FCC Test Report

APPLICANT	:	Bullitt Group
EQUIPMENT	:	Rugged Smart Phone
BRAND NAME	:	CAT
MODEL NAME	:	S31
FCC ID	:	ZL5S31
STANDARD	:	FCC 47 CFR FCC Part 15 Subpart B
CLASSIFICATION	:	Certification

The product was received on Aug. 06, 2017 and testing was completed on Sep. 15, 2017. We, SPORTON INTERNATIONAL INC., 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., the test report shall not be reproduced except in full.

Louis Wu

Reviewed by: Louis Wu / Manager

Jones Tsai

Approved by: Jones Tsai / Manager

Testing Laboratory 1190

SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC770420-02	Rev. 01	Initial issue of report	Sep. 28, 2017

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	Under limit 11.70 dB at 0.198 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 3.04 dB at 30.000 MHz for Quasi-Peak

1. General Description

1.1. Applicant

Bullitt Group
One Valpy, Valpy Street, Reading, Berkshire, England RG1 1AR

1.2. Manufacturer

Compal Electronics, INC.
No. 385, Yangguang St. Neihu District, Taipei City 11491, Taiwan, R.O.C

1.3. Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, FM Receiver, and GPS

Product Specification subjective to this standard	
Antenna Type	WWAN: Coupling type (LDS) Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS / Glonass / BDS: PIFA Antenna FM: Integral Antenna (Earphone acting as FM antenna deemed as an integral antenna)

<Sample information>

S31 has 2 different Variant	
Sample 1	Dual SIM
Sample 2	Single SIM
For Dual-SIM or Single-SIM control by SW, The HW difference is SIM holder	

Remark: All test items were performed with Sample 1.

1.4. Modification of EUT

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

1.5. Test Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1093 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	**Sporton Site No.**	
	CO05-HY	03CH06-HY

1.6. 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
- 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

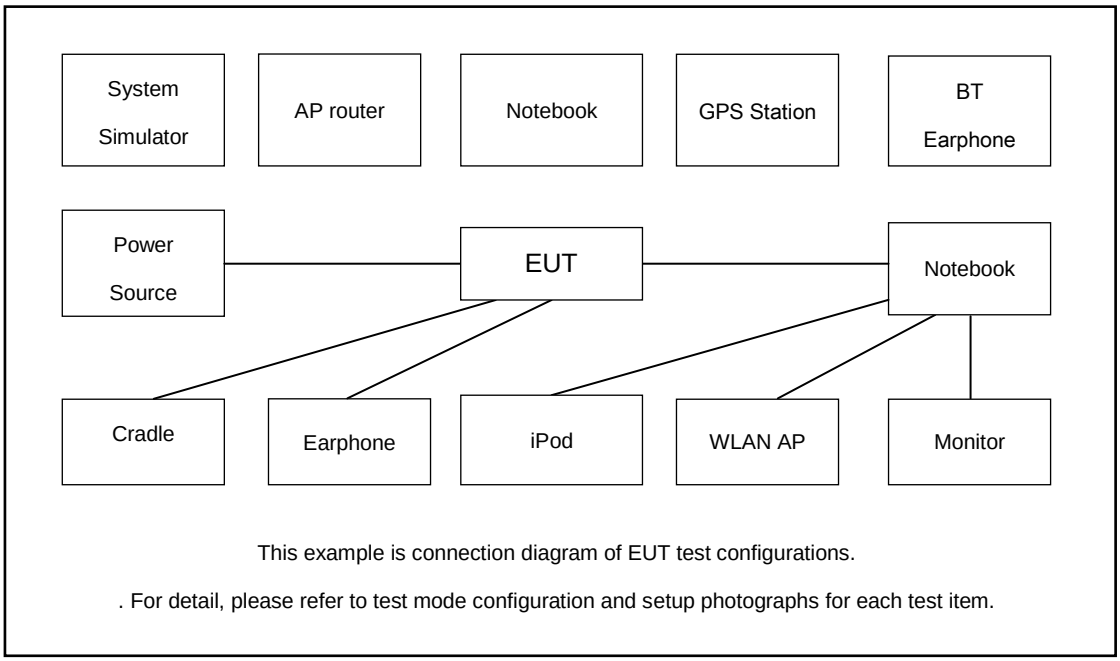
2.1. Test Mode

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: GSM850 Idle + Bluetooth Idle + WLAN Idle + NFC on + MPEG4 + Earphone + Battery + USB Cable (Charging from Adapter) + SIM 1 Mode 2: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + NFC on + Camera (Front) + Earphone + Battery + USB Cable (Charging from Adapter) + SIM 1 Mode 3: LTE Band 12 Idle + Bluetooth Idle + WLAN Idle + NFC on + Camera (Rear) + Earphone + Battery + USB Cable (Charging from Adapter) + SIM 1 Mode 4: LTE Band 7 Idle + Bluetooth Idle + WLAN Idle + NFC on + FM Rx (98MHz) + Earphone + Battery + USB Cable (Charging from Adapter) + SIM 1 Mode 5: Flight mode + Earphone + Battery + USB Cable (Data Link with Notebook) + SIM 1 Mode 6: Flight mode + Earphone + Battery + USB Cable (Data Link with Notebook) + SIM 2
Radiated Emissions	Mode 1: GSM850 Idle + Bluetooth Idle + WLAN Idle + MPEG4 + Earphone + Battery + USB Cable (Charging from Adapter) + SIM 1 Mode 2: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + Camera (Front) + Earphone + Battery + USB Cable (Charging from Adapter) + SIM 1 Mode 3: LTE Band 12 Idle + Bluetooth Idle + WLAN Idle + Camera (Rear) + Earphone + Battery + USB Cable (Charging from Adapter) + SIM 1 Mode 4: LTE Band 7 Idle + Bluetooth Idle + WLAN Idle + FM Rx (98MHz) + Earphone + Battery + USB Cable (Charging from Adapter) + SIM 1 Mode 5: Flight mode + Earphone + Battery + USB Cable (Data Link with Notebook) + SIM 1 Mode 6: GSM850 Idle + Bluetooth Idle + WLAN Idle + MPEG4 + Earphone + Battery + USB Cable (Charging from Adapter) + 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 1; only the test data of this mode was reported. 3. The USB Link mode of RE is mode 5; the 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



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
4.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,1.8m
5.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
6.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
7.	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 to the BCCH, and is in continuous receiving mode by setting system simulator's paging reorganization.

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 Laptop and EUT via USB cable.
2. Execute "Video Player" to play MPEG4 files.
3. Turn on FM function.
4. Turn on GPS function to make the EUT receive continuous signals from system simulator.
5. Turn on camera to capture images.

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.

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.

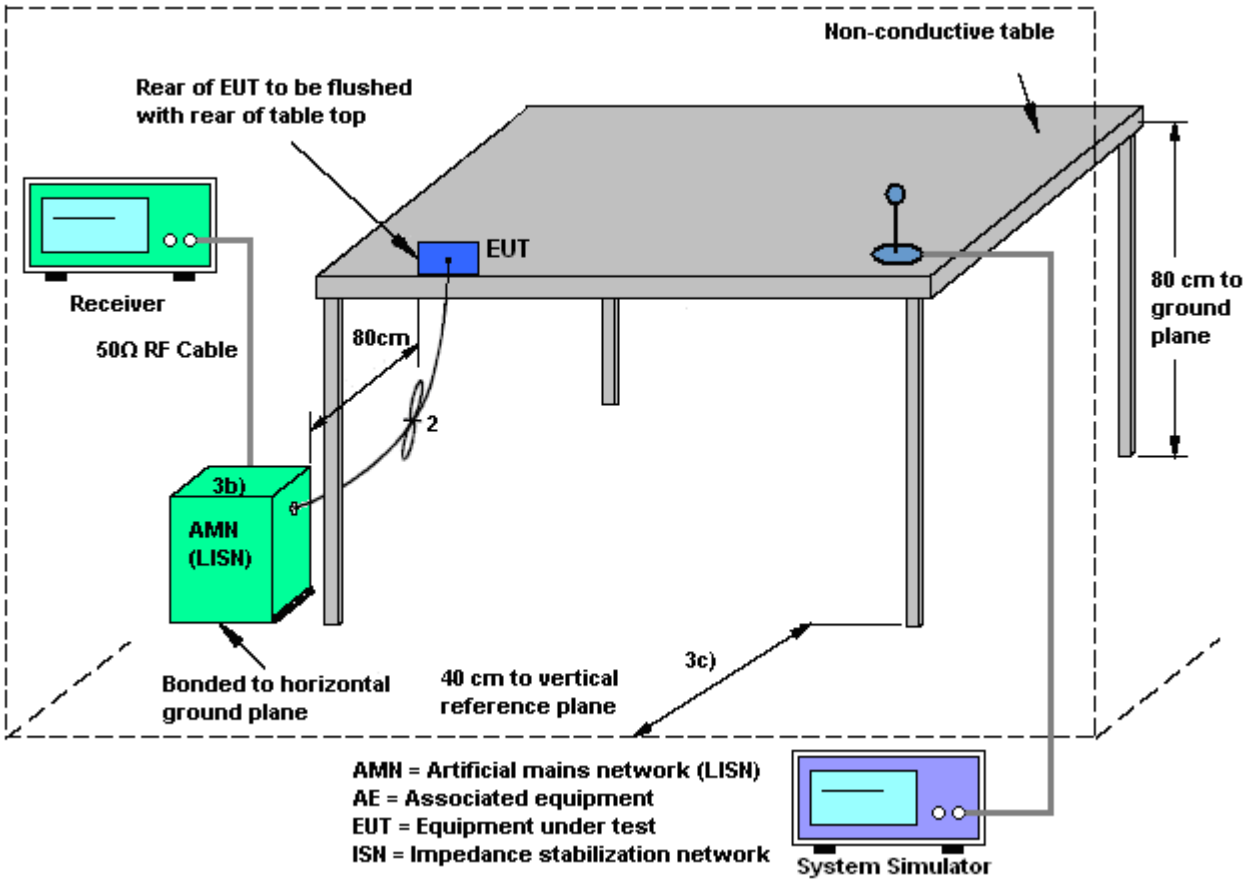
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedure

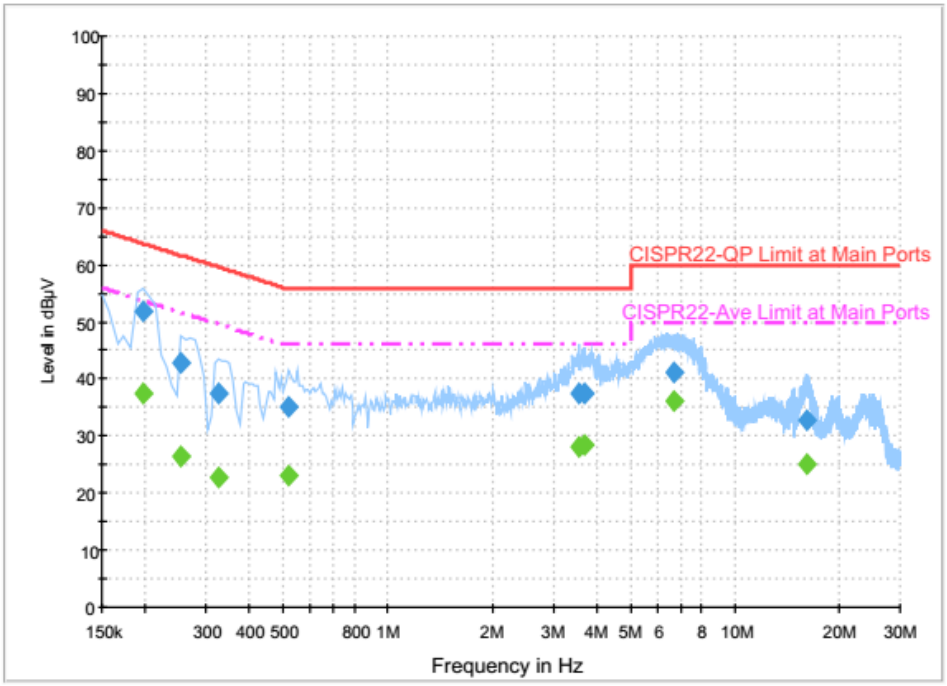
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
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

Test Engineer :	Shareef Yu	**Temperature :**	26~27℃
		Relative Humidity :	58~62%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line



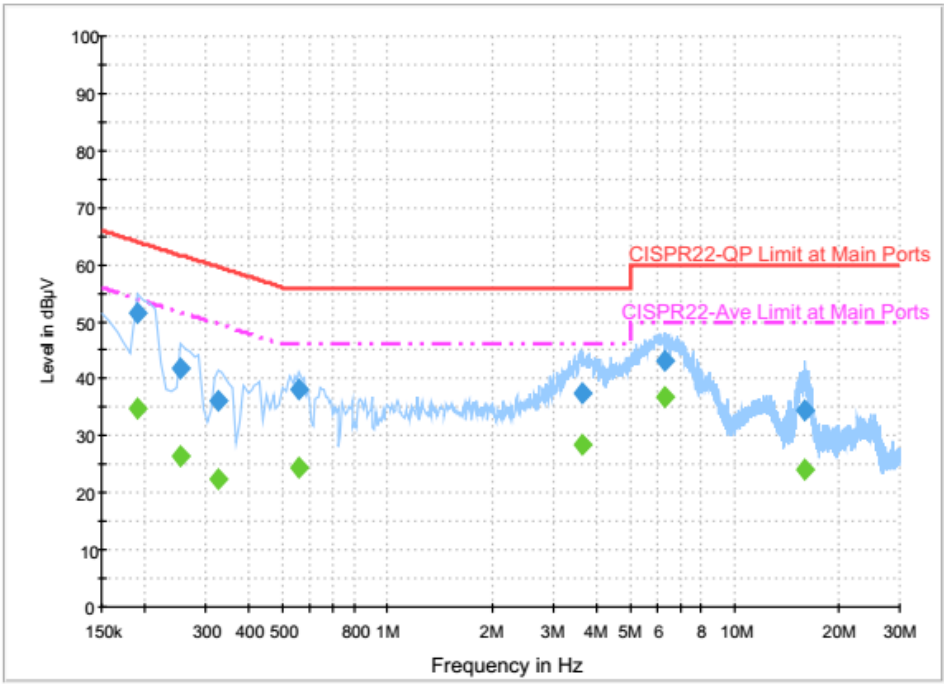
Final Result : Quasi-Peak

Frequency (MHz)	Quasi-Peak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.198000	52.0	Off	L1	19.5	11.7	63.7
0.254000	42.8	Off	L1	19.5	18.8	61.6
0.326000	37.3	Off	L1	19.5	22.3	59.6
0.518000	35.0	Off	L1	19.5	21.0	56.0
3.566000	37.5	Off	L1	19.6	18.5	56.0
3.702000	37.5	Off	L1	19.6	18.5	56.0
6.662000	41.0	Off	L1	19.6	19.0	60.0
16.182000	32.6	Off	L1	19.7	27.4	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.198000	37.5	Off	L1	19.5	16.2	53.7
0.254000	26.3	Off	L1	19.5	25.3	51.6
0.326000	22.8	Off	L1	19.5	26.8	49.6
0.518000	23.2	Off	L1	19.5	22.8	46.0
3.566000	28.2	Off	L1	19.6	17.8	46.0
3.702000	28.6	Off	L1	19.6	17.4	46.0
6.662000	36.0	Off	L1	19.6	14.0	50.0
16.182000	25.0	Off	L1	19.7	25.0	50.0

Test Engineer :	Shareef Yu	Temperature :	26~27℃
		Relative Humidity :	58~62%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral



Final Result : Quasi-Peak

Frequency (MHz)	Quasi-Peak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.190000	51.5	Off	N	19.5	12.5	64.0
0.254000	41.9	Off	N	19.5	19.7	61.6
0.326000	36.2	Off	N	19.5	23.4	59.6
0.558000	38.0	Off	N	19.5	18.0	56.0
3.646000	37.6	Off	N	19.5	18.4	56.0
6.302000	43.2	Off	N	19.6	16.8	60.0
15.974000	34.6	Off	N	19.8	25.4	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.190000	34.7	Off	N	19.5	19.3	54.0
0.254000	26.6	Off	N	19.5	25.0	51.6
0.326000	22.5	Off	N	19.5	27.1	49.6
0.558000	24.4	Off	N	19.5	21.6	46.0
3.646000	28.4	Off	N	19.5	17.6	46.0
6.302000	36.8	Off	N	19.6	13.2	50.0
15.974000	24.0	Off	N	19.8	26.0	50.0

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:

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

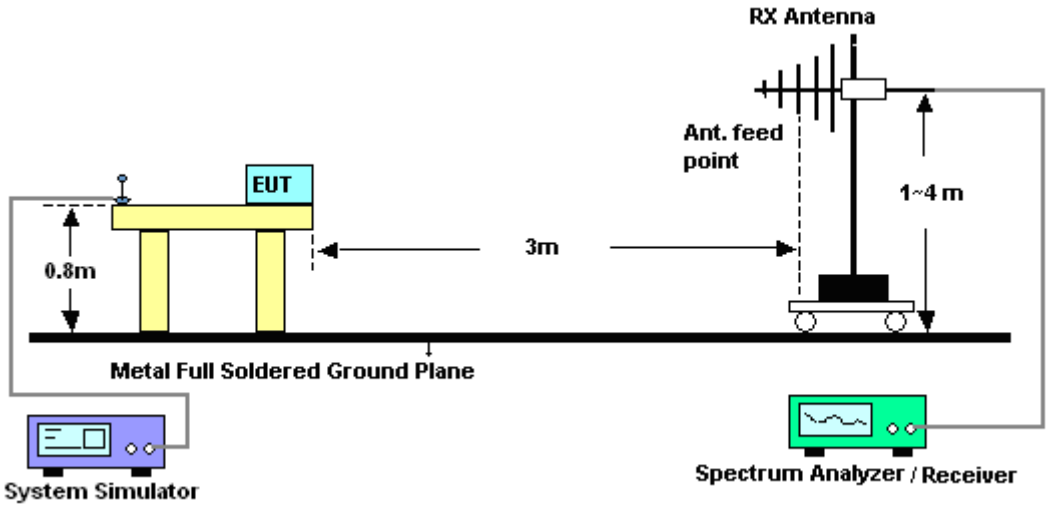
The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

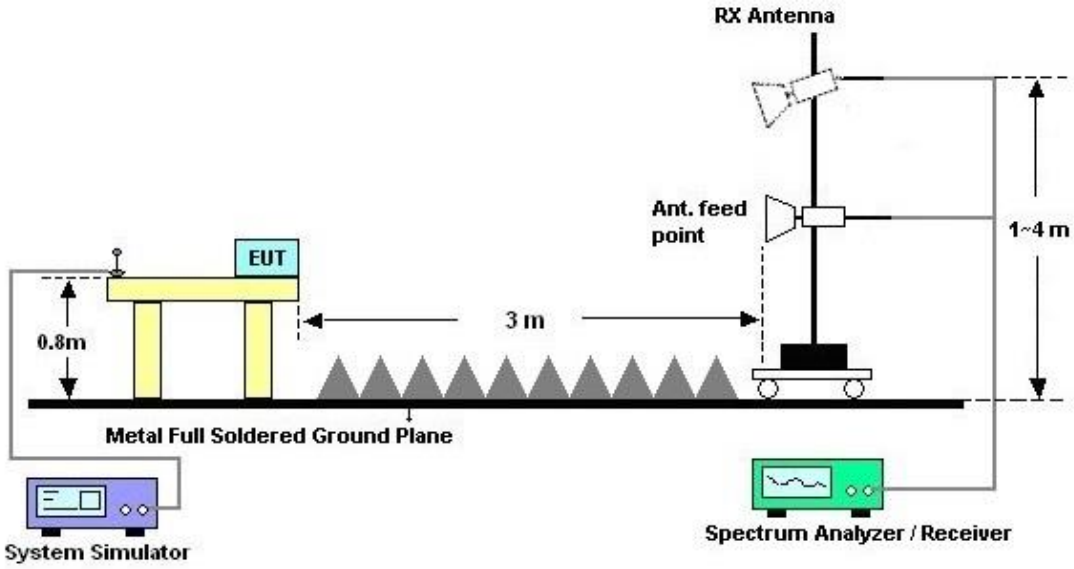
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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

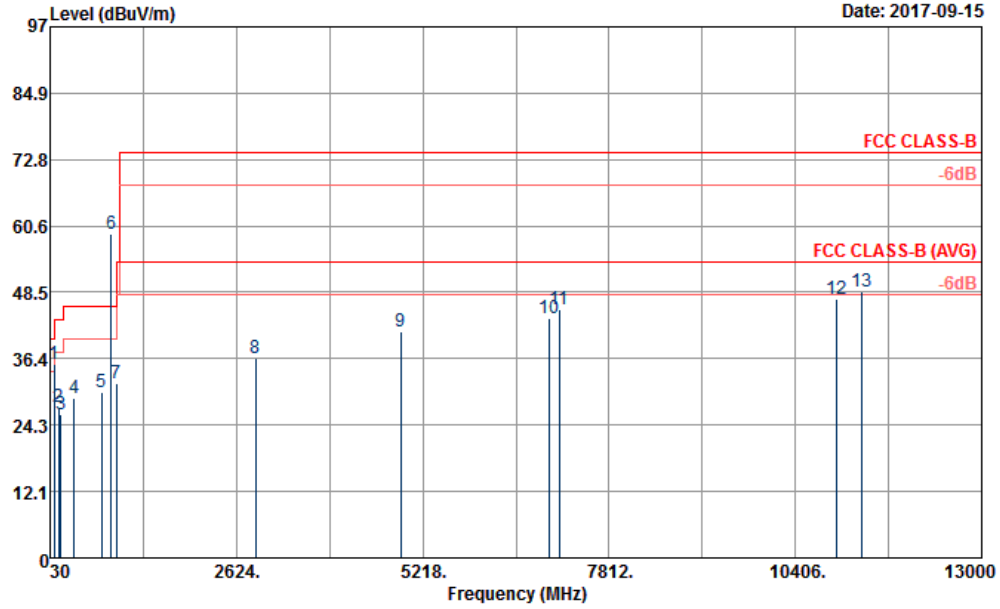


For radiated emissions above 1GHz



3.2.5. Test Result of Radiated Emission

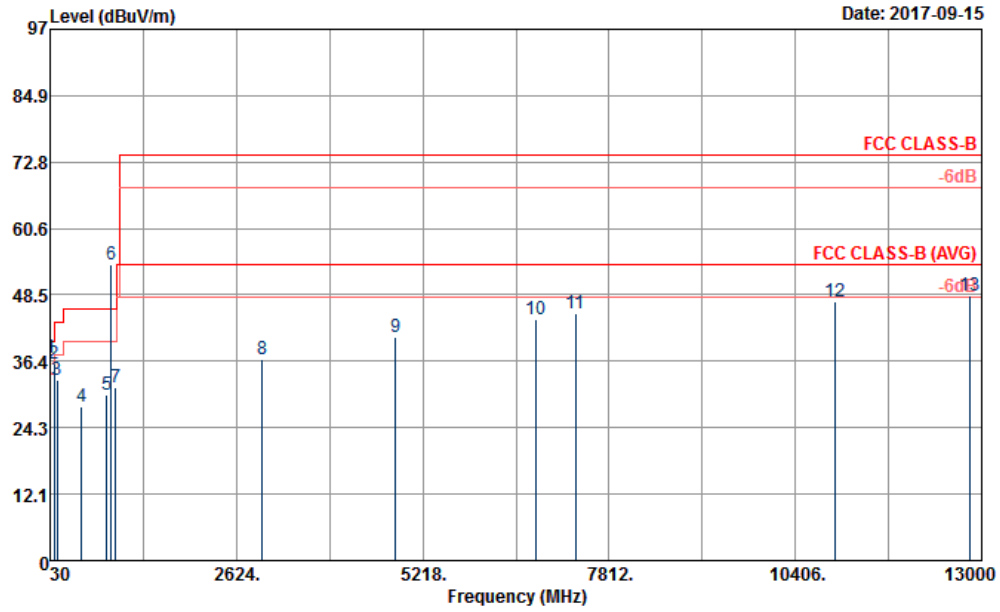
Test Mode :	Mode 1	**Temperature :**	26~27°C
Test Engineer :	Kai-Chun Chu and Donny Tang	**Relative Humidity :**	51~53%
Test Distance :	3m	**Polarization :**	Horizontal
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH06-HY
Condition : FCC CLASS-B 3m 9120D_1522_170807 HORIZONTAL
Project : 770420-02
Power : 120Vac/60Hz
Memo : Mode 1

		Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1		83.46	35.45	-4.55	40.00	51.70	13.57	2.00	31.82	382	282	QP
2		149.88	27.64	-15.86	43.50	40.32	16.99	2.12	31.79	---	---	Peak
3		174.99	26.32	-17.18	43.50	40.95	15.13	2.02	31.78	---	---	Peak
4		369.30	29.07	-16.93	46.00	37.77	20.73	2.35	31.78	---	---	Peak
5		750.10	30.23	-15.77	46.00	30.60	28.27	3.40	32.04	---	---	Peak
6	*	881.70	59.12			58.17	29.22	3.36	31.63	---	---	Peak
7		956.60	31.87	-14.13	46.00	28.83	31.03	3.06	31.05	---	---	Peak
8		2896.00	36.44	-37.56	74.00	61.32	28.66	7.69	61.23	---	---	Peak
9		4912.00	41.33	-32.67	74.00	57.93	31.94	10.73	59.27	---	---	Peak
10		6988.00	43.82	-30.18	74.00	54.02	36.26	12.75	59.21	---	---	Peak
11		7120.00	45.43	-28.57	74.00	55.20	36.64	12.77	59.18	---	---	Peak
12		10974.00	47.28	-26.72	74.00	48.35	39.76	16.24	57.07	---	---	Peak
13		11334.00	48.65	-25.35	74.00	48.54	40.20	16.58	56.67	100	135	Peak

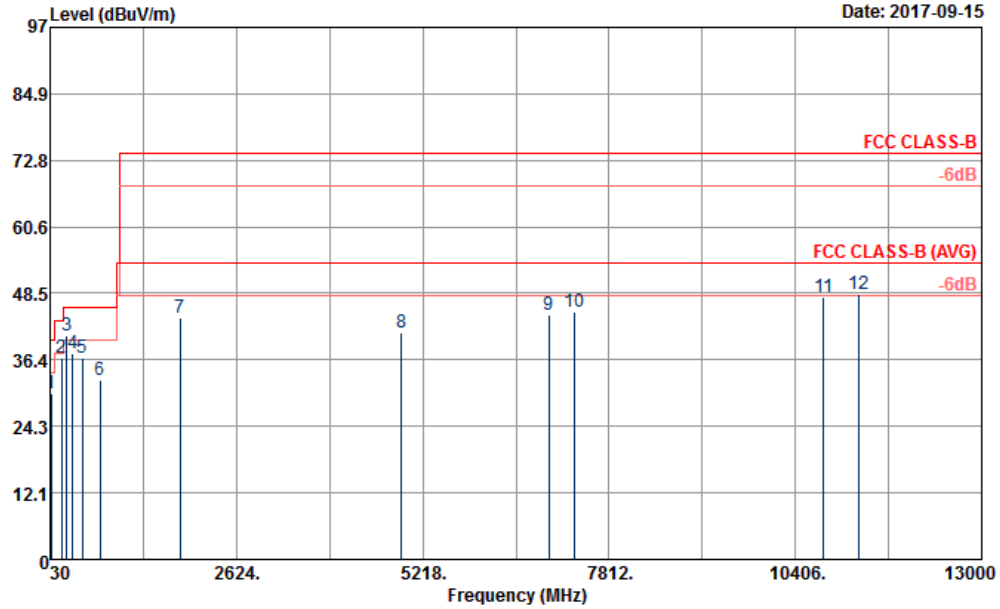
Test Mode :	Mode 1	Temperature :	26~27°C
Test Engineer :	Kai-Chun Chu and Donny Tang	Relative Humidity :	51~53%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored.		



Site : 03CH06-HY
Condition : FCC CLASS-B 3m 9120D_1522_170807 VERTICAL
Project : 770420-02
Power : 120Vac/60Hz
Memo : Mode 1

		Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1		30.00	36.96	-3.04	40.00	42.60	24.30	1.90	31.84	100	159	QP
2		81.84	35.82	-4.18	40.00	52.23	13.36	2.05	31.82	---	---	Peak
3		130.71	33.01	-10.49	43.50	45.09	17.64	2.08	31.80	---	---	Peak
4		468.00	28.02	-17.98	46.00	33.52	23.55	2.83	31.88	---	---	Peak
5		822.90	30.17	-15.83	46.00	29.84	28.87	3.34	31.88	---	---	Peak
6	*	881.70	54.04			53.09	29.22	3.36	31.63	---	---	Peak
7		943.30	31.63	-14.37	46.00	28.89	30.81	3.10	31.17	---	---	Peak
8		2986.00	36.67	-37.33	74.00	61.24	28.86	7.86	61.29	---	---	Peak
9		4838.00	40.81	-33.19	74.00	57.69	31.82	10.77	59.47	---	---	Peak
10		6784.00	44.12	-29.88	74.00	55.14	35.76	12.51	59.29	---	---	Peak
11		7344.00	45.02	-28.98	74.00	53.75	37.27	13.13	59.13	---	---	Peak
12		10962.00	47.22	-26.78	74.00	48.36	39.72	16.21	57.07	---	---	Peak
13		12840.00	48.42	-25.58	74.00	49.99	39.50	17.71	58.78	100	158	Peak

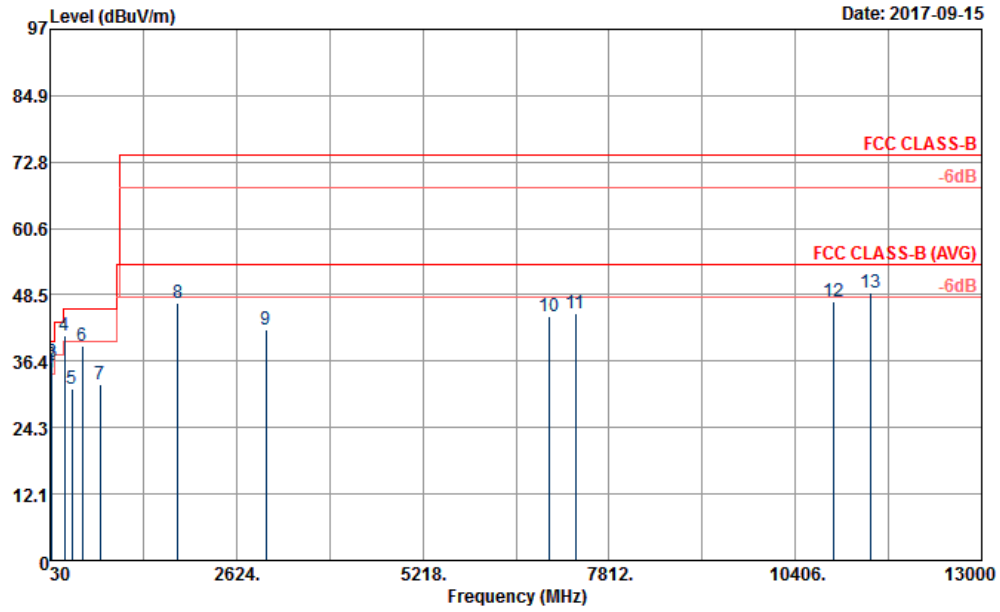
Test Mode :	Mode 5	Temperature :	26~27°C
Test Engineer :	Kai-Chun Chu and Donny Tang	Relative Humidity :	51~53%
Test Distance :	3m	Polarization :	Horizontal



Site : 03CH06-HY
Condition : FCC CLASS-B 3m 9120D_1522_170807 HORIZONTAL
Project : 770420-02
Power : Power From System
Memo : Mode 5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	46.74	30.15	-9.85	40.00	44.53	15.61	1.85	31.84	---	---	Peak
2	189.03	36.67	-6.83	43.50	51.79	14.69	1.96	31.77	---	---	Peak
3	265.98	40.80	-5.20	46.00	50.74	19.58	2.23	31.75	100	131	Peak
4	342.00	37.43	-8.57	46.00	46.88	20.07	2.25	31.77	---	---	Peak
5	479.90	36.65	-9.35	46.00	41.96	23.73	2.86	31.90	---	---	Peak
6	721.40	32.83	-13.17	46.00	33.84	27.64	3.43	32.08	---	---	Peak
7	1836.00	44.01	-29.99	74.00	73.10	25.93	5.95	60.97	---	---	Peak
8	4922.00	41.27	-32.73	74.00	57.81	31.98	10.71	59.23	---	---	Peak
9	6978.00	44.55	-29.45	74.00	54.77	36.26	12.73	59.21	---	---	Peak
10	7336.00	45.07	-28.93	74.00	53.86	37.27	13.07	59.13	---	---	Peak
11	10794.00	47.77	-26.23	74.00	49.88	39.30	16.07	57.48	---	---	Peak
12	11294.00	48.40	-25.60	74.00	48.40	40.16	16.55	56.71	100	160	Peak

Test Mode :	Mode 5	Temperature :	26~27°C
Test Engineer :	Kai-Chun Chu and Donny Tang	Relative Humidity :	51~53%
Test Distance :	3m	Polarization :	Vertical



Site : 03CH06-HY
Condition : FCC CLASS-B 3m 9120D_1522_170807 VERTICAL
Project : 770420-02
Power : Power From System
Memo : Mode 5

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	32.97	34.38	-5.62	40.00	41.60	22.71	1.91	31.84	100	217	QP
2	46.74	35.62	-4.38	40.00	50.00	15.61	1.85	31.84	100	79	QP
3	52.41	36.27	-3.73	40.00	52.71	13.27	2.13	31.84	100	61	QP
4	226.56	41.14	-4.86	46.00	54.95	15.86	2.09	31.76	---	---	Peak
5	337.10	31.34	-14.66	46.00	40.90	19.95	2.25	31.76	---	---	Peak
6	479.90	39.20	-6.80	46.00	44.51	23.73	2.86	31.90	---	---	Peak
7	722.10	32.08	-13.92	46.00	33.05	27.68	3.43	32.08	---	---	Peak
8	1810.00	46.93	-27.07	74.00	76.07	25.92	5.90	60.96	---	---	Peak
9	3040.00	42.09	-31.91	74.00	66.57	28.89	7.94	61.31	---	---	Peak
10	6980.00	44.57	-29.43	74.00	54.79	36.26	12.73	59.21	---	---	Peak
11	7340.00	45.14	-28.86	74.00	53.87	37.27	13.13	59.13	---	---	Peak
12	10942.00	47.16	-26.84	74.00	48.41	39.68	16.21	57.14	---	---	Peak
13	11448.00	48.93	-25.07	74.00	48.45	40.34	16.70	56.56	100	107	Peak

4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Sep. 08, 2017 ~ Sep. 09, 2017	N/A	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 29, 2016	Sep. 08, 2017 ~ Sep. 09, 2017	Nov. 28, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 06, 2016	Sep. 08, 2017 ~ Sep. 09, 2017	Dec. 05, 2017	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Dec. 29, 2016	Sep. 08, 2017 ~ Sep. 09, 2017	Dec. 28, 2017	Conduction (CO05-HY)
Bilog Antenna	Schaffner	CBL6111C&N-6-06	2725&AT-N0601	30MHz~1GHz	Oct. 15, 2016	Sep. 14, 2017 ~ Sep. 15, 2017	Oct. 14, 2017	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Dec. 29, 2016	Sep. 14, 2017 ~ Sep. 15, 2017	Dec. 28, 2017	Radiation (03CH06-HY)
Preamplifier	SONOMA	310N	186713	9kHz~1GHz	Apr. 25, 2017	Sep. 14, 2017 ~ Sep. 15, 2017	Apr. 24, 2018	Radiation (03CH06-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1850117	1GHz ~ 18GHz	May 22, 2017	Sep. 14, 2017 ~ Sep. 15, 2017	May 21, 2018	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF780208212	1m~4m	N/A	Sep. 14, 2017 ~ Sep. 15, 2017	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Sep. 14, 2017 ~ Sep. 15, 2017	N/A	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Mar. 17, 2017	Sep. 14, 2017 ~ Sep. 15, 2017	Mar. 16, 2018	Radiation (03CH06-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))	**2.7**

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.9**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.7**