

FCC CERTIFICATION REPORT

Test Report No. : MH/2018/60092

Applicant : Panasonic Mobile Communications Co., Ltd.

Address : 600 Saedo-cho, Tsuzuki-ku, Yokohama-City, Kanagawa, 224-8539, Japan

Manufacturer : Panasonic Mobile Communications Co., Ltd.

Address : 600 Saedo-cho, Tsuzuki-ku, Yokohama-City, Kanagawa, 224-8539, Japan

Equipment Under Test (EUT) :

Product Name : Tablet Computer

Brand Name : Panasonic

Model No. : P-01K

Added Model(s) : N/A

FCC ID : UCE318001A

Standards : FCC Part 15, Subpart B, Class B

Date of Receipt : Jun. 11, 2018

Date of Test : Jun. 11 ~ 21, 2018

Date of Issue : Jul. 06, 2018

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.

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Tested By:

Thomas Liu

Date

Jul. 06, 2018

Thomas Liu (Engineer)

Approved By

Eddy Cheng

Date

Jul. 06, 2018

Eddy Cheng (Asst. Supervisor)



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Revision History

Report Number	Revision	Description	Issue Date
MH/2018/60092	Rev.00	Initial creation of document	Jul. 06, 2018

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1. General Information

1.1 Applicant & Manufacturer Information

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Manufacturer : Panasonic Mobile Communications Co., Ltd.
Address of Manufacturer : 600 Saedo-cho, Tsuzuki-ku, Yokohama-City,
Kanagawa, 224-8539, Japan

1.2 General Description of EUT

Product Name : Tablet Computer
Brand Name : Panasonic
Model No. : P-01K
Added Model(s) : N/A
Model Difference : N/A

1.3 Details of EUT

Power Supply : AC 100~240V, 50~60Hz
Worst case : CE / Below_RE / Above_RE _Worst_ case:
Config1~4
Highest operate description : 5725MHz
Adapter : Support: MITSUMI
Model : 04
AC Input : AC 100-240V, 50/60Hz, 0.22A
DC Output: DC 5V, 1.8A
Headset : RP-TCM125E-K

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Modes/Function:

P-01K	Config 1	Config2	Config 3	Config 4
Applicable standard	FCC 15B			
Accessories	EUT + AC Adaptor +PHF	EUT +USB Cable +PHF	EUT + AC Adaptor +PHF	EUT + AC Adaptor +Charging Cup
Main function	Speech	Data Link	Camera	Charging
Additional function	BT+WiFi +NFC			
radiated emission	GSM 850/1900 WCDMA BV LTE B05	Data R/W	MP3/ ;REC mode (Back) ;play REC	Charging
conducted emission (DC Power)	NA	NA	NA	NA
conducted emission (AC Power)	GSM 850/1900 WCDMA BV LTE B05	Data R/W	MP3/ ;REC mode (Back) ;play REC	Charging

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1.4 Operation Procedure

Config 1

1. EUT plug in SIM Card, Micro SD Card, connected to Adapter, earphone.
2. Place the NFC card on the front of the EUT to determine functionality.
3. GPS/Glonass Link.
4. Wifi Worst 2.4G or 5G or Bluetooth Link.
5. GSM850/1900, WCDMA B5, LTE B5, Worst Idle.
6. Start the test.

Config 2

1. EUT plug in SIM Card, Micro SD Card, connected USB Cable Link NB.
2. Place the NFC card on the front of the EUT to determine functionality.
3. GPS/Glonass Link.
4. Wifi Worst 2.4G or 5G or Bluetooth Link.
5. EUT & NB R/W.
6. Start the test.

Config 3

1. EUT plug in SIM Card, Micro SD Card, connected to Adapter, earphone.
2. Place the NFC card on the front of the EUT to determine functionality.
3. GPS/Glonass Link
4. Wifi Worst 2.4G or 5G or Bluetooth Link
5. Turn camera on and start recording
6. Start the test.

Config 4

1. Connected Docking to the adapter and EUT plug in Docking.
2. Place the NFC card on the front of the EUT to determine functionality.
3. GPS/Glonass Link
4. Wifi Worst 2.4G or 5G Link
5. 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
Radio Communication Analyzer	R&S	CMU200	102189
Radio Communication Analyzer	R&S	CMU500	1201.002K50-152303-Zr
AP	BUFFALO	WZR-HP-G300NH2	44066221202559[[G]]
GPS Signal Generator	Spectracom	GSG53 GNSS4	200218
Mouse	DELL	MS111-T	CN-OKW2YH-71616-345-OL7T
Printer	HP	VCVRA-1004	CN33K19J3F
Notebook (Win7)	DELL	Latitude E5430	COVZYW1

Support Equipment Used in Tested Cable

Cable Type	Core	Length	Shielding/Non-shielding
USB cable	N/A	1.5m	Shielding
USB cable	N/A	1.8m	Shielding

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
DC cable	Near EUT & AE	1.05m	N/A	Shielding
USB cable	Near EUT & AE	1.25m	N/A	Shielding
Earphone cable	N/A	1.26m	N/A	Non-shielding

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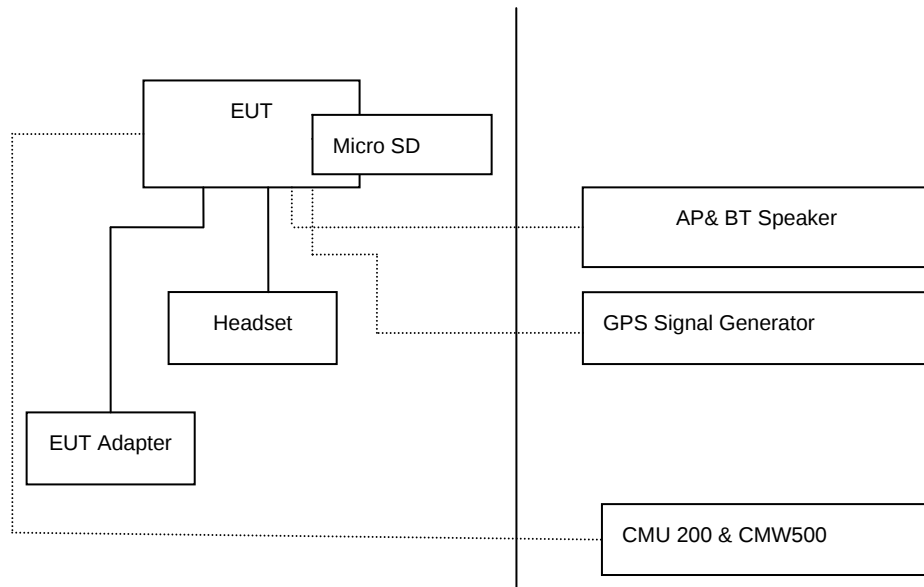
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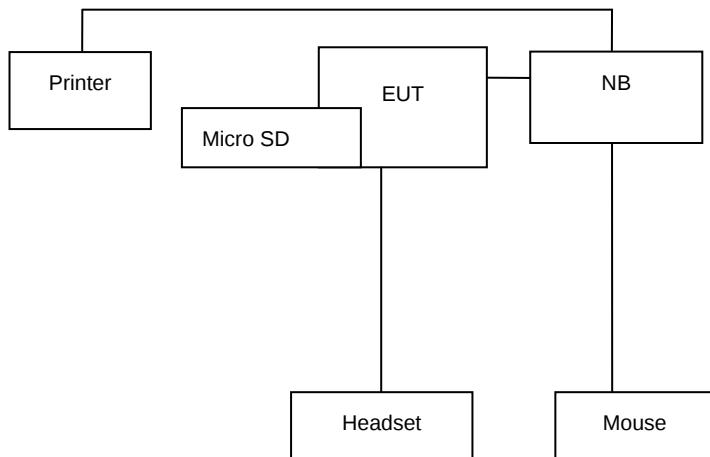
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1.8 Test Set-Up Configuration

Mode:Config 1



Mode:Config 2



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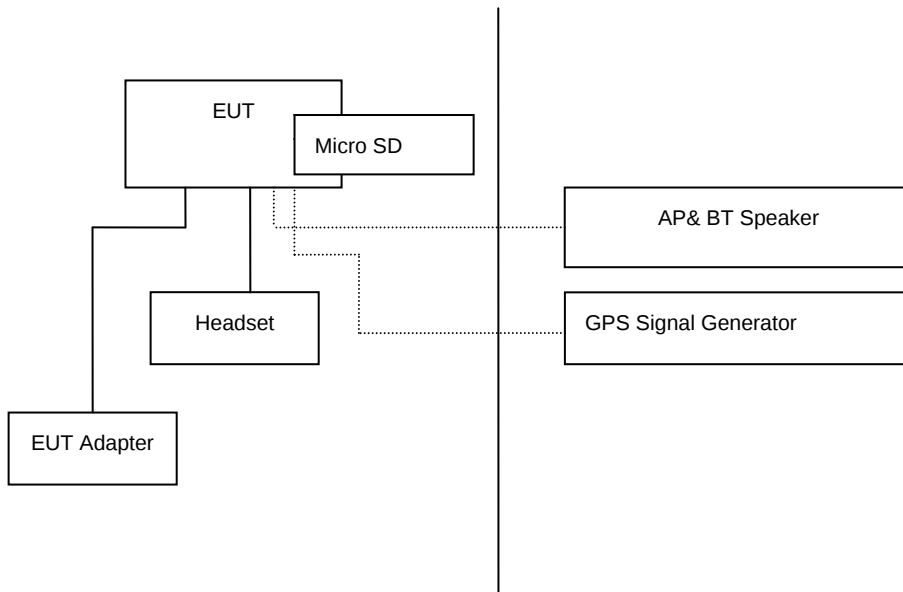
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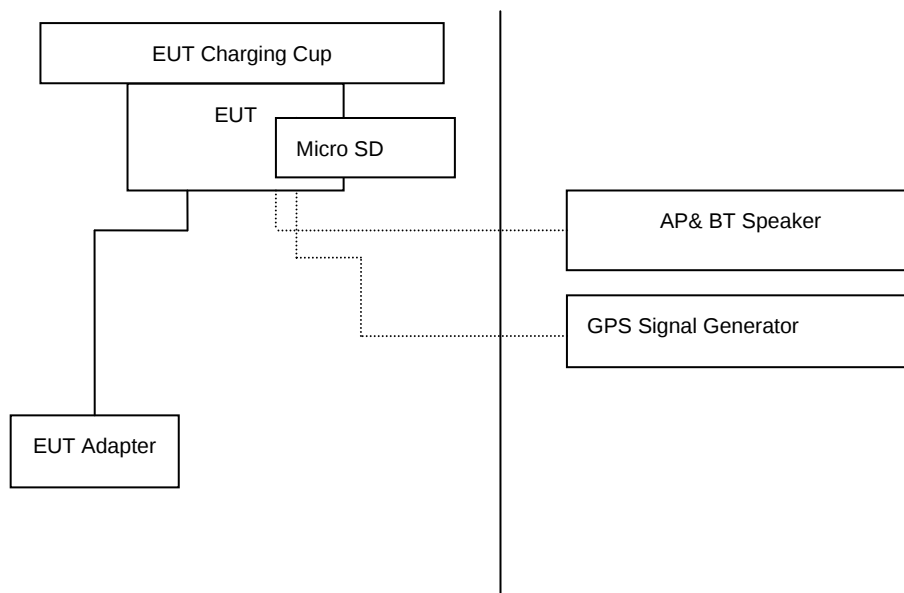
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Mode:Config 3



Mode:Config 4



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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	0.3660	-9.95 (AVG)
			Neutral	0.3660	-8.96 (AVG)
	Radiated Emission	PASS	Ver.	30.0000	-10.79 (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

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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.B EMC					
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI 3	101300	2017/11/1	2018/10/31
Coaxial Cable	EMC Instruments Corp.	EMC5D-BM-BM-3000	1401004	2018/5/25	2019/5/24
LISN	TESEQ	NNB 51	36061	2018/2/26	2019/2/25
Pulse Limiter	R&S	ESH3Z2	102099	2018/6/8	2019/6/7
LISN	TESEQ	NNB 51	36062	2018/3/30	2019/3/29
Communication Tester	R&S	CMU200	119988	2018/2/22	2019/2/21
Communication Tester	R&S	CMW500	152303	2018/2/21	2019/2/20
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 Ulab (K=2) of conducted emission is 2.25 dB Theory values uncertainty Ucispr 16-4-2:2011+A1:2014 (K=2) of AC mains Conducted Emission is 3.44dB					

2.4.2 Operating Environment

Temperature : 25 degree C

Humidity : 65 %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:

Model No.:P-01K

Config_1_L

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

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

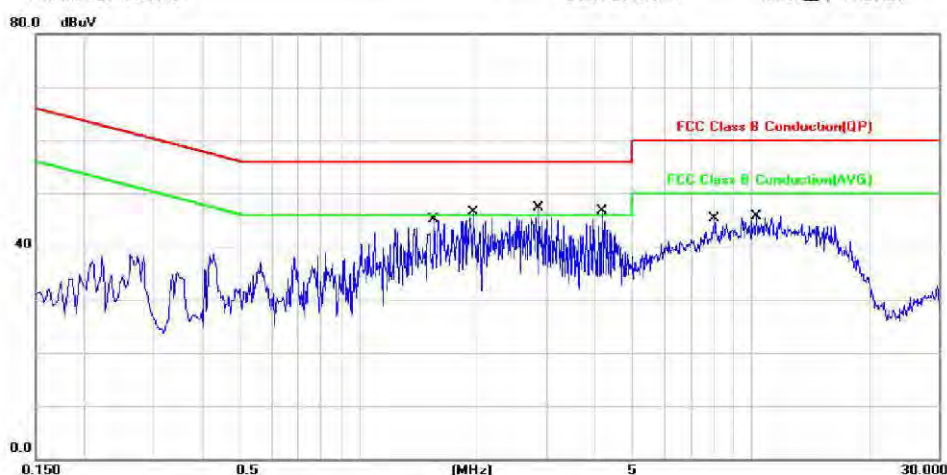
Temperature: 25 °C
 Humidity: 65 %

Conducted Emission

File :MH-2018-60092

Date: 2018/6/14

Time: 上午 11:25:23



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		1.5580	19.80	20.24	40.04	56.00	-15.96	QP	
2		1.5580	7.30	20.24	27.54	46.00	-18.46	AVG	
3		1.9580	20.10	20.53	40.63	56.00	-15.37	QP	
4		1.9580	10.00	20.53	30.53	46.00	-15.47	AVG	
5 *		2.8700	22.90	20.31	43.21	56.00	-12.79	QP	
6		2.8700	10.20	20.31	30.51	46.00	-15.49	AVG	
7		4.1580	23.00	19.98	42.98	56.00	-13.02	QP	
8		4.1580	8.50	19.98	28.48	46.00	-17.52	AVG	
9		8.0380	19.06	19.96	39.02	60.00	-20.98	QP	
10		8.0380	12.90	19.96	32.86	50.00	-17.14	AVG	
11		10.3180	20.17	19.95	40.12	60.00	-19.88	QP	
12		10.3180	14.19	19.95	34.14	50.00	-15.86	AVG	

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

File :MH-2018-60092

Page: 1

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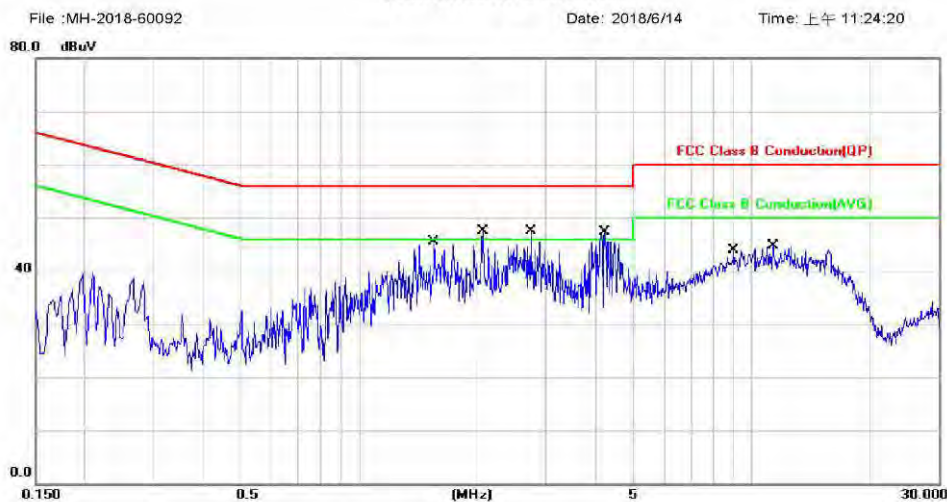
Config_1_N

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

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

Temperature: 25 °C
Humidity: 65 %

Conducted Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		1.5540	17.20	20.23	37.43	56.00	-18.57	QP	
2		1.5540	8.00	20.23	28.23	46.00	-17.77	AVG	
3		2.0700	17.10	20.52	37.62	56.00	-18.38	QP	
4		2.0700	7.90	20.52	28.42	46.00	-17.58	AVG	
5		2.7500	20.70	20.32	41.02	56.00	-14.98	QP	
6 *		2.7500	11.10	20.32	31.42	46.00	-14.58	AVG	
7		4.2460	21.10	19.96	41.06	56.00	-14.94	QP	
8		4.2460	6.10	19.96	26.06	46.00	-19.94	AVG	
9		9.0220	17.73	19.95	37.68	60.00	-22.32	QP	
10		9.0220	11.63	19.95	31.58	50.00	-18.42	AVG	
11		11.3700	18.60	19.96	38.56	60.00	-21.44	QP	
12		11.3700	12.43	19.96	32.39	50.00	-17.61	AVG	

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

File :MH-2018-60092

Page: 1

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Config_2_L

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

Phase: L1
Power: AC 120V/60Hz

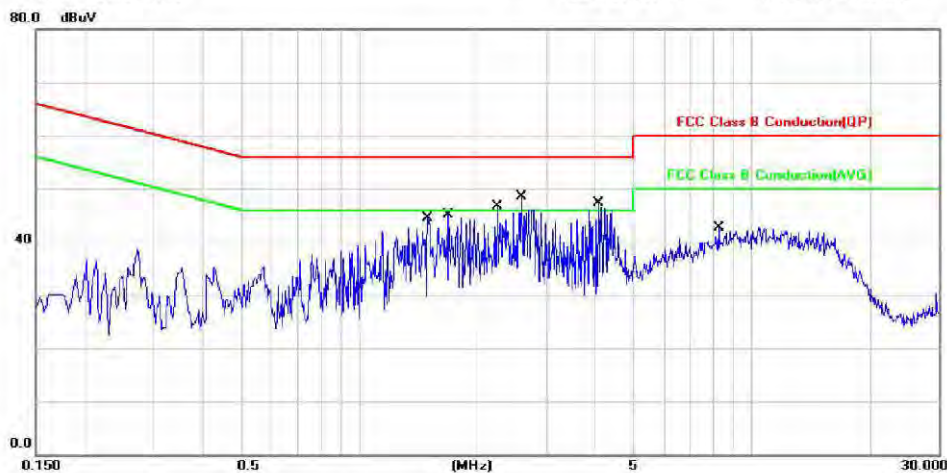
Temperature: 25 °C
Humidity: 65 %

Conducted Emission

File :MH-2018-60092

Date: 2018/6/14

Time: 上午 11:37:51



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		1.5020	15.21	20.20	35.41	56.00	-20.59	QP	
2		1.5020	5.86	20.20	26.06	46.00	-19.94	AVG	
3		1.6900	16.45	20.33	36.78	56.00	-19.22	QP	
4		1.6900	5.60	20.33	25.93	46.00	-20.07	AVG	
5		2.2580	17.29	20.48	37.77	56.00	-18.23	QP	
6		2.2580	9.58	20.48	30.06	46.00	-15.94	AVG	
7 *		2.5980	21.91	20.39	42.30	56.00	-13.70	QP	
8		2.5980	10.37	20.39	30.76	46.00	-15.24	AVG	
9		4.0780	19.68	19.98	39.66	56.00	-16.34	QP	
10		4.0780	6.30	19.98	26.28	46.00	-19.72	AVG	
11		8.2380	17.00	19.96	36.96	60.00	-23.04	QP	
12		8.2380	11.30	19.96	31.26	50.00	-18.74	AVG	

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

File :MH-2018-60092

Page: 1

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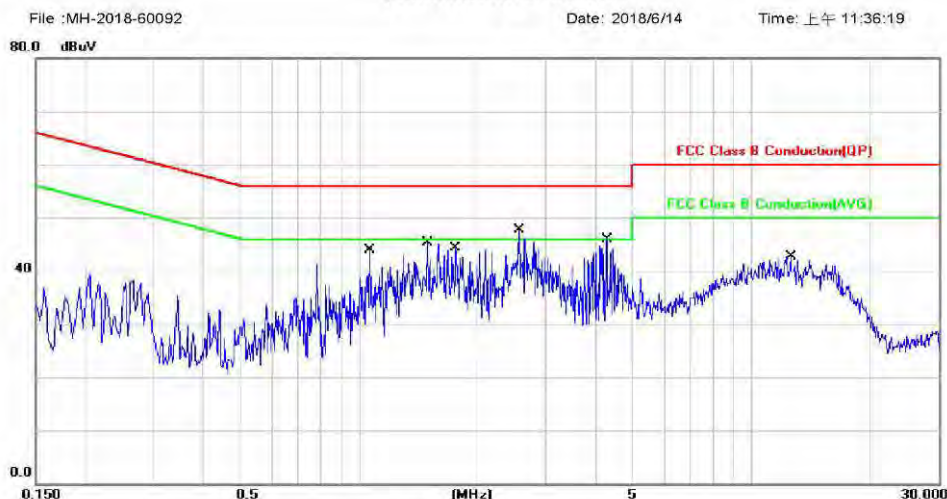
Config_2_N

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

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

Temperature: 25 °C
Humidity: 65 %

Conducted Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		1.0660	11.80	19.89	31.69	56.00	-24.31	QP	
2		1.0660	3.30	19.89	23.19	46.00	-22.81	AVG	
3		1.5020	13.40	20.20	33.60	56.00	-22.40	QP	
4		1.5020	5.40	20.20	25.60	46.00	-20.40	AVG	
5		1.7660	13.30	20.40	33.70	56.00	-22.30	QP	
6		1.7660	5.78	20.40	26.18	46.00	-19.82	AVG	
7		2.5660	16.57	20.40	36.97	56.00	-19.03	QP	
8 *		2.5660	7.77	20.40	28.17	46.00	-17.83	AVG	
9		4.2900	16.06	19.98	36.04	56.00	-19.96	QP	
10		4.2900	3.90	19.98	23.88	46.00	-22.12	AVG	
11		12.5900	16.90	19.97	36.87	60.00	-23.13	QP	
12		12.5900	11.10	19.97	31.07	50.00	-18.93	AVG	

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

File :MH-2018-60092

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

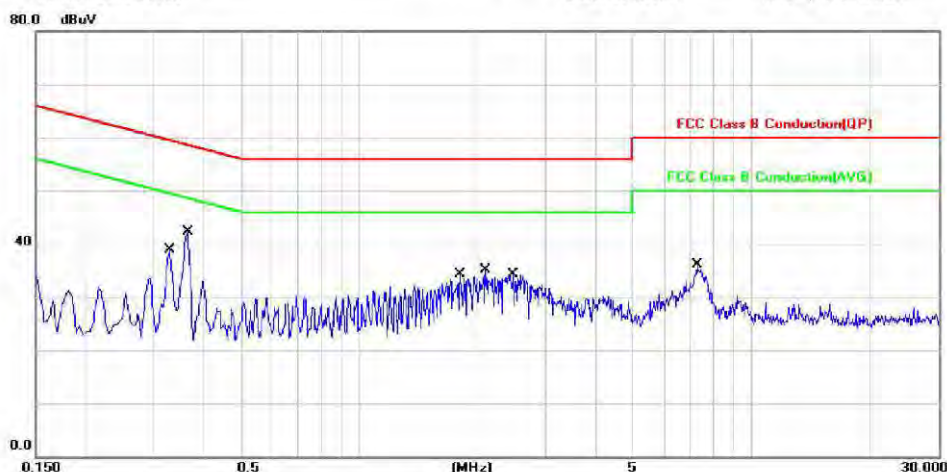
Temperature: 25 °C
Humidity: 65 %

Conducted Emission

File :MH-2018-60092

Date: 2018/6/14

Time: 下午 01:58:24



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.3300	17.80	19.95	37.75	59.45	-21.70	QP	
2		0.3300	13.70	19.95	33.65	49.45	-15.80	AVG	
3		0.3660	21.80	20.04	41.84	58.59	-16.75	QP	
4 *		0.3660	18.60	20.04	38.64	48.59	-9.95	AVG	
5		1.8180	9.22	20.43	29.65	56.00	-26.35	QP	
6		1.8180	3.30	20.43	23.73	46.00	-22.27	AVG	
7		2.1100	10.80	20.53	31.33	56.00	-24.67	QP	
8		2.1100	3.70	20.53	24.23	46.00	-21.77	AVG	
9		2.4820	10.80	20.42	31.22	56.00	-24.78	QP	
10		2.4820	2.80	20.42	23.22	46.00	-22.78	AVG	
11		7.2700	11.40	19.97	31.37	60.00	-28.63	QP	
12		7.2700	3.46	19.97	23.43	50.00	-26.57	AVG	

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

File :MH-2018-60092

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

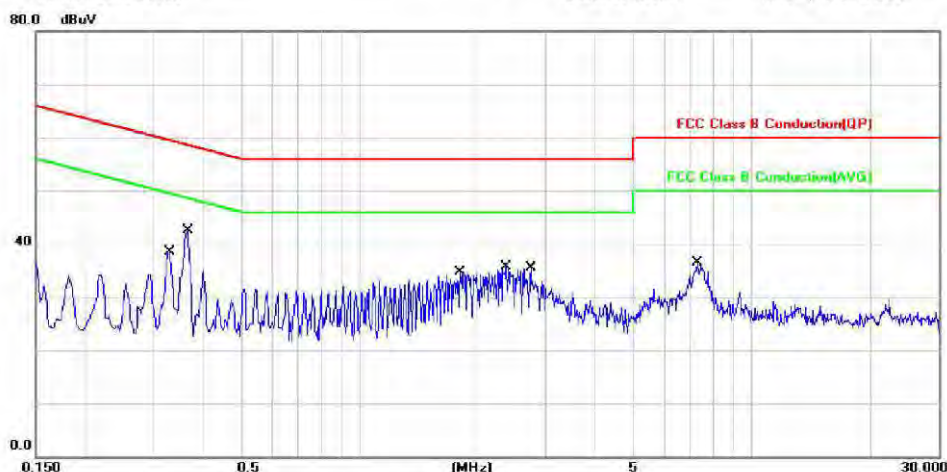
Temperature: 25 °C
Humidity: 65 %

Conducted Emission

File :MH-2018-60092

Date: 2018/6/14

Time: 下午 01:56:03



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.3300	17.90	19.94	37.84	59.45	-21.61	QP	
2		0.3300	14.60	19.94	34.54	49.45	-14.91	AVG	
3		0.3660	22.50	20.03	42.53	58.59	-16.06	QP	
4 *		0.3660	19.60	20.03	39.63	48.59	-8.96	AVG	
5		1.8180	10.67	20.41	31.08	56.00	-24.92	QP	
6		1.8180	4.80	20.41	25.21	46.00	-20.79	AVG	
7		2.3740	12.60	20.43	33.03	56.00	-22.97	QP	
8		2.3740	4.50	20.43	24.93	46.00	-21.07	AVG	
9		2.7380	11.00	20.33	31.33	56.00	-24.67	QP	
10		2.7380	2.80	20.33	23.13	46.00	-22.87	AVG	
11		7.2700	13.30	19.95	33.25	60.00	-26.75	QP	
12		7.2700	2.93	19.95	22.88	50.00	-27.12	AVG	

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

File :MH-2018-60092

Page: 1

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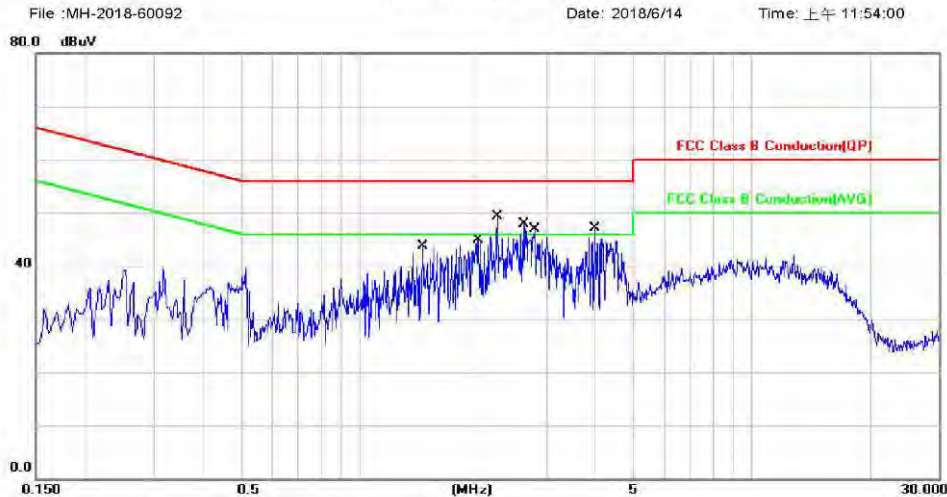
Config_4_L

Site : Conduction Room
Limit: FCC Class B Conduction(QP)
Mode: Config_4
Note:

Phase: L1
Power: AC 120V/60Hz

Temperature: 25 °C
Humidity: 65 %

Conducted Emission



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		1.4580	14.28	20.17	34.45	56.00	-21.55	QP	
2		1.4580	3.60	20.17	23.77	46.00	-22.23	AVG	
3		2.0180	17.30	20.55	37.85	56.00	-18.15	QP	
4		2.0180	6.80	20.55	27.35	46.00	-18.65	AVG	
5		2.2500	17.80	20.48	38.28	56.00	-17.72	QP	
6		2.2500	9.30	20.48	29.78	46.00	-16.22	AVG	
7	*	2.6260	20.69	20.38	41.07	56.00	-14.93	QP	
8		2.6260	8.23	20.38	28.61	46.00	-17.39	AVG	
9		2.8060	19.89	20.33	40.22	56.00	-15.78	QP	
10		2.8060	6.49	20.33	26.82	46.00	-19.18	AVG	
11		3.9940	18.85	19.98	38.83	56.00	-17.17	QP	
12		3.9940	5.60	19.98	25.58	46.00	-20.42	AVG	

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

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Config_4_N

Site : Conduction Room
Limit: FCC Class B Conduction(QP)
Mode: Config_4
Note:

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

Temperature: 25 °C
Humidity: 65 %

Conducted Emission



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
		MHz	Level	Factor	ment				
			dBuV	dB	dBuV	dBuV	dB		
1		1.4180	13.80	20.14	33.94	56.00	-22.06	QP	
2		1.4180	5.60	20.14	25.74	46.00	-20.26	AVG	
3		1.6940	13.65	20.34	33.99	56.00	-22.01	QP	
4		1.6940	6.00	20.34	26.34	46.00	-19.66	AVG	
5		1.9220	13.37	20.51	33.88	56.00	-22.12	QP	
6		1.9220	5.52	20.51	26.03	46.00	-19.97	AVG	
7		2.8100	16.34	20.33	36.67	56.00	-19.33	QP	
8 *		2.8100	6.82	20.33	27.15	46.00	-18.85	AVG	
9		4.2460	16.51	19.98	36.49	56.00	-19.51	QP	
10		4.2460	3.60	19.98	23.58	46.00	-22.42	AVG	
11		4.5460	14.80	19.98	34.78	56.00	-21.22	QP	
12		4.5460	3.30	19.98	23.28	46.00	-22.72	AVG	

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

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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	2017/12/12	2018/12/11
EMI Test Receiver	R&S	ESCI 3	101343	2018/1/31	2019/1/30
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	2018/3/31	2019/3/30
Pre Amplifier	EMC Instruments Corp.	EMC330	980179	2018/3/31	2019/3/30
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	119988	2018/2/22	2019/2/21
Wideband Radio Communication Tester	R&S	CMW 500	152303	2018/2/21	2019/2/20
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	2017/12/31	2018/12/30
Test S/W	Farad	EZ-EMC	Ver. SGS-03A2	N.C.R.	N.C.R.

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Measurement Uncertainty of Radiated Emission

Expanded uncertainty U_{lab} (K=2) of radiated emission is 4.09 dB. (30MHz ~ 1000MHz)

Theory values uncertainty U_{cispr 16-4-2:2011+A1:2014} (K=2) of radiated emission is 5.22 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	2018/5/15	2019/5/14
EMI Test Receiver	R&S	ESR 7	101459	2018/2/21	2019/2/20
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D673	2017/10/16	2018/10/15
Horn Antenna	Schwarzbeck	BBHA9170	BBHA9170-184	2017/12/12	2018/12/11
Pre Amplifier	EMC Instruments Corp.	EMC012645B	980216	2018/3/31	2019/3/30
Pre Amplifier	EMC Instruments Corp.	EMC184045B	980135	2017/10/27	2018/10/26
Coaxial Cable	JUNFLOW	MWX221-NMSNMS	J0778929	2018/4/23	2019/4/22
Coaxial Cable	Huber+Suhner	SUCCOFLEX 104PEA	30255/4PEA	2018/4/23	2019/4/22
Coaxial Cable	EMC Instruments	EMC104-SM-SM	140927	2018/4/23	2019/4/22
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	MY 2152/2	2018/6/5	2019/6/4
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	MY 2153/2	2018/6/5	2019/6/4
Universal Digital Radio Communication Tester	R&S	CMU 200	119988	2018/2/22	2019/2/21
Wideband Radio Communication Tester	R&S	CMW 500	152303	2018/2/21	2019/2/20
Radio Communication Analyzer	Anritsu	MT8820C	6201465315	2017/12/10	2018/12/9
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	2018/1/12	2019/1/11
Test S/W	Farad	EZ-EMC	Ver. SGS-03A2	N.C.R.	N.C.R.

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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 Ulab (k=2) of radiated emission measurement is 5.19 dB. (18-26GHz)

Expanded uncertainty Ulab (k=2) of radiated emission measurement is 5.14 dB. (26-40GHz)

Theory values uncertainty Ucispr 16-4-2:2011+A1:2014 (K=2) of radiated emission measurement is 5.18 dB.(1-6GHz)

Theory values uncertainty Ucispr 16-4-2:2011+A1:2014 (K=2) of radiated emission measurement is 5.48 dB.(6-18GHz)

Theory values uncertainty Ucispr 16-4-2:2011+A1:2014 (K=2) of radiated emission measurement is ---- dB.(18-26GHz)

Theory values uncertainty Ucispr 16-4-2:2011+A1:2014 (K=2) of radiated emission measurement is ---- dB.(26-40GHz)

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2.5.2 Operating Environment

Temperature : 20 degree C

Humidity : 52 %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

Model No.:P-01K

Config_1_H

Site: SGS 10m Chamber
 Limit: CISPR22 Class B 10M Radiation
 Mode: Config_1
 Note: LTE B05 Link

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

Temperature: 20 ℃
 Humidity: 52 %

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		30.9700	24.96	-12.49	12.47	30.00	-17.53	QP	
2		46.3700	23.20	-11.14	12.06	30.00	-17.94	QP	
3		162.8900	25.16	-11.35	13.81	30.00	-16.19	QP	
4		730.3400	23.15	-1.19	21.96	37.00	-15.04	QP	
5 *		958.2900	23.43	1.92	25.35	37.00	-11.65	QP	
6		978.6600	23.62	1.71	25.33	37.00	-11.67	QP	

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

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Config_1_V

Site: SGS 10m Chamber
Limit: CISPR22 Class B 10M Radiation
Mode: Config_1
Note: LTE B05 Link

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

Temperature: 20 °C
Humidity: 52 %

Radiated Emission

File: MH-2018-60092

Data: #19

Date: 2018/6/15

Time: 下午 07:42:27



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	30.0000	31.61	-12.40	19.21	30.00	-10.79	QP	
2		55.2200	24.37	-11.12	13.25	30.00	-16.75	QP	
3		149.3100	23.75	-10.78	12.97	30.00	-17.03	QP	
4		898.1500	22.91	1.06	23.97	37.00	-13.03	QP	
5		934.0400	24.08	1.38	25.46	37.00	-11.54	QP	
6		971.8700	22.95	1.58	24.53	37.00	-12.47	QP	

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

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Config_2_H

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

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

Temperature: 20 °C
Humidity: 52 %

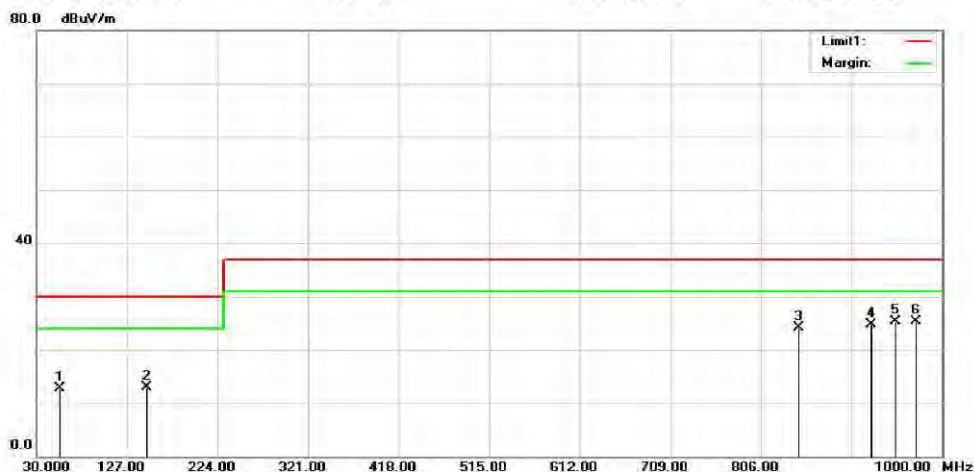
Radiated Emission

File: MH-2018-60092

Data: #22

Date: 2018/6/15

Time: 下午 09:12:26



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	24.34	-11.58	12.76	30.00	-17.24	QP	
2		148.3400	24.18	-11.30	12.88	30.00	-17.12	QP	
3		846.7400	23.70	0.46	24.16	37.00	-12.84	QP	
4		924.3400	23.39	1.38	24.77	37.00	-12.23	QP	
5		949.5600	23.28	1.99	25.27	37.00	-11.73	QP	
6 *		971.8700	23.60	1.78	25.38	37.00	-11.62	QP	

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

File: MH-2018-60092\Data: #22

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Config_2_V

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

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

Temperature: 20 °C
Humidity: 52 %

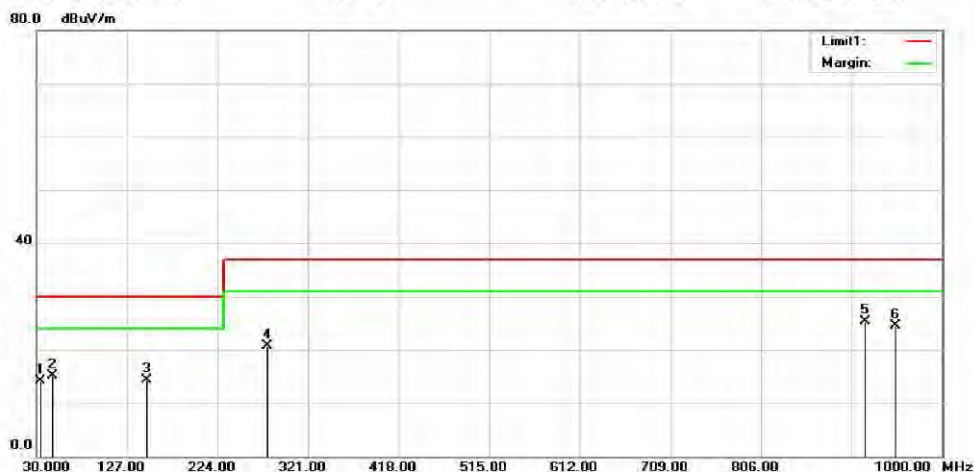
Radiated Emission

File : MH-2018-60092

Data : #21

Date: 2018/6/15

Time: 下午 09:12:24



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		33.8800	26.28	-12.09	14.19	30.00	-15.81	QP	
2		47.4600	25.85	-10.81	15.04	30.00	-14.96	QP	
3		148.3400	25.25	-10.91	14.34	30.00	-15.66	QP	
4		276.7800	31.68	-10.99	20.69	37.00	-16.31	QP	
5 *		917.5500	24.14	1.24	25.38	37.00	-11.62	QP	
6		949.5600	23.10	1.49	24.59	37.00	-12.41	QP	

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

File : MH-2018-60092\Data : #21

Page: 1

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Config_3_H

Site: SGS 10m Chamber
Limit: CISPR22 Class B 10M Radiation
Mode: Config_3
Note: REC mode (Back)

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

Temperature: 20 °C
Humidity: 52 %

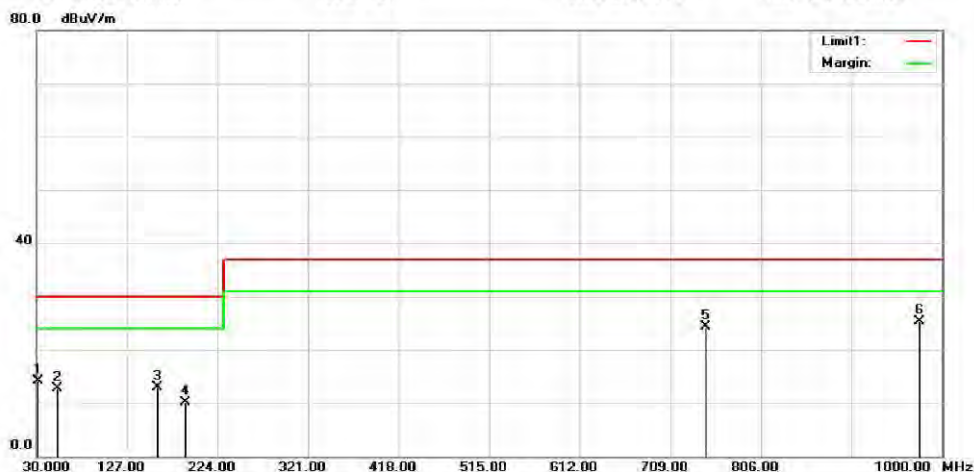
Radiated Emission

File: MH-2018-60092

Data: #24

Date: 2018/6/15

Time: 下午 06:36:25



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

File: MH-2018-60092\Data: #24

Page: 1

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Config_3_V

Site: SGS 10m Chamber
Limit: CISPR22 Class B 10M Radiation
Mode: Config_3
Note: REC mode (Back)

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

Temperature: 20 °C
Humidity: 52 %

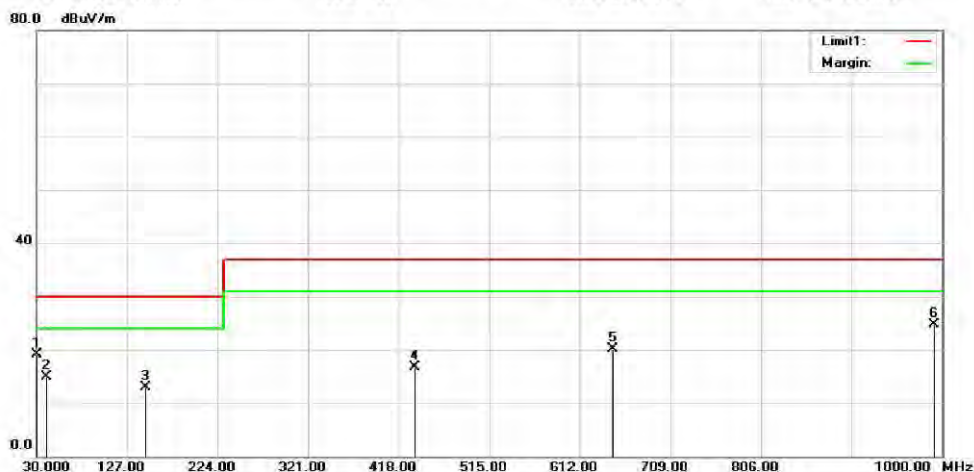
Radiated Emission

File: MH-2018-60092

Data: #23

Date: 2018/6/15

Time: 下午 06:36:23



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	dBuV	Factor	ment	dBuV/m	dB	Detector	Comment
1	*	30.0000	31.60	-12.40	19.20	30.00	-10.80	QP	
2		40.6700	26.33	-11.41	14.92	30.00	-15.08	QP	
3		147.3700	23.93	-11.04	12.89	30.00	-17.11	QP	
4		435.4600	23.08	-6.44	16.64	37.00	-20.36	QP	
5		646.9200	23.03	-2.93	20.10	37.00	-16.90	QP	
6		991.2700	23.06	1.66	24.72	37.00	-12.28	QP	

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

File: MH-2018-60092\Data: #23

Page: 1

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Config_4_H

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

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

Temperature: 20 °C
Humidity: 52 %

Radiated Emission

File: MH-2018-60092

Data: #26

Date: 2018/6/15

Time: 下午 05:58:51



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		54.2500	24.30	-11.49	12.81	30.00	-17.19	QP	
2		161.9200	24.36	-11.36	13.00	30.00	-17.00	QP	
3		214.2600	27.83	-14.47	13.36	30.00	-16.64	QP	
4		936.0200	23.48	1.66	25.14	37.00	-11.86	QP	
5	*	964.1100	23.53	1.85	25.38	37.00	-11.62	QP	
6		983.5100	23.61	1.66	25.27	37.00	-11.73	QP	

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

File: MH-2018-60092\Data: #26

Page: 1

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Config_4_V

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

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

Temperature: 20 °C
Humidity: 52 %

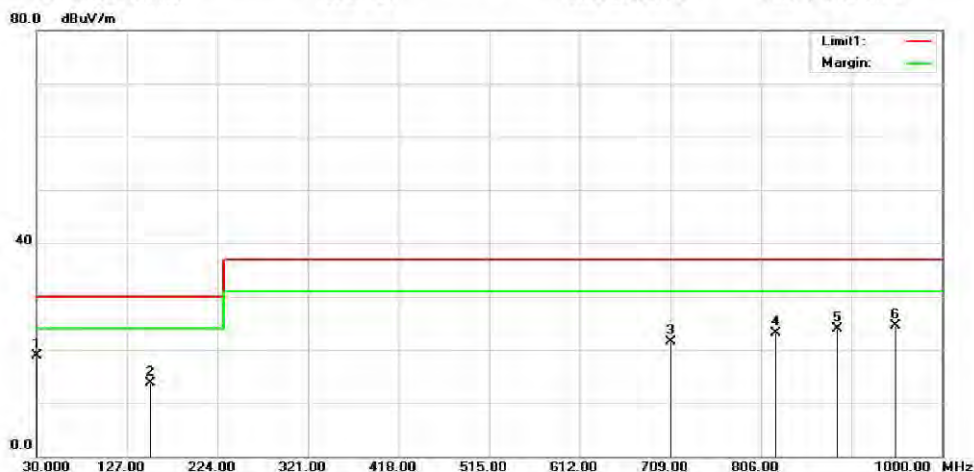
Radiated Emission

File: MH-2018-60092

Data: #25

Date: 2018/6/15

Time: 下午 05:58:49



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	30.9700	31.14	-12.32	18.82	30.00	-11.18	QP	
2		152.1000	24.37	-10.72	13.65	30.00	-16.35	QP	
3		709.9700	22.88	-1.44	21.44	37.00	-15.56	QP	
4		821.5200	22.94	0.17	23.11	37.00	-13.89	QP	
5		887.4800	23.03	0.83	23.86	37.00	-13.14	QP	
6		949.5600	23.07	1.49	24.56	37.00	-12.44	QP	

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

File: MH-2018-60092\Data: #25

Page: 1

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Above 1GHz

Model No.:P-01K

Config_1_H

Site: SGS 966 Chamber A

Polarization: **Horizontal**

Temperature: 23 °C

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

Power: AC 120V/60Hz

Humidity: 66 %

Mode: Config 1

Distance:

Note: LTE B05 Link

Radiated Emission

File :60092

Data :#4

Date: 2018/6/13

Time: 下午 06:32:39

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		2360.000	57.32	-13.41	43.91	74.00	-30.09	peak	
2		2904.000	56.31	-11.92	44.39	74.00	-29.61	peak	
3		3958.000	56.13	-8.49	47.64	74.00	-26.36	peak	
4		4689.000	56.35	-7.48	48.87	74.00	-25.13	peak	
5		5386.000	56.08	-6.33	49.75	74.00	-24.25	peak	
6 *		5981.000	54.99	-4.65	50.34	74.00	-23.66	peak	

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

File :60092\Data :#4

Page: 1

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Config_1_V

Site: SGS 966 Chamber A

Polarization: **Vertical**

Temperature: 23 °C

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

Power: AC 120V/60Hz

Humidity: 66 %

Mode: Config 1

Distance:

Note: LTE B05 Link

Radiated Emission

File :60092

Data :#3

Date: 2018/6/13

Time: 下午 06:31:38

100.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
1		2258.000	52.50	-14.16	38.34	74.00	-35.66	peak	
2		2802.000	52.64	-11.76	40.88	74.00	-33.12	peak	
3		3669.000	52.63	-9.82	42.81	74.00	-31.19	peak	
4		4621.000	52.18	-7.57	44.61	74.00	-29.39	peak	
5		5301.000	52.26	-6.50	45.76	74.00	-28.24	peak	
6 *		5522.000	51.88	-6.04	45.84	74.00	-28.16	peak	

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

File :60092\Data :#3

Page: 1

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Config_2_H

Site: SGS 966 Chamber A

Polarization: **Horizontal**

Temperature: 23 °C

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

Power: AC 120V/60Hz

Humidity: 66 %

Mode: Config 2

Distance:

Note: Data Write

Radiated Emission

File :60092

Data :#16

Date: 2018/6/13

Time: 下午 07:52:49

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		3958.000	57.45	-8.49	48.96	74.00	-25.04	peak	
2		4264.000	57.84	-7.99	49.85	74.00	-24.15	peak	
3		4587.000	58.19	-7.59	50.60	74.00	-23.40	peak	
4		4825.000	57.61	-7.31	50.30	74.00	-23.70	peak	
5		5454.000	58.44	-6.20	52.24	74.00	-21.76	peak	
6		5454.000	45.07	-6.20	38.87	54.00	-15.13	AVG	
7		5777.000	57.43	-5.26	52.17	74.00	-21.83	peak	
8 *		5777.000	44.67	-5.26	39.41	54.00	-14.59	AVG	

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

File :60092\Data :#16

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Config_2_V

Site: SGS 966 Chamber A

Polarization: **Vertical**

Temperature: 23 °C

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

Power: AC 120V/60Hz

Humidity: 66 %

Mode: Config 2

Distance:

Note: Data Write

Radiated Emission

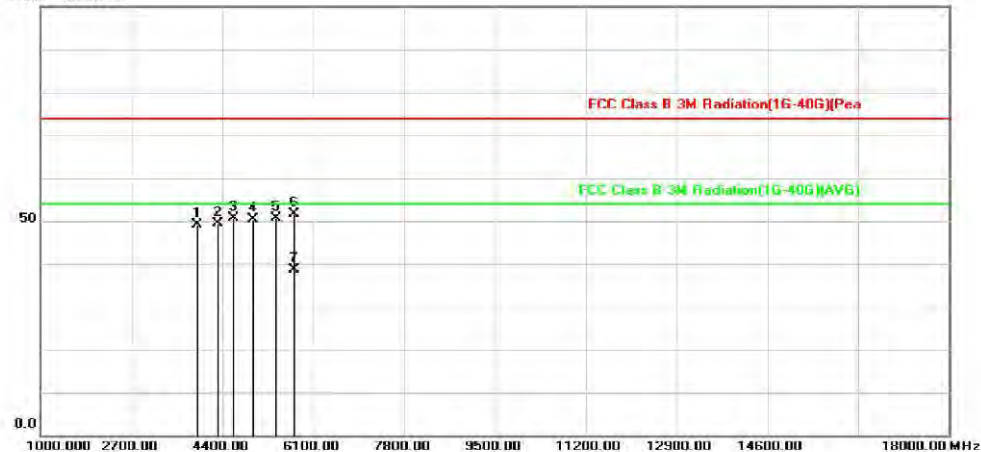
File :60092

Data :#15

Date: 2018/6/13

Time: 下午 07:51:20

100.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		3941.000	57.77	-8.57	49.20	74.00	-24.80	peak	
2		4315.000	57.30	-7.93	49.37	74.00	-24.63	peak	
3		4621.000	58.19	-7.57	50.62	74.00	-23.38	peak	
4		4978.000	57.55	-7.12	50.43	74.00	-23.57	peak	
5		5403.000	56.81	-6.30	50.51	74.00	-23.49	peak	
6		5743.000	56.98	-5.37	51.61	74.00	-22.39	peak	
7 *		5743.000	44.06	-5.37	38.69	54.00	-15.31	AVG	

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

File :60092\Data :#15

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Config_3_H

Site: SGS 966 Chamber A

Polarization: **Horizontal**

Temperature: 23 °C

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

Power: AC 120V/60Hz

Humidity: 66 %

Mode: Config 3

Distance:

Note: REC Mode(Back)

Radiated Emission

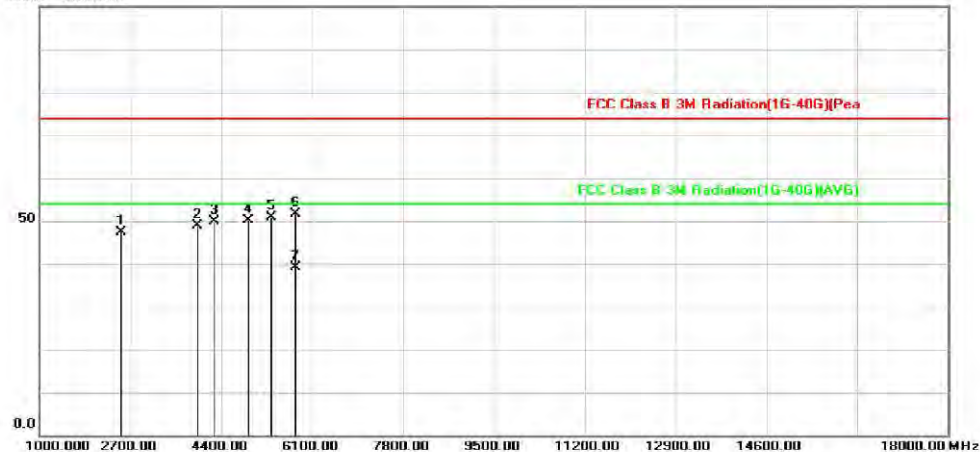
File :60092

Data :#8

Date: 2018/6/13

Time: 下午 07:09:11

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		2530.000	58.52	-11.25	47.27	74.00	-26.73	peak	
2		3958.000	57.42	-8.49	48.93	74.00	-25.07	peak	
3		4264.000	57.76	-7.99	49.77	74.00	-24.23	peak	
4		4910.000	57.31	-7.20	50.11	74.00	-23.89	peak	
5		5335.000	57.30	-6.43	50.87	74.00	-23.13	peak	
6		5794.000	56.74	-5.22	51.52	74.00	-22.48	peak	
7 *		5794.000	44.29	-5.22	39.07	54.00	-14.93	AVG	

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

File :60092\Data :#8

Page: 1

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Config_3_V

Site: SGS 966 Chamber A

Polarization: **Vertical**

Temperature: 23 °C

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

Power: AC 120V/60Hz

Humidity: 66 %

Mode: Config 3

Distance:

Note: REC Mode(Back)

Radiated Emission

File :60092

Data :#7

Date: 2018/6/13

Time: 下午 07:08:02

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		3550.000	57.56	-10.37	47.19	74.00	-26.81	peak	
2		3958.000	57.36	-8.49	48.87	74.00	-25.13	peak	
3		4230.000	57.41	-8.02	49.39	74.00	-24.61	peak	
4		4910.000	57.85	-7.20	50.65	74.00	-23.35	peak	
5		5420.000	57.59	-6.26	51.33	74.00	-22.67	peak	
6		5420.000	44.42	-6.26	38.16	54.00	-15.84	AVG	
7		5777.000	57.38	-5.26	52.12	74.00	-21.88	peak	
8	*	5777.000	44.40	-5.26	39.14	54.00	-14.86	AVG	

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

File :60092\Data :#7

Page: 1

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Config_4_H

Site: SGS 966 Chamber A

Polarization: **Horizontal**

Temperature: 23 °C

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

Power: AC 120V/60Hz

Humidity: 66 %

Mode: Config 4

Distance:

Note: Charging

Radiated Emission

File :60092

Data :#12

Date: 2018/6/13

Time: 下午 07:16:25

100.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		2564.000	57.89	-11.32	46.57	74.00	-27.43	peak	
2		4264.000	57.39	-7.99	49.40	74.00	-24.60	peak	
3		4638.000	57.53	-7.54	49.99	74.00	-24.01	peak	
4		4995.000	57.27	-7.10	50.17	74.00	-23.83	peak	
5		5420.000	57.71	-6.26	51.45	74.00	-22.55	peak	
6		5420.000	44.50	-6.26	38.24	54.00	-15.76	AVG	
7		5726.000	57.19	-5.41	51.78	74.00	-22.22	peak	
8	*	5726.000	44.54	-5.41	39.13	54.00	-14.87	AVG	

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

File :60092\Data :#12

Page: 1

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Config_4_V

Site: SGS 966 Chamber A

Polarization: **Vertical**

Temperature: 23 °C

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

Power: AC 120V/60Hz

Humidity: 66 %

Mode: Config 4

Distance:

Note: Charging

Radiated Emission

File :60092

Data :#11

Date: 2018/6/13

Time: 下午 07:15:20

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		3567.000	57.58	-10.29	47.29	74.00	-26.71	peak	
2		4145.000	57.75	-8.13	49.62	74.00	-24.38	peak	
3		4587.000	57.57	-7.59	49.98	74.00	-24.02	peak	
4		4910.000	57.57	-7.20	50.37	74.00	-23.63	peak	
5		5386.000	57.51	-6.33	51.18	74.00	-22.82	peak	
6		5386.000	44.48	-6.33	38.15	54.00	-15.85	AVG	
7		5760.000	57.62	-5.33	52.29	74.00	-21.71	peak	
8	*	5760.000	44.19	-5.33	38.86	54.00	-15.14	AVG	

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

File :60092\Data :#11

Page: 1

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18~30V
Config_1_H

Site: SGS 966 Chamber A

Polarization: **Horizontal**

Temperature: 21 °C

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

Power: AC 120V/60Hz

Humidity: 65 %

Mode: Config 1

Distance:

Note: LTE B05 Link

Radiated Emission

File :60092

Data :#34

Date: 2018/6/13

Time: 下午 08:12:48

100.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		18996.000	53.78	-1.60	52.18	83.50	-31.32	peak	
2		20772.000	53.03	-1.02	52.01	83.50	-31.49	peak	
3		21960.000	51.87	1.51	53.38	83.50	-30.12	peak	
4 *		24936.000	53.01	2.57	55.58	83.50	-27.92	peak	
5		27864.000	51.94	1.98	53.92	83.50	-29.58	peak	
6		29484.000	51.41	1.70	53.11	83.50	-30.39	peak	

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

File :60092\Data :#34

Page: 1

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Config 1_V

Site: SGS 966 Chamber A

Polarization: **Vertical**

Temperature: 21 °C

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

Power: AC 120V/60Hz

Humidity: 65 %

Mode: Config 1

Distance:

Note: LTE B05 Link

Radiated Emission

File :60092

Data :#33

Date: 2018/6/13

Time: 下午 08:10:22

100.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		18108.000	52.81	-1.59	51.22	83.50	-32.28	peak	
2		19668.000	53.01	-1.47	51.54	83.50	-31.96	peak	
3		21996.000	51.62	1.59	53.21	83.50	-30.29	peak	
4 *		24876.000	52.22	2.55	54.77	83.50	-28.73	peak	
5		26076.000	51.54	2.23	53.77	83.50	-29.73	peak	
6		27864.000	51.04	1.98	53.02	83.50	-30.48	peak	

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

File :60092\Data :#33

Page: 1

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Config_2_H

Site: SGS 966 Chamber A

Polarization: **Horizontal**

Temperature: 21 °C

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

Power: AC 120V/60Hz

Humidity: 65 %

Mode: Config 2

Distance:

Note: Data Write

Radiated Emission

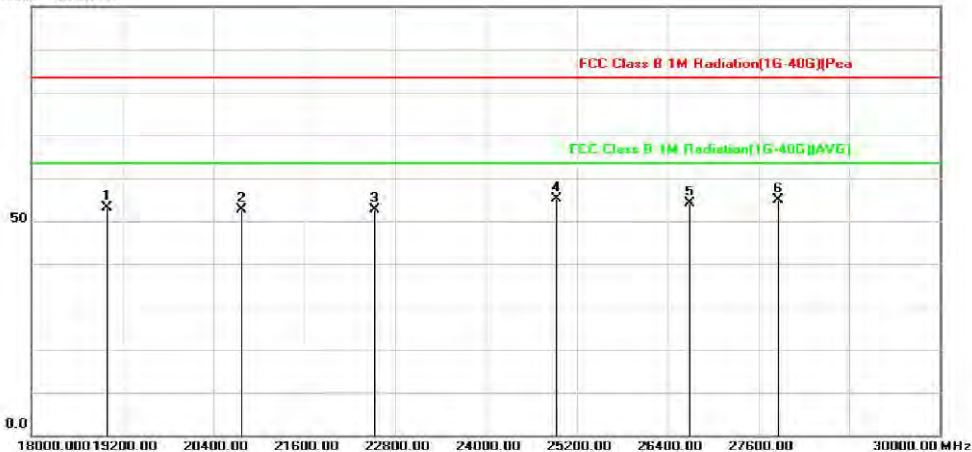
File :60092

Data :#36

Date: 2018/6/13

Time: 下午 08:22:39

100.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		18996.000	54.78	-1.60	53.18	83.50	-30.32	peak	
2		20772.000	53.53	-1.02	52.51	83.50	-30.99	peak	
3		22536.000	51.12	1.60	52.72	83.50	-30.78	peak	
4 *		24936.000	52.51	2.57	55.08	83.50	-28.42	peak	
5		26688.000	51.55	2.60	54.15	83.50	-29.35	peak	
6		27864.000	52.94	1.98	54.92	83.50	-28.58	peak	

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

File :60092\Data :#36

Page: 1

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Config 2_V

Site: SGS 966 Chamber A

Polarization: **Vertical**

Temperature: 21 °C

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

Power: AC 120V/60Hz

Humidity: 65 %

Mode: Config 2

Distance:

Note: Data Write

Radiated Emission

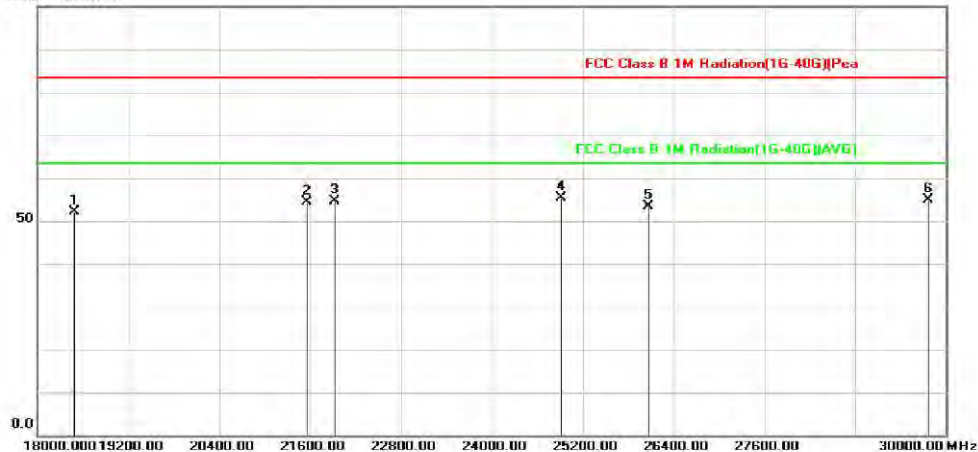
File :60092

Data :#35

Date: 2018/6/13

Time: 下午 08:20:13

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		18480.000	53.51	-1.50	52.01	83.50	-31.49	peak	
2		21552.000	53.95	0.53	54.48	83.50	-29.02	peak	
3		21924.000	53.19	1.42	54.61	83.50	-28.89	peak	
4 *		24924.000	52.90	2.57	55.47	83.50	-28.03	peak	
5		26076.000	51.04	2.23	53.27	83.50	-30.23	peak	
6		29772.000	53.01	1.98	54.99	83.50	-28.51	peak	

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

File :60092\Data :#35

Page: 1

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Config_3_H

Site: SGS 966 Chamber A

Polarization: **Horizontal**

Temperature: 21 °C

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

Power: AC 120V/60Hz

Humidity: 65 %

Mode: Config 3

Distance:

Note: REC Mode(Back)

Radiated Emission

File :60092

Data :#38

Date: 2018/6/13

Time: 下午 08:32:30

100.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		18996.000	53.78	-1.60	52.18	83.50	-31.32	peak	
2		21576.000	52.79	0.58	53.37	83.50	-30.13	peak	
3		22332.000	51.71	1.60	53.31	83.50	-30.19	peak	
4		24936.000	52.01	2.57	54.58	83.50	-28.92	peak	
5	*	27864.000	52.94	1.98	54.92	83.50	-28.58	peak	
6		29964.000	51.84	2.17	54.01	83.50	-29.49	peak	

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

File :60092\Data :#38

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SGS Taiwan Ltd.

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Config_3_V

Site: SGS 966 Chamber A

Polarization: **Vertical**

Temperature: 21 °C

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

Power: AC 120V/60Hz

Humidity: 65 %

Mode: Config 3

Distance:

Note: REC Mode(Back)

Radiated Emission

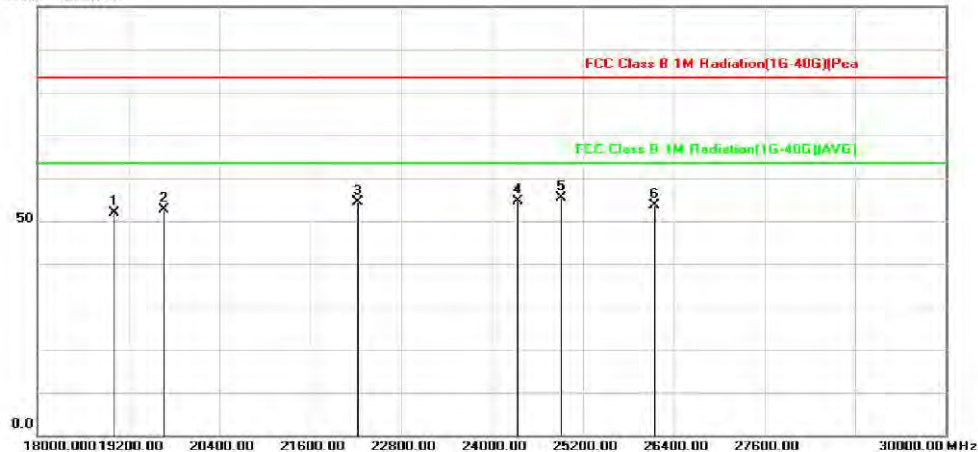
File :60092

Data :#37

Date: 2018/6/13

Time: 下午 08:30:54

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		19008.000	53.57	-1.60	51.97	83.50	-31.53	peak	
2		19668.000	54.01	-1.47	52.54	83.50	-30.96	peak	
3		22236.000	52.67	1.59	54.26	83.50	-29.24	peak	
4		24336.000	52.49	2.23	54.72	83.50	-28.78	peak	
5	*	24924.000	52.90	2.57	55.47	83.50	-28.03	peak	
6		26148.000	51.37	2.34	53.71	83.50	-29.79	peak	

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

File :60092\Data :#37

Page: 1

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Config_4_H

Site: SGS 966 Chamber A

Polarization: **Horizontal**

Temperature: 21 °C

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

Power: AC 120V/60Hz

Humidity: 65 %

Mode: Config 4

Distance:

Note: Charging

Radiated Emission

File :60092

Data :#40

Date: 2018/6/13

Time: 下午 08:41:45

100.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
1		18012.000	53.75	-1.60	52.15	83.50	-31.35	peak	
2		18996.000	54.28	-1.60	52.68	83.50	-30.82	peak	
3		21960.000	51.87	1.51	53.38	83.50	-30.12	peak	
4 *		24936.000	53.51	2.57	56.08	83.50	-27.42	peak	
5		27864.000	51.94	1.98	53.92	83.50	-29.58	peak	
6		29964.000	51.34	2.17	53.51	83.50	-29.99	peak	

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

File :60092\Data :#40

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Config_4_V

Site: SGS 966 Chamber A

Polarization: **Vertical**

Temperature: 21 °C

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

Power: AC 120V/60Hz

Humidity: 65 %

Mode: Config 4

Distance:

Note: Charging

Radiated Emission

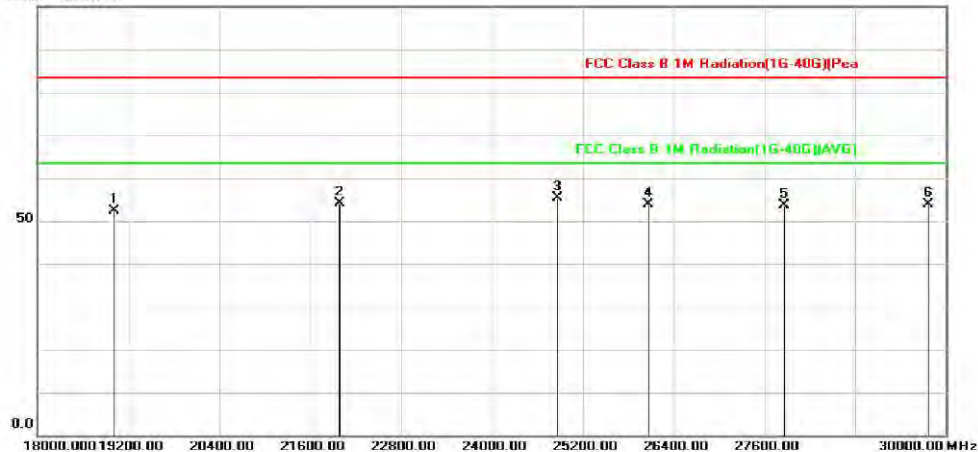
File :60092

Data :#39

Date: 2018/6/13

Time: 下午 08:40:19

100.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
1		19008.000	54.07	-1.60	52.47	83.50	-31.03	peak	
2		21996.000	52.62	1.59	54.21	83.50	-29.29	peak	
3 *		24876.000	52.72	2.55	55.27	83.50	-28.23	peak	
4		26076.000	51.54	2.23	53.77	83.50	-29.73	peak	
5		27864.000	51.54	1.98	53.52	83.50	-29.98	peak	
6		29772.000	52.01	1.98	53.99	83.50	-29.51	peak	

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

File :60092\Data :#39

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** End of Report **

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