



FCC EMI TEST REPORT

FCC ID : PY7-81713C
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. 26, 2021 ~ Feb. 24, 2022

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.

Jason Jia

Reviewed by: Jason Jia / Supervisor

Alex Wang

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
FC1D0403	01	Initial issue of report	Feb. 04, 2022
FC1D0403	02	Update radiated test mode 5 and test data	Feb. 24, 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 4.74 dB at 13.560 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 4.17 dB at 40.670 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	0.386	004402543133445	Conducted Emission
		004402543133452	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

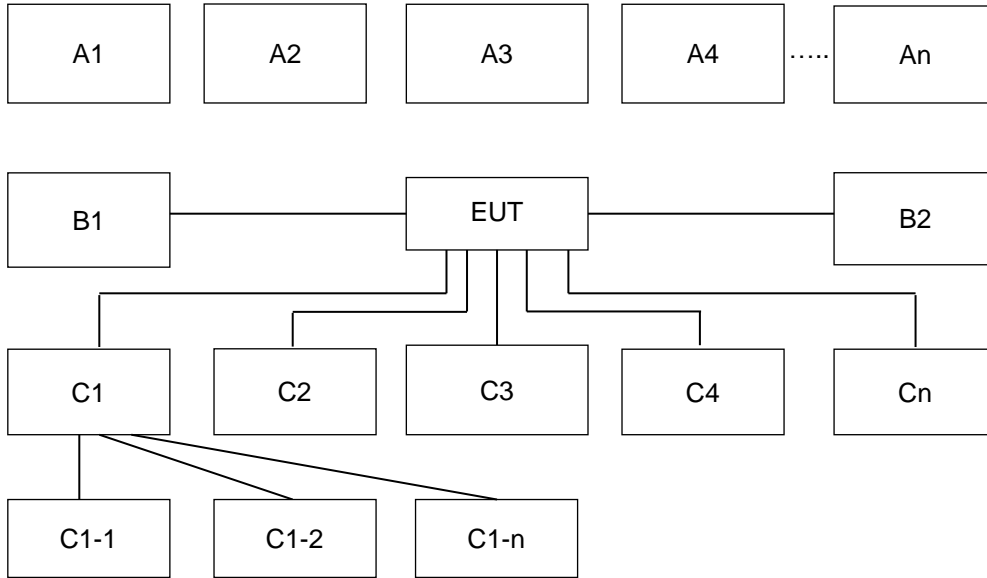
2.1. Test Mode

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
<p style="text-align: center;">AC Conducted Emission</p>	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 5 (Highest Channel) Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (5GHz) Idle + NFC On + Earphone + USB Cable 2(Charging from Adapter)
	Mode 5: LTE Band 12 (Lowest Channel) 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 5 (Highest Channel) Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (5GHz) Idle + GNSS Rx + Earphone + USB Cable 2(Data Link with Notebook)
<p style="text-align: center;">Radiated Emissions</p>	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 5 (Highest Channel) Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (5GHz) Idle + NFC On + Earphone + USB Cable 1(Charging from Adapter)
	Mode 5: LTE Band 12 (Lowest Channel) Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (2.4GHz) Idle + FM Rx(88MHz) + Earphone + USB Cable 1(Data Link with Notebook)
	Mode 6: LTE Band 5 (Highest Channel) Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (5GHz) Idle + GNSS Rx + Earphone + USB Cable 2(Data Link with Notebook)
<p>Remark:</p> <ol style="list-style-type: none"> 1. 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 5/12/FM); only the worst channel for them between 30MHz ~ 960MHz test data of this mode was reported. 2. Data Link with Notebook means data application transferred mode between EUT and Notebook. 3. 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
C4	Ipod/HD/U Disk	USB					X	X
C5	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.

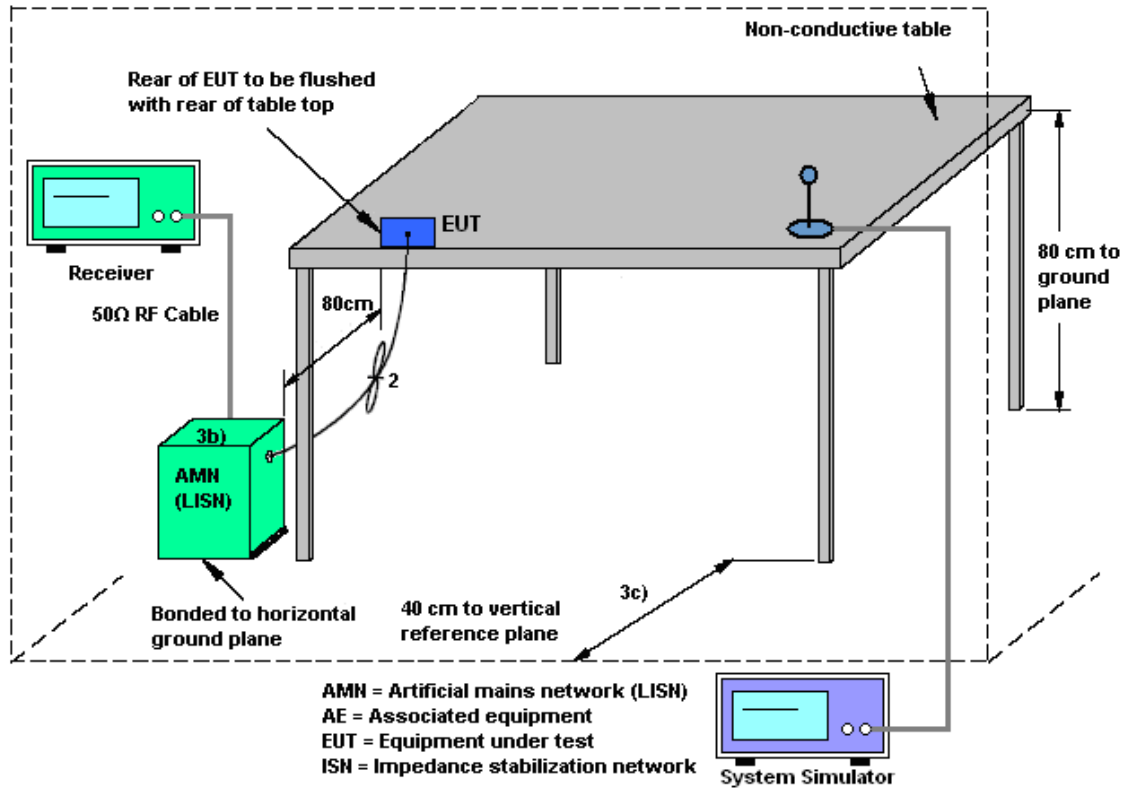
3.1.2. Measuring Instruments

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

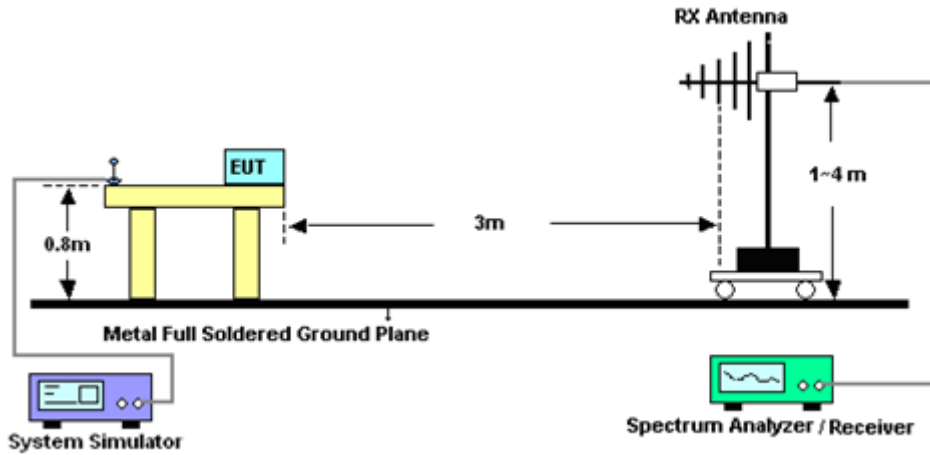
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

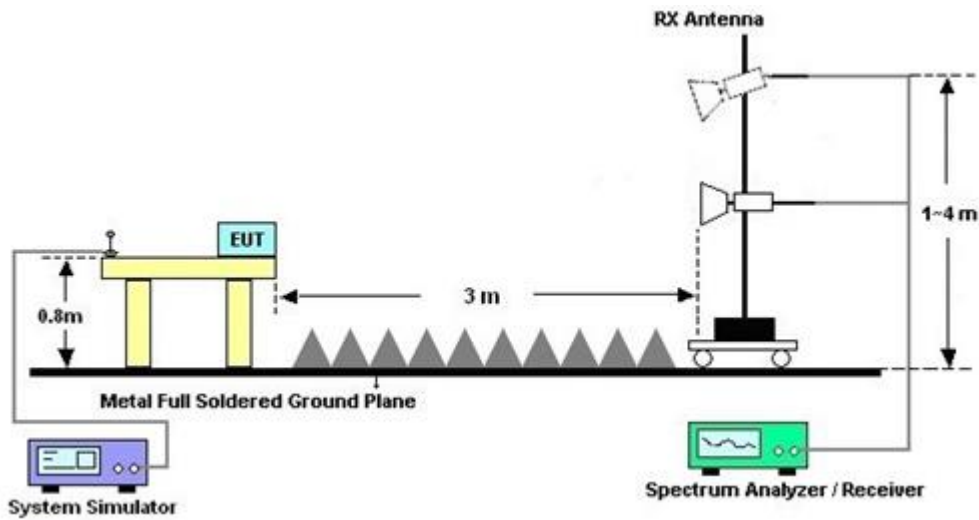
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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 (dB μ V/m) = 20 log Emission level (μ V/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. 26, 2021	Apr. 20, 2022	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 14, 2021	Dec. 26, 2021	Oct. 13, 2022	Conduction (CO01-KS)
AC LISN	R&S	ENV216	100334	9kHz~30MHz	Oct. 14, 2021	Dec. 26, 2021	Oct. 13, 2022	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 14, 2021	Dec. 26, 2021	Oct. 13, 2022	Conduction (CO01-KS)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz;Max 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~26.5GHz	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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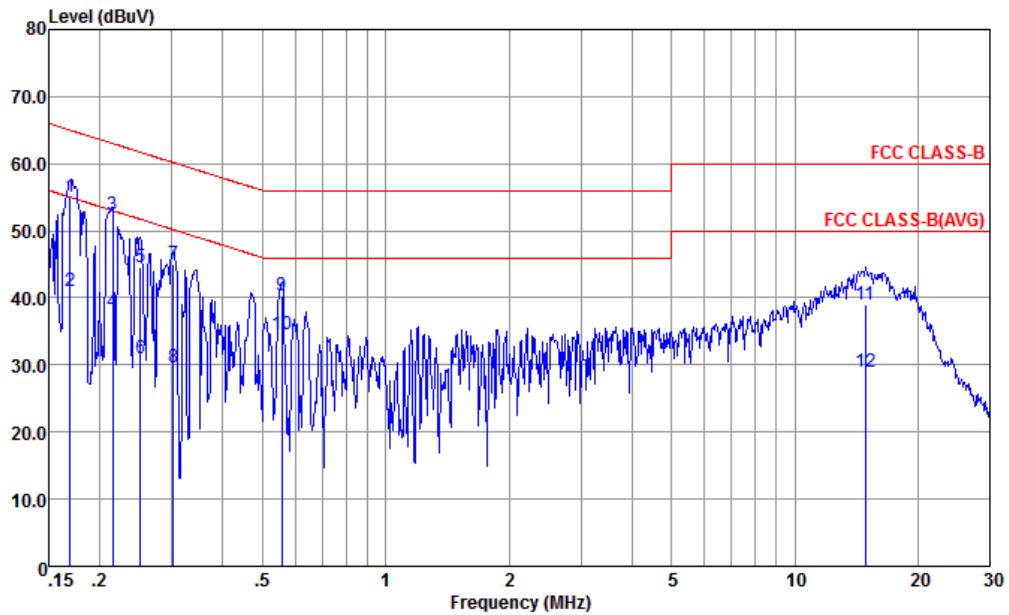
Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

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.		

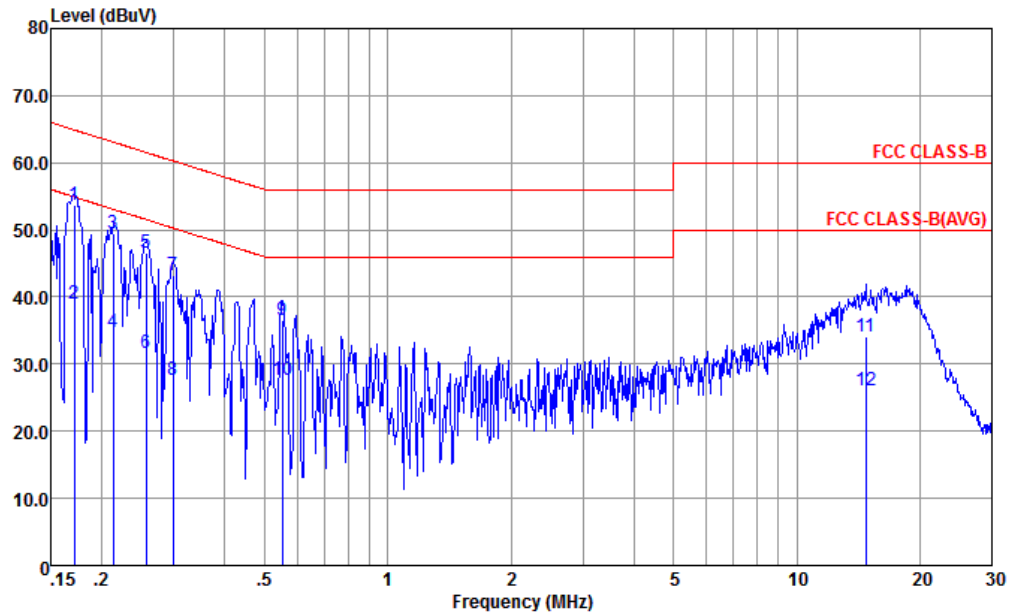


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-L LINE
 Project : (FC) 1D0403
 mode : Mode 1

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.169	54.96	-10.03	64.99	44.50	0.03	10.43	QP
2	0.169	41.06	-13.93	54.99	30.60	0.03	10.43	Average
3	0.215	52.30	-10.71	63.01	41.90	0.05	10.35	QP
4	0.215	37.90	-15.11	53.01	27.50	0.05	10.35	Average
5	0.251	44.59	-17.14	61.73	34.20	0.06	10.33	QP
6	0.251	30.99	-20.74	51.73	20.60	0.06	10.33	Average
7	0.302	44.98	-15.21	60.19	34.60	0.07	10.31	QP
8	0.302	29.58	-20.61	50.19	19.20	0.07	10.31	Average
9	0.558	40.44	-15.56	56.00	30.10	0.10	10.24	QP
10	0.558	34.44	-11.56	46.00	24.10	0.10	10.24	Average
11	14.907	38.89	-21.11	60.00	28.20	0.30	10.39	QP
12	14.907	28.99	-21.01	50.00	18.30	0.30	10.39	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.		

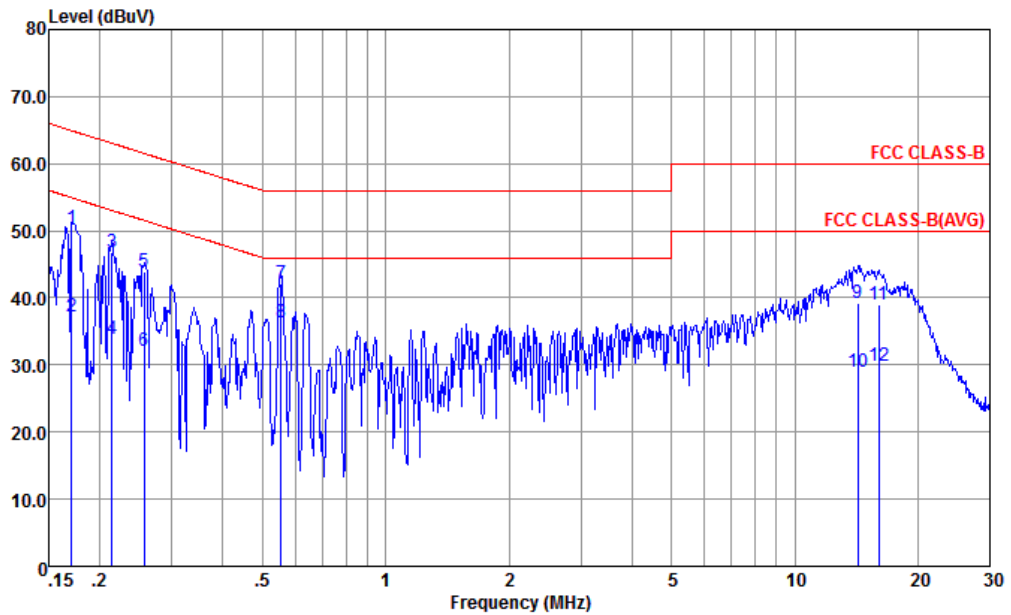


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-N NEUTRAL
 Project : (FC) 1D0403
 mode : Mode 1

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.171	53.63	-11.27	64.90	43.09	0.11	10.43	QP
2	0.171	39.03	-15.87	54.90	28.49	0.11	10.43	Average
3	0.213	49.56	-13.54	63.10	39.10	0.10	10.36	QP
4	0.213	34.76	-18.34	53.10	24.30	0.10	10.36	Average
5	0.256	46.63	-14.93	61.56	36.20	0.10	10.33	QP
6	0.256	31.73	-19.83	51.56	21.30	0.10	10.33	Average
7	0.299	43.21	-17.07	60.28	32.80	0.10	10.31	QP
8	0.299	27.61	-22.67	50.28	17.20	0.10	10.31	Average
9	0.552	36.55	-19.45	56.00	26.20	0.11	10.24	QP
10	0.552	27.55	-18.45	46.00	17.20	0.11	10.24	Average
11	14.750	34.00	-26.00	60.00	23.30	0.31	10.39	QP
12	14.750	26.00	-24.00	50.00	15.30	0.31	10.39	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.		

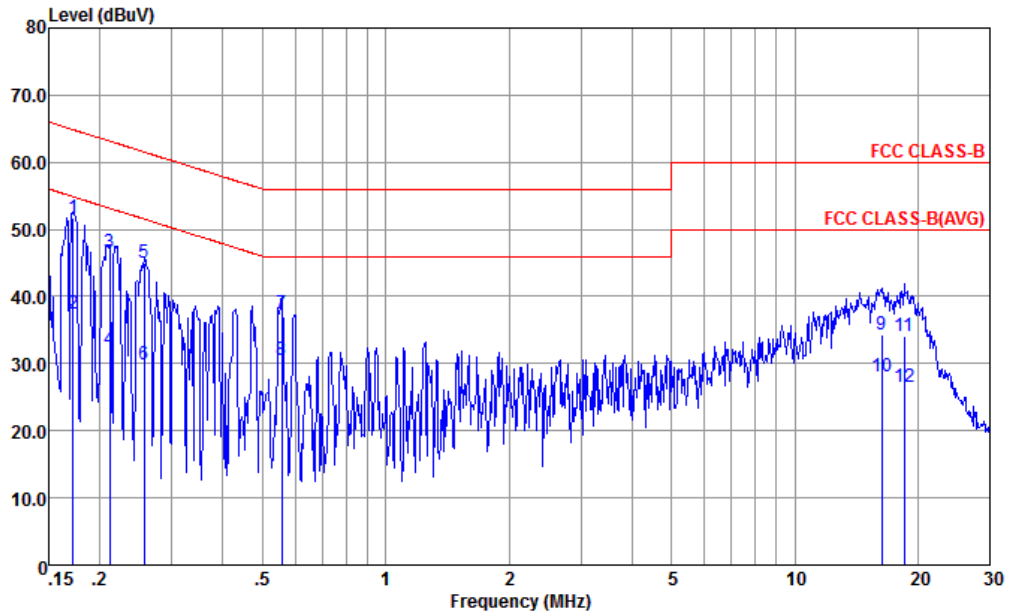


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-L LINE
 Project : (FC) 1D0403
 mode : Mode 2

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.170	50.36	-14.58	64.94	39.90	0.03	10.43	QP
2	0.170	37.26	-17.68	54.94	26.80	0.03	10.43	Average
3	0.214	46.90	-16.15	63.05	36.50	0.05	10.35	QP
4	0.214	33.90	-19.15	53.05	23.50	0.05	10.35	Average
5	0.256	43.89	-17.67	61.56	33.50	0.06	10.33	QP
6	0.256	31.99	-19.57	51.56	21.60	0.06	10.33	Average
7	0.555	42.14	-13.86	56.00	31.80	0.10	10.24	QP
8 *	0.555	36.24	-9.76	46.00	25.90	0.10	10.24	Average
9	14.288	39.28	-20.72	60.00	28.60	0.29	10.39	QP
10	14.288	28.88	-21.12	50.00	18.20	0.29	10.39	Average
11	16.055	38.96	-21.04	60.00	28.20	0.34	10.42	QP
12	16.055	29.96	-20.04	50.00	19.20	0.34	10.42	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.		

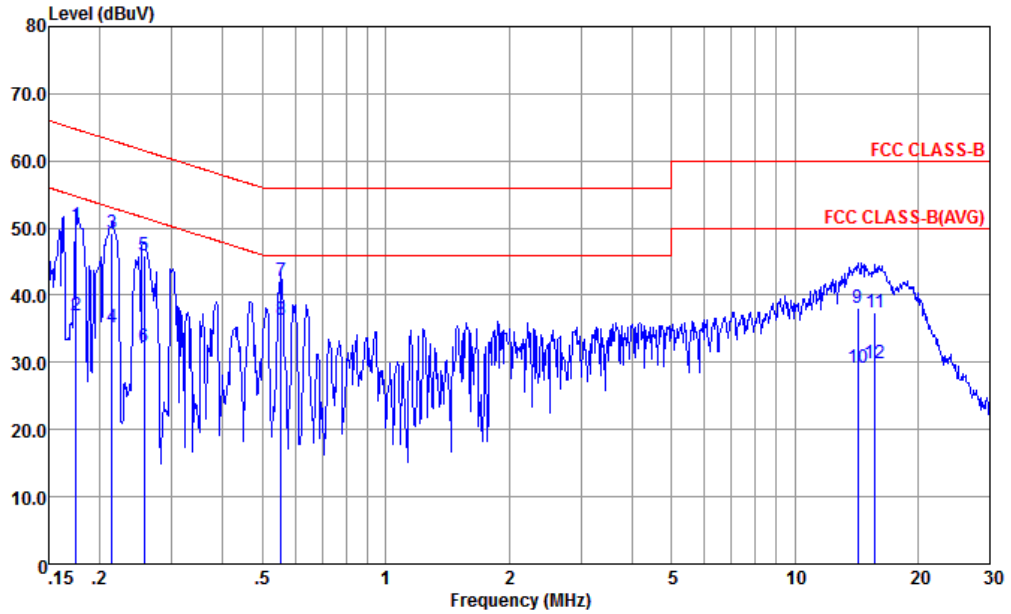


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-N NEUTRAL
 Project : (FC) 1D0403
 mode : Mode 2

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.172	51.73	-13.13	64.86	41.20	0.11	10.42	QP
2	0.172	37.33	-17.53	54.86	26.80	0.11	10.42	Average
3	0.212	46.66	-16.48	63.14	36.20	0.10	10.36	QP
4	0.212	32.06	-21.08	53.14	21.60	0.10	10.36	Average
5	0.256	44.93	-16.63	61.56	34.50	0.10	10.33	QP
6	0.256	29.93	-21.63	51.56	19.50	0.10	10.33	Average
7	0.558	37.55	-18.45	56.00	27.20	0.11	10.24	QP
8	0.558	30.55	-15.45	46.00	20.20	0.11	10.24	Average
9	16.312	34.39	-25.61	60.00	23.60	0.37	10.42	QP
10	16.312	27.99	-22.01	50.00	17.20	0.37	10.42	Average
11	18.524	34.03	-25.97	60.00	23.09	0.47	10.47	QP
12	18.524	26.43	-23.57	50.00	15.49	0.47	10.47	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.		

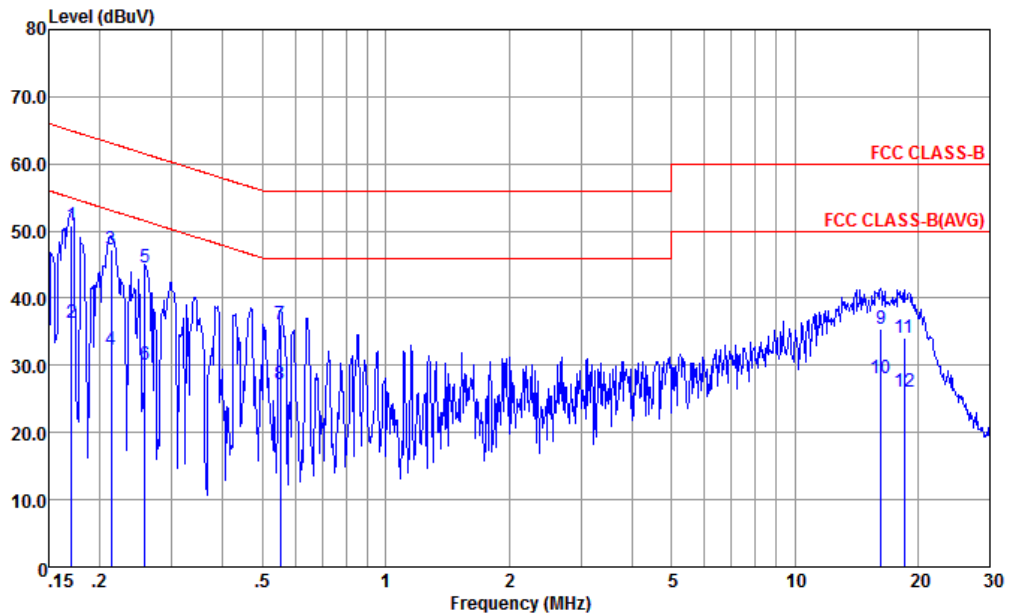


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-L LINE
 Project : (FC) 1D0403
 mode : Mode 3

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.175	50.35	-14.37	64.72	39.90	0.03	10.42	QP
2	0.175	37.05	-17.67	54.72	26.60	0.03	10.42	Average
3	0.214	49.30	-13.75	63.05	38.90	0.05	10.35	QP
4	0.214	35.30	-17.75	53.05	24.90	0.05	10.35	Average
5	0.256	45.89	-15.67	61.56	35.50	0.06	10.33	QP
6	0.256	32.29	-19.27	51.56	21.90	0.06	10.33	Average
7	0.555	42.14	-13.86	56.00	31.80	0.10	10.24	QP
8 *	0.555	36.24	-9.76	46.00	25.90	0.10	10.24	Average
9	14.288	38.18	-21.82	60.00	27.50	0.29	10.39	QP
10	14.288	29.28	-20.72	50.00	18.60	0.29	10.39	Average
11	15.718	37.54	-22.46	60.00	26.80	0.33	10.41	QP
12	15.718	29.94	-20.06	50.00	19.20	0.33	10.41	Average



Mode :	Mode 3	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.		

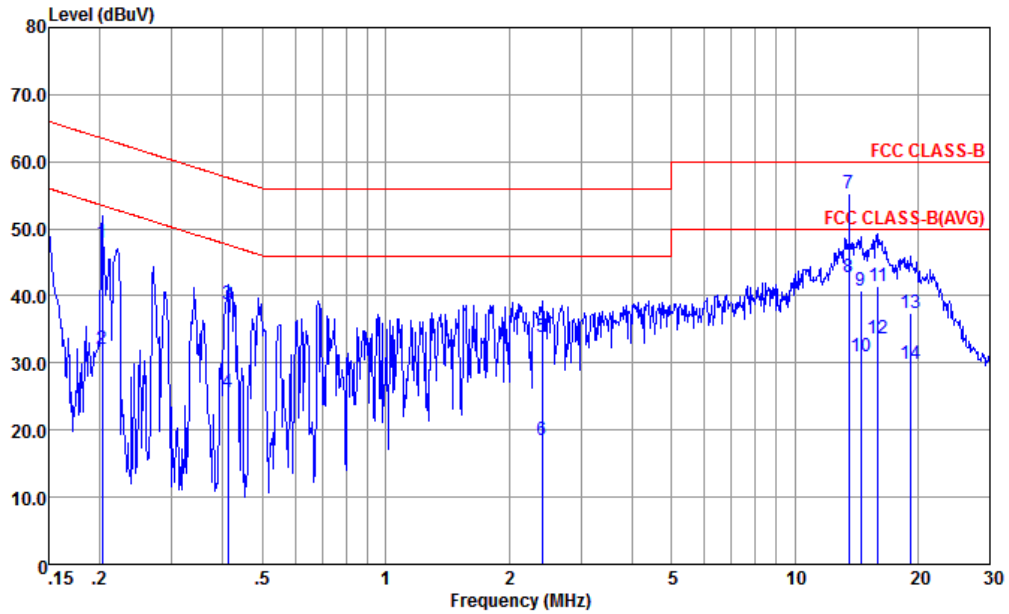


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-N NEUTRAL
 Project : (FC) 1D0403
 mode : Mode 3

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.170	50.73	-14.21	64.94	40.19	0.11	10.43	QP
2	0.170	36.43	-18.51	54.94	25.89	0.11	10.43	Average
3	0.213	47.26	-15.84	63.10	36.80	0.10	10.36	QP
4	0.213	32.36	-20.74	53.10	21.90	0.10	10.36	Average
5	0.258	44.53	-16.98	61.51	34.10	0.10	10.33	QP
6	0.258	30.03	-21.48	51.51	19.60	0.10	10.33	Average
7	0.552	36.15	-19.85	56.00	25.80	0.11	10.24	QP
8	0.552	27.15	-18.85	46.00	16.80	0.11	10.24	Average
9	16.226	35.39	-24.61	60.00	24.61	0.36	10.42	QP
10	16.226	27.99	-22.01	50.00	17.21	0.36	10.42	Average
11	18.524	34.13	-25.87	60.00	23.19	0.47	10.47	QP
12	18.524	26.03	-23.97	50.00	15.09	0.47	10.47	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.		

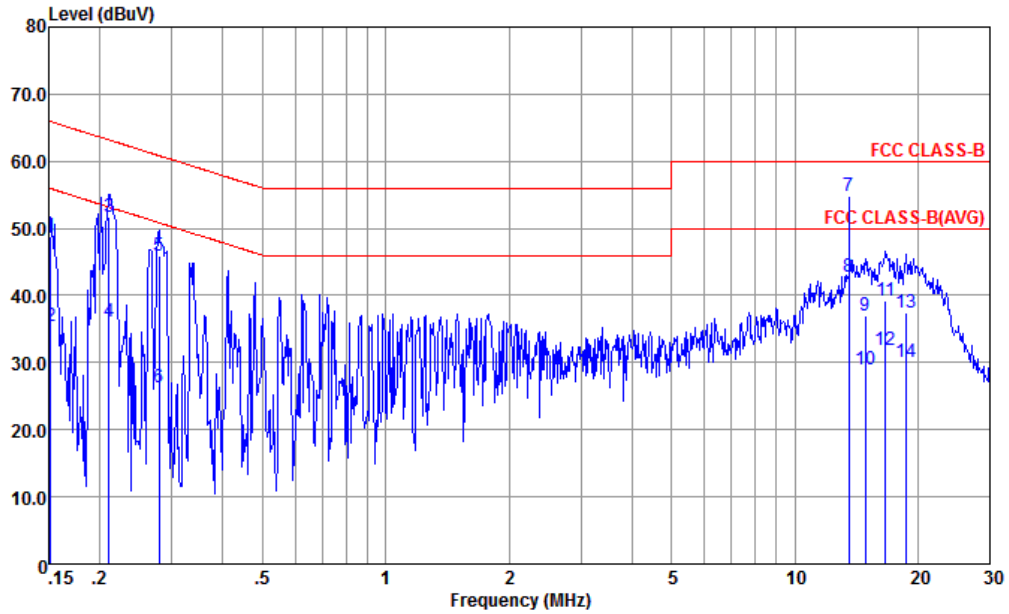


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-L LINE
 Project : (FC) 1D0403
 mode : Mode 4

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.203	47.90	-15.59	63.49	37.50	0.04	10.36	QP
2	0.203	32.00	-21.49	53.49	21.60	0.04	10.36	Average
3	0.410	38.85	-18.79	57.64	28.50	0.09	10.26	QP
4	0.410	25.55	-22.09	47.64	15.20	0.09	10.26	Average
5	2.409	33.98	-22.02	56.00	23.61	0.14	10.23	QP
6	2.409	18.58	-27.42	46.00	8.21	0.14	10.23	Average
7 *	13.560	55.26	-4.74	60.00	44.60	0.28	10.38	QP
8	13.560	42.86	-7.14	50.00	32.20	0.28	10.38	Average
9	14.517	40.79	-19.21	60.00	30.11	0.29	10.39	QP
10	14.517	30.99	-19.01	50.00	20.31	0.29	10.39	Average
11	15.970	41.35	-18.65	60.00	30.59	0.34	10.42	QP
12	15.970	33.55	-16.45	50.00	22.79	0.34	10.42	Average
13	19.122	37.53	-22.47	60.00	26.59	0.46	10.48	QP
14	19.122	29.83	-20.17	50.00	18.89	0.46	10.48	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.		

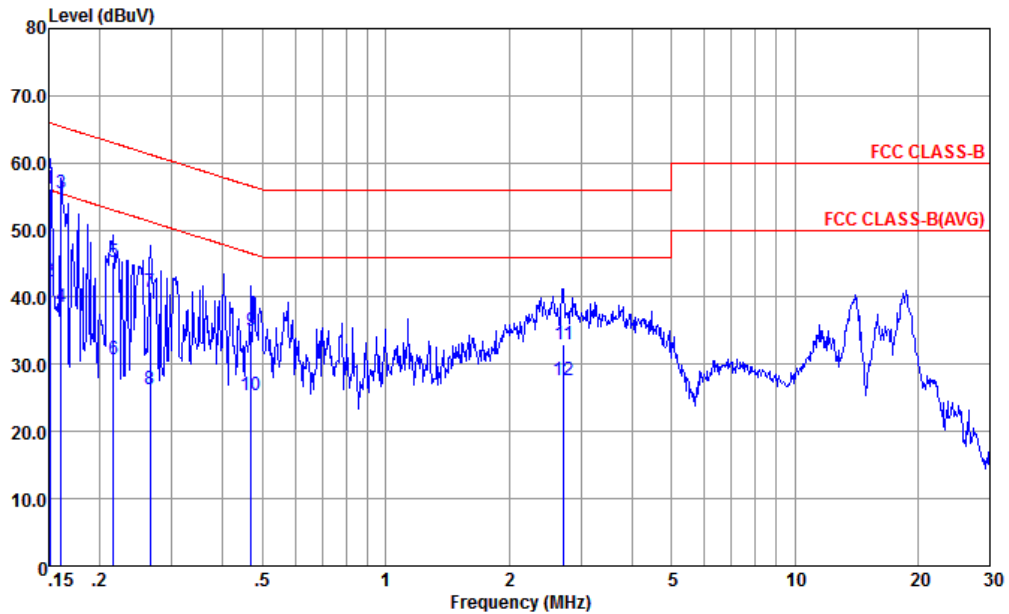


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-N NEUTRAL
 Project : (FC) 1D0403
 mode : Mode 4

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.152	48.79	-17.12	65.91	38.20	0.11	10.48	QP
2	0.152	35.39	-20.52	55.91	24.80	0.11	10.48	Average
3	0.211	51.66	-11.52	63.18	41.20	0.10	10.36	QP
4	0.211	36.06	-17.12	53.18	25.60	0.10	10.36	Average
5	0.279	45.92	-14.93	60.85	35.50	0.10	10.32	QP
6	0.279	26.22	-24.63	50.85	15.80	0.10	10.32	Average
7 *	13.560	54.87	-5.13	60.00	44.20	0.29	10.38	QP
8	13.560	42.77	-7.23	50.00	32.10	0.29	10.38	Average
9	14.907	36.90	-23.10	60.00	26.20	0.31	10.39	QP
10	14.907	28.90	-21.10	50.00	18.20	0.31	10.39	Average
11	16.661	39.31	-20.69	60.00	28.50	0.38	10.43	QP
12	16.661	31.91	-18.09	50.00	21.10	0.38	10.43	Average
13	18.721	37.54	-22.46	60.00	26.60	0.47	10.47	QP
14	18.721	30.14	-19.86	50.00	19.20	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.		

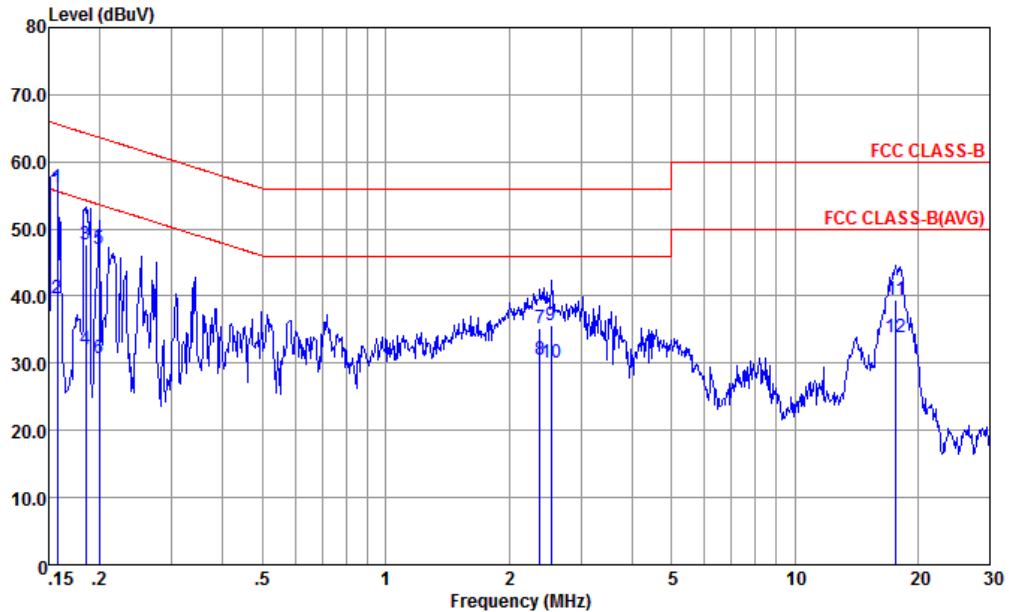


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-L LINE
 Project : (FC) 1D0403
 mode : Mode 5

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.151	56.10	-9.86	65.96	45.60	0.02	10.48	QP
2	0.151	42.30	-13.66	55.96	31.80	0.02	10.48	Average
3 *	0.161	55.58	-9.85	65.43	45.11	0.02	10.45	QP
4	0.161	38.58	-16.85	55.43	28.11	0.02	10.45	Average
5	0.216	45.20	-17.76	62.96	34.80	0.05	10.35	QP
6	0.216	30.70	-22.26	52.96	20.30	0.05	10.35	Average
7	0.266	40.89	-20.36	61.25	30.51	0.06	10.32	QP
8	0.266	26.29	-24.96	51.25	15.91	0.06	10.32	Average
9	0.469	34.94	-21.60	56.54	24.60	0.10	10.24	QP
10	0.469	25.44	-21.10	46.54	15.10	0.10	10.24	Average
11	2.721	32.99	-23.01	56.00	22.60	0.15	10.24	QP
12	2.721	27.59	-18.41	46.00	17.20	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.		

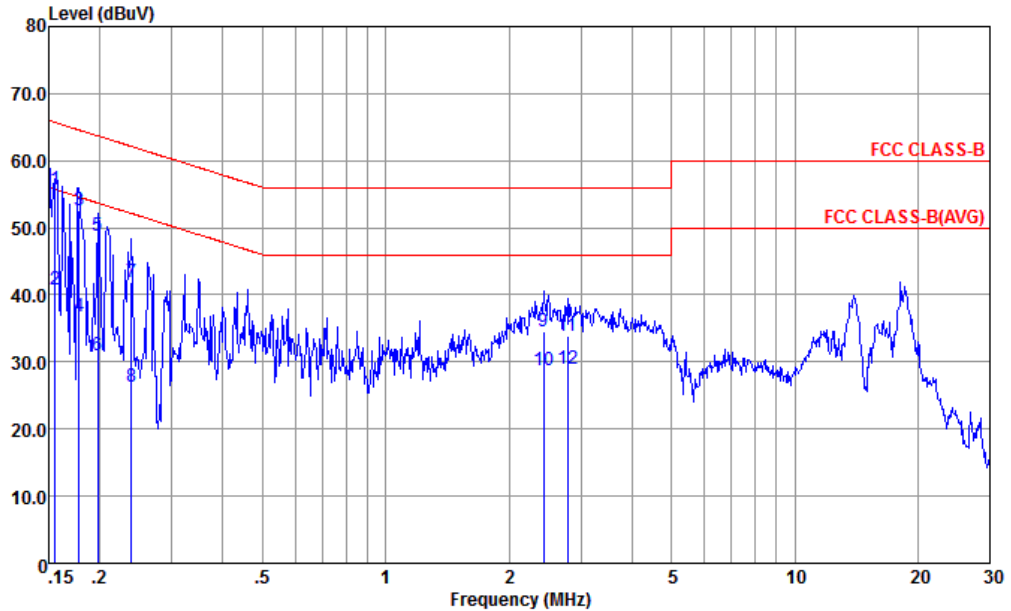


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-N NEUTRAL
 Project : (FC) 1D0403
 mode : Mode 5

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.157	56.07	-9.53	65.60	45.50	0.11	10.46	QP
2	0.157	39.77	-15.83	55.60	29.20	0.11	10.46	Average
3	0.184	47.70	-16.58	64.28	37.20	0.10	10.40	QP
4	0.184	32.10	-22.18	54.28	21.60	0.10	10.40	Average
5	0.200	47.06	-16.56	63.62	36.60	0.10	10.36	QP
6	0.200	30.66	-22.96	53.62	20.20	0.10	10.36	Average
7	2.384	35.28	-20.72	56.00	24.91	0.14	10.23	QP
8	2.384	30.58	-15.42	46.00	20.21	0.14	10.23	Average
9	2.540	35.58	-20.42	56.00	25.19	0.15	10.24	QP
10	2.540	29.98	-16.02	46.00	19.59	0.15	10.24	Average
11	17.661	39.38	-20.62	60.00	28.50	0.43	10.45	QP
12	17.661	33.78	-16.22	50.00	22.90	0.43	10.45	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.		

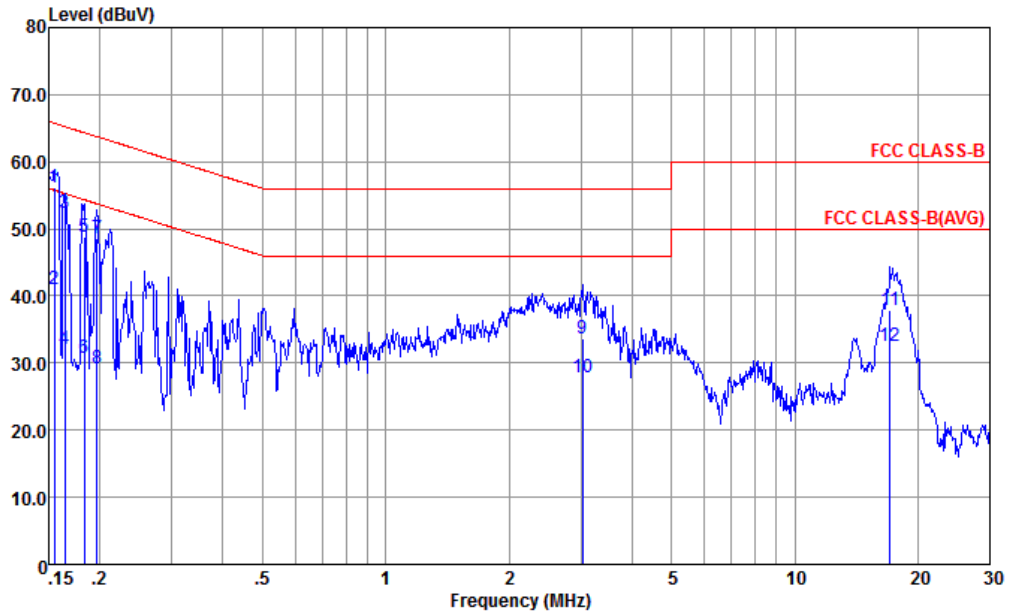


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-L LINE
 Project : (FC) 1D0403
 mode : Mode 6

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.156	55.69	-10.00	65.69	45.20	0.02	10.47	QP
2	0.156	40.79	-14.90	55.69	30.30	0.02	10.47	Average
3	0.178	52.64	-11.95	64.59	42.20	0.03	10.41	QP
4	0.178	36.84	-17.75	54.59	26.40	0.03	10.41	Average
5	0.198	48.91	-14.80	63.71	38.50	0.04	10.37	QP
6	0.198	31.01	-22.70	53.71	20.60	0.04	10.37	Average
7	0.239	41.89	-20.24	62.13	31.50	0.05	10.34	QP
8	0.239	26.19	-25.94	52.13	15.80	0.05	10.34	Average
9	2.435	34.48	-21.52	56.00	24.11	0.14	10.23	QP
10	2.435	28.68	-17.32	46.00	18.31	0.14	10.23	Average
11	2.779	33.89	-22.11	56.00	23.50	0.15	10.24	QP
12	2.779	28.99	-17.01	46.00	18.60	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) 1D0403
 mode : Mode 6

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.155	56.07	-9.67	65.74	45.49	0.11	10.47	QP
2	0.155	41.07	-14.67	55.74	30.49	0.11	10.47	Average
3	0.164	52.35	-12.90	65.25	41.80	0.11	10.44	QP
4	0.164	32.15	-23.10	55.25	21.60	0.11	10.44	Average
5	0.183	48.70	-15.63	64.33	38.20	0.10	10.40	QP
6	0.183	30.70	-23.63	54.33	20.20	0.10	10.40	Average
7	0.197	48.67	-15.09	63.76	38.20	0.10	10.37	QP
8	0.197	29.27	-24.49	53.76	18.80	0.10	10.37	Average
9	3.025	33.59	-22.41	56.00	23.20	0.15	10.24	QP
10	3.025	27.89	-18.11	46.00	17.50	0.15	10.24	Average
11	17.109	37.87	-22.13	60.00	27.02	0.41	10.44	QP
12	17.109	32.45	-17.55	50.00	21.60	0.41	10.44	Average

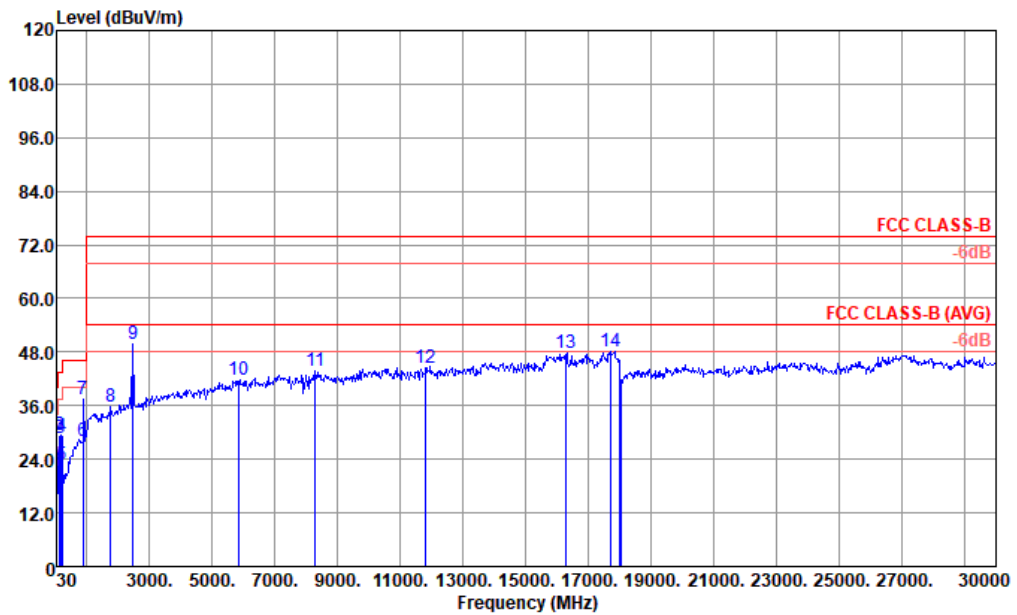
Note:

- 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 & #7 are system simulator signals 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.		

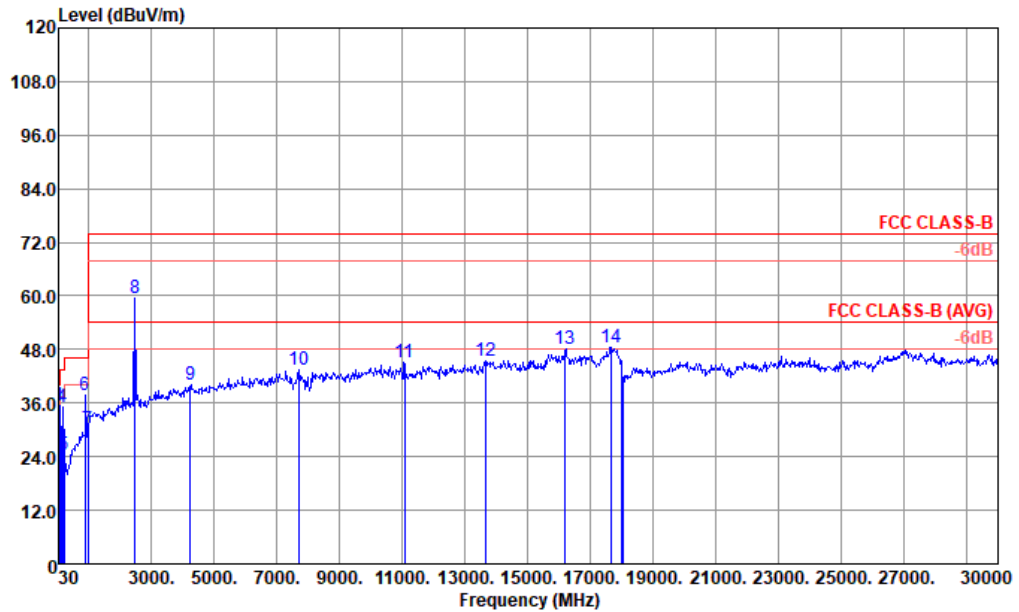


Site : 03CH06-KS
 Condition : FCC CLASS-B 3m CBL6111D SN23188 HORIZONTAL
 Project : (FC)1D0403
 Mode : 1

	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	30.97	21.39	-18.61	40.00	27.46	24.59	0.59	31.25	---	---	Peak
2	105.66	28.59	-14.91	43.50	41.41	17.31	1.67	31.80	---	---	Peak
3	147.37	29.32	-14.18	43.50	42.07	16.65	1.95	31.35	---	---	Peak
4	185.20	29.01	-14.49	43.50	42.35	15.79	2.20	31.33	---	---	Peak
5	210.42	22.72	-20.78	43.50	35.60	16.11	2.35	31.34	---	---	Peak
6	870.99	28.20			27.95	26.69	4.81	31.25	---	---	Peak
7	881.66	37.34			37.01	26.70	4.84	31.21	---	---	Peak
8	1748.00	35.71	-38.29	74.00	60.37	29.10	6.12	59.88	---	---	Peak
9	2462.00	49.75			71.20	31.10	7.25	59.80	---	---	Peak
10	5862.00	41.82	-32.18	74.00	54.77	35.79	11.38	60.12	---	---	Peak
11	8276.00	43.86	-30.14	74.00	53.92	37.07	13.69	60.82	---	---	Peak
12	11795.00	44.40	-29.60	74.00	49.25	38.76	16.61	60.22	---	---	Peak
13	16300.00	47.82	-26.18	74.00	45.49	41.71	19.83	59.21	---	---	Peak
14	17694.00	48.04	-25.96	74.00	42.19	42.47	20.73	57.35	---	---	Peak



Mode :	Mode 1	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. #8 is RF signals which come from Bluetooth/WLAN Access Point used to connect the EUT, and which can be ignored.		

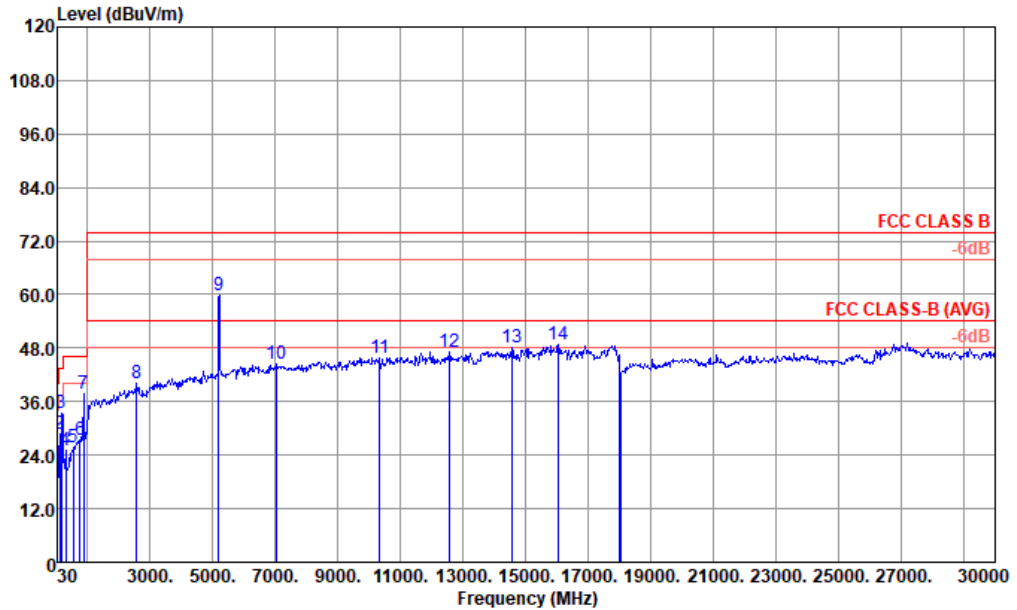


Site : 03CH06-KS
 Condition : FCC CLASS-B 3m CBL6111D SN23188 VERTICAL
 Project : (FC)1D0403
 Mode : 1

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1 !	41.64	35.59	-4.41	40.00	47.63	18.86	0.75	31.65	100	189 Peak
2	76.56	23.80	-16.20	40.00	40.67	13.71	1.27	31.85	---	Peak
3	106.63	26.49	-17.01	43.50	38.58	18.02	1.68	31.79	---	Peak
4	154.16	35.26	-8.24	43.50	47.17	17.41	2.00	31.32	---	Peak
5	210.42	24.33	-19.17	43.50	36.36	16.96	2.35	31.34	---	Peak
6	881.66	37.88			36.92	27.33	4.84	31.21	---	Peak
7	980.60	30.17	-23.83	54.00	27.27	28.21	5.10	30.41	---	Peak
8	2462.00	59.44			80.89	31.10	7.25	59.80	---	Peak
9	4230.00	40.26	-33.74	74.00	56.76	34.00	9.60	60.10	---	Peak
10	7681.00	43.51	-30.49	74.00	54.28	36.70	13.11	60.58	---	Peak
11	11064.00	45.07	-28.93	74.00	51.16	38.55	15.89	60.53	---	Peak
12	13648.00	45.50	-28.50	74.00	47.83	39.98	17.78	60.09	---	Peak
13	16198.00	48.00	-26.00	74.00	45.86	41.74	19.76	59.36	---	Peak
14	17643.00	48.55	-25.45	74.00	42.86	42.40	20.70	57.41	---	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.		

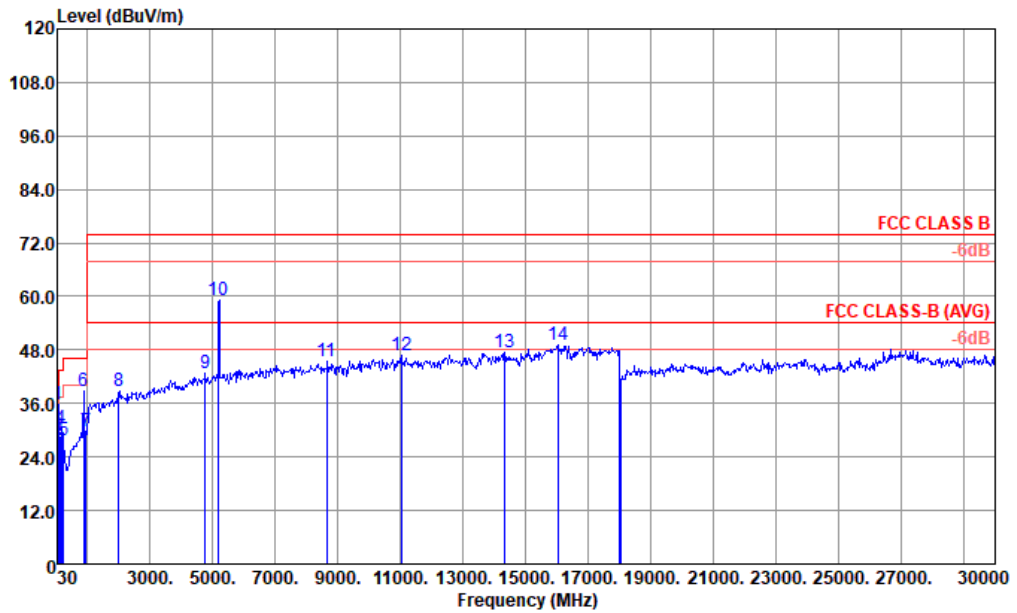


Site : 03CH06-KS
 Condition : FCC CLASS B 3m CBL6111D SN23188 HORIZONTAL
 Project : (FC)1D0403
 Mode : 2

	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	30.97	21.97	-18.03	40.00	28.04	24.59	0.59	31.25	---	---	Peak
2	106.63	28.90	-14.60	43.50	41.72	17.29	1.68	31.79	---	---	Peak
3	172.59	33.34	-10.16	43.50	46.47	16.08	2.12	31.33	---	---	Peak
4	294.81	25.19	-20.81	46.00	34.89	19.13	2.78	31.61	---	---	Peak
5	544.10	25.62	-20.38	46.00	28.42	25.02	3.79	31.61	---	---	Peak
6	748.77	27.48	-18.52	46.00	28.46	25.68	4.45	31.11	---	---	Peak
7	870.99	37.61	---	---	37.36	26.69	4.81	31.25	---	---	Peak
8	2564.00	40.03	-33.97	74.00	61.18	31.16	7.38	59.69	---	---	Peak
9	5199.00	59.87	---	---	74.12	35.08	10.71	60.04	---	---	Peak
10	7035.00	44.34	-29.66	74.00	55.78	36.51	12.51	60.46	---	---	Peak
11	10333.00	45.90	-28.10	74.00	52.93	38.31	15.35	60.69	---	---	Peak
12	12543.00	47.05	-26.95	74.00	50.80	39.27	17.07	60.09	---	---	Peak
13	14566.00	48.10	-25.90	74.00	49.93	39.76	18.44	60.03	---	---	Peak
14	16028.00	48.91	-25.09	74.00	47.08	41.79	19.64	59.60	---	---	Peak



Mode :	Mode 2	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.		

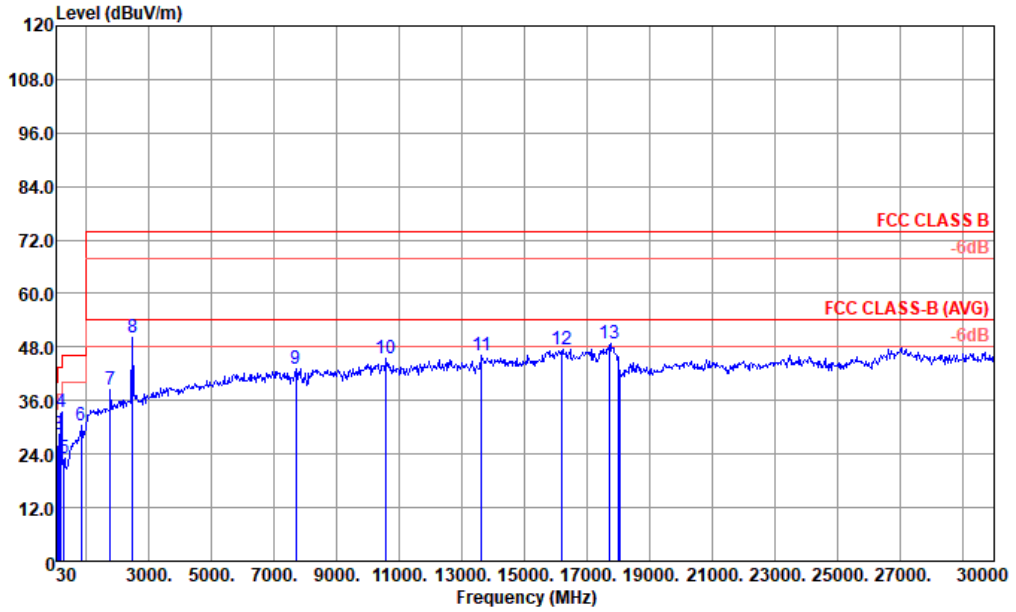


Site : 03CH06-KS
 Condition : FCC CLASS B 3m CBL6111D SN23188 VERTICAL
 Project : (FC)1D0403
 Mode : 2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1 !	42.61	35.68	-4.32	40.00	48.23	18.34	0.77	31.66	100	169 Peak
2	56.19	28.68	-11.32	40.00	45.01	14.04	0.97	31.34	---	Peak
3	108.57	26.44	-17.06	43.50	38.51	18.00	1.70	31.77	---	Peak
4	153.19	30.35	-13.15	43.50	42.25	17.43	1.99	31.32	---	Peak
5	228.85	27.65	-18.35	46.00	38.47	18.09	2.44	31.35	---	Peak
6	870.99	38.62	---	---	37.78	27.28	4.81	31.25	---	Peak
7	948.59	29.69	-16.31	46.00	27.12	27.89	5.02	30.34	---	Peak
8	2003.00	38.90	-35.10	74.00	61.68	30.00	6.53	59.31	---	Peak
9	4757.00	42.69	-31.31	74.00	58.12	34.45	10.17	60.05	---	Peak
10	5199.00	59.03	---	---	73.28	35.08	10.71	60.04	---	Peak
11	8650.00	45.45	-28.55	74.00	55.30	37.26	13.97	61.08	---	Peak
12	11030.00	46.82	-27.18	74.00	52.96	38.54	15.85	60.53	---	Peak
13	14311.00	47.49	-26.51	74.00	49.54	39.73	18.26	60.04	---	Peak
14	16028.00	49.08	-24.92	74.00	47.25	41.79	19.64	59.60	---	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.		

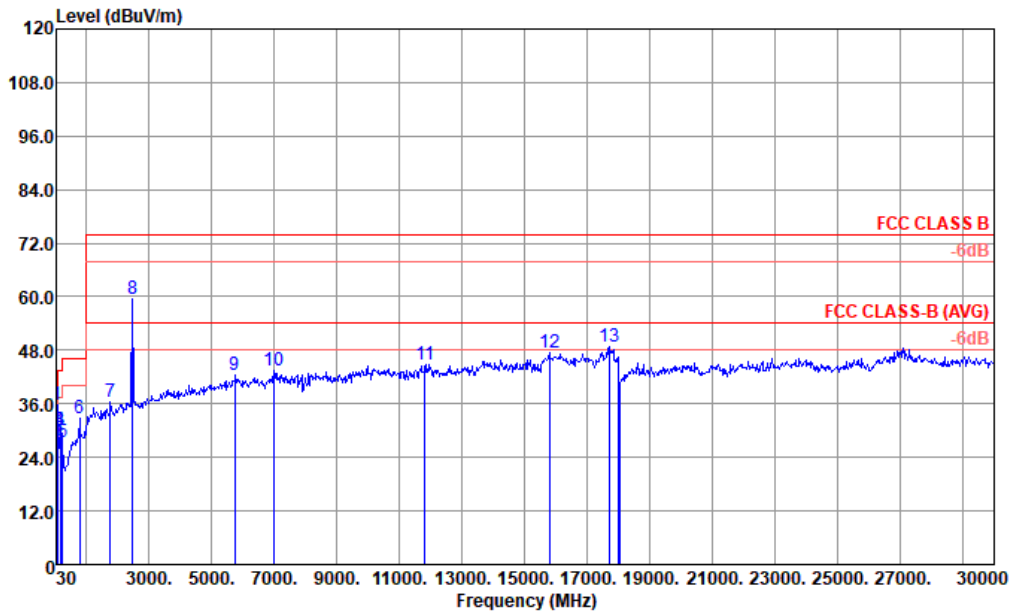


Site : 03CH06-KS
 Condition : FCC CLASS B 3m CBL6111D SN23188 HORIZONTAL
 Project : (FC)1D0403
 Mode : 3

	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	30.00	21.61	-18.39	40.00	27.11	25.15	0.58	31.23	---	---	Peak
2	81.41	21.15	-18.85	40.00	37.90	13.71	1.35	31.81	---	---	Peak
3	108.57	28.58	-14.92	43.50	41.39	17.26	1.70	31.77	---	---	Peak
4	174.53	33.53	-9.97	43.50	46.69	16.04	2.13	31.33	---	---	Peak
5	287.05	23.17	-22.83	46.00	32.97	19.03	2.74	31.57	---	---	Peak
6	827.34	30.44	-15.56	46.00	30.62	26.42	4.68	31.28	---	---	Peak
7	1765.00	38.43	-35.57	74.00	63.05	29.16	6.15	59.93	---	---	Peak
8	2462.00	50.13			71.58	31.10	7.25	59.80	---	---	Peak
9	7681.00	43.19	-30.81	74.00	53.96	36.70	13.11	60.58	---	---	Peak
10	10554.00	45.50	-28.50	74.00	52.25	38.38	15.51	60.64	---	---	Peak
11	13614.00	46.25	-27.75	74.00	48.60	40.00	17.75	60.10	---	---	Peak
12	16198.00	47.56	-26.44	74.00	45.42	41.74	19.76	59.36	---	---	Peak
13	17728.00	48.92	-25.08	74.00	42.96	42.52	20.75	57.31	---	---	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.		

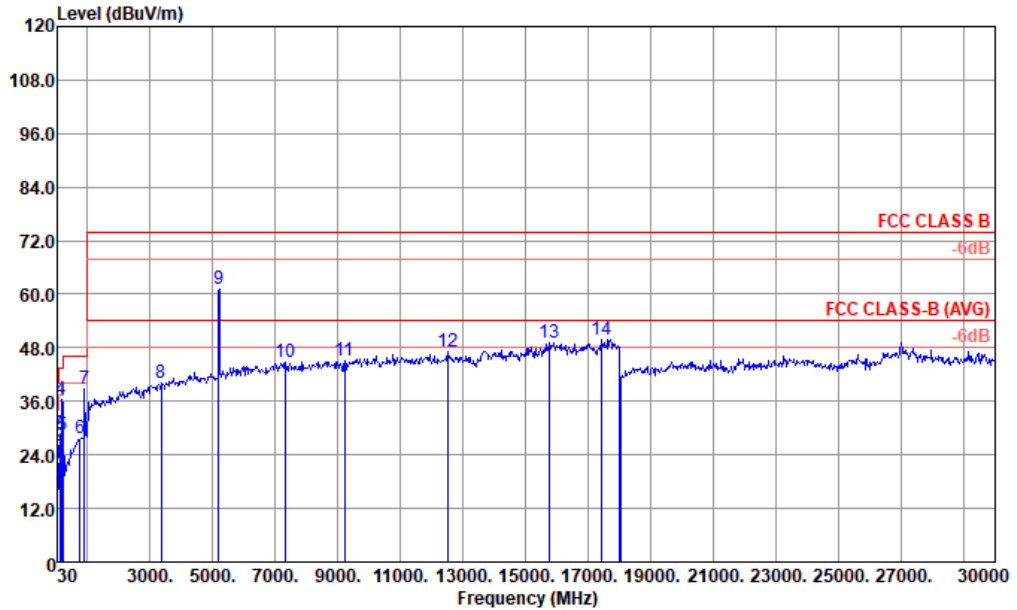


Site : 03CH06-KS
 Condition : FCC CLASS B 3m CBL6111D SN23188 VERTICAL
 Project : (FC)1D0403
 Mode : 3

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		
1 !	40.67	35.83	-4.17	40.00	47.37	19.38	0.73	31.65	100	251 Peak	
2	81.41	26.92	-13.08	40.00	43.18	14.20	1.35	31.81	---	---	Peak
3	151.25	29.94	-13.56	43.50	41.80	17.48	1.98	31.32	---	---	Peak
4	169.68	30.10	-13.40	43.50	42.30	17.03	2.10	31.33	---	---	Peak
5	230.79	27.41	-18.59	46.00	38.10	18.21	2.45	31.35	---	---	Peak
6	781.75	32.64	-13.36	46.00	32.53	26.75	4.55	31.19	---	---	Peak
7	1748.00	36.48	-37.52	74.00	61.14	29.10	6.12	59.88	---	---	Peak
8	2462.00	59.63			81.08	31.10	7.25	59.80	---	---	Peak
9	5743.00	42.36	-31.64	74.00	55.58	35.65	11.27	60.14	---	---	Peak
10	6984.00	43.34	-30.66	74.00	54.80	36.50	12.47	60.43	---	---	Peak
11	11812.00	44.77	-29.23	74.00	49.59	38.76	16.63	60.21	---	---	Peak
12	15790.00	47.43	-26.57	74.00	46.36	41.36	19.44	59.73	---	---	Peak
13	17711.00	48.90	-25.10	74.00	42.99	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.		

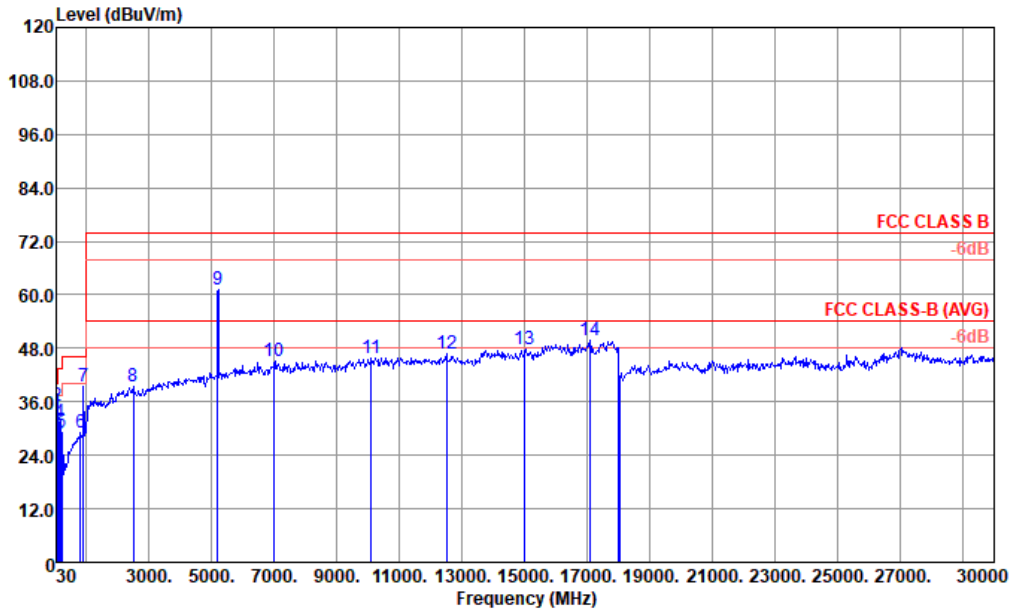


Site : 03CH06-KS
 Condition : FCC CLASS B 3m CBL6111D SN23188 HORIZONTAL
 Project : (FC)1D0403
 Mode : 4

	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	30.97	21.95	-18.05	40.00	28.02	24.59	0.59	31.25	---	---	Peak
2	105.66	26.07	-17.43	43.50	38.89	17.31	1.67	31.80	---	---	Peak
3	147.37	28.73	-14.77	43.50	41.48	16.65	1.95	31.35	---	---	Peak
4	171.62	36.35	-7.15	43.50	49.47	16.10	2.11	31.33	---	---	Peak
5	211.39	28.50	-15.00	43.50	41.31	16.17	2.36	31.34	---	---	Peak
6	759.44	27.86	-18.14	46.00	28.74	25.77	4.48	31.13	---	---	Peak
7	891.36	38.61			38.22	26.70	4.87	31.18	---	---	Peak
8	3363.00	40.19	-33.81	74.00	59.12	32.53	8.52	59.98	---	---	Peak
9	5199.00	61.33			75.58	35.08	10.71	60.04	---	---	Peak
10	7324.00	44.68	-29.32	74.00	55.87	36.56	12.77	60.52	---	---	Peak
11	9211.00	45.01	-28.99	74.00	54.20	37.52	14.48	61.19	---	---	Peak
12	12509.00	47.24	-26.76	74.00	51.04	39.24	17.05	60.09	---	---	Peak
13	15739.00	49.15	-24.85	74.00	48.24	41.26	19.40	59.75	---	---	Peak
14	17439.00	49.90	-24.10	74.00	44.87	42.12	20.57	57.66	---	---	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.		

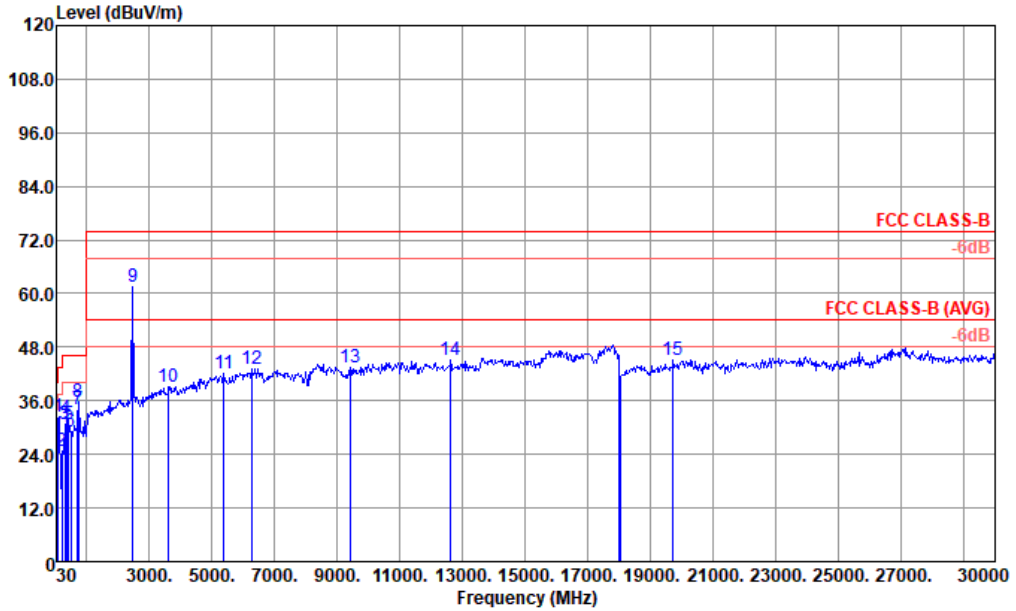


Site : 03CH06-KS
 Condition : FCC CLASS B 3m CBL6111D SN23188 VERTICAL
 Project : (FC]1D0403
 Mode : 4

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	41.64	33.63	-6.37	40.00	45.67	18.86	0.75	31.65	100	261 QP
2 !	71.71	35.23	-4.77	40.00	52.58	13.35	1.19	31.89	---	Peak
3	106.63	28.34	-15.16	43.50	40.43	18.02	1.68	31.79	---	Peak
4	151.25	31.54	-11.96	43.50	43.40	17.48	1.98	31.32	---	Peak
5	211.39	29.06	-14.44	43.50	41.02	17.02	2.36	31.34	---	Peak
6	801.15	29.22	-16.78	46.00	28.94	26.91	4.60	31.23	---	Peak
7	891.36	39.29	---	---	38.23	27.37	4.87	31.18	---	Peak
8	2496.00	39.39	-34.61	74.00	60.62	31.17	7.30	59.70	---	Peak
9	5199.00	61.03	---	---	75.28	35.08	10.71	60.04	---	Peak
10	7001.00	44.96	-29.04	74.00	56.43	36.50	12.48	60.45	---	Peak
11	10095.00	45.83	-28.17	74.00	53.16	38.23	15.18	60.74	---	Peak
12	12492.00	46.95	-27.05	74.00	50.76	39.23	17.05	60.09	---	Peak
13	15008.00	47.79	-26.21	74.00	49.26	39.80	18.75	60.02	---	Peak
14	17082.00	49.68	-24.32	74.00	45.81	41.62	20.35	58.10	---	Peak



Mode :	Mode 5	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#1 is FM signal which can be ignored.		

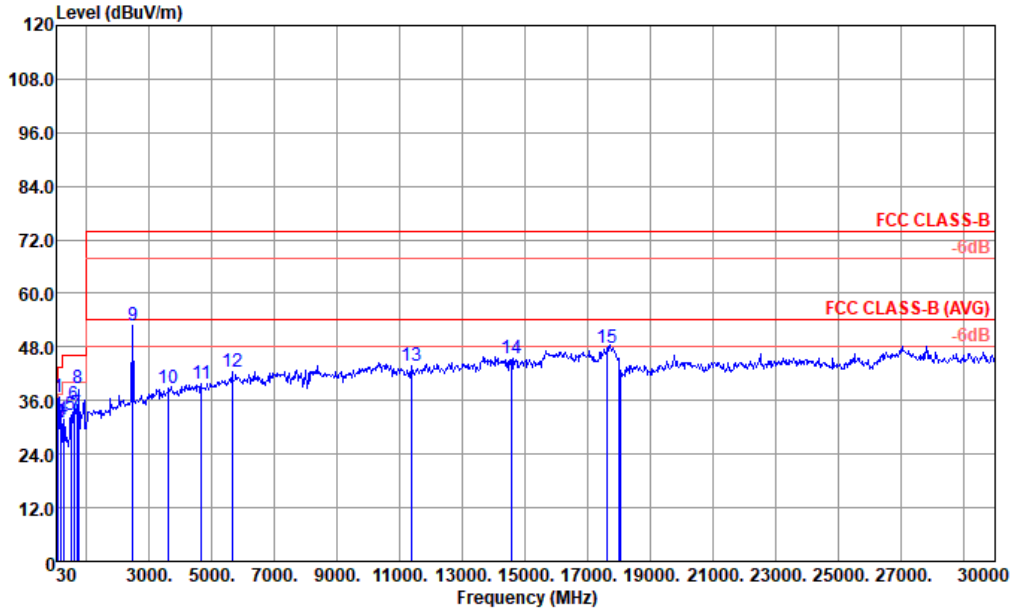


Site : 03CH06-KS
 Condition : FCC CLASS-B 3m CBL6111DSN23188 HORIZONTAL

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna 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	32.51			47.83	15.03	1.45	31.80	---	---	Peak	HOR IZONT
2	213.33	24.64	-18.86	43.50	37.33	16.29	2.37	31.35	---	---	Peak	HOR IZONT
3	297.72	30.89	-15.11	46.00	40.55	19.17	2.80	31.63	---	---	Peak	HOR IZONT
4	360.77	32.08	-13.92	46.00	39.88	20.68	3.08	31.56	---	---	Peak	HOR IZONT
5	422.85	30.89	-15.11	46.00	36.62	22.16	3.35	31.24	---	---	Peak	HOR IZONT
6	494.63	28.99	-17.01	46.00	33.00	23.69	3.61	31.31	---	---	Peak	HOR IZONT
7	719.67	34.04	-11.96	46.00	35.48	25.33	4.36	31.13	---	---	Peak	HOR IZONT
8	734.22	35.82	-10.18	46.00	37.03	25.50	4.41	31.12	---	---	Peak	HOR IZONT
9	2462.00	61.61	-12.39	74.00	83.06	31.10	7.25	59.80	---	---	Peak	HOR IZONT
10	3601.00	39.22	-34.78	74.00	57.30	33.00	8.83	59.91	---	---	Peak	HOR IZONT
11	5369.00	42.24	-31.76	74.00	56.30	35.24	10.79	60.09	---	---	Peak	HOR IZONT
12	6287.00	43.21	-30.79	74.00	55.91	35.64	11.78	60.12	---	---	Peak	HOR IZONT
13	9415.00	43.36	-30.64	74.00	52.13	37.65	14.66	61.08	---	---	Peak	HOR IZONT
14	12611.00	45.02	-28.98	74.00	48.68	39.33	17.10	60.09	---	---	Peak	HOR IZONT
15	19704.00	45.19	-28.81	74.00	36.19	36.93	23.70	51.63	---	---	Peak	HOR IZONT



Mode :	Mode 5	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Remark :	#1 is FM signal which can be ignored.		

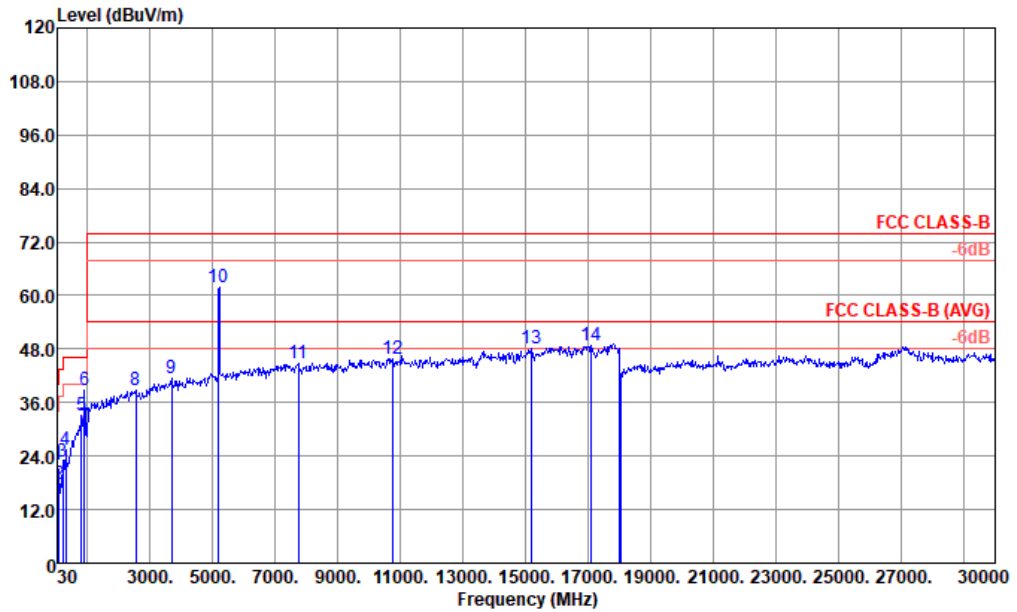


Site : 03CH06-KS
 Condition : FCC CLASS-B 3m CBL6111DSN23188 VERTICAL

	Freq	Level	Over	Limit	ReadAntenna	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	36.60			51.35	15.60	1.45	31.80	---	---	Peak	VERTICAL
2	156.10	31.00	-12.50	43.50	42.95	17.36	2.01	31.32	---	---	Peak	VERTICAL
3	172.59	31.04	-12.46	43.50	43.29	16.96	2.12	31.33	---	---	Peak	VERTICAL
4	263.77	31.69	-14.31	46.00	40.89	19.62	2.62	31.44	---	---	Peak	VERTICAL
5	504.33	32.86	-13.14	46.00	35.96	24.61	3.64	31.35	---	---	Peak	VERTICAL
6	599.39	35.12	-10.88	46.00	36.89	25.51	3.99	31.27	---	---	Peak	VERTICAL
7	677.96	33.25	-12.75	46.00	34.45	25.79	4.24	31.23	---	---	Peak	VERTICAL
8	734.22	38.81	-7.19	46.00	39.27	26.25	4.41	31.12	---	---	Peak	VERTICAL
9	2462.00	52.89	-21.11	74.00	74.34	31.10	7.25	59.80	---	---	Peak	VERTICAL
10	3618.00	38.81	-35.19	74.00	56.82	33.01	8.85	59.87	---	---	Peak	VERTICAL
11	4655.00	39.80	-34.20	74.00	55.55	34.27	10.05	60.07	---	---	Peak	VERTICAL
12	5641.00	42.33	-31.67	74.00	55.82	35.50	11.16	60.15	---	---	Peak	VERTICAL
13	11370.00	43.76	-30.24	74.00	49.38	38.65	16.19	60.46	---	---	Peak	VERTICAL
14	14583.00	45.36	-28.64	74.00	47.18	39.76	18.45	60.03	---	---	Peak	VERTICAL
15	17609.00	47.96	-26.04	74.00	42.39	42.35	20.68	57.46	---	---	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.		

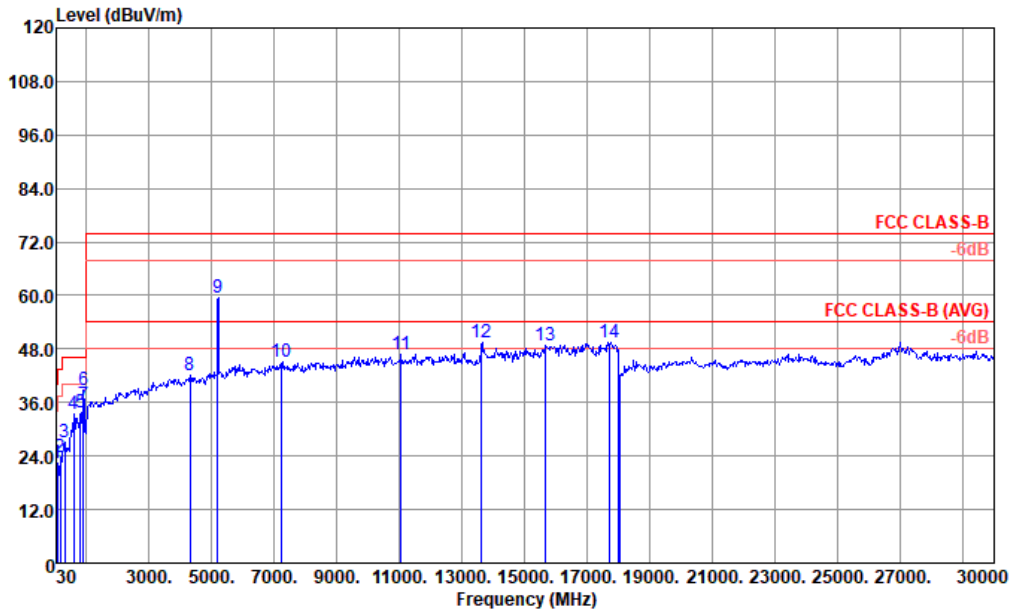


Site : 03CH06-KS
 Condition : FCC CLASS-B 3m CBL6111D SN23188 HORIZONTAL
 Project : (FC)1D0403
 Mode : 6

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	30.00	22.01	-17.99	40.00	27.51	25.15	0.58	31.23	---	Peak
2	98.87	17.75	-25.75	43.50	30.79	17.22	1.62	31.88	---	Peak
3	216.24	22.78	-23.22	46.00	35.28	16.47	2.38	31.35	---	Peak
4	295.78	25.38	-20.62	46.00	35.07	19.14	2.79	31.62	---	Peak
5	803.09	33.05	-12.95	46.00	33.55	26.13	4.61	31.24	---	Peak
6	891.36	38.90			38.51	26.70	4.87	31.18	---	Peak
7	896.21	30.72	-15.28	46.00	30.30	26.70	4.88	31.16	---	Peak
8	2547.00	38.80	-35.20	74.00	59.93	31.18	7.36	59.67	---	Peak
9	3686.00	41.53	-32.47	74.00	59.23	33.06	8.94	59.70	---	Peak
10	5199.00	61.75			76.00	35.08	10.71	60.04	---	Peak
11	7732.00	44.93	-29.07	74.00	55.63	36.73	13.16	60.59	---	Peak
12	10741.00	45.80	-28.20	74.00	52.32	38.44	15.64	60.60	---	Peak
13	15178.00	48.19	-25.81	74.00	49.11	40.14	18.90	59.96	---	Peak
14	17065.00	48.81	-25.19	74.00	45.00	41.59	20.34	58.12	---	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. #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)1D0403
 Mode : 6

	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	76.56	22.26	-17.74	40.00	39.13	13.71	1.27	31.85	---	---	Peak
2	155.13	23.76	-19.74	43.50	35.69	17.38	2.01	31.32	---	---	Peak
3	312.27	27.15	-18.85	46.00	35.43	20.50	2.86	31.64	---	---	Peak
4	600.36	33.32	-12.68	46.00	35.09	25.50	3.99	31.26	---	---	Peak
5	804.06	33.87	-12.13	46.00	33.58	26.92	4.61	31.24	---	---	Peak
6	891.36	38.93			37.87	27.37	4.87	31.18	---	---	Peak
7	899.12	35.38	-10.62	46.00	34.24	27.40	4.89	31.15	---	---	Peak
8	4315.00	42.12	-31.88	74.00	58.53	34.00	9.69	60.10	---	---	Peak
9	5199.00	59.55			73.80	35.08	10.71	60.04	---	---	Peak
10	7239.00	45.15	-28.85	74.00	56.41	36.55	12.69	60.50	---	---	Peak
11	11047.00	46.64	-27.36	74.00	52.75	38.55	15.87	60.53	---	---	Peak
12	13631.00	49.37	-24.63	74.00	51.70	39.99	17.77	60.09	---	---	Peak
13	15637.00	48.68	-25.32	74.00	48.10	41.05	19.31	59.78	---	---	Peak
14	17728.00	49.40	-24.60	74.00	43.44	42.52	20.75	57.31	---	---	Peak

————THE END————