



FCC EMI TEST REPORT

FCC ID : ZL5S62PRO
Equipment : Rugged Smart Phone
Brand Name : CAT
Model Name : S62 Pro
Applicant : Bullitt Group
One Valpy, Valpy Street, Reading, Berkshire,
England RG1 1AR
Standard : FCC 47 CFR FCC Part 15 Subpart B Class B

The product was received on Dec. 07, 2020 and testing was started from Dec. 14, 2020 and completed on Dec. 16, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.107	AC Conducted Emission	Pass	Under limit 8.99 dB at 0.161 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 2.55 dB at 82.380 MHz for Quasi-Peak

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Dara Chiu

Report Producer: Tina Chuang

1. General Description

1.1. Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac, NFC and GNSS.

Product Specification subjective to this standard	
Sample 1	Dual SIM
Sample 2	Single SIM
Antenna Type	WWAN <Main 1>: PIFA Antenna <Main 2>: PIFA Antenna <Diversity 1>: PIFA Antenna <Diversity 2>: Loop Antenna WLAN 2.4GHz: PIFA Antenna WLAN 5GHz: Mono Pole Antenna Bluetooth: PIFA Antenna GPS/Glonass/BDS/Galileo/SBAS: PIFA Antenna NFC: Loop Antenna

Remark:

1. The samples have same layout, circuit and components but different SIM tray. The phone software will identify the loaded sim card combinations whether with single sim card or dual sim cards.
2. The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.2. Modification of EUT

No modifications are made to the EUT during all test items.



1.3. Test Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No.
	CO05-HY
Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No.
	03CH10-HY

FCC designation No.: TW1093 and TW1098

1.4. Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC 47 CFR FCC Part 15 Subpart B Class B
- ♦ ANSI C63.4-2014

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2. Test Configuration of Equipment Under Test

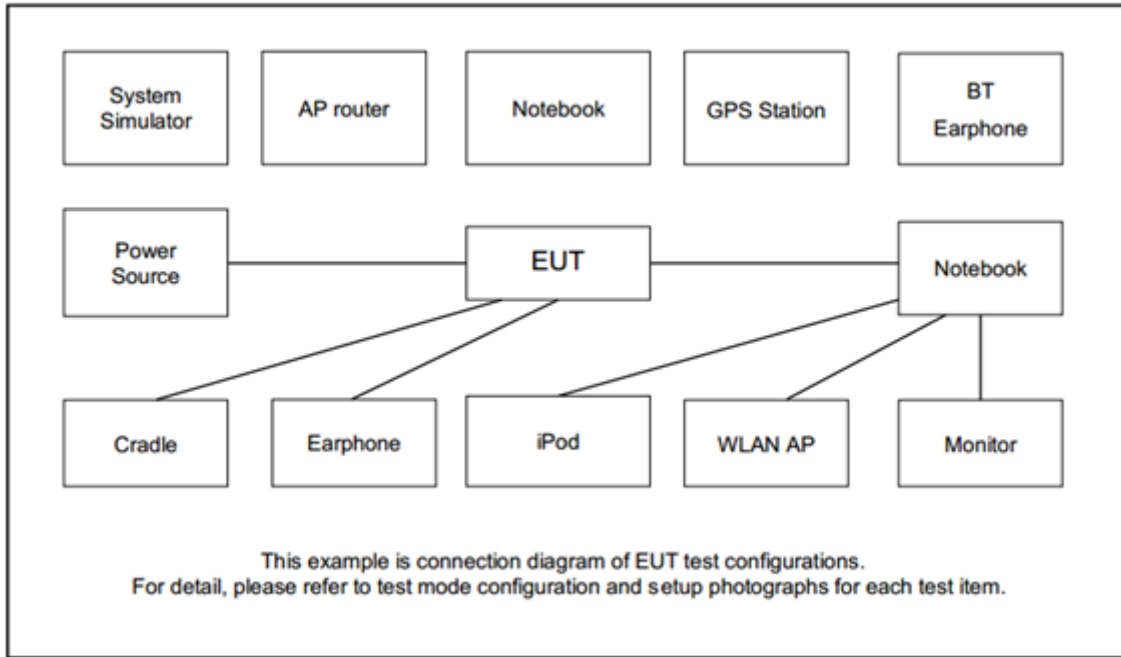
2.1. Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

Test Items	Function Type
AC Conducted Emission	Mode 1: GSM 850 Idle + Bluetooth Idle + WLAN Idle + NFC On + MPEG4 + USB Cable (Charging from AC Adapter) + SIM 1 Mode 2: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + NFC On + Camera (Front) + USB Cable (Charging from AC Adapter) + SIM 1 Mode 3: LTE Band 26 Idle + Bluetooth Idle + WLAN Idle + NFC On + Camera (Rear) + USB Cable (Charging from AC Adapter) + SIM 1 Mode 4: LTE Band 12 Idle + Bluetooth Idle + WLAN Idle + NFC On + Play MP3 + USB Cable (Charging from AC Adapter) + SIM 1 Mode 5: LTE Band 71 Idle + Bluetooth Idle + WLAN Idle + NFC On + GPS Rx + USB Cable (Data Link with Notebook) + SIM 1 Mode 6: LTE Band 71 Idle + Bluetooth Idle + WLAN Idle + NFC On + GPS Rx + USB Cable (Data Link with Notebook) + SIM 2
Radiated Emissions	Mode 1: GSM 850 Idle + Bluetooth Idle + WLAN Idle + NFC On + MPEG4 + USB Cable (Charging from AC Adapter) + SIM 1 Mode 2: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + NFC On + Camera (Front) + Audio Converter + Earphone + SIM 1 Mode 3: LTE Band 26 Idle + Bluetooth Idle + WLAN Idle + NFC On + Camera (Rear) + USB Cable (Charging from AC Adapter) + SIM 1 Mode 4: LTE Band 12 Idle + Bluetooth Idle + WLAN Idle + NFC On + Play MP3 + Audio Converter + Earphone + SIM 1 Mode 5: LTE Band 71 Idle + Bluetooth Idle + WLAN Idle + NFC On + GPS Rx + USB Cable (Data Link with Notebook) + SIM 1 Mode 6: LTE Band 12 Idle + Bluetooth Idle + WLAN Idle + NFC On + Play MP3 + Audio Converter + Earphone + SIM 2
Remark: 1. The worst case of AC is mode 5; only the test data of this mode was reported. 2. The worst case of RE is mode 4; only the test data of this mode was reported. 3. For radiation emission after pre-scanned the cellular band between 30MHz ~ 960MHz (GSM850/WCDMA Band V/LTE Band 12/71/26); only the worst case for cellular band test data of this mode was reported. 4. Data Link with Notebook means data application transferred mode between EUT and Notebook.	

2.2. Connection Diagram of Test System



2.3. Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
4.	Bluetooth Earphone	Sony Ericsson	SBH20	PY7-RD0010	N/A	N/A
5.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
6.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
7.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
8.	Notebook	Dell	Latitude 5480	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
9.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A



2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA or LTE idle mode during the testing. The EUT was synchronized with the BCCH, and had been continuous receiving mode by setting paging reorganization of the system simulator.

At the same time, the EUT was attached to the Bluetooth earphone or WLAN AP, and the following programs installed in the EUT were programmed during the test:

1. Data application is transferred between Notebook and EUT via USB cable.
2. Execute "GPS Test" to make the EUT receive continuous signals from GPS station.
3. Execute "Music Player" to play MP3 files.
4. Execute "Windows Media Player" to play MPEG4 files.
5. Turn on camera to capture images.
6. Turn on NFC function.



3. Test Result

3.1. Test of AC Conducted Emission Measurement

3.1.1. Limits of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

<Class B>

Frequency of emission (MHz)	Conducted limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

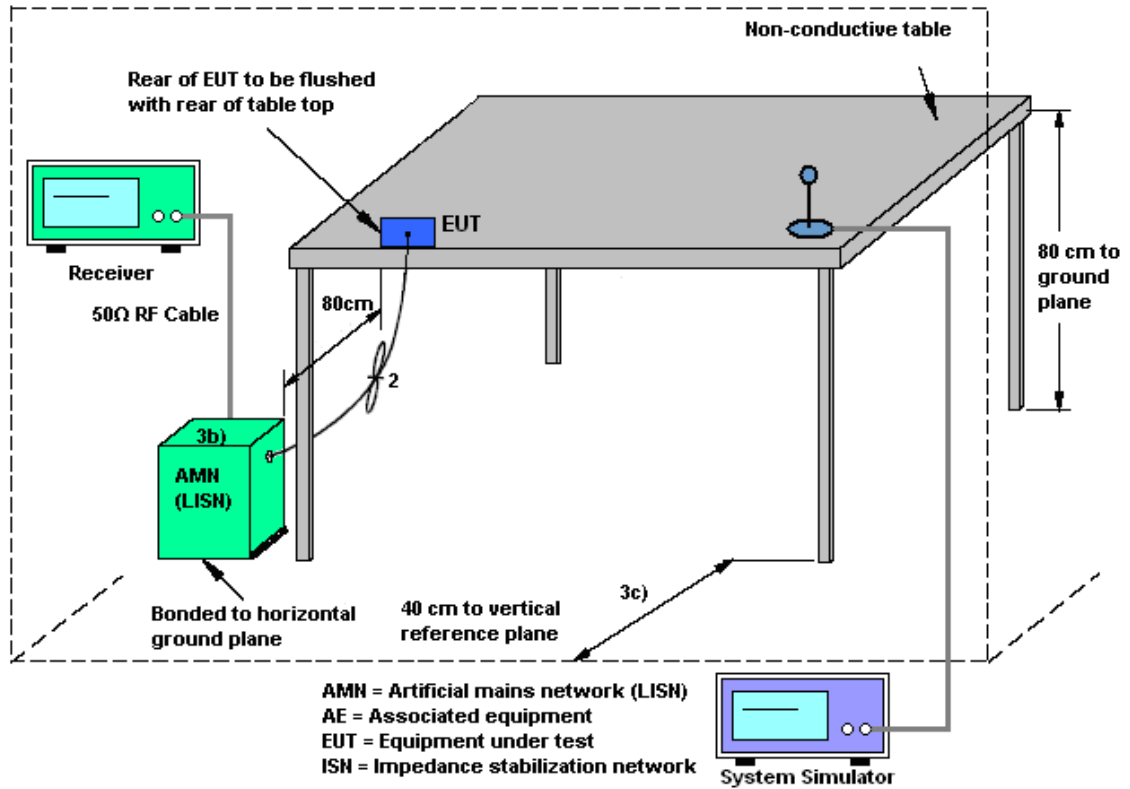
3.1.2. Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3. Test Procedure

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

3.1.4. Test Setup



3.1.5. Test Result of AC Conducted Emission

Please refer to Appendix A.



3.2. Test of Radiated Emission Measurement

3.2.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

<Class B>

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.2.2. Measuring Instruments

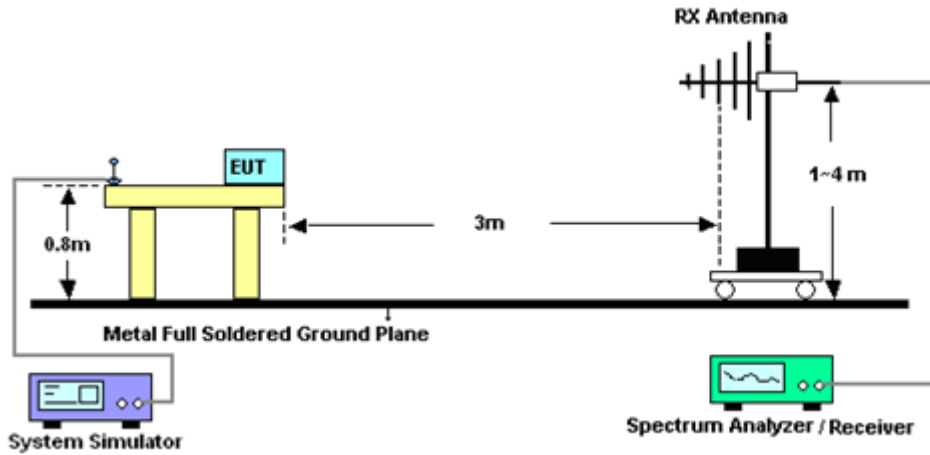
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

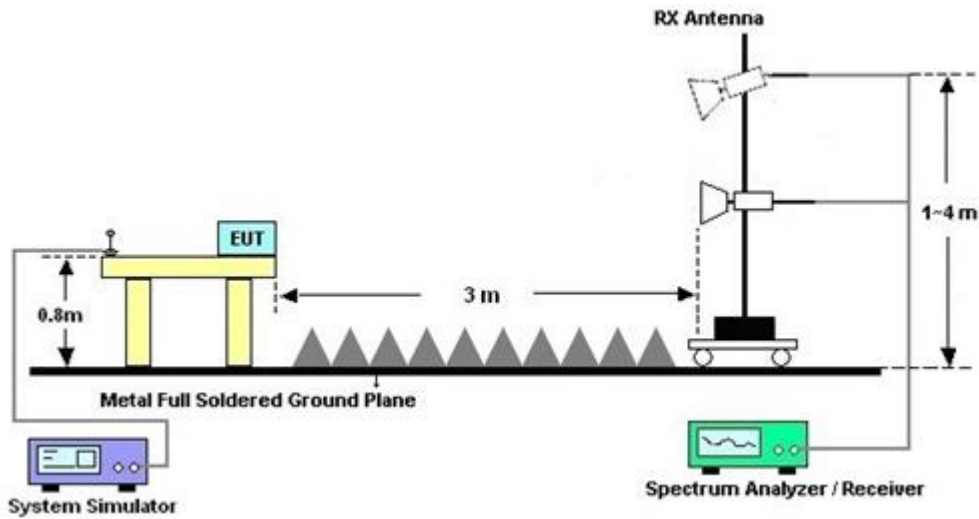
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a Bi-Log antenna and its height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
8. Emission level (dBµV/m) = 20 log Emission level (µV/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.2.5. Test Result of Radiated Emission

Please refer to Appendix B.



4. List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 16, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 11, 2020	Dec. 16, 2020	Sep. 10, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Dec. 16, 2020	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 01, 2020	Dec. 16, 2020	Nov. 30, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Dec. 16, 2020	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Dec. 16, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Dec. 16, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Dec. 16, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 21, 2020	Dec. 14, 2020~ Dec. 15, 2020	Oct. 20, 2021	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35413 & 02	30MHz~1GHz	Feb. 11, 2020	Dec. 14, 2020~ Dec. 15, 2020	Feb. 10, 2021	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Aug. 04, 2020	Dec. 14, 2020~ Dec. 15, 2020	Aug. 03, 2021	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800-30-10P	160118550004	1GHz~18GHz	Mar. 02, 2020	Dec. 14, 2020~ Dec. 15, 2020	Mar. 01, 2021	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Feb. 10, 2020	Dec. 14, 2020~ Dec. 15, 2020	Feb. 09, 2021	Radiation (03CH10-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Dec. 14, 2020~ Dec. 15, 2020	N/A	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Dec. 14, 2020~ Dec. 15, 2020	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Dec. 14, 2020~ Dec. 15, 2020	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Dec. 14, 2020~ Dec. 15, 2020	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290045	20MHz~8.4GHz	Jan. 18, 2020	Dec. 14, 2020~ Dec. 15, 2020	Jan. 17, 2021	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	30MHz~1GHz	Nov. 06, 2020	Dec. 14, 2020~ Dec. 15, 2020	Nov. 05, 2021	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	1GHz~18GHz	Nov. 06, 2020	Dec. 14, 2020~ Dec. 15, 2020	Nov. 05, 2021	Radiation (03CH10-HY)



5. Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.3
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.7
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1
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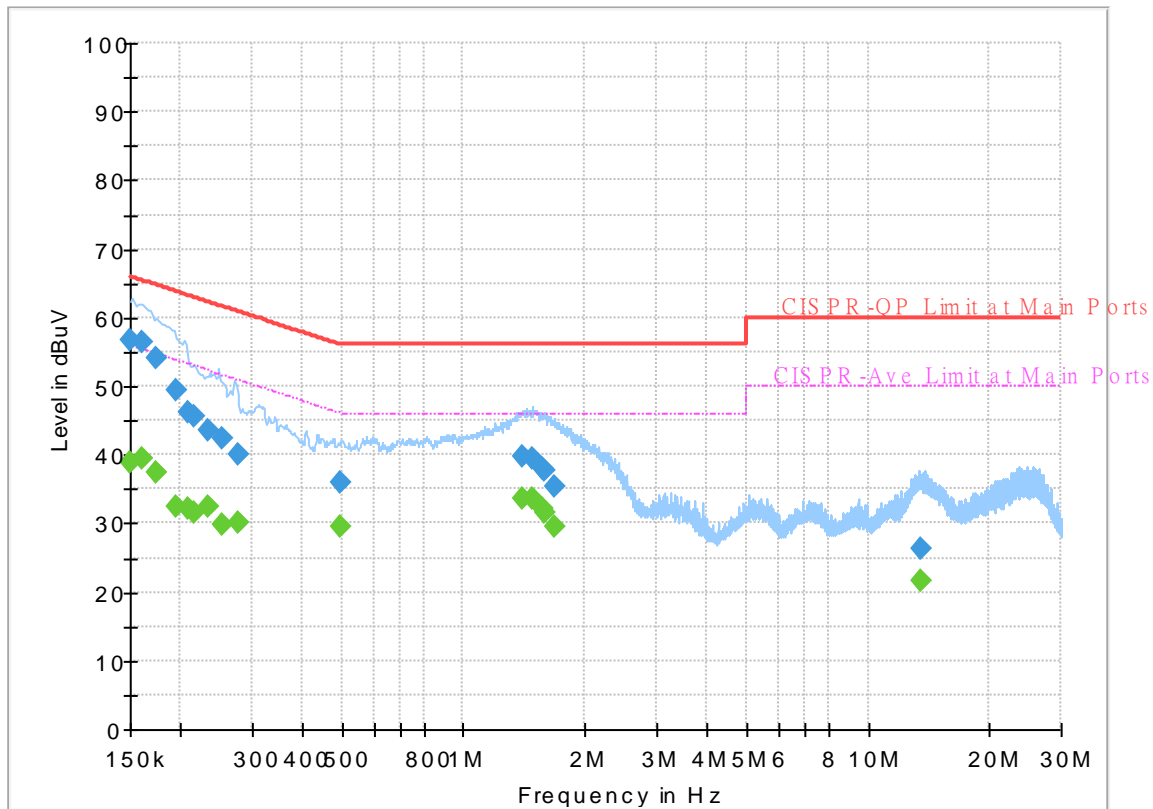
Appendix A. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	Temperature :	24~26°C
		Relative Humidity :	40~50%

EUT Information

Report NO : 042406-07
 Test Mode : Mode 5
 Test Voltage : Power From System
 Phase : Line

Full Spectrum



Final_Result

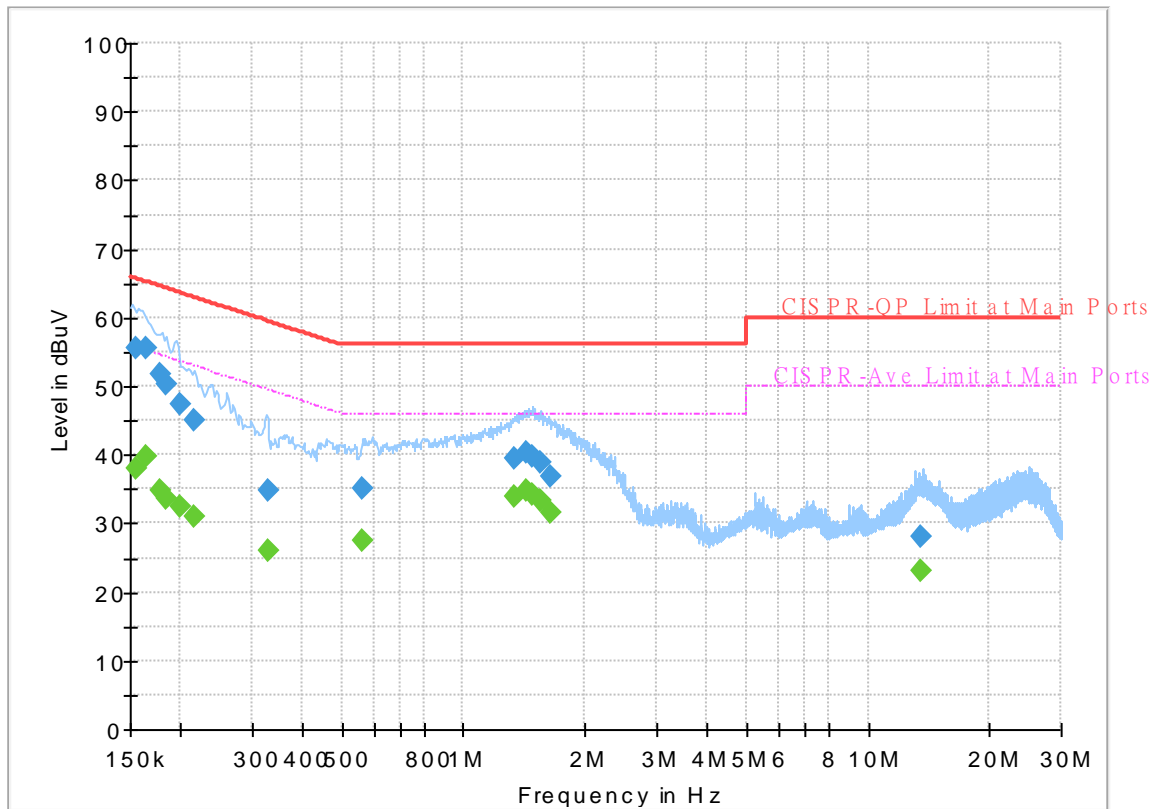
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150068	---	38.82	56.00	17.18	L1	OFF	19.5
0.150068	56.81	---	66.00	9.19	L1	OFF	19.5
0.161250	---	39.60	55.40	15.80	L1	OFF	19.5
0.161250	56.41	---	65.40	8.99	L1	OFF	19.5
0.174750	---	37.36	54.73	17.37	L1	OFF	19.5
0.174750	53.99	---	64.73	10.74	L1	OFF	19.5
0.194190	---	32.48	53.86	21.38	L1	OFF	19.5
0.194190	49.40	---	63.86	14.46	L1	OFF	19.5
0.208500	---	32.10	53.27	21.17	L1	OFF	19.5
0.208500	46.25	---	63.27	17.02	L1	OFF	19.5
0.216060	---	31.48	52.97	21.49	L1	OFF	19.5
0.216060	45.75	---	62.97	17.22	L1	OFF	19.5
0.233250	---	32.56	52.33	19.77	L1	OFF	19.5
0.233250	43.48	---	62.33	18.85	L1	OFF	19.5
0.253500	---	29.86	51.64	21.78	L1	OFF	19.5
0.253500	42.31	---	61.64	19.33	L1	OFF	19.5
0.276000	---	30.10	50.94	20.84	L1	OFF	19.5
0.276000	39.92	---	60.94	21.02	L1	OFF	19.5
0.499020	---	29.66	46.02	16.36	L1	OFF	19.5
0.499020	35.92	---	56.02	20.10	L1	OFF	19.5
1.395870	---	33.74	46.00	12.26	L1	OFF	19.6

1.395870	39.83	---	56.00	16.17	L1	OFF	19.6
1.479750	---	33.57	46.00	12.43	L1	OFF	19.6
1.479750	39.55	---	56.00	16.45	L1	OFF	19.6
1.560660	---	32.07	46.00	13.93	L1	OFF	19.6
1.560660	38.05	---	56.00	17.95	L1	OFF	19.6
1.585500	---	31.60	46.00	14.40	L1	OFF	19.6
1.585500	37.61	---	56.00	18.39	L1	OFF	19.6
1.689000	---	29.67	46.00	16.33	L1	OFF	19.6
1.689000	35.31	---	56.00	20.69	L1	OFF	19.6
13.560000	---	21.58	50.00	28.42	L1	OFF	19.8
13.560000	26.42	---	60.00	33.58	L1	OFF	19.8

EUT Information

Report NO : 042406-07
 Test Mode : Mode 5
 Test Voltage : Power From System
 Phase : Neutral

Full Spectrum



Final_Result

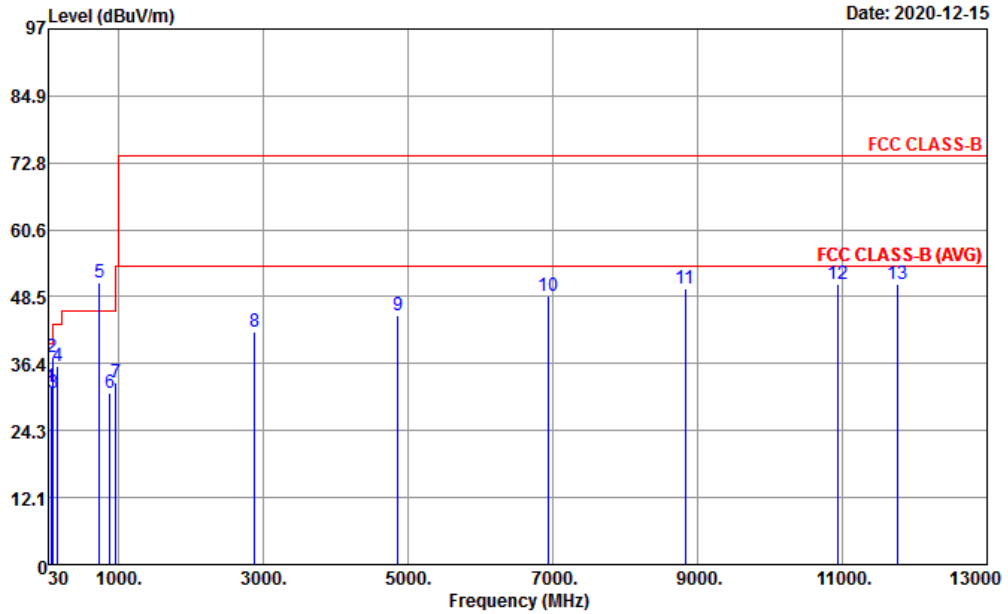
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.155805	---	38.00	55.69	17.69	N	OFF	19.5
0.155805	55.49	---	65.69	10.20	N	OFF	19.5
0.163590	---	39.72	55.28	15.56	N	OFF	19.5
0.163590	55.56	---	65.28	9.72	N	OFF	19.5
0.177000	---	34.76	54.63	19.87	N	OFF	19.5
0.177000	51.73	---	64.63	12.90	N	OFF	19.5
0.183750	---	33.64	54.31	20.67	N	OFF	19.5
0.183750	50.37	---	64.31	13.94	N	OFF	19.5
0.199500	---	32.60	53.63	21.03	N	OFF	19.5
0.199500	47.30	---	63.63	16.33	N	OFF	19.5
0.215610	---	31.03	52.99	21.96	N	OFF	19.5
0.215610	44.90	---	62.99	18.09	N	OFF	19.5
0.330000	---	25.92	49.45	23.53	N	OFF	19.5
0.330000	34.77	---	59.45	24.68	N	OFF	19.5
0.560040	---	27.51	46.00	18.49	N	OFF	19.5
0.560040	34.98	---	56.00	21.02	N	OFF	19.5
1.341240	---	33.91	46.00	12.09	N	OFF	19.6
1.341240	39.44	---	56.00	16.56	N	OFF	19.6
1.432050	---	34.71	46.00	11.29	N	OFF	19.6
1.432050	40.26	---	56.00	15.74	N	OFF	19.6
1.484340	---	34.24	46.00	11.76	N	OFF	19.6

1.484340	39.64	---	56.00	16.36	N	OFF	19.6
1.555440	---	33.29	46.00	12.71	N	OFF	19.6
1.555440	38.78	---	56.00	17.22	N	OFF	19.6
1.650300	---	31.56	46.00	14.44	N	OFF	19.6
1.650300	36.98	---	56.00	19.02	N	OFF	19.6
13.560000	---	22.98	50.00	27.02	N	OFF	19.8
13.560000	27.93	---	60.00	32.07	N	OFF	19.8



Appendix B. Radiated Emission Test Result

Test Engineer :	Donny Tang	Temperature :	23~24°C
		Relative Humidity :	65~67%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#5 is system simulator signal which can be ignored.		

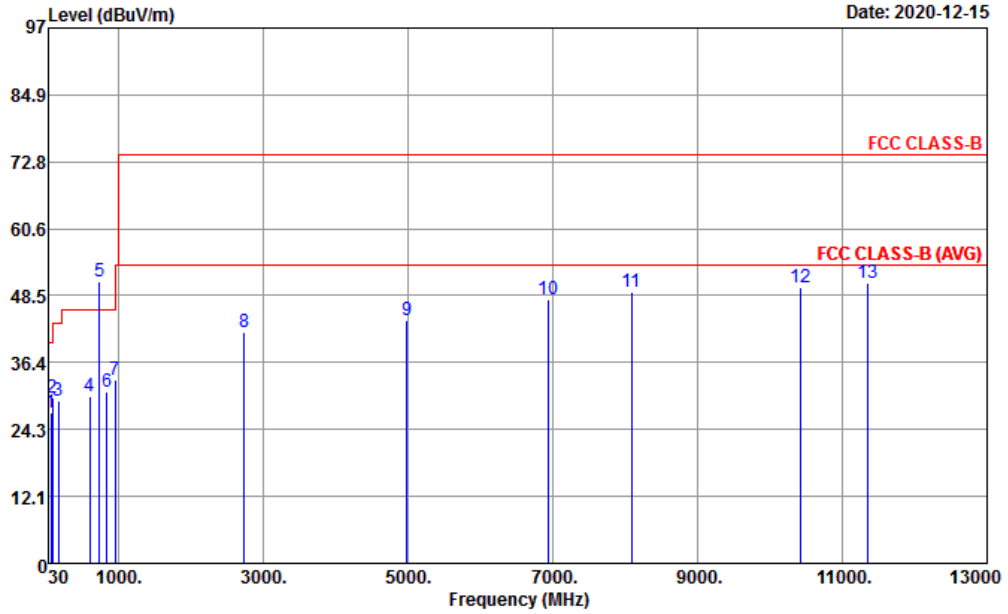


Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL
 Project : 042406-07
 Power : 120Vac/60Hz
 Mode : 4

	Freq	Level	Over Limit	Limit	Antenna Line Factor	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1	65.89	32.26	-7.74	40.00	12.07	51.88	0.93	32.62	---	---	Peak
2	82.38	37.45	-2.55	40.00	13.72	55.30	1.03	32.60	400	298	QP
3	98.87	30.99	-12.51	43.50	15.92	46.52	1.14	32.59	---	---	Peak
4	160.95	35.90	-7.60	43.50	16.52	50.49	1.43	32.54	---	---	Peak
5 *	737.50	51.11			27.75	52.75	3.05	32.44	---	---	Peak
6	885.54	31.14	-14.86	46.00	28.93	30.71	3.34	31.84	---	---	Peak
7	958.29	32.90	-13.10	46.00	30.64	29.91	3.49	31.14	---	---	Peak
8	2884.00	42.24	-31.76	74.00	28.07	65.81	6.38	58.02	---	---	Peak
9	4864.00	45.15	-28.85	74.00	30.97	64.08	8.59	58.49	---	---	Peak
10	6938.00	48.52	-25.48	74.00	34.98	62.15	10.98	59.59	---	---	Peak
11	8830.00	50.10	-23.90	74.00	37.64	61.11	11.97	60.62	---	---	Peak
12	10932.00	50.70	-23.30	74.00	40.07	56.27	13.46	59.10	---	---	Peak
13	11764.00	50.88	-23.12	74.00	38.71	57.37	14.11	59.31	100	0	Peak



Test Engineer :	Donny Tang	Temperature :	23~24°C
		Relative Humidity :	65~67%
Test Distance :	3m	Polarization :	Vertical
Remark :	#5 is system simulator signal which can be ignored.		



Site : 03CH10-HY
 Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL
 Project : 042406-07
 Power : 120Vac/60Hz
 Mode : 4

	Freq	Level	Over Limit	Limit	Antenna Line	Read Level	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dB/m	dBuV	dB	dB	cm	deg	
1	65.89	27.42	-12.58	40.00	12.07	47.04	0.93	32.62	---	---	Peak
2	82.38	30.06	-9.94	40.00	13.72	47.91	1.03	32.60	100	194	Peak
3	166.77	29.55	-13.95	43.50	15.98	44.64	1.46	32.53	---	---	Peak
4	600.36	30.36	-15.64	46.00	25.61	34.55	2.73	32.53	---	---	Peak
5 *	737.50	50.95			27.75	52.59	3.05	32.44	---	---	Peak
6	839.95	31.20	-14.80	46.00	28.86	31.19	3.26	32.11	---	---	Peak
7	951.50	33.18	-12.82	46.00	30.75	30.16	3.48	31.21	---	---	Peak
8	2736.00	41.97	-32.03	74.00	27.87	65.86	6.17	57.93	---	---	Peak
9	4986.00	44.01	-29.99	74.00	31.22	62.69	8.60	58.50	---	---	Peak
10	6938.00	47.75	-26.25	74.00	34.98	61.38	10.98	59.59	---	---	Peak
11	8092.00	49.17	-24.83	74.00	37.00	60.43	11.54	59.80	---	---	Peak
12	10418.00	50.03	-23.97	74.00	39.50	57.56	13.05	60.08	---	---	Peak
13	11360.00	50.70	-23.30	74.00	39.52	56.32	13.79	58.93	100	130	Peak