

FCC EMI TEST REPORT

FCC ID : PY7-34943G
Equipment : GSM/WCDMA/LTE Phone with BT, DTS/UNII
a/b/g/n/ac, NFC 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. 20, 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**



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1. General Description	5
1.1. Product Feature of Equipment Under Test	5
1.2. Modification of EUT	5
1.3. Test Location	6
1.4. Applicable Standards	6
2. Test Configuration of Equipment Under Test	7
2.1. Test Mode	7
2.2. Connection Diagram of Test System	8
2.3. Support Unit used in test configuration and system	9
2.4. EUT Operation Test Setup	10
3. Test Result	11
3.1. Test of AC Conducted Emission Measurement	11
3.2. Test of Radiated Emission Measurement	13
4. List of Measuring Equipment.....	15
5. Uncertainty of Evaluation	16
Appendix A. AC Conducted Emission Test Result	
Appendix B. Radiated Emission Test Result	



History of this test report

Report No.	Version	Description	Issued Date
FC100310	01	Initial issue of report	Feb. 11, 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 4.54 dB at 13.560 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 4.60 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 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

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	0.549	004402543254142/004402543254159	Conducted Emission
		004402543252100/004402543252118	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

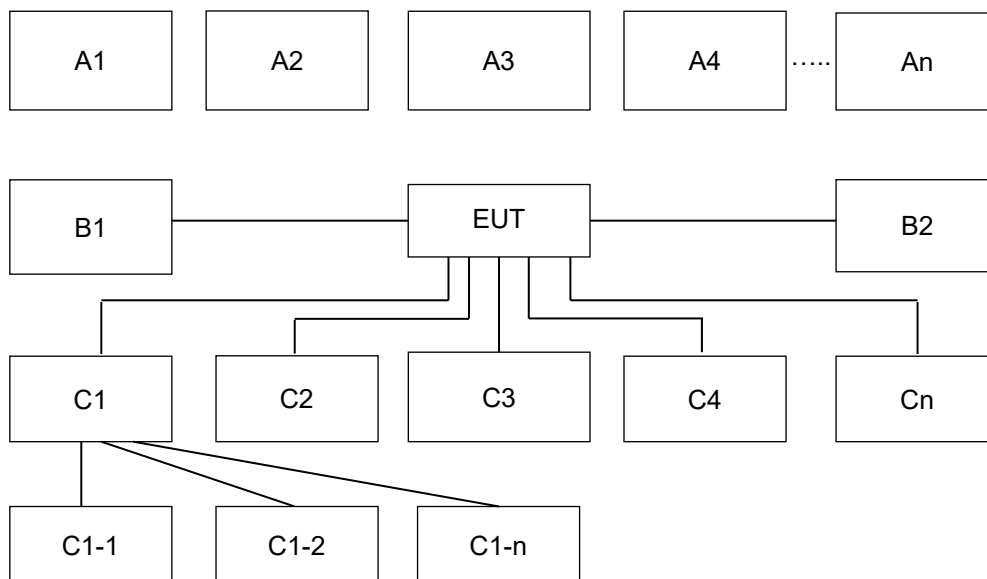
2.1. Test Mode

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 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 4 Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (2.4GHz) Idle + GNSS Rx + Earphone + USB Cable 1(Data Link with Notebook)
	Mode 6: LTE Band 41 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 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 4 Idle + Bluetooth Idle with Bluetooth Earphone + WLAN (2.4GHz) Idle + GNSS Rx + Earphone + USB Cable 1(Data Link with Notebook)
	Mode 6: LTE Band 41 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 5); 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	X	X	X	X	X	X	
A2	BT Earphone	Bluetooth	X	X	X	X	X	X	
A3	GPS/Glonass Station	GNSS	-	-	-	-	X	X	
A4	AP router	WiFi	X	X	X	X	X	X	
A5	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	-	-	
B2	Power from system	USB Cable	-	-	-	-	X	X	
No.	Setup Peripherals	Connection Type	1	2	3	4	5	6	
C1	Notebook	USB link	-	-	-	-	X	X	
C1-1	Hard Disk	USB Cable to C1	-	-	-	-	X	X	
C1-2	AP router	RJ 45 Cable to C1	-	-	-	-	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	

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	BT Earphone	Bluetooth	X	X	X	X	X	X	
A3	GPS/Glonass Station	GNSS	-	-	-	-	X	X	
A4	AP router	WiFi	X	X	X	X	X	X	
A5	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	-	-	
B2	Power from system	USB Cable	-	-	-	-	X	X	
No.	Setup Peripherals	Connection Type	1	2	3	4	5	6	
C1	Notebook	USB link	-	-	-	-	X	X	
C1-1	Hard Disk	USB Cable to C1	-	-	-	-	X	X	
C1-2	AP router	RJ 45 Cable to C1	-	-	-	-	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	

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.	Vector Signal Generator	R&S	SMBV100A	258305	N/A	N/A
4.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded, 1.8m
5.	WLAN AP	TP-Link	TL-WDR5600	N/A	N/A	Unshielded, 1.8m
6.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
7.	Notebook	Lenovo	S730-13IWL	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
8.	SD Card	Kingston	8GB	N/A	N/A	N/A
9.	Hard Disk	Lenovo	F310	DoC	Shielded, 1.2m	N/A
10.	Hard disk	KINGSHARE	KSP6120G	Fcc DoC	Shielded, 1.2m	N/A
11.	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

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.

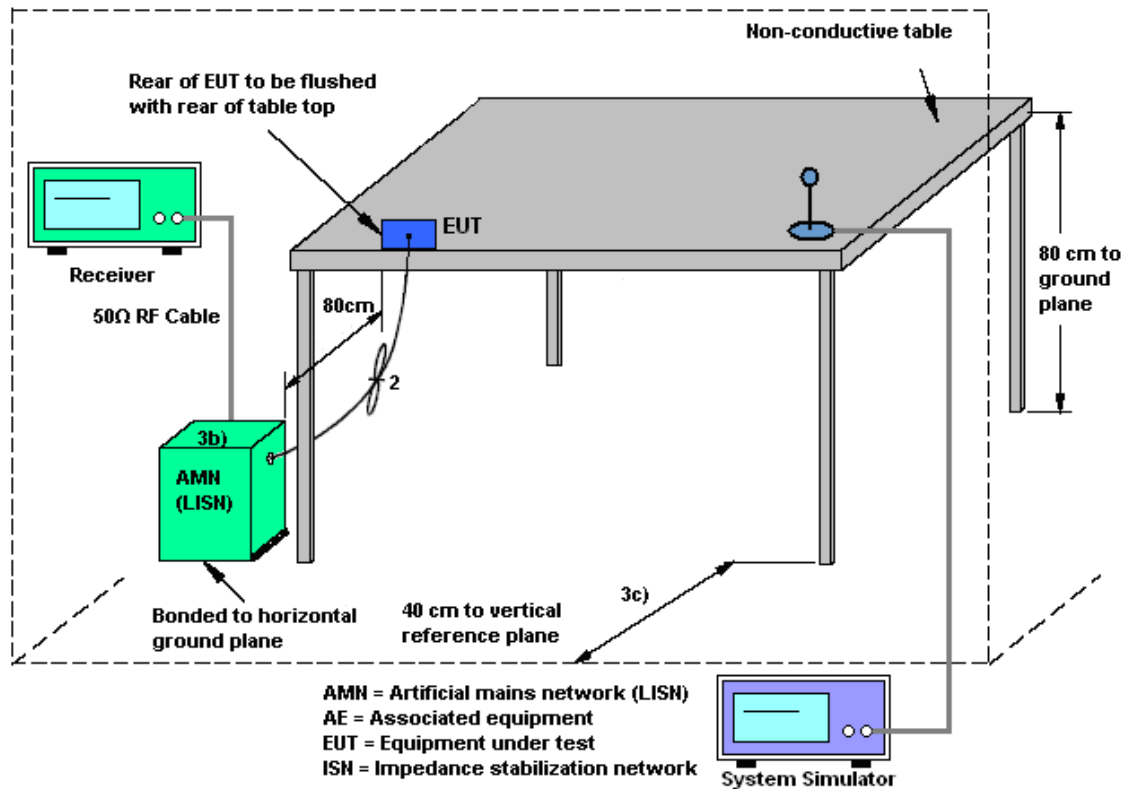
3.1.2. Measuring Instruments

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

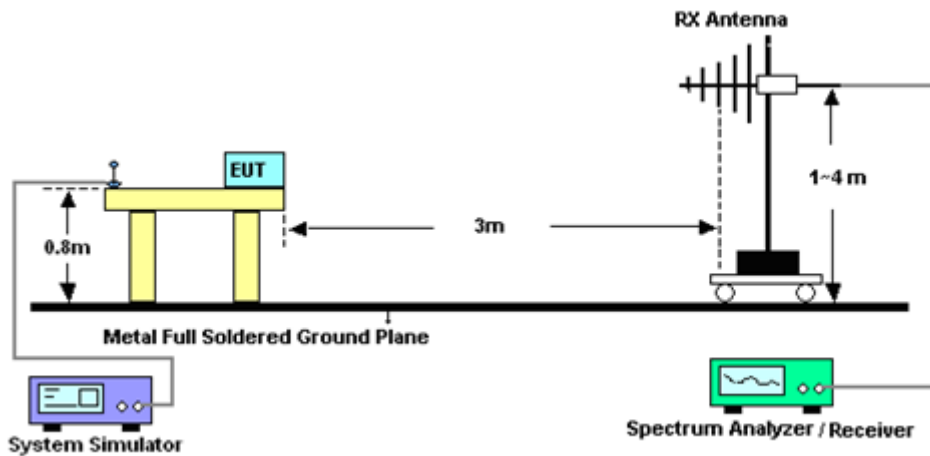
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

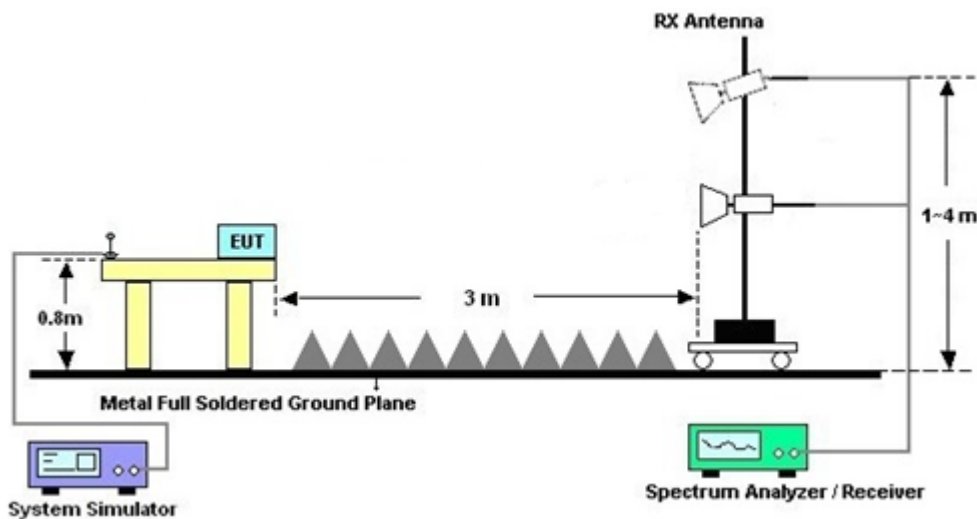
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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. 20, 2021	Apr. 20, 2022	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 14, 2021	Dec. 20, 2021	Oct. 13, 2022	Conduction (CO01-KS)
AC LISN	R&S	ENV216	100334	9kHz~30MHz	Oct. 14, 2021	Dec. 20, 2021	Oct. 13, 2022	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 14, 2021	Dec. 20, 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% ($U = 2U_c(y)$)	2.9dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

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

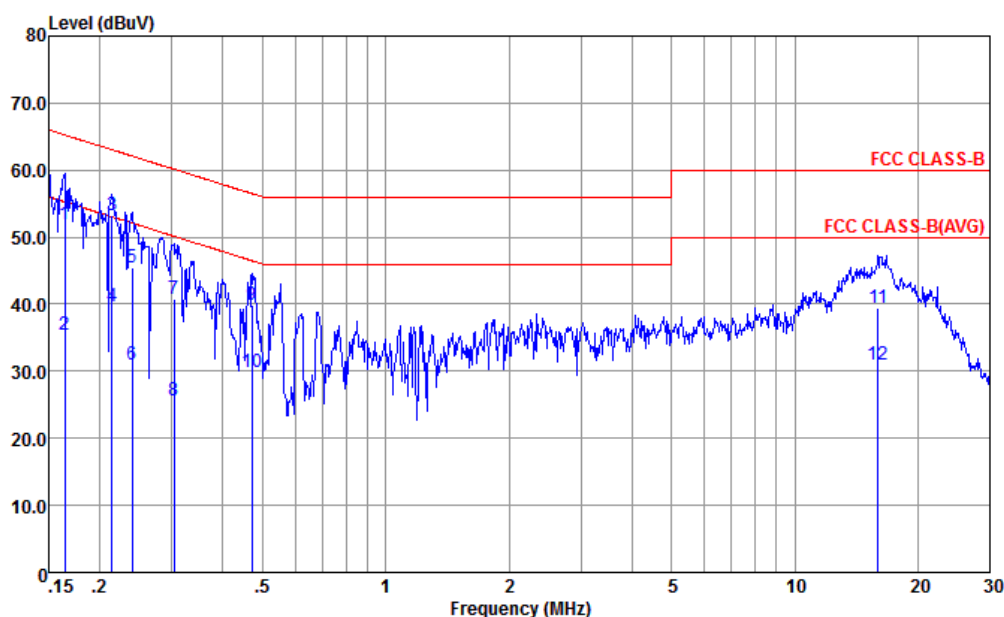
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.0dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.0dB
--	-------

Appendix A. AC Conducted Emission Test Results

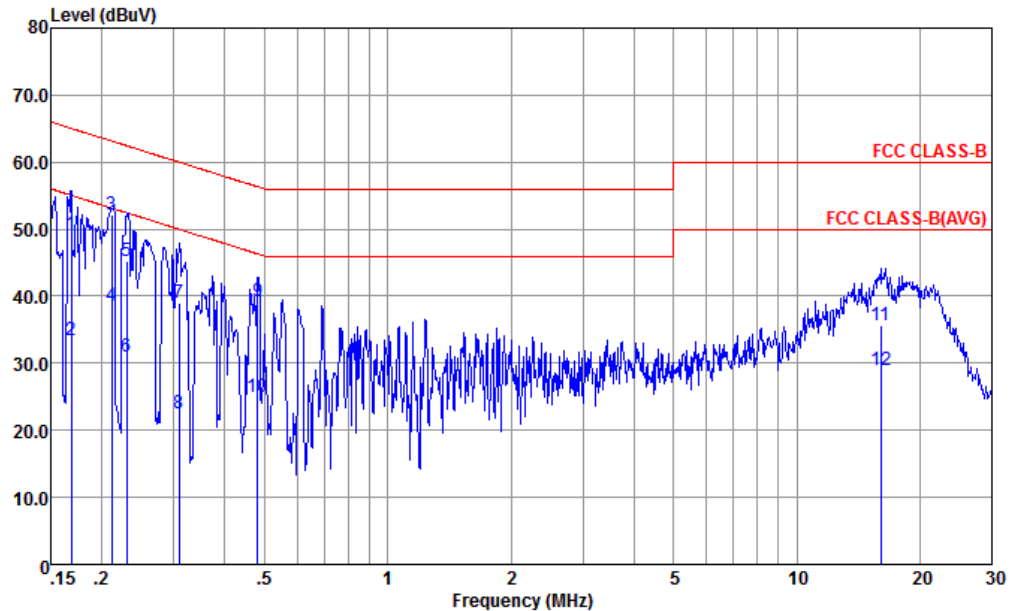
Mode :	Mode 1	Temperature :	25.3~26.2°C
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-L LINE
 Project : (FC) 1D0310
 mode : Mode 1

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.164	51.97	-13.28	65.25	41.50	0.03	10.44	QP
2	0.164	35.37	-19.88	55.25	24.90	0.03	10.44	Average
3 *	0.214	53.30	-9.75	63.05	42.90	0.05	10.35	QP
4	0.214	39.60	-13.45	53.05	29.20	0.05	10.35	Average
5	0.240	45.49	-16.59	62.08	35.10	0.05	10.34	QP
6	0.240	30.99	-21.09	52.08	20.60	0.05	10.34	Average
7	0.303	40.88	-19.27	60.15	30.50	0.07	10.31	QP
8	0.303	25.68	-24.57	50.15	15.20	0.07	10.31	Average
9	0.471	39.84	-16.65	56.49	29.50	0.10	10.24	QP
10	0.471	29.94	-16.55	46.49	19.60	0.10	10.24	Average
11	15.970	39.35	-20.65	60.00	28.59	0.34	10.42	QP
12	15.970	31.05	-18.95	50.00	20.29	0.34	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.		

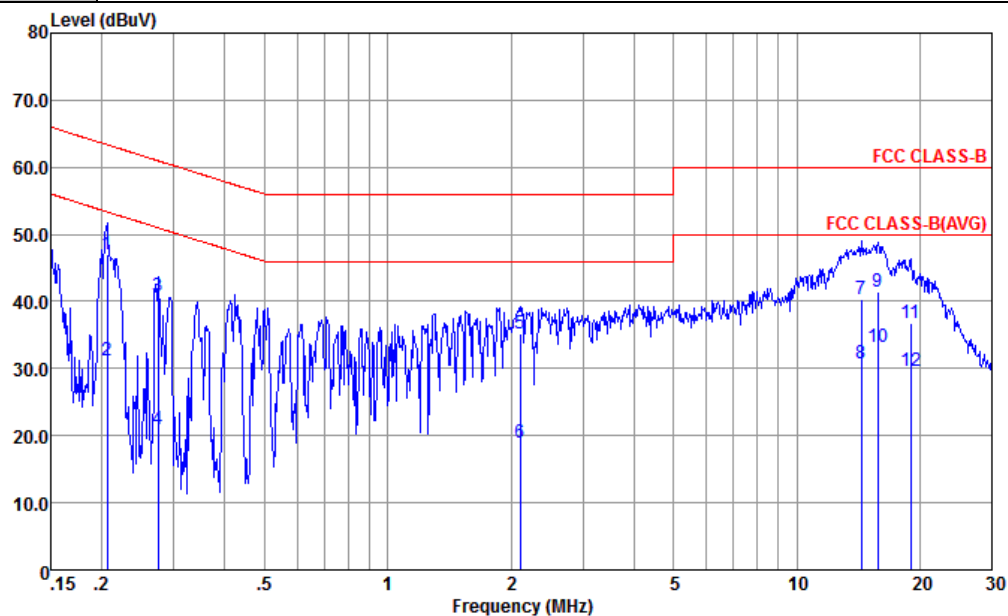


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-N NEUTRAL
 Project : (FC) 1D0310
 mode : Mode 1

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.169	49.14	-15.89	65.03	38.60	0.11	10.43	QP
2	0.169	33.34	-21.69	55.03	22.80	0.11	10.43	Average
3 *	0.212	52.06	-11.08	63.14	41.60	0.10	10.36	QP
4	0.212	38.56	-14.58	53.14	28.10	0.10	10.36	Average
5	0.230	45.24	-17.20	62.44	34.80	0.10	10.34	QP
6	0.230	31.04	-21.40	52.44	20.60	0.10	10.34	Average
7	0.308	38.90	-21.12	60.02	28.50	0.10	10.30	QP
8	0.308	22.60	-27.42	50.02	12.20	0.10	10.30	Average
9	0.481	39.25	-17.07	56.32	28.90	0.11	10.24	QP
10	0.481	24.85	-21.47	46.32	14.50	0.11	10.24	Average
11	16.055	35.58	-24.42	60.00	24.80	0.36	10.42	QP
12	16.055	29.08	-20.92	50.00	18.30	0.36	10.42	Average



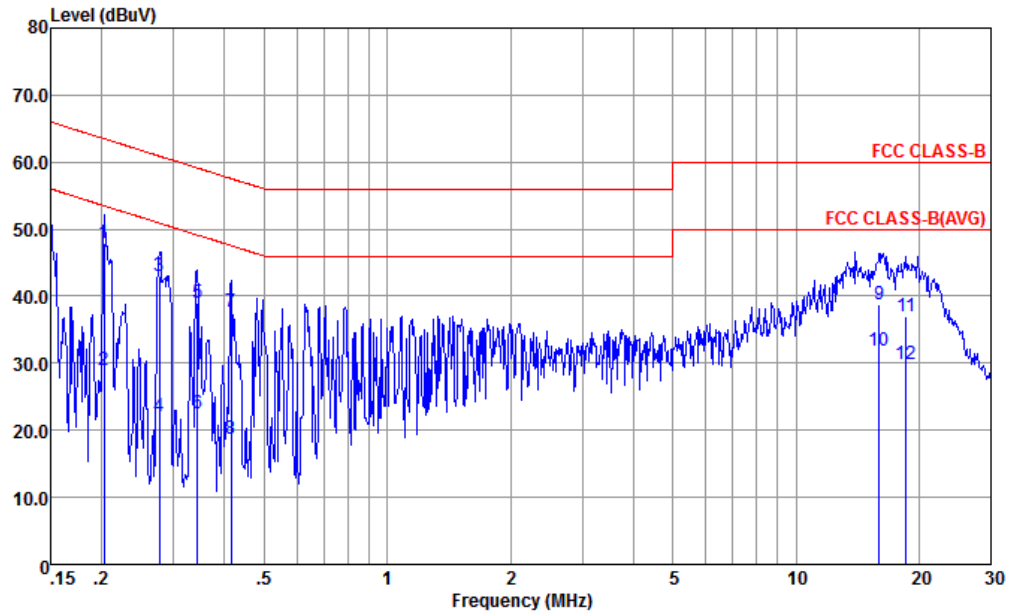
Mode :	Mode 2	Temperature :	25.3~26.2°C
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-L LINE
 Project : (FC) 1D0310
 mode : Mode 2

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.206	47.00	-16.36	63.36	36.60	0.04	10.36	QP
2	0.206	31.20	-22.16	53.36	20.80	0.04	10.36	Average
3	0.274	40.88	-20.10	60.98	30.50	0.06	10.32	QP
4	0.274	20.98	-30.00	50.98	10.60	0.06	10.32	Average
5	2.110	35.27	-20.73	56.00	24.90	0.14	10.23	QP
6	2.110	18.87	-27.13	46.00	8.50	0.14	10.23	Average
7	14.364	40.28	-19.72	60.00	29.60	0.29	10.39	QP
8	14.364	30.78	-19.22	50.00	20.10	0.29	10.39	Average
9	15.801	41.35	-18.65	60.00	30.61	0.33	10.41	QP
10	15.801	33.25	-16.75	50.00	22.51	0.33	10.41	Average
11	19.021	36.83	-23.17	60.00	25.89	0.46	10.48	QP
12	19.021	29.53	-20.47	50.00	18.59	0.46	10.48	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.		

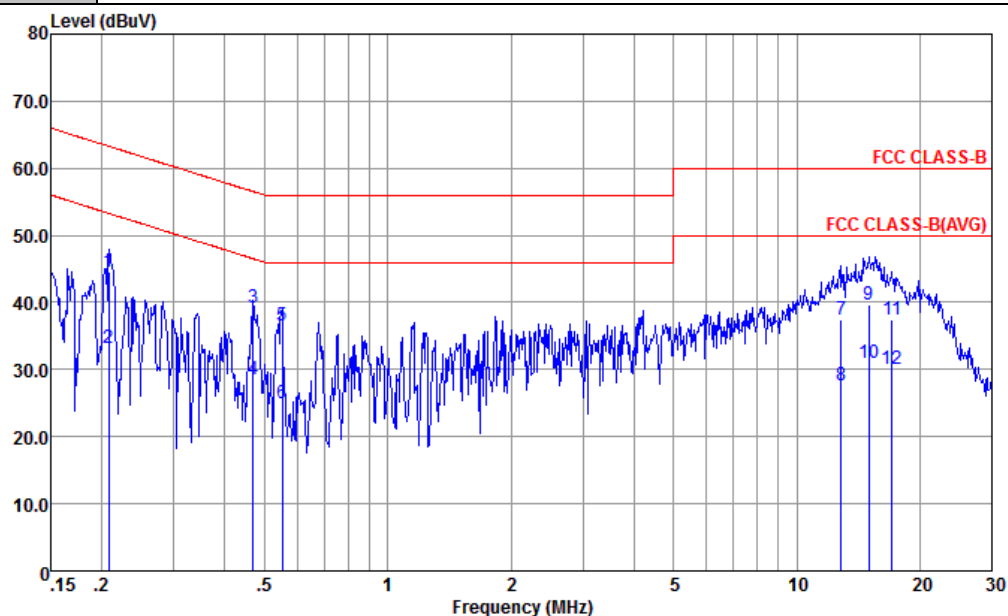


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-N NEUTRAL
 Project : (FC) 1D0310
 mode : Mode 2

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.203	47.96	-15.53	63.49	37.50	0.10	10.36	QP
2	0.203	28.96	-24.53	53.49	18.50	0.10	10.36	Average
3	0.277	43.02	-17.88	60.90	32.60	0.10	10.32	QP
4	0.277	22.02	-28.88	50.90	11.60	0.10	10.32	Average
5	0.343	38.89	-20.24	59.13	28.50	0.10	10.29	QP
6	0.343	22.59	-26.54	49.13	12.20	0.10	10.29	Average
7	0.415	37.57	-19.98	57.55	27.20	0.11	10.26	QP
8	0.415	18.67	-28.88	47.55	8.30	0.11	10.26	Average
9	15.970	38.87	-21.13	60.00	28.10	0.35	10.42	QP
10	15.970	31.87	-18.13	50.00	21.10	0.35	10.42	Average
11	18.622	37.03	-22.97	60.00	26.09	0.47	10.47	QP
12	18.622	29.83	-20.17	50.00	18.89	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.		

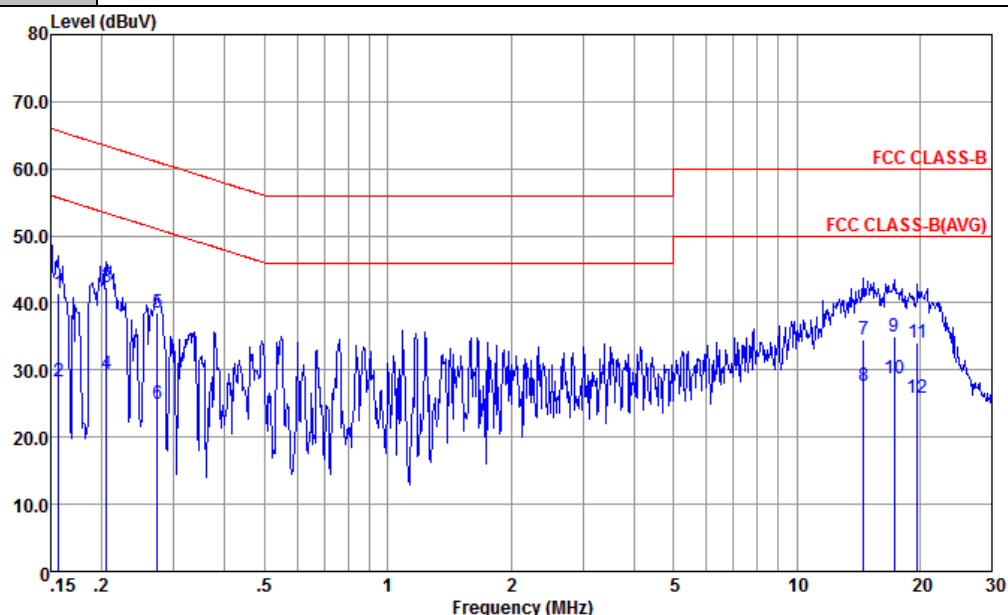


Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-L LINE
Project : (FC) 1D0310
mode : Mode 3

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.208	44.60	-18.67	63.27	34.20	0.04	10.36	QP
2	0.208	33.30	-19.97	53.27	22.90	0.04	10.36	Average
3 *	0.469	39.14	-17.40	56.54	28.80	0.10	10.24	QP
4	0.469	28.44	-18.10	46.54	18.10	0.10	10.24	Average
5	0.552	36.44	-19.56	56.00	26.10	0.10	10.24	QP
6	0.552	24.94	-21.06	46.00	14.60	0.10	10.24	Average
7	12.852	37.44	-22.56	60.00	26.80	0.27	10.37	QP
8	12.852	27.74	-22.26	50.00	17.10	0.27	10.37	Average
9	14.986	39.69	-20.41	60.00	28.90	0.30	10.39	QP
10	14.986	30.99	-19.01	50.00	20.30	0.30	10.39	Average
11	17.109	37.43	-22.57	60.00	26.60	0.39	10.44	QP
12	17.109	30.13	-19.87	50.00	19.30	0.39	10.44	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.		

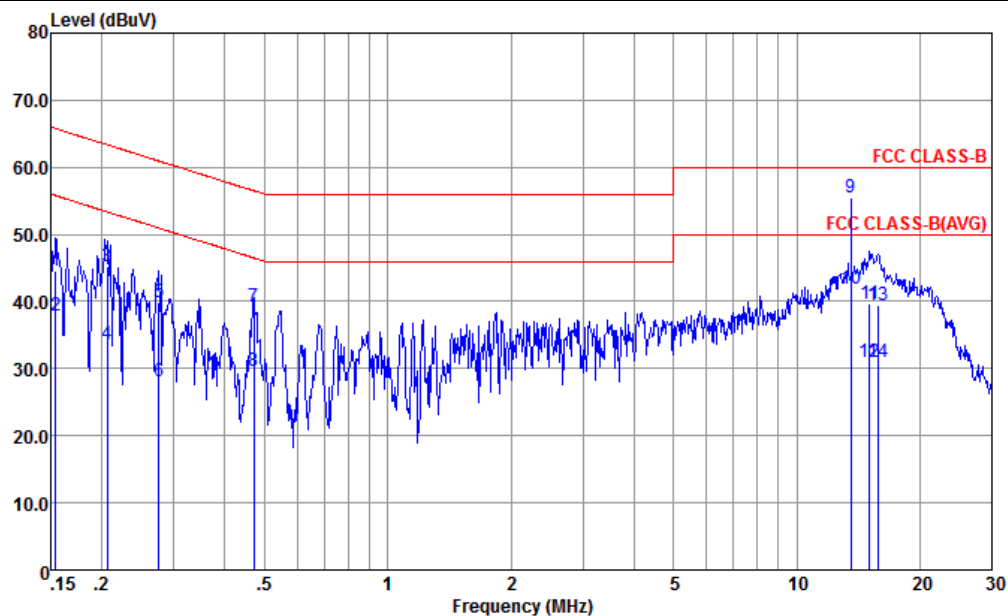


Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-N NEUTRAL
Project : (FC) 1D0310
mode : Mode 3

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.156	41.37	-24.28	65.65	30.80	0.11	10.46	QP
2	0.156	28.37	-27.28	55.65	17.80	0.11	10.46	Average
3 *	0.205	42.26	-21.14	63.40	31.80	0.10	10.36	QP
4	0.205	29.36	-24.04	53.40	18.90	0.10	10.36	Average
5	0.273	38.52	-22.51	61.03	28.10	0.10	10.32	QP
6	0.273	25.02	-26.01	51.03	14.60	0.10	10.32	Average
7	14.594	34.50	-25.50	60.00	23.81	0.30	10.39	QP
8	14.594	27.60	-22.40	50.00	16.91	0.30	10.39	Average
9	17.291	34.96	-25.04	60.00	24.11	0.41	10.44	QP
10	17.291	28.66	-21.34	50.00	17.81	0.41	10.44	Average
11	19.740	34.20	-25.80	60.00	23.20	0.51	10.49	QP
12	19.740	25.90	-24.10	50.00	14.90	0.51	10.49	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.		

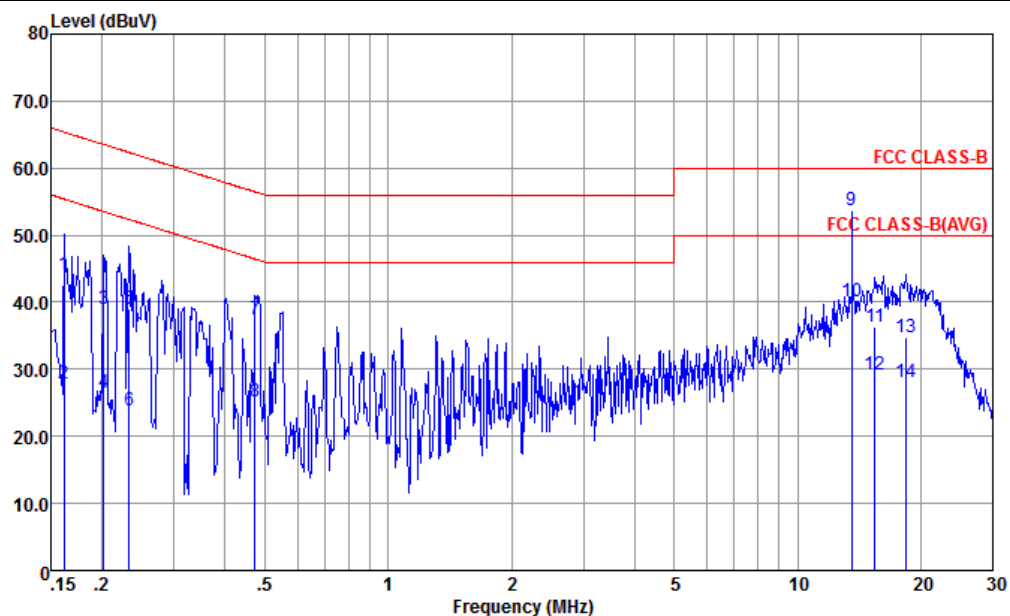


Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-L LINE
Project : (FC) 1D0310
mode : Mode 4

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.154	44.59	-21.19	65.78	34.10	0.02	10.47	QP
2	0.154	37.79	-17.99	55.78	27.30	0.02	10.47	Average
3	0.206	45.20	-18.16	63.36	34.80	0.04	10.36	QP
4	0.206	33.60	-19.76	53.36	23.20	0.04	10.36	Average
5	0.276	39.88	-21.06	60.94	29.50	0.06	10.32	QP
6	0.276	28.18	-22.76	50.94	17.80	0.06	10.32	Average
7	0.471	39.24	-17.25	56.49	28.90	0.10	10.24	QP
8	0.471	29.54	-16.95	46.49	19.20	0.10	10.24	Average
9 *	13.560	55.46	-4.54	60.00	44.80	0.28	10.38	QP
10	13.560	41.96	-8.04	50.00	31.30	0.28	10.38	Average
11	15.066	39.60	-20.40	60.00	28.90	0.30	10.40	QP
12	15.066	30.90	-19.10	50.00	20.20	0.30	10.40	Average
13	15.801	39.35	-20.65	60.00	28.61	0.33	10.41	QP
14	15.801	30.95	-19.05	50.00	20.21	0.33	10.41	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.		

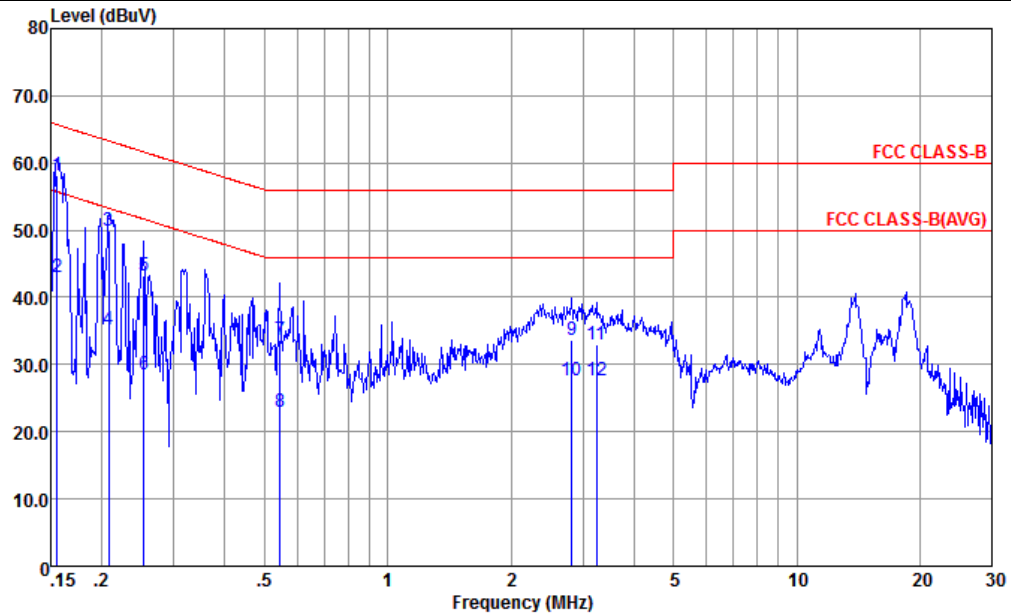


Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-N NEUTRAL
Project : (FC) 1D0310
mode : Mode 4

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.162	44.06	-21.32	65.38	33.50	0.11	10.45	QP
2	0.162	27.76	-27.62	55.38	17.20	0.11	10.45	Average
3	0.202	38.96	-24.58	63.54	28.50	0.10	10.36	QP
4	0.202	26.56	-26.98	53.54	16.10	0.10	10.36	Average
5	0.233	38.94	-23.41	62.35	28.50	0.10	10.34	QP
6	0.233	23.94	-28.41	52.35	13.50	0.10	10.34	Average
7	0.474	37.45	-19.00	56.45	27.10	0.11	10.24	QP
8	0.474	25.15	-21.30	46.45	14.80	0.11	10.24	Average
9 *	13.560	53.77	-6.23	60.00	43.10	0.29	10.38	QP
10	13.560	40.07	-9.93	50.00	29.40	0.29	10.38	Average
11	15.470	36.23	-23.77	60.00	25.50	0.33	10.40	QP
12	15.470	29.23	-20.77	50.00	18.50	0.33	10.40	Average
13	18.328	34.72	-25.28	60.00	23.81	0.45	10.46	QP
14	18.328	28.12	-21.88	50.00	17.21	0.45	10.46	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.		

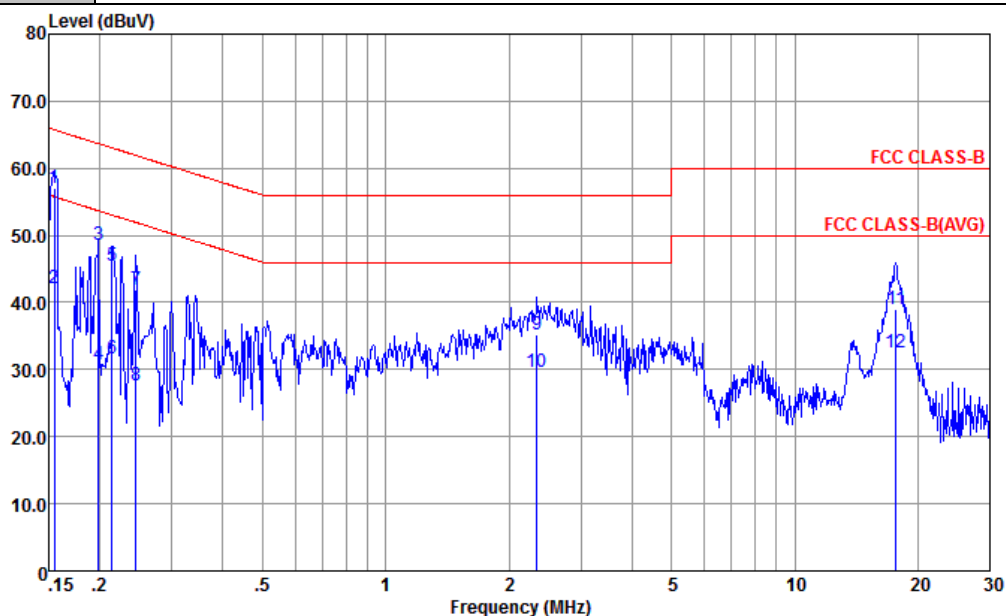


Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-L LINE
Project : (FC) 1D0310
mode : Mode 5

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.156	58.19	-7.50	65.69	47.70	0.02	10.47	QP
2	0.156	42.99	-12.70	55.69	32.50	0.02	10.47	Average
3	0.208	50.00	-13.27	63.27	39.60	0.04	10.36	QP
4	0.208	35.20	-18.07	53.27	24.80	0.04	10.36	Average
5	0.253	43.19	-18.45	61.64	32.80	0.06	10.33	QP
6	0.253	28.49	-23.15	51.64	18.10	0.06	10.33	Average
7	0.546	33.54	-22.46	56.00	23.20	0.10	10.24	QP
8	0.546	22.94	-23.06	46.00	12.60	0.10	10.24	Average
9	2.824	33.69	-22.31	56.00	23.30	0.15	10.24	QP
10	2.824	27.69	-18.31	46.00	17.30	0.15	10.24	Average
11	3.241	33.00	-23.00	56.00	22.61	0.15	10.24	QP
12	3.241	27.70	-18.30	46.00	17.31	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.		

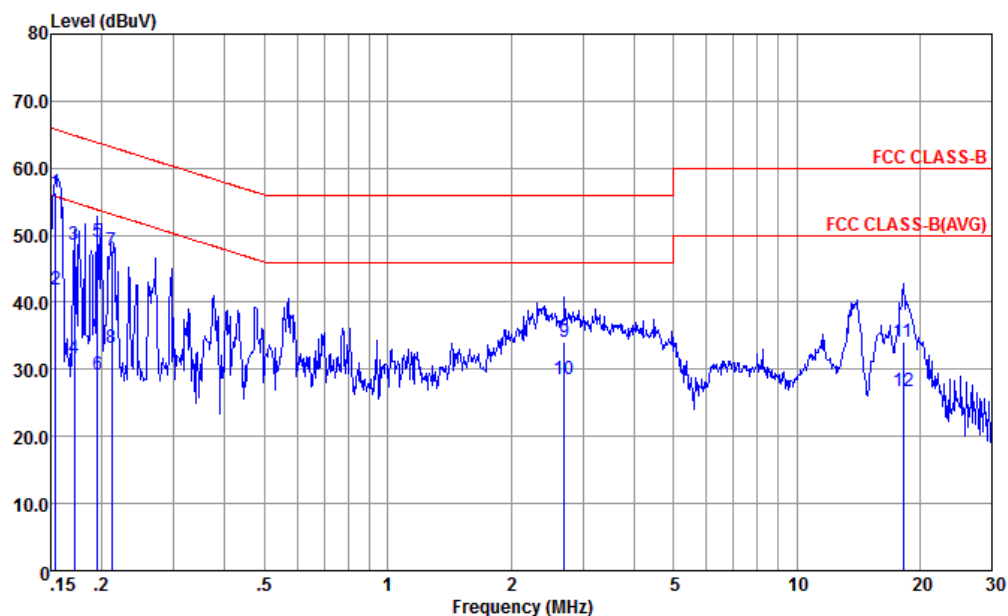


Site : CO01-KS
 Condition : FCC CLASS-B LISN-060105-N NEUTRAL
 Project : (FC) 1D0310
 mode : Mode 5

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.155	57.07	-8.67	65.74	46.49	0.11	10.47	QP
2	0.155	42.07	-13.67	55.74	31.49	0.11	10.47	Average
3	0.199	48.67	-15.00	63.67	38.20	0.10	10.37	QP
4	0.199	30.77	-22.90	53.67	20.30	0.10	10.37	Average
5	0.214	45.35	-17.70	63.05	34.90	0.10	10.35	QP
6	0.214	31.65	-21.40	53.05	21.20	0.10	10.35	Average
7	0.246	41.94	-19.97	61.91	31.50	0.10	10.34	QP
8	0.246	27.74	-24.17	51.91	17.30	0.10	10.34	Average
9	2.346	35.28	-20.72	56.00	24.91	0.14	10.23	QP
10	2.346	29.68	-16.32	46.00	19.31	0.14	10.23	Average
11	17.661	39.08	-20.92	60.00	28.20	0.43	10.45	QP
12	17.661	32.48	-17.52	50.00	21.60	0.43	10.45	Average



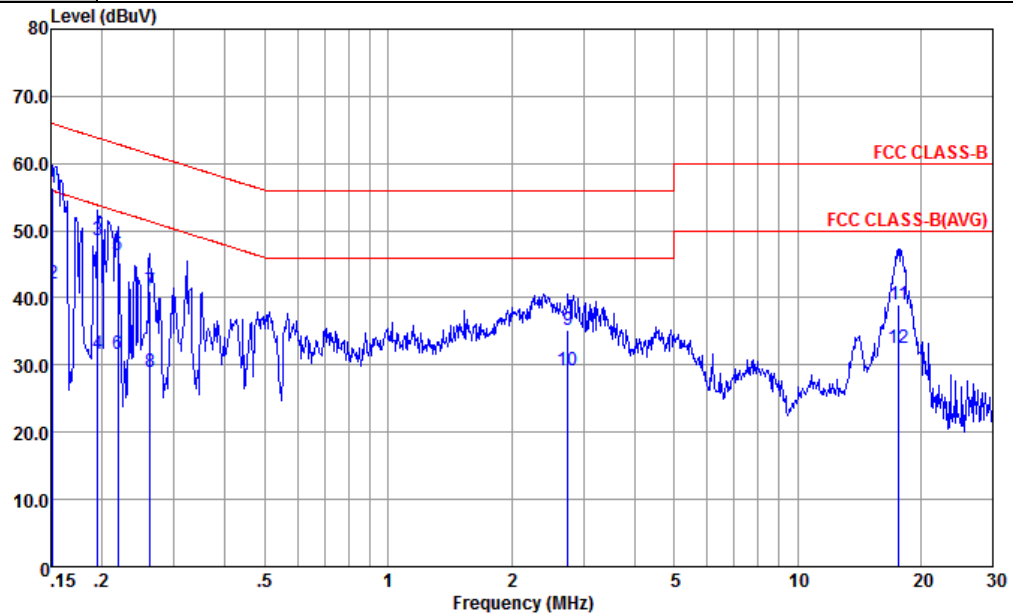
Mode :	Mode 6	Temperature :	25.3~26.2°C
Test Engineer :	Amos Zhang	Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : FCC CLASS-B LISN-060105-L LINE
Project : (FC) 1D0310
mode : Mode 6

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.154	56.39	-9.39	65.78	45.90	0.02	10.47	QP
2	0.154	41.99	-13.79	55.78	31.50	0.02	10.47	Average
3	0.171	48.66	-16.24	64.90	38.20	0.03	10.43	QP
4	0.171	31.66	-23.24	54.90	21.20	0.03	10.43	Average
5	0.195	49.01	-14.79	63.80	38.60	0.04	10.37	QP
6	0.195	29.21	-24.59	53.80	18.80	0.04	10.37	Average
7	0.212	47.60	-15.54	63.14	37.20	0.04	10.36	QP
8	0.212	33.30	-19.84	53.14	22.90	0.04	10.36	Average
9	2.707	33.99	-22.01	56.00	23.60	0.15	10.24	QP
10	2.707	28.49	-17.51	46.00	18.10	0.15	10.24	Average
11	18.232	34.19	-25.81	60.00	23.30	0.43	10.46	QP
12	18.232	26.69	-23.31	50.00	15.80	0.43	10.46	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) 1D0310
 mode : Mode 6

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1 *	0.152	56.49	-9.42	65.91	45.90	0.11	10.48	QP
2	0.152	42.09	-13.82	55.91	31.50	0.11	10.48	Average
3	0.195	48.58	-15.22	63.80	38.11	0.10	10.37	QP
4	0.195	31.58	-22.22	53.80	21.11	0.10	10.37	Average
5	0.219	46.35	-16.53	62.88	35.90	0.10	10.35	QP
6	0.219	31.75	-21.13	52.88	21.30	0.10	10.35	Average
7	0.262	41.03	-20.35	61.38	30.60	0.10	10.33	QP
8	0.262	29.03	-22.35	51.38	18.60	0.10	10.33	Average
9	2.750	35.29	-20.71	56.00	24.90	0.15	10.24	QP
10	2.750	29.29	-16.71	46.00	18.90	0.15	10.24	Average
11	17.661	38.98	-21.02	60.00	28.10	0.43	10.45	QP
12	17.661	32.48	-17.52	50.00	21.60	0.43	10.45	Average

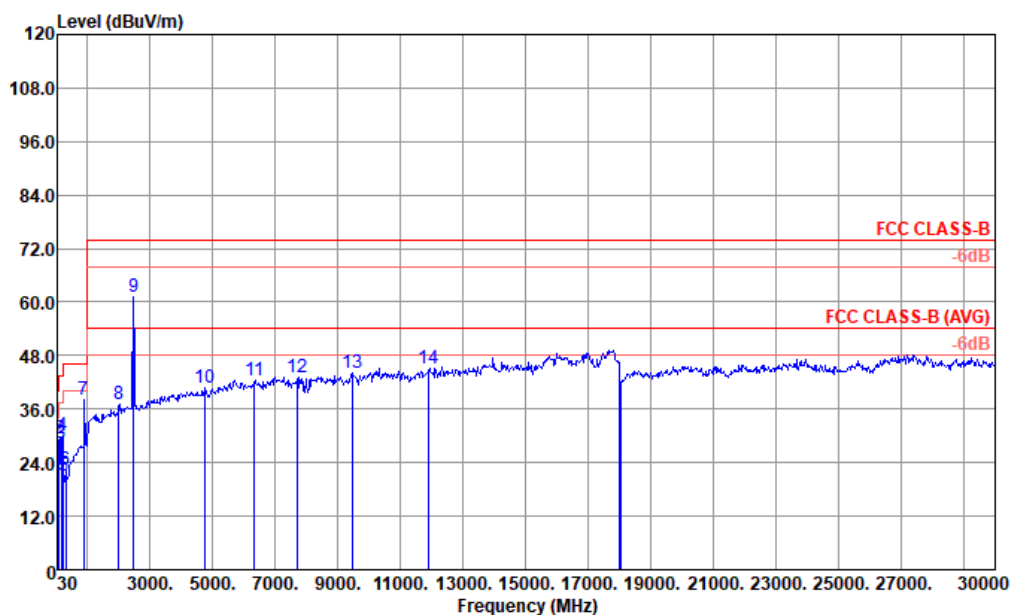
Note:

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

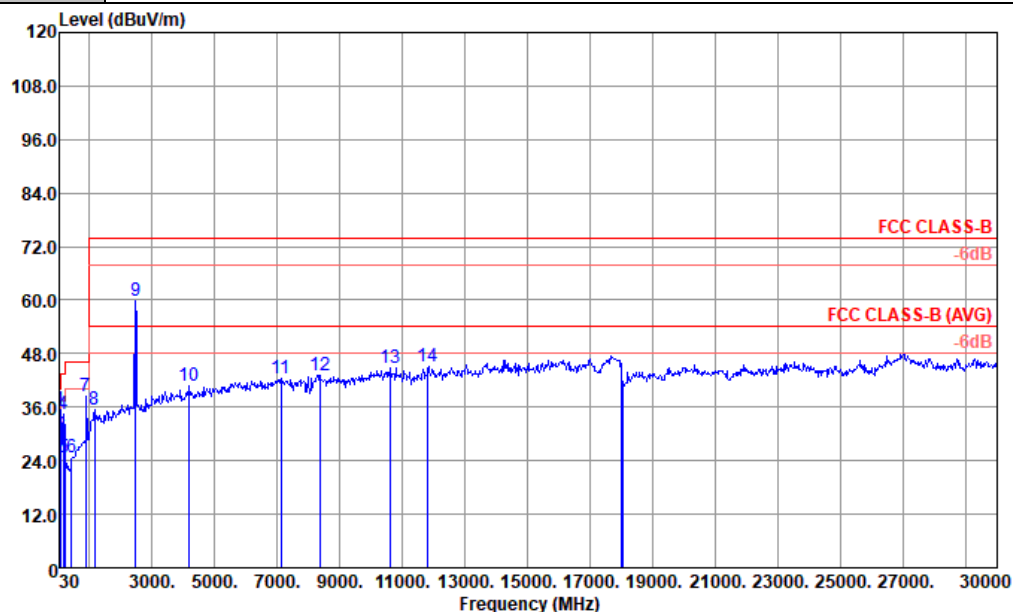


Site : 03CH06-KS
 Condition : FCC CLASS-B 3m CBL6111D SN23188 HORIZONTAL
 Project : (FC)1D0310
 Mode : 1

	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	40.67	22.47	-17.53	40.00	34.43	18.96	0.73	31.65	---	Peak
2	92.08	29.50	-14.00	43.50	44.03	15.86	1.51	31.90	---	Peak
3	151.25	28.34	-15.16	43.50	41.10	16.58	1.98	31.32	---	Peak
4	185.20	30.22	-13.28	43.50	43.56	15.79	2.20	31.33	---	Peak
5	221.09	21.09	-24.91	46.00	33.27	16.77	2.40	31.35	---	Peak
6	299.66	22.24	-23.76	46.00	31.88	19.19	2.81	31.64	---	Peak
7	881.66	37.97	-8.03	46.00	37.64	26.70	4.84	31.21	---	Peak
8	1986.00	36.94	-37.06	74.00	59.94	29.94	6.50	59.44	---	Peak
9	2462.00	61.07			82.52	31.10	7.25	59.80	---	Peak
10	4757.00	40.88	-33.12	74.00	56.31	34.45	10.17	60.05	---	Peak
11	6338.00	42.54	-31.46	74.00	55.20	35.62	11.84	60.12	---	Peak
12	7715.00	43.10	-30.90	74.00	53.81	36.72	13.15	60.58	---	Peak
13	9466.00	44.11	-29.89	74.00	52.77	37.68	14.71	61.05	---	Peak
14	11914.00	44.98	-29.02	74.00	49.61	38.78	16.73	60.14	---	Peak



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

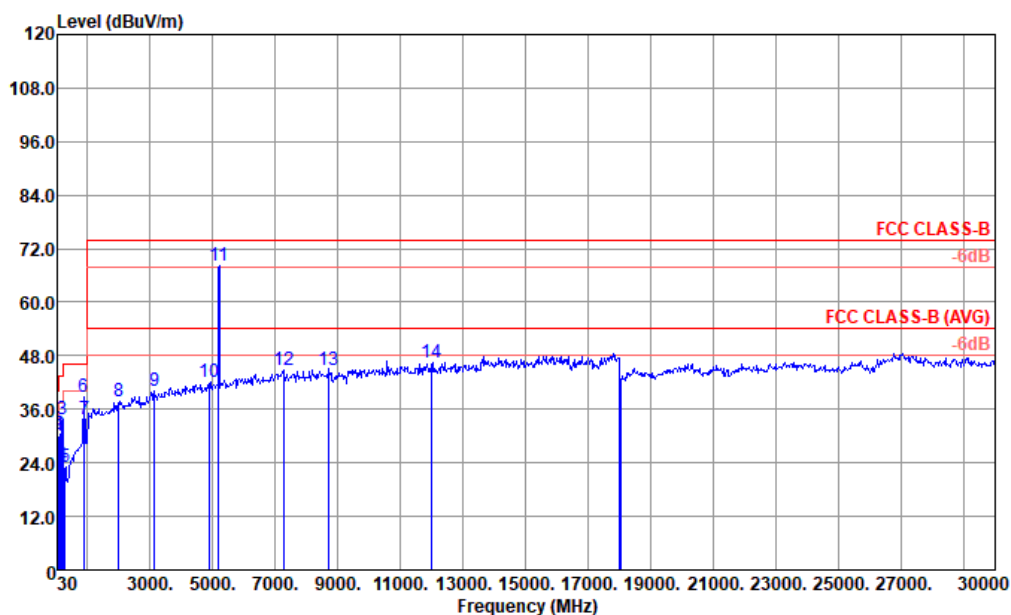


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111D SN23188 VERTICAL
Project : (FC)1D0310
Mode : 1

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor			
			dB	dBuV/m	dBuV		dB	dB	cm	deg
1 !	41.64	35.40	-4.60	40.00	47.44	18.86	0.75	31.65	200	241
2	74.62	26.87	-13.13	40.00	43.93	13.56	1.24	31.86	---	---
3	91.11	29.89	-13.61	43.50	44.07	16.21	1.50	31.89	---	---
4	156.10	34.50	-9.00	43.50	46.45	17.36	2.01	31.32	---	---
5	216.24	24.78	-21.22	46.00	36.44	17.31	2.38	31.35	---	---
6	428.67	24.87	-21.13	46.00	29.53	23.22	3.37	31.25	---	---
7	881.66	38.44	-7.56	46.00	37.48	27.33	4.84	31.21	---	---
8	1170.00	35.42	-38.58	74.00	61.85	28.13	4.98	59.54	---	---
9	2462.00	59.86			81.31	31.10	7.25	59.80	---	---
10	4196.00	40.79	-33.21	74.00	57.33	34.00	9.56	60.10	---	---
11	7120.00	42.51	-31.49	74.00	53.86	36.53	12.59	60.47	---	---
12	8361.00	43.13	-30.87	74.00	53.14	37.12	13.75	60.88	---	---
13	10588.00	44.64	-29.36	74.00	51.35	38.39	15.53	60.63	---	---
14	11812.00	44.98	-29.02	74.00	49.80	38.76	16.63	60.21	---	---



Mode :	Mode 2	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#11 is RF signals which come from WLAN Access Point used to connect the EUT, and which can be ignored.		

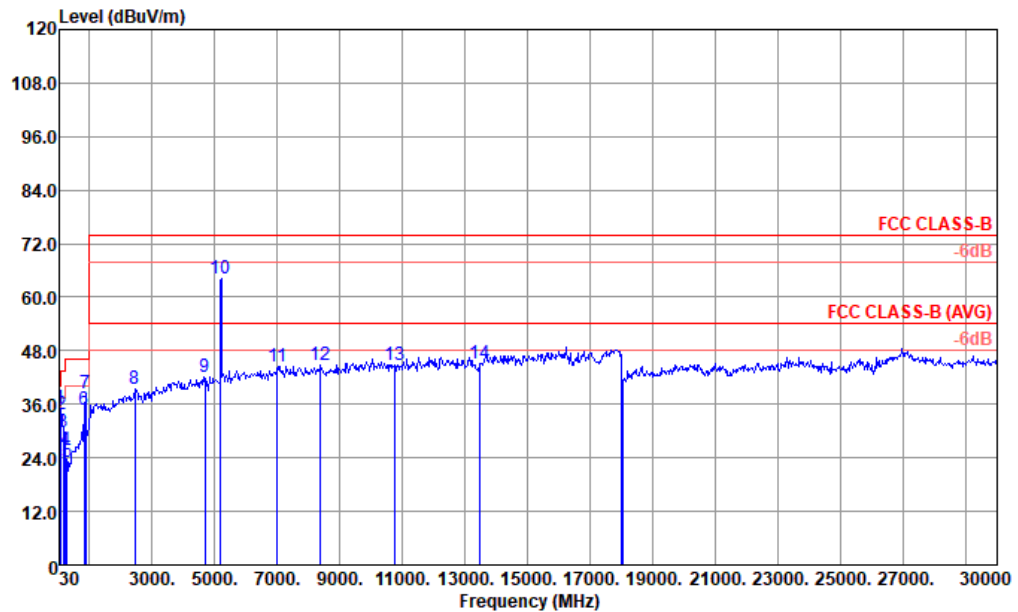


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111D SN23188 HORIZONTAL
Project : (FC) 1D0310
Mode : 2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBUV/m	Limit	Line	Level	Loss	Factor			
			dB	dBUV/m	dBuV	dB/m	dB	dB	cm	deg
1	92.08	30.22	-13.28	43.50	44.75	15.86	1.51	31.90	---	Peak
2	106.63	30.45	-13.05	43.50	43.27	17.29	1.68	31.79	---	Peak
3	176.47	33.72	-9.78	43.50	46.92	15.99	2.14	31.33	---	Peak
4	215.27	23.48	-20.02	43.50	36.04	16.41	2.38	31.35	---	Peak
5	270.56	23.18	-22.82	46.00	33.17	18.83	2.66	31.48	---	Peak
6	870.99	38.68	-7.32	46.00	38.43	26.69	4.81	31.25	---	Peak
7	900.09	33.80	-12.20	46.00	33.36	26.70	4.89	31.15	---	Peak
8	1986.00	37.74	-36.26	74.00	60.74	29.94	6.50	59.44	---	Peak
9	3142.00	40.01	-33.99	74.00	59.67	31.83	8.22	59.71	---	Peak
10	4910.00	42.08	-31.92	74.00	57.01	34.72	10.37	60.02	---	Peak
11 !	5199.00	68.20			82.45	35.08	10.71	60.04	---	Peak
12	7256.00	44.86	-29.14	74.00	56.10	36.55	12.71	60.50	---	Peak
13	8718.00	44.72	-29.28	74.00	54.52	37.29	14.03	61.12	---	Peak
14	11999.00	46.58	-27.42	74.00	51.05	38.80	16.81	60.08	---	Peak



Mode :	Mode 2	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Remark :	#10 is RF signals which come from WLAN Access Point used to connect the EUT, and which can be ignored.		

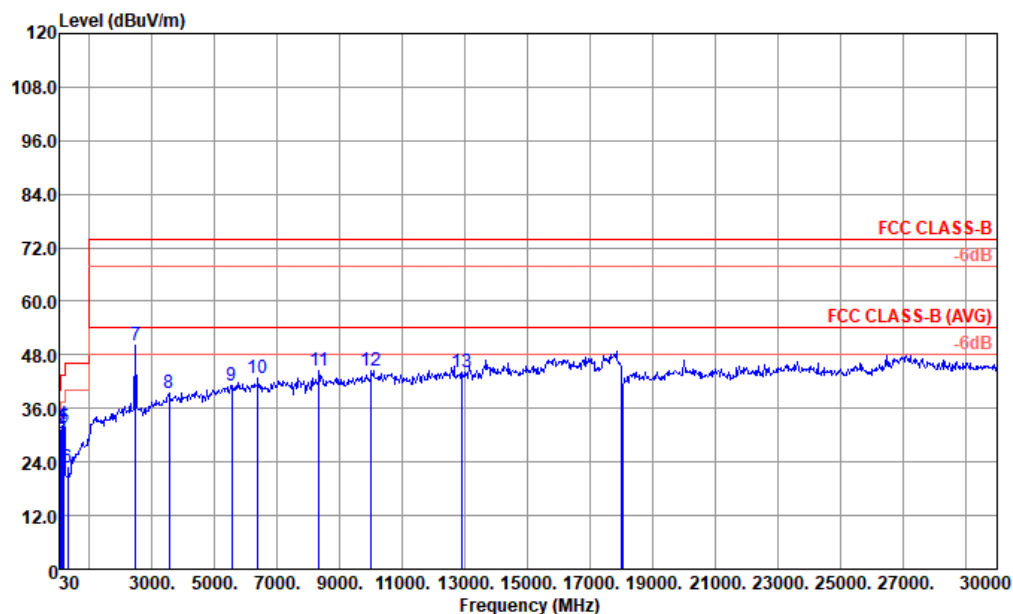


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111D SN23188 VERTICAL
Project : (FC) 1D0310
Mode : 2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor			
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	41.64	35.13	-4.87	40.00	47.17	18.86	0.75	31.65	100	248 Peak
2	92.08	33.67	-9.83	43.50	47.64	16.42	1.51	31.90	---	---
3	172.59	29.80	-13.70	43.50	42.05	16.96	2.12	31.33	---	---
4	233.70	25.59	-20.41	46.00	36.08	18.39	2.47	31.35	---	---
5	287.05	23.06	-22.94	46.00	31.89	20.00	2.74	31.57	---	---
6	831.22	34.92	-11.08	46.00	34.42	27.09	4.70	31.29	---	---
7	870.99	38.38	-7.62	46.00	37.54	27.28	4.81	31.25	---	---
8	2445.00	39.37	-34.63	74.00	60.93	31.07	7.23	59.86	---	---
9	4689.00	41.97	-32.03	74.00	57.61	34.33	10.09	60.06	---	---
10	5199.00	64.07			78.32	35.08	10.71	60.04	---	---
11	7001.00	44.61	-29.39	74.00	56.08	36.50	12.48	60.45	---	---
12	8378.00	44.63	-29.37	74.00	54.64	37.13	13.76	60.90	---	---
13	10758.00	44.81	-29.19	74.00	51.30	38.45	15.65	60.59	---	---
14	13478.00	44.98	-29.02	74.00	47.35	40.09	17.65	60.11	---	---



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

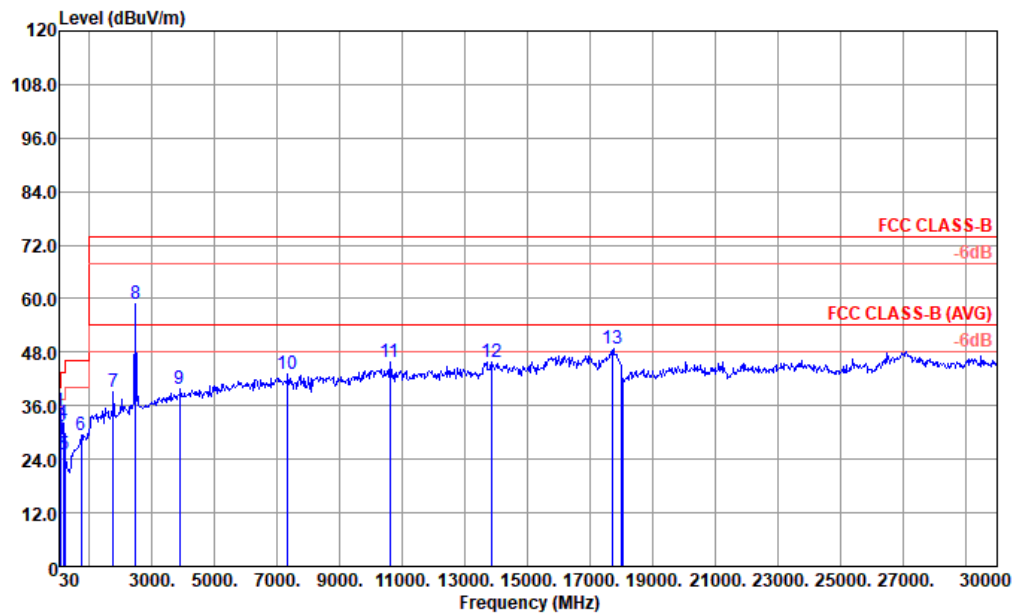


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111D SN23188 HORIZONTAL
Project : (FC)1D0310
Mode : 3

	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	56.19	25.63	-14.37	40.00	42.66	13.34	0.97	31.34	---	---	Peak
2	92.08	31.30	-12.20	43.50	45.83	15.86	1.51	31.90	---	---	Peak
3	103.72	30.28	-13.22	43.50	43.10	17.34	1.66	31.82	---	---	Peak
4	148.34	32.34	-11.16	43.50	45.09	16.63	1.96	31.34	---	---	Peak
5	179.38	31.60	-11.90	43.50	44.85	15.92	2.16	31.33	---	---	Peak
6	305.48	22.63	-23.37	46.00	32.11	19.33	2.83	31.64	---	---	Peak
7	2462.00	50.15			71.60	31.10	7.25	59.80	---	---	Peak
8	3533.00	39.45	-34.55	74.00	57.77	32.87	8.74	59.93	---	---	Peak
9	5539.00	41.00	-33.00	74.00	54.71	35.40	11.02	60.13	---	---	Peak
10	6389.00	42.75	-31.25	74.00	55.36	35.60	11.91	60.12	---	---	Peak
11	8327.00	44.38	-29.62	74.00	54.41	37.10	13.73	60.86	---	---	Peak
12	10010.00	44.51	-29.49	74.00	51.95	38.20	15.12	60.76	---	---	Peak
13	12883.00	44.21	-29.79	74.00	47.51	39.57	17.23	60.10	---	---	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.		

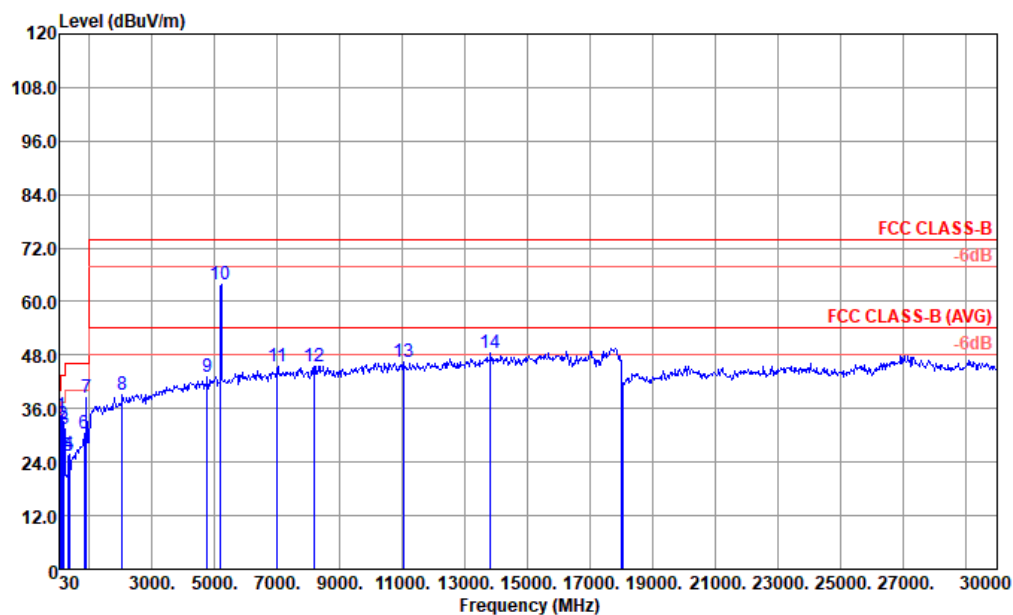


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111D SN23188 VERTICAL
Project : (FC)1D0310
Mode : 3

	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 !	41.64	34.68	-5.32	40.00	46.72	18.86	0.75	31.65	100	259
2	74.62	28.32	-11.68	40.00	45.38	13.56	1.24	31.86	---	---
3	92.08	31.45	-12.05	43.50	45.42	16.42	1.51	31.90	---	---
4	151.25	32.13	-11.37	43.50	43.99	17.48	1.98	31.32	---	---
5	219.15	25.14	-20.86	46.00	36.61	17.49	2.39	31.35	---	---
6	722.58	29.32	-16.68	46.00	30.02	26.06	4.37	31.13	---	---
7	1748.00	39.24	-34.76	74.00	63.90	29.10	6.12	59.88	---	---
8	2462.00	58.71			80.16	31.10	7.25	59.80	---	---
9	3873.00	39.66	-34.34	74.00	56.82	33.35	9.18	59.69	---	---
10	7324.00	43.22	-30.78	74.00	54.41	36.56	12.77	60.52	---	---
11	10605.00	45.76	-28.24	74.00	52.45	38.40	15.54	60.63	---	---
12	13852.00	45.78	-28.22	74.00	48.11	39.81	17.93	60.07	---	---
13	17728.00	48.66	-25.34	74.00	42.70	42.52	20.75	57.31	---	---



Mode :	Mode 4	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#10 is RF signals which come from WLAN Access Point used to connect the EUT, and which can be ignored.		

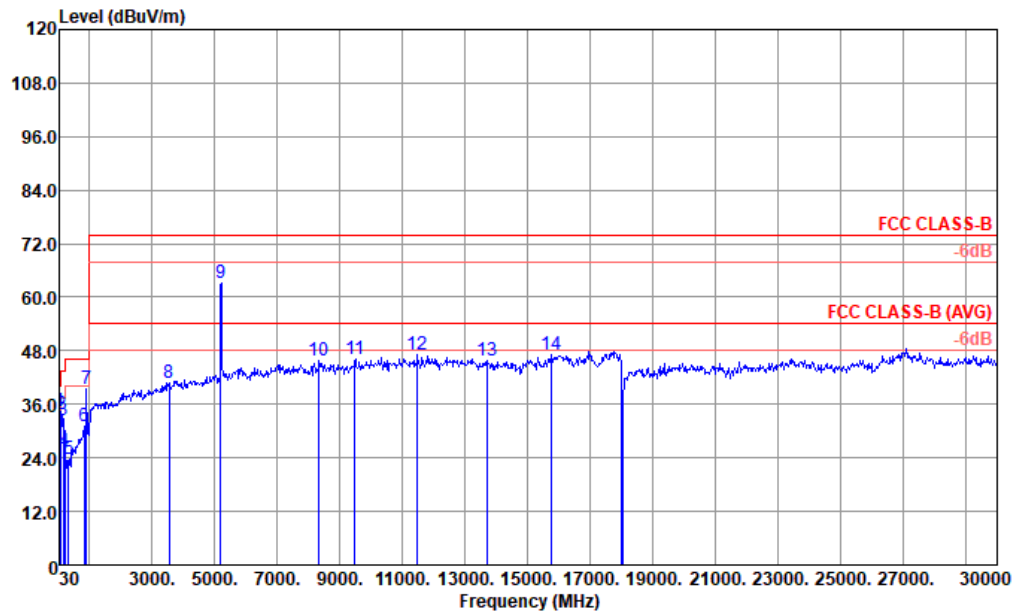


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111D SN23188 HORIZONTAL
Project : (FC) 1D0310
Mode : 4

	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	93.05	34.38	-9.12	43.50	48.71	16.06	1.53	31.92	---	---	Peak
2	148.34	32.29	-11.21	43.50	45.04	16.63	1.96	31.34	---	---	Peak
3	179.38	31.55	-11.95	43.50	44.80	15.92	2.16	31.33	---	---	Peak
4	337.49	25.89	-20.11	46.00	34.46	20.10	2.98	31.65	---	---	Peak
5	347.19	25.44	-20.56	46.00	33.73	20.34	3.02	31.65	---	---	Peak
6	826.37	30.54	-15.46	46.00	30.73	26.41	4.68	31.28	---	---	Peak
7	891.36	38.53	-7.47	46.00	38.14	26.70	4.87	31.18	---	---	Peak
8	2037.00	39.03	-34.97	74.00	61.80	30.05	6.58	59.40	---	---	Peak
9	4757.00	43.23	-30.77	74.00	58.66	34.45	10.17	60.05	---	---	Peak
10	5199.00	63.75			78.00	35.08	10.71	60.04	---	---	Peak
11	7001.00	45.37	-28.63	74.00	56.84	36.50	12.48	60.45	---	---	Peak
12	8191.00	45.51	-28.49	74.00	55.63	37.01	13.63	60.76	---	---	Peak
13	11013.00	46.47	-27.53	74.00	52.63	38.54	15.84	60.54	---	---	Peak
14	13818.00	48.63	-25.37	74.00	50.95	39.84	17.91	60.07	---	---	Peak



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

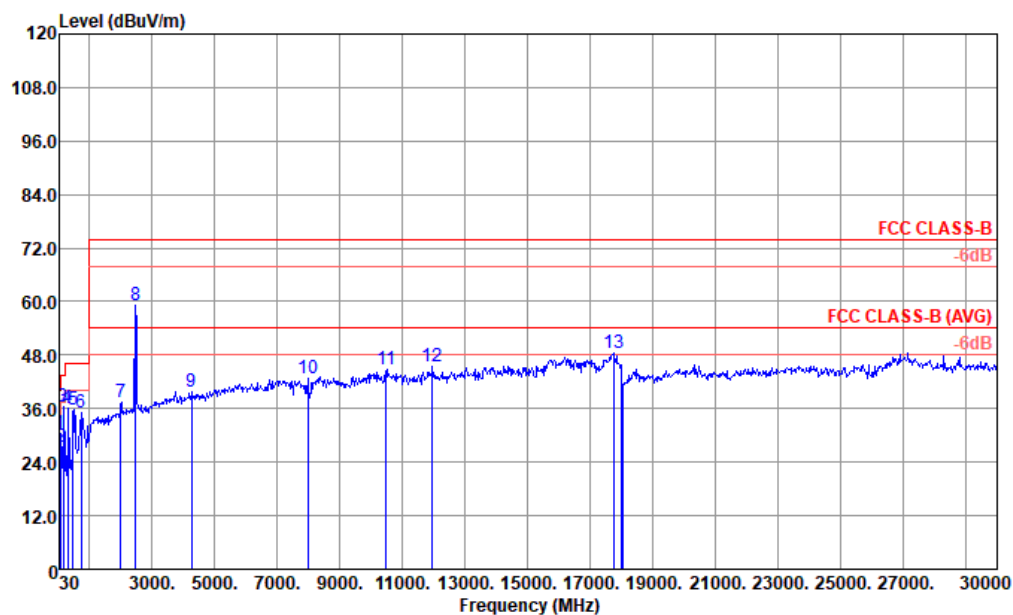


Site : 03CH06-KS
 Condition : FCC CLASS-B 3m GBL6111D SN23188 VERTICAL
 Project : (FC) 1D0310
 Mode : 4

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level Factor	Loss Factor	Factor	cm	deg	
1 !	40.67	34.53	-5.47	40.00	46.07	19.38	0.73	31.65	100	252 Peak
2	90.14	33.91	-9.59	43.50	48.31	16.00	1.48	31.88	---	Peak
3	157.07	32.28	-11.22	43.50	44.24	17.34	2.02	31.32	---	Peak
4	219.15	25.41	-20.59	46.00	36.88	17.49	2.39	31.35	---	Peak
5	338.46	23.62	-22.38	46.00	31.17	21.12	2.98	31.65	---	Peak
6	831.22	31.11	-14.89	46.00	30.61	27.09	4.70	31.29	---	Peak
7	891.36	39.33	-6.67	46.00	38.27	27.37	4.87	31.18	---	Peak
8	3533.00	40.78	-33.22	74.00	59.10	32.87	8.74	59.93	---	Peak
9	5199.00	63.11			77.36	35.08	10.71	60.04	---	Peak
10	8327.00	45.63	-28.37	74.00	55.66	37.10	13.73	60.86	---	Peak
11	9483.00	46.02	-27.98	74.00	54.64	37.69	14.73	61.04	---	Peak
12	11472.00	47.07	-26.93	74.00	52.53	38.69	16.29	60.44	---	Peak
13	13682.00	45.96	-28.04	74.00	48.29	39.95	17.81	60.09	---	Peak
14	15773.00	47.14	-26.86	74.00	46.11	41.33	19.43	59.73	---	Peak



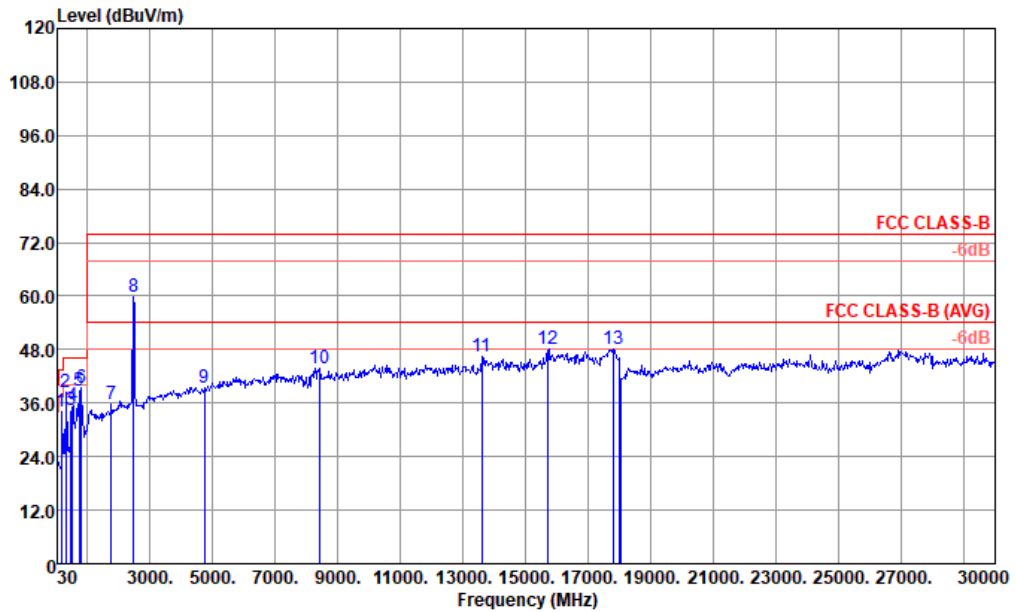
Mode :	Mode 5	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#8 is RF signals which come from Bluetooth/WLAN Access Point used to connect the EUT, and which can be ignored.		



Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111D SN23188 HORIZONTAL
Project : (FC) 1D0310
Mode : 5

	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	36.79	30.46	-9.54	40.00	40.05	21.19	0.68	31.46	---	Peak
2	92.08	27.57	-15.93	43.50	42.10	15.86	1.51	31.90	---	Peak
3	163.86	36.41	-7.09	43.50	49.40	16.28	2.06	31.33	---	Peak
4	300.63	36.10	-9.90	46.00	45.72	19.21	2.81	31.64	---	Peak
5	480.08	35.81	-10.19	46.00	40.18	23.37	3.56	31.30	---	Peak
6	742.95	35.05	-10.95	46.00	36.13	25.61	4.43	31.12	---	Peak
7	1986.00	37.53	-36.47	74.00	60.53	29.94	6.50	59.44	---	Peak
8	2462.00	59.21			80.66	31.10	7.25	59.80	---	Peak
9	4247.00	39.94	-34.06	74.00	56.43	34.00	9.61	60.10	---	Peak
10	7970.00	42.84	-31.16	74.00	53.24	36.88	13.34	60.62	---	Peak
11	10469.00	44.86	-29.14	74.00	51.72	38.35	15.45	60.66	---	Peak
12	11965.00	45.54	-28.46	74.00	50.07	38.79	16.78	60.10	---	Peak
13	17745.00	48.61	-25.39	74.00	42.60	42.54	20.76	57.29	---	Peak

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 Bluetooth/WLAN Access Point used to connect the EUT, and which can be ignored.		

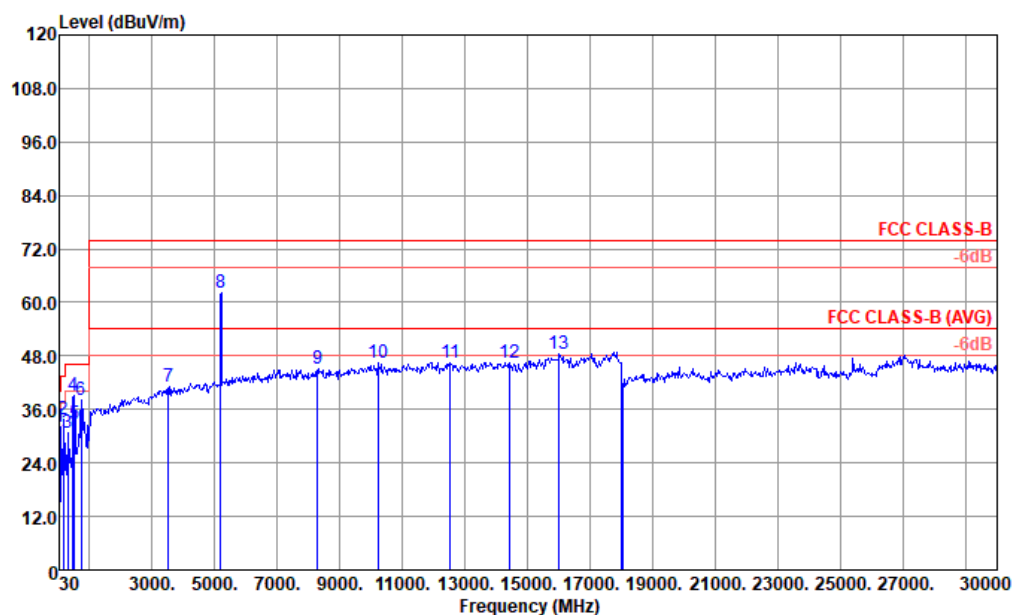


Site : 03CH06-KS
 Condition : FCC CLASS-B 3m CBL6111D SN23188 VERTICAL
 Project : (FC) 1D0310
 Mode : 5

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBUV/m	Limit	Line	Level	Loss	Factor	cm	deg	
					dBuV					
1	163.86	34.13	-9.37	43.50	46.23	17.17	2.06	31.33	---	Peak
2	310.33	38.55	-7.45	46.00	46.89	20.45	2.85	31.64	---	Peak
3	480.08	34.47	-11.53	46.00	38.07	24.14	3.56	31.30	---	Peak
4	529.55	35.40	-10.60	46.00	37.85	25.32	3.74	31.51	---	Peak
5	739.07	38.64	-7.36	46.00	39.01	26.33	4.42	31.12	---	Peak
6	800.18	39.50	-6.50	46.00	39.23	26.90	4.60	31.23	---	Peak
7	1748.00	35.83	-38.17	74.00	60.49	29.10	6.12	59.88	---	Peak
8	2462.00	59.82			81.27	31.10	7.25	59.80	---	Peak
9	4740.00	39.54	-34.46	74.00	55.02	34.42	10.15	60.05	---	Peak
10	8412.00	43.74	-30.26	74.00	53.73	37.15	13.78	60.92	---	Peak
11	13597.00	46.49	-27.51	74.00	48.83	40.02	17.74	60.10	---	Peak
12	15722.00	48.06	-25.94	74.00	47.21	41.22	19.38	59.75	---	Peak
13	17779.00	48.23	-25.77	74.00	42.11	42.59	20.78	57.25	---	Peak



Mode :	Mode 6	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.		

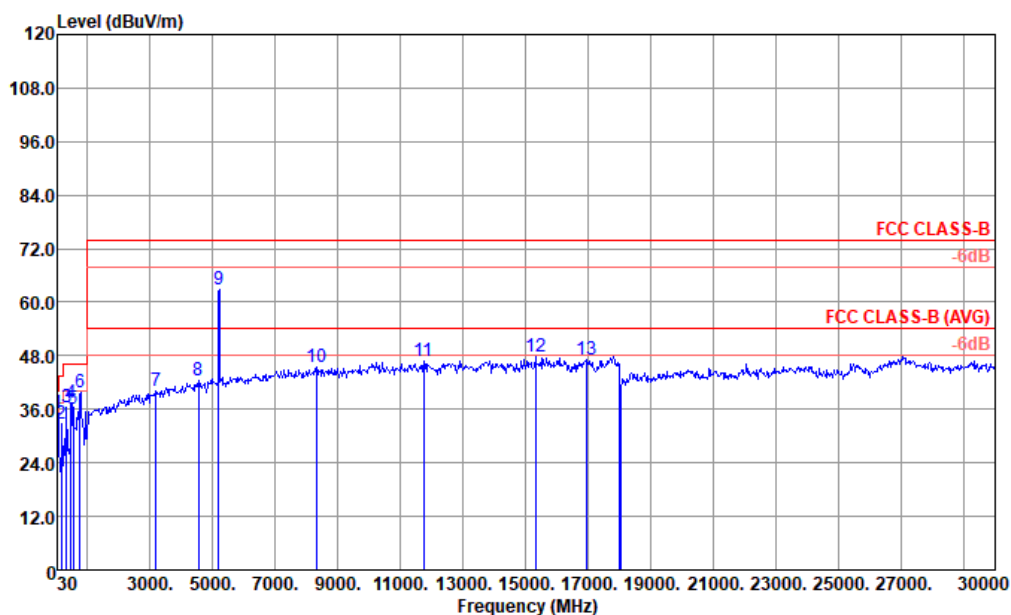


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6111D SN23188 HORIZONTAL
Project : (FC) 1D0310
Mode : 6

	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	38.73	32.17	-7.83	40.00	43.00	20.06	0.70	31.59	---	Peak
2	163.86	33.80	-9.70	43.50	46.79	16.28	2.06	31.33	---	Peak
3	309.36	30.91	-15.09	46.00	40.28	19.42	2.85	31.64	---	Peak
4	480.08	39.02	-6.98	46.00	43.39	23.37	3.56	31.30	---	Peak
5	527.61	32.87	-13.13	46.00	36.07	24.57	3.73	31.50	---	Peak
6	739.07	38.12	-7.88	46.00	39.26	25.56	4.42	31.12	---	Peak
7	3516.00	41.27	-32.73	74.00	59.65	32.83	8.72	59.93	---	Peak
8	5199.00	62.12			76.37	35.08	10.71	60.04	---	Peak
9	8293.00	45.12	-28.88	74.00	55.18	37.08	13.70	60.84	---	Peak
10	10214.00	46.44	-27.56	74.00	53.61	38.27	15.27	60.71	---	Peak
11	12526.00	46.52	-27.48	74.00	50.29	39.26	17.06	60.09	---	Peak
12	14430.00	46.53	-27.47	74.00	48.48	39.74	18.35	60.04	---	Peak
13	15994.00	48.55	-25.45	74.00	46.81	41.77	19.62	59.65	---	Peak



Mode :	Mode 6	Temperature :	21~22°C
Test Engineer :	Carl Ni	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Remark :	#9 is RF signals which come from WLAN Access Point used to connect the EUT, and which can be ignored.		



	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 !	37.76	35.08	-4.92	40.00	44.81	21.10	0.69	31.52	100	161 Peak
2	163.86	32.78	-10.72	43.50	44.88	17.17	2.06	31.33	---	---
3	319.06	36.35	-9.65	46.00	44.44	20.66	2.89	31.64	---	---
4	480.08	37.28	-8.72	46.00	40.88	24.14	3.56	31.30	---	---
5	530.52	35.94	-10.06	46.00	38.37	25.35	3.74	31.52	---	---
6	756.53	39.74	-6.26	46.00	39.85	26.55	4.47	31.13	---	---
7	3176.00	40.12	-33.88	74.00	59.70	31.81	8.27	59.66	---	---
8	4536.00	42.55	-31.45	74.00	58.67	34.06	9.91	60.09	---	---
9	5199.00	62.94			77.19	35.08	10.71	60.04	---	---
10	8310.00	45.52	-28.48	74.00	55.56	37.09	13.72	60.85	---	---
11	11744.00	46.72	-27.28	74.00	51.67	38.75	16.56	60.26	---	---
12	15314.00	47.68	-26.32	74.00	48.16	40.41	19.02	59.91	---	---
13	16963.00	47.10	-26.90	74.00	43.56	41.51	20.28	58.25	---	---

—THE END—