

# FCC TEST REPORT

**Project No.** : TM-2404000450P  
**Applicant** : SHARP Corporation Mobile Communication BU  
**Address** : 2-13-1 Iida Hachihonmatsu, Higashi-Hiroshima City, Hiroshima, 739-0192, Japan  
**Manufacturer** : Sharp Corporation  
**Address** : 1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan

**Equipment Under Test (EUT) :**

**Product Name** : Smart Phone  
**Brand Name** : SHARP  
**Standards** : 47 CFR FCC Part 15 Subpart B  
ANSI C63.4 : 2014

**Date of Sample Receipt** : Apr. 26, 2024

**Date of Test** : May 07, 2024

**Date of Issue** : May 21, 2024

<b>Test Result :</b>	<b>PASS</b>
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In the configuration tested, the EUT complied with the standards specified above.

**Remarks :**

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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**Approved By**



**Date**

May 21, 2024

**Eddy Cheng (Asst. Supervisor)**



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## Revision History

Revision	Report Number	Description	Issue Date
00	TMHY2404000705YE	Original.	May 21, 2024

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# 1. General Information

## 1.1 General Description of EUT

Product Name	Smart Phone
Brand Name	SHARP

## 1.2 Details of EUT

Power Supply	AC 100~240V, 50/60Hz
Highest internal frequency	8236MHz
Modes/Function	<p>Mode 1: EUT(1st)+WiFi 5G Link+BT Link+5G NR n2 Link+NFC On+GPS On+Color Bar with 1kHz Music+USB Cable to Adapter</p> <p>Mode 2: EUT(1st)+WiFi 5G Link+BT Link+LTE B2 Link+NFC On+GPS On+Color Bar with 1kHz Music+USB Cable to Adapter</p> <p>Mode 3: EUT(1st)+WiFi 5G Link+BT Link+LTE B2 Rx Receive+NFC On+GPS On+Color Bar with 1kHz Music+USB Cable to Adapter</p> <p>Mode 4: EUT(1st)+WiFi 2.4G Link+BT Link+WCDMA B2 Link+NFC On+GPS On+Color Bar with 1kHz Music+USB Cable to Adapter</p> <p>Mode 5: EUT(1st)+WiFi Idle+BT Standby+WWAN Idle+NFC On+GPS On+Color Bar with 1kHz Music+USB to Audio cable to Earphone+Battery Mode</p> <p>Mode 6: EUT(1st)+WiFi 2.4G Link+BT Link+WCDMA B2 Link+NFC On+GPS On+Front Camera Record+USB Cable to Adapter</p> <p>Mode 7: EUT(1st)+WiFi 2.4G Link+BT Link+WCDMA B2 Link+NFC On+GPS On+Rear(0.7x) Camera Record+USB Cable to Adapter</p> <p>Mode 8: EUT(1st)+WiFi 2.4G Link+BT Link+WCDMA B2 Link+NFC On+GPS On+Rear(1x) Camera Record+USB Cable to Adapter</p> <p>Mode 9: EUT(1st)+WiFi 2.4G Link+BT Link+WCDMA B2 Link+NFC On+GPS On+Copy EUT Data to NB+USB Cable to NB</p>

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Mode 10: EUT(1st)+WiFi 2.4G Link+BT Link+WCDMA B2 Link+NFC On+GPS On+Copy NB Data to EUT+USB Cable to NB
Mode 11: EUT(1st)+WiFi 2.4G Link+BT Link+WCDMA B2 Link+NFC On+GPS On+Copy SD Card Data to NB+USB Cable to NB
Mode 12: EUT(1st)+WiFi 2.4G Link+BT Link+WCDMA B2 Link+NFC On+GPS On+Copy NB Data to SD Card+USB Cable to NB
Mode 13: EUT(1st)+USB connect Smart Phone+Reverse Charging
Mode 14: EUT(2nd)+WiFi 2.4G Link+BT Link+WCDMA B2 Link+NFC On+GPS On+Copy NB Data to EUT+USB Cable to NB
Mode 15: EUT(1st)+WiFi 2.4G Link+BT Link+LTE B5 Link+NFC On+GPS On+Copy NB Data to EUT+USB Cable to NB
Mode 16: EUT(1st)+WiFi 2.4G Link+BT Link+LTE B12 Link+NFC On+GPS On+Copy NB Data to EUT+USB Cable to NB
Mode 17: EUT(1st)+WiFi 2.4G Link+BT Link+BT Link+LTE B13 Link+NFC On+GPS On+Copy NB Data to EUT+USB Cable to NB
Mode 18: EUT(1st)+WiFi 2.4G Link+BT Link+BT Link+LTE B17 Link+NFC On+GPS On+Copy NB Data to EUT+USB Cable to NB
Mode 19: EUT(1st)+WiFi 2.4G Link+BT Link+BT Link+WCDMA B5 Link+NFC On+GPS On+Copy NB Data to EUT+USB Cable to NB
Mode 20: EUT(1st)+WiFi 2.4G Link+BT Link+BT Link+GSM 850 Link+NFC On+GPS On+Copy NB Data to EUT+USB Cable to NB

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Worst case	CE Worst case	: Mode 1
	Below 1GHz RE Worst case	: Mode 10
	Above 1GHz RE Worst case	: Mode 9

**Note:****Source\_List:**

Description	1st source	2nd source
UFS Memory	Vendor A	Vendor B
DDR	Vendor A	Vendor B

**1.3 Description of Support Units**

Mode 1, 9, 10:

PRODUCT	MANUFACTURER	MODEL NO.	SERIAL NO.
BT Speaker	Creative	MF8090	YFMF8090245R00855Y
AP	ASUS	RT-AX88U	KAITHP000135
GPS Signal Generator	Spectracom	GSG53 GNSS4	200218
Notebook	Lenovo	L430	R9-XTECP 13/03
SIM Card	R&S	CMW-Z05	895253007 6180130000
Micro SD	Transcend	Micro SDHC (Class4)	N/A
Radio Communication Analyzer	ANRITSU	MT8821C	N/A
Adapter	DEE VAN	DSA-10PF06-05 FUS	N/A

**Support Equipment Used in Tested Cable**

Mode 1, 9, 10:

Cable Type	MANUFACTURER	MODEL NO.	Core	Length	Shielding/Non-shielding
USB cable	Kingpower	K201-05130-00	N/A	1m	Shielding

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## 1.4 Operation Procedure

### Mode 1:

1. Install SIM Card & SD Card into EUT(1st), connect USB cable to Adapter and turn it on.
2. Set up WiFi AP (WiFi 5G) connection, NB also connects to WiFi AP, NB executes ping EUT IP.
3. BT connection BT Seaker.
4. Set up the base station and set up the 5G NR n2 connection.
5. Before and after the test, connect another mobile phone (EUT spare) to the NB, set the NB to receive ADB commands, sense the NFC between the EUT and the spare back to back, and confirm the NFC Link from the ADB window.
6. Set up a GPS simulator, set up GPS signal transmission, and run the GPS TEST.app on the EUT to confirm the GPS signal reception.
7. Play Color Bar with 1kHz Music.
8. Start testing.

### Mode 9:

1. Install SIM Card & SD Card on EUT(1st), connect USB cable to NB to boot.
2. Set up WiFi AP (WiFi 2.4G) connection, NB also connects to WiFi AP, NB executes ping EUT IP.
3. BT connection BT Seaker.
4. Set up the base station and set up the WCDMA B2 connection.
5. Before and after the test, connect another mobile phone (EUT spare) to the NB, set the NB to receive ADB commands, sense the NFC between the EUT and the spare back to back, and confirm the NFC Link from the ADB window.
6. Set up a GPS simulator, set up GPS signal transmission, and run the GPS TEST.app on the EUT to confirm the GPS signal reception.
7. Set to copy the Data in the EUT to NB.
8. Start testing.

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Mode 10:

1. Install SIM Card & SD Card on EUT(1ST), connect USB cable to NB to boot.
2. Set up WiFi AP (WiFi 2.4G) connection, NB also connects to WiFi AP, NB executes ping EUT IP.
3. BT connection BT Seaker.
4. Set up the base station and set up the WCDMA B2 connection.
5. Before and after the test, connect another mobile phone (EUT spare) to the NB, set the NB to receive ADB commands, sense the NFC between the EUT and the spare back to back, and confirm the NFC Link from the ADB window.
6. Set up a GPS simulator, set up GPS signal transmission, and run the GPS TEST.app on the EUT to confirm the GPS signal reception..
7. Set to copy the data in NB to SD card.
8. Start testing.

### 1.5 Accessories Cable List

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

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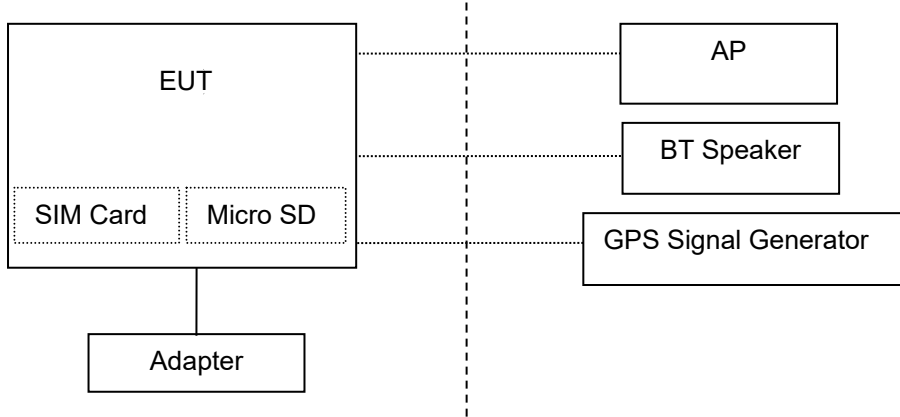
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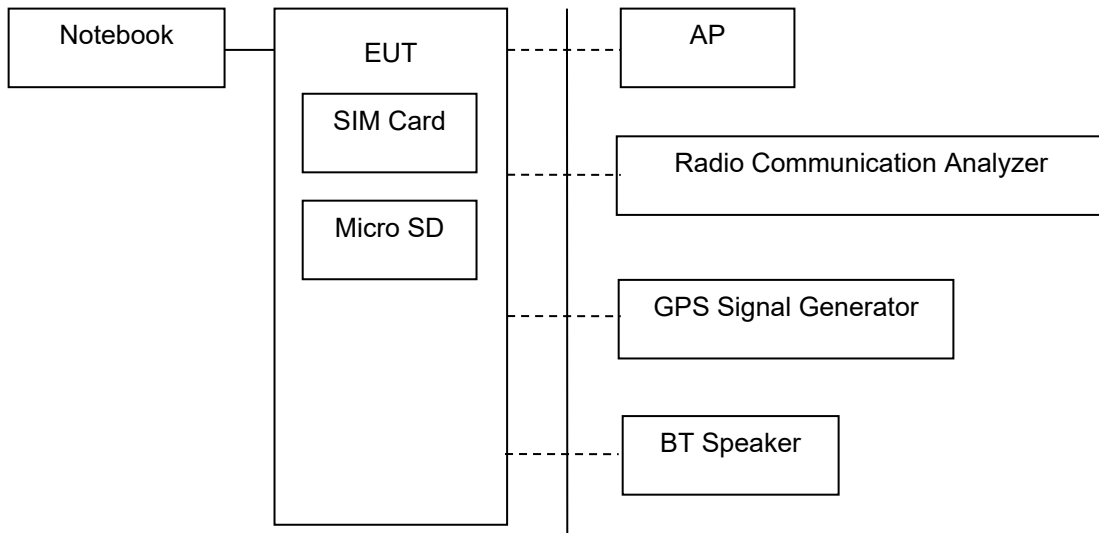


### 1.6 Test Set-Up Configuration

Mode 1:



Mode 9, 10:



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## 1.7 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.

## 1.8 Standards Applicable for Testing

Tests to be carried out under 47 CFR FCC Part 15 Subpart B/CISPR 22/

ANSI C63.4 : 2014

Test Standards	Status
47 CFR FCC Part 15 Subpart B CISPR 22 ANSI C63.4 : 2014	Applicable
Deviation from Standard	No deviation

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## 1.9 Decision Rules of Results

Reported measurement data comply with 47 CFR FCC Part 15 Subpart B. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

## 1.10 Summary of Results

Standard	Test Type	Result
47 CFR FCC Part 15 Subpart B ANSI C63.4 : 2014	Conducted Emission	PASS
	Radiated Emission	PASS

## 1.11 Reporting Statements of Conformity

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

## 1.12 Test Facility

Laboratory	SGS Taiwan Ltd. Electromagnetic Compatibility Lab
Test Site	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan
FCC Designation Number	TW1124

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## 2. EMISSION

### 2.1 Test Results

Conducted Emission	<b>Pass</b>
Radiated Emission	<b>Pass</b>

### 2.2 Frequency Range

**47 CFR 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
108 - 500	2000
500 - 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower.

### 2.3 Limits of Conducted and Radiated Emission

#### 2.3.1 Limits of Conducted Emission

**47 CFR FCC Part 15 Subpart B:**

FREQUENCY (MHz)	Class A dB(μV)		Class B dB(μV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.5 - 5	73	60	56	46
5.0 - 30	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

#### 47 CFR FCC Part 15 Subpart B Limit:

- Detector Function : Quasi – Peak

FREQUENCY (MHz)	Class A (at 10 m)	Class B (at 3 m)
	dB( $\mu$ V/m)	dB( $\mu$ V/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 (MHz)	Class A dB( $\mu$ V/m) (at 3 m)		Class B dB( $\mu$ V/m) (at 3 m)	
	Peak	Average	Peak	Average
Above 1000	80	60	74	54

#### CISPR 22 Limit:

- Detector Function : Quasi – Peak

FREQUENCY (MHz)	Class A (at 10 m)	Class B (at 10 m)
	dB( $\mu$ V/m)	dB( $\mu$ V/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 Emission HWAYA Conducted Room No.A EMC					
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI	101311	2023/6/20	2024/6/19
Coaxial Cables	EMC Instruments Corp.	HY-CE-CABLE	HYCE-2000-01	2023/5/19	2024/5/18
LISN	Schwarzbeck	NSLK 8127	8127648	2023/7/17	2024/7/16
Pulse Limiter	R&S	ESH3Z2	102099	2023/6/16	2024/6/15
Communication Tester	R&S	CMW500	152303	2024/3/26	2025/3/25
Communication Tester	Anritsu	MT8820C	6201010266	2023/11/23	2024/11/22
Test Software	Farad	EZ-EMC	Ver. SGS-03A2-11	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 measurement is 2.26 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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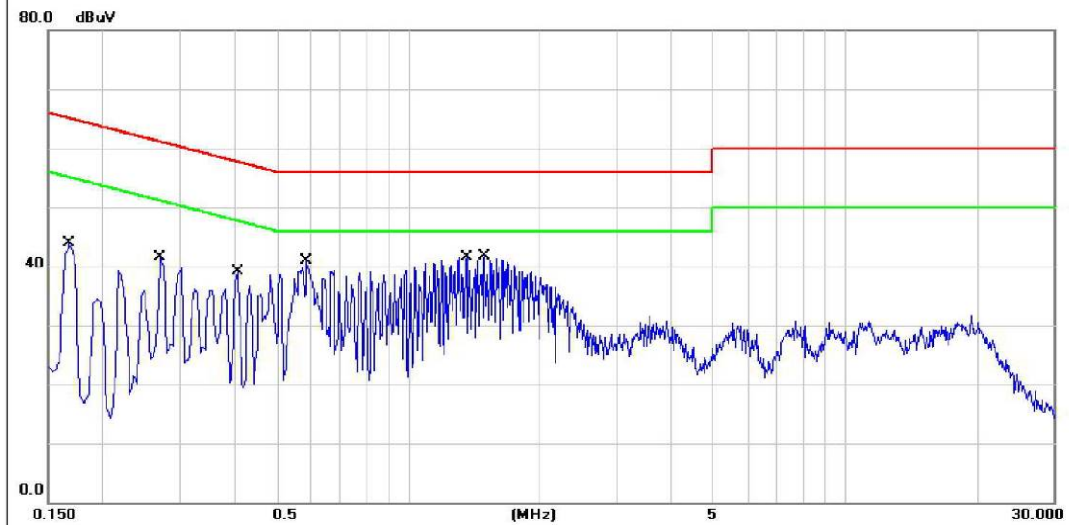
2.4.3 Measurement Data:

Mode\_1\_L

Site: Conduction Room A	Date: 2024/5/7	Time: 上午 11:02:50
Limit: FCC Class B Conduction(QP)	Phase: L1	Temperature: 22 °C
Mode: Mode 1	Power: AC120V/60Hz	Humidity: 55 %RH
Report: TMHY2404000705YE		atm pressure: 990 mbar
Tester: Freeman Wang		

Note:

SGS Taiwan Ltd.-Electromagnetic Compatibility Laboratory Address: No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333



No.	Mk	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Measurement (dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1		0.1680	31.09	10.15	41.24	65.06	-23.82	QP	
2		0.1680	18.60	10.15	28.75	55.06	-26.31	AVG	
3		0.2714	27.99	10.14	38.13	61.07	-22.94	QP	
4		0.2714	16.46	10.14	26.60	51.07	-24.47	AVG	
5		0.4065	25.48	10.15	35.63	57.72	-22.09	QP	
6		0.4065	12.69	10.15	22.84	47.72	-24.88	AVG	
7		0.5865	29.75	10.15	39.90	56.00	-16.10	QP	
8	*	0.5865	24.45	10.15	34.60	46.00	-11.40	AVG	
9		1.3605	27.40	10.10	37.50	56.00	-18.50	QP	
10		1.3605	17.20	10.10	27.30	46.00	-18.70	AVG	
11		1.4955	27.63	10.07	37.70	56.00	-18.30	QP	
12		1.4955	17.63	10.07	27.70	46.00	-18.30	AVG	

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

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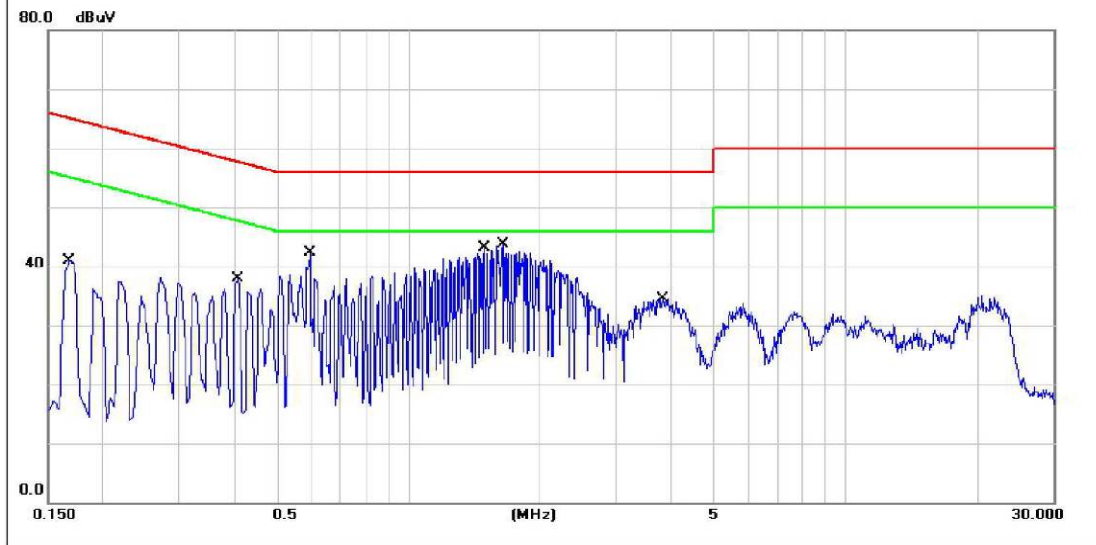


### Mode\_1\_N

Site: Conduction Room A	Date: 2024/5/7	Time: 上午 11:09:33
Limit: FCC Class B Conduction(QP)	Phase: N	Temperature: 22 °C
Mode: Mode 1	Power: AC120V/60Hz	Humidity: 55 %RH
Report: TMHY2404000705YE		atm pressure: 990 mbar
Tester: Freeman Wang		

Note:

SGS Taiwan Ltd. Electromagnetic Compatibility Laboratory Address: No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333



No.	Mk	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Measurement (dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1		0.1680	28.22	10.14	38.36	65.06	-26.70	QP	
2		0.1680	15.48	10.14	25.62	55.06	-29.44	AVG	
3		0.4065	24.16	10.14	34.30	57.72	-23.42	QP	
4		0.4065	10.36	10.14	20.50	47.72	-27.22	AVG	
5		0.5955	26.96	10.15	37.11	56.00	-18.89	QP	
6		0.5955	15.61	10.15	25.76	46.00	-20.24	AVG	
7		1.4955	28.64	10.06	38.70	56.00	-17.30	QP	
8		1.4955	16.04	10.06	26.10	46.00	-19.90	AVG	
9	*	1.6530	29.06	10.04	39.10	56.00	-16.90	QP	
10		1.6530	16.36	10.04	26.40	46.00	-19.60	AVG	
11		3.8265	20.35	9.95	30.30	56.00	-25.70	QP	
12		3.8265	9.35	9.95	19.30	46.00	-26.70	AVG	

\*:Maximum data x:Over limit !: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	100924	2023/9/23	2024/9/22
EMI Test Receiver	R&S	ESCI 7	100950	2023/9/13	2024/9/12
Broadband Antenna	Schwarzbeck	VULB9168	VULB 9168-628	2023/9/13	2024/9/12
Broadband Antenna	SCHWAZBECK	VULB9168	VULB 9168-629	2023/11/2	2024/11/1
Pre Amplifier	EMC Instruments	EMC330	060793	2024/4/25	2025/4/24
Pre Amplifier	EMC Instruments	EMC330	060847	2024/4/25	2025/4/24
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150917	2023/9/16	2024/9/15
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150919	2023/9/16	2024/9/15
Coaxial Cable	Huber+Suhner	RG214/U	2211955	2023/9/16	2024/9/15
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150918	2023/9/16	2024/9/15
Coaxial Cable	Huber+Suhner	RG214/U	2211955	2023/9/16	2024/9/15
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM	150822	2023/9/16	2024/9/15
Communication Tester	R&S	CMW500	152303	2024/3/26	2025/3/25
Communication Tester	Anritsu	MT8820C	6201010266	2023/11/23	2024/11/22
Site NSA	SGS	10m Chamber	10M SAC	2023/12/31	2024/12/30
Test S/W	Farad	EZ-EMC	Ver. SGS 10m-03A2-9	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 U<sub>lab</sub> (k=2) of Radiated Emission measurement is 4.06 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 Above 1GHz HWAYA 966A EMC					
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
Spectrum Analyzer	R&S	FSV 40	101419	2023/7/18	2024/7/17
EMI Test Receiver	R&S	ESR 7	101459	2024/2/15	2025/2/14
Horn Antenna	Schwarzbeck	BBHA9120D	BBHA9120D285	2024/4/12	2025/4/11
Horn Antenna	Schwarzbeck	BBHA9170	01135	2024/2/23	2025/2/22
Pre Amplifier	EMC Instruments	EMC118A45V1SEE	980137	2024/3/28	2025/3/27
Pre Amplifier	EMC Instruments	EMC184045SEE	980885	2024/3/30	2025/3/29
Coaxial Cable	JUNFLOW	MWX221-NMSNMS	J0778929	2024/4/24	2025/4/23
Coaxial Cable	EMC Instruments	EMC 104-SM-SM-8000	200905	2024/4/24	2025/4/23
Coaxial Cable	Wokentech	N/A	20221111-4	2024/4/24	2025/4/23
Coaxial Cable	Huber+Suhner	EMC101G-KM-KM-1000	220202	2024/3/30	2025/3/29
Coaxial Cable	Huber+Suhner	EMC101G-KM-KM-8000	220203	2024/3/30	2025/3/29
Filter	Woken	WFIL-N2400-2483.5F-02	WR145WC2B1	2024/1/30	2025/1/29
Communication Tester	R&S	CMW500	152303	2024/3/26	2025/3/25
Communication Tester	Anritsu	MT8820C	6201010266	2023/11/23	2024/11/22
Site VSWR	SGS	966 Chamber A	SAC-A	2024/1/12	2025/1/11
Test Software	Farad	EZ-EMC	Ver. SGS-03A2-11	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 U<sub>lab</sub> (k=2) of Radiated Emission measurement is 4.15 dB.(1-6GHz)
- Expanded uncertainty U<sub>lab</sub> (k=2) of Radiated Emission measurement is 4.29 dB.(6-18GHz)
- Expanded uncertainty U<sub>lab</sub> (k=2) of Radiated Emission measurement is 4.27 dB.(18-26GHz)
- Expanded uncertainty U<sub>lab</sub> (k=2) of Radiated Emission measurement is 4.19 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

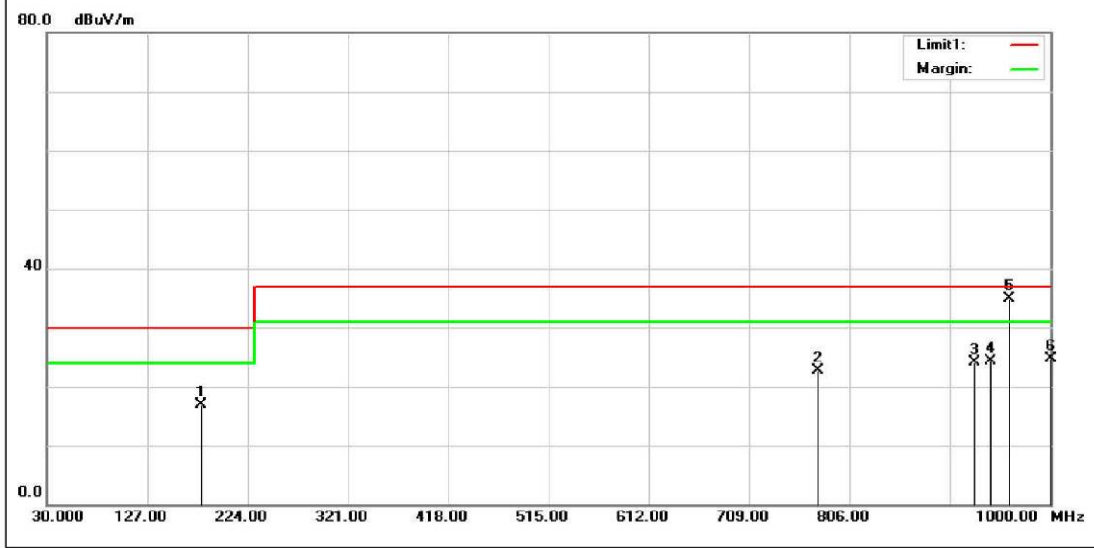
Below 1GHz

Mode\_10\_H

Site: SGS 10m Chamber	Date: 2024/5/7	Time: 上午 05:29:21
Limit: CISPR22 Class B 10m Radiation	Polarization: Horizontal	Temperature: 24 °C
Mode: Mode 10	Power: AC120V/60Hz	Humidity: 56 %RH
Report: File :TMHY2404000705YE	Distance: 10m	atm pressure: 990 mbar
Tester: Moore Cheng		

Note:

SGS Taiwan Ltd. Electromagnetic Compatibility Laboratory Address: No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333



No.	Mk	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Measurement (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		178.6400	40.13	-23.19	16.94	30.00	-13.06	QP			
2		775.2100	33.04	-10.40	22.64	37.00	-14.36	QP			
3		925.7400	32.39	-8.20	24.19	37.00	-12.81	QP			
4		941.8600	32.31	-8.00	24.31	37.00	-12.69	QP			
5	*	960.0200	42.78	-7.80	34.98	37.00	-2.02	QP	136	272	
6		1000.0000	32.05	-7.30	24.75	37.00	-12.25	QP			

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

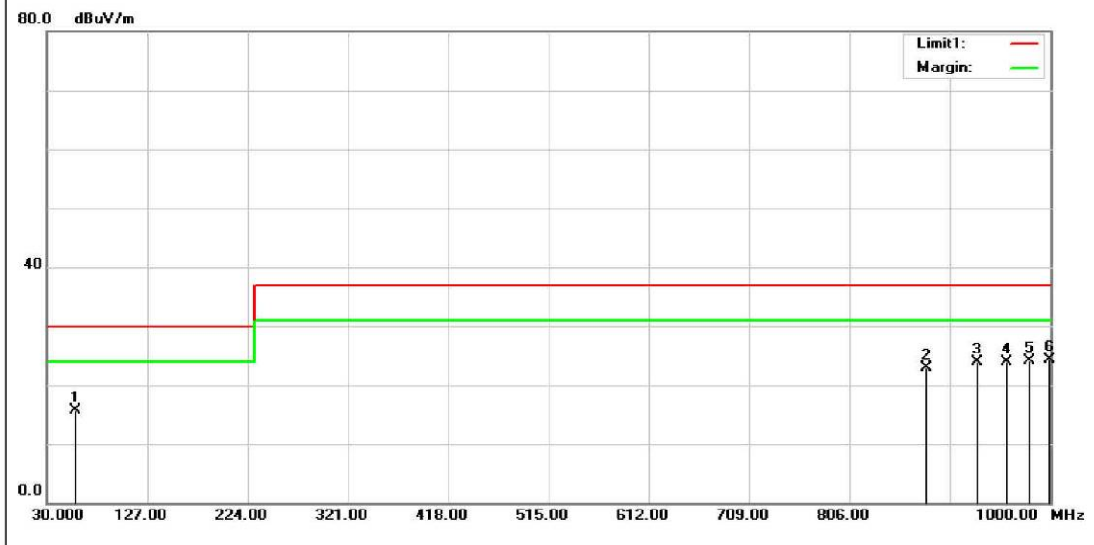
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### Mode\_10\_V

Site: SGS 10m Chamber	Date: 2024/5/7	Time: 上午 05:29:19
Limit: CISPR22 Class B 10m Radiation	Polarization: Vertical	Temperature: 24 °C
Mode: Mode 10	Power: AC120V/60Hz	Humidity: 56 %RH
Report: File :TMHY2404000705YE	Distance: 10m	atm pressure: 990 mbar
Tester: Moore Cheng		

Note:

SGS Taiwan Ltd. Electromagnetic Compatibility Laboratory Address: No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333



No.	Mk	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Measurement (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		57.4400	37.80	-22.03	15.77	30.00	-14.23	QP			
2		880.0100	31.22	-8.38	22.84	37.00	-14.16	QP			
3		928.2400	30.97	-7.03	23.94	37.00	-13.06	QP			
4		956.8500	30.92	-6.98	23.94	37.00	-13.06	QP			
5		978.8400	31.07	-6.93	24.14	37.00	-12.86	QP			
6	*	998.2200	30.70	-6.45	24.25	37.00	-12.75	QP	220	360	

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

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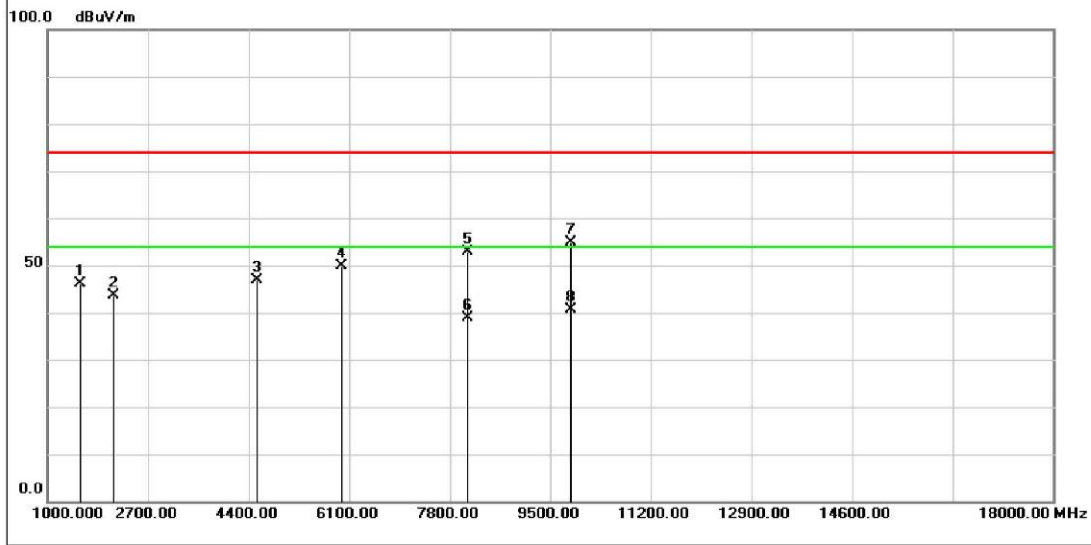
Above 1GHz

Mode\_9\_H

Site: SGS 966 Chamber A	Date: 2024/5/7	Time: 下午 08:58:11
Limit: FCC Class B 1G-18G(Peak)	Polarization: Horizontal	Temperature: 21 °C
Mode: Mode 9	Power: AC 120V/60Hz	Humidity: 63 %RH
Report: TMHY2404000705YE	Distance: 3m	atm pressure: 990 mbar
Tester: Boris Liao		

Note:

SGS Taiwan Ltd.-Electromagnetic Compatibility Laboratory Address: No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Height (cm)	Degree (deg.)	Comment
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)				
1		1561.000	54.33	-8.13	46.20	74.00	-27.80	peak			
2		2122.000	48.87	-5.32	43.55	74.00	-30.45	peak			
3		4553.000	47.21	-0.39	46.82	74.00	-27.18	peak			
4		5981.000	47.78	1.98	49.76	74.00	-24.24	peak			
5		8106.000	47.22	5.66	52.88	74.00	-21.12	peak			
6		8106.000	33.29	5.66	38.95	54.00	-15.05	AVG			
7		9857.000	48.50	6.31	54.81	74.00	-19.19	peak	144	0	
8	*	9857.000	34.27	6.31	40.58	54.00	-13.42	AVG	144	0	

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

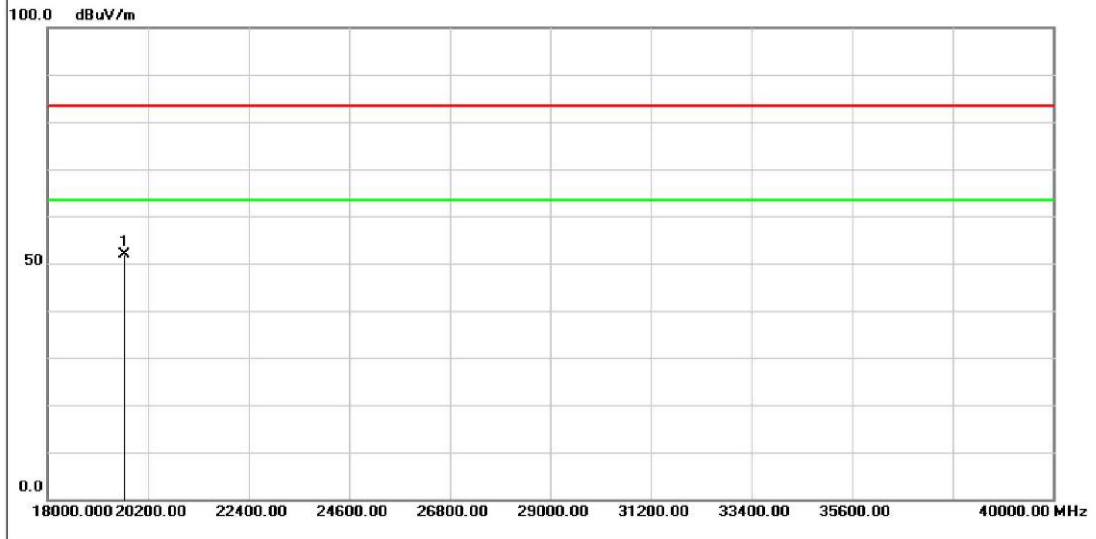
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Site: SGS 966 Chamber A	Date: 2024/5/7	Time: 下午 09:36:51
Limit: FCC Class B 18-40G(Peak)	Polarization: Horizontal	Temperature: 21 °C
Mode: Mode 9	Power: AC 120V/60Hz	Humidity: 63 %RH
Report: TMHY2404000705YE	Distance: 1m	atm pressure: 990 mbar
Tester: Boris Liao		

Note:

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No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Height	Degree	Comment
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)		(cm)	(deg.)	
1	*	19694.000	52.94	-0.94	52.00	83.50	-31.50	peak	205	21	

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

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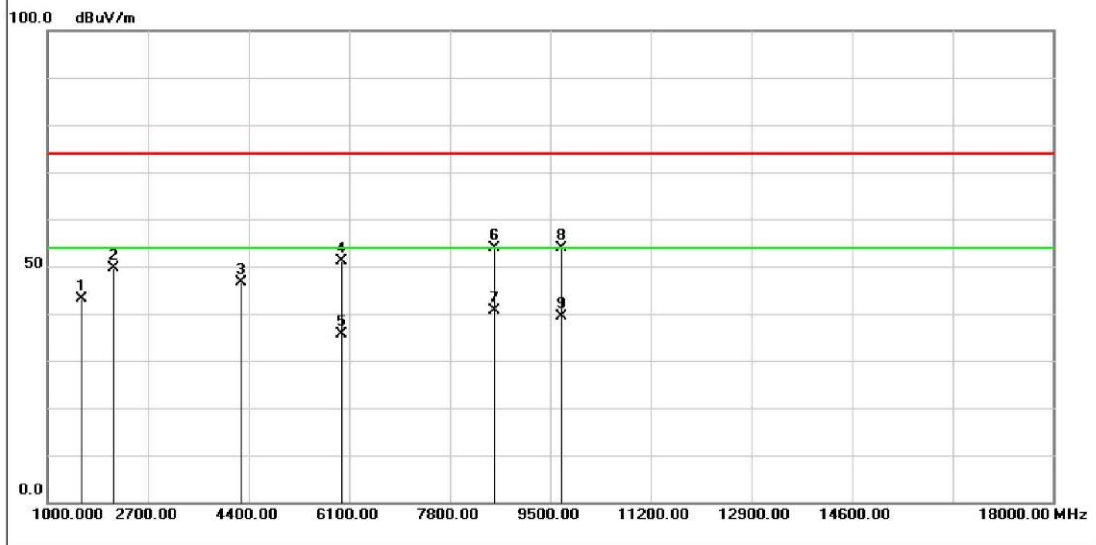


### Mode\_9\_V

Site: SGS 966 Chamber A	Date: 2024/5/7	Time: 下午 08:46:11
Limit: FCC Class B 1G-18G(Peak)	Polarization: Vertical	Temperature: 21 °C
Mode: Mode 9	Power: AC 120V/60Hz	Humidity: 63 %RH
Report: TMHY2404000705YE	Distance: 3m	atm pressure: 990 mbar
Tester: Boris Liao		

Note:

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No.	Mk	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Measurement (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		1578.000	51.24	-8.07	43.17	74.00	-30.83	peak			
2		2122.000	55.04	-5.32	49.72	74.00	-24.28	peak			
3		4264.000	47.75	-1.19	46.56	74.00	-27.44	peak			
4		5981.000	49.06	1.98	51.04	74.00	-22.96	peak			
5		5981.000	33.60	1.98	35.58	54.00	-18.42	AVG			
6		8548.000	48.47	5.34	53.81	74.00	-20.19	peak	200	90	
7	*	8548.000	35.28	5.34	40.62	54.00	-13.38	AVG	200	90	
8		9687.000	47.71	6.16	53.87	74.00	-20.13	peak			
9		9687.000	33.31	6.16	39.47	54.00	-14.53	AVG			

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

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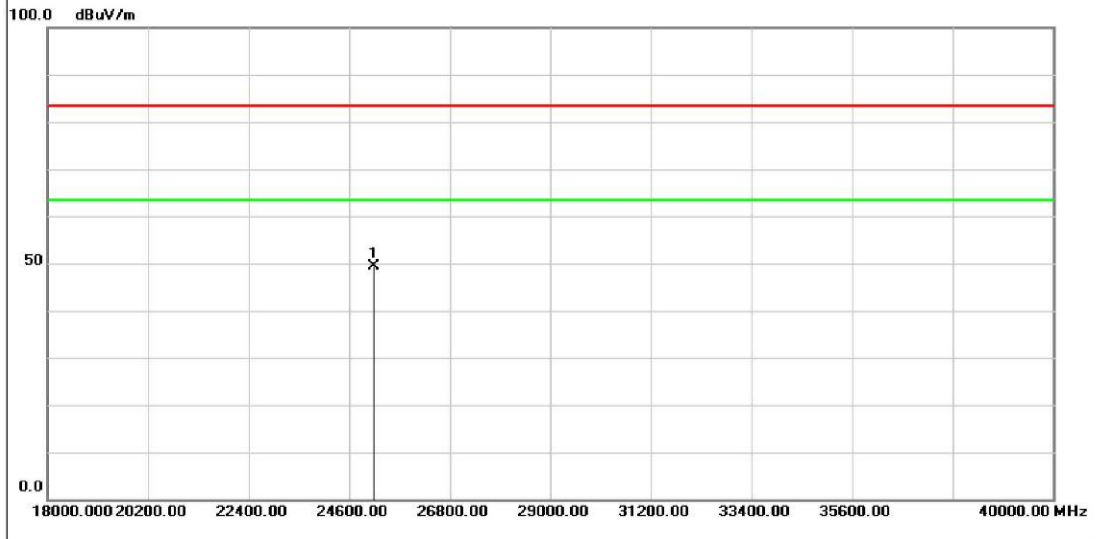
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Site: SGS 966 Chamber A	Date: 2024/5/7	Time: 下午 09:22:56
Limit: FCC Class B 18-40G(Peak)	Polarization: Vertical	Temperature: 21 °C
Mode: Mode 9	Power: AC 120V/60Hz	Humidity: 63 %RH
Report: TMHY2404000705YE	Distance: 1m	atm pressure: 990 mbar
Tester: Boris Liao		

Note:

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No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Height	Degree	Comment
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)		(cm)	(deg.)	
1	*	25150.000	45.07	4.36	49.43	83.50	-34.07	peak	185	95	

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

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