



FCC CERTIFICATION REPORT

FCC Designation Number: TW1124

Test Report No.	: MH/2020/B0179
Applicant	: Sharp Corporation, Mobile Communication B.U.
Address	: 2-13-1, Hachihonmatsu-Iida, Higashi-hiroshima-shi, Hiroshima, 739-0192, Japan
Manufacturer	: Sharp Corporation
Address	: 1 Takumi-cho, Sakai-ku, Sakai City,Osaka 590-8522,Japan
Equipment Under	r Test (EUT) :
Product Name	: Smart phone
Standards	: FCC Part 15 Subpart B (Class B)
Date of Sample R	eceipt :Nov. 25, 2020
Date of Test	: Dec. 10 ~ 15, 2020
Date of Issue	: Dec. 25, 2020
Test Result :	PASS
In the configuration	tested, the FLIT complied with the standards specified above

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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Eddy Cheng Eddy Cheng (Asst. Supervisor) Approved By Date **Testing Laboratory**

Dec. 25, 2020

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FCC ID : APYHRO00292



Revision History						
Revision	Description Issue Date Remark					
00	Original.	Dec. 25, 2020	MH/2020/B0179			

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1. General Information

1.1 Applicant & Manufacturer Information

Applicant	: Sharp Corporation, Mobile Communication B.U.
Address of Applicant	: 2-13-1, Hachihonmatsu-Iida, Higashi-hiroshima-shi,
	Hiroshima, 739-0192, Japan
Manufacturer	: Sharp Corporation
Address of Manufacturer	: 1 Takumi-cho, Sakai-ku, Sakai City,Osaka 590-
	8522,Japan

1.2 General Description of EUT

Product Name : Smart phone

1.3 Details of EUT

Power Supply	: AC 100~240V, 50~60Hz
Highest internal frequency	: 5850 MHz
Battery	: 3.85V, 4570mAh, 17.28Wh
Worst case	: CE Worst case : Config 1~5
	Below 1GHz RE Worst case : Config 1~5
	Above 1GHz RE Worst case : Config 1~5

FCC ID : APYHRO00292	Memory	Main PCB	Ant PCB	Prox PCB	(Select which one is worst case)
1st Source	Vendor A	Vendor A	Vendor A	Vendor A	Worst case
2nd Source	Vendor B	Vendor B	Vendor B	Vendor B	V

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Accessories List: (Not bundled) AC Charger : Salom/XN-2QC25 Data Cable : Luxshare-ICT/L6KU2007-CS-H PHF : Ambibio / AB-HI02JS	Config 1	Config 2	Config 3	Config 4	Config 5
Applicable standard			FCC 15B		
Accessories	+ AC Adaptor	EUT +USB Cable +PHF	+USB Cable	+ AC Adaptor +USB Cable	EUT + AC Adaptor +USB Cable +PHF
Main function	Speech	Data Link	Camera	RX Receive	FM RX
Additional function		BT+WLA	N2.4G/5G+GN	SS+NFC	
Description					
radiated emission	GSM 850, 1900 WCDMA BV LTE B05, 12, 17, 38, 41	Data R/W	MP3/ ;REC mode (Front/Back) ;play REC	GSM 850 WCDMA BV LTE B05	FM 88.1/ FM 98.1/ FM 107.9
conducted emission (DC Power)	NA	NA	NA	NA	NA
conducted emission (AC Power)	GSM 850, 1900 WCDMA BV LTE B05, 12, 17, 38, 41	Data R/W	MP3/ ;REC mode (Front/Back) ;play REC	GSM 850 WCDMA BV LTE B05	FM 88.1/ FM 98.1/ FM 107.9

1.4 Description of Support Units

PRODUCT	MANUFACTURER	MODEL NO.	SERIAL NO.
SIM Card	R&S	CMW-Z05	8952530076180138474
Micro SD	Transcend	Micro SDHC(Class 10)	TS32GUSDU1
BT Speaker	Creative	MF8090	YFMF8090245R00855Y
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
Notebook (CE, HRE)	Lenovo	TP00109A	SL10N19265
Notebook (RE)	DELL	P56F	59WSJ72
Mouse	Logitech	M-U0026	1738HS05FGU8
Earphone	Ambibio	AB-HI02JS	N/A
Adapter	Salom	XN-2QC25	N/A
TMC/FM Generator	Levear	VP-8194D	0821170LA

Support Equipment Used in Tested Cable

Cable Type	Core	Length	Shielding/Non-shielding
USB cable	N/A	1m	Shielding
USB cable	N/A	1.5m	Shielding
Earphone cable	N/A	1.5m	Non-shielding

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1.5 Operation Procedure

Config 1

- 1. Install SIM Card & Micro SD Card & Earphone in EUT, connect to designated Adapter with USB Cable and turn it on.
- 2. Turn on BT and Link BT Speaker.
- 3. Turn on Wifi and NB Link to WiFi-AP, NB ping EUT IP Address.
- 4. Set up a GPS simulator and execute GPS Test.app.
- 5. Before and after the test, confirm the NFC function.
- 6. Set up the base station and set Link/Idle in according to config table.
- 7. Start the test.

Config 2

- 1. Install SIM Card & Micro SD Card & Earphone in EUT, connect to NB with USB Cable and turn it on.
- 2. Turn on BT and Link BT Speaker.
- 3. Turn on Wifi and NB Link to WiFi-AP, NB ping EUT IP Address.
- 4. Set up a GPS simulator and execute GPS Test.app.
- 5. Before and after the test, confirm the NFC function.
- NB executes data R/W with EUT according to config table.
- 7. Start the test.

Config 3

- 1. Install SIM Card & Micro SD Card & Earphone in EUT, connect to designated Adapter with USB Cable and turn it on.
- 2. Turn on BT and Link BT Speaker.
- 3. Turn on Wifi and NB Link to WiFi-AP, NB ping EUT IP Address.
- 4. Set up a GPS simulator and execute GPS Test.app.
- Before and after the test, confirm the NFC function.
- 6. Execute Camera(Front/Back) Record / Play REC / MP3 function according to config table.
- 7. Start the test.

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Config 4

- 1. Install SIM Card & Micro SD Card & Earphone in EUT, connect to designated Adapter with USB Cable and turn it on.
- 2. Turn on BT and Link BT Speaker.
- 3. Turn on Wifi and NB Link to WiFi-AP, NB ping EUT IP Address.
- 4. Set up a GPS simulator and execute GPS Test.app.
- 5. Before and after the test, confirm the NFC function.
- 6. Set up the base station and set Rx Receive in according to config table.
- 7. Start the test.

Config 5

- 1. Install SIM Card & Micro SD Card & Earphone in EUT, connect to designated Adapter with USB Cable and turn it on.
- 2. Turn on BT and Link BT Speaker.
- 3. Turn on Wifi and NB Link to WiFi-AP, NB ping EUT IP Address.
- 4. Set up a GPS simulator and execute GPS Test.app.
- 5. Before and after the test, confirm the NFC function.
- 6. Execute FM function according to config table. (FM 88.1 /FM 98.1 /FM107.9)
- 7. Start the test.

1.6 Modification List

No modification was made by SGS Taiwan Electromagnetic Compatibility 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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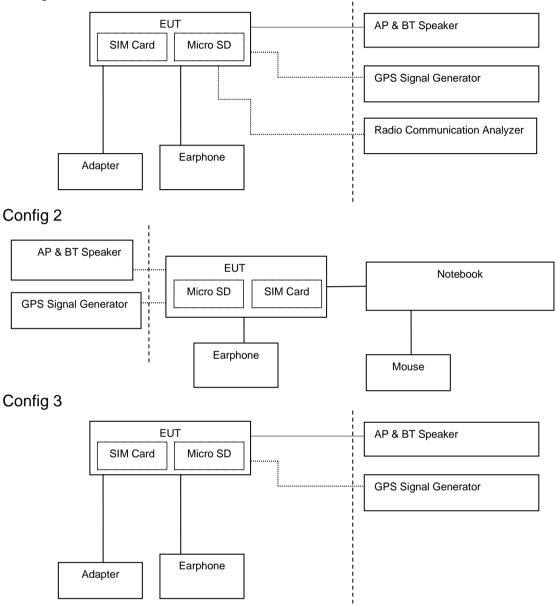
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1.8 Test Set-Up Configuration

Config 1 & 4



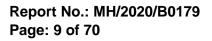
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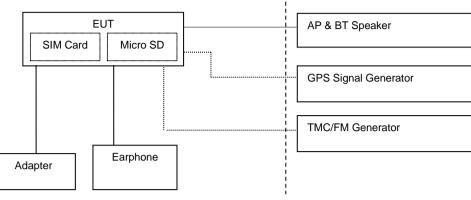
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Config 5



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 3/10m 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 frequency and amplitude of the worse emissions 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

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1.11 Decision Rules of Results

Reported measurement data comply with FCC Part 15 Subpart B Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

1.12 Summary of Results

Standard	Test Type	Result
ECC Dort 15 Subport P (Close P)	Conducted Emission	PASS
FCC Part 15 Subpart B (Class B)	Radiated Emission	PASS

1.13 Reporting Statements of Conformity

The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

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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 used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 - 108	1000
500 - 1000	2000
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

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.

2.3.2 Limits of Radiated Emissions

FCC Part 15 Subpart B Limit:

Detector Function : Quasi – Peak

FREQUENCY	Class A (at 10 m)	Class B (at 3 m)
(MHz)	dBuV/m	dBuV/m
30~88	39	40
88~216	43.5	43.5
216~960	46.4	46
960~1000	49.5	54

Detector Function : Peak, Average

FREQUENCY	Class A (dBu	uV/m) (at 3 m)	Class B (dBu	ıV/m) (at 3 m)		
(MHz)	Peak	Average	Peak	Average		
Above 1000	80	60	74	54		

CISPR 22 Limit:

Detector Function : Quasi – Peak

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

Note: 1. The lower limit shall apply at the transition frequency.

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

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2.4.Test of Conducted Emission

2.4.1 Test Equipments

SGS (Conducted_Emissio	n HWAYA Conduct	ed Room No.B_	EMC	
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration	Calibration
	Manalaotaroi			Date	Due
EMI Test Receiver	R&S	ESCI 7	100924	2020/10/28	2021/10/27
Coaxial Cables	EMC Instruments	EMC5D-BM-BM-	1401004	2020/5/25	2021/5/24
Coaxial Cables	Corp.	3000	1401004	2020/5/25	2021/3/24
Pulse Limiter	R&S	ESH3Z2	102099	2020/6/16	2021/6/15
LISN	TESEQ	NNB 51	36061	2020/2/27	2021/2/26
LISN	TESEQ	NNB 51	36062	2020/4/17	2021/4/16
Communication Tester	R&S	CMU200	114273	2020/5/31	2021/5/30
Communication Tester	R&S	CMW500	152303	2020/2/24	2021/2/23
Communication Tester	Anritsu	MT8820C	6201465315	N.C.R.	N.C.R.
Test Software	Farad	EZ-EMC	Ver. SGS- 03A2-5	N.C.R.	N.C.R.

Testing Site : No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan

Measurement Uncertainty of Conducted Emission

Expanded uncertainty Ulab (k=2) of Conducted Emission is 2.28 dB.

Expanded uncertainty CISPR 16-4-2:2011+A1:2014+A2:2018 (k=2) of Conducted Emission measurement is 3.44 dB.

2.4.2 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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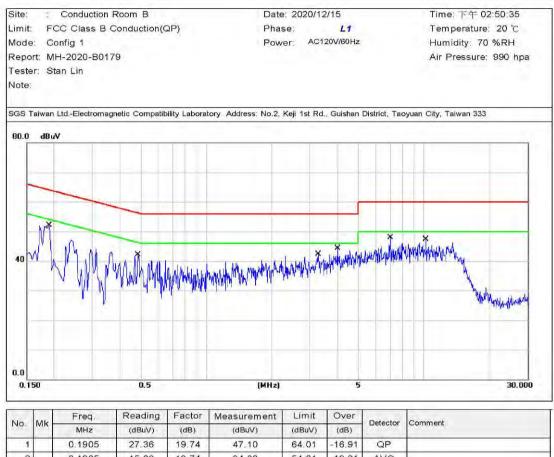
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2.4.3 Measurement Data:

Config_1_L



		MHZ	(aenv)	(GB)	(aBuv)	(aBUV)	(dB)		
1		0.1905	27.36	19.74	47.10	64.01	-16.91	QP	
2		0.1905	15.06	19.74	34.80	54.01	-19.21	AVG	
3		0.4875	17.18	20.30	37.48	56.21	-18.73	QP	
4		0.4875	8.40	20.30	28.70	46.21	-17.51	AVG	
5		3.2910	13.66	20.47	34.13	56.00	-21.87	QP	
6		3.2910	5.13	20.47	25.60	46.00	-20.40	AVG	
7		4.0065	18.39	20.31	38.70	56.00	-17.30	QP	
8	*	4.0065	8.89	20.31	29.20	46.00	-16.80	AVG	
9		7.0620	17.11	20.07	37.18	60.00	-22.82	QP	
10	-	7.0620	8.40	20.07	28.47	50.00	-21.53	AVG	
11	2.1	10.2390	17.27	20.04	37.31	60.00	-22.69	QP	
12		10.2390	7.78	20.04	27.82	50.00	-22.18	AVG	

*:Maximum data x:Over limit Lover margin

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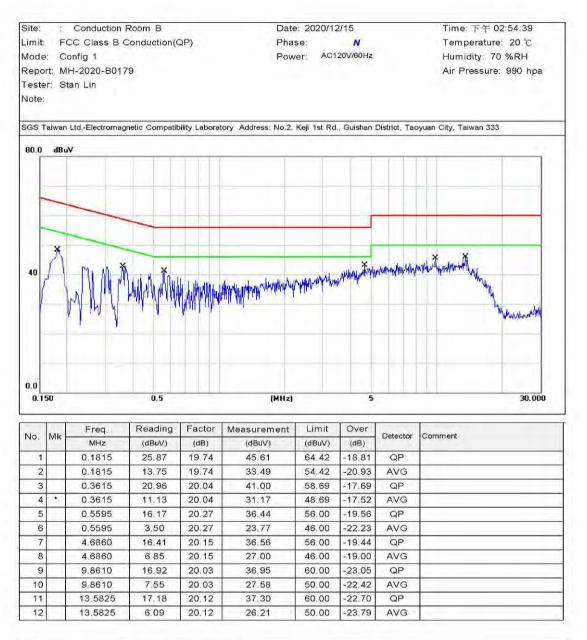
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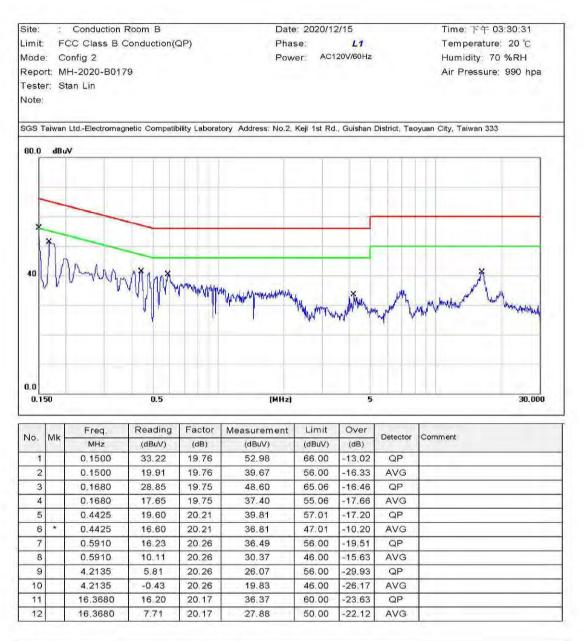
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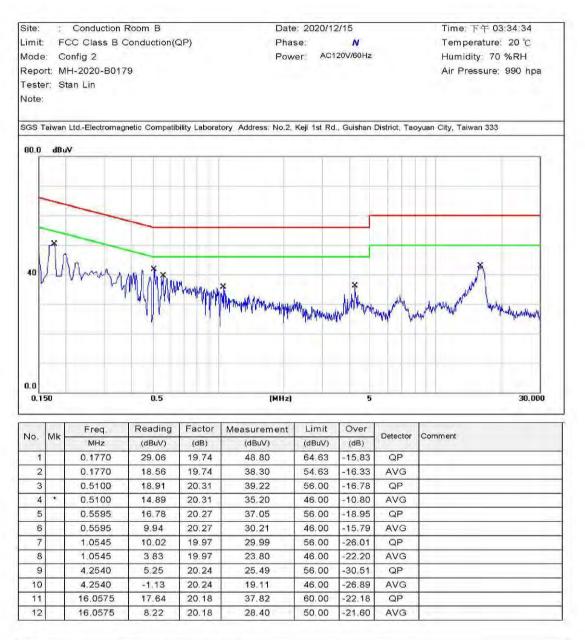
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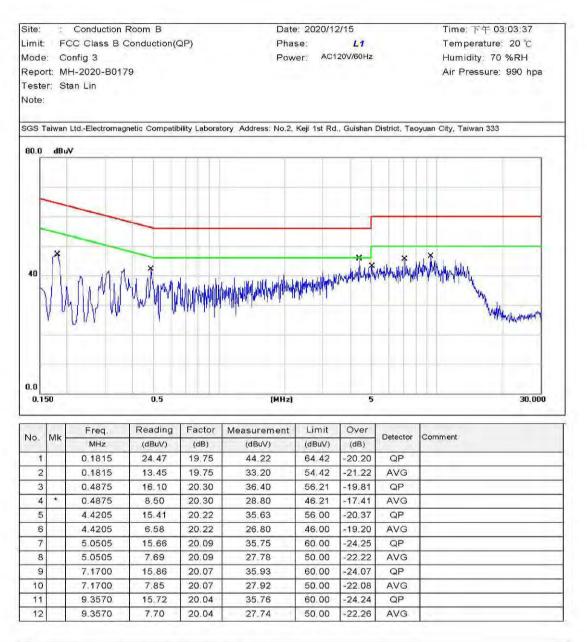
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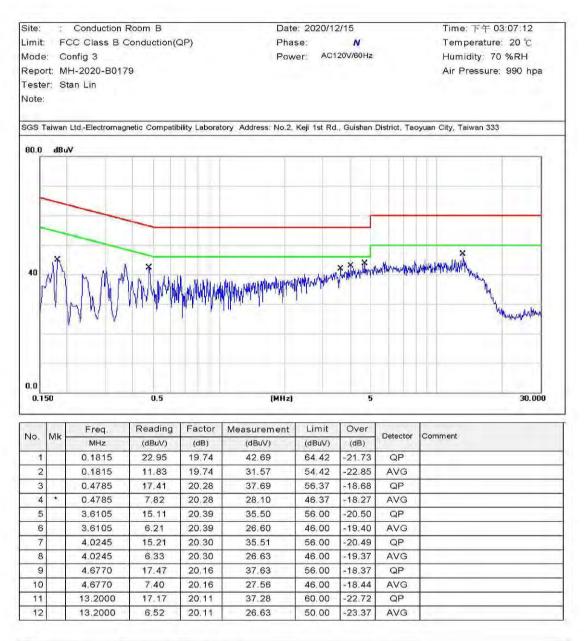
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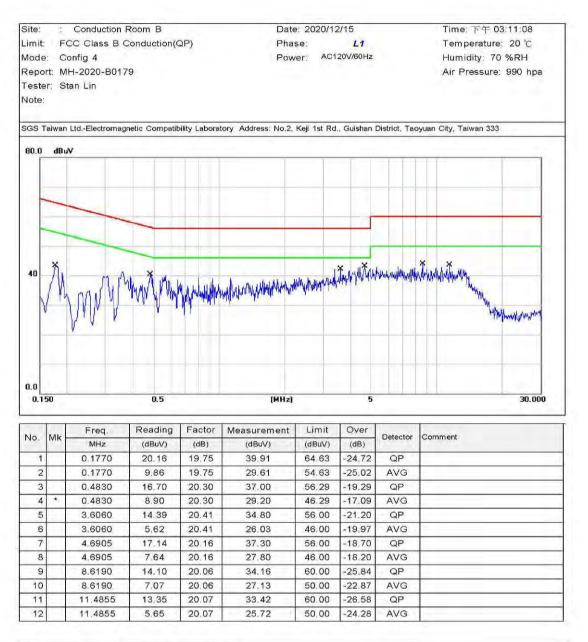
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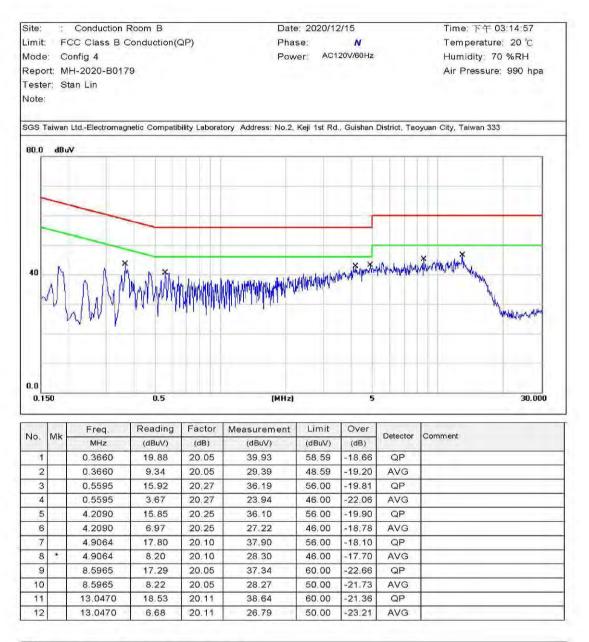
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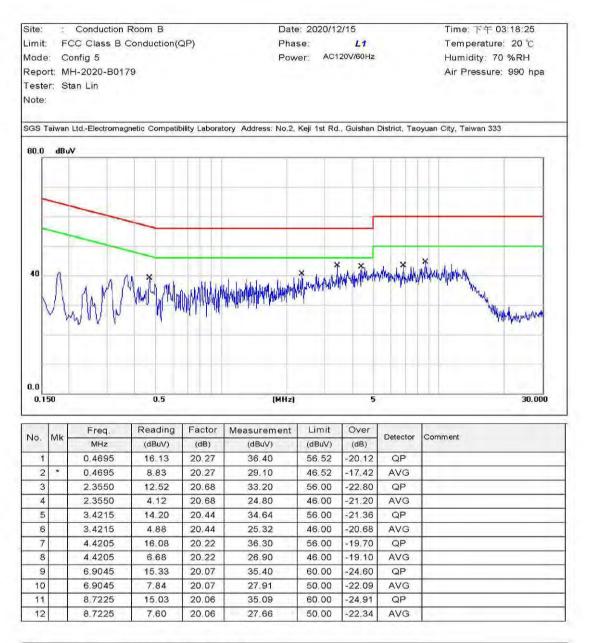
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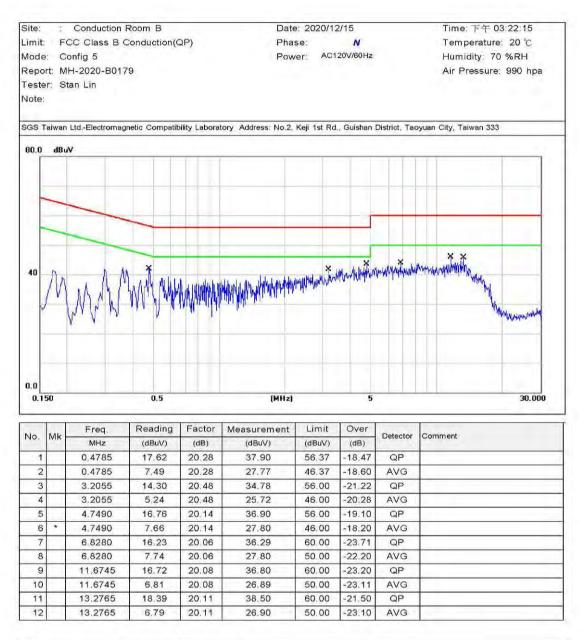
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2.5 Test of Radiated Emission

2.5.1 Test Equipments

Below 1GHz

	SGS Radiated_Be	elow_1GHz HWAYA 10	m_EMC		
EQUIPMENT TYPE	Manufacturer	Model Number	Serial	Calibration	Calibration
EQUIPMENT TFE	Manufacturer		Number	Date	Due
EMI Test Receiver	R&S	ESCI 7	100950	2020/11/30	2021/11/29
EMI Test Receiver	R&S	ESCI 3	101343	2020/2/17	2021/2/16
Broadband Antenna	SCHWAZBECK	VULB9168	9168-628	2020/9/8	2021/9/7
Broadband Antenna	SCHWAZBECK	VULB9168	9168-629	2020/9/14	2021/9/13
Pre Amplifier	EMC Instruments Corp.	EMC330	980178	2020/3/31	2021/3/30
Pre Amplifier	EMC Instruments Corp.	EMC330	980179	2020/3/31	2021/3/30
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150917	2020/9/18	2021/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150919	2020/9/18	2021/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150820	2020/9/18	2021/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150918	2020/9/18	2021/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150821	2020/9/18	2021/9/17
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150822	2020/9/18	2021/9/17
Universal Digital Radio Communication Tester	R&S	CMU 200	114273	2020/5/31	2021/5/30
Wideband Radio Communication Tester	R&S	CMW 500	152303	2020/2/24	2021/2/23
Radio Communication Analyzer	Anritsu	MT8820C	6201465315	N.C.R.	N.C.R.
Controller	MF	MF7802	N/A	N.C.R.	N.C.R.
Controller	MF	MF7802	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	SGS	10M Chamber	10M SAC	2019/12/31	2020/12/30
Test S/W	Farad	EZ-EMC	Ver. SGS 10m-03A2-3	N.C.R.	N.C.R.

Testing Site : No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan

Measurement Uncertainty of Radiated Emission

Expanded uncertainty Ulab (k=2) of Radiated Emission is 4.43 dB.(30MHz-1000MHz)

Expanded uncertainty CISPR 16-4-2:2011+A1:2014+A2:2018 (k=2) of Radiated Emission measurement is 5.22 dB.(30MHz-1000MHz)

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Above 1GHz

	SGS Radiated_A	bove_1GHz HWAYA	966A_EMC		
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
Spectrum Analyzer	Agilent	E4446A	MY48250064	2020/4/6	2021/4/5
EMI Test Receiver	R&S	ESR 7	101459	2020/2/24	2021/2/23
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D285	2020/4/29	2021/4/28
Horn Antenna	Schwarzbeck	BBHA9170	BBHA9170-184	2019/12/25	2020/12/24
Pre Amplifier	EMC Instruments Corp.	EMC012645B	980216	2020/4/25	2021/4/24
Pre Amplifier	EMC Instruments Corp.	EMC184045B	980135	2020/10/27	2021/10/26
Coaxial Cable	JUNFLOW	MWX221-NMSNMS	J0778929	2020/4/23	2021/4/22
Coaxial Cable	Huber+Suhner	SUCCOFLEX 104PEA	30255/4PEA	2020/4/23	2021/4/22
Coaxial Cable	EMC Instruments	EMC104-SM-SM	140927	2020/4/23	2021/4/22
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	520415/2	2020/6/5	2021/6/4
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	MY 2153/2	2020/6/5	2021/6/4
Universal Digital Radio Communication Tester	R&S	CMU 200	114273	2020/5/31	2021/5/30
Wideband Radio Communication Tester	R&S	CMW 500	152303	2020/2/24	2021/2/23
Radio Communication Analyzer	Anritsu	MT8820C	6201465315	N.C.R.	N.C.R.
Controller	MF	MF7802	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	2020/1/12	2021/1/11
Test S/W	Farad	EZ-EMC	Ver. SGS-03A2- 3	N.C.R.	N.C.R.

Testing Site : No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan

Measurement Uncertainty of Radiated Emission

Expanded uncertainty Ulab (k=2) of Radiated Emission measurement is 4.90 dB.(1-6GHz)

Expanded uncertainty Ulab (k=2) of Radiated Emission measurement is 4.93 dB.(6-18GHz)

Expanded uncertainty Ulab (k=2) of Radiated Emission measurement is 4.72 dB.(18-26GHz)

Expanded uncertainty Ulab (k=2) of Radiated Emission measurement is 4.65 dB.(26-40GHz)

Expanded uncertainty CISPR 16-4-2:2011+A1:2014+A2:2018 (k=2) of Radiated Emission measurement is 5.18 dB.(1-6GHz)

Expanded uncertainty CISPR 16-4-2:2011+A1:2014+A2:2018 (k=2) of Radiated Emission measurement is 5.48 dB.(6-18GHz)

Expanded uncertainty CISPR 16-4-2:2011+A1:2014+A2:2018 (k=2) of Radiated Emission measurement is --- dB.(18-26GHz)

Expanded uncertainty CISPR 16-4-2:2011+A1:2014+A2:2018 (k=2) of Radiated Emission measurement is --- dB.(26-40GHz)

2.5.2 Measurement Level Calculation

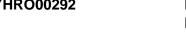
Correction Factor = Antenna Factor + Cable loss- Amplifier Gain Measurement Level = Reading Level + Correction Factor Over (Margin) = Measurement Level – Limit

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2.5.3 Measurement Data

Below 1GHz

Config_1_H

Site: SGS 10m Chamber Date: 2020/12/13 Time: 上午 09:										09:47	1:30	5 =	
imit:	C	ISPR22 Class	s B 10m Rad	diation	Pola	arization:	T	Temperature: 22 °C					
Mode	: 0	onfig 1			Pov	ver: AC12	20V/60Hz		H	umidity: 6	57 %F	RH	
Repor	rt: F	ile :MH-2020-	-B0179		Dist	tance: 10r	n		Ai	r Pressur	e: 99	0 hp	ja
Feste Note:		loore Cheng											
GS T	aiwar	LtdElectromag	netic Compatib	ility Labora	tory Address: No.2,	Keji 1st Rd.	, Guishan	District, Ta	aoyuan City	r, Taiwan 33	33		
00.0	dBu	N/m	_				_		-	_	_		_
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0.0	5	Section 1						-			- 1		
30.0	000	127.00	224.00 3	21.00	418.00 515.0	30 612	.00	709.00	806.00		100	0.00	MI
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	Detector	Com	ment	
140.	WIN	MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Delector	Contin	ansat.	
1		757.5000	23.63	1.20	24.83	37.00	-12.17			QP			
2	1.1	816,6700	24.17	1.17	25.34	37.00	-11.66		1	QP			

*:Maximum data x:Over limit Lover margin

24.09

23.12

23.11

22.84

1.72

2.52

2.83

2.92

25.81

25.64

25.94

25.76

37.00

37.00

37.00

37.00

-11.19

-11.36

-11.06

-11.24

400

56

Page: 1

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880.6900

941,8000

962,1700

991.2700

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Config_1_V

Site:	S	SGS 10m Chamber Date: 2020/12/13 Time: 上午 09:47:29								ς				
imit:	C	ISPR22 Clas	s B 10m Ra	diation	Pola	Polarization: Vertical					Temperature: 22 °C			
lode	: C	Config 1	Pov	Power: AC120V/60Hz Humidity: 67										
Repo	rt: F	ile :MH-2020	-B0179	Dist	tance: 10r	n		Ai	r Pressur	e: 990 hp	ba			
este	r: N	loore Cheng												
lote:														
÷.														
GS T	aiwar	n LtdElectromag	gnetic Compatit	ility Labora	tory Address: No.2,	Keji 1st Rd.	Guishan	District, T	aoyuan City	, Taiwan 3	33			
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-		Free	Deadier	Faster	1.0.0	Limit	Ouro-	Hoight	Degra		F			
No.	Mk	Freq. MHz	Reading (dBuV)	Factor	Measurement (dBuV/m)	Limit (dBuV/m)	Over (dB)	(cm)	Degree (deg.)	Detector	Comment			
1	-	761.3800	23.11	(dB/m) 1.73	(dBuV/m) 24,84	(dBuV/m) 37.00	-12.16	(cm)	(deg.)	QP	4	_		
2	-	809.8800	23.11	1.73	24.84	37.00	-12.16			QP				
2	-	847.7100	23.32	2.19	25.14	37.00	-11.69			QP				
4	-	896.2100	23.12	2.13	25.74	37.00	-11.26			QP	-			
4		943.7400	22.90	2.23	25.61	37.00	-11.39	-	-	QP				
5		040.7400	22.00	4.1.1	20.01	07.00	11.00			-				

*:Maximum data x:Over limit Lover margin

23.04

2.90

25.94

* 6

975.7500

Page: 1

37.00

-11.06

100

4

QP

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Config_2_H

Site:	S	GS 10m Chai	mber		Dat	e: 2020/12	/13		Ti	me: 上午	10:05:09	3		
imit:	C	ISPR22 Class	B 10m Ra	diation	Pola	arization:	Hori	zontal	Τe	emperatu	re: 22 °C	2		
lode:	C	onfig 2			Pov	ver: AC12	20V/60Hz		Hu	Humidity: 67 %RH				
Report	: Fi	le :MH-2020-	B0179		Dist	ance: 10r	n		Ai	r Pressur	ssure: 990 hpa			
ester:	M	oore Cheng												
lote:														
rie -														
GGS Tai	wan	LtdElectromag	netic Compatit	pility Labora	tory Address: No.2,	Keji 1st Rd.	Guishan	District, Tr	aoyuan City	r, Taiwan 33	13			
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Ť	Ĩ	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree					
No. N	٨k -	MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Commer	nt		
1		209.4500	35.73	-14.19	21.54	30.00	-8.46			QP				
-	-	239,5200	41.11	-12.16	28.95	37.00	-8.05	-		QP				
2		233.3200	41.11	-12.10	20.00	07.00	-0.00	and the second sec		Sec.				

*:Maximum data x:Over limit Lover margin

23.97

31.83

23.08

1.97

2.86

2.91

25.94

34 69

25.99

37.00

37.00

37.00

-11.06

-2.31

-11.01

4

5

6

894,2700

960.2300

992.2400

Page: 1

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358

136



Config_2_V

Site:	S	GS 10m Cha	mber		Dat	e: 2020/12	2/13		Th	me: 上午	10:05:08	-			
imit:	C	ISPR22 Class	B 10m Rad	diation	Pol	arization:	Verti	ical	Te	mperatu	re: 22 °C				
lode	: C	onfig 2			Pov	ver: AC1:	20V/60Hz		Hu	Humidity: 67 %RH					
₹epo	rt: F	ile :MH-2020-	B0179		Dis	tance: 10r	n		Air Pressure: 990 hpa						
este	r: M	loore Cheng													
lote:															
GS T	aiwan	LtdElectromag	netic Compatib	ility Labora	tory Address: No.2	Keji 1st Rd.	Guishan	District, Te	oyuan City	, Taiwan 33	33				
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						512									
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	Detector	Comment				
NO.	WIK	MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Delector	Comment				
1		45.5200	32.70	-10.81	21.89	30.00	-8.11			QP					
2	ł	480.0800	37.75	-4.90	32.85	37.00	-4.15		1	QP					
3		850.6200	22.66	2.19	24.85	37.00	-12.15		1	QP					
4		911.7300	23.28	2.50	25.78	37.00	-11.22		1	QP					
5	*	960.2300	31.61	2.64	34.25	37.00	-2.75	220	234	QP					

*:Maximum data x:Over limit Lover margin

23.02

2.90

25.92

Page: 1

37.00

-11.08

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Config_3_H

Site:	S	GS 10m Chai	mber		Date	e: 2020/12	2/13		Th	me: 上午	11:23:	21		
imit:	C	ISPR22 Class	B 10m Ra	diation	Pola	arization:	Hori	zontal	Te	mperatu	re: 22	°C		
Aode	: C	onfig 3			Pow	ver: AC1:	20V/60Hz		Hu	umidity: 6	67 %RI	H		
Repo	rt: F	ile :MH-2020-	B0179		Dist	ance: 10r	n		Ai	Air Pressure: 990 hpa				
este	r: M	loore Cheng												
Vote:														
GGS T	aiwar	1 LtdElectromag	netic Compatib	ility Labora	tory Address: No.2,	Keji 1st Rd.	, Guishan	District, Ta	aoyuan City	, Taiwan 33	33			
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0.0	m	127.00 2	24.00 3	21.00	418.00 515.0	0 612	00	709.00	806.00		1000	00	MP	
50.1		121.00			10.00 510.0		.00	103.00	000.00		1000	.00		
		Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	Detect				
No.	Mk	MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comm	ent		
1	-	801.1500	23.72	1.12	24.84	37.00	-12.16			QP				
2		885.5400	23.59	1.75	25.34	37.00	-11.66		1	QP	1.1			
3		907.8500	23.65	2.14	25.79	37.00	-11.21		1 _ 1	QP				
4	*	942.7700	23.43	2.51	25.94	37.00	-11.06	399	86	QP				
5		974.7800	22.96	2.85	25.81	37.00	-11.19			QP				

*:Maximum data x:Over limit Lover margin

22.38

3.00

25.38

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Page: 1

37.00

-11.62

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Config_3_V

Site:	SC	GS 10m Ch	amber		Dat	e: 2020/12	1/13		Ti	me: 上午	11:23:20	
_imit:	CI	SPR22 Cla	ss B 10m Ra	diation	Pola	arization:	Verti	ical	Te	emperatu	re: 22 °C	
Mode:	Co	onfig 3			Pov	ver: AC1:	20V/60Hz		H	umidity: 6	67 %RH	
Report	t: Fi	le :MH-2020	D-B0179		Dist	ance: 10r	n		Ai	r Pressur	e: 990 hj	ba
Tester Note:	: M	oore Cheng										í
SGS Ta	iwan	LtdElectroma	agnetic Compatit	ility Labora	tory Address: No.2,	Keji 1st Rd.	, Guishan	District, Ta	aoyuan City	r, Taiwan 33	33	
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	1											
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	Detector	Comment	
140.	WIN -	MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Delector	Contrient	
1		803.0900	23.74	1.70	25.44	37.00	-11.56			QP		
2		831.2200	23.51	2.06	25.57	37.00	-11.43			QP	1	-

*:Maximum data x:Over limit Lover margin

23.03

23 23

23.28

22.76

2.69

2.71

2.90

2.88

25.72

25.94

26.18

25.64

37.00

37.00

37.00

37.00

-11.28

-11.06

10.82

-11.36

100

141

3

4

5

6

934.0400

947,6200

975.7500

994,1800

Page: 1

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Config_4_H

Site:	3	SGS 10m Ch	amber	2.45		Da	ate: 2020/12	2/13		Th	me: 下午	12:17	7:07	-		
imit:	(CISPR22 Clas	ss B 10m	Rad	diation	Po	plarization:	Hori	zontal	Te	mperatu	re: 2	2°C			
Aode	: (Config 4				Po	ower: AC1	20V/60Hz		Hu	Humidity: 67 %RH					
Repor	rt: I	File :MH-2020	D-B0179			Di	stance: 10	m		Ai	r Pressur	e: 99	0 hp	a		
Feste	r: 1	Moore Cheng														
lote:																
GS T	aiwa	an LtdElectrome	ignetic Cor	npatib	ility Labora	ory Address: No.	2, Keji 1st Rd.	Guishan	District, Ta	aoyuan City	, Taiwan 33	3				
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50.0		121.00	22.4.00	3	21.00	10.00 51			105.00	000.00		104	0.00	Parts		
		Freq.	Read	ina	Factor	Measuremen	t Limit	Over	Height	Degree		1				
No.	Mk	MHz	(dBu		(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Com	ment			
1	-	767.2000	23.6		1.19	24.79	37.00	-12.21	(sect		QP		_	-		
2		881.6600	23.5		1.73	25.28	37.00	-11.72			QP	1				
3	-	903.0000	23.3		2.05	25.39	37.00	-11.61			QP	1				

*:Maximum data x:Over limit Lover margin

23.39

23.34

23.03

2.39

2.60

2.80

25.78

25 94

25.83

37.00

37.00

37.00

-11.22

-11.06

-11.17

400

119

4

5

6

921,4300

950 5300

967.0200

Page: 1

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Config_4_V

Site:	5	SGS 10m Ch	namber		Dat	e: 2020/12	2/13		Tir	ne:下午	12:17:06			
imit:	(CISPR22 Cla	iss B 10m Ra	diation	Pola	arization:	Verti	cal	Te	mperatu	re: 22 °C			
Aode:		Config 4			Pov	ver: AC1	20V/60Hz		Hu	Humidity: 67 %RH				
Repor	t: F	File :MH-202	0-B0179		Dist	tance: 10r	n		Air	Air Pressure: 990 hpa				
ester	r: N	Noore Cheng	3											
lote:														
GGS T	aiwa	n LtdElectrom	agnetic Compatit	oility Labora	tory Address: No.2,	Keji 1st Rd.	Guishan	District, Ta	aoyuan City	, Taiwan 33	13			
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		Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree					
No.	Mk	MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment	t		
1		773.0200		1.67	24.84	37.00	-12.16			QP	-	_		
2		801.1500		1.70	24.73	37.00	-12.27			QP	-			
3		898.1500		2.21	25.74	37.00	-11.26			QP				

*:Maximum data x:Over limit Lover margin

22.86

23.18

22.78

2.75

2.70

2.93

25.61

25.88

25.71

37.00

37.00

37.00

-11.39

-11,12

-11.29

100

125

Page: 1

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5

6

925.3100

949 5600

985,4500

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Config_5_H

Site:	S	GS 10m Cham	ber		Dat	e: 2020/12	/13		Ti	me: 下午	01:39:14			
imit:	C	ISPR22 Class	B 10m Rad	diation	Pola	arization:	Hori	zontal	Te	emperatu	re: 22 °C			
Aode:	C	onfig 5			Pov	ver: AC12	20V/60Hz		Hu	umidity: 6	67 %RH			
Report	t: F	ile :MH-2020-B	0179		Dist	ance: 10r	n		Ai	Air Pressure: 990 hpa				
ester	: M	loore Cheng												
lote:														
GGS Ta	iwan	LtdElectromagne	tic Compatib	ility Labora	tory Address: No.2,	Keji 1st Rd.	Guishan	District, Te	oyuan City	, Taiwan 33	33			
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əu.U	00	127.00 22	4.00 3.	21.00	910.00 910.0	JU 012.	.00	103.00	000.00		1000.00	mit		
1	1	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree		t.			
No.	Mk	MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment			
1		844,8000	24.35	1.32	25.67	37.00	-11.33	(0.1.7	1009.7	QP		-		
2		875.8400	24.00	1.70	25.71	37.00	-11.29			QP				
3	-	919.4900	23.02	2.35	25.37	37.00	-11.63			QP				
							11.00		1	1.944.1				

*:Maximum data x:Over limit Lover margin

22.93

22.92

2.79

2.91

966.0500

992.2400

5

6

Page: 1

37.00

37.00

-11.28

-11.17

25.72

25.83

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Config_5_V

Site:	5	SGS 10m Cha	mber		Dat	e: 2020/12	2/13		Ti	me:下午	01:39	9:13	
imit:	C	CISPR22 Clas	s B 10m Rad	diation	Pola	arization:	Verti	ical	Te	emperatu	re: 2	2°C	
lode:	C	Config 5			Pov	ver: AC1:	20V/60Hz		Humidity: 67 %RH				
Repor	t: F	ile :MH-2020	-B0179		Dist	tance: 10r	n		Ai	r Pressur	e: 99	0 hp	a
lester	: N	Noore Cheng											
lote:													
GGS Te	aiwa	n LtdElectromag	gnetic Compatib	ility Labora	tory Address: No.2,	Keji 1st Rd.	Guishan	District, Tr	aoyuan City	r, Taiwan 33	33		
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No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	Detector	Com	ment	
NO.	WK	MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Delector	Com	ment	
1	-	812.7900	23.58	1.76	25.34	37.00	-11.66	1		QP			
2		847.7100	23.38	2.19	25.57	37.00	-11.43		1	QP			
3		925.3100	23.16	2.75	25.91	37.00	-11.09			QP			

*:Maximum data x:Over limit Lover margin

23.31

22.94

22.76

2.68

2.81

2.91

25.99

25.75

25.67

37.00

37.00

37.00

936.9500

970.9000

996.1200

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Page: 1

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f (886-3) 327-7559
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QP

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QP

-11.01

-11.25

-11.33

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Above 1GHz

Config_1_H

Site:	S	3S 966 Cham	ber A	_	Da	te: 2020/12	2/10		Tir	Time: 下午 05:40:03				
imit:	FC	CC Class B 1	G-18G(Pea	ik)	Po	larization:	Hori	zontal	Te	Temperature: 21 °C				
Mode:		onfig 1	and the second second	1			20V/60Hz			midity 7				
Report	M	H-2020-B017	9		Dis	stance: 3m			Ai	Air Pressure: 990 hpa				
Fester:	Bo	oris Liao												
Note:	LT	E 805												
SGS Taiwa	n Ltd.	Electromagnetic Com	patibility Laborator	y Address: No.:	2, Keji 1st Rd., Guishan I	District, Taoyuan C	ity, Taiwan 3	33						
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- 1	T	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree		1			
No. N	Mk -	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment			
1	- 1	2802.000	55.63	-18.11	37.52	74.00	-36.48	(0)	(009.7	peak				
2	-	5522.000	53.73	-12.93	40.80	74.00	-33.20	-	-	peak				
3		9211.000	49.89	-1.83	48.06	74.00	-25.94	-	·	peak				
4	-	9211.000	36.37	-1.83	34.54	54.00	-19,46			AVG				
5		10452.000	51.40	-0.24	51.16	74.00	-22.84	-		peak				
6		10452.000	35.89	-0.24	35.65	54.00	-18,35		1	AVG	1			
		14430.000	47.10	3.93	51.03	74.00	-22.97			peak				
7				3.93	37.74	54.00	-16.26		-	AVG				
7 8		14430.000	33.81	3.93	51.14	5400	-10.20							
100		14430.000 16759.000	33.81 47.94	5.08	53.02	74.00	-20,98	100	199	peak				

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

Page: 1

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f (886-3) 327-7559
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imit: 1ode:		C Cla	ass B	1m -	18-400	2/00	101												
	0-			100 M	10 40.	эсте	ak)			Pola	arization	2	Hori	zontal		Ter	nperatur	e: 21 °C	
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No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Commenc
1		18286.000	49.43	-2.10	47.33	83.50	-36.17		1	peak	
2		19518.000	49.28	-1.72	47.56	83.50	-35.94			peak	
3	1	21014.000	48.91	-1.60	47.31	83.50	-36,19	1.1	·,	peak	
4		22136.000	48.37	0.73	49.10	83.50	-34.40			peak	
5		23280.000	46.46	1.99	48.45	83.50	-35.05			peak	1
6	*	24622.000	47.22	2.12	49.34	83.50	-34.16	100	326	peak	1

Page: 1

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Config_1_V

Site:	S	GS 966 Cham	iber A		Dat	e: 2020/12	/10	-	Tir	me:下午	05:27:27
imit:	F	CC Class B 1	G-18G(Pea	k)	Pol	arization:	Verti	ical	Те	emperatu	re: 21 °C
Aode	: C	onfig 1			Pov	ver: AC 1	20V/60Hz	2	Hu	midity:	75 %RH
Repo	rt: M	H-2020-B017	9		Dis	ance: 3m			Ai	Pressur	e: 990 hpa
Teste	r: B	oris Liao									
Vote:	L	TE 805									
SGS Taly	van Ltd.	-Electromagnetic Com	patibility Laboratory	Address; No.	2, Keji 1st Rd., Guishan D	strict, Taoyuan C	ity, Taiwan 3	33			
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No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	-	Degree	Detector	Comment
100	1000	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)		
1		2513.000	56.75	-18.15	38.60	74.00	-35.40			peak	
2		5233.000	54.28	-13.55	40.73	74.00	-33.27	-		peak	
3		7698.000	52.14	-5.31	46.83	74.00	-27.17			peak	1
4		7698.000	39.83	-5.31	34.52	54.00	-19.48			AVG	-
5		9670,000	48,73	-1.51	47.22	74.00	-26.78			peak	
6	_	9670.000	37.17	-1.51	35.66	54.00	-18.34	-		AVG	
7		14668.000	47.80	3.94	51.74	74.00	-22.26	-		peak	-
8		14668.000	33.80	3.94	37.74	54.00	-16.26	440	070	AVG	1
9		16980.000	47.60	5.27	52.87	74.00	-21.13	110	278	peak	
10	*	16980.000	33.98	5.27	39.25	54.00	-14.75	110	278	AVG	4.10.1

*:Maximum data x:Over limit ! over margin

Page: 1

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Site:	S	GS 966 CH	nam	ber A		10		Date	e: 2020/12	/11		Ti	me:上午	01:20:26
imit:	F	CC Class I	B 1n	n 18-40	DG(F	Peak)		Pola	arization:	Vert	ical	Τe	emperatu	re: 21 °C
Aode	C	onfig 1						Pow	ver: AC 1	20V/60Hz		Hu	umidity: 7	75 %RH
Repor	t: N	H-2020-B	0179	3				Dist	ance: 1m			Ai	r Pressur	e: 990 hpa
Feste	r: B	oris Liao												
Vote:	Ľ	TE B05												
SGS Talvi	ran Ltd	IElectromagnetic	Comp	atibility Lab	oratory	Address: No	2, Keji 1st Rd., Guis	han Di	strict, Taoyuan C	ity, Taiwan 3	33			
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No.	Mk	Freq.		Readi	ng	Factor	Measurem	ent	Limit	Over	Height	Degree	Detector	Comment
NU.	WIK	(MHz)		(dBu\	/)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1		19804.00	00	49,4	0	-1.95	47.45		83.50	-36.05			peak	
2		21982.00	00	47.6	7	0.80	48.47		83.50	-35.03	-		peak	1
3		23368.00	00	46.7	1	2.06	48.77		83.50	-34.73			peak	1

25150.000

31530.000

34236.000

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Page: 1

83.50

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-34.27

-36.13

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Config_2_H

Site:	S	3S 966 Cham	iber A		Dat	e: 2020/12	2/11		Tir	me:上午	00:35:44
imit:	F	CC Class B 1	G-18G(Pea	k)	Pola	arization:	Hori	zontal	Te	emperatu	re: 21 °C
Node	: C	onfig 2			Pov	ver: AC 1	20V/60Hz		Hu	midity:	75 %RH
Repo	rt: M	H-2020-B017	9		Dist	ance: 3m			Ai	r Pressur	e: 990 hpa
Teste	r: Bo	oris Liao									
Vote:	D	ata Read (SD	Card)								
		1.1.1.1									
SGS Taly	wan Ltd.	Electromagnetic Com	batibility Laboratory	Address: No.	2, Keji 1st Rd., Gulshan Di	strict, Taoyuan C	ity, Taiwan 3	33			
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No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	Detector	Comment
140.	IVIR -	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1		1306.000	59,65	-23.01	36.64	74.00	-37.36			peak	
2		2649.000	59.00	-18.30	40.70	74.00	-33.30			peak	
3		4179.000	58.00	-15.80	42.20	74.00	-31.80			peak	
4	2	6525.000	53.74	-8.17	45.57	74.00	-28.43		2	peak	().
5		6525.000	40.49	-8.17	32.32	54.00	-21,68			AVG	
6		10486.000	50,70	-0.10	50.60	74.00	-23.40	100	222	peak	
7	*	10486.000	37.09	-0.10	36.99	54.00	-17.01	100	222	AVG	
0		10758.000	50.29	-0.20	50.09	74.00	-23.91			peak	1
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*:Maximum data x:Over limit ! over margin

Page: 1

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Site:	S	GS 966 Chan	nber A	1.0	Date	e: 2020/12	/11		Ti	me:上午	01:10:52
imit:	F	CC Class B 1	m 18-40G(F	Peak)	Pola	arization:	Hori	zontal	Te	emperatu	re: 21 °C
Node:	C	config 2			Pow	ver: AC 1	20V/60Hz	1	H	umidity: 7	75 %RH
Repor	t: N	1H-2020-B017	9		Dist	ance: 1m			Ai	r Pressur	e: 990 hpa
Tester	E	oris Liao									
Vote:	C	oata Read (SD	Card)								
GS Taiwa	an Lto	IElectromagnetic Com	patibility Laboratory	Address; No.	2, Keji 1st Rd., Gulshan Dis	strict, Taoyuan C	ity, Taiwan 3	33			
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		Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree		[
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1		18286.000	48.93	-2.10	46.83	83.50	-36.67			peak	
2	-	19518.000	47.78	-1.72	46.06	83.50	-37.44	-		peak	1
3		22136.000	47.87	0.73	48.60	83.50	-34,90			peak	

25876.000

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Page: 1

-34.41

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Config_2_V

Site:	S	GS 9	66 Cham	ber A			Dat	e: 2020/12	2/11		Tir	me:上午	00:23:04
imit:	F	CC C	lass B 1	G-18G(F	Peak)	Pol	arization:	Verti	ical	Τe	emperatu	re: 21 °C
lode	: C	Config	2				Pov	ver: AC 1	20V/60Hz	1	Hu	umidity: 1	75 %RH
Repo	rt: N	AH-20	20-B017	9			Dis	tance: 3m			Ai	r Pressur	e: 990 hpa
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GS Taly	van Lto	dElectro	nagnetic Comp	patibility Labo	ratory	Address: No.	2, Keji 1st Rd., Guishan D	strict, Taoyuan C	ity, Taiwan 3	33			
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No.	Mk	-	req.	Readin	-	Factor	Measurement	Limit	Over	-	Degree	Detector	Comment
-			MHz)	(dBuV	· .	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	mank	-
1	-	-	25.000 86.000	63.28 59.55	-	-22.67	40.61 37.91	74.00	-33.39			peak	
2	-		81.000	58.23	-	-21.64	40.02	74.00	-35.09	-		peak	
3			27.000	55.73	-	-18.21	41.55	74.00	-33.98			peak peak	
5		-	93.000	54.29	-	-8.09	46.20	74.00	-27.80			peak	-
6	-		93.000	41.78	-	-8.09	33.69	54.00	-20:31			AVG	-
7		22	83.000	50.36	_	-0.78	49.58	74.00	-24.42	110	325	peak	
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*:Maximum data x:Over limit ! over margin

Page: 1

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Site:		SGS 966 Cham	iber A		Date	e: 2020/12	/11		Ti	me:上午	00:55:26
limit:	1	FCC Class B 1	m 18-40G(F	Peak)	Pola	arization:	Verti	ical	Te	emperatu	re: 21 °C
Mode	e (Config 2			Pow	ver: AC 1	20V/60Hz	0	H	umidity: 7	75 %RH
Repo	rt: I	MH-2020-B017	9		Dist	ance: 1m			Ai	r Pressur	e: 990 hpa
Teste	ri I	Boris Liao									
Vote:	I	Data Read (SD	Card)								
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		Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree		L
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1		18220.000	48.19	-2.10	46.09	83.50	-37.41	-		peak	+
2	-	21982.000	46.17	0.80	46.97	83.50	-36:53			peak	
3		25216.000	46,96	2.81	49.77	83.50	-33.73			peak	

47.57

45.48

44.68

25810.000

34236.000

36546.000

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5

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2.49

4.08

8.48

50.06

49.56

53.16

Page: 1

-33.44

-33.94

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100

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83.50

83.50

83.50

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peak

peak



Config_3_H

Site:	5	SGS 966 Cha	mber A		Dat	te: 2020/12	2/10		Ti	me:下午	10:51:48
imit:	F	CC Class B	1G-18G(Pea	k)	Pol	arization:	Hori	zontal	Te	emperatu	re: 21 °C
lode	: 0	Config 3			Po	wer: AC 1	20V/60Hz		H	midity:	75 %RH
epo	t: M	MH-2020-B01	79		Dis	tance: 3m			Ai	r Pressur	e: 990 hpa
este	r: E	Boris Liao									
lote:	F	REC Back									
GS Taly	ran Lt	dElectromagnetic Co	mpatibility Laboratory	Address; No.2	2, Keji 1st Rd., Gulshan D	istrict, Taoyuan C	ity, Taiwan 3	33			
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100	0.00	u 2/00.00	4400.00 D	100.00	7600.00 5500	.00 112	00.00	12300.00	14600.0		10000.00 MH
		Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree		
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1	-	2241.000	56.23	-18.50	37.73	74.00	-36.27			peak	
2		4553.000	54.79	-14.75	40.04	74.00	-33.96	-		peak	
3		4978.000	55.20	-14.07	41.13	74.00	-32.87			peak	
4		5709.000	54.34	-12.41	41.93	74.00	-32.07			peak	
5		7596.000	52.44	-5.46	46.98	74.00	-27.02			peak	1
6		7596.000	39.24	-5.46	33.78	54.00	-20,22			AVG	
7		9755.000	49,30	-1.47	47.83	74.00	-26.17	100	185	peak	
8	*	9755.000	35.75	-1.47	34.28	54.00	-19,72	100	185	AVG	11

*:Maximum data x:Over limit ! over margin

Page: 1

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Site:	S	GS 966 Ch	am	ber A	S. 16	Date	e: 2020/12	2/11		Ti	me:上午	01:45:50
limit:	F	CC Class E	3 1n	n 18-40G	(Peak)	Pola	arization:	Hori	zontal	Te	emperatu	re: 21 °C
Aode:	С	onfig 3				Pov	ver: AC 1	20V/60Hz		Hu	umidity: 7	75 %RH
Report	M	Н-2020-ВО	179	9		Dist	ance: 1m			Ai	r Pressur	e: 990 hpa
lester:	B	oris Liao										
vote:	R	EC Back										
igs Taiwa	in Ltd.	-Electromagnetic	Compa	atibility Laborat	ory Address; No.	2, Keji 1st Rd., Guishan Di	strict, Taoyuan C	ity, Taiwan 3	33			
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		Freq.	1	Reading	Factor	Measurement	Limit	Over	Height	Degree	Datast	Comment
No. M	Mk	(MHz)		(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1		19606.00	0	49.28	-1.79	47.49	83.50	-36.01			peak	
2	-	21806.00	0	47.55	-0.15	47.40	83.50	-36:10	-		peak	
3		23016.00	0	46.07	1.72	47.79	83.50	-35.71			peak	

24622.000

28802.000

31508.000

4

5

6

Page: 1

-35.16

-37.06

-37.40

100

286

83.50

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2.12

0.82

2.98

48.34

46.44

46.10

46.22

45.62

43.12

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peak

peak



Config_3_V

Site:	S	GS 966 Chan	nber A		Date	e: 2020/12	/10		Ti	me:下午	10:40:50
imit:	F	CC Class B 1	G-18G(Pea	k)	Pola	arization:	Verti	ical	Τe	mperatu	re: 21 °C
Aode	: C	onfig 3			Pow	ver: AC 1	20V/60Hz		Hu	midity: 7	75 %RH
Repo	rt: M	H-2020-B017	9		Dist	ance: 3m			Ai	Pressur	e: 990 hpa
reste	r: B	oris Liao									
lote:	R	EC Back									
GS Tak	wan Ltd.	-Electromagnetic Com	patibility Laboratory	Address: No.2	2, Keji 1st Rd., Gulshan Di	strict, Taoyuan C	ity, Taiwan 3.	33			
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		Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree		
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1		2530.000	57.10	-18.18	38.92	74.00	-35.08			peak	
2	-	4553.000	55.32	-14.75	40.57	74.00	-33.43	-		peak	
3		7664.000	51.89	-5.32	46.57	74.00	-27.43			peak	
4		7664.000	38.97	-5.32	33.65	54.00	-20.35			AVG	
5		8446.000	51.64	-4.04	47,60	74.00	-26.40		1	peak	1
6		8446.000	38,71	-4.04	34.67	54.00	-19,33			AVG	
7		9670.000	49.89	-1.51	48.38	74.00	-25.62			peak	1.
8		9670.000	37.76	-1.51	36.25	54.00	-17,75			AVG	1
	1	10486.000	50.03	-0.10	49.93	74.00	-24.07	100	239	peak	
9		10400.000	00.00								

*:Maximum data x:Over limit ! over margin

Page: 1

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Site:	S	GS 966 Cham	ber A		Dat	e: 2020/12	/11		Ti	me:上午	01:36:02
limit:	F	CC Class B 1	m 18-40G(F	Peak)	Pol	arization:	Vert	ical	Te	emperatu	re: 21 °C
Aode	: C	Config 3			Pov	ver: AC 1	20V/60Hz		H	umidity: 7	75 %RH
Repor	t: N	AH-2020-B017	9		Dist	tance: 1m			Ai	r Pressur	e: 990 hpa
reste	r: E	Boris Liao									
vote:	F	REC Back									
GS Talv	ran Lto	dElectromagnetic Comp	patibility Laboratory	Address: No.2	2, Keji 1st Rd., Guishan Di	strict, Taoyuan C	ity, Taiwan 3	33			
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No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	Detector	Comment
NU.	NIK	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment
1		18220.000	48.69	-2.10	46.59	83.50	-36.91			peak	
2		23368.000	47.21	2.06	49.27	83.50	-34.23			peak	1
3	*	25150.000	47.11	2.62	49.73	83.50	-33.77			peak	
4		25810.000	46.57	2.49	49.06	83.50	-34.44		2.11	peak	

44.71

45.48

5

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33444.000

34236.000

Page: 1

83.50

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-35.17

-33.94

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peak



Config_4_H

Site:	S	GS 9	66 Cham	ber A		Da	te: 2020/12	2/10	Ti	Time: 下午 07:13:32					
_imit:	F	cc c	lass B 1	G-18G(Pea	k)	Po	larization:	Hori	zontal	Te	emperatu	re: 21 °C			
Node	: C	onfig	4			Po	wer: AC 1	20V/60Hz	н	Humidity: 75 %RH					
Repo	rt: N	H-20	20-B017	9		Dis	stance: 3m			Ai	Air Pressure: 990 hpa				
Teste	r: B	oris L	iao												
Vote:	L	TE B	05												
SGS Tak	wan Ltd	Electron	nagnetic Com	patibility Laboratory	Address: No.	2, Keji 1st Rd., Guishan I	District, Taoyuan C	ity, Taiwan 3	33						
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		F	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree		-			
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment			
1		160	53.000	58,48	-22.98	35.50	74.00	-38.50			peak				
2		219	90.000	56.60	-18.86	37.74	74.00	-36:26	-		peak				
3		35	16.000	55.35	-17,37	37.98	74.00	-36.02			peak				
4	1	54	54.000	54.62	-13.07	41.55	74.00	-32.45			peak				
5		759	96.000	52.27	-5.46	46.81	74.00	-27,19			peak				
6	-		96.000	41.31	-5.46	35.85	54.00	-18.15			AVG				
7		97	55.000	49,76	-1.47	48.29	74.00	-25.71	105	23	peak				
8	*	97	55.000	37.95	-1.47	36.48	54.00	-17.52	105	23	AVG	11			

*:Maximum data x:Over limit ! over margin

Page: 1

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Site:		SGS 966 Chai	mber A		Date	e: 2020/12	/11		Ti	me:上午	02:06:28		
imit:		FCC Class B	1m 18-40G(F	Peak)	Pola	arization:	Hori	Τe	Temperature: 21 °C				
Aode	:	Config 4			Pow	ver: AC 1	20V/60Hz		Hu	Humidity: 75 %RH			
Repo	rt:	MH-2020-B01	79		Dist	ance: 1m			Ai	r Pressur	e: 990 hpa		
reste	r	Boris Liao											
Vote:		LTE B05											
GS Taly	wan L	tdElectromagnetic Cor	mpatibility Laboratory	Address; No.	2, Keji 1st Rd., Guishan Dis	strict, Taoyuan C	ity, Taiwan 3	33					
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-	1	Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree		1		
No.	MH	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment		
1	-	18286.000	49.43	-2.10	47.33	83.50	-36.17	(and)	(peak	1		
2		19518.000	48.28	-1.72	46.56	83.50	-36.94	-		peak			
3		22136.000	47.37	0.73	48.10	83.50	-35.40			peak			

24622.000

25084.000

31508.000

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Page: 1

-33.66

-33.84

-35.90

110

26

83.50

83.50

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2.12

2.43

2.98

49.84

49.66

47.60

47.72

47.23

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peak

peak



Config_4_V

Site:	S	GS 966 Cham	iber A		Dat	e: 2020/12	/10		Tir	me:下午	07:01:40	
imit:	F	CC Class B 1	G-18G(Pea	k)	Pola	Polarization: Vertical Power: AC 120V/60Hz				Temperature: 21 °C		
Aode	c C	onfig 4			Pov					midity: 7	75 %RH	
Repo	rt: M	H-2020-B017	9		Dist	ance: 3m			Air	Pressur	e: 990 hpa	
reste	r: B	oris Liao										
lote:	Ľ	TE B05										
GS Tak	wan Ltd.	-Electromagnetic Com	oatibility Laboratory	Address: No.	2, Keji 1st Rd., Guishan Di	strict, Taoyuan C	ity, Taiwan 3	33				
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		Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	1.000		
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment	
1		1663.000	57.50	-22.98	34.52	74.00	-39.48			peak		
2		6593.000	52.64	-8.09	44.55	74.00	-29.45			peak		
3		7987.000	51.01	-3.86	47.15	74.00	-26.85			peak		
4		7987.000	37.11	-3.86	33.25	54.00	-20.75			AVG	1	
5		10486.000	50.66	-0.10	50,56	74.00	-23.44			peak		
6		10486.000	35.57	-0.10	35.47	54.00	-18.53			AVG		
7		14413.000	48.12	4.01	52.13	74.00	-21.87			peak	1	
8		14413.000	32,65	4.01	36,66	54.00	-17.34			AVG	1	
		17014,000	47.57	5.32	52.89	74.00	-21.11	100	263	peak		
9	-	17014.000	41.01	0.02	02.00	1 1.00				P		

*:Maximum data x:Over limit ! over margin

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Site:	S	GS 966 Cham	iber A	10.	Da	te: 2020/12	2/11	1	Ti	me:上午	01:56:33	
imit:	F	CC Class B 1	m 18-40G(F	Peak)	Po	Polarization: Vertical				Temperature: 21 °C		
Aode	c	Config 4			Po	wer: AC 1	20V/60Hz		Hu	midity: 7	75 %RH	
Repor	t: N	AH-2020-B017	9		Dis	stance: 1m			Ai	r Pressur	e: 990 hpa	
reste	r: E	Boris Liao										
lote:	L	TE 805										
GS Talv	ran Lto	dElectromagnetic Com	patibility Laboratory	Address: No.2	2, Keji 1st Rd., Guishan I	District, Taoyuan C	ity, Taiwan 3	33				
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		Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree		<u>[</u>	
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment	
1		21982.000	47.17	0.80	47.97	83.50	-35.53			peak		
2		25150.000	47.11	2.62	49.73	83.50	-33.77			peak		
3		28142.000	44.15	0.98	45.13	83.50	-38.37			peak		
4	-	31530.000	44.44	2.93	47.37	83.50	-36.13		2 14	peak	1 h =	

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Page: 1

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Config_5_H

Site:	S	GS 966 Cha	mber A		Date	e: 2020/12	2/10		Ti	Time: 下午 09:43:19			
imit:	F	CC Class B	1G-18G(Pea	k)	Pola	Polarization: Horizontal Power: AC 120V/60Hz				Temperature: 21 °C Humidity: 75 %RH			
Aode	: C	onfig 5			Pov								
Repo	rt: M	H-2020-B01	79		Dist	ance: 3m	ł		Ai	r Pressur	e: 990 hpa		
Teste	r: Bo	oris Liao											
Vote:	F	M 98.1											
	1.0	1.0											
SGS Taiy	van Ltd.	-Electromagnetic Co	mpatibility Laboratory	Address; No.	2, Keji 1st Rd., Guishan Di	strict, Taoyuan C	ity, Taiwan 3	33					
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		Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree				
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment		
1		2343.000	55,65	-18.37	37.28	74.00	-36.72			peak			
2	-	4264.000	54.21	-15.45	38.76	74.00	-35.24	-		peak	-		
3		5879.000	53.78	-11.73	42.05	74.00	-31.95			peak			
4		7052.000	51.98	-6.78	45.20	74.00	-28.80			peak			
5		7052 000	39.26	-6.78	32.48	54.00	-21,52	-		AVG	1		
6		7987.000	50.67	-3.86	46.81	74.00	-27.19			peak	-		
7		7987.000	37.91	-3.86	34.05	54.00	-19.95			AVG			
					10.11			400	205				
8		10486.000	49.24	-0.10	49.14	74.00	-24.86	100	305	peak	1		

*:Maximum data x:Over limit ! over margin

Page: 1

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S	GS 966 Cha	mber A		Date	e: 2020/12	2/11		Ti	me:上午	02:30:02		
F	CC Class B	1m 18-40	G(Peak)	Pola	arization:	Hori	zontal	Te	emperatu	re: 21 °C		
: C	onfig 5			Pow	ver: AC 1	20V/60Hz	1	H	umidity: 7	75 %RH		
rt: N	H-2020-B01	79		Dist	ance: 1m		Ai	Air Pressure: 990 hpa				
er: B	oris Liao											
F	M 98.1											
wan Ltd	-Electromagnetic Co	npatibility Labo	ratory Address; No.	2, Keji 1st Rd., Guishan Di	itrict, Taoyuan C	aty, Taiwan 3	33					
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	Freq.	Readir	ng Factor	Measurement	Limit	Over	Height	Degree	Detector	Comment		
Mk	Freq. (MHz)	Readir (dBuV	· · · · · · · · · · · · · · · · · · ·	Measurement (dBuV/m)	Limit (dBuV/m)	Over (dB)	Height (cm)	Degree (deg.)	Detector	Comment		
		and the second second) (dB/m)	and the state of t					Detector	Comment		
	F F rrt: M F F dBu	FCC Class B :: Config 5 rrt: MH-2020-B01 :r: Boris Liao FM 98.1 wan LtdElectromagnetic Con dBuV/m	e: Config 5 rrt: MH-2020-B0179 er: Boris Liao FM 98.1 wan Ltd-Electromagnetic Compatibility Labo	FCC Class B 1m 18-40G(Peak) E: Config 5 rrt: MH-2020-B0179 E: Boris Liao FM 98.1 Wan LtdElectromagnetic Compatibility Laboratory Address: No. dBuV/m	FCC Class B 1m 18-40G(Peak) Pola Config 5 Pow rt: MH-2020-B0179 Dist FM 98.1 Pola Boris Liao FM 98.1 Pola FM 98.1 Pola Boris Liao FM 98.1 Pola Boris Liao FM 98.1 Pola FM 98.1 Pola FM 98.1 P	FCC Class B 1m 18-40G(Peak) Polarization: a: Config 5 Power: AC 1 bits Distance: 1m a: Boris Liao FM 98.1	FCC Class B 1m 18-40G(Peak) Polarization: Hori Power: AC 120V/60Hz Distance: 1m Power 1m Power: AC 120V/60Hz Distance: 1m Power 1	FCC Class B 1m 18-40G(Peak) Polarization: Horizontal Power: AC 120V/60Hz Distance: 1m Power	FCC Class B 1m 18-40G(Peak) Polarization: Horizontal Te e: Config 5 Power: AC 120V/60Hz Hi rt: MH-2020-B0179 Distance: 1m Ai ar: Boris Liao FM 98.1 Ai wan Ltd-Electromagnetic Compatibility Laboratory Address: No.2, Kejl 1st Rd., Guishan Distinct, Taoyuan City, Tanven 333 Ai dBuV/m Image: Application in the state of the state	FCC Class B 1m 18-40G(Peak) Polarization: Horizontal Temperature #: Config 5 Power: AC 120V/60Hz Humidity: 7 rt: MH-2020-B0179 Distance: 1m Air Pressure #: Boris Liao FM 98.1 Air Pressure wen Ld-Electromagnetic Compatibility Laboratory: Address: No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333 Image: Compatibility Laboratory address: No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333 dBuV/m Image: Compatibility Laboratory: Address: No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333 idBuv/m Image: Compatibility Laboratory: Address: No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333 idBuv/m Image: Compatibility Laboratory: Address: No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 334		

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Page: 1

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Config_5_V

	F(Co rt: M r: Bo	GS 966 Cham CC Class B 1 onfig 5 H-2020-B017 oris Liao VI 98.1	G-18G(Pea	k)	Pola Pov	Date: 2020/12/10 Polarization: Vertical Power: AC 120V/60Hz Distance: 3m				Time: 下午 09:33:30 Temperature: 21 ℃ Humidity: 75 %RH Air Pressure: 990 hpa			
		20.00.00000000000000000000000000000000	oatibility Laboratory	Address: No.2	, Keji 1st Rd., Guishan Di	strict, Taoyuan C	ity, Taiwan 3	33					
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a. 1		Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree				
10.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	Detector	Comment		
1		2241.000	56.46	-18.50	37,96	74.00	-36.04			peak			
2	-	4910.000	54.47	-14.20	40.27	74.00	-33.73			peak			
3		5879.000	53.26	-11.73	41.53	74.00	-32.47			peak			
4		6508,000	51.92	-8.23	43.69	74.00	-30.31			peak			
5		6508.000	39.88	-8.23	31.65	54.00	-22.35			AVG			
6		7018.000	51,99	-6.96	45.03	74.00	-28.97			peak			
7		7018.000	40.61	-6.96	33.65	54.00	-20.35		2 II	AVG			
8		10435.000	50,71	-0.29	50.42	74.00	-23.58	100	79	peak			
9	*	10435.000	36.10	-0.29	35.81	54.00	-18.19	100	79	AVG			

*:Maximum data x:Over limit ! over margin

Page: 1

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Site:	5	SGS 966 Cham	nber A	10	Date	e: 2020/12	2/11		тi	me:上午	02:17:40
imit:	F	FCC Class B 1	m 18-40G(F	Peak)	Pola	rization:	Verti	ical	Te	emperatu	re: 21 °C
Aode	. (Config 5			Pow	ver: AC 1	20V/60Hz		H	umidity: 7	75 %RH
Repor	t: P	MH-2020-B017	9		Dist	ance: 1m			Ai	r Pressur	e: 990 hpa
reste	r: E	Boris Liao									
vote:	F	FM 98.1									
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		Freq.	Reading	Factor	Measurement	Limit	Over	Height	Degree	Dalast	Comment
No.	Mk	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)		(deg.)	Detector	Comment
1		20486.000	49.37	-1.81	47.56	83.50	-35.94			peak	
2	-	25150.000	47.11	2.62	49.73	83.50	-33.77			peak	
3		25810.000	46.57	2.49	49.06	83.50	-34.44			peak	

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Page: 1

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