



FCC EMI TEST REPORT

FCC ID : PY7-58237R
Equipment : GSM/WCDMA/LTE Phone with BT, DTS/UNII
a/b/g/n/ac, NFC, FM receiver and GNSS
Brand Name : SONY
Applicant : Sony Corporation
1-7-1 Konan Minato-ku Tokyo, 108-0076 Japan
Manufacturer : Sony Corporation
1-7-1 Konan Minato-ku Tokyo, 108-0076 Japan
Standard : FCC 47 CFR FCC Part 15 Subpart B Class B
Test Date(s) : Dec. 27, 2021 ~ Dec. 30, 2021

We, Sporton International Inc. (Kunshan), 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. (Kunshan), the test report shall not be reproduced except in full.

Reviewed by: Jason Jia / Supervisor

Approved by: Alex Wang / Manager



Sporton International Inc. (Kunshan)

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



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History of this test report

Report No.	Version	Description	Issued Date
FC1D0404	01	Initial issue of report	Mar. 01, 2022
FC1D0404	02	Page 37-38, added radiated test marker #8	Mar. 07, 2022

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 4.53 dB at 13.560 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 4.05 dB at 41.640 MHz

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.

1. General Description

1.1. Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, DTS/UNII a/b/g/n/ac, NFC, FM Receiver, and GNSS

Product Specification subjective to this standard	
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS/Glonass/Galileo/BDS: PIFA Antenna NFC: Loop Antenna FM : External antenna

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

EUT Information List			
HW Version	SW Version	IMEI Code	Performed Test Item
A	0.166	004402543113660/ 004402543113678	Conducted Emission
		004402543113686 004402543113694	Radiated Emission

Accessory List	
AC Adapter	Model Name : UCH-32
Earphone	Model Name : MDR-EX15AP
USB Cable 1	Model Name : UCB24
USB Cable 2	Model Name : A8485011

Note:

- Above EUT list used are electrically identical per declared by manufacturer.
- For other wireless features of this EUT, test report will be issued separately.

1.2. Modification of EUT

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

1.3. Test Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO01-KS 03CH06-KS	CN1257	314309

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

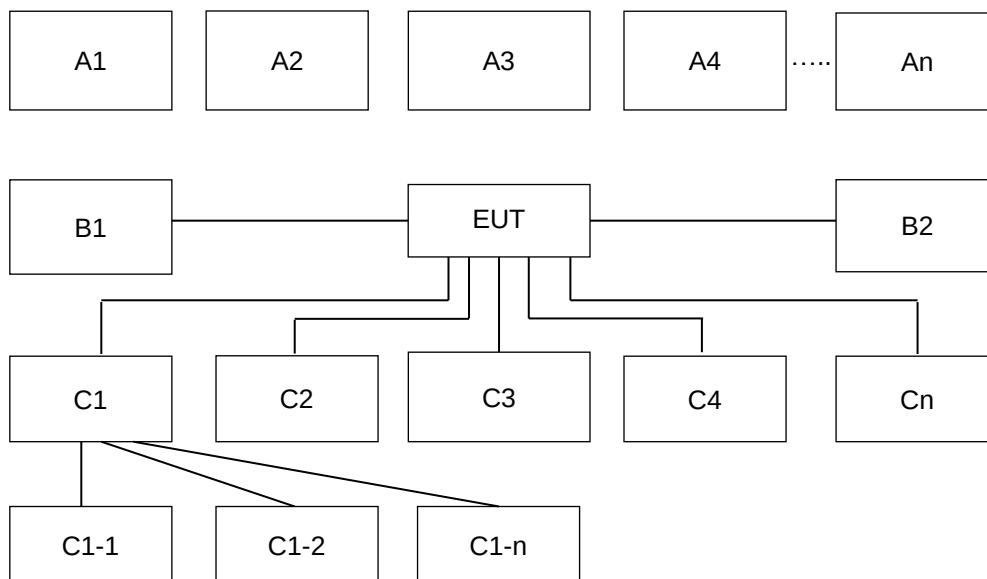
2.1. Test Mode

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: GSM850 (Middle Channel) Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (2.4GHz) Idle + Camera (Rear) + Earphone + USB Cable 1(Charging from Adapter)
	Mode 2: WCDMA Band V (Lowest Channel) Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (5GHz) Idle + Camera (Front) + Earphone + USB Cable 2(Charging from Adapter)
	Mode 3: GSM1900 Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (2.4GHz) Idle + MPEG 4 + Earphone + USB Cable 1(Charging from Adapter)
	Mode 4: LTE Band 12 (Highest Channel) Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (5GHz) Idle + NFC On + Earphone + USB Cable 1(Charging from Adapter)
	Mode 5: LTE Band 41 Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (2.4GHz) Idle + FM Rx(98MHz) + Earphone + USB Cable 1(Data Link with Notebook)
	Mode 6: LTE Band 12 (Highest Channel) Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (5GHz) Idle + GNSS Rx + Earphone + USB Cable 2(Data Link with Notebook)
Radiated Emissions	Mode 1: GSM850 (Middle Channel) Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (2.4GHz) Idle + Camera (Rear) + Earphone + USB Cable 1(Charging from Adapter)
	Mode 2: WCDMA Band V (Lowest Channel) Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (5GHz) Idle + Camera (Front) + Earphone + USB Cable 2(Charging from Adapter)
	Mode 3: GSM1900 Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (2.4GHz) Idle + MPEG 4 + Earphone + USB Cable 1(Charging from Adapter)
	Mode 4: LTE Band 12 (Highest Channel) Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (5GHz) Idle + NFC On + Earphone + USB Cable 1(Charging from Adapter)
	Mode 5: LTE Band 41 Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (2.4GHz) Idle + FM Rx(88MHz) + Earphone + USB Cable 1(Data Link with Notebook)
	Mode 6: GSM850 (Middle Channel) Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (5GHz) Idle + GNSS Rx + Earphone + USB Cable 2(Data Link with Notebook)
Remark: - After pre-scanned the L/M/H channel for all frequency band which operate within the frequency range of 30MHz ~ 960MHz (GSM850/WCDMA Band V/LTE Band 12/FM); only the worst channel for them between 30MHz ~ 960MHz test data of this mode was reported. - Data Link with Notebook means data application transferred mode between EUT and Notebook. - For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.	

2.2. Connection Diagram of Test System



Conduction Test Setup								
No.	Wireless Station	Connection Type	Test Mode					
			1	2	3	4	5	6
A1	System Simulator	GSM/WCDMA/LTE/FM	X	X	X	X	X	X
A2	BT Earphone	Bluetooth	X	X	X	X	X	X
A3	GPS/Glonass Station	GNSS						X
A4	Signal Generator	FM					X	
A5	AP router	WiFi	X	X	X	X	X	X
A6	Notebook	WiFi	X	X	X	X	X	X
No.	Power Source	Connection Type	1	2	3	4	5	6
B1	AC : 120V/60Hz	AC Power Cable	X	X	X	X		
No.	Setup Peripherals	Connection Type	1	2	3	4	5	6
C1	Notebook	USB link					X	X
C2	SD Card	SD I/O interface without cable	X	X	X	X	X	X
C3	Earphone	Earphone jack	X	X	X	X	X	X
C1-1	Ipod/HD/U Disk	USB					X	X
C1-2	Router	LAN Link					X	X

Radiated Test Setup								
No.	Wireless Station	Connection Type	Test Mode					
			1	2	3	4	5	6
A1	System Simulator	GSM/WCDMA/LTE	X	X	X	X	X	X
A2	Earphone	Bluetooth	X	X	X	X	X	X
A3	Signal Generator	GNSS						X
A4	Signal Generator	FM					X	
A5	AP router	WiFi	X	X	X	X	X	X
A6	Notebook	WiFi	X	X	X	X	X	X
No.	Power Source	Connection Type	1	2	3	4	5	6
B1	AC : 120V/60Hz	AC Power Cable	X	X	X	X		
No.	Setup Pripherals	Connection Type	1	2	3	4	5	6
C1	Notebook	USB link					X	X
C2	SD Card	SD I/O interface without cable	X	X	X	X	X	X
C3	Earphone	Earphone jack	X	X	X	X	X	X
C1-1	Hard Disk	USB					X	X
C1-2	Router	LAN Link					X	X

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	Anritus	MT8821C	N/A	N/A	Unshielded,1.8m
2.	System Simulator	Anritus	MT8820C	N/A	N/A	Unshielded,1.8m
3.	GNSS Station	R&S	SMBV100A	N/A	N/A	Unshielded,1.8m
4.	FM Station	R&S	SMBV100A	258305	N/A	N/A
5.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded,1.8m
6.	WLAN AP	TP-Link	TL-WDR5600	N/A	N/A	Unshielded,1.8m
7.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
8.	Notebook	Lenovo	S730-13IWL	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
9.	SD Card	Kingston	8GB	N/A	N/A	N/A
10.	Hard Disk	Lenovo	F310	DoC	Shielded, 1.2m	N/A
11.	Hard disk	KINGSHARE	KSP6120G	Fcc DoC	Shielded, 1.2m	N/A
12.	Bluetooth Earphone	Sony	SBH82D	PY7-33726V	N/A	N/A



2.4. EUT Operation Test Setup

The EUT was in WWAN idle mode during the test. 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 Laptop and EUT via USB cable.
2. Execute "GNSS Test" to make the EUT receive continuous signals from GNSS station.
3. Execute "Video player" to play MPEG4 files.
4. Turn on camera to capture images.
5. Turn on NFC function
6. Execute "FM Test" to make the EUT receive continuous signals from FM station.

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.

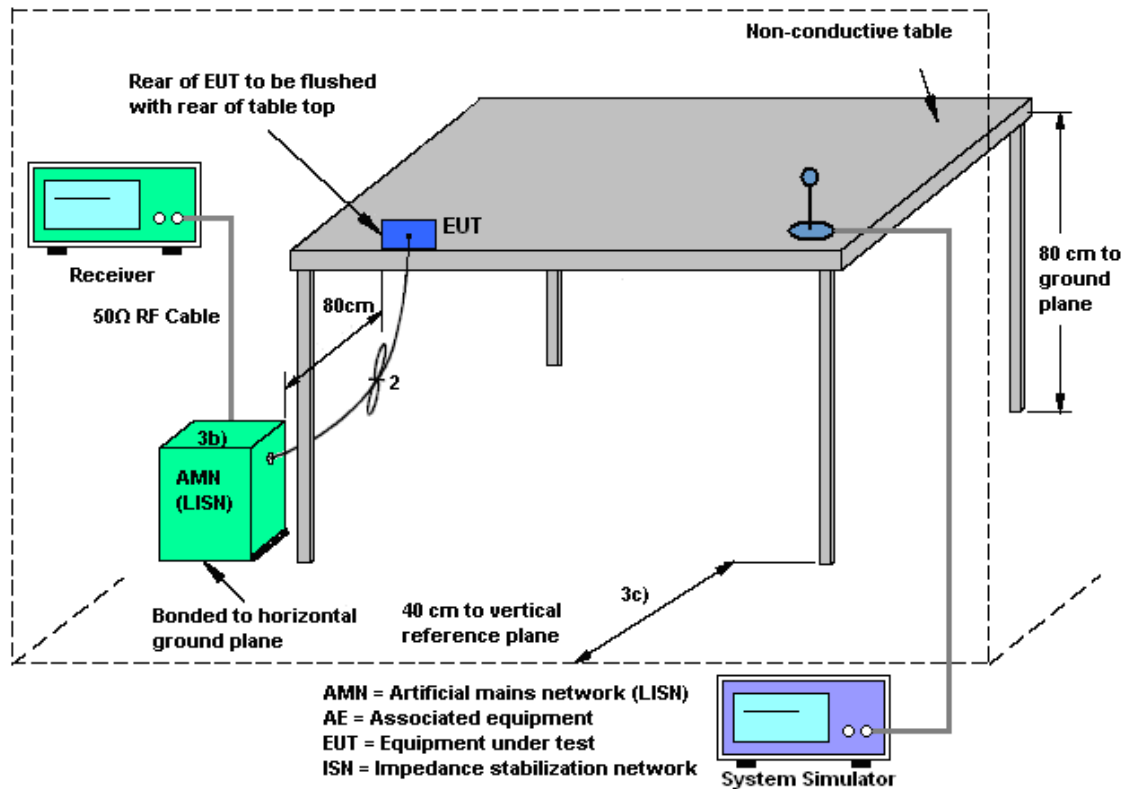
3.1.2. Measuring Instruments

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 shall 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

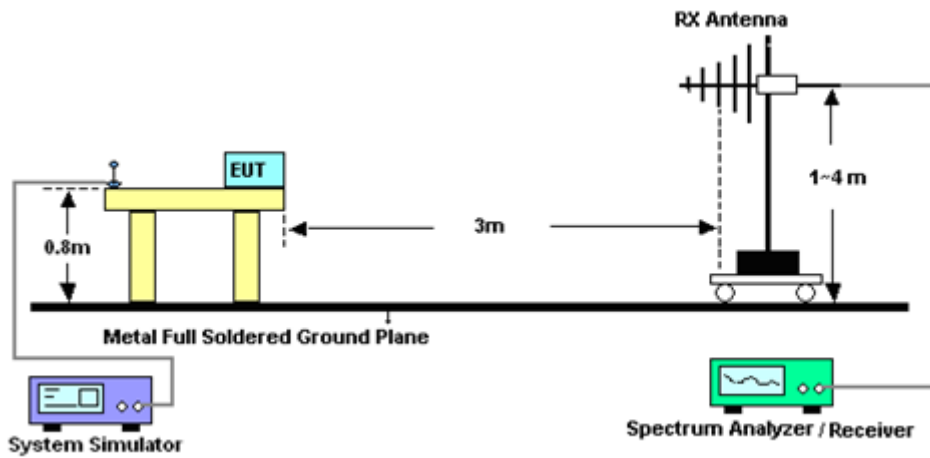
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

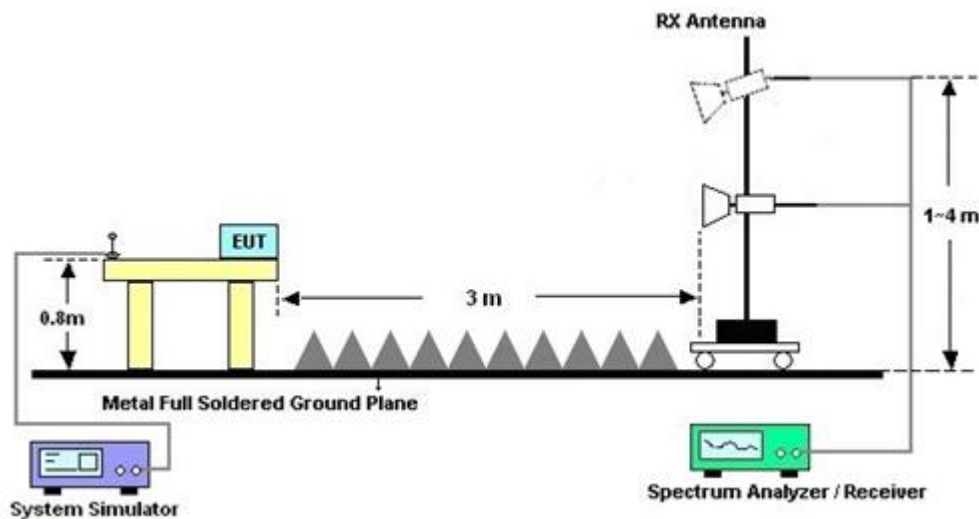
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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=120 kHz/VBW=300 kHz for frequency below 1 GHz; RBW=1 MHz VBW=3 MHz (Peak), RBW=1 MHz/VBW=10 Hz (Average) for frequency above 1 GHz).
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
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 21, 2021	Dec. 27, 2021	Apr. 20, 2022	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 14, 2021	Dec. 27, 2021	Oct. 13, 2022	Conduction (CO01-KS)
AC LISN	R&S	ENV216	100334	9kHz~30MHz	Oct. 14, 2021	Dec. 27, 2021	Oct. 13, 2022	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 14, 2021	Dec. 27, 2021	Oct. 13, 2022	Conduction (CO01-KS)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz;M ax 30dBm	Oct. 16, 2021	Dec. 30, 2021	Oct. 15, 2022	Radiation (03CH06-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150208	10Hz~44GHz	Apr. 12, 2021	Dec. 30, 2021	Apr. 11, 2022	Radiation (03CH06-KS)
Bilog Antenna	TeseQ	CBL6111D	49921	30MHz~1GHz	May 27, 2021	Dec. 30, 2021	May 26, 2022	Radiation (03CH06-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00218652	1GHz~18GHz	Apr. 25, 2021	Dec. 30, 2021	Apr. 24, 2022	Radiation (03CH06-KS)
SHF-EHF Horn	Com-power	AH-840	101093	18GHz~40GHz	Jan. 06, 2021	Dec. 30, 2021	Jan. 05, 2022	Radiation (03CH06-KS)
Amplifier	SONOMA	310N	187289	9KHz ~1GHZ	Apr. 12, 2021	Dec. 30, 2021	Apr. 11, 2022	Radiation (03CH06-KS)
Amplifier	Keysight	83017A	MY53270203	500MHz~26.5G Hz	Apr. 13, 2021	Dec. 30, 2021	Apr. 12, 2022	Radiation (03CH06-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 06, 2021	Dec. 30, 2021	Jan. 05, 2022	Radiation (03CH06-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Dec. 30, 2021	NCR	Radiation (03CH06-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Dec. 30, 2021	NCR	Radiation (03CH06-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Dec. 30, 2021	NCR	Radiation (03CH06-KS)

NCR: No Calibration Required

5. Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.9dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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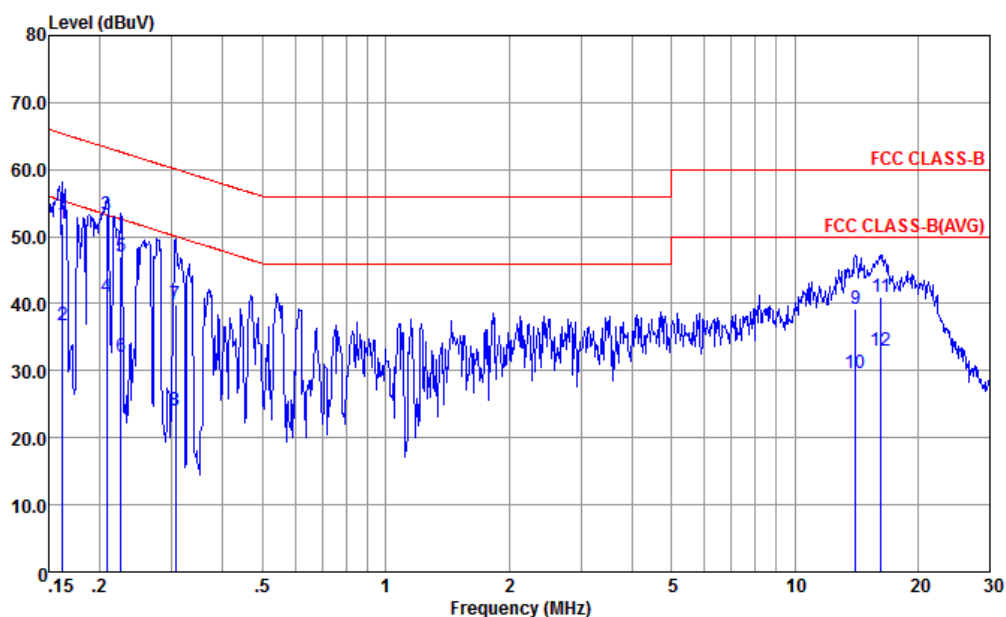
Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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Appendix A. AC Conducted Emission Test Results

Mode :	Mode 1	Temperature :	25.3~26.2°C
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

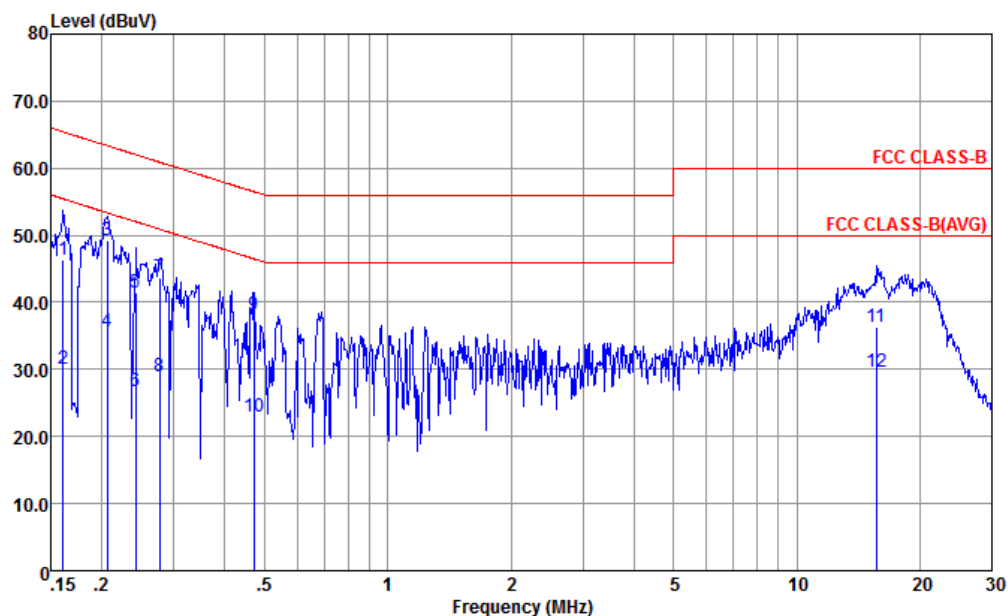


Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-L LINE
Project : (FC) 1D0404
mode : Mode 1

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.162	51.97	-13.37	65.34	41.49	0.03	10.45	QP
2	0.162	36.67	-18.67	55.34	26.19	0.03	10.45	Average
3 *	0.208	53.20	-10.07	63.27	42.80	0.04	10.36	QP
4	0.208	40.90	-12.37	53.27	30.50	0.04	10.36	Average
5	0.226	47.00	-15.61	62.61	36.60	0.05	10.35	QP
6	0.226	32.20	-20.41	52.61	21.80	0.05	10.35	Average
7	0.307	39.88	-20.18	60.06	29.51	0.07	10.30	QP
8	0.307	23.98	-26.08	50.06	13.61	0.07	10.30	Average
9	14.063	39.27	-20.73	60.00	28.59	0.29	10.39	QP
10	14.063	29.57	-20.43	50.00	18.89	0.29	10.39	Average
11	16.226	40.97	-19.03	60.00	30.20	0.35	10.42	QP
12	16.226	32.87	-17.13	50.00	22.10	0.35	10.42	Average



Mode :	Mode 1	Temperature :	25.3~26.2°C
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

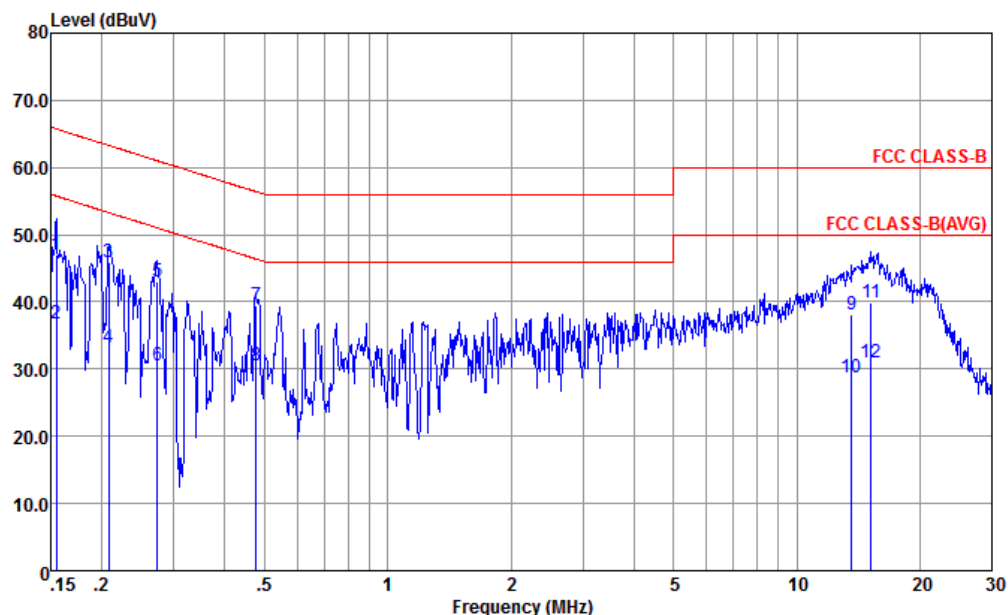


Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-N NEUTRAL
Project : (FC) 1D0404
mode : Mode 1

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.161	46.36	-19.07	65.43	35.80	0.11	10.45	QP
2	0.161	30.16	-25.27	55.43	19.60	0.11	10.45	Average
3 *	0.206	49.26	-14.10	63.36	38.80	0.10	10.36	QP
4	0.206	35.66	-17.70	53.36	25.20	0.10	10.36	Average
5	0.242	41.54	-20.50	62.04	31.10	0.10	10.34	QP
6	0.242	26.64	-25.40	52.04	16.20	0.10	10.34	Average
7	0.277	43.62	-17.28	60.90	33.20	0.10	10.32	QP
8	0.277	28.92	-21.98	50.90	18.50	0.10	10.32	Average
9	0.471	38.15	-18.34	56.49	27.80	0.11	10.24	QP
10	0.471	22.95	-23.54	46.49	12.60	0.11	10.24	Average
11	15.635	36.35	-23.65	60.00	25.60	0.34	10.41	QP
12	15.635	29.65	-20.35	50.00	18.90	0.34	10.41	Average



Mode :	Mode 2	Temperature :	25.3~26.2°C
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

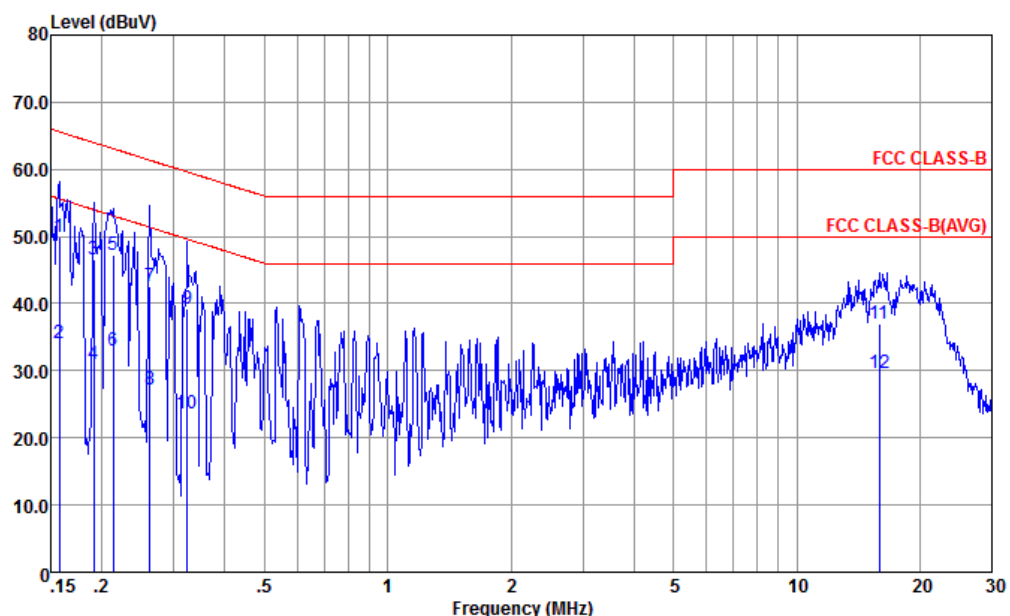


Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-L LINE
Project : (FC) 1D0404
mode : Mode 2

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.155	47.09	-18.65	65.74	36.60	0.02	10.47	QP
2	0.155	36.79	-18.95	55.74	26.30	0.02	10.47	Average
3	0.208	46.00	-17.27	63.27	35.60	0.04	10.36	QP
4	0.208	33.30	-19.97	53.27	22.90	0.04	10.36	Average
5	0.273	42.98	-18.05	61.03	32.60	0.06	10.32	QP
6	0.273	30.58	-20.45	51.03	20.20	0.06	10.32	Average
7	0.476	39.54	-16.87	56.41	29.20	0.10	10.24	QP
8 *	0.476	30.64	-15.77	46.41	20.30	0.10	10.24	Average
9	13.623	38.16	-21.84	60.00	27.50	0.28	10.38	QP
10	13.623	28.76	-21.24	50.00	18.10	0.28	10.38	Average
11	15.226	39.90	-20.10	60.00	29.19	0.31	10.40	QP
12	15.226	31.00	-19.00	50.00	20.29	0.31	10.40	Average



Mode :	Mode 2	Temperature :	25.3~26.2°C
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

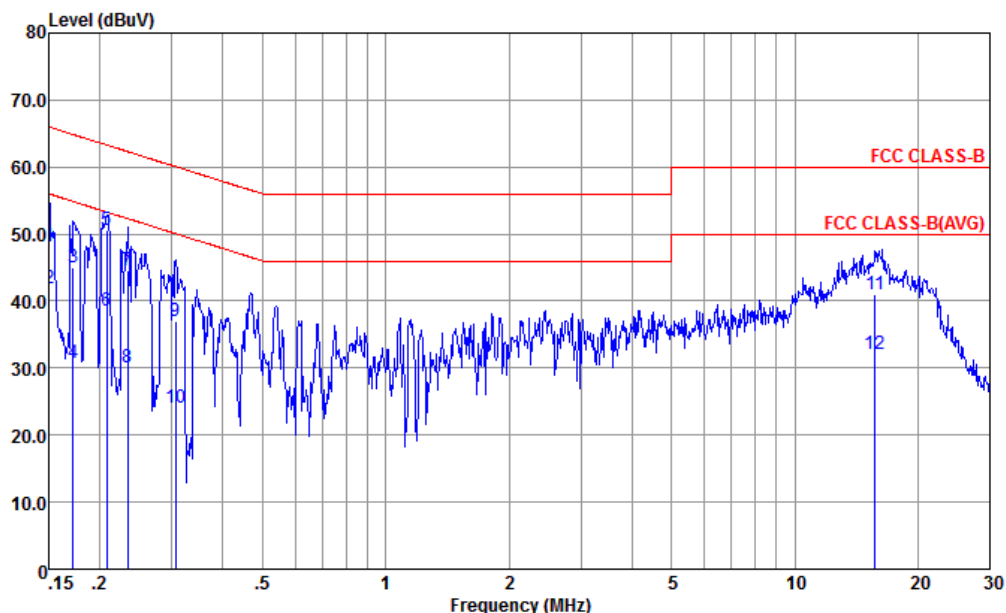


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-N NEUTRAL
 Project : (FC) 1D0404
 mode : Mode 2

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.157	49.87	-15.73	65.60	39.30	0.11	10.46	QP
2	0.157	34.17	-21.43	55.60	23.60	0.11	10.46	Average
3	0.191	46.68	-17.30	63.98	36.20	0.10	10.38	QP
4	0.191	31.08	-22.90	53.98	20.60	0.10	10.38	Average
5	0.213	47.26	-15.84	63.10	36.80	0.10	10.36	QP
6	0.213	32.96	-20.14	53.10	22.50	0.10	10.36	Average
7	0.262	42.63	-18.75	61.38	32.20	0.10	10.33	QP
8	0.262	27.23	-24.15	51.38	16.80	0.10	10.33	Average
9	0.323	39.20	-20.42	59.62	28.80	0.10	10.30	QP
10	0.323	23.60	-26.02	49.62	13.20	0.10	10.30	Average
11	15.885	36.97	-23.03	60.00	26.20	0.35	10.42	QP
12	15.885	29.67	-20.33	50.00	18.90	0.35	10.42	Average



Mode :	Mode 3	Temperature :	25.3~26.2°C
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

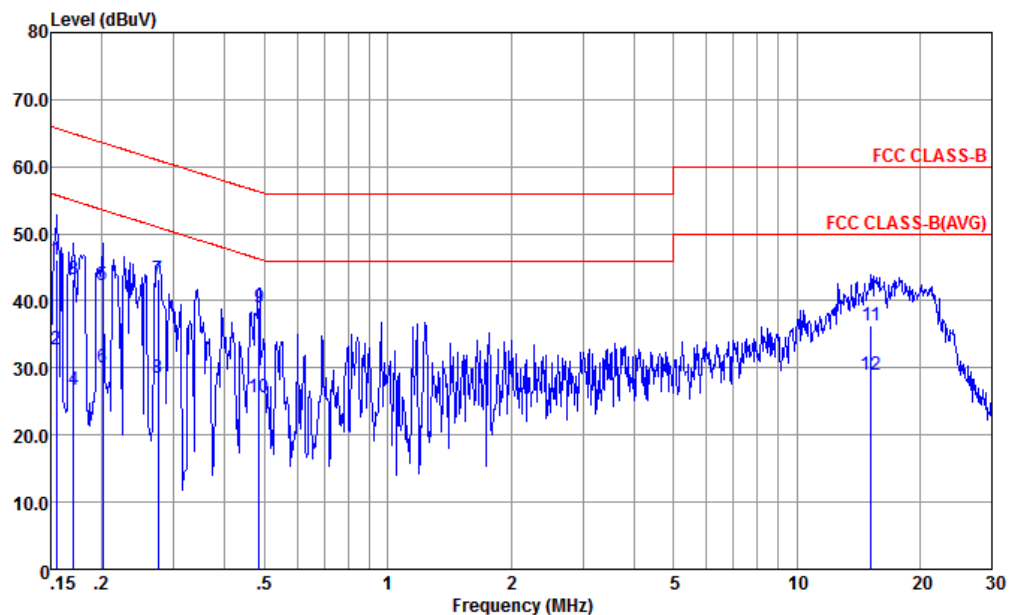


Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-L LINE
Project : (FC) 1D0404
mode : Mode 3

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.150	48.10	-17.90	66.00	37.60	0.02	10.48	QP
2	0.150	42.00	-14.00	56.00	31.50	0.02	10.48	Average
3	0.172	45.05	-19.81	64.86	34.60	0.03	10.42	QP
4	0.172	30.75	-24.11	54.86	20.30	0.03	10.42	Average
5 *	0.208	50.60	-12.67	63.27	40.20	0.04	10.36	QP
6	0.208	38.60	-14.67	53.27	28.20	0.04	10.36	Average
7	0.234	44.69	-17.71	62.30	34.20	0.05	10.34	QP
8	0.234	29.99	-22.31	52.30	19.60	0.05	10.34	Average
9	0.307	36.98	-23.08	60.06	26.61	0.07	10.30	QP
10	0.307	23.98	-26.08	50.06	13.61	0.07	10.30	Average
11	15.718	40.94	-19.06	60.00	30.20	0.33	10.41	QP
12	15.718	32.04	-17.96	50.00	21.30	0.33	10.41	Average



Mode :	Mode 3	Temperature :	25.3~26.2℃
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

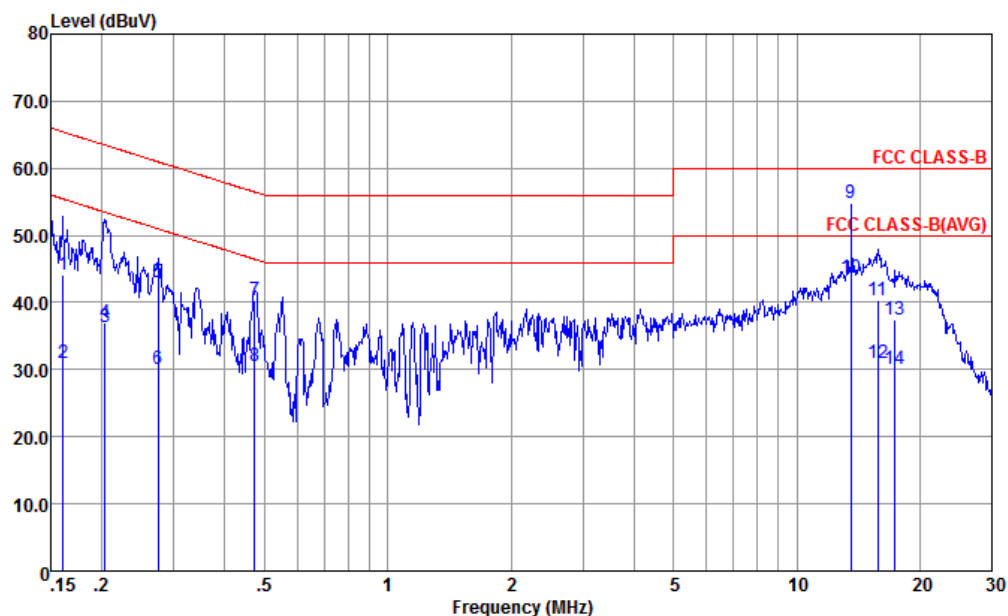


Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-N NEUTRAL
Project : (FC) 1D0404
mode : Mode 3

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.155	46.07	-19.67	65.74	35.49	0.11	10.47	QP
2	0.155	32.67	-23.07	55.74	22.09	0.11	10.47	Average
3	0.170	43.13	-21.81	64.94	32.59	0.11	10.43	QP
4	0.170	26.63	-28.31	54.94	16.09	0.11	10.43	Average
5	0.201	42.36	-21.22	63.58	31.90	0.10	10.36	QP
6	0.201	30.06	-23.52	53.58	19.60	0.10	10.36	Average
7	0.274	43.22	-17.76	60.98	32.80	0.10	10.32	QP
8	0.274	28.62	-22.36	50.98	18.20	0.10	10.32	Average
9 *	0.484	38.95	-17.32	56.27	28.60	0.11	10.24	QP
10	0.484	25.55	-20.72	46.27	15.20	0.11	10.24	Average
11	15.226	36.21	-23.79	60.00	25.49	0.32	10.40	QP
12	15.226	28.91	-21.09	50.00	18.19	0.32	10.40	Average



Mode :	Mode 4	Temperature :	25.3~26.2°C
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

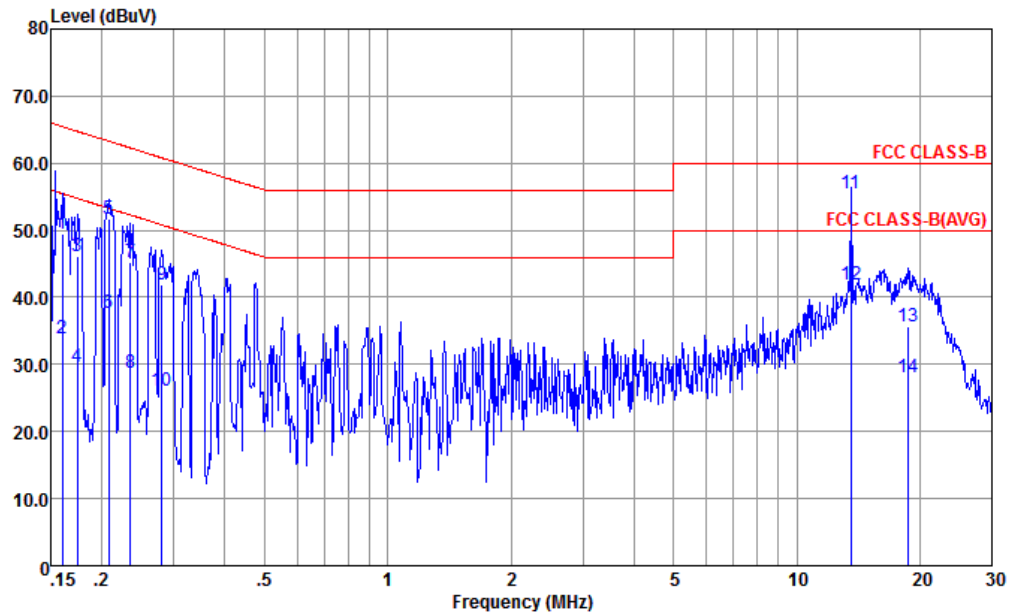


Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-L LINE
Project : (FC) 1D0404
mode : Mode 4

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.161	44.08	-21.35	65.43	33.61	0.02	10.45	QP
2	0.161	31.08	-24.35	55.43	20.61	0.02	10.45	Average
3	0.204	36.40	-27.05	63.45	26.00	0.04	10.36	QP
4	0.204	36.90	-16.55	53.45	26.50	0.04	10.36	Average
5	0.274	42.98	-18.00	60.98	32.60	0.06	10.32	QP
6	0.274	29.98	-21.00	50.98	19.60	0.06	10.32	Average
7	0.474	40.24	-16.21	56.45	29.90	0.10	10.24	QP
8	0.474	30.54	-15.91	46.45	20.20	0.10	10.24	Average
9 *	13.560	54.86	-5.14	60.00	44.20	0.28	10.38	QP
10	13.560	43.76	-6.24	50.00	33.10	0.28	10.38	Average
11	15.801	40.35	-19.65	60.00	29.61	0.33	10.41	QP
12	15.801	31.05	-18.95	50.00	20.31	0.33	10.41	Average
13	17.383	37.44	-22.56	60.00	26.59	0.40	10.45	QP
14	17.383	30.14	-19.86	50.00	19.29	0.40	10.45	Average



Mode :	Mode 4	Temperature :	25.3~26.2°C
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

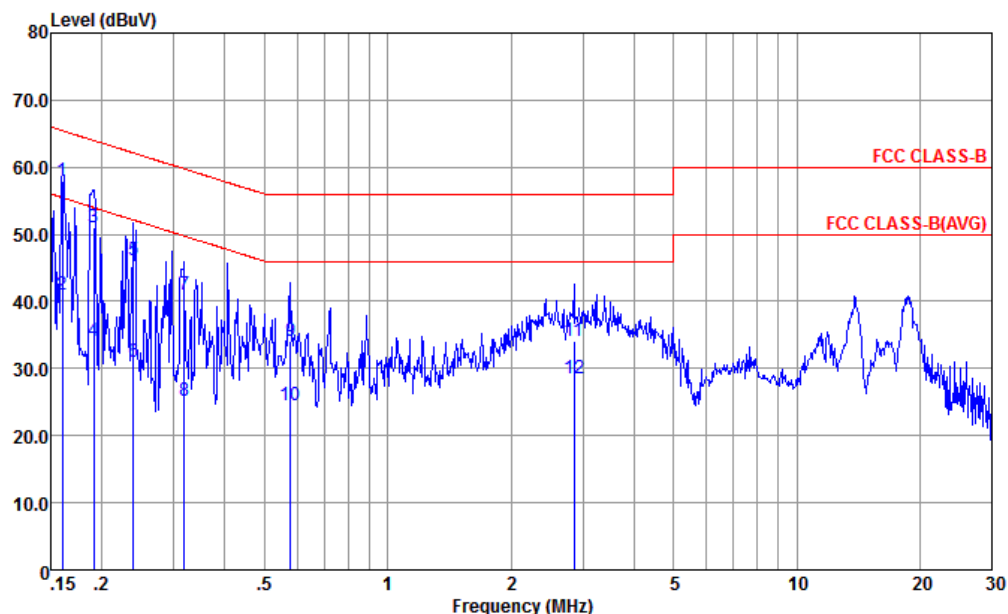


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-N NEUTRAL
 Project : (FC) 1D0404
 mode : Mode 4

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.160	49.46	-16.01	65.47	38.90	0.11	10.45	QP
2	0.160	33.76	-21.71	55.47	23.20	0.11	10.45	Average
3	0.174	46.13	-18.64	64.77	35.61	0.10	10.42	QP
4	0.174	29.73	-25.04	54.77	19.21	0.10	10.42	Average
5	0.208	51.66	-11.61	63.27	41.20	0.10	10.36	QP
6	0.208	37.66	-15.61	53.27	27.20	0.10	10.36	Average
7	0.235	45.24	-17.02	62.26	34.80	0.10	10.34	QP
8	0.235	28.64	-23.62	52.26	18.20	0.10	10.34	Average
9	0.280	41.92	-18.89	60.81	31.50	0.10	10.32	QP
10	0.280	26.02	-24.79	50.81	15.60	0.10	10.32	Average
11 *	13.560	55.47	-4.53	60.00	44.80	0.29	10.38	QP
12	13.560	41.87	-8.13	50.00	31.20	0.29	10.38	Average
13	18.721	35.84	-24.46	60.00	24.60	0.47	10.47	QP
14	18.721	28.14	-21.86	50.00	17.20	0.47	10.47	Average



Mode :	Mode 5	Temperature :	25.3~26.2°C
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

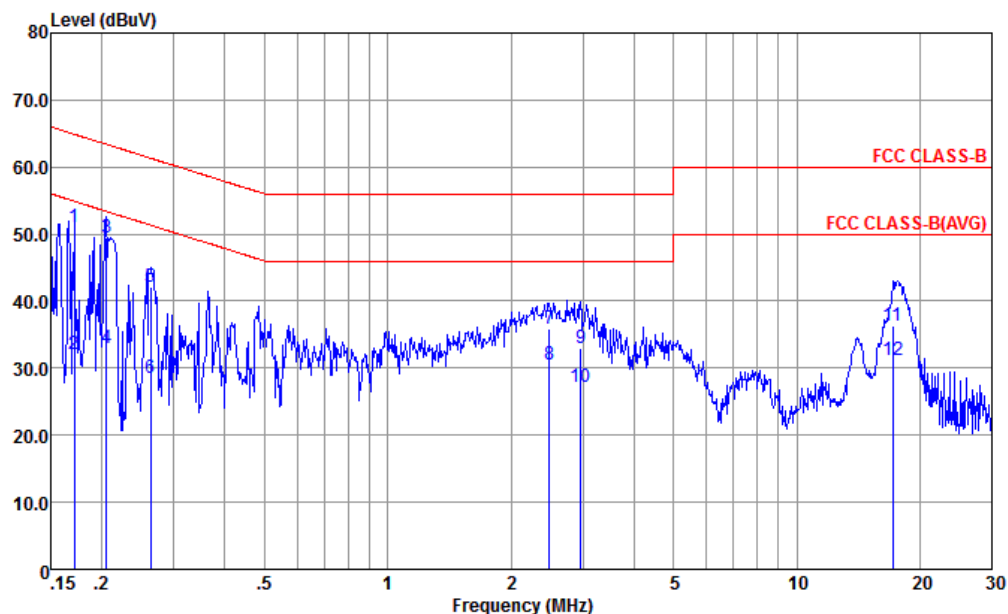


Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-L LINE
Project : (FC) 1D0404
mode : Mode 5

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.160	57.88	-7.59	65.47	47.41	0.02	10.45	QP
2	0.160	41.08	-14.39	55.47	30.61	0.02	10.45	Average
3	0.191	51.02	-12.96	63.98	40.60	0.04	10.38	QP
4	0.191	34.02	-19.96	53.98	23.60	0.04	10.38	Average
5	0.239	46.19	-15.94	62.13	35.80	0.05	10.34	QP
6	0.239	30.99	-21.14	52.13	20.60	0.05	10.34	Average
7	0.318	40.97	-18.78	59.75	30.60	0.07	10.30	QP
8	0.318	25.17	-24.58	49.75	14.80	0.07	10.30	Average
9	0.579	34.14	-21.86	56.00	23.80	0.10	10.24	QP
10	0.579	24.44	-21.56	46.00	14.10	0.10	10.24	Average
11	2.854	33.99	-22.01	56.00	23.60	0.15	10.24	QP
12	2.854	28.59	-17.41	46.00	18.20	0.15	10.24	Average



Mode :	Mode 5	Temperature :	25.3~26.2°C
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

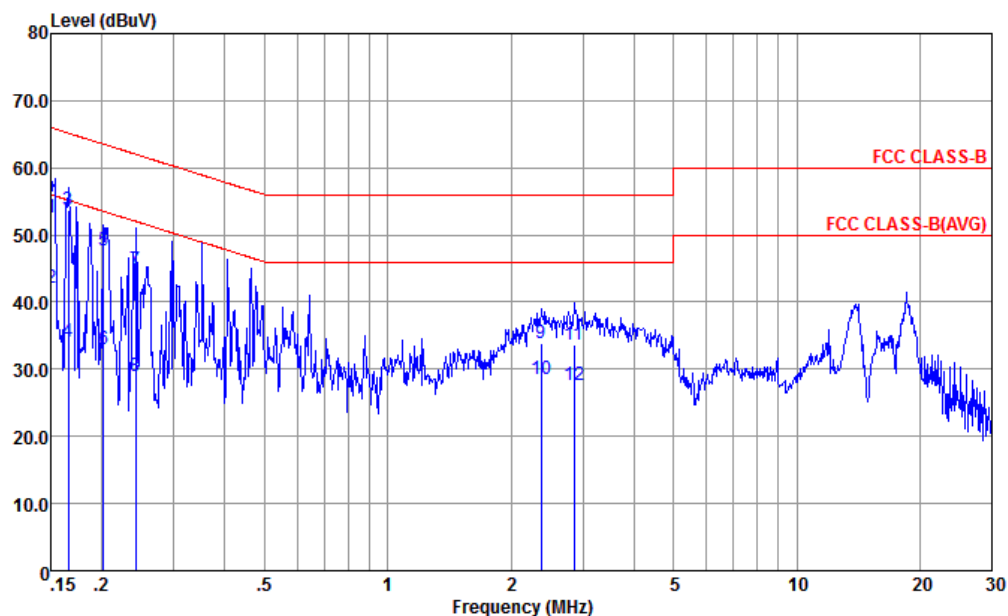


Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-N NEUTRAL
Project : (FC) 1D0404
mode : Mode 5

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.171	51.03	-13.87	64.90	40.49	0.11	10.43	QP
2	0.171	32.13	-22.77	54.90	21.59	0.11	10.43	Average
3	0.205	49.36	-14.04	63.40	38.90	0.10	10.36	QP
4	0.205	32.96	-20.44	53.40	22.50	0.10	10.36	Average
5	0.263	42.03	-19.31	61.34	31.60	0.10	10.33	QP
6	0.263	28.63	-22.71	51.34	18.20	0.10	10.33	Average
7	2.487	35.98	-20.02	56.00	25.60	0.15	10.23	QP
8	2.487	30.48	-15.52	46.00	20.10	0.15	10.23	Average
9	2.962	32.99	-23.01	56.00	22.60	0.15	10.24	QP
10	2.962	27.19	-18.81	46.00	16.80	0.15	10.24	Average
11	17.199	36.35	-23.65	60.00	25.50	0.41	10.44	QP
12	17.199	31.15	-18.85	50.00	20.30	0.41	10.44	Average



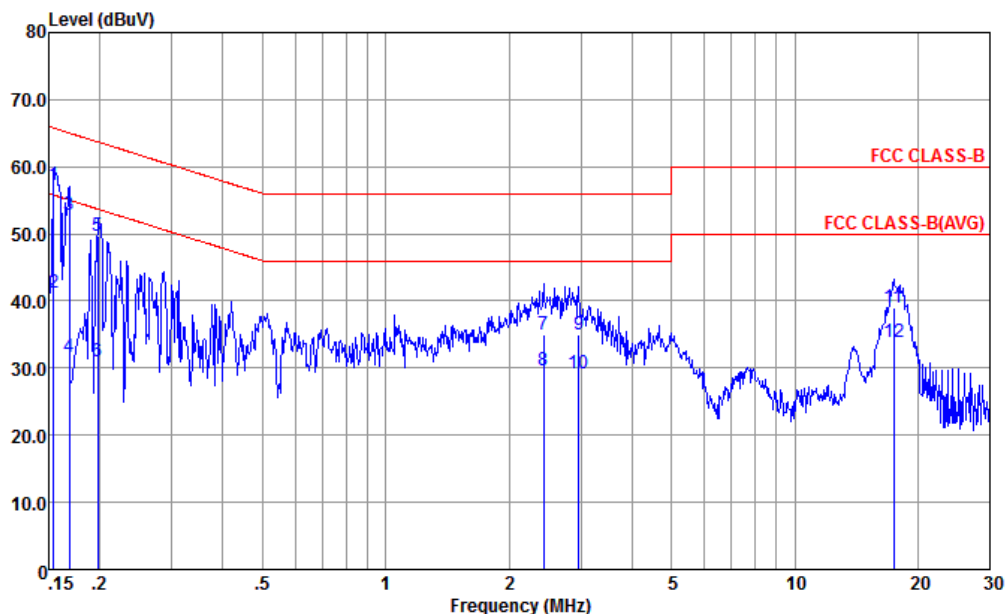
Mode :	Mode 6	Temperature :	25.3~26.2°C
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-L LINE
Project : (FC) 1D0404
mode : Mode 6

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.150	52.70	-13.30	66.00	42.20	0.02	10.48	QP
2	0.150	42.10	-13.90	56.00	31.60	0.02	10.48	Average
3 *	0.166	53.77	-11.39	65.16	43.30	0.03	10.44	QP
4	0.166	34.07	-21.09	55.16	23.60	0.03	10.44	Average
5	0.202	47.60	-15.94	63.54	37.20	0.04	10.36	QP
6	0.202	33.00	-20.54	53.54	22.60	0.04	10.36	Average
7	0.242	44.89	-17.15	62.04	34.50	0.05	10.34	QP
8	0.242	28.89	-23.15	52.04	18.50	0.05	10.34	Average
9	2.371	33.88	-22.12	56.00	23.51	0.14	10.23	QP
10	2.371	28.58	-17.42	46.00	18.21	0.14	10.23	Average
11	2.854	33.59	-22.41	56.00	23.20	0.15	10.24	QP
12	2.854	27.59	-18.41	46.00	17.20	0.15	10.24	Average

Mode :	Mode 6	Temperature :	25.3~26.2°C
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-N NEUTRAL
 Project : (FC) 1D0404
 mode : Mode 6

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1 *	0.154	57.18	-8.60	65.78	46.60	0.11	10.47	QP
2	0.154	41.18	-14.60	55.78	30.60	0.11	10.47	Average
3	0.169	52.74	-12.29	65.03	42.20	0.11	10.43	QP
4	0.169	31.74	-23.29	55.03	21.20	0.11	10.43	Average
5	0.198	49.67	-14.04	63.71	39.20	0.10	10.37	QP
6	0.198	31.07	-22.64	53.71	20.60	0.10	10.37	Average
7	2.435	34.98	-21.02	56.00	24.61	0.14	10.23	QP
8	2.435	29.58	-16.42	46.00	19.21	0.14	10.23	Average
9	2.962	34.99	-21.01	56.00	24.60	0.15	10.24	QP
10	2.962	29.29	-16.71	46.00	18.90	0.15	10.24	Average
11	17.475	38.96	-21.04	60.00	28.09	0.42	10.45	QP
12	17.475	33.76	-16.24	50.00	22.89	0.42	10.45	Average

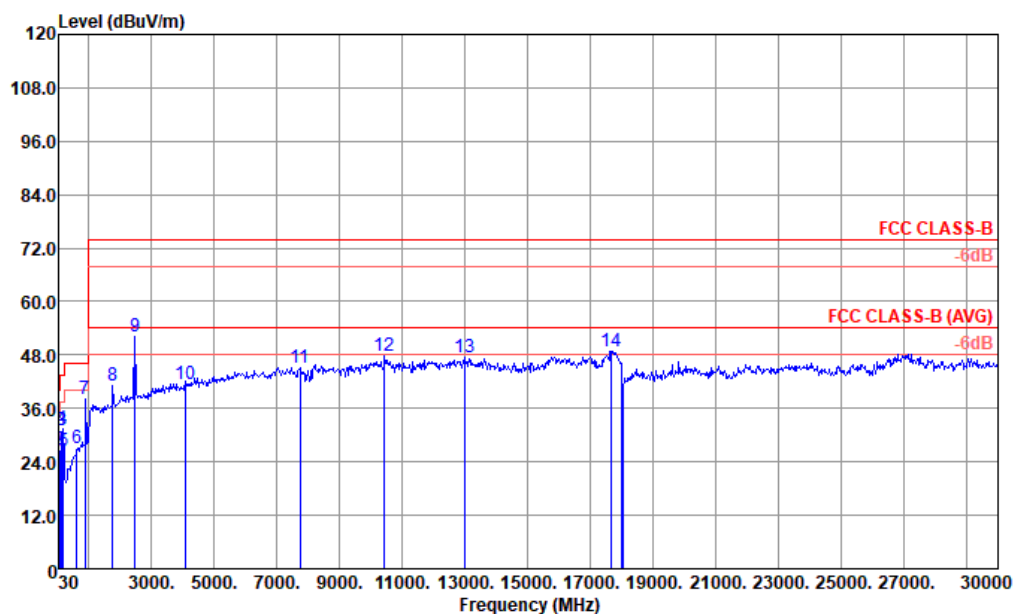
Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)



Appendix B. Radiated Emission Test Result

Mode :	Mode 1	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored. #9 is RF signal which comes from Bluetooth/WLAN Access Point used to connect the EUT, and which can be ignored.		

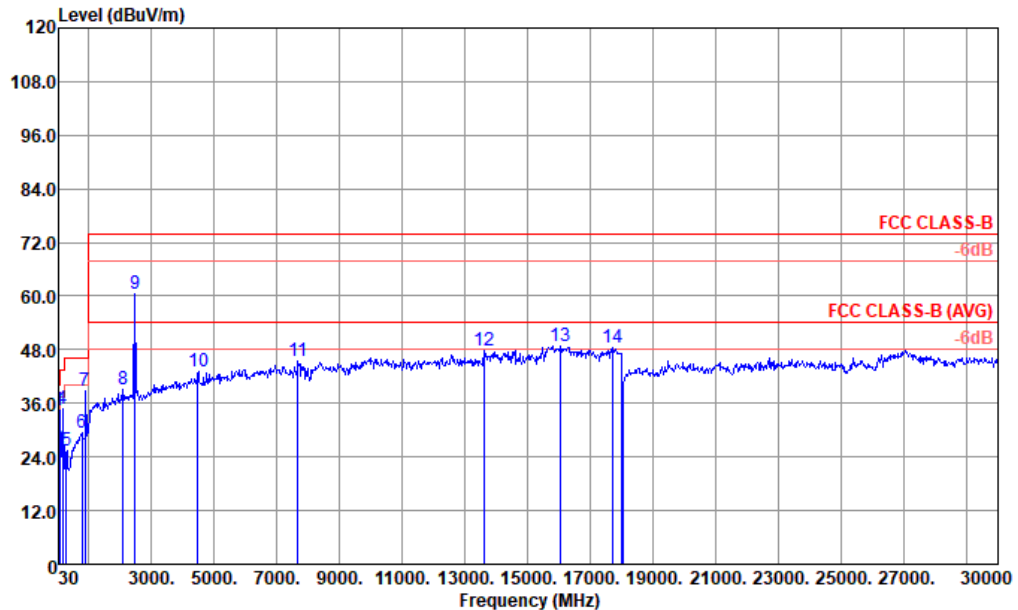


Site : 03CH06-KS
 Condition : FCC CLASS-B 3m CBL6111D SN23188 HORIZONTAL
 Project : (FC)1D0404
 Mode : 1

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	cm	deg	
			dB	dBuV/m	dBuV	dB/m	dB	dB		
1	30.97	22.19	-17.81	40.00	28.26	24.59	0.59	31.25	---	Peak
2	98.87	26.66	-16.84	43.50	39.70	17.22	1.62	31.88	---	Peak
3	143.49	31.10	-12.40	43.50	43.85	16.71	1.93	31.39	---	Peak
4	156.10	31.27	-12.23	43.50	44.12	16.46	2.01	31.32	---	Peak
5	188.11	26.30	-17.20	43.50	39.70	15.72	2.22	31.34	---	Peak
6	619.76	27.23	-18.77	46.00	29.28	25.18	4.05	31.28	---	Peak
7	881.66	38.22			37.89	26.70	4.84	31.21	---	Peak
8	1748.00	41.03	-32.97	74.00	65.69	29.10	6.12	59.88	---	Peak
9	2462.00	52.00			73.45	31.10	7.25	59.80	---	Peak
10	4060.00	41.47	-32.53	74.00	58.25	33.75	9.41	59.94	---	Peak
11	7732.00	45.13	-28.87	74.00	55.83	36.73	13.16	60.59	---	Peak
12	10435.00	47.92	-26.08	74.00	54.82	38.34	15.42	60.66	---	Peak
13	12968.00	47.58	-26.42	74.00	50.77	39.64	17.27	60.10	---	Peak
14	17643.00	48.91	-25.09	74.00	43.22	42.40	20.70	57.41	---	Peak



Mode :	Mode 1	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Remark :	#7 is system simulator signal which can be ignored. #9 is RF signals which come from Bluetooth/WLAN Access Point used to connect the EUT, and which can be ignored.		

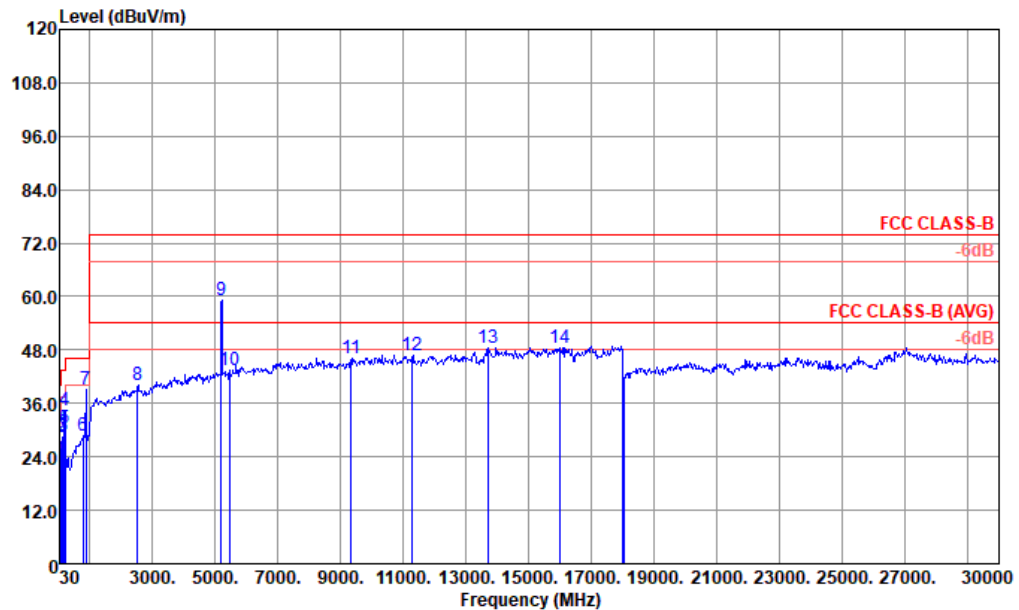


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111D SN23188 VERTICAL
Project : (FC)1D0404
Mode : 1

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	cm	deg	
1	41.64	34.53	-5.47	40.00	46.57	18.86	0.75	31.65	100	262 Peak
2	76.56	25.65	-14.35	40.00	42.52	13.71	1.27	31.85	---	Peak
3	97.90	23.96	-19.54	43.50	36.57	17.68	1.60	31.89	---	Peak
4	153.19	34.65	-8.85	43.50	46.55	17.43	1.99	31.32	---	Peak
5	276.38	25.45	-20.55	46.00	34.45	19.82	2.69	31.51	---	Peak
6	781.75	29.45	-16.55	46.00	29.34	26.75	4.55	31.19	---	Peak
7	881.66	38.66			37.70	27.33	4.84	31.21	---	Peak
8	2088.00	39.10	-34.90	74.00	61.85	30.12	6.66	59.53	---	Peak
9	2462.00	60.63			82.08	31.10	7.25	59.80	---	Peak
10	4485.00	43.13	-30.87	74.00	59.37	34.00	9.86	60.10	---	Peak
11	7664.00	45.33	-28.67	74.00	56.12	36.69	13.10	60.58	---	Peak
12	13614.00	47.93	-26.07	74.00	50.28	40.00	17.75	60.10	---	Peak
13	16045.00	48.74	-25.26	74.00	46.88	41.79	19.65	59.58	---	Peak
14	17711.00	48.55	-25.45	74.00	42.64	42.50	20.74	57.33	---	Peak



Mode :	Mode 2	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#7 is system simulator signal which can be ignored. #9 is RF signals which come from WLAN Access Point used to connect the EUT, and which can be ignored.		

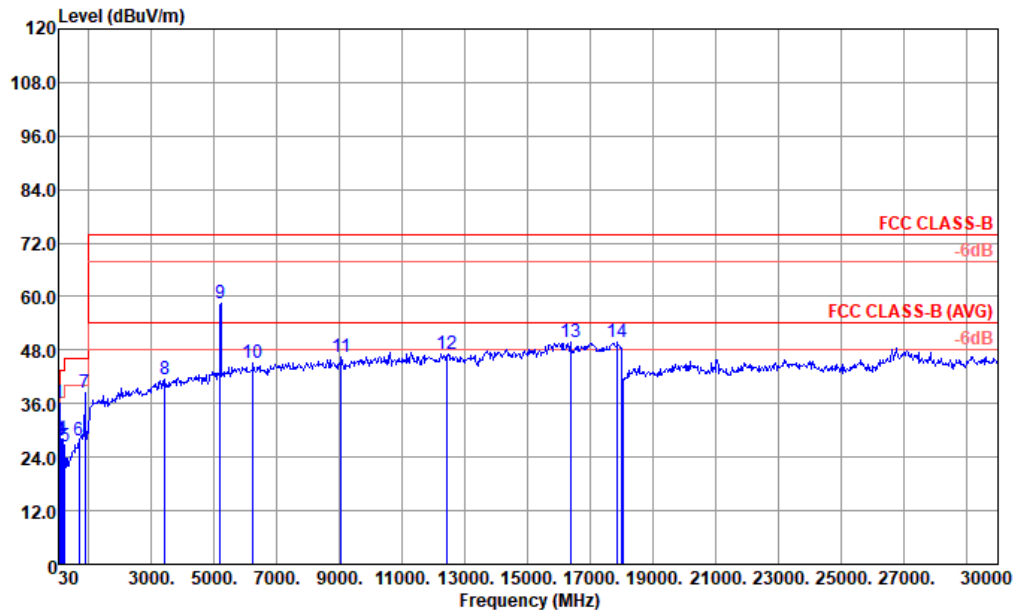


Site : 03CH06-KS
 Condition : FCC CLASS-B 3m CBL6111D SN23188 HORIZONTAL
 Project : (FC)1D0404
 Mode : 2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	75.59	23.26	-16.74	40.00	40.85	13.01	1.26	31.86	---	Peak
2	107.60	28.53	-14.97	43.50	41.34	17.28	1.69	31.78	---	Peak
3	147.37	28.69	-14.81	43.50	41.44	16.65	1.95	31.35	---	Peak
4	174.53	34.59	-8.91	43.50	47.75	16.04	2.13	31.33	---	Peak
5	199.75	30.50	-13.00	43.50	44.09	15.45	2.30	31.34	---	Peak
6	781.75	28.61	-17.39	46.00	29.31	25.94	4.55	31.19	---	Peak
7	870.99	39.22			38.97	26.69	4.81	31.25	---	Peak
8	2530.00	40.15	-33.85	74.00	61.28	31.19	7.34	59.66	---	Peak
9	5199.00	59.08			73.33	35.08	10.71	60.04	---	Peak
10	5454.00	43.35	-30.65	74.00	57.25	35.32	10.89	60.11	---	Peak
11	9330.00	46.05	-27.95	74.00	54.99	37.60	14.58	61.12	---	Peak
12	11285.00	46.70	-27.30	74.00	52.44	38.63	16.11	60.48	---	Peak
13	13682.00	48.43	-25.57	74.00	50.76	39.95	17.81	60.09	---	Peak
14	16011.00	48.58	-25.42	74.00	46.78	41.80	19.63	59.63	---	Peak



Mode :	Mode 2	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Remark :	#7 is system simulator signal which can be ignored. #9 is RF signals which come from WLAN Access Point used to connect the EUT, and which can be ignored.		

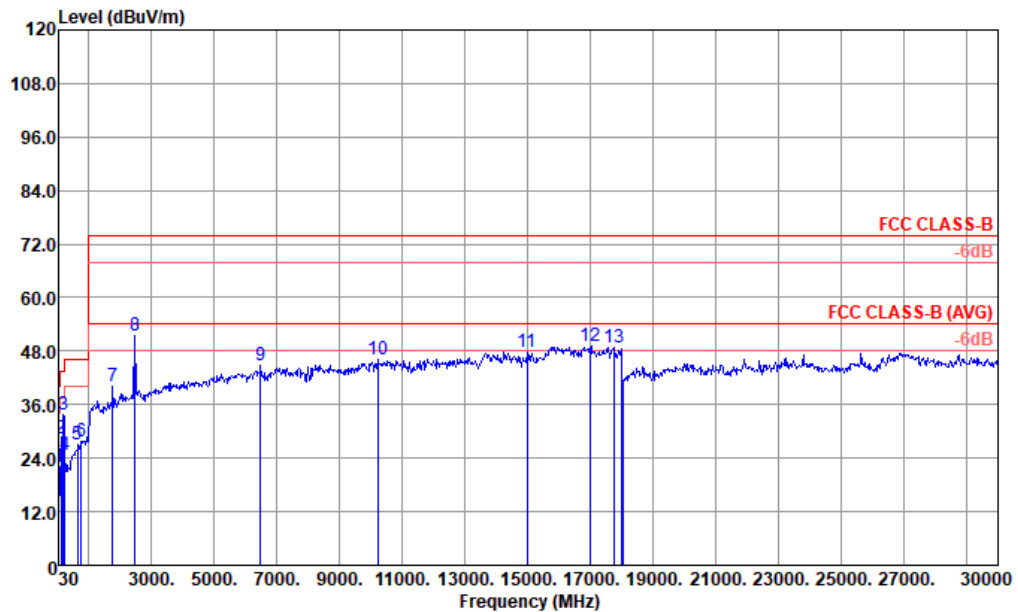


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111D SN23188 VERTICAL
Project : (FC)1D0404
Mode : 2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	cm	deg	
1 !	41.64	35.95	-4.05	40.00	47.99	18.86	0.75	31.65	100	245 Peak
2	75.59	28.07	-11.93	40.00	45.03	13.64	1.26	31.86	---	Peak
3	106.63	27.84	-15.66	43.50	39.93	18.02	1.68	31.79	---	Peak
4	151.25	27.99	-15.51	43.50	39.85	17.48	1.98	31.32	---	Peak
5	240.49	26.55	-19.45	46.00	36.61	18.80	2.50	31.36	---	Peak
6	686.69	27.88	-18.12	46.00	29.07	25.75	4.26	31.20	---	Peak
7	870.99	38.37	---	---	37.53	27.28	4.81	31.25	---	Peak
8	3414.00	41.46	-32.54	74.00	60.20	32.63	8.59	59.96	---	Peak
9	5199.00	58.39	---	---	72.64	35.08	10.71	60.04	---	Peak
10	6236.00	45.14	-28.86	74.00	57.89	35.66	11.71	60.12	---	Peak
11	9058.00	46.59	-27.41	74.00	56.14	37.43	14.29	61.27	---	Peak
12	12441.00	47.24	-26.76	74.00	51.13	39.18	17.02	60.09	---	Peak
13	16368.00	49.79	-24.21	74.00	47.34	41.69	19.87	59.11	---	Peak
14	17847.00	49.86	-24.14	74.00	43.51	42.69	20.83	57.17	---	Peak



Mode :	Mode 3	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#8 is RF signals which come from Bluetooth/WLAN Access Point used to connect the EUT, and which can be ignored.		

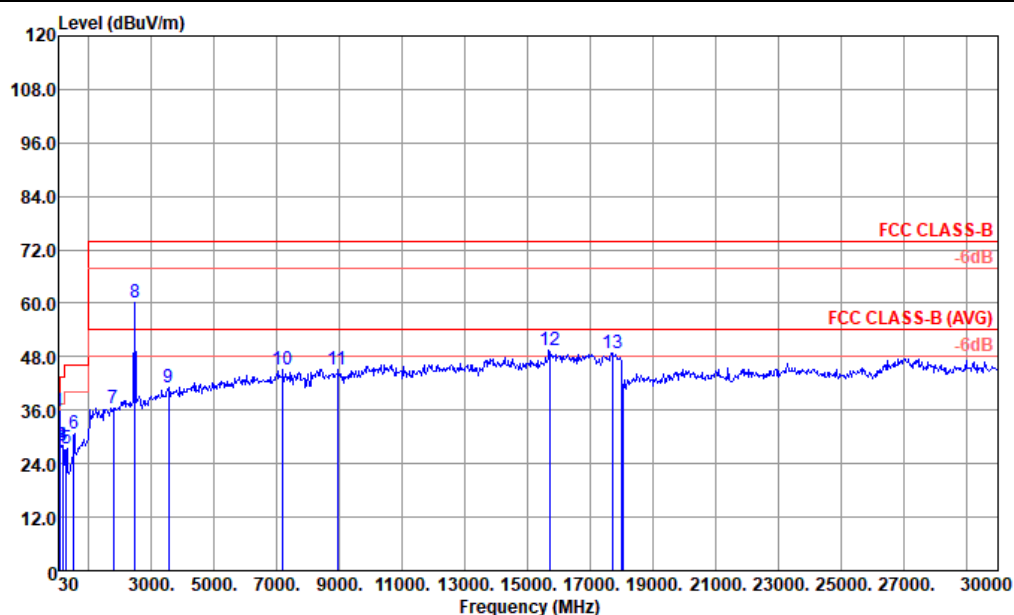


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111D SN23188 HORIZONTAL
Project : (FC)1D0404
Mode : 3

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level 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	22.23	-17.77	40.00	27.73	25.15	0.58	31.23	---	---	Peak
2	102.75	28.30	-15.20	43.50	41.13	17.35	1.65	31.83	---	---	Peak
3	173.56	33.90	-9.60	43.50	47.05	16.06	2.12	31.33	---	---	Peak
4	226.91	24.70	-21.30	46.00	36.48	17.14	2.43	31.35	---	---	Peak
5	630.43	26.97	-19.03	46.00	28.96	25.22	4.09	31.30	---	---	Peak
6	746.83	27.74	-18.26	46.00	28.76	25.65	4.44	31.11	---	---	Peak
7	1748.00	40.27	-33.73	74.00	64.93	29.10	6.12	59.88	---	---	Peak
8	2462.00	51.42			72.87	31.10	7.25	59.80	---	---	Peak
9	6474.00	44.63	-29.37	74.00	57.19	35.57	11.99	60.12	---	---	Peak
10	10214.00	46.01	-27.99	74.00	53.18	38.27	15.27	60.71	---	---	Peak
11	14974.00	47.91	-26.09	74.00	49.40	39.80	18.73	60.02	---	---	Peak
12	17014.00	49.19	-24.81	74.00	45.54	41.52	20.31	58.18	---	---	Peak
13	17762.00	48.93	-25.07	74.00	42.86	42.57	20.77	57.27	---	---	Peak



Mode :	Mode 3	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Remark :	#8 is RF signals which come from Bluetooth/WLAN Access Point used to connect the EUT, and which can be ignored.		

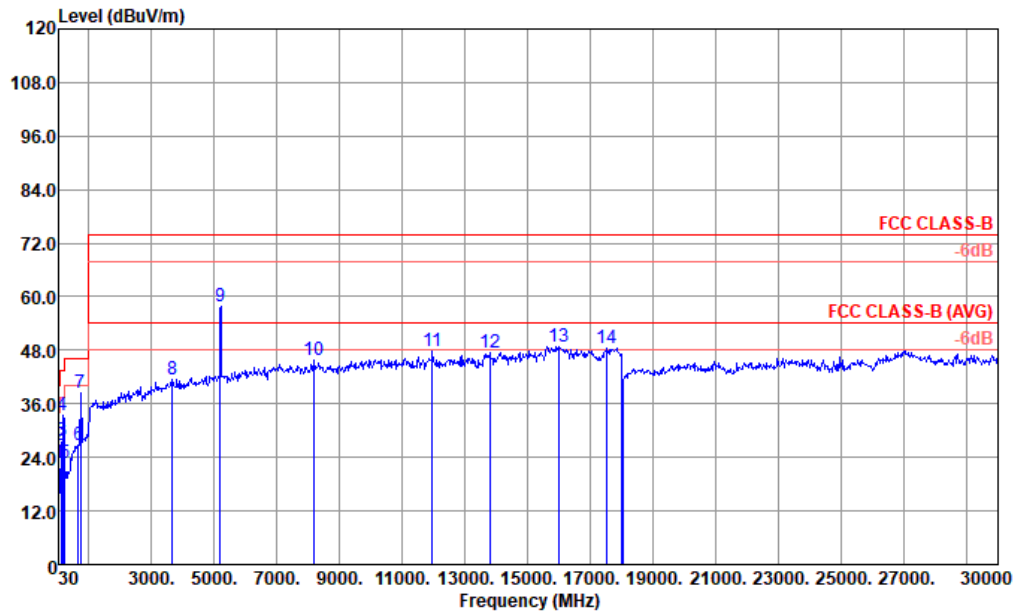


Site : 03GH06-KS
Condition : FCC CLASS-B 3m CBL6111D SN23188 VERTICAL
Project : (FC)1D0404
Mode : 3

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	cm	deg	
1	41.64	35.73	-4.27	40.00	47.77	18.86	0.75	31.65	100	252 Peak
2	100.81	28.03	-15.47	43.50	40.15	18.09	1.64	31.85	---	Peak
3	151.25	28.22	-15.28	43.50	40.08	17.48	1.98	31.32	---	Peak
4	171.62	28.08	-15.42	43.50	40.32	16.98	2.11	31.33	---	Peak
5	281.23	27.41	-18.59	46.00	36.34	19.90	2.71	31.54	---	Peak
6	520.82	30.78	-15.22	46.00	33.45	25.08	3.71	31.46	---	Peak
7	1782.00	36.52	-37.48	74.00	61.09	29.22	6.18	59.97	---	Peak
8	2462.00	60.23			81.68	31.10	7.25	59.80	---	Peak
9	3533.00	41.10	-32.90	74.00	59.42	32.87	8.74	59.93	---	Peak
10	7188.00	45.01	-28.99	74.00	56.32	36.54	12.64	60.49	---	Peak
11	8939.00	45.10	-28.90	74.00	54.81	37.37	14.18	61.26	---	Peak
12	15688.00	49.34	-24.66	74.00	48.59	41.16	19.35	59.76	---	Peak
13	17711.00	48.88	-25.12	74.00	42.97	42.50	20.74	57.33	---	Peak



Mode :	Mode 4	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#7 is system simulator signal which can be ignored. #9 is RF signals which come from WLAN Access Point used to connect the EUT, and which can be ignored.		

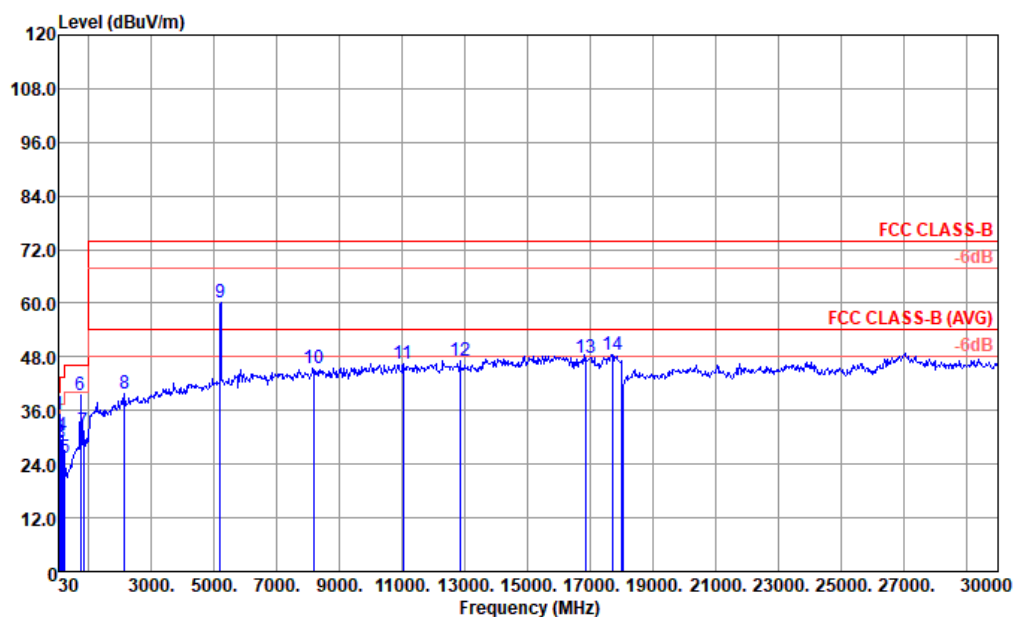


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111D SN23188 HORIZONTAL
Project : (FC)1D0404
Mode : 4

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	cm	deg
1	30.00	22.79	-17.21	40.00	28.29	25.15	0.58	31.23	---	Peak
2	107.60	26.76	-16.74	43.50	39.57	17.28	1.69	31.78	---	Peak
3	148.34	27.73	-15.77	43.50	40.48	16.63	1.96	31.34	---	Peak
4	170.65	33.52	-9.98	43.50	46.61	16.13	2.11	31.33	---	Peak
5	229.82	22.78	-23.22	46.00	34.36	17.32	2.45	31.35	---	Peak
6	673.11	26.90	-19.10	46.00	28.72	25.20	4.22	31.24	---	Peak
7	741.01	38.56			39.68	25.58	4.42	31.12	---	Peak
8	3652.00	41.49	-32.51	74.00	59.34	33.03	8.90	59.78	---	Peak
9	5199.00	57.81			72.06	35.08	10.71	60.04	---	Peak
10	8191.00	45.77	-28.23	74.00	55.89	37.01	13.63	60.76	---	Peak
11	11948.00	47.75	-26.25	74.00	52.32	38.79	16.76	60.12	---	Peak
12	13801.00	47.39	-26.61	74.00	49.71	39.85	17.90	60.07	---	Peak
13	16011.00	48.88	-25.12	74.00	47.08	41.80	19.63	59.63	---	Peak
14	17507.00	48.48	-25.52	74.00	43.23	42.21	20.62	57.58	---	Peak



Mode :	Mode 4	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Remark :	#7 is system simulator signal which can be ignored. #9 is RF signals which come from WLAN Access Point used to connect the EUT, and which can be ignored.		

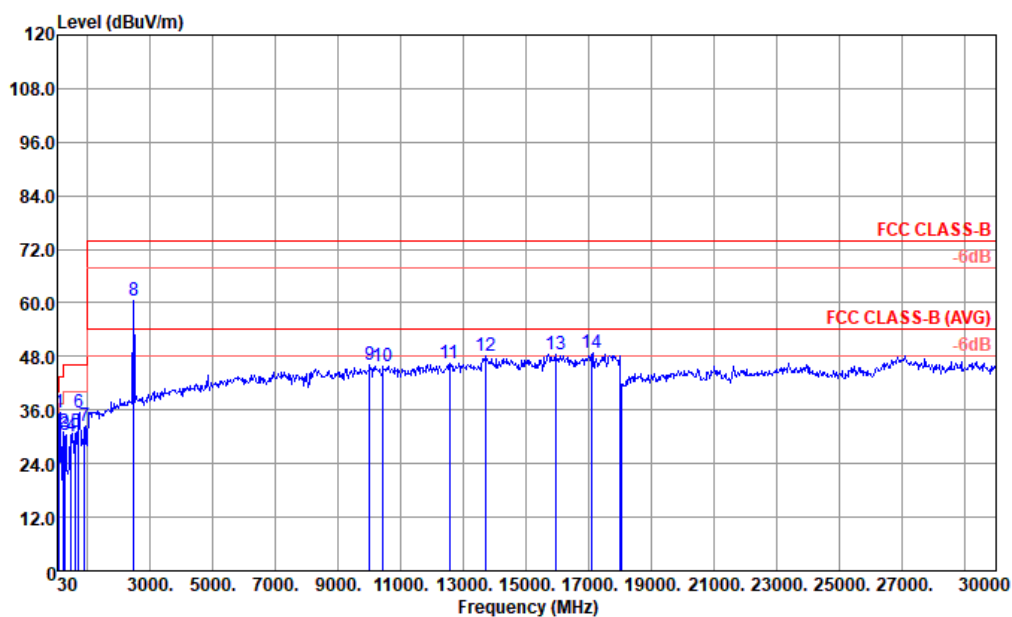


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111D SN23188 VERTICAL
Project : (FC)1D0404
Mode : 4

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 !	40.67	35.05	-4.95	40.00	46.59	19.38	0.73	31.65	100	256 Peak	
2	58.13	29.15	-10.85	40.00	45.93	13.72	1.00	31.50	---	---	Peak
3	108.57	28.73	-14.77	43.50	40.80	18.00	1.70	31.77	---	---	Peak
4	150.28	30.52	-12.98	43.50	42.37	17.50	1.97	31.32	---	---	Peak
5	226.91	25.26	-20.74	46.00	36.21	17.97	2.43	31.35	---	---	Peak
6	741.01	39.36			39.70	26.36	4.42	31.12	---	---	Peak
7	831.22	31.53	-14.47	46.00	31.03	27.09	4.70	31.29	---	---	Peak
8	2139.00	39.65	-34.35	74.00	62.37	30.20	6.74	59.66	---	---	Peak
9	5199.00	60.10			74.35	35.08	10.71	60.04	---	---	Peak
10	8157.00	45.59	-28.41	74.00	55.76	36.99	13.58	60.74	---	---	Peak
11	11030.00	46.61	-27.39	74.00	52.75	38.54	15.85	60.53	---	---	Peak
12	12832.00	47.28	-26.72	74.00	50.65	39.52	17.21	60.10	---	---	Peak
13	16844.00	47.92	-26.08	74.00	44.59	41.55	20.20	58.42	---	---	Peak
14	17694.00	48.55	-25.45	74.00	42.70	42.47	20.73	57.35	---	---	Peak



Mode :	Mode 5	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#8 is RF signals which come from WLAN Access Point used to connect the EUT, and which can be ignored.		

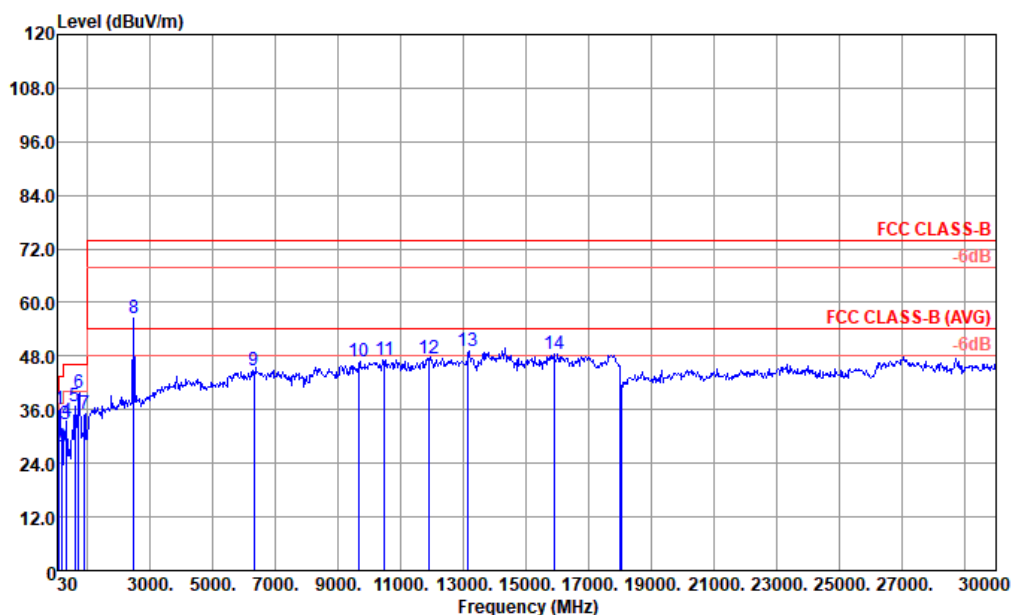


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111DSN23188 HORIZONTAL

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		
1	88.20	35.28	-8.22	43.50	50.60	15.03	1.45	31.80	---	---	Peak	HORIZONTAL
2	239.52	31.25	-14.75	46.00	42.19	17.92	2.50	31.36	---	---	Peak	HORIZONTAL
3	275.41	30.40	-15.60	46.00	40.33	18.89	2.68	31.50	---	---	Peak	HORIZONTAL
4	466.50	30.15	-15.85	46.00	34.85	23.07	3.51	31.28	---	---	Peak	HORIZONTAL
5	607.15	30.95	-15.05	46.00	33.08	25.13	4.01	31.27	---	---	Peak	HORIZONTAL
6	719.67	35.47	-10.53	46.00	36.91	25.33	4.36	31.13	---	---	Peak	HORIZONTAL
7	900.09	32.27	-13.73	46.00	31.83	26.70	4.89	31.15	---	---	Peak	HORIZONTAL
8	2462.00	60.38			81.83	31.10	7.25	59.80	---	---	Peak	HORIZONTAL
9	10010.00	46.06	-27.94	74.00	53.50	38.20	15.12	60.76	---	---	Peak	HORIZONTAL
10	10435.00	45.91	-28.09	74.00	52.81	38.34	15.42	60.66	---	---	Peak	HORIZONTAL
11	12543.00	46.40	-27.60	74.00	50.15	39.27	17.07	60.09	---	---	Peak	HORIZONTAL
12	13682.00	48.01	-25.99	74.00	50.34	39.95	17.81	60.09	---	---	Peak	HORIZONTAL
13	15943.00	48.59	-25.41	74.00	47.02	41.66	19.58	59.67	---	---	Peak	HORIZONTAL
14	17099.00	48.72	-25.28	74.00	44.80	41.64	20.36	58.08	---	---	Peak	HORIZONTAL



Mode :	Mode 5	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Remark :	#8 is RF signals which come from WLAN Access Point used to connect the EUT, and which can be ignored.		

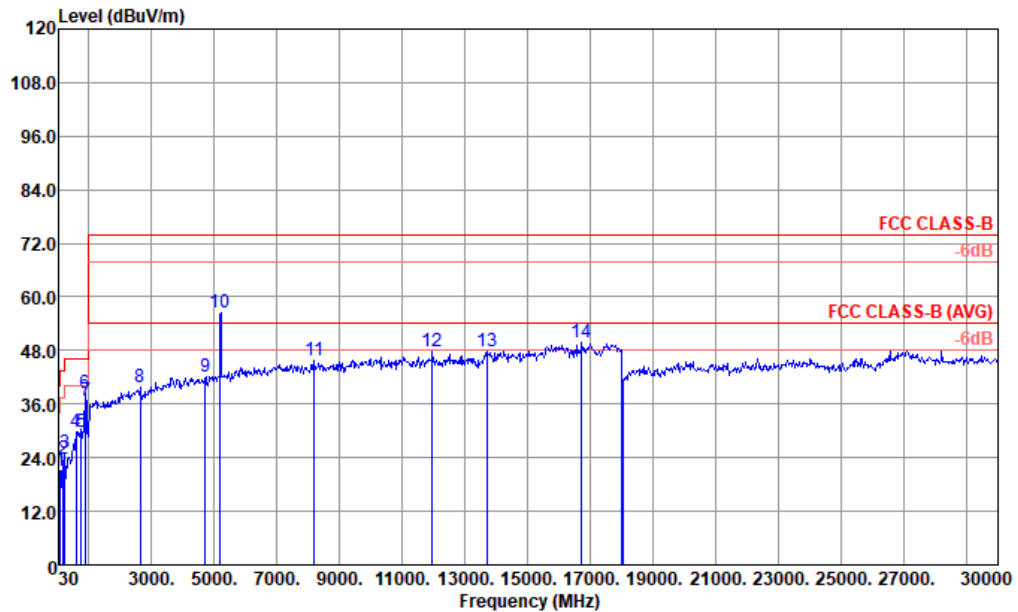


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111DSN23188 VERTICAL

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phas	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		
1	88.20	36.23	-7.27	43.50	50.98	15.60	1.45	31.80	---	---	Peak	VERTICAL
2	157.07	27.87	-15.63	43.50	39.83	17.34	2.02	31.32	---	---	Peak	VERTICAL
3	299.66	32.80	-13.20	46.00	41.43	20.20	2.81	31.64	---	---	Peak	VERTICAL
4	317.12	33.29	-12.71	46.00	41.43	20.62	2.88	31.64	---	---	Peak	VERTICAL
5	600.36	36.64	-9.36	46.00	38.41	25.50	3.99	31.26	---	---	Peak	VERTICAL
6	719.67	39.84	-6.16	46.00	40.60	26.01	4.36	31.13	---	---	Peak	VERTICAL
7	897.18	35.23	-10.77	46.00	34.12	27.39	4.88	31.16	---	---	Peak	VERTICAL
8	2462.00	56.38			77.83	31.10	7.25	59.80	---	---	Peak	VERTICAL
9	6304.00	44.84	-29.16	74.00	57.53	35.63	11.80	60.12	---	---	Peak	VERTICAL
10	9653.00	46.81	-27.19	74.00	55.03	37.85	14.88	60.95	---	---	Peak	VERTICAL
11	10486.00	47.21	-26.79	74.00	54.04	38.36	15.46	60.65	---	---	Peak	VERTICAL
12	11897.00	47.55	-26.45	74.00	52.21	38.78	16.71	60.15	---	---	Peak	VERTICAL
13	13155.00	49.02	-24.98	74.00	51.91	39.80	17.41	60.10	---	---	Peak	VERTICAL
14	15875.00	48.51	-25.49	74.00	47.15	41.53	19.52	59.69	---	---	Peak	VERTICAL



Mode :	Mode 6	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#6 is system simulator signal which can be ignored. #10 is RF signals which come from WLAN Access Point used to connect the EUT, and which can be ignored.		

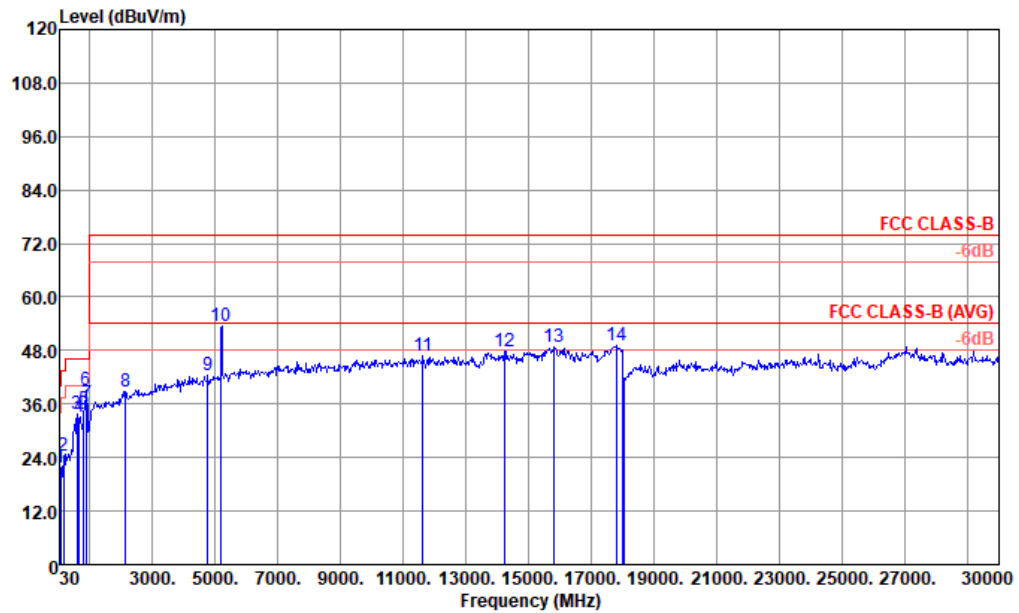


Site : 03CH06-KS
 Condition : FCC CLASS-B 3m CBL6111D SN23188 HORIZONTAL
 Project : (FC)1D0404
 Mode : 6

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	87.23	21.19	-18.81	40.00	36.68	14.83	1.44	31.76	---	---	Peak
2	191.99	23.85	-19.65	43.50	37.31	15.63	2.25	31.34	---	---	Peak
3	239.52	25.20	-20.80	46.00	36.14	17.92	2.50	31.36	---	---	Peak
4	600.36	29.85	-16.15	46.00	32.02	25.10	3.99	31.26	---	---	Peak
5	753.62	29.83	-16.17	46.00	30.77	25.72	4.46	31.12	---	---	Peak
6	870.99	38.44			38.19	26.69	4.81	31.25	---	---	Peak
7	900.09	36.85	-9.15	46.00	36.41	26.70	4.89	31.15	---	---	Peak
8	2632.00	39.68	-34.32	74.00	60.83	31.12	7.47	59.74	---	---	Peak
9	4723.00	42.18	-31.82	74.00	57.72	34.39	10.13	60.06	---	---	Peak
10	5199.00	56.64			70.89	35.08	10.71	60.04	---	---	Peak
11	8191.00	45.77	-28.23	74.00	55.89	37.01	13.63	60.76	---	---	Peak
12	11948.00	47.75	-26.25	74.00	52.32	38.79	16.76	60.12	---	---	Peak
13	13682.00	47.90	-26.10	74.00	50.23	39.95	17.81	60.09	---	---	Peak
14	16725.00	49.75	-24.25	74.00	46.64	41.58	20.12	58.59	---	---	Peak



Mode :	Mode 6	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Remark :	#6 is system simulator signal which can be ignored. #10 is RF signals which come from WLAN Access Point used to connect the EUT, and which can be ignored.		



Site : 03CH06-KS
 Condition : FCC CLASS-B 3m CBL6111D SN23188 VERTICAL
 Project : (FC)1D0404
 Mode : 6

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	cm	deg	
			dB	dBuV/m	dBuV	dB/m	dB			
1	76.56	21.78	-18.22	40.00	38.65	13.71	1.27	31.85	---	Peak
2	155.13	24.26	-19.24	43.50	36.19	17.38	2.01	31.32	---	Peak
3	599.39	33.80	-12.20	46.00	35.57	25.51	3.99	31.27	---	Peak
4	672.14	33.24	-12.76	46.00	34.45	25.81	4.22	31.24	---	Peak
5	804.06	34.83	-11.17	46.00	34.54	26.92	4.61	31.24	---	Peak
6	870.99	39.09			38.25	27.28	4.81	31.25	---	Peak
7	898.15	36.24	-9.76	46.00	35.13	27.39	4.88	31.16	---	Peak
8	2139.00	38.75	-35.25	74.00	61.47	30.20	6.74	59.66	---	Peak
9	4757.00	42.44	-31.56	74.00	57.87	34.45	10.17	60.05	---	Peak
10	5199.00	53.33			67.58	35.08	10.71	60.04	---	Peak
11	11625.00	46.66	-27.34	74.00	51.85	38.72	16.44	60.35	---	Peak
12	14209.00	47.78	-26.22	74.00	49.91	39.72	18.19	60.04	---	Peak
13	15824.00	48.65	-25.35	74.00	47.46	41.43	19.47	59.71	---	Peak
14	17779.00	48.99	-25.01	74.00	42.87	42.59	20.78	57.25	---	Peak

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