



FCC EMI TEST REPORT

FCC ID : PY7-47198F
Equipment : GSM/WCDMA/LTE Phone with BT, DTS/UNII
a/b/g/n/ac, GPS, FM Receiver and NFC
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) : Oct. 26, 2021 ~ Nov. 26, 2021

We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Kunshan) Inc., 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 (Kunshan) Inc.

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
FC101907	01	Initial issue of report	Dec. 28, 2021

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 7.39 dB at 0.159 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 4.12 dB at 339.430 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	S/N	Performed Test Item
A	0.150	HQ618X0490	Conducted Emission Radiated Emission

Accessory List	
AC Adapter	Model Name : XQZ-UC1
Earphone 1	Model Name : MDR-EX15AP
Earphone 2	Model Name : SBH82D
USB Cable 1	Model Name : XQZ-UB1
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 (Kunshan) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International (Kunshan) Inc.		
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 03CH02-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

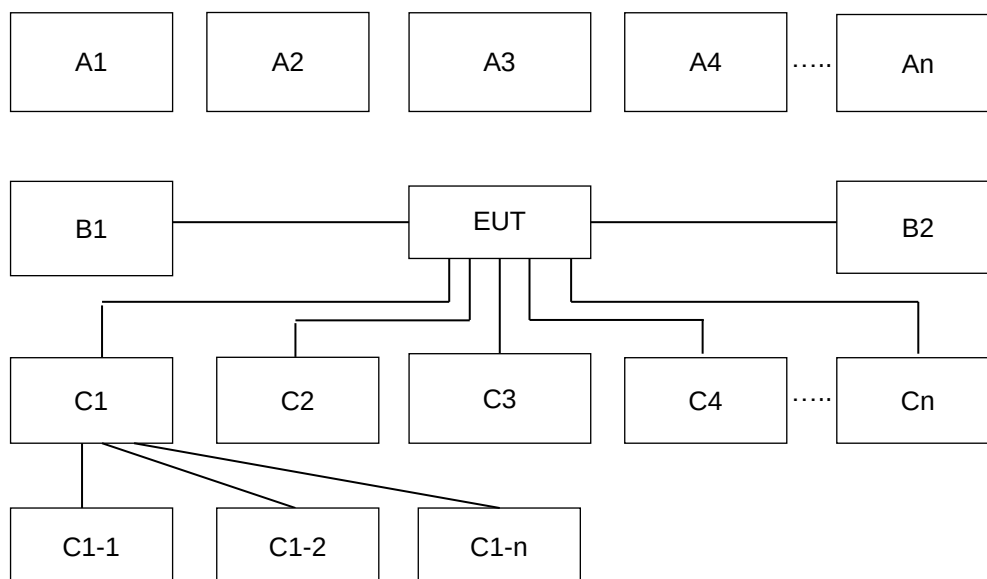
2.1. Test Mode

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 2 + WLAN (2.4GHz) Idle + Camera (Rear) + Earphone 1 + USB Cable 1(Charging from Adapter)
	Mode 2: WCDMA Band V (Lowest Channel) Idle + Bluetooth Idle With Bluetooth Earphone 2 + WLAN (5GHz) Idle + Camera (Front) + Earphone 1 + USB Cable 2(Charging from Adapter)
	Mode 3: GSM1900 Idle + Bluetooth Idle With Bluetooth Earphone 2 + WLAN (2.4GHz) Idle + MPEG 4 + Earphone 1 + USB Cable 2(Charging from Adapter)
	Mode 4: LTE Band 12 (Highest Channel) Idle + Bluetooth Idle With Bluetooth Earphone 2 + WLAN (5GHz) Idle + NFC On + Earphone 1 + USB Cable 2(Charging from Adapter)
	Mode 5: LTE Band 41 Idle + Bluetooth Idle With Bluetooth Earphone 2 + WLAN (2.4GHz) Idle + FM(98MHz)Rx + Earphone 1 + USB Cable 2(Data Link with Notebook)
	Mode 6: WCDMA Band V (Lowest Channel) Idle + Bluetooth Idle With Bluetooth Earphone 2 + WLAN (5GHz) Idle + GNSS Rx + Earphone 1 + USB Cable 2(Data Link with Notebook)
Radiated Emissions	Mode 1: GSM850 (Middle Channel) Idle + Bluetooth Idle With Bluetooth Earphone 2 + WLAN (2.4GHz) Idle + Camera (Rear) + Earphone 1 + USB Cable 1(Charging from Adapter)
	Mode 2: WCDMA Band V (Lowest Channel) Idle + Bluetooth Idle With Bluetooth Earphone 2 + WLAN (5GHz) Idle + Camera (Front) + Earphone 1 + USB Cable 2(Charging from Adapter)
	Mode 3: GSM1900 Idle + Bluetooth Idle With Bluetooth Earphone 2 + WLAN (2.4GHz) Idle + MPEG 4 + Earphone 1 + USB Cable 1(Charging from Adapter)
	Mode 4: LTE Band 12 (Highest Channel) Idle + Bluetooth Idle With Bluetooth Earphone 2 + WLAN (5GHz) Idle + NFC On + Earphone 1 + USB Cable 1(Charging from Adapter)
	Mode 5: LTE Band 41 Idle + Bluetooth Idle With Bluetooth Earphone 2 + WLAN (2.4GHz) Idle + FM(88MHz)Rx + Earphone 1 + USB Cable 1(Data Link with Notebook)
	Mode 6: GSM900 Idle + Bluetooth Idle With Bluetooth Earphone 2 + WLAN (5GHz) Idle + GNSS Rx + Earphone 1 + USB Cable 1(Data Link with Notebook)
Remark: - For radiation emission after pre-scanned the L/M/H channel cellular band between 30MHz ~ 960MHz (GSM850/WCDMA Band V/LTE Band 12/FM); only the worst case for cellular band test data of this mode was reported. - Data Link with Notebook means data application transferred mode between EUT and Notebook. - For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.	

2.2. Connection Diagram of Test System



Conduction Test Setup									
No.	Wireless Station	Connection Type	Test Mode						
			1	2	3	4	5	6	
A1	System Simulator	GSM/WCDMA/LTE/FM	X	X	X	X	X	X	
A2	BT Earphone	Bluetooth	X	X	X	X	X	X	
A3	GPS/Glonass Station	GNSS	-	-	-	-	-	X	
A4	AP router	WiFi	X	X	X	X	-	-	
A5	Notebook	WiFi	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	
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/FM	X	X	X	X	X	X	
A2	BT Earphone	Bluetooth	X	X	X	X	X	X	
A3	GPS/Glonass Station	GNSS	-	-	-	-	-	X	
A4	AP router	WiFi	X	X	X	X	-	-	
A5	Notebook	WiFi	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	
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.	LTE Base Station	Anritus	MT8821C	N/A	N/A	Unshielded,1.8m
2.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
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



2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA or LTE 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. Turn on FM Receiver 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.

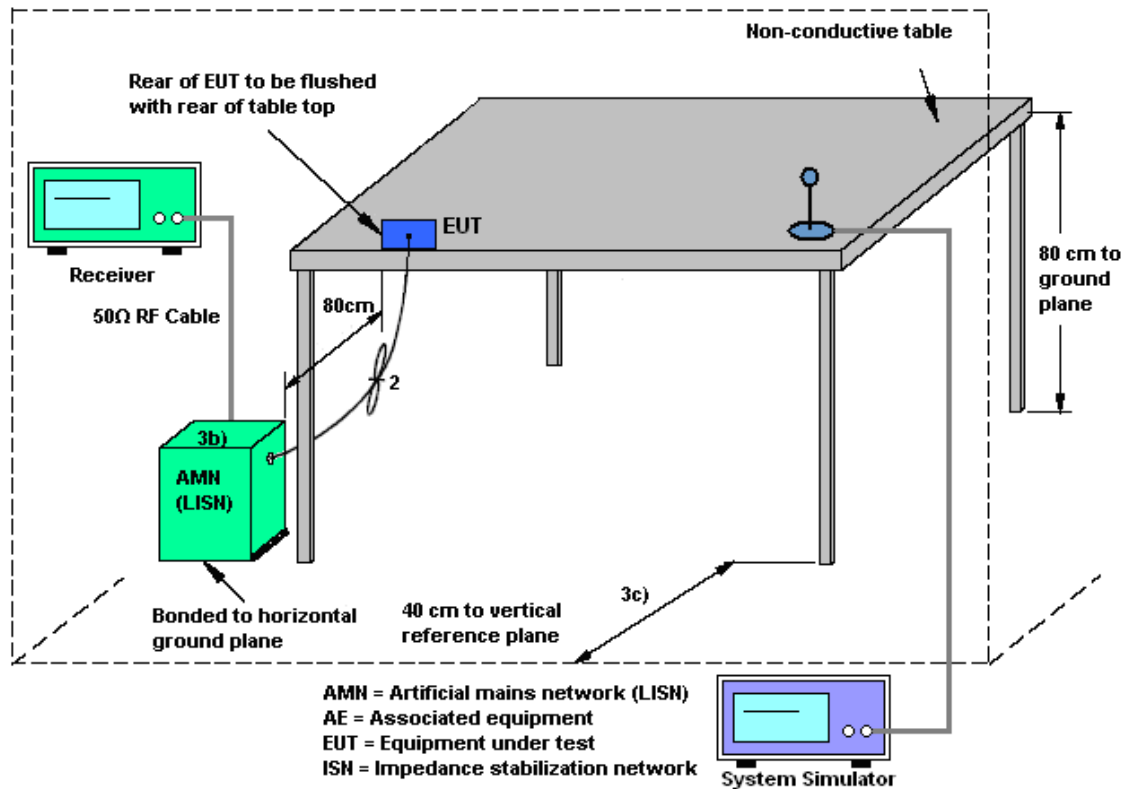
3.1.2. Measuring Instruments

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

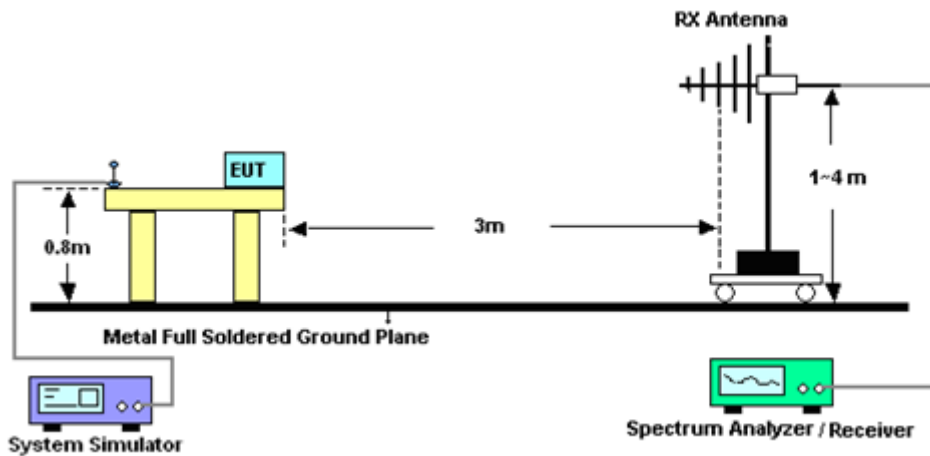
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

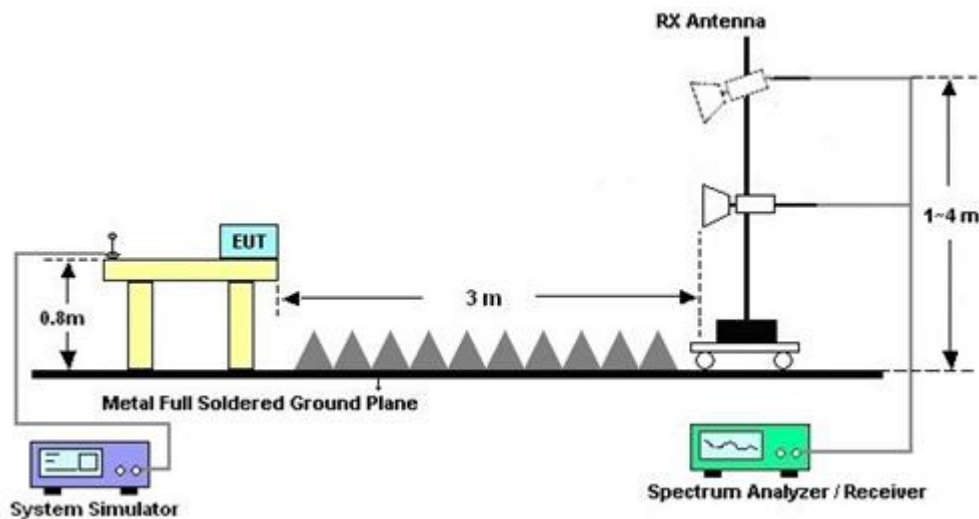
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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	Oct. 26, 2021	Apr. 20, 2022	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 14, 2021	Oct. 26, 2021	Oct. 13, 2022	Conduction (CO01-KS)
AC LISN	R&S	ENV216	100334	9kHz~30MHz	Oct. 14, 2021	Oct. 26, 2021	Oct. 13, 2022	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 14, 2021	Oct. 26, 2021	Oct. 13, 2022	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Ma x 30dBm	Oct. 16, 2021	Nov. 26, 2021	Oct. 15, 2022	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz~44G,MAX 30dB	Oct. 16, 2021	Nov. 26, 2021	Oct. 15, 2022	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz~1GHz	Jan. 26, 2021	Nov. 26, 2021	Jan. 25, 2022	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Oct. 30, 2021	Nov. 26, 2021	Oct. 29, 2022	Radiation (03CH02-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Nov. 05, 2021	Nov. 26, 2021	Nov. 04, 2022	Radiation (03CH02-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 06, 2021	Nov. 26, 2021	Jan. 05, 2022	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	187289	9KHz~1GHz	Jan. 06, 2021	Nov. 26, 2021	Jan. 05, 2022	Radiation (03CH02-KS)
Amplifier	Keysight	83017A	MY53270316	500MHz~26.5G Hz	Oct. 16, 2021	Nov. 26, 2021	Oct. 15, 2022	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	616010002473	N/A	NCR	Nov. 26, 2021	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Nov. 26, 2021	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Nov. 26, 2021	NCR	Radiation (03CH02-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% ($U = 2Uc(y)$)	4.9dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

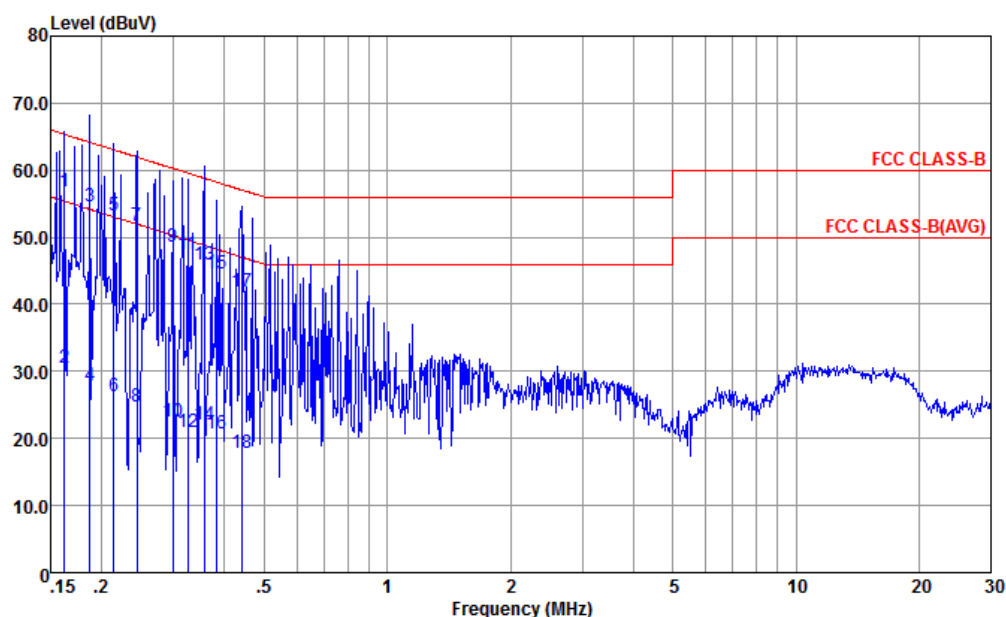
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1dB
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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.		

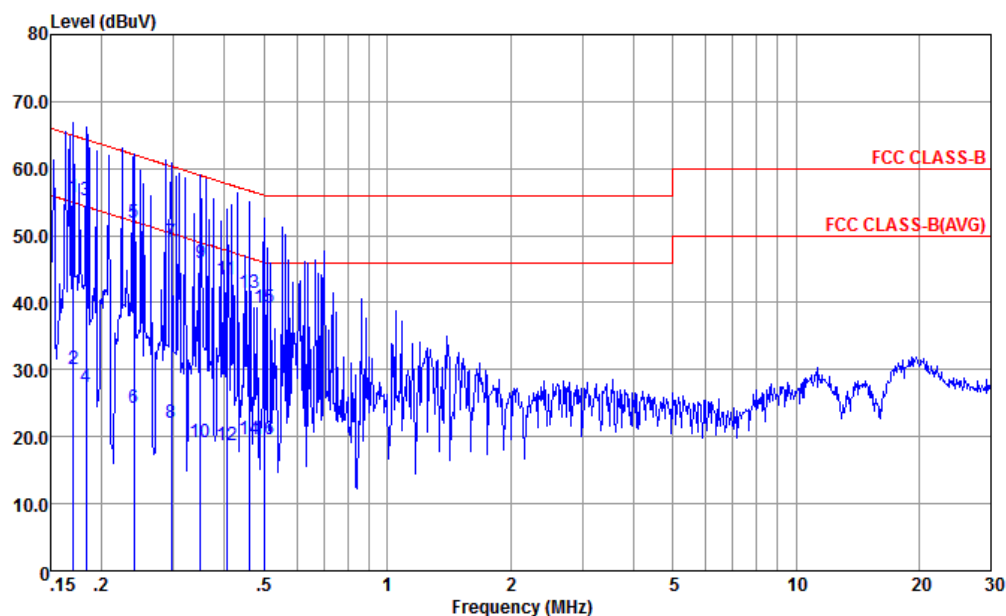


Site : CO01-KS
Condition : FCC CLASS-B LISN-L-060105-CN02 LINE
Project : (FC) 101907
mode : Mode 1

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.162	56.82	-8.52	65.34	46.30	0.07	10.45	QP
2	0.162	30.62	-24.72	55.34	20.10	0.07	10.45	Average
3	0.187	54.67	-9.48	64.15	44.20	0.08	10.39	QP
4	0.187	27.77	-26.38	54.15	17.30	0.08	10.39	Average
5	0.214	53.25	-9.80	63.05	42.81	0.09	10.35	QP
6	0.214	26.35	-26.70	53.05	15.91	0.09	10.35	Average
7	0.244	51.73	-10.22	61.95	41.29	0.10	10.34	QP
8	0.244	24.63	-27.32	51.95	14.19	0.10	10.34	Average
9	0.299	48.61	-11.67	60.28	38.19	0.11	10.31	QP
10	0.299	22.61	-27.67	50.28	12.19	0.11	10.31	Average
11	0.325	47.51	-12.06	59.57	37.10	0.11	10.30	QP
12	0.325	21.01	-28.56	49.57	10.60	0.11	10.30	Average
13	0.356	45.90	-12.93	58.83	35.51	0.11	10.28	QP
14	0.356	22.00	-26.83	48.83	11.61	0.11	10.28	Average
15	0.383	44.49	-13.72	58.21	34.10	0.12	10.27	QP
16	0.383	20.69	-27.52	48.21	10.30	0.12	10.27	Average
17	0.440	41.88	-15.19	57.07	31.51	0.12	10.25	QP
18	0.440	17.88	-29.19	47.07	7.51	0.12	10.25	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.		

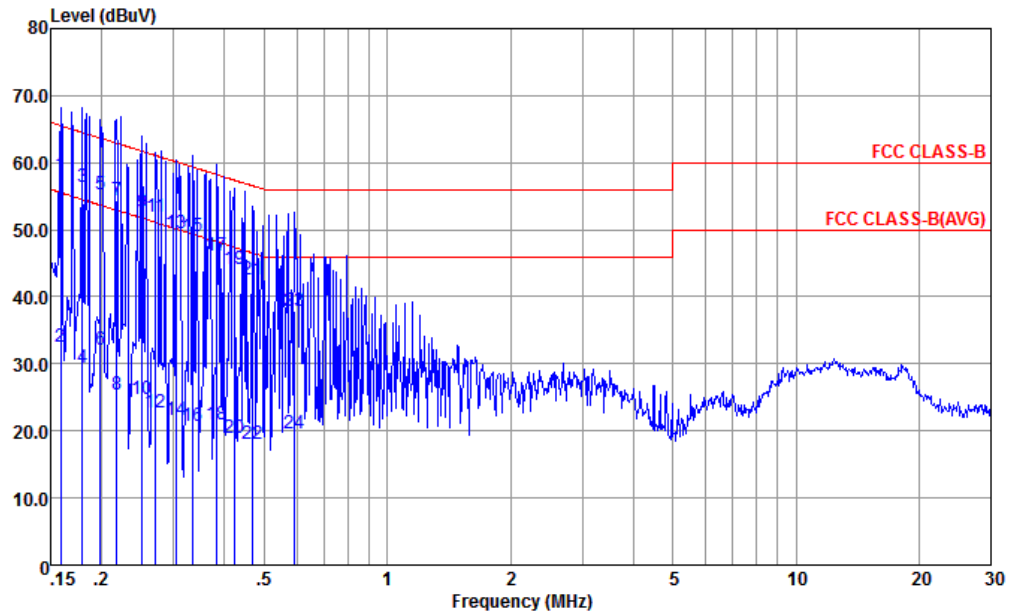


Site : CO01-KS
 Condition : FCC CLASS-B LISN-N-060105-CN02 NEUTRAL
 Project : (FC) 101907
 mode : Mode 1

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.170	55.78	-9.16	64.94	45.19	0.16	10.43	QP
2	0.170	30.18	-24.76	54.94	19.59	0.16	10.43	Average
3 *	0.183	55.36	-8.97	64.33	44.80	0.16	10.40	QP
4	0.183	27.36	-26.97	54.33	16.80	0.16	10.40	Average
5	0.240	52.02	-10.06	62.08	41.50	0.18	10.34	QP
6	0.240	24.32	-27.76	52.08	13.80	0.18	10.34	Average
7	0.296	49.00	-11.37	60.37	38.50	0.19	10.31	QP
8	0.296	22.10	-28.27	50.37	11.60	0.19	10.31	Average
9	0.348	45.99	-13.01	59.00	35.49	0.21	10.29	QP
10	0.348	19.09	-29.91	49.00	8.59	0.21	10.29	Average
11	0.404	43.38	-14.39	57.77	32.90	0.22	10.26	QP
12	0.404	18.68	-29.09	47.77	8.20	0.22	10.26	Average
13	0.461	41.37	-15.30	56.67	30.90	0.22	10.25	QP
14	0.461	19.67	-27.00	46.67	9.20	0.22	10.25	Average
15	0.502	39.27	-16.73	56.00	28.80	0.23	10.24	QP
16	0.502	19.57	-26.43	46.00	9.10	0.23	10.24	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.		

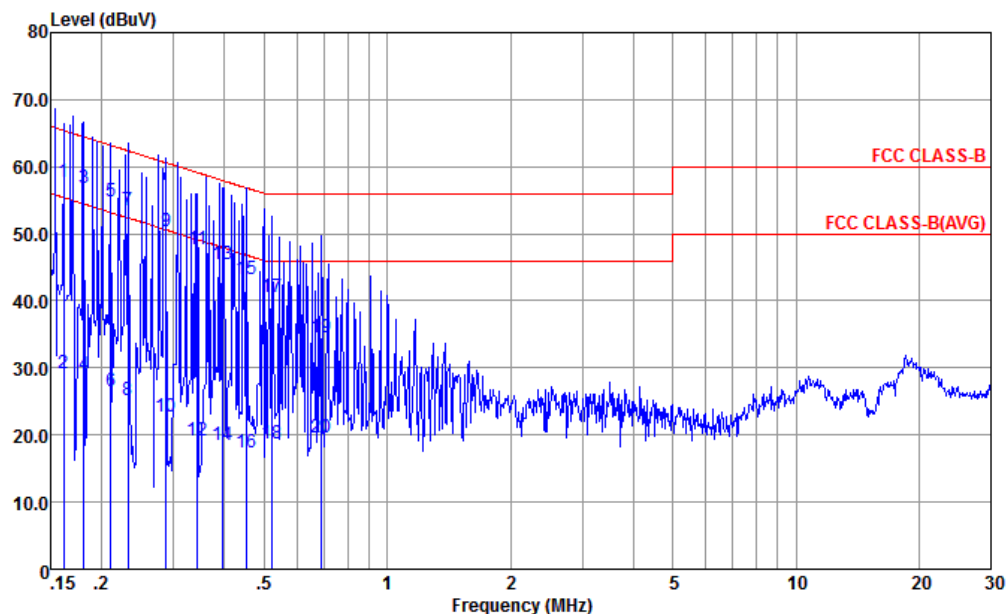


Site : CO01-KS
Condition : FCC CLASS-B LISN-L-060105-CN02 LINE
Project : (FC) 101907
mode : Mode 2

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.159	58.13	-7.39	65.52	47.60	0.07	10.46	QP
2	0.159	32.43	-23.09	55.52	21.90	0.07	10.46	Average
3	0.180	56.39	-8.11	64.50	45.90	0.08	10.41	QP
4	0.180	29.39	-25.11	54.50	18.90	0.08	10.41	Average
5	0.199	55.25	-8.42	63.67	44.79	0.09	10.37	QP
6	0.199	32.05	-21.62	53.67	21.59	0.09	10.37	Average
7	0.217	54.34	-8.58	62.92	43.90	0.09	10.35	QP
8	0.217	25.34	-27.58	52.92	14.90	0.09	10.35	Average
9	0.251	52.63	-9.10	61.73	42.20	0.10	10.33	QP
10	0.251	24.73	-27.00	51.73	14.30	0.10	10.33	Average
11	0.272	52.02	-9.05	61.07	41.60	0.10	10.32	QP
12	0.272	22.62	-28.45	51.07	12.20	0.10	10.32	Average
13	0.305	49.51	-10.59	60.10	39.09	0.11	10.31	QP
14	0.305	21.71	-28.39	50.10	11.29	0.11	10.31	Average
15	0.334	49.00	-10.35	59.35	38.60	0.11	10.29	QP
16	0.334	20.70	-28.65	49.35	10.30	0.11	10.29	Average
17	0.383	46.19	-12.02	58.21	35.80	0.12	10.27	QP
18	0.383	20.89	-27.32	48.21	10.50	0.12	10.27	Average
19	0.421	44.18	-13.24	57.42	33.80	0.12	10.26	QP
20	0.421	18.98	-28.44	47.42	8.60	0.12	10.26	Average
21	0.466	42.57	-14.01	56.58	32.20	0.13	10.24	QP
22	0.466	17.97	-28.61	46.58	7.60	0.13	10.24	Average
23	0.592	37.98	-18.02	56.00	27.60	0.14	10.24	QP
24	0.592	19.58	-26.42	46.00	9.20	0.14	10.24	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.		

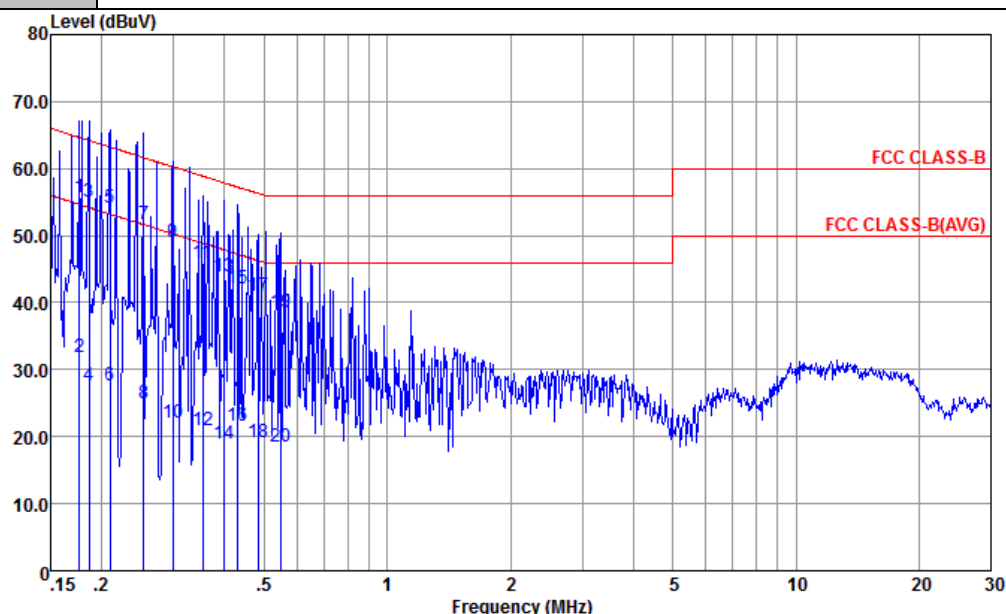


Site : CO01-KS
Condition : FCC CLASS-B LISN-N-060105-CN02 NEUTRAL
Project : (FC) 101907
mode : Mode 2

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
		dB	dBuV	dBuV	dB		dB	
1 *	0.162	57.70	-7.68	65.38	47.10	0.15	10.45	QP
2	0.162	29.20	-26.18	55.38	18.60	0.15	10.45	Average
3	0.181	56.77	-7.69	64.46	46.21	0.16	10.40	QP
4	0.181	28.87	-25.59	54.46	18.31	0.16	10.40	Average
5	0.211	54.73	-8.45	63.18	44.20	0.17	10.36	QP
6	0.211	26.43	-26.75	53.18	15.90	0.17	10.36	Average
7	0.232	53.42	-8.97	62.39	42.90	0.18	10.34	QP
8	0.232	25.12	-27.27	52.39	14.60	0.18	10.34	Average
9	0.288	50.41	-10.18	60.59	39.91	0.19	10.31	QP
10	0.288	22.71	-27.88	50.59	12.21	0.19	10.31	Average
11	0.343	47.69	-11.44	59.13	37.20	0.20	10.29	QP
12	0.343	19.09	-30.04	49.13	8.60	0.20	10.29	Average
13	0.396	45.38	-12.57	57.95	34.90	0.21	10.27	QP
14	0.396	18.58	-29.37	47.95	8.10	0.21	10.27	Average
15	0.452	43.27	-13.58	56.85	32.80	0.22	10.25	QP
16	0.452	17.27	-29.58	46.85	6.80	0.22	10.25	Average
17	0.521	40.67	-15.33	56.00	30.20	0.23	10.24	QP
18	0.521	18.67	-27.33	46.00	8.20	0.23	10.24	Average
19	0.686	34.59	-21.41	56.00	24.10	0.25	10.24	QP
20	0.686	19.59	-26.41	46.00	9.10	0.25	10.24	Average



Mode :	Mode 3	Temperature :	25.3~26.2℃
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.		

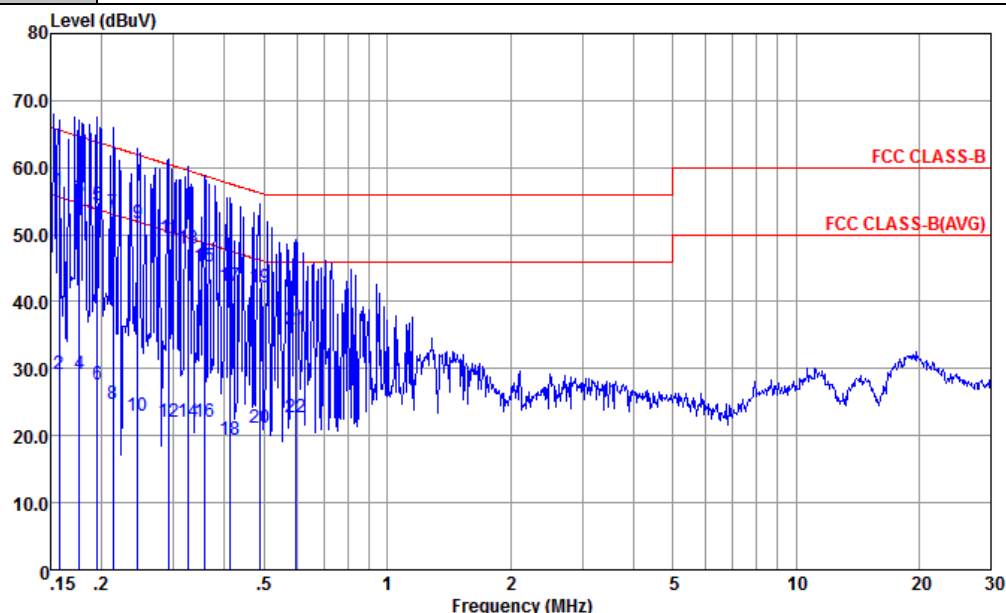


Site : CO01-KS
Condition : FCC CLASS-B LISN-L-060105-CN02 LINE
Project : (FC) 101907
mode : Mode 3

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.177	55.69	-8.95	64.64	45.20	0.08	10.41	QP
2	0.177	31.79	-22.85	54.64	21.30	0.08	10.41	Average
3	0.186	55.07	-9.13	64.20	44.60	0.08	10.39	QP
4	0.186	27.67	-26.53	54.20	17.20	0.08	10.39	Average
5	0.209	54.05	-9.18	63.23	43.60	0.09	10.36	QP
6	0.209	27.65	-26.58	53.23	17.20	0.09	10.36	Average
7	0.253	51.63	-10.01	61.64	41.20	0.10	10.33	QP
8	0.253	24.93	-26.71	51.64	14.50	0.10	10.33	Average
9	0.299	49.01	-11.27	60.28	38.59	0.11	10.31	QP
10	0.299	22.01	-28.27	50.28	11.59	0.11	10.31	Average
11	0.354	45.90	-12.97	58.87	35.51	0.11	10.28	QP
12	0.354	20.90	-27.97	48.87	10.51	0.11	10.28	Average
13	0.400	43.99	-13.87	57.86	33.60	0.12	10.27	QP
14	0.400	18.99	-28.87	47.86	8.60	0.12	10.27	Average
15	0.431	42.18	-15.06	57.24	31.80	0.12	10.26	QP
16	0.431	21.58	-25.66	47.24	11.20	0.12	10.26	Average
17	0.484	40.97	-15.30	56.27	30.60	0.13	10.24	QP
18	0.484	19.17	-27.10	46.27	8.80	0.13	10.24	Average
19	0.549	38.47	-17.53	56.00	28.09	0.14	10.24	QP
20	0.549	18.47	-27.53	46.00	8.09	0.14	10.24	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.		

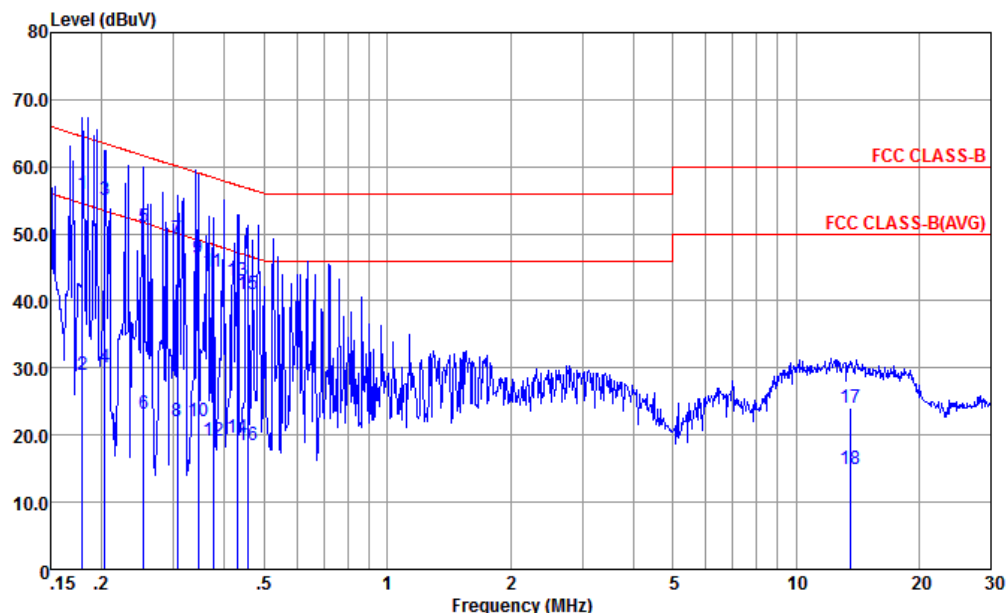


Site : CO01-KS
Condition : FCC CLASS-B LISN-N-060105-CN02 NEUTRAL
Project : (FC) 101907
mode : Mode 3

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1 *	0.157	56.51	-9.09	65.60	45.90	0.15	10.46	QP
2	0.157	29.21	-26.39	55.60	18.60	0.15	10.46	Average
3	0.177	55.47	-9.17	64.64	44.90	0.16	10.41	QP
4	0.177	29.17	-25.47	54.64	18.60	0.16	10.41	Average
5	0.195	54.44	-9.36	63.80	43.90	0.17	10.37	QP
6	0.195	27.74	-26.06	53.80	17.20	0.17	10.37	Average
7	0.213	53.33	-9.77	63.10	42.80	0.17	10.36	QP
8	0.213	24.63	-28.47	53.10	14.10	0.17	10.36	Average
9	0.246	51.62	-10.29	61.91	41.10	0.18	10.34	QP
10	0.246	23.02	-28.89	51.91	12.50	0.18	10.34	Average
11	0.292	49.40	-11.06	60.46	38.90	0.19	10.31	QP
12	0.292	22.10	-28.36	50.46	11.60	0.19	10.31	Average
13	0.327	48.00	-11.53	59.53	37.51	0.20	10.29	QP
14	0.327	22.10	-27.43	49.53	11.61	0.20	10.29	Average
15	0.358	45.29	-13.49	58.78	34.80	0.21	10.28	QP
16	0.358	22.09	-26.69	48.78	11.60	0.21	10.28	Average
17	0.413	42.38	-15.21	57.59	31.90	0.22	10.26	QP
18	0.413	19.28	-28.31	47.59	8.80	0.22	10.26	Average
19	0.489	42.03	-14.16	56.19	31.56	0.23	10.24	QP
20	0.489	21.07	-25.12	46.19	10.60	0.23	10.24	Average
21	0.598	35.98	-20.02	56.00	25.50	0.24	10.24	QP
22	0.598	22.78	-23.22	46.00	12.30	0.24	10.24	Average



Mode :	Mode 4	Temperature :	25.3~26.2℃
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.		

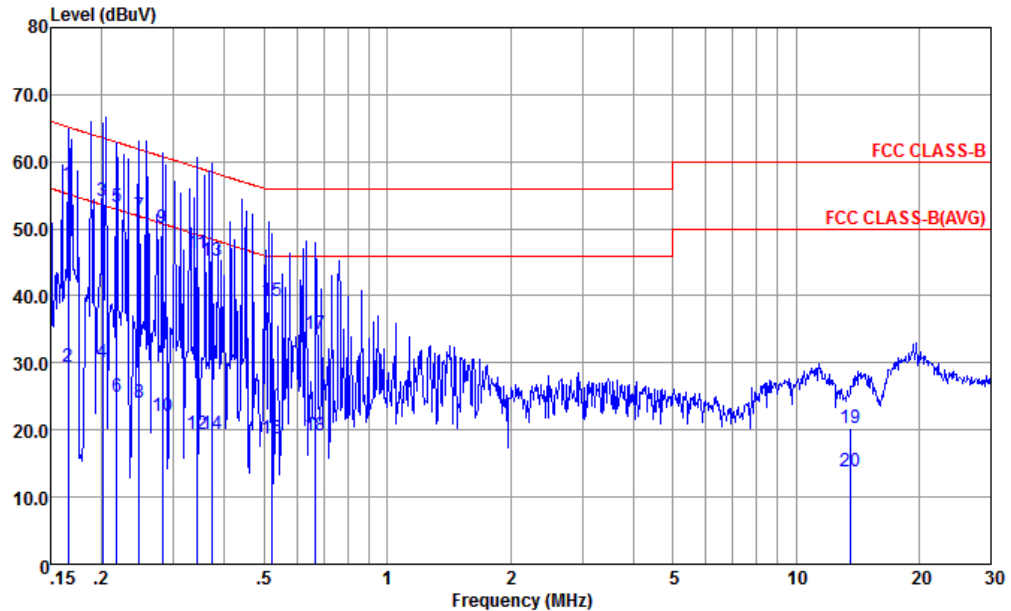


Site : CO01-KS
Condition : FCC CLASS-B LISN-L-060105-CN02 LINE
Project : (FC) 101907
mode : Mode 4

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.180	55.99	-8.51	64.50	45.50	0.08	10.41	QP
2	0.180	28.99	-25.51	54.50	18.50	0.08	10.41	Average
3 *	0.204	54.95	-8.50	63.45	44.50	0.09	10.36	QP
4	0.204	30.05	-23.40	53.45	19.60	0.09	10.36	Average
5	0.253	50.93	-10.71	61.64	40.50	0.10	10.33	QP
6	0.253	23.23	-28.41	51.64	12.80	0.10	10.33	Average
7	0.307	49.31	-10.75	60.06	38.90	0.11	10.30	QP
8	0.307	22.01	-28.05	50.06	11.60	0.11	10.30	Average
9	0.345	46.30	-12.79	59.09	35.90	0.11	10.29	QP
10	0.345	22.00	-27.09	49.09	11.60	0.11	10.29	Average
11	0.375	44.29	-14.10	58.39	33.89	0.12	10.28	QP
12	0.375	19.19	-29.20	48.39	8.79	0.12	10.28	Average
13	0.431	42.98	-14.26	57.24	32.60	0.12	10.26	QP
14	0.431	19.68	-27.66	47.24	9.20	0.12	10.26	Average
15	0.456	40.97	-15.79	56.76	30.59	0.13	10.25	QP
16	0.456	18.47	-28.29	46.76	8.09	0.13	10.25	Average
17	13.560	23.98	-36.02	60.00	12.20	1.40	10.38	QP
18	13.560	14.88	-35.12	50.00	3.10	1.40	10.38	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.		

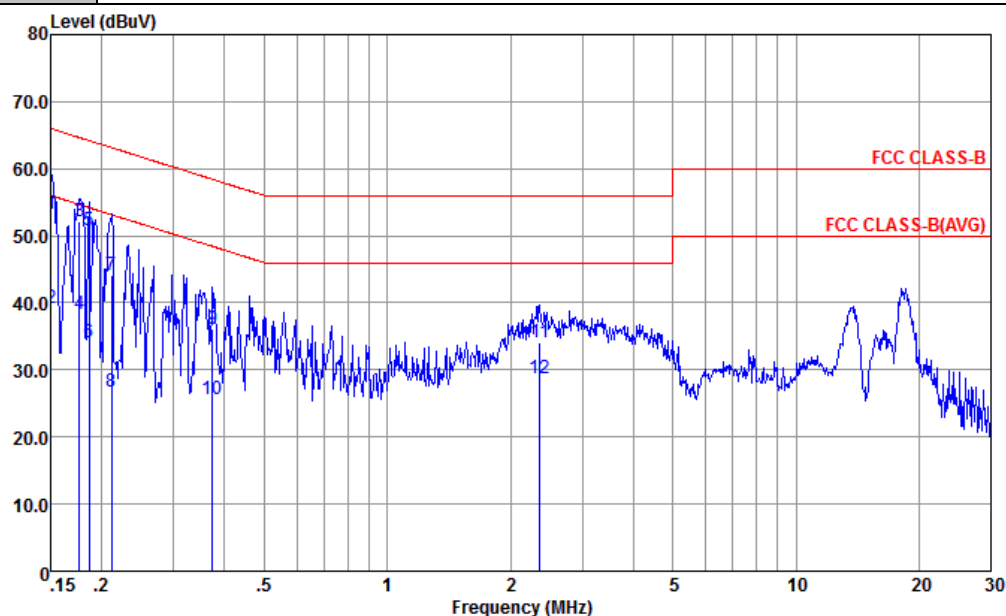


Site : CO01-KS
 Condition : FCC CLASS-B LISN-N-060105-CN02 NEUTRAL
 Project : (FC) 101907
 mode : Mode 4

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.166	56.50	-8.66	65.16	45.90	0.16	10.44	QP
2	0.166	29.40	-25.76	55.16	18.80	0.16	10.44	Average
3	0.201	54.13	-9.45	63.58	43.60	0.17	10.36	QP
4	0.201	30.13	-23.45	53.58	19.60	0.17	10.36	Average
5	0.217	53.33	-9.59	62.92	42.81	0.17	10.35	QP
6	0.217	25.03	-27.89	52.92	14.51	0.17	10.35	Average
7	0.247	52.02	-9.84	61.86	41.50	0.18	10.34	QP
8	0.247	24.12	-27.74	51.86	13.60	0.18	10.34	Average
9	0.282	50.11	-10.65	60.76	39.60	0.19	10.32	QP
10	0.282	22.11	-28.65	50.76	11.60	0.19	10.32	Average
11	0.343	46.39	-12.74	59.13	35.90	0.20	10.29	QP
12	0.343	19.29	-29.84	49.13	8.80	0.20	10.29	Average
13	0.371	45.29	-13.18	58.47	34.80	0.21	10.28	QP
14	0.371	19.29	-29.18	48.47	8.80	0.21	10.28	Average
15	0.524	39.27	-16.73	56.00	28.80	0.23	10.24	QP
16	0.524	18.67	-27.33	46.00	8.20	0.23	10.24	Average
17	0.668	34.29	-21.71	56.00	23.80	0.25	10.24	QP
18	0.668	19.09	-26.91	46.00	8.60	0.25	10.24	Average
19	13.560	20.33	-39.67	60.00	8.20	1.75	10.38	QP
20	13.560	13.73	-36.27	50.00	1.60	1.75	10.38	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.		

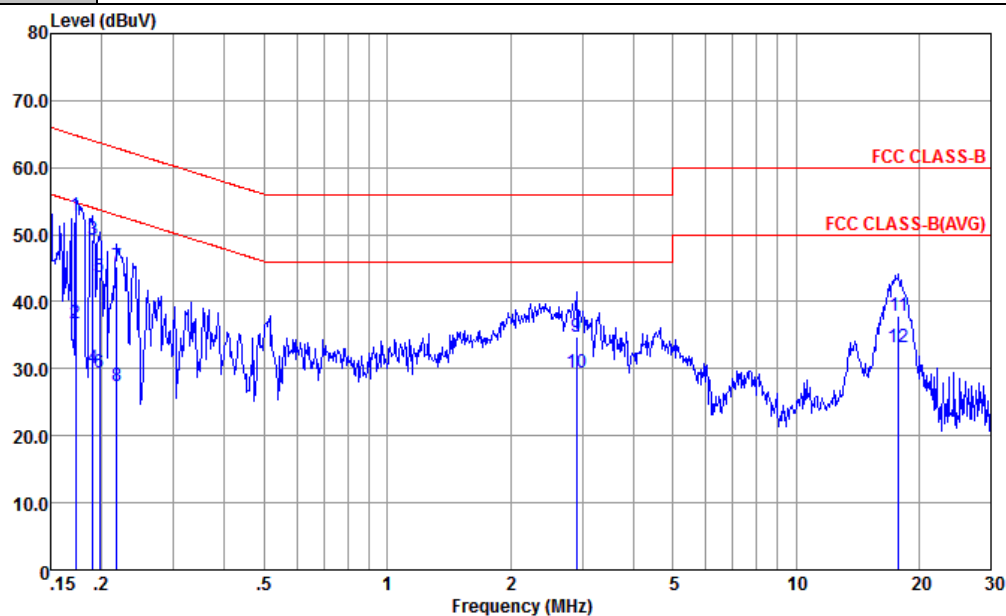


Site : CO01-KS
 Condition : FCC CLASS-B LISN-L-060105-CN02 LINE
 Project : (FC) 101907
 mode : Mode 5

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.150	53.15	-12.85	66.00	42.60	0.07	10.48	QP
2	0.150	39.15	-16.85	56.00	28.60	0.07	10.48	Average
3 *	0.177	52.09	-12.55	64.64	41.60	0.08	10.41	QP
4	0.177	38.39	-16.25	54.64	27.90	0.08	10.41	Average
5	0.186	50.77	-13.43	64.20	40.30	0.08	10.39	QP
6	0.186	34.07	-20.13	54.20	23.60	0.08	10.39	Average
7	0.212	44.05	-19.09	63.14	33.60	0.09	10.36	QP
8	0.212	26.65	-26.49	53.14	16.20	0.09	10.36	Average
9	0.373	35.99	-22.44	58.43	25.59	0.12	10.28	QP
10	0.373	25.59	-22.84	48.43	15.19	0.12	10.28	Average
11	2.358	34.17	-21.83	56.00	23.50	0.44	10.23	QP
12	2.358	28.77	-17.23	46.00	18.10	0.44	10.23	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.		

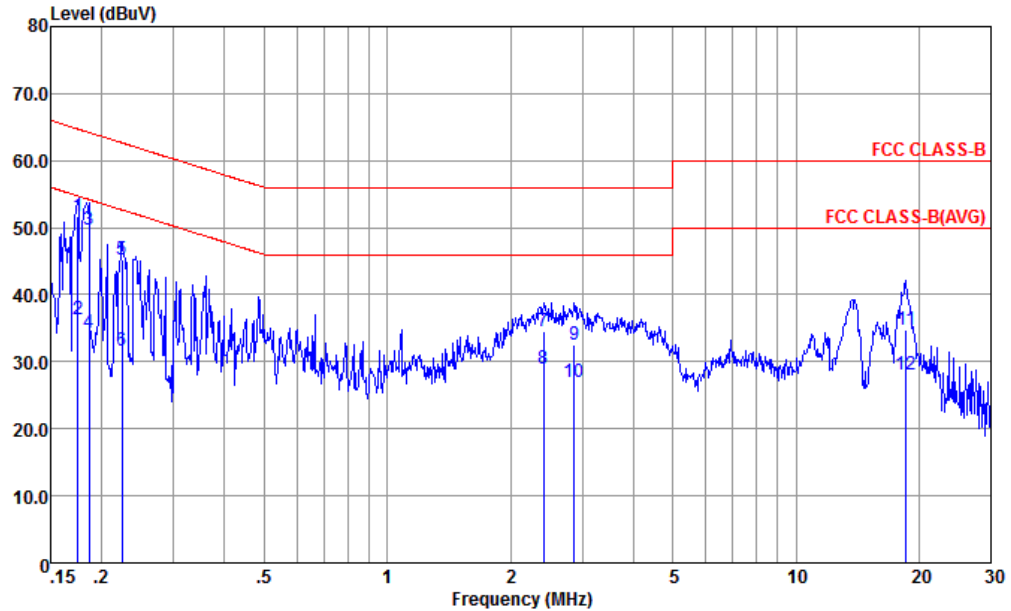


Site : CO01-KS
Condition : FCC CLASS-B LISN-N-060105-CN02 NEUTRAL
Project : (FC) 101907
mode : Mode 5

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.173	52.78	-12.03	64.81	42.20	0.16	10.42	QP
2	0.173	36.78	-18.03	54.81	26.20	0.16	10.42	Average
3	0.190	49.15	-14.87	64.02	38.61	0.16	10.38	QP
4	0.190	30.15	-23.87	54.02	19.61	0.16	10.38	Average
5	0.198	43.73	-19.98	63.71	33.19	0.17	10.37	QP
6	0.198	29.33	-24.38	53.71	18.79	0.17	10.37	Average
7	0.217	45.33	-17.59	62.92	34.81	0.17	10.35	QP
8	0.217	27.33	-25.59	52.92	16.81	0.17	10.35	Average
9	2.900	34.79	-21.21	56.00	23.90	0.65	10.24	QP
10	2.900	29.39	-16.61	46.00	18.50	0.65	10.24	Average
11	17.849	37.80	-22.20	60.00	24.91	2.44	10.45	QP
12	17.849	33.10	-16.90	50.00	20.21	2.44	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.		

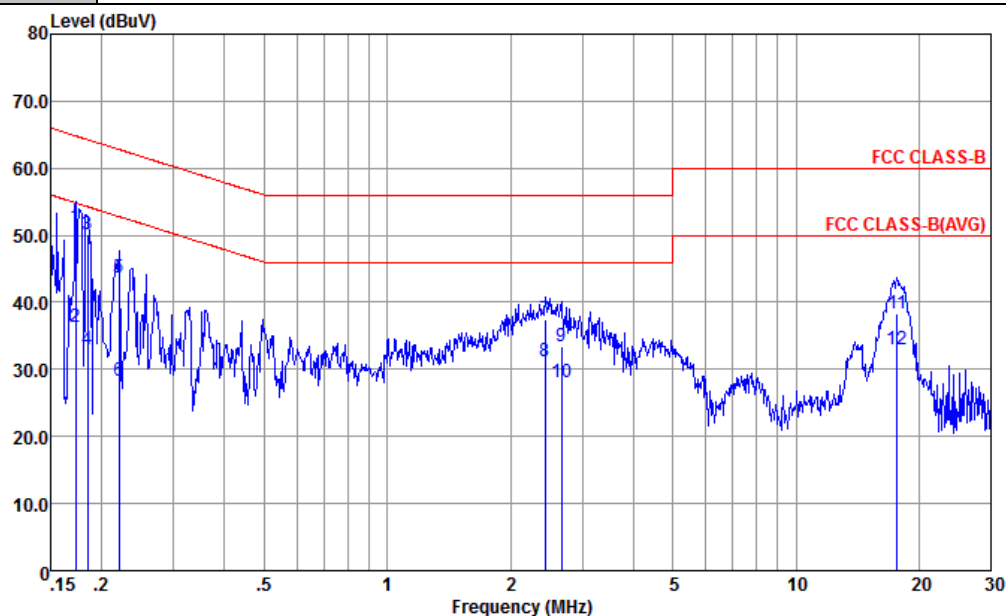


Site : CO01-KS
 Condition : FCC CLASS-B LISN-L-060105-CN02 LINE
 Project : (FC) 101907
 mode : Mode 6

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.175	51.60	-13.12	64.72	41.10	0.08	10.42	QP
2	0.175	36.40	-18.32	54.72	25.90	0.08	10.42	Average
3	0.186	49.67	-14.53	64.20	39.20	0.08	10.39	QP
4	0.186	34.37	-19.83	54.20	23.90	0.08	10.39	Average
5	0.224	45.24	-17.42	62.66	34.80	0.09	10.35	QP
6	0.224	31.64	-21.02	52.66	21.20	0.09	10.35	Average
7	2.409	34.58	-21.42	56.00	23.90	0.45	10.23	QP
8	2.409	28.88	-17.12	46.00	18.20	0.45	10.23	Average
9	2.869	32.64	-23.36	56.00	21.90	0.50	10.24	QP
10	2.869	27.04	-18.96	46.00	16.30	0.50	10.24	Average
11	18.622	34.67	-25.33	60.00	22.20	2.00	10.47	QP
12	18.622	27.97	-22.03	50.00	15.50	2.00	10.47	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-N-060105-CN02 NEUTRAL
 Project : (FC) 101907
 mode : Mode 6

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1 *	0.173	51.18	-13.63	64.81	40.60	0.16	10.42	QP
2	0.173	36.38	-18.43	54.81	25.80	0.16	10.42	Average
3	0.184	50.16	-14.12	64.28	39.60	0.16	10.40	QP
4	0.184	33.06	-21.22	54.28	22.50	0.16	10.40	Average
5	0.221	43.72	-19.07	62.79	33.20	0.17	10.35	QP
6	0.221	28.32	-24.47	52.79	17.80	0.17	10.35	Average
7	2.435	37.42	-18.58	56.00	26.60	0.59	10.23	QP
8	2.435	31.12	-14.88	46.00	20.30	0.59	10.23	Average
9	2.664	33.36	-22.64	56.00	22.50	0.62	10.24	QP
10	2.664	28.16	-17.84	46.00	17.30	0.62	10.24	Average
11	17.661	38.37	-21.63	60.00	25.50	2.42	10.45	QP
12	17.661	33.07	-16.93	50.00	20.20	2.42	10.45	Average

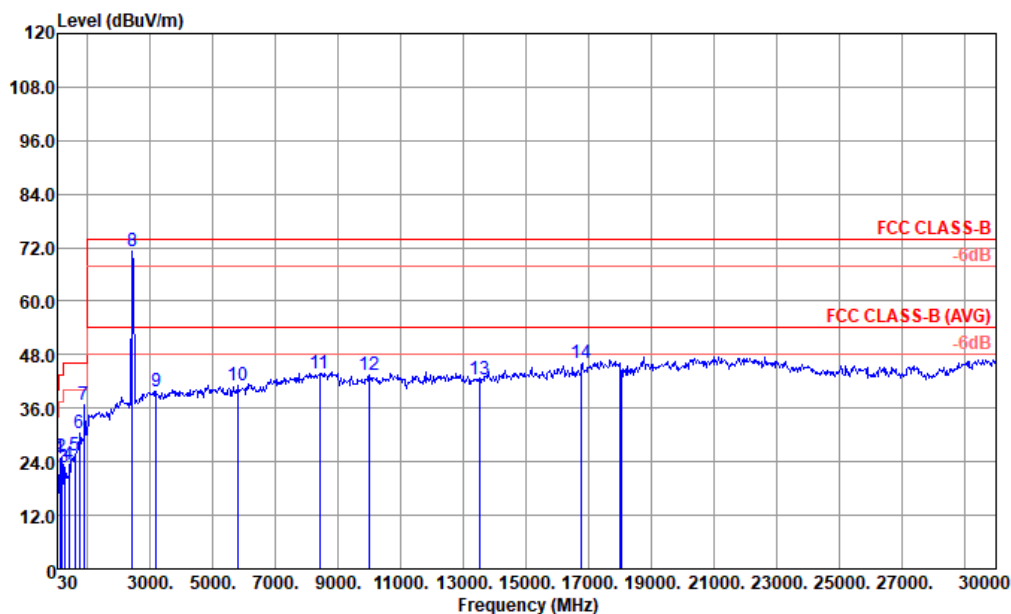
Note:

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



Appendix B. Radiated Emission Test Result

Mode :	Mode 1	Temperature :	21~22°C
Test Engineer :	Yoke Si	Relative Humidity :	51~52%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#7 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.		

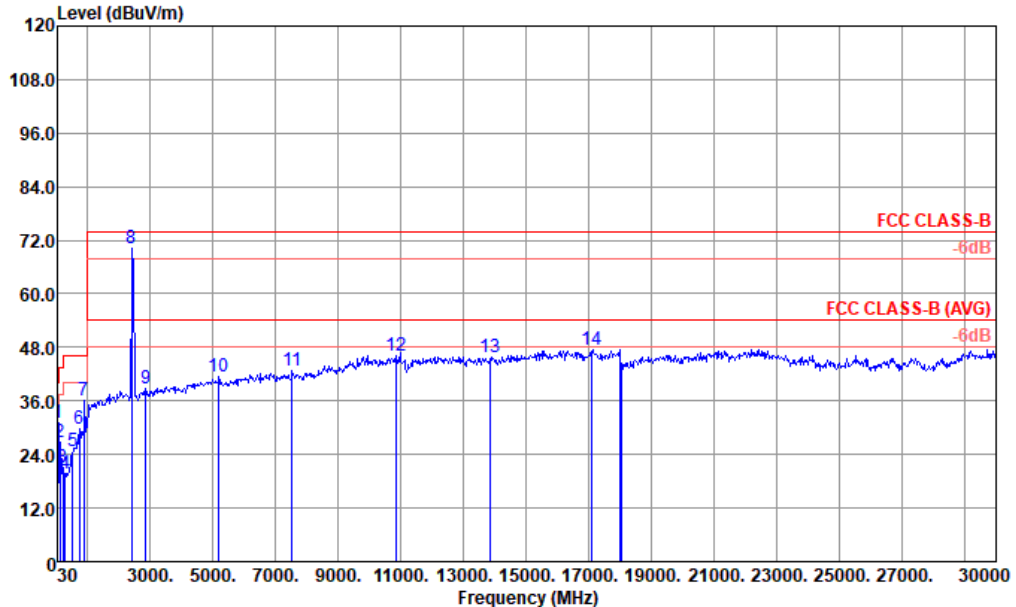


Site : 03CH02-KS
 Condition : FCC CLASS-B 3m LF 6111D SN44483 HORIZONTAL
 Project : (FC)101907
 Mode : 1

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	cm	deg	
			dB	dBuV/m	dBuV	dB/m	dB	dB		
1	108.570	24.75	-18.75	43.50	38.33	16.91	1.69	32.18	---	Peak
2	159.010	25.09	-18.41	43.50	38.59	16.56	2.04	32.10	---	Peak
3	256.980	22.59	-23.41	46.00	32.17	19.99	2.62	32.19	---	Peak
4	397.630	23.51	-22.49	46.00	30.71	21.83	3.26	32.29	---	Peak
5	579.020	25.34	-20.66	46.00	28.09	25.63	3.92	32.30	---	Peak
6	724.520	30.34	-15.66	46.00	30.76	27.44	4.39	32.25	---	Peak
7	881.660	36.72			34.97	29.17	4.85	32.27	---	Peak
8	2416.000	71.23			92.31	33.37	7.44	61.89	---	Peak
9	3176.000	39.72	-34.28	74.00	58.38	33.38	9.28	61.32	---	Peak
10	5784.000	41.06	-32.94	74.00	54.74	35.28	12.66	61.62	---	Peak
11	8408.000	43.86	-30.14	74.00	54.01	36.47	15.59	62.21	---	Peak
12	9972.000	43.56	-30.44	74.00	24.28	37.50	17.04	35.26	---	Peak
13	13491.000	42.46	-31.54	74.00	19.66	38.40	19.80	35.40	---	Peak
14	16776.000	46.12	-27.88	74.00	18.42	40.28	22.46	35.04	---	Peak



Mode :	Mode 1	Temperature :	21~22°C
Test Engineer :	Yoke Si	Relative Humidity :	51~52%
Test Distance :	3m	Polarization :	Vertical
Remark :	#7 s 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.		

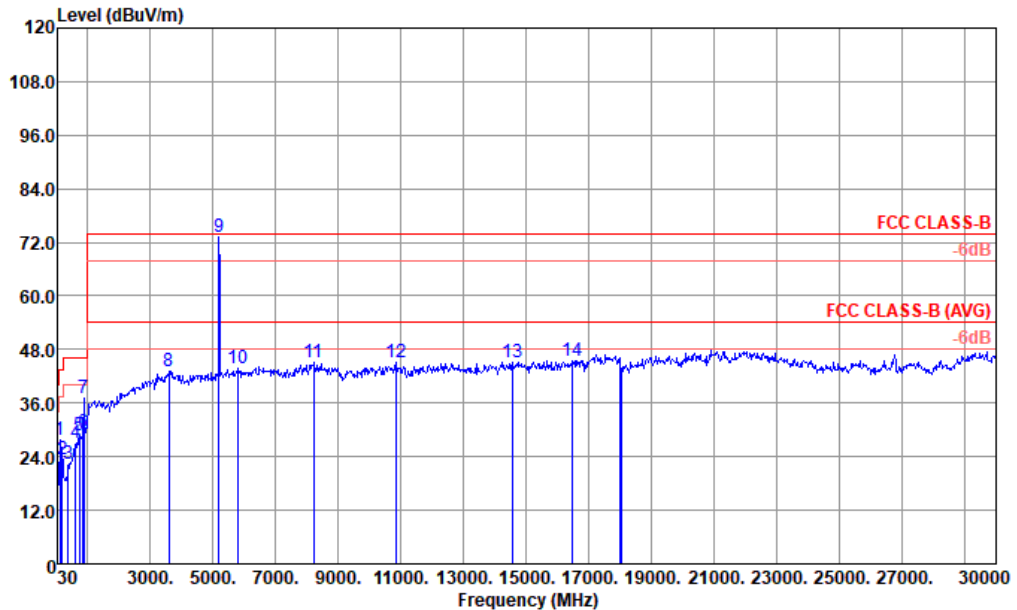


Site : 03CH02-KS
Condition : FCC CLASS-B 3m LF 6111D SN44483 VERTICAL
Project : (FC)101907
Mode : 1

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	cm	deg	
			dB	dBuV/m	dBuV	dB	dB			
1	44.550	30.94	-9.06	40.00	44.99	17.35	0.78	32.18	---	Peak
2	110.510	26.79	-16.71	43.50	40.22	17.05	1.70	32.18	---	Peak
3	198.780	21.02	-22.48	43.50	35.74	15.07	2.31	32.10	---	Peak
4	268.620	19.77	-26.23	46.00	29.46	19.80	2.67	32.16	---	Peak
5	515.000	24.83	-21.17	46.00	29.09	24.41	3.70	32.37	---	Peak
6	724.520	29.61	-16.39	46.00	30.03	27.44	4.39	32.25	---	Peak
7	881.660	36.01			34.26	29.17	4.85	32.27	---	Peak
8	2408.000	70.28			91.36	33.37	7.44	61.89	---	Peak
9	2856.000	38.86	-35.14	74.00	59.04	32.60	8.80	61.58	---	Peak
10	5160.000	41.57	-32.43	74.00	56.31	34.95	12.00	61.69	---	Peak
11	7520.000	42.82	-31.18	74.00	53.57	36.52	14.58	61.85	---	Peak
12	10827.000	46.03	-27.97	74.00	25.34	38.11	17.74	35.16	---	Peak
13	13869.000	45.76	-28.24	74.00	22.35	38.55	20.04	35.18	---	Peak
14	17100.000	47.33	-26.67	74.00	19.14	40.42	22.80	35.03	---	Peak



Mode :	Mode 2	Temperature :	21~22°C
Test Engineer :	Yoke Si	Relative Humidity :	51~52%
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.		

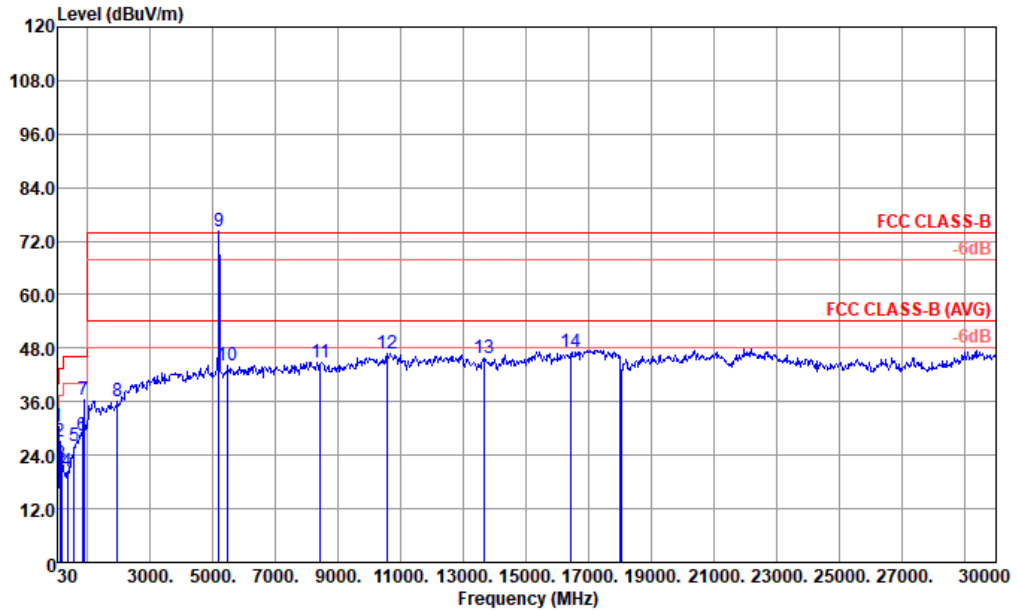


Site : 03CH02-KS
Condition : FCC CLASS-B 3m LF 6111D SN44483 HORIZONTAL
Project : (FC)101907
Mode : 2

	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	116.330	27.73	-15.77	43.50	40.78	17.38	1.74	32.17	---	---	Peak
2	183.260	23.40	-20.10	43.50	38.29	15.01	2.20	32.10	---	---	Peak
3	377.260	22.29	-23.71	46.00	30.23	21.14	3.17	32.25	---	---	Peak
4	607.150	27.16	-18.84	46.00	29.54	25.90	4.01	32.29	---	---	Peak
5	742.950	28.63	-17.37	46.00	28.48	27.99	4.45	32.29	---	---	Peak
6	857.410	29.51	-16.49	46.00	27.83	29.27	4.78	32.37	---	---	Peak
7	870.990	37.05			35.33	29.22	4.82	32.32	---	---	Peak
8	3592.000	43.07	-30.93	74.00	61.18	33.67	9.92	61.70	---	---	Peak
9	5184.000	73.36			88.53	35.36	11.16	61.69	---	---	Peak
10	5808.000	43.70	-30.30	74.00	57.76	34.85	12.72	61.63	---	---	Peak
11	8216.000	44.96	-29.04	74.00	56.20	35.29	15.47	62.00	---	---	Peak
12	10827.000	45.24	-28.76	74.00	24.55	38.11	17.74	35.16	---	---	Peak
13	14571.000	45.05	-28.95	74.00	20.72	38.94	20.58	35.19	---	---	Peak
14	16452.000	45.60	-28.40	74.00	18.36	40.25	22.10	35.11	---	---	Peak



Mode :	Mode 2	Temperature :	21~22°C
Test Engineer :	Yoke Si	Relative Humidity :	51~52%
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.		

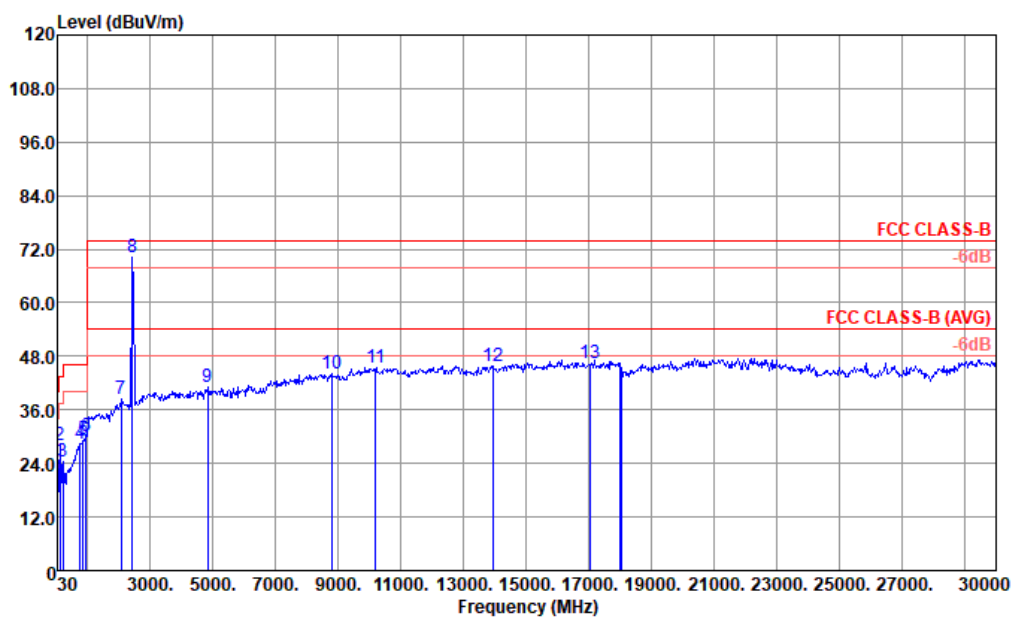


Site : 03CH02-KS
Condition : FCC CLASS-B 3m LF 6111D SN44483 VERTICAL
Project : (FC)101907
Mode : 2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	cm	deg
			dB	dBuV/m	dBuV	dB/m	dB	dB		
1	44.550	30.55	-9.45	40.00	44.60	17.35	0.78	32.18	---	Peak
2	118.270	27.06	-16.44	43.50	39.97	17.49	1.76	32.16	---	Peak
3	172.590	22.16	-21.34	43.50	36.59	15.54	2.13	32.10	---	Peak
4	343.310	20.42	-25.58	46.00	29.30	20.29	3.02	32.19	---	Peak
5	570.290	25.93	-20.07	46.00	28.78	25.56	3.89	32.30	---	Peak
6	819.580	28.54	-17.46	46.00	27.57	28.63	4.68	32.34	---	Peak
7	870.990	36.43			34.71	29.22	4.82	32.32	---	Peak
8	1952.000	36.16	-37.84	74.00	60.66	29.96	7.24	61.70	---	Peak
9	5176.000	74.33			89.50	35.36	11.16	61.69	---	Peak
10	5472.000	44.14	-29.86	74.00	58.25	35.14	12.39	61.64	---	Peak
11	8432.000	44.93	-29.07	74.00	56.49	35.07	15.60	62.23	---	Peak
12	10548.000	46.76	-27.24	74.00	26.44	37.91	17.52	35.11	---	Peak
13	13635.000	45.87	-28.13	74.00	22.85	38.45	19.89	35.32	---	Peak
14	16434.000	46.98	-27.02	74.00	19.78	40.24	22.08	35.12	---	Peak



Mode :	Mode 3	Temperature :	21~22°C
Test Engineer :	Yoke Si	Relative Humidity :	51~52%
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.		

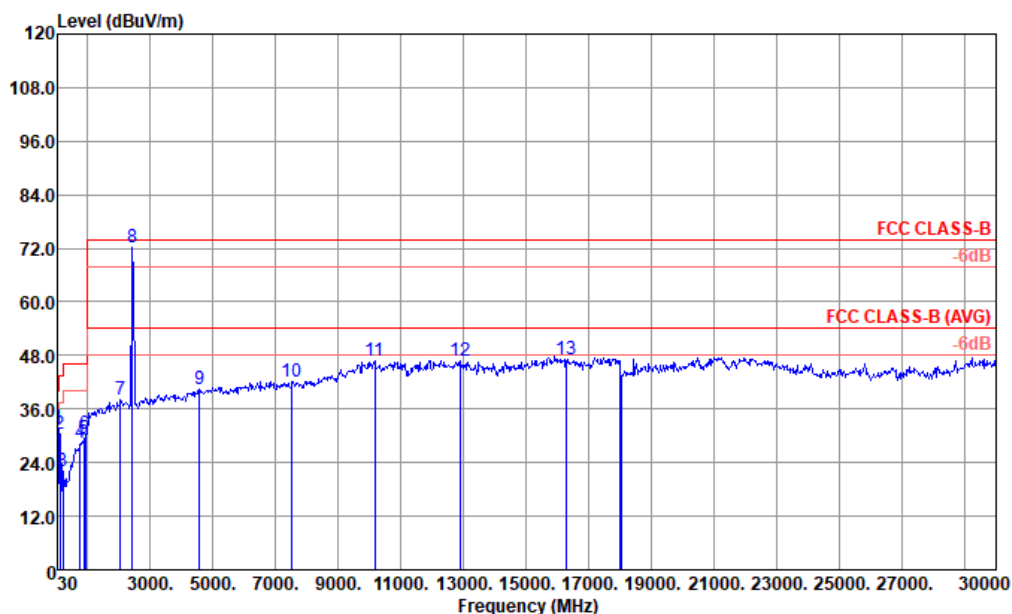


Site : 03CH02-KS
 Condition : FCC CLASS-B 3m LF 6111D SN44483 HORIZONTAL
 Project : (FC)101907
 Mode : 3

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	cm	deg
1	30.000	20.58	-19.42	40.00	27.14	25.10	0.54	32.20	---	Peak
2	107.600	27.94	-15.56	43.50	41.62	16.82	1.69	32.19	---	Peak
3	211.390	24.30	-19.20	43.50	38.83	15.21	2.38	32.12	---	Peak
4	757.500	28.51	-17.49	46.00	28.12	28.20	4.49	32.30	---	Peak
5	862.260	29.34	-16.66	46.00	27.65	29.25	4.79	32.35	---	Peak
6	937.920	29.96	-16.04	46.00	26.61	30.55	5.00	32.20	---	Peak
7	2064.000	38.35	-35.65	74.00	61.90	30.47	7.43	61.45	---	Peak
8	2416.000	70.23			91.31	33.37	7.44	61.89	---	Peak
9	4840.000	40.97	-33.03	74.00	56.51	34.83	11.60	61.97	---	Peak
10	8792.000	43.96	-30.04	74.00	53.15	37.25	15.89	62.33	---	Peak
11	10188.000	45.62	-28.38	74.00	25.98	37.64	17.22	35.22	---	Peak
12	13959.000	45.72	-28.28	74.00	22.17	38.58	20.09	35.12	---	Peak
13	17055.000	46.56	-27.44	74.00	18.46	40.36	22.76	35.02	---	Peak



Mode :	Mode 3	Temperature :	21~22°C
Test Engineer :	Yoke Si	Relative Humidity :	51~52%
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.		

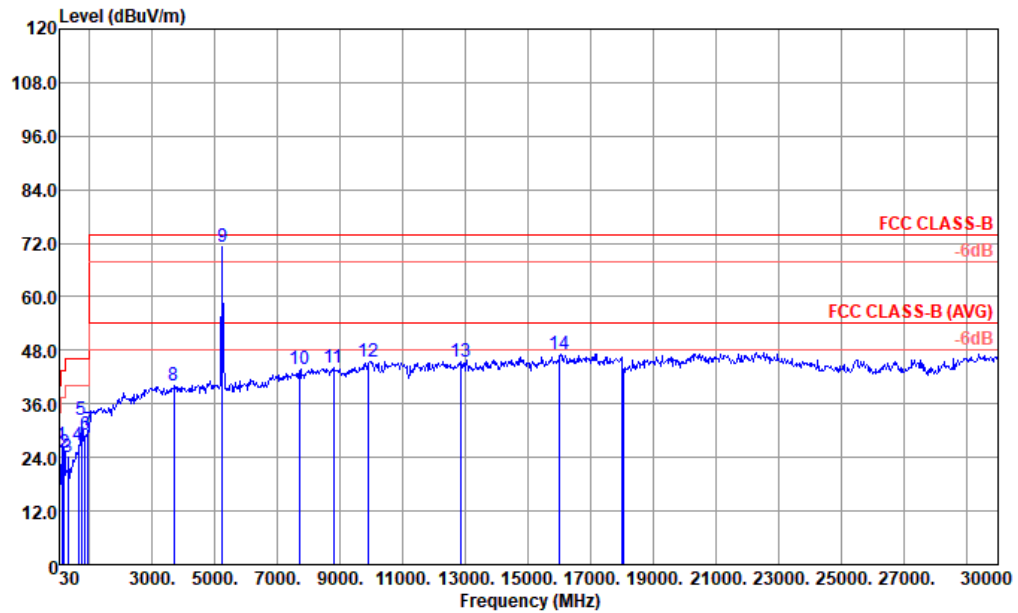


Site : 03CH02-KS
Condition : FCC CLASS-B 3m LF 6111D SN44483 VERTICAL
Project : (FC)101907
Mode : 3

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	cm	deg
1	44.550	31.81	-8.19	40.00	45.86	17.35	0.78	32.18	---	Peak
2	105.660	30.52	-12.98	43.50	44.40	16.64	1.67	32.19	---	Peak
3	213.330	22.13	-21.37	43.50	36.64	15.23	2.39	32.13	---	Peak
4	764.290	28.25	-17.75	46.00	27.84	28.20	4.51	32.30	---	Peak
5	865.170	29.39	-16.61	46.00	27.69	29.24	4.80	32.34	---	Peak
6	919.490	30.38	-15.62	46.00	27.78	29.85	4.95	32.20	---	Peak
7	2040.000	38.04	-35.96	74.00	61.79	30.28	7.37	61.40	---	Peak
8	2416.000	72.26			93.34	33.37	7.44	61.89	---	Peak
9	4560.000	40.50	-33.50	74.00	56.77	34.89	11.24	62.40	---	Peak
10	7512.000	42.23	-31.77	74.00	53.01	36.51	14.56	61.85	---	Peak
11	10161.000	46.64	-27.36	74.00	27.04	37.62	17.21	35.23	---	Peak
12	12879.000	46.81	-27.19	74.00	24.24	38.73	19.41	35.57	---	Peak
13	16281.000	47.20	-26.80	74.00	20.24	40.23	21.91	35.18	---	Peak



Mode :	Mode 4	Temperature :	21~22°C
Test Engineer :	Yoke Si	Relative Humidity :	51~52%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#5 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.		

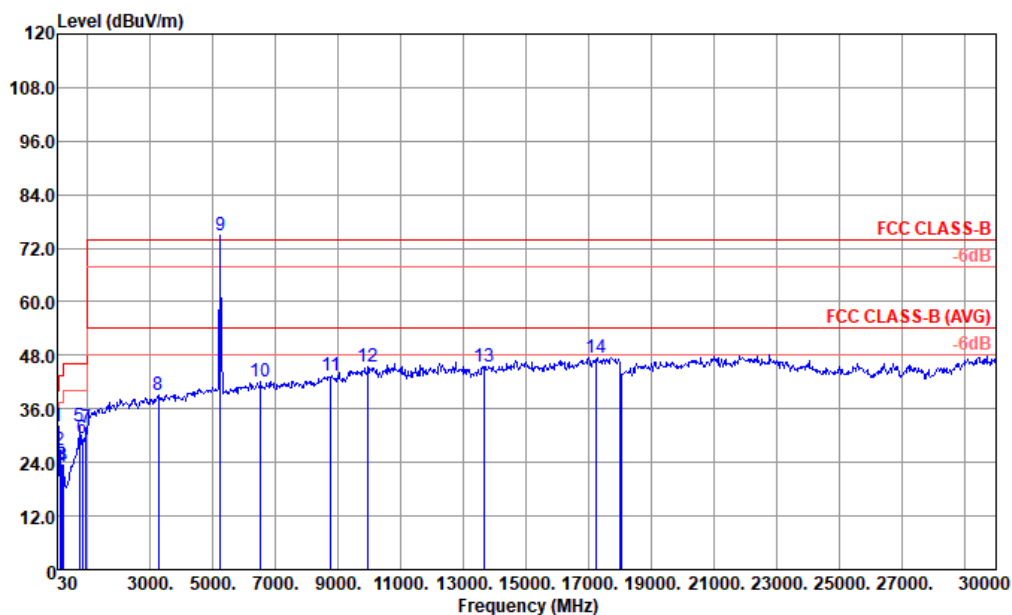


Site : 03CH02-KS
 Condition : FCC CLASS-B 3m LF 6111D SN44483 HORIZONTAL
 Project : (FC)101907
 Mode : 4

	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	116.330	26.90	-16.60	43.50	39.95	17.38	1.74	32.17	---	---	Peak
2	183.260	25.00	-18.50	43.50	39.89	15.01	2.20	32.10	---	---	Peak
3	312.270	24.15	-21.85	46.00	33.87	19.52	2.88	32.12	---	---	Peak
4	646.920	26.62	-19.38	46.00	28.23	26.46	4.14	32.21	---	---	Peak
5	741.010	32.26			32.16	27.94	4.44	32.28	---	---	Peak
6	843.830	29.03	-16.97	46.00	27.51	29.17	4.74	32.39	---	---	Peak
7	945.680	29.92	-16.08	46.00	26.25	30.85	5.02	32.20	---	---	Peak
8	3688.000	40.15	-33.85	74.00	56.13	34.86	10.62	61.46	---	---	Peak
9	5224.000	71.15			97.84	34.99	0.00	61.68	---	---	Peak
10	7720.000	43.71	-30.29	74.00	53.36	36.63	15.54	61.82	---	---	Peak
11	8792.000	43.96	-30.04	74.00	52.23	37.25	16.81	62.33	---	---	Peak
12	9909.000	45.62	-28.38	74.00	26.38	37.50	16.91	35.17	---	---	Peak
13	12843.000	45.59	-28.41	74.00	23.03	38.75	19.38	35.57	---	---	Peak
14	16011.000	47.03	-26.97	74.00	20.51	40.20	21.61	35.29	---	---	Peak



Mode :	Mode 4	Temperature :	21~22°C
Test Engineer :	Yoke Si	Relative Humidity :	51~52%
Test Distance :	3m	Polarization :	Vertical
Remark :	#5 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.		

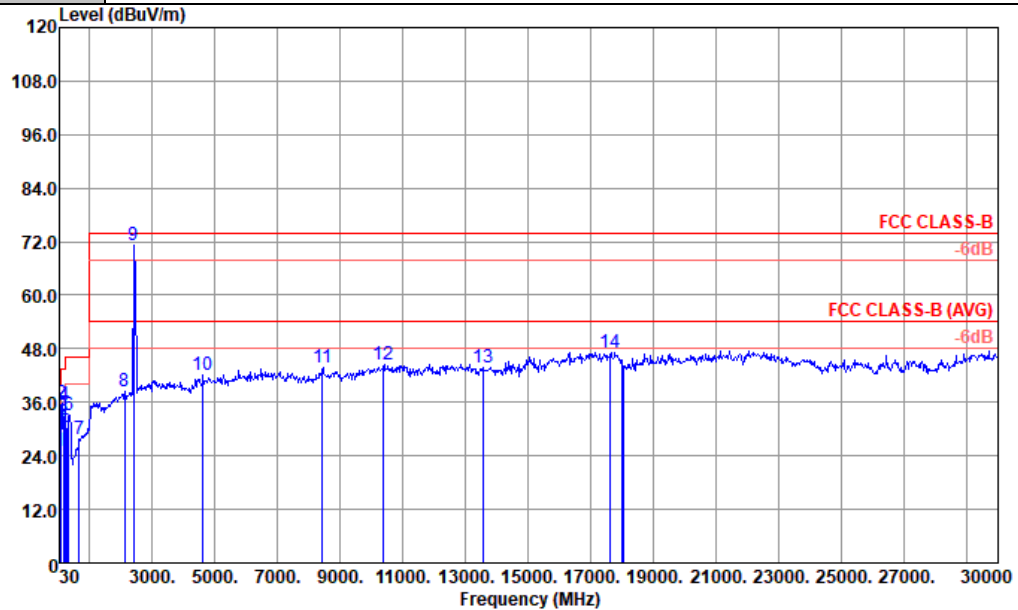


Site : 03CH02-KS
Condition : FCC CLASS-B 3m LF 6111D SN44483 VERTICAL
Project : (FC)101907
Mode : 4

	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	44.550	32.15	-7.85	40.00	46.20	17.35	0.78	32.18	---	---	Peak
2	107.600	26.80	-16.70	43.50	40.48	16.82	1.69	32.19	---	---	Peak
3	176.470	23.42	-20.08	43.50	38.05	15.32	2.15	32.10	---	---	Peak
4	214.300	23.07	-20.43	43.50	37.57	15.24	2.39	32.13	---	---	Peak
5	741.980	32.03			31.90	27.96	4.45	32.28	---	---	Peak
6	839.950	29.45	-16.55	46.00	28.02	29.08	4.73	32.38	---	---	Peak
7	953.440	31.63	-14.37	46.00	27.81	30.97	5.04	32.19	---	---	Peak
8	3248.000	39.01	-34.99	74.00	57.28	33.13	10.01	61.41	---	---	Peak
9	5224.000	74.71			101.40	34.99	0.00	61.68	---	---	Peak
10	6512.000	41.98	-32.02	74.00	53.99	35.36	14.29	61.66	---	---	Peak
11	8768.000	43.33	-30.67	74.00	51.68	37.20	16.78	62.33	---	---	Peak
12	9945.000	45.58	-28.42	74.00	26.33	37.50	16.97	35.22	---	---	Peak
13	13671.000	45.61	-28.39	74.00	22.52	38.47	19.91	35.29	---	---	Peak
14	17235.000	47.54	-26.46	74.00	19.13	40.58	22.92	35.09	---	---	Peak



Mode :	Mode 5	Temperature :	21~22°C
Test Engineer :	Yoke Si	Relative Humidity :	51~52%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#2 is FM signal which can be ignored. #9 is RF signals which come from Bluetooth/WLAN Access Point used to connect the EUT, and which can be ignored.		

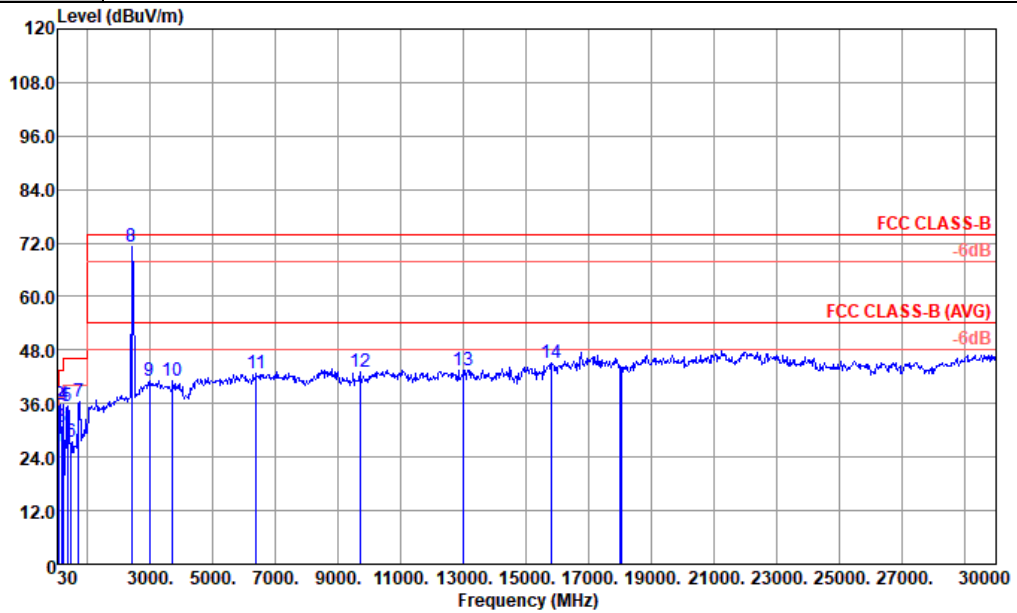


Site : 03CH02-KS
Condition : FCC CLASS-B 3m LF 6111D SN44483 HORIZONTAL
Project : (FC)101907
Mode : 5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	71.710	25.01	-14.99	40.00	43.31	12.70	1.20	32.20	---	Peak
2	88.200	35.65			51.86	14.56	1.45	32.22	---	Peak
3	167.740	32.89	-10.61	43.50	47.03	15.86	2.10	32.10	---	Peak
4	216.240	35.34	-10.66	46.00	49.81	15.26	2.40	32.13	---	Peak
5	263.770	30.55	-15.45	46.00	39.94	20.13	2.65	32.17	---	Peak
6	335.550	33.15	-12.85	46.00	42.27	20.06	2.99	32.17	---	Peak
7	649.830	27.88	-18.12	46.00	29.43	26.50	4.15	32.20	---	Peak
8	2112.000	38.34	-35.66	74.00	60.76	31.60	7.49	61.51	---	Peak
9	2408.000	71.17			93.44	32.18	7.44	61.89	---	Peak
10	4608.000	42.01	-31.99	74.00	58.52	34.50	11.31	62.32	---	Peak
11	8432.000	43.62	-30.38	74.00	54.18	36.07	15.60	62.23	---	Peak
12	10386.000	44.59	-29.41	74.00	51.58	37.61	17.39	61.99	---	Peak
13	13572.000	43.91	-30.09	74.00	46.82	38.88	19.86	61.65	---	Peak
14	17631.000	47.12	-26.88	74.00	43.28	41.65	23.27	61.08	---	Peak



Mode :	Mode 5	Temperature :	21~22°C
Test Engineer :	Yoke Si	Relative Humidity :	51~52%
Test Distance :	3m	Polarization :	Vertical
Remark :	#2 is FM 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.		

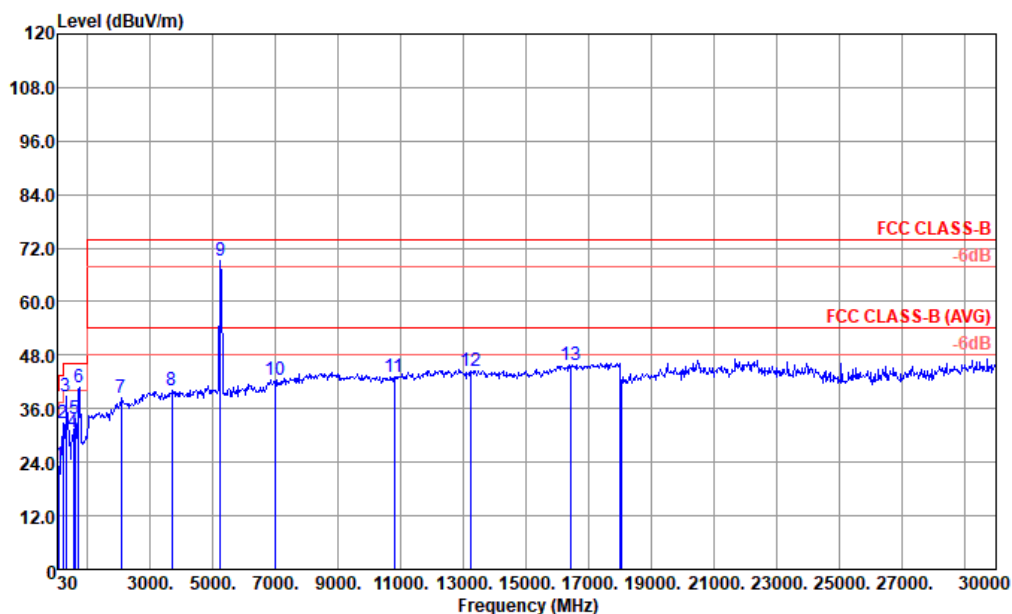


Site : 03CH02-KS
 Condition : FCC CLASS-B 3m LF 6111D SN44483 VERTICAL
 Project : (FC)101907
 Mode : 5

	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	71.710	26.39	-13.61	40.00	44.69	12.70	1.20	32.20	---	---	Peak
2	88.200	35.85			52.06	14.56	1.45	32.22	---	---	Peak
3	167.740	30.89	-12.61	43.50	45.03	15.86	2.10	32.10	---	---	Peak
4	239.520	35.63	-10.37	46.00	47.79	17.50	2.52	32.18	---	---	Peak
5	349.130	35.44	-10.56	46.00	44.12	20.47	3.05	32.20	---	---	Peak
6	480.080	27.45	-18.55	46.00	32.56	23.64	3.57	32.32	---	---	Peak
7	719.670	36.43	-9.57	46.00	37.00	27.29	4.38	32.24	---	---	Peak
8	2408.000	71.22			93.49	32.18	7.44	61.89	---	---	Peak
9	2968.000	41.07	-32.93	74.00	60.83	32.82	8.99	61.57	---	---	Peak
10	3720.000	40.99	-33.01	74.00	59.11	33.17	10.08	61.37	---	---	Peak
11	6376.000	42.86	-31.14	74.00	55.36	35.72	13.43	61.65	---	---	Peak
12	9684.000	43.23	-30.77	74.00	51.73	36.93	16.59	62.02	---	---	Peak
13	12987.000	43.60	-30.40	74.00	46.37	39.30	19.49	61.56	---	---	Peak
14	15804.000	45.01	-28.99	74.00	45.25	40.66	21.47	62.37	---	---	Peak



Mode :	Mode 6	Temperature :	21~22°C
Test Engineer :	Yoke Si	Relative Humidity :	51~52%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#9 is RF signals which come from WLAN Access Point used to connect the EUT, and which can be ignored.		

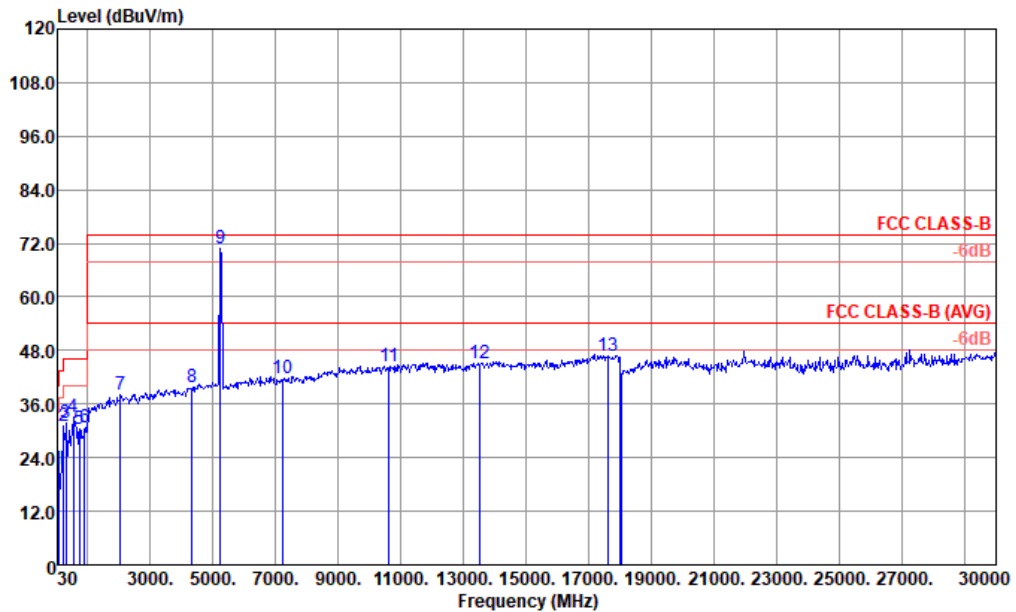


Site : 03CH02-KS
Condition : FCC CLASS-B 3m LF 6111D SN44483 HORIZONTAL
Project : (FC)101907
Mode : 1

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	cm	deg
			dB	dBuV/m	dBuV	dB/m	dB	dB		
1	88.200	23.56	-19.94	43.50	39.88	14.56	1.34	32.22	---	Peak
2	216.240	32.73	-13.27	46.00	47.51	15.26	2.09	32.13	---	Peak
3	307.420	38.82	-7.18	46.00	48.87	19.48	2.58	32.11	---	Peak
4	531.490	30.69	-15.31	46.00	34.98	24.88	3.17	32.34	---	Peak
5	599.390	33.91	-12.09	46.00	36.79	25.79	3.63	32.30	---	Peak
6	719.670	40.85	-5.15	46.00	41.80	27.29	4.00	32.24	100	Peak
7	2064.000	38.35	-35.65	74.00	62.50	30.47	6.83	61.45	---	Peak
8	3688.000	40.15	-33.85	74.00	57.47	34.86	9.28	61.46	---	Peak
9	5224.000	69.15			84.63	34.99	11.21	61.68	---	Peak
10	7000.000	42.40	-31.60	74.00	54.99	36.20	13.11	61.90	---	Peak
11	10782.000	43.18	-30.82	74.00	50.58	38.07	16.46	61.93	---	Peak
12	13221.000	44.52	-29.48	74.00	49.23	38.55	18.35	61.61	---	Peak
13	16425.000	45.88	-28.12	74.00	47.10	40.24	20.63	62.09	---	Peak



Mode :	Mode 6	Temperature :	21~22°C
Test Engineer :	Yoke Si	Relative Humidity :	51~52%
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 : 03CH02-KS
Condition : FCC CLASS-B 3m LF 6111D SN44483 VERTICAL
Project : (FC)101907
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	62.010	21.48	-18.52	40.00	40.46	12.02	1.10	32.10	---	Peak
2	236.610	31.04	-14.96	46.00	43.95	17.17	2.09	32.17	---	Peak
3	310.330	31.79	-14.21	46.00	41.82	19.50	2.59	32.12	---	Peak
4	531.490	33.08	-12.92	46.00	37.37	24.88	3.17	32.34	---	Peak
5	743.920	30.31	-15.69	46.00	30.53	28.02	4.05	32.29	---	Peak
6	898.150	30.63	-15.37	46.00	29.25	29.11	4.48	32.21	---	Peak
7	2040.000	38.04	-35.96	74.00	62.38	30.28	6.78	61.40	---	Peak
8	4320.000	39.84	-34.16	74.00	57.17	34.90	10.11	62.34	---	Peak
9	5232.000	70.77			86.20	35.01	11.24	61.68	---	Peak
10	7224.000	41.92	-32.08	74.00	53.96	36.33	13.51	61.88	---	Peak
11	10629.000	44.57	-29.43	74.00	52.20	37.96	16.36	61.95	---	Peak
12	13536.000	45.12	-28.88	74.00	49.75	38.41	18.62	61.66	---	Peak
13	17595.000	46.79	-27.21	74.00	45.67	41.01	21.22	61.11	---	Peak

—THE END—