/12/7	2017/12/6
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)

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Above 1GHz

SGS Radiated_Above_1GHz HWAYA 966B_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	101507	2017/5/27	2018/5/26
Horn Antenna	SCHWARZBEC K	BBHA9120D	BBHA9120D67 3	2017/10/16	2018/10/15
Horn Antenna	Schwarzbeck	BBHA9170	BBHA9170-184	2016/12/12	2017/12/11
Pre Amplifier	R&S	SCU-18	100203	2017/3/26	2018/3/26
Pre Amplifier	EMC Instruments	EMC184045B	980135	2016/10/27	2017/10/26
Coaxial Cable	EMC Instruments	EMC104-SM-SM	140923	2017/9/30	2018/9/29
Coaxial Cable	EMC Instruments	EMC104-SM-SM	140925	2017/9/30	2018/9/29
Coaxial Cable	EMC Instruments	EMC104-SM-SM	140927	2017/9/30	2018/9/29
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-7802	N/A	N/A	N.C.R.	N.C.R.
Antenna Master	N/A	N/A	N/A	N.C.R.	N.C.R.
Turn Table	N/A	N/A	N/A	N.C.R.	N.C.R.
Site VSWR	SGS	966 Chamber B	SAC-B	2017/10/8	2018/10/7
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 5.06 dB. (1-6GHz) Expanded uncertainty (k=2) of radiated emission measurement is 5.15 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

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2.5.4 Measurement Data

Below 1GHz

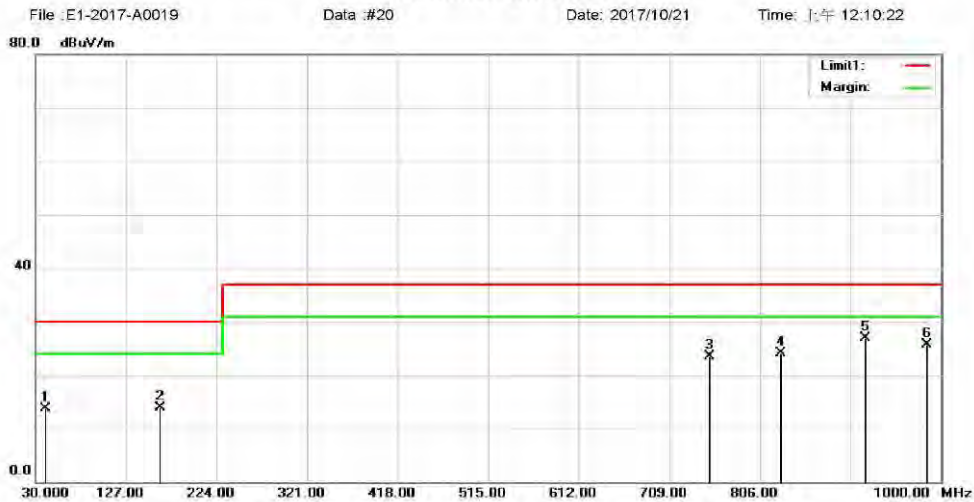
Config_1_H

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

Polarization: **Horizontal**
 Power: AC 120V/60Hz
 Distance: 10m

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		40.6700	25.06	-11.45	13.61	30.00	-16.39	QP	
2		163.8600	25.09	-11.19	13.90	30.00	-16.10	QP	
3		752.6500	23.89	-0.47	23.42	37.00	-13.58	QP	
4		828.3100	24.14	-0.03	24.11	37.00	-12.89	QP	
5 *		918.5200	25.84	1.01	26.85	37.00	-10.15	QP	
6		985.4500	24.12	1.63	25.75	37.00	-11.25	QP	

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

File: E1-2017-A0019\Data: #20

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Config_1_V

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

Polarization: **Vertical**
 Power: AC 120V/60Hz
 Distance: 10m

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	*	30.0000	30.55	-12.50	18.05	30.00	-11.95	QP	
2		39.7000	26.56	-11.43	15.13	30.00	-14.87	QP	
3		156.1000	23.85	-11.08	12.77	30.00	-17.23	QP	
4		781.7500	22.73	-0.13	22.60	37.00	-14.40	QP	
5		915.6100	22.90	0.89	23.79	37.00	-13.21	QP	
6		953.4400	22.97	1.14	24.11	37.00	-12.89	QP	

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

File: E1-2017-A0019\Data: #19

Page: 1

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Config_2_H

Site: SGS 10m Chamber
 Limit: CISPR22 Class B 10M Radiation
 Mode: Config_2
 Note: Data Write + CAMERA(Front)

Polarization: **Horizontal**
 Power: From System
 Distance: 10m

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		52.3100	24.77	-11.29	13.48	30.00	-16.52	QP	
2	*	153.3300	33.71	-11.47	22.24	30.00	-7.76	QP	
3		220.1200	31.13	-14.29	16.84	30.00	-13.16	QP	
4		777.8700	24.11	-0.32	23.79	37.00	-13.21	QP	
5		861.2900	23.78	0.21	23.99	37.00	-13.01	QP	
6		984.4800	23.93	1.63	25.56	37.00	-11.44	QP	

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

File: E1-2017-A0019\Data: #6

Page: 1

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Config_2_V

Site: SGS 10m Chamber
 Limit: CISPR22 Class B 10M Radiation
 Mode: Config_2
 Note: Data Write + CAMERA(Front)

Polarization: **Vertical**
 Power: From System
 Distance: 10m

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		55.2200	26.14	-11.12	15.02	30.00	-14.98	QP	
2		96.9300	33.20	-16.23	16.97	30.00	-13.03	QP	
3		153.1900	25.02	-11.00	14.02	30.00	-15.98	QP	
4		871.9600	22.71	0.35	23.06	37.00	-13.94	QP	
5		966.0500	22.87	1.26	24.13	37.00	-12.87	QP	
6 *		998.0600	22.64	1.58	24.22	37.00	-12.78	QP	

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

File: E1-2017-A0019\Data: #5

Page: 1

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Config_3_H

Site: SGS 10m Chamber
 Limit: CISPR22 Class B 10M Radiation
 Mode: Config_3
 Note: MP3 + CAMERA(Rear)

Polarization: **Horizontal**
 Power: AC 120V/60Hz
 Distance: 10m

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		41.6400	24.86	-11.37	13.49	30.00	-16.51	QP	
2		162.8900	25.06	-11.20	13.86	30.00	-16.14	QP	
3		640.1300	24.05	-2.10	21.95	37.00	-15.05	QP	
4		806.0000	23.90	-0.17	23.73	37.00	-13.27	QP	
5		908.8200	23.93	0.80	24.73	37.00	-12.27	QP	
6 *		978.6600	24.01	1.64	25.65	37.00	-11.35	QP	

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

File: E1-2017-A0019\Data: #10

Page: 1

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Config_3_V

Site: SGS 10m Chamber

Polarization: **Vertical**

Temperature: 25 °C

Limit: CISPR22 Class B 10M Radiation

Power: AC 120V/60Hz

Humidity: 65 %

Mode: Config_3

Distance: 10m

Note: MP3 + CAMERA(Rear)

Radiated Emission

File: E1-2017-A0019

Data: #9

Date: 2017/10/20

Time: 下午 09:25:41



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	39.7000	29.08	-11.43	17.65	30.00	-12.35	QP	
2		71.6200	29.53	-14.11	15.42	30.00	-14.58	QP	
3		98.8700	27.47	-15.96	11.51	30.00	-18.49	QP	
4		140.5800	23.98	-11.47	12.51	30.00	-17.49	QP	
5		883.6000	22.77	0.53	23.30	37.00	-13.70	QP	
6		984.4800	22.76	1.45	24.21	37.00	-12.79	QP	

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

File: E1-2017-A0019\Data: #9

Page: 1

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Above 1GHz

1GHz~6GHz

Config_1_H

Site: SGS 966 Chamber B
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea
 Mode: Config 1
 Note: WCDMA B1

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

Temperature: 23 °C
 Humidity: 63 %

Radiated Emission

File :A0019

Data :#56

Date: 2017/10/19

Time: 下午 11:42:13



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		1731.000	56.40	-16.19	40.21	74.00	-33.79	peak	
2 *		2105.000	65.43	-15.29	50.14	74.00	-23.86	peak	
3		3652.000	49.00	-12.21	36.79	74.00	-37.21	peak	
4		4026.000	55.74	-11.24	44.50	74.00	-29.50	peak	
5		5386.000	47.41	-8.04	39.37	74.00	-34.63	peak	
6		5947.000	52.24	-7.09	45.15	74.00	-28.85	peak	

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

File :A0019\Data :#56

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Config_1_V

Site: SGS 966 Chamber B

Polarization: **Vertical**

Temperature: 23 °C

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

Power: AC 120V/60Hz

Humidity: 63 %

Mode: Config 1

Distance:

Note: WCDMA B1

Radiated Emission

File :A0019

Data :#55

Date: 2017/10/19

Time: 下午 11:40:58



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Defector	Comment
			dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	*	2105.000	66.59	-15.29	51.30	74.00	-22.70	peak	
2		3006.000	49.31	-13.00	36.31	74.00	-37.69	peak	
3		3533.000	47.62	-12.52	35.10	74.00	-38.90	peak	
4		4179.000	48.33	-10.91	37.42	74.00	-36.58	peak	
5		4689.000	48.03	-9.55	38.48	74.00	-35.52	peak	
6		5403.000	47.56	-8.02	39.54	74.00	-34.46	peak	

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

File :A0019\Data :#55

Page: 1

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Config_2_H

Site: SGS 966 Chamber B

Polarization: **Horizontal**

Temperature: 23 °C

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

Power: AC 120V/60Hz

Humidity: 63 %

Mode: Config 2

Distance:

Note: Data Write+CAMER(Front)

Radiated Emission

File :A0019

Data :#58

Date: 2017/10/20

Time: 上午 12:40:07



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Defector	Comment
			dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	*	1595.000	63.51	-16.49	47.02	74.00	-26.98	peak	
2		1986.000	50.00	-15.63	34.37	74.00	-39.63	peak	
3		4111.000	47.26	-11.05	36.21	74.00	-37.79	peak	
4		4706.000	47.16	-9.50	37.66	74.00	-36.34	peak	
5		5386.000	46.88	-8.04	38.84	74.00	-35.16	peak	
6		5760.000	46.31	-7.44	38.87	74.00	-35.13	peak	

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

File :A0019\Data :#58

Page: 1

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Config_2_V

Site: SGS 966 Chamber B

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

Mode: Config 2

Note: Data Write+CAMER(Front)

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance:

Temperature: 23 °C

Humidity: 63 %

Radiated Emission

File :A0019

Data :#57

Date: 2017/10/20

Time: 上午 12:39:22



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Defector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		1578.000	57.26	-16.52	40.74	74.00	-33.26	peak	
2		1986.000	54.98	-15.63	39.35	74.00	-34.65	peak	
3 *		2394.000	56.47	-14.42	42.05	74.00	-31.95	peak	
4		3176.000	52.48	-12.86	39.62	74.00	-34.38	peak	
5		5284.000	46.84	-8.16	38.68	74.00	-35.32	peak	
6		5760.000	47.16	-7.44	39.72	74.00	-34.28	peak	

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

File :A0019\Data :#57

Page: 1

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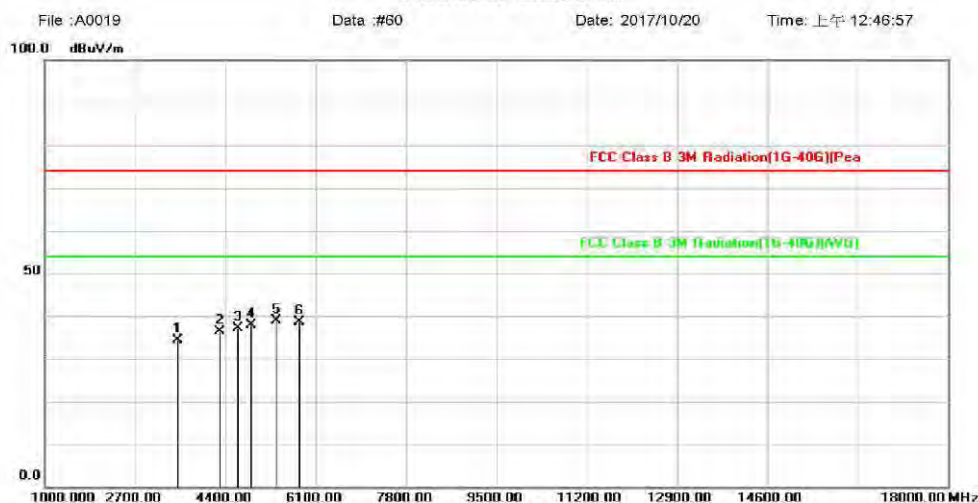
Config_3_H

Site :SGS 966 Chamber B
Limit: FCC Class B 3M Radiation(1G-40G)(Pea
Mode: Config 3
Note: Mp3+CAMERA(Rear)

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

Temperature: 23 ℃
Humidity: 63 %

Radiated Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Defector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		3499.000	46.94	-12.60	34.34	74.00	-39.66	peak	
2		4298.000	46.92	-10.64	36.28	74.00	-37.72	peak	
3		4638.000	46.77	-9.73	37.04	74.00	-36.96	peak	
4		4876.000	46.85	-8.91	37.94	74.00	-36.06	peak	
5 *		5352.000	46.99	-8.08	38.91	74.00	-35.09	peak	
6		5794.000	45.96	-7.37	38.59	74.00	-35.41	peak	

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

File :A0019\Data :#60

Page: 1

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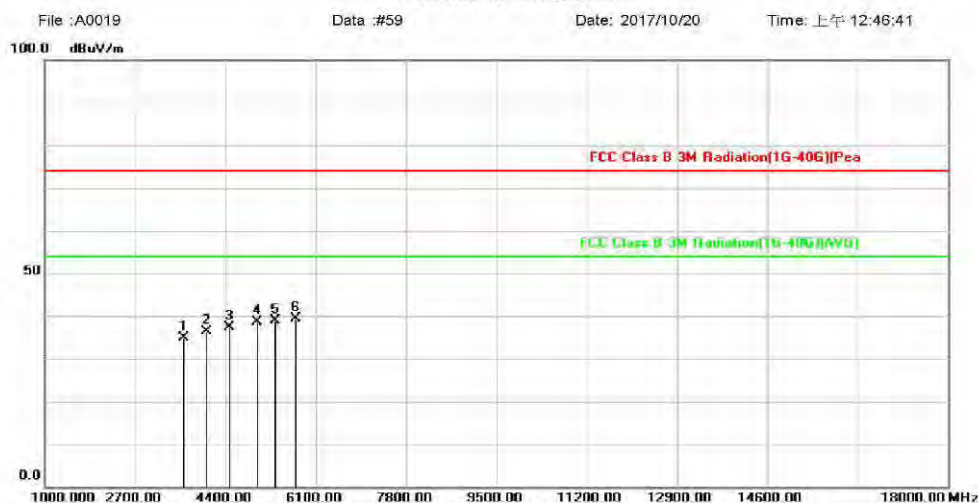
Config_3_V

Site: SGS 966 Chamber B
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea
 Mode: Config 3
 Note: Mp3+CAMERA(Rear)

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

Temperature: 23 °C
 Humidity: 63 %

Radiated Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Defector	Comment
			dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		3618.000	47.19	-12.29	34.90	74.00	-39.10	peak	
2		4043.000	47.60	-11.20	36.40	74.00	-37.60	peak	
3		4468.000	47.63	-10.27	37.36	74.00	-36.64	peak	
4		4995.000	47.18	-8.52	38.66	74.00	-35.34	peak	
5		5335.000	47.03	-8.10	38.93	74.00	-35.07	peak	
6 *		5726.000	46.94	-7.49	39.45	74.00	-34.55	peak	

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

File :A0019\Data :#59

Page: 1

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18GHz~26GHz

Config_1_H

Site: SGS 966 Chamber B

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: WCDMA B1

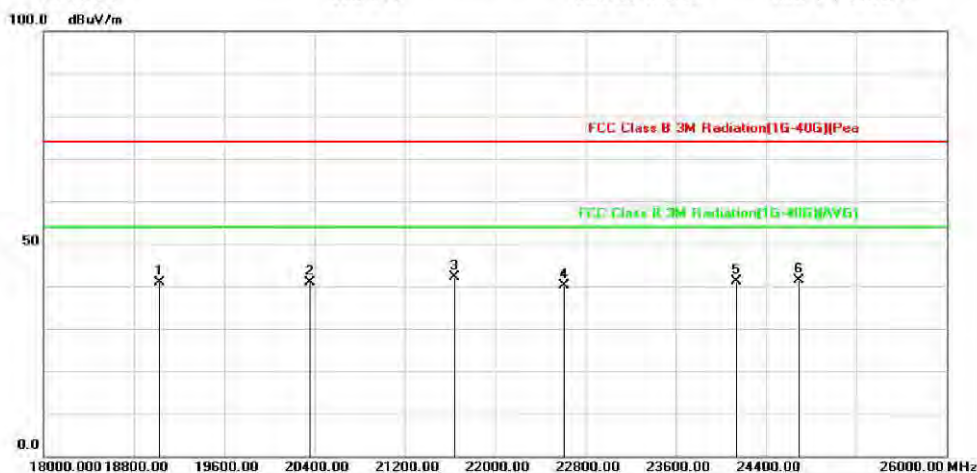
Radiated Emission

File :A0019

Data :#76

Date: 2017/10/30

Time: 下午 09:03:41



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		19024.000	53.08	-12.20	40.88	74.00	-33.12	peak	
2		20360.000	54.06	-13.13	40.93	74.00	-33.07	peak	
3	*	21640.000	54.06	-11.87	42.19	74.00	-31.81	peak	
4		22608.000	52.27	-12.13	40.14	74.00	-33.86	peak	
5		24136.000	50.49	-9.30	41.19	74.00	-32.81	peak	
6		24688.000	51.66	-10.29	41.37	74.00	-32.63	peak	

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

File :A0019\Data :#76

Page: 1

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Config_1_V

Site: SGS 966 Chamber B

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: WCDMA B1

Radiated Emission

File :A0019

Data :#75

Date: 2017/10/30

Time: 下午 09:01:23

100.0 dBuV/m



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		19384.000	54.30	-12.13	42.17	74.00	-31.83	peak	
2		20928.000	53.36	-11.82	41.54	74.00	-32.46	peak	
3		21552.000	52.97	-11.76	41.21	74.00	-32.79	peak	
4		23120.000	53.18	-11.84	41.34	74.00	-32.66	peak	
5 *		23880.000	52.22	-9.41	42.81	74.00	-31.19	peak	
6		24688.000	52.60	-10.29	42.31	74.00	-31.69	peak	

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

File :A0019\Data :#75

Page: 1

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Config_2_H

Site: SGS 966 Chamber B

Polarization: **Horizontal**

Temperature: 22 °C

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

Power: AC 120V/60Hz

Humidity: 70 %

Mode: Config 2

Distance:

Note: Data Write+CAMER(Front)

Radiated Emission

File :A0019

Data :#78

Date: 2017/10/30

Time: 下午 09:08:24

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		19392.000	53.71	-12.12	41.59	74.00	-32.41	peak	
2		19656.000	53.52	-12.45	41.07	74.00	-32.93	peak	
3	*	20920.000	53.75	-11.84	41.91	74.00	-32.09	peak	
4		21424.000	53.33	-11.69	41.64	74.00	-32.36	peak	
5		22152.000	52.66	-12.24	40.42	74.00	-33.58	peak	
6		23072.000	52.79	-11.98	40.81	74.00	-33.19	peak	

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

File :A0019\Data :#78

Page: 1

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Config_2_V

Site: SGS 966 Chamber B

Polarization: **Vertical**

Temperature: 22 °C

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

Power: AC 120V/60Hz

Humidity: 70 %

Mode: Config 2

Distance:

Note: Data Write+CAMER(Front)

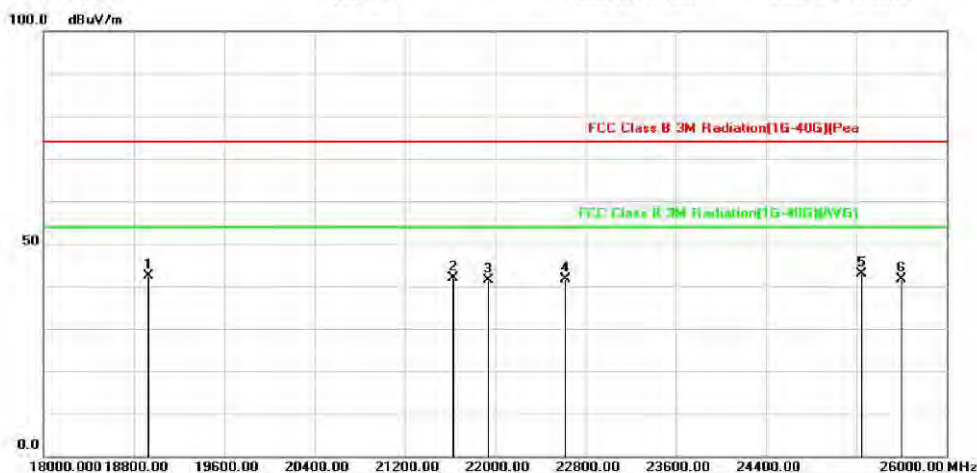
Radiated Emission

File :A0019

Data :#77

Date: 2017/10/30

Time: 下午 09:05:16



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		18936.000	54.85	-12.40	42.45	74.00	-31.55	peak	
2		21632.000	53.64	-11.86	41.78	74.00	-32.22	peak	
3		21936.000	53.65	-12.22	41.43	74.00	-32.57	peak	
4		22624.000	53.86	-12.13	41.73	74.00	-32.27	peak	
5 *		25248.000	53.59	-10.70	42.89	74.00	-31.11	peak	
6		25600.000	52.50	-10.78	41.72	74.00	-32.28	peak	

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

File :A0019\Data :#77

Page: 1

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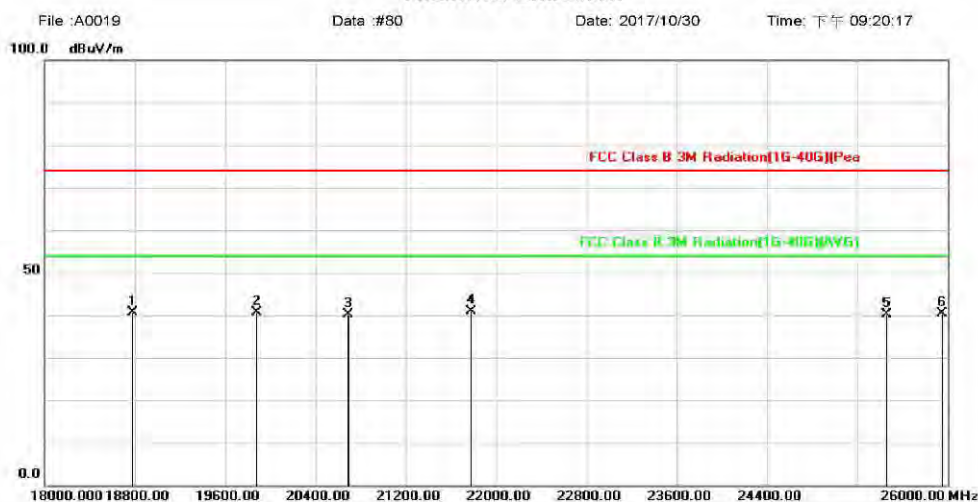
Config_3_H

Site: SGS 966 Chamber B
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea
 Mode: Config 3
 Note: Mp3+CAMERA(Rear)

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

Temperature: 22 °C
 Humidity: 70 %

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		18784.000	53.38	-12.85	40.53	74.00	-33.47	peak	
2		19880.000	53.47	-12.93	40.54	74.00	-33.46	peak	
3		20696.000	52.64	-12.51	40.13	74.00	-33.87	peak	
4 *		21784.000	52.88	-12.04	40.84	74.00	-33.16	peak	
5		25456.000	50.92	-10.78	40.14	74.00	-33.86	peak	
6		25952.000	51.05	-10.71	40.34	74.00	-33.66	peak	

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

File :A0019\Data :#80

Page: 1

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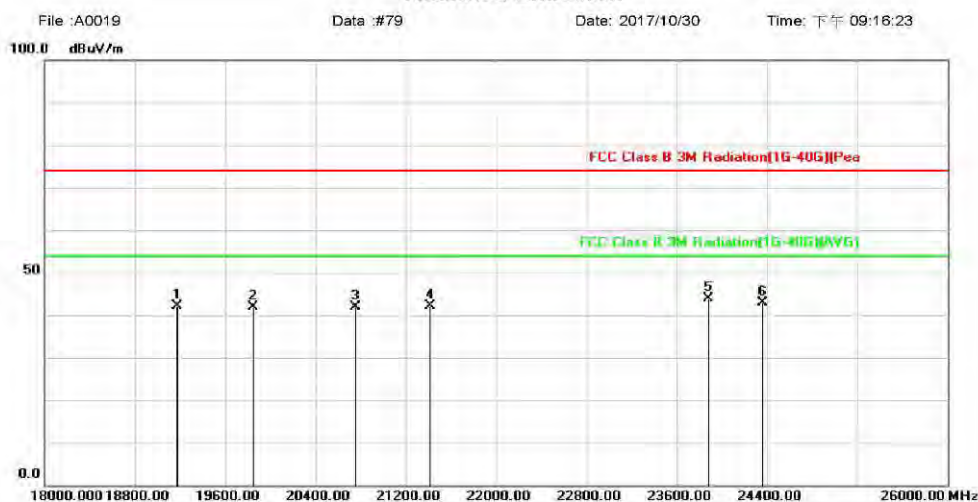
Config_3_V

Site: SGS 966 Chamber B
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea
 Mode: Config 3
 Note: Mp3+CAMERA(Rear)

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

Temperature: 22 °C
 Humidity: 70 %

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		19176.000	54.21	-12.16	42.05	74.00	-31.95	peak	
2		19848.000	54.79	-12.86	41.93	74.00	-32.07	peak	
3		20752.000	54.31	-12.34	41.97	74.00	-32.03	peak	
4		21416.000	53.78	-11.69	42.09	74.00	-31.91	peak	
5 *		23880.000	53.22	-9.41	43.81	74.00	-30.19	peak	
6		24360.000	52.58	-9.79	42.79	74.00	-31.21	peak	

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

File :A0019\Data :#79

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26GHz~30GHz

Config_1_H

Site: SGS 966 Chamber B

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: WCDMA B1

Radiated Emission

File :A0019

Data :#88

Date: 2017/10/30

Time: 下午 09:34:08



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		26576.000	8.98	39.71	48.69	74.00	-25.31	peak	
2		26948.000	8.95	39.26	48.21	74.00	-25.79	peak	
3 *		27392.000	9.34	39.36	48.70	74.00	-25.30	peak	
4		27884.000	7.66	39.55	47.21	74.00	-26.79	peak	
5		28400.000	5.29	39.60	44.89	74.00	-29.11	peak	
6		28644.000	5.71	39.63	45.34	74.00	-28.66	peak	

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

File :A0019\Data :#88

Page: 1

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Config_1_V

Site: SGS 966 Chamber B

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: WCDMA B1

Radiated Emission

File :A0019

Data :#87

Date: 2017/10/30

Time: 下午 09:31:31

100.0 dBuV/m



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		26504.000	8.09	39.80	47.89	74.00	-26.11	peak	
2	*	26828.000	10.42	39.41	49.83	74.00	-24.17	peak	
3		27392.000	10.14	39.36	49.50	74.00	-24.50	peak	
4		28128.000	6.97	39.60	46.57	74.00	-27.43	peak	
5		28660.000	5.59	39.63	45.22	74.00	-28.78	peak	
6		28748.000	4.76	39.65	44.41	74.00	-29.59	peak	

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

File :A0019\Data :#87

Page: 1

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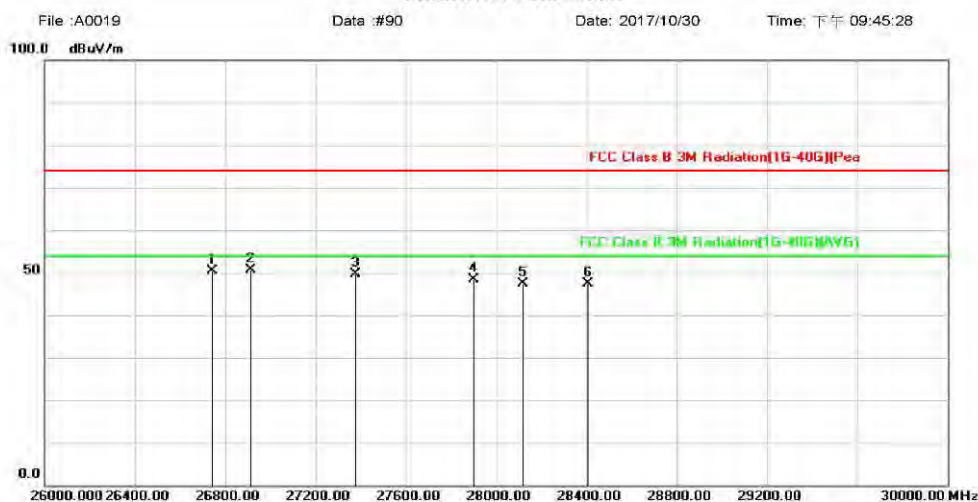
Config_2_H

Site: SGS 966 Chamber B
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea
 Mode: Config 2
 Note: Data Write+CAMER(Front)

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

Temperature: 22 °C
 Humidity: 70 %

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		26744.000	10.89	39.51	50.40	74.00	-23.60	peak	
2	*	26912.000	11.33	39.31	50.64	74.00	-23.36	peak	
3		27380.000	10.24	39.35	49.59	74.00	-24.41	peak	
4		27900.000	8.74	39.56	48.30	74.00	-25.70	peak	
5		28120.000	7.69	39.60	47.29	74.00	-26.71	peak	
6		28408.000	7.70	39.60	47.30	74.00	-26.70	peak	

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

File :A0019\Data :#90

Page: 1

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Config_2_V

Site: SGS 966 Chamber B

Polarization: **Vertical**

Temperature: 22 °C

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

Power: AC 120V/60Hz

Humidity: 70 %

Mode: Config 2

Distance:

Note: Data Write+CAMER(Front)

Radiated Emission

File :A0019

Data :#89

Date: 2017/10/30

Time: 下午 09:40:44



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	*	26732.000	10.95	39.52	50.47	74.00	-23.53	peak	
2		26900.000	10.44	39.32	49.76	74.00	-24.24	peak	
3		27352.000	10.00	39.34	49.34	74.00	-24.66	peak	
4		27888.000	8.38	39.56	47.94	74.00	-26.06	peak	
5		28092.000	8.13	39.60	47.73	74.00	-26.27	peak	
6		28220.000	7.66	39.60	47.26	74.00	-26.74	peak	

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

File :A0019\Data :#89

Page: 1

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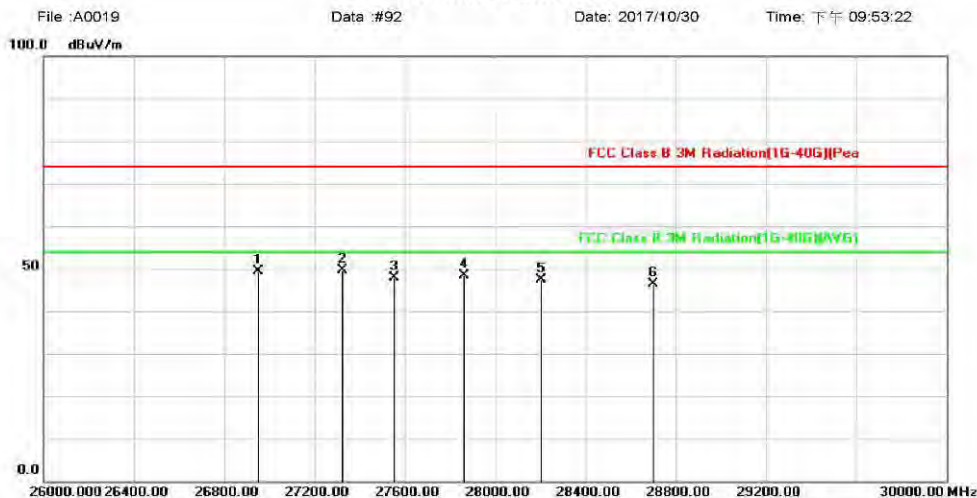
Config_3_H

Site: SGS 966 Chamber B
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea
 Mode: Config 3
 Note: Mp3+CAMERA(Rear)

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

Temperature: 22 °C
 Humidity: 70 %

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		26952.000	10.08	39.26	49.34	74.00	-24.66	peak	
2	*	27324.000	10.28	39.33	49.61	74.00	-24.39	peak	
3		27556.000	8.44	39.42	47.86	74.00	-26.14	peak	
4		27864.000	8.88	39.55	48.43	74.00	-25.57	peak	
5		28204.000	7.80	39.60	47.40	74.00	-26.60	peak	
6		28700.000	6.72	39.64	46.36	74.00	-27.64	peak	

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

File :A0019\Data :#92

Page: 1

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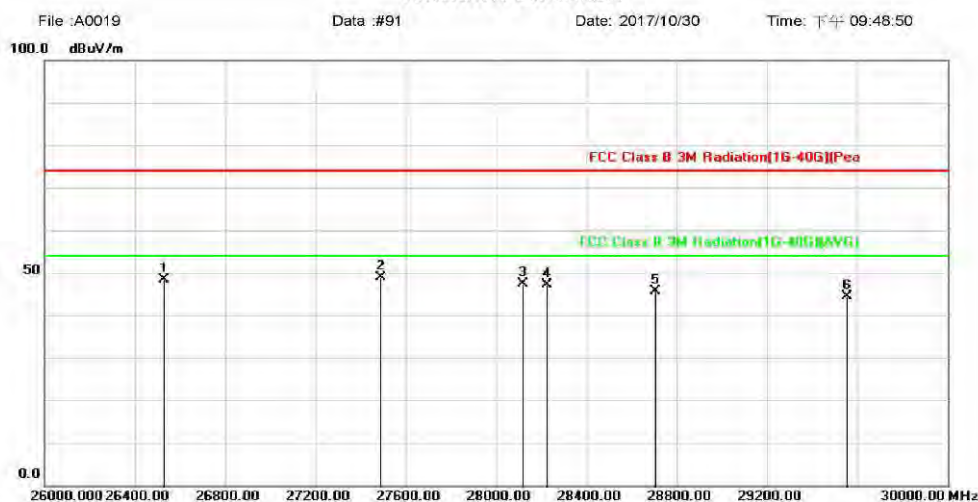
Config_3_V

Site: SGS 966 Chamber B
 Limit: FCC Class B 3M Radiation(1G-40G)(Pea
 Mode: Config 3
 Note: Mp3+CAMERA(Rear)

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

Temperature: 22 °C
 Humidity: 70 %

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		26528.000	8.70	39.77	48.47	74.00	-25.53	peak	
2	*	27492.000	9.57	39.40	48.97	74.00	-25.03	peak	
3		28120.000	7.86	39.60	47.46	74.00	-26.54	peak	
4		28224.000	7.43	39.60	47.03	74.00	-26.97	peak	
5		28708.000	6.03	39.64	45.67	74.00	-28.33	peak	
6		29552.000	4.50	39.92	44.42	74.00	-29.58	peak	

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

File :A0019\Data :#91

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