



FCC Test Report

Report No.: AAOG-ESH-P24120353B-1

FCC ID: 2ABEU-YLHDJ0001

Product: Smart Outdoor Lights

Test Model: YLHDJ-0001, YLHDJ-0002, YLHDJ-0003, YLHDJ-0004, YLHDJ-0005,
YLHDJ-0006, YLHDJ-0007

Received Date: Dec.09, 2024

Test Date: Dec.09, 2024 to Jan.05, 2025

Issued Date: Jan.08, 2025

Applicant: Qingdao Yeelink Information Technology Co., Ltd.

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Weiyi Road, Laoshan District, Qingdao City, Shandong Province, P. R.
China

Manufacturer: Qingdao Yeelink Information Technology Co., Ltd.

Address: 10F-B4, Building B, Qingdao International Innovation Park, No.1 Keyuan
Weiyi Road, Laoshan District, Qingdao City, Shandong Province, P. R.
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Issued By: BUREAU VERITAS ADT (Shanghai) Corporation

Lab Address: No. 829, Xinzhuan Road, Shanghai, P.R.China (201612)

FCC Registration / 176467/ CN1213
Designation Number:



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Release Control Record

Issue No.	Description	Date Issued
AAOG-ESH-P24120353B-1	Original release	Jan.08, 2025



1 Certificate of Conformity

Product: Smart Outdoor Lights

Brand: YEELIGHT

Test Model: YLHDJ-0001, YLHDJ-0002, YLHDJ-0003, YLHDJ-0004, YLHDJ-0005,
YLHDJ-0006, YLHDJ-0007

Applicant: Qingdao Yeelink Information Technology Co., Ltd.

Test Date: Dec.09, 2024 to Jan.05, 2025

Standards: 47 CFR FCC Part 15, Subpart C (Section 15.247)
ANSI C63.10:2020

The above equipment has been tested by **BUREAU VERITAS ADT (Shanghai) Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :

Yan Zhou

, Date:

Jan.08, 2025

Yan ZHOU

Project Engineer

Approved by :



, Date:

Jan.08, 2025

Sean YU

RF Supervisor

2 Summary of Test Results

The EUT has been tested according to the following specifications:

47 CFR FCC Part 15, Subpart C (SECTION 15.247)			
FCC Clause	Test Item	Result	Remarks
15.203	Antenna Requirement	PASS	No antenna connector is used.
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit.
15.247(a)(2)	Minimum 6dB Bandwidth	PASS	Meet the requirement of limit.
15.247(b)	Conducted Output Power	PASS	Meet the requirement of limit.
15.247(e)	Power Spectral Density	PASS	Meet the requirement of limit.
15.247(d)	Conducted Band Edges Measurement	PASS	Meet the requirement of limit.
15.247(d)	Conducted Spurious Emissions	PASS	Meet the requirement of limit.
15.247(d)	Emissions in restricted frequency bands	PASS	Meet the requirement of limit.
15.205 / 15.209 / 15.247(d)	Radiated Emissions Measurement	PASS	Meet the requirement of limit.

2.1 Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Loop Antenna	ETS-LINDGREN	6502	E1A1039	Jul.30,24	Jul.29,26
Hybrid Antenna(25MHz-1.5GHz)	Schwarzbeck	VULB9168	E1A1001	Mar.28,24	Mar.27,26
Horn Antenna(1GHz -18GHz)	Schwarzbeck	BBHA9120D	E1A1017	Jul.31,24	Jul.30,26
Double Ridge Horn Antenna(18G-40G)	COM-POWER	AH-840	E1A1040	Jul.31,24	Jul.30,26
Pre-Amplifier(100kHz-1.3GHz)	Agilent	8447D	E1A2001	Feb.18,24	Feb.17,25
Pre-Amplifier(0.5GHz-18GHz)	EMCI	EMC184045SE	E1A2009	Jul.02,24	Jul.01,25
Pre-Amplifier(18GHz-40GHz)	EMCI	EMC051845SE	E1A2008	Aug.15,24	Aug.14,25
EMI test receiver	R&S	ESR26	E1R1009	Sep.03,24	Sep.02,25
Spectrum Analyzer	Keysight	N9030B	E1S1003	Aug.28,24	Aug.27,25
Spectrum Analyzer	Keysight	N9020A	E1S1004	Feb.19,24	Feb.18,25
EMI test receiver	R&S	ESR3	E1R1008	May.31,24	May.30,25
LISN	R&S	ENV216	E1L1013	Aug.12, 24	Aug.11, 25
Humidity&Temp Tester	ESPEC	SE TH-Z-042U	C1TH002	Jun.04,24	Jun.03,25
RF Control Unit	Toscend	JS0806-2	E1C5003	N/A	N/A
Test Software	Toscend	JS32-CE	N/A	N/A	N/A
Test Software	Toscend	JS32-RE	N/A	N/A	N/A
Test Software	Toscend	JS1120	N/A	N/A	N/A
Test Software	Toscend	JS1120-3	N/A	N/A	N/A

2.2 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Measurement	Frequency	Expanded Uncertainty ($k=2$) (\pm)
Conducted Emissions at mains ports	150kHz ~ 30MHz	1.83 dB
Radiated Emissions up to 1 GHz	30MHz ~ 1GHz	5.36 dB
Radiated Emissions above 1 GHz	1GHz ~ 6GHz	3.47 dB
	6GHz ~ 18GHz	3.75 dB
	18GHz ~ 40GHz	3.30 dB

2.3 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Smart Outdoor Lights
Brand	YEELIGHT
Test Model	YLHDJ-0001, YLHDJ-0002, YLHDJ-0003, YLHDJ-0004, YLHDJ-0005, YLHDJ-0006, YLHDJ-0007
Model Difference	Light and length are different.
Power Rating	YLHDJ-0001: DC 24V 1A, Powered by adaptor YLHDJ-0002: DC 24V 2A, Powered by adaptor YLHDJ-0003: DC 24V 0.5A, Powered by adaptor YLHDJ-0004: DC 24V 0.5A, Powered by adaptor YLHDJ-0005: DC 24V 1A, Powered by adaptor YLHDJ-0006: DC 24V 1.5A, Powered by adaptor YLHDJ-0007: DC 24V 2A, Powered by adaptor
Modulation Type	GFSK
Modulation Technology	Bluetooth Low Energy 5.0
Operating Frequency	2402MHz ~ 2480MHz
Number of Channel	40
Antenna Type	PCB Antenna
Antenna Connector	--
Antenna Gain	1.96dBi

Note:

1. For more details, please refer to the User's manual of the EUT.

3.2 Description of Support Unit

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.
Adaptor for YLHDJ-0001, YLHDJ-0005	Dong Guan Royal Intelligent Co., Ltd	BI24G-240100-AdU(IP44)	NA
Adaptor for YLHDJ-0002, YLHDJ-0007	Dong Guan Royal Intelligent Co., Ltd	BI48G-240200-AdU(IP44)	NA
Adaptor for YLHDJ-0003, YLHDJ-0004	Dong Guan Royal Intelligent Co., Ltd	BI12G-240050-AdU(IP44)	NA
Adaptor for YLHDJ-0006	Dong Guan Royal Intelligent Co., Ltd	BI36G-240150-AdU(IP44)	NA

3.3 Model list

Product description	Model no.	Length	Controller	Adaptor
Smart Outdoor Ground Lights	YLHDJ-0001	10m	<p>R666, R67, R68 and R69 which is the same resistance value are in parallel.</p> <p>YLHDJ-0001 is with R67, R69.</p> <p>YLHDJ-0002 is with R67, R68.</p> <p>YLHDJ-0003 is with R67, R69.</p> <p>YLHDJ-0004 is with R67, R69.</p> <p>YLHDJ-0005 is with R67, R68.</p> <p>YLHDJ-0006 is with R66, R69.</p> <p>YLHDJ-0007 is with R66, R68.</p>	<p>BI24G-240100-AdU(IP44)</p> <p>100-240V~, 50/60Hz</p> <p>24V=1A</p>
	YLHDJ-0002	15m		<p>BI48G-240200-AdU(IP44)</p> <p>100-240V~, 50/60Hz</p> <p>24V=2A</p>
Smart Outdoor Pathway Lights	YLHDJ-0003	15m		<p>BI12G-240050-AdU(IP44)</p> <p>100-240V~, 50/60Hz</p> <p>24V=0.5A</p>
Smart Outdoor String Lights	YLHDJ-0004	15m		<p>BI12G-240050-AdU(IP44)</p> <p>100-240V~, 50/60Hz</p> <p>24V=0.5A</p>
	YLHDJ-0005	30m		<p>BI24G-240100-AdU(IP44)</p> <p>100-240V~, 50/60Hz</p> <p>24V=1A</p>
	YLHDJ-0006	45m		<p>BI36G-240150-AdU(IP44)</p> <p>100-240V~, 50/60Hz</p> <p>24V=1.5A</p>
	YLHDJ-0007	60m		<p>BI48G-240200-AdU(IP44)</p> <p>100-240V~, 50/60Hz</p> <p>24V=2A</p>

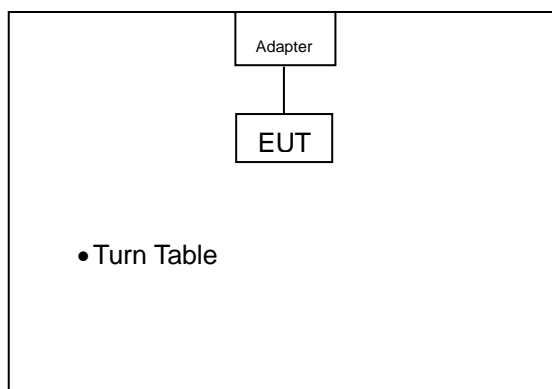
3.4 Description of Test Modes

40 channels are provided for Bluetooth LE.

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
0	2402 MHz	20	2442 MHz
1	2404 MHz	21	2444 MHz
2	2406 MHz	22	2446 MHz
3	2408 MHz	23	2448 MHz
4	2410 MHz	24	2450 MHz
5	2412 MHz	25	2452 MHz
6	2414 MHz	26	2454 MHz
7	2416 MHz	27	2456 MHz
8	2418 MHz	28	2458 MHz
9	2420 MHz	29	2460 MHz
10	2422 MHz	30	2462 MHz
11	2424 MHz	31	2464 MHz
12	2426 MHz	32	2466 MHz
13	2428 MHz	33	2468 MHz
14	2430 MHz	34	2470 MHz
15	2432 MHz	35	2472 MHz
16	2434 MHz	36	2474 MHz
17	2436 MHz	37	2476 MHz
18	2438 MHz	38	2478 MHz
19	2440 MHz	39	2480 MHz

3.5 DESCRIPTION OF SYSTEM UNDER TEST

RADIATED TEST CONFIGURATION



3.5.1 Test Mode Applicability:

EUT Configure Mode	Applicable to				Description
	RE ≥ 1G	RE < 1G	PLC	APCM	
-	√	√	√	√	-

Where **RE≥1G**: Radiated Emission above 1GHz **RE< 1G**: Radiated Emission below 1GHz
PLC: Power Line Conducted Emission **APCM**: Antenna Port Conducted Measurement

Radiated Emission Test (Above 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
-	BLE	0 to 39	0, 19, 39	GFSK

Radiated Emission Test (Below 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
-	BLE	0 to 39	0	GFSK

Power Line Conducted Emission Test:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
-	BLE	0 to 39	0	GFSK

Antenna Port Conducted Measurement

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
-	BLE	0 to 39	0, 19, 39	GFSK

3.5.2 Test Condition:

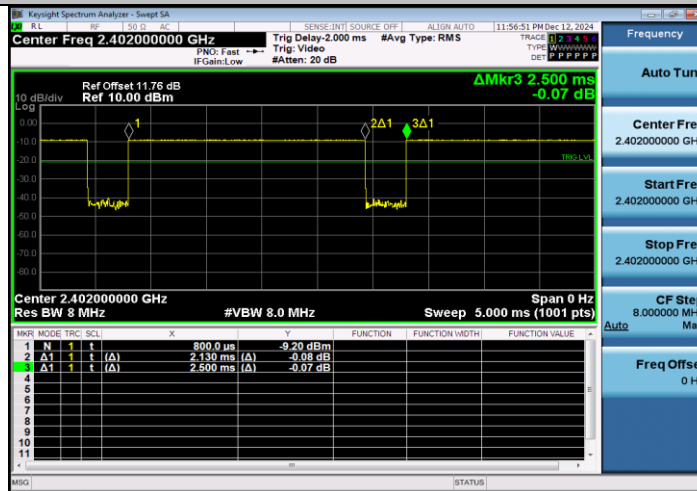
Applicable to	Normal Environmental Conditions	Normal Input Power
RE ≥ 1G	25deg. C, 60%RH	DC 3.3V
RE < 1G	25deg. C, 60%RH	DC 3.3V
PLC	25deg. C, 60%RH	DC 24V, Powered by adaptor
APCM	25deg. C, 60%RH	DC 3.3V

3.6 Duty Cycle of Test Signal

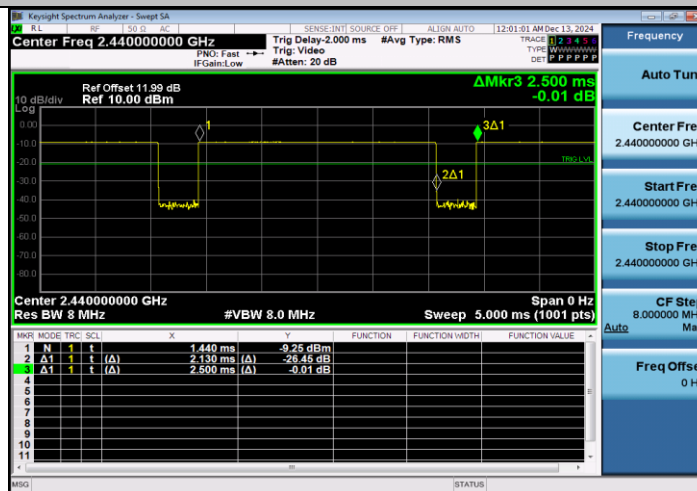
Test Mode	Antenna	Channel [MHz]	Duty Cycle [%]	10log(1/x) Factor[dB]
BLE_1M	Ant1	2402	85.20	0.70
		2440	85.20	0.70
		2480	84.80	0.72
BLE_2M	Ant1	2402	99.07	0.04
		2440	99.07	0.04
		2480	43.20	3.65

Note: Duty Cycle Factor=10* Log[1/Duty Cycle(%)*100], Duty Cycle= $T_{on}/T_{period} * 100\%$

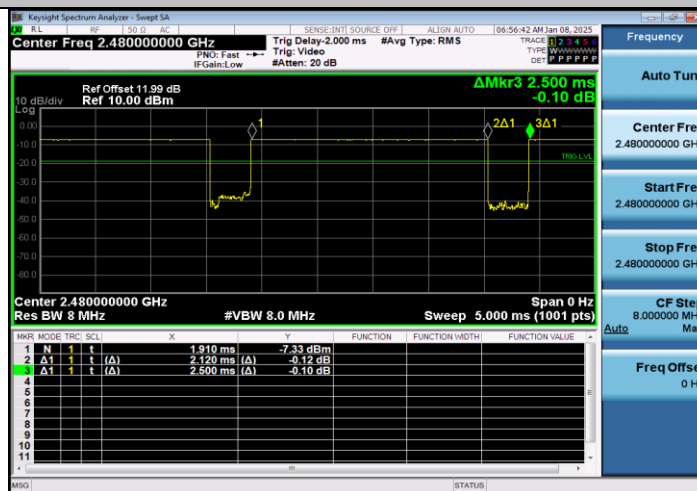
BLE_1M_Ant1_2402



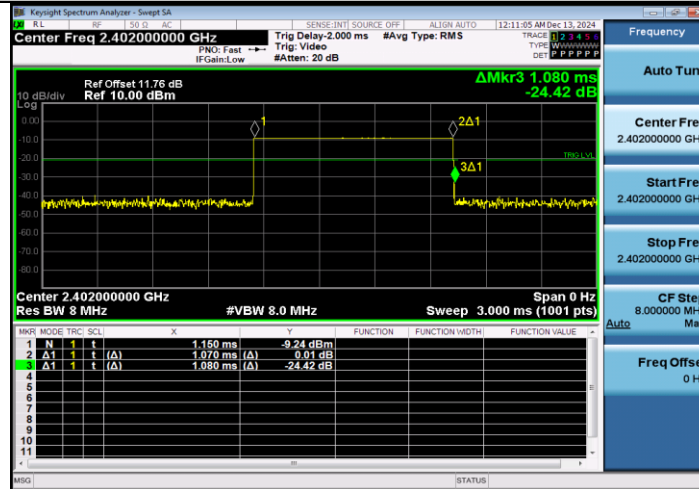
BLE_1M_Ant1_2440



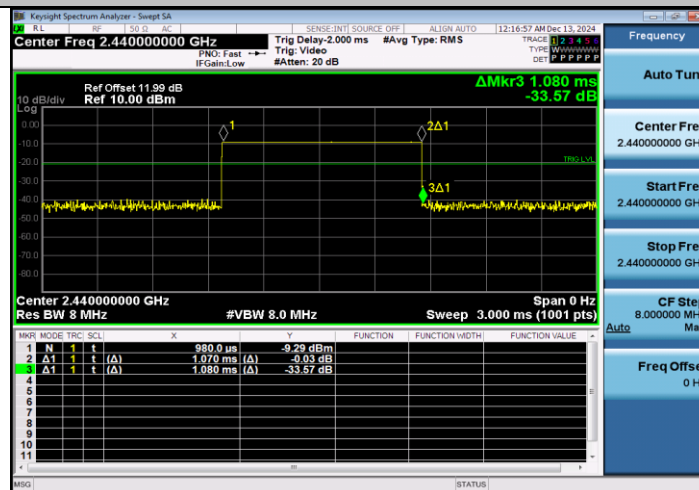
BLE_1M_Ant1_2480



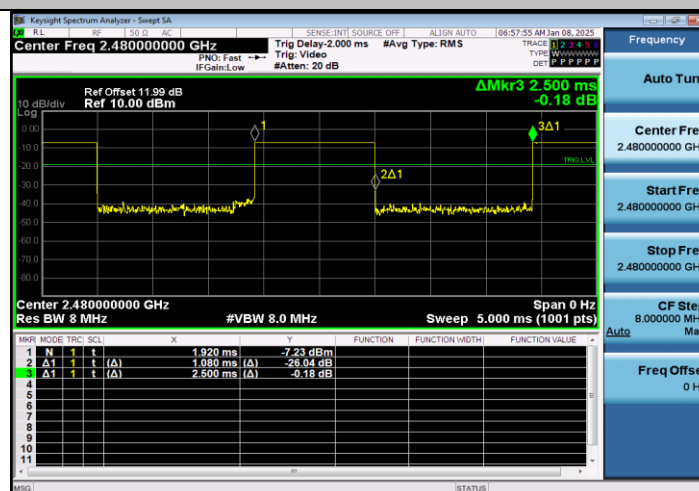
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



3.7 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standard:

FCC Part 15, Subpart C (15.247)

KDB 558074 D01 DTS Meas Guidance v05r02

ANSI C63.10:2020

All relaxed test items have been performed and recorded as per the above standard.

4 Test Procedure and Results

4.1 AC Power Conducted Emission

4.1.1 Limits

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.1.2 Test Procedures

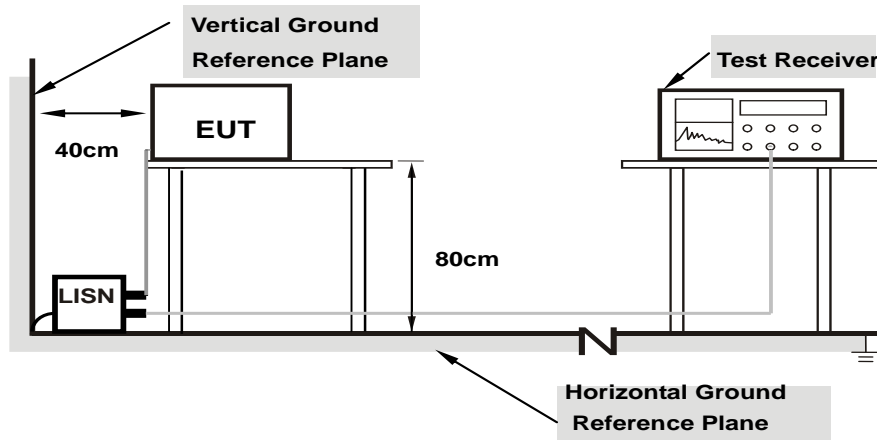
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

4.1.3 Deviation from Test Standard

No deviation.

4.1.4 Test Setup



For the actual test configuration, please refer to the attached file (Test Setup Photo).

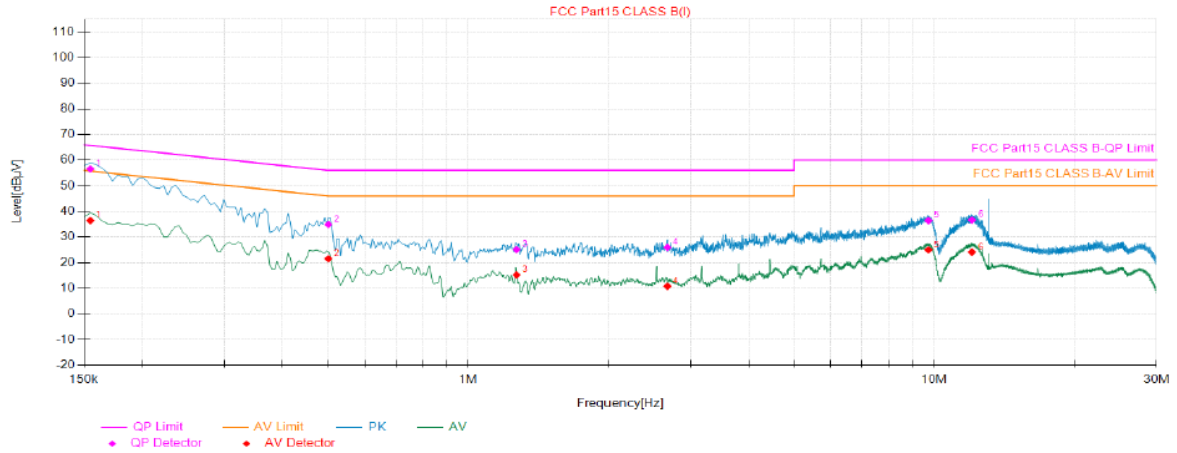
4.1.5 EUT Operating Conditions

Same as 4.1.6.

4.1.6 Test Results

YLHDI-0001 with Adaptor BI24G-240100-AdU(IP44)

Phase: L Voltage: 120V 60Hz



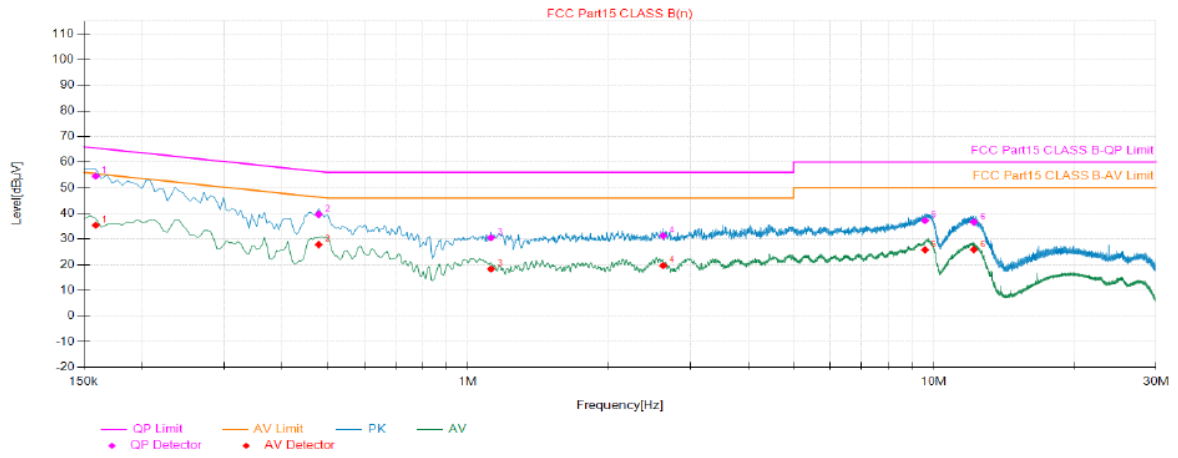
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.15	9.71	46.87	56.58	65.75	9.17	26.69	36.40	55.75	19.35
2	0.50	9.51	25.36	34.87	56.00	21.13	12.01	21.52	46.00	24.48
3	1.27	9.46	15.63	25.09	56.00	30.91	5.75	15.21	46.00	30.79
4	2.67	9.63	16.28	25.91	56.00	30.09	1.14	10.77	46.00	35.23
5	9.71	9.98	26.41	36.39	60.00	23.61	14.99	24.97	50.00	25.03
6	12.05	10.05	26.57	36.62	60.00	23.38	14.03	24.08	50.00	25.92

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: N Voltage: 120V 60Hz



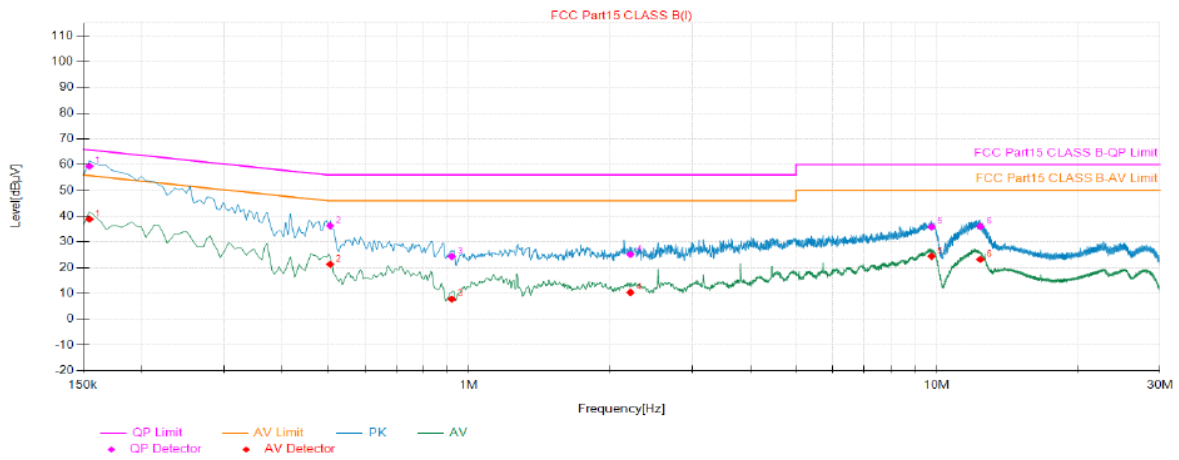
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.16	9.66	44.88	54.54	65.52	10.98	25.74	35.40	55.52	20.12
2	0.48	9.48	30.12	39.60	56.37	16.77	18.36	27.84	46.37	18.53
3	1.12	9.44	21.10	30.54	56.00	25.46	8.87	18.31	46.00	27.69
4	2.63	9.67	21.63	31.30	56.00	24.70	9.95	19.62	46.00	26.38
5	9.57	10.02	27.19	37.21	60.00	22.79	15.73	25.75	50.00	24.25
6	12.19	10.09	26.52	36.61	60.00	23.39	15.74	25.83	50.00	24.17

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: L Voltage: 230V 50Hz



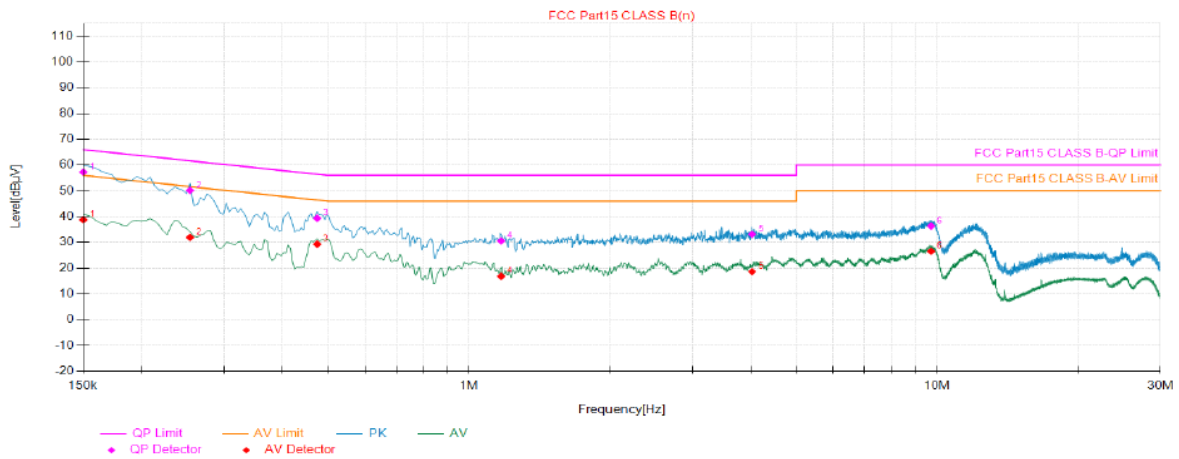
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.15	9.71	49.67	59.38	65.75	6.37	29.13	38.84	55.75	16.91
2	0.51	9.51	26.74	36.25	56.00	19.75	11.76	21.27	46.00	24.73
3	0.92	9.39	14.92	24.31	56.00	31.69	-1.61	7.78	46.00	38.22
4	2.22	9.60	15.54	25.14	56.00	30.86	0.76	10.36	46.00	35.64
5	9.74	9.98	25.83	35.81	60.00	24.19	14.39	24.37	50.00	25.63
6	12.39	10.04	25.95	35.99	60.00	24.01	13.13	23.17	50.00	26.83

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: N Voltage: 230V 50Hz



Final Data List

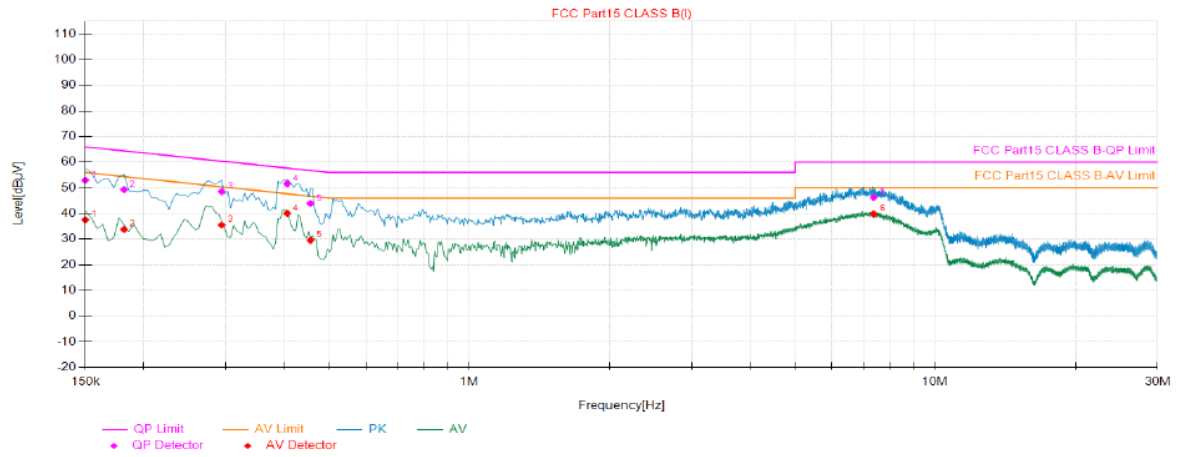
NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.15	9.66	47.60	57.26	66.00	8.74	29.07	38.73	56.00	17.27
2	0.25	9.60	40.57	50.17	61.64	11.47	22.34	31.94	51.64	19.70
3	0.47	9.48	29.89	39.37	56.44	17.07	19.84	29.32	46.44	17.12
4	1.17	9.45	21.13	30.58	56.00	25.42	7.39	16.84	46.00	29.16
5	4.02	9.65	23.49	33.14	56.00	22.86	8.99	18.64	46.00	27.36
6	9.70	10.04	26.28	36.32	60.00	23.68	16.47	26.51	50.00	23.49

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

YLHDJ-0002 with Adaptor BI48G-240200-AdU(IP44)

Phase: L Voltage: 120V 60Hz



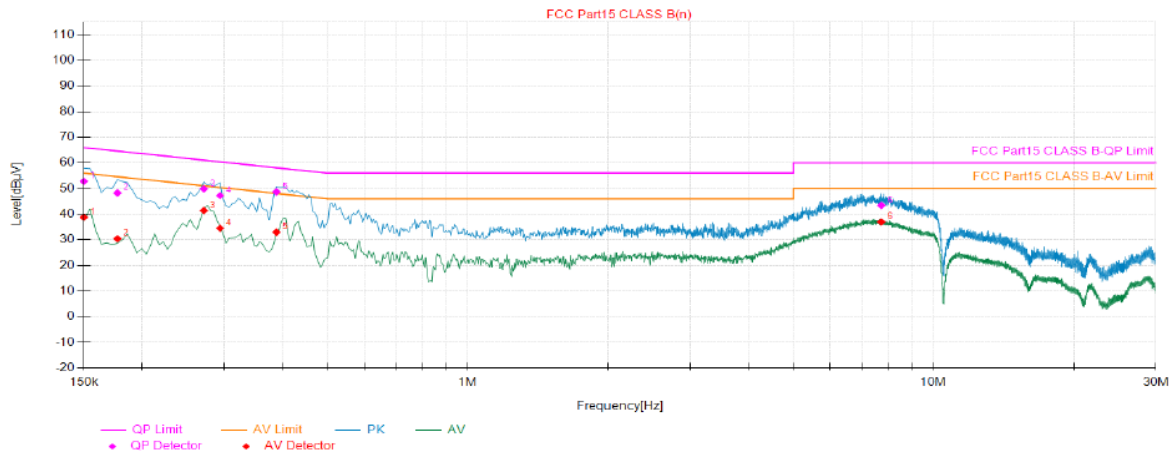
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.15	9.71	43.29	53.00	66.00	13.00	27.83	37.54	56.00	18.46
2	0.18	9.69	39.64	49.33	64.42	15.09	24.10	33.79	54.42	20.63
3	0.29	9.45	39.09	48.54	60.41	11.87	26.07	35.52	50.41	14.89
4	0.41	9.48	42.14	51.62	57.72	6.10	30.53	40.01	47.72	7.71
5	0.46	9.49	34.41	43.90	56.77	12.87	20.08	29.57	46.77	17.20
6	7.38	9.73	36.55	46.28	60.00	13.72	30.07	39.80	50.00	10.20

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: N Voltage: 120V 60Hz



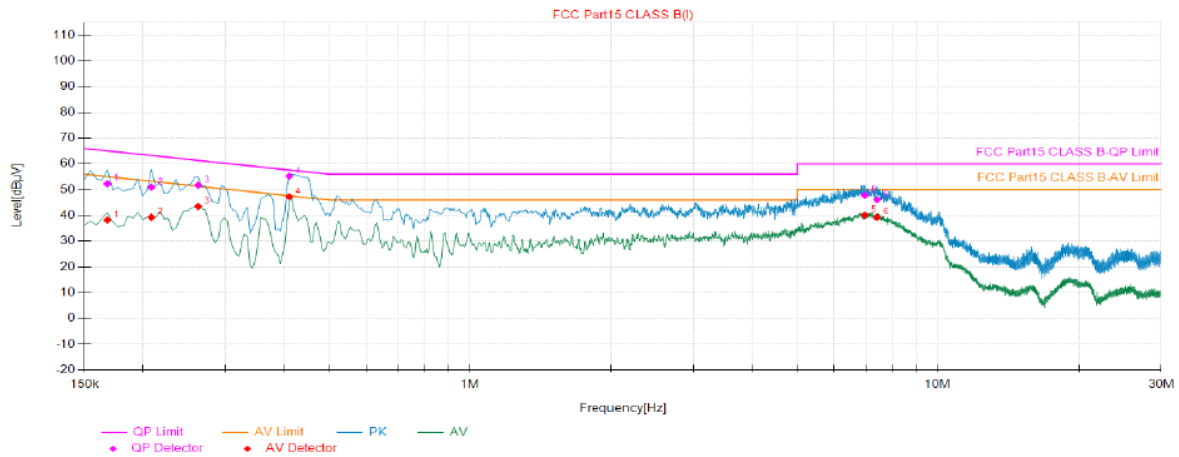
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.15	9.66	43.15	52.81	66.00	13.19	29.11	38.77	56.00	17.23
2	0.18	9.67	38.61	48.28	64.63	16.35	20.75	30.42	54.63	24.21
3	0.27	9.57	40.30	49.87	61.07	11.20	31.81	41.38	51.07	9.69
4	0.29	9.54	37.70	47.24	60.41	13.17	24.97	34.51	50.41	15.90
5	0.39	9.50	39.21	48.71	58.10	9.39	23.44	32.94	48.10	15.16
6	7.72	9.75	33.63	43.38	60.00	16.62	27.20	36.95	50.00	13.05

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: L Voltage: 230V 50Hz



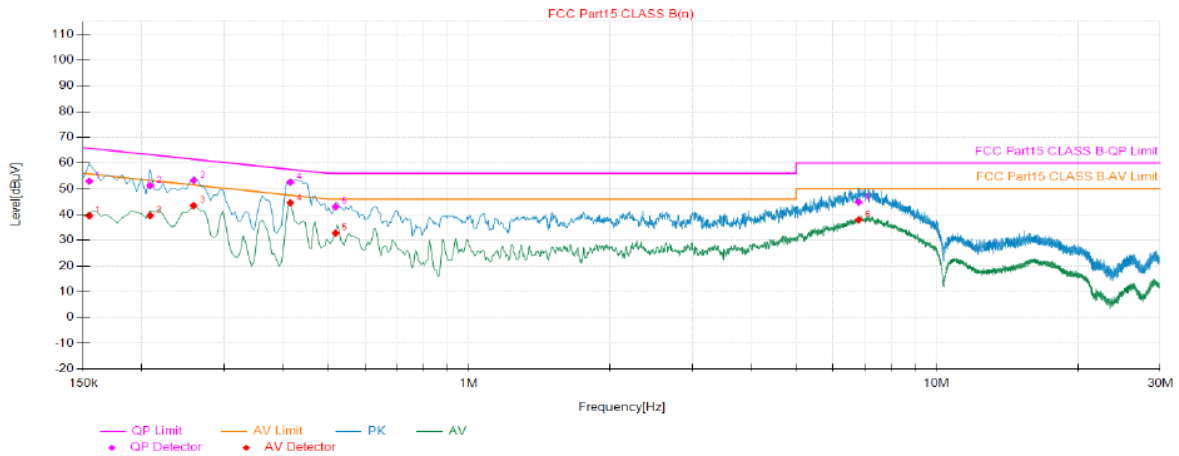
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.17	9.70	42.58	52.28	65.06	12.78	28.46	38.16	55.06	16.90
2	0.21	9.66	41.33	50.99	63.26	12.27	29.61	39.27	53.26	13.99
3	0.26	9.53	42.24	51.77	61.35	9.58	33.91	43.44	51.35	7.91
4	0.41	9.48	45.76	55.24	57.63	2.39	37.77	47.25	47.63	0.38
5	6.98	9.75	38.09	47.84	60.00	12.16	30.29	40.04	50.00	9.96
6	7.41	9.73	36.42	46.15	60.00	13.85	29.56	39.29	50.00	10.71

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: N Voltage: 230V 50Hz



Final Data List

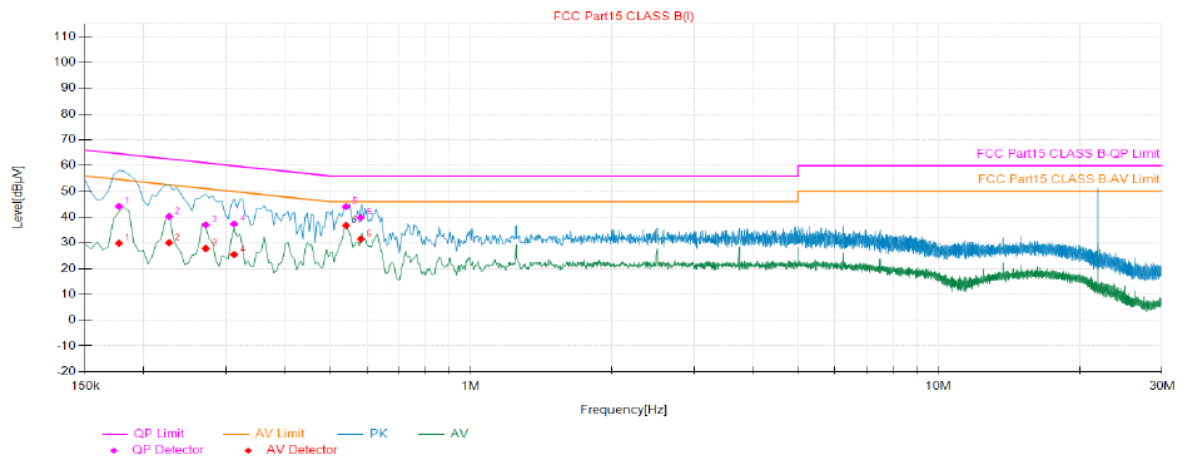
NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.15	9.66	43.34	53.00	65.75	12.75	29.89	39.55	55.75	16.20
2	0.21	9.67	41.58	51.25	63.26	12.01	29.91	39.58	53.26	13.68
3	0.26	9.59	43.66	53.25	61.50	8.25	33.86	43.45	51.50	8.05
4	0.42	9.50	43.04	52.54	57.54	5.00	35.03	44.53	47.54	3.01
5	0.52	9.47	33.49	42.96	56.00	13.04	23.30	32.77	46.00	13.23
6	6.81	9.67	35.14	44.81	60.00	15.19	28.24	37.91	50.00	12.09

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

YLHDJ-0003 with Adaptor BI12G-240050-AdU(IP44)

Phase: L Voltage: 120V 60Hz



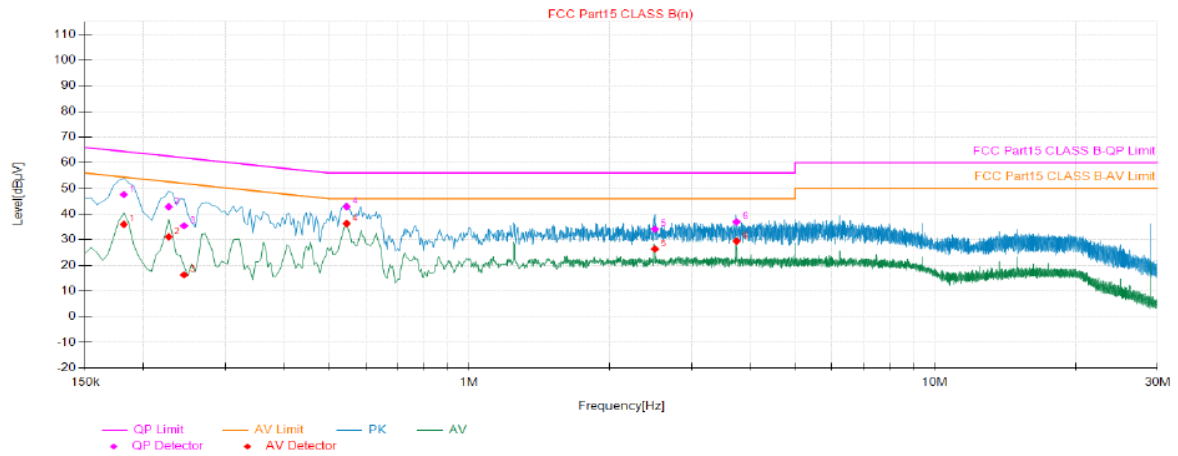
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.18	9.69	34.49	44.18	64.63	20.45	20.17	29.86	54.63	24.77
2	0.23	9.62	30.59	40.21	62.58	22.37	20.44	30.06	52.58	22.52
3	0.27	9.51	27.45	36.96	61.07	24.11	18.34	27.85	51.07	23.22
4	0.31	9.44	27.90	37.34	59.92	22.58	16.06	25.50	49.92	24.42
5	0.54	9.50	34.55	44.05	56.00	11.95	27.25	36.75	46.00	9.25
6	0.58	9.49	30.33	39.82	56.00	16.18	21.99	31.48	46.00	14.52

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: N Voltage: 120V 60Hz



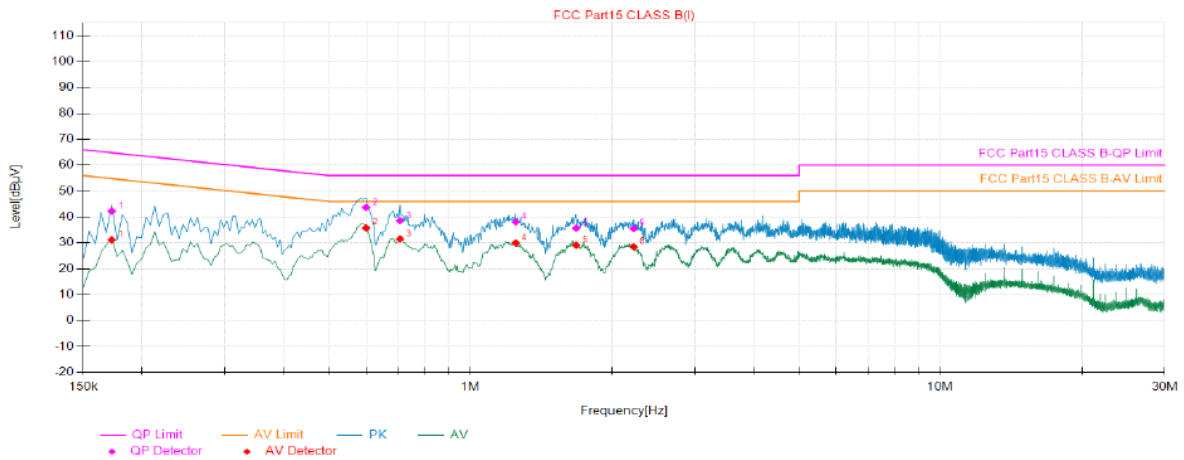
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.18	9.67	37.95	47.62	64.42	16.80	26.32	35.99	54.42	18.43
2	0.23	9.64	33.18	42.82	62.58	19.76	21.48	31.12	52.58	21.46
3	0.24	9.61	25.81	35.42	61.94	26.52	6.67	16.28	51.94	35.66
4	0.55	9.46	33.43	42.89	56.00	13.11	26.83	36.29	46.00	9.71
5	2.50	9.66	24.49	34.15	56.00	21.85	16.67	26.33	46.00	19.67
6	3.75	9.67	27.26	36.93	56.00	19.07	19.76	29.43	46.00	16.57

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: L Voltage: 230V 50Hz



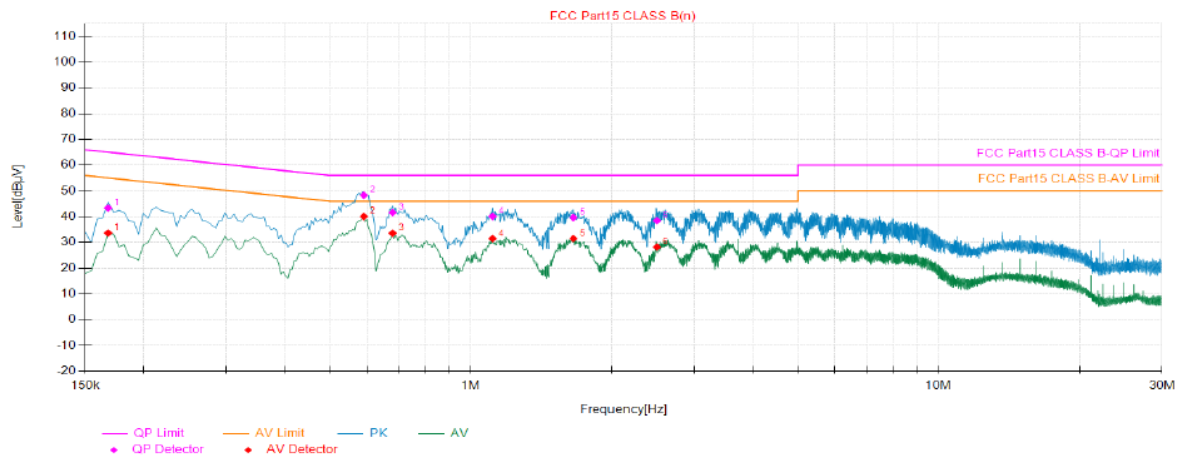
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.17	9.70	32.55	42.25	64.84	22.59	21.46	31.16	54.84	23.68
2	0.60	9.49	34.17	43.66	56.00	12.34	26.28	35.77	46.00	10.23
3	0.71	9.46	29.08	38.54	56.00	17.46	22.05	31.51	46.00	14.49
4	1.25	9.45	28.65	38.10	56.00	17.90	20.51	29.96	46.00	16.04
5	1.68	9.53	26.14	35.67	56.00	20.33	19.58	29.11	46.00	16.89
6	2.22	9.60	25.89	35.49	56.00	20.51	18.87	28.47	46.00	17.53

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: N Voltage: 230V 50Hz



Final Data List

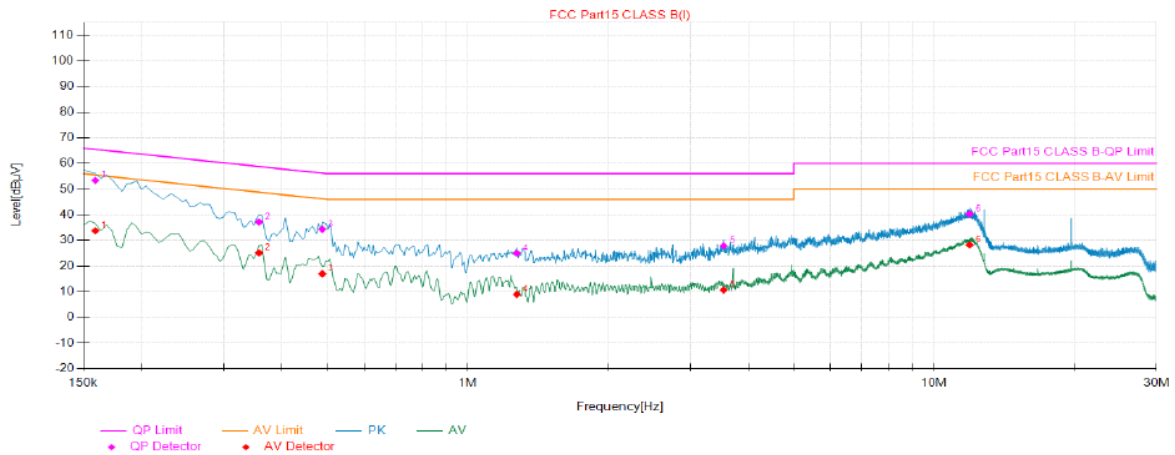
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1	0.17	9.67	33.68	43.35	65.06	21.71	23.97	33.64	55.06	21.42
2	0.59	9.45	38.88	48.33	56.00	7.67	30.59	40.04	46.00	5.96
3	0.68	9.43	32.14	41.57	56.00	14.43	24.13	33.56	46.00	12.44
4	1.11	9.44	30.64	40.08	56.00	15.92	22.04	31.48	46.00	14.52
5	1.66	9.54	30.10	39.64	56.00	16.36	21.94	31.48	46.00	14.52
6	2.50	9.65	28.76	38.41	56.00	17.59	18.54	28.19	46.00	17.81

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

YLHDJ-0004 with Adaptor BI12G-240050-AdU(IP44)

Phase: L Voltage: 120V 60Hz



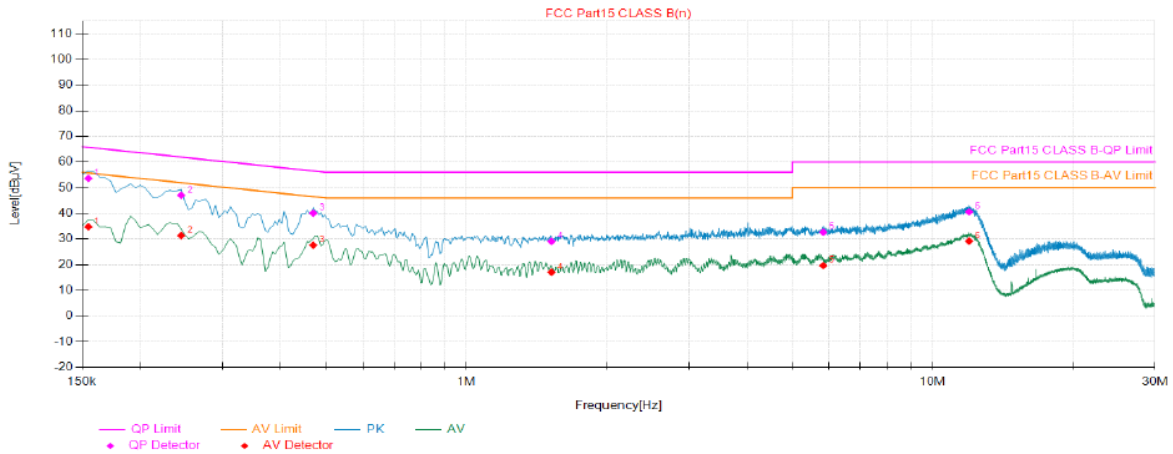
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.16	9.70	43.70	53.40	65.52	12.12	24.06	33.76	55.52	21.76
2	0.36	9.46	27.70	37.16	58.80	21.64	15.65	25.11	48.80	23.69
3	0.49	9.51	24.83	34.34	56.21	21.87	7.43	16.94	46.21	29.27
4	1.28	9.46	15.52	24.98	56.00	31.02	-0.54	8.92	46.00	37.08
5	3.54	9.64	18.25	27.89	56.00	28.11	0.99	10.63	46.00	35.37
6	11.93	10.05	30.21	40.26	60.00	19.74	18.17	28.22	50.00	21.78

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: N Voltage: 120V 60Hz



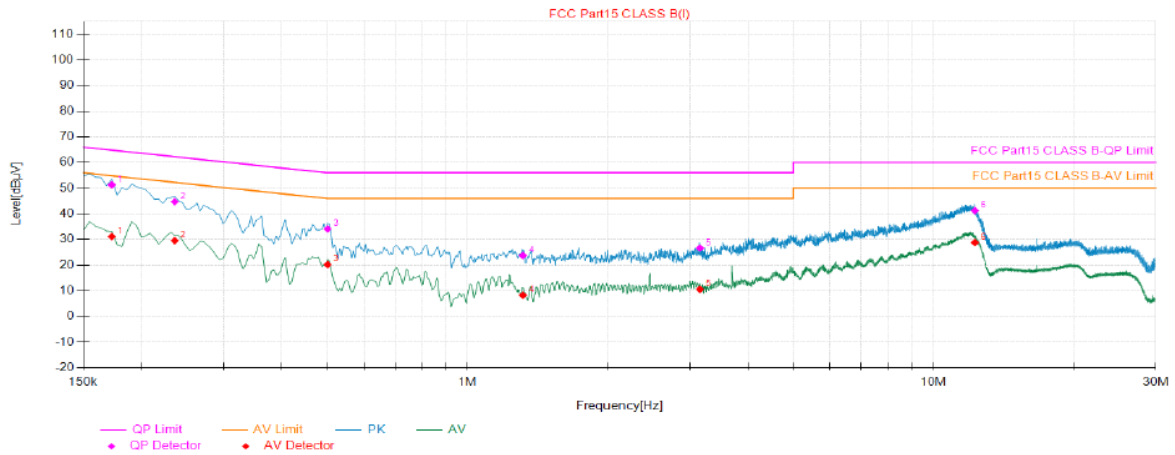
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.15	9.66	43.96	53.62	65.75	12.13	25.10	34.76	55.75	20.99
2	0.24	9.61	37.45	47.06	61.94	14.88	21.72	31.33	51.94	20.61
3	0.47	9.48	30.57	40.05	56.52	16.47	18.13	27.61	46.52	18.91
4	1.52	9.52	19.59	29.11	56.00	26.89	7.54	17.06	46.00	28.94
5	5.82	9.61	23.06	32.67	60.00	27.33	10.01	19.62	50.00	30.38
6	11.98	10.10	30.49	40.59	60.00	19.41	19.10	29.20	50.00	20.80

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: L Voltage: 230V 50Hz



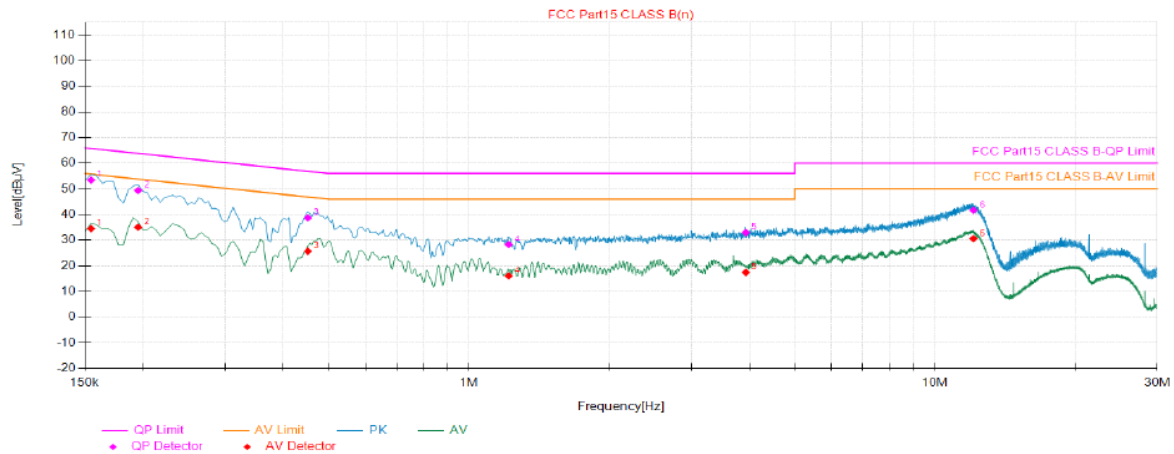
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.17	9.70	41.63	51.33	64.84	13.51	21.43	31.13	54.84	23.71
2	0.24	9.59	35.09	44.68	62.25	17.57	19.95	29.54	52.25	22.71
3	0.50	9.51	24.62	34.13	56.00	21.87	10.68	20.19	46.00	25.81
4	1.32	9.46	14.27	23.73	56.00	32.27	-1.17	8.29	46.00	37.71
5	3.16	9.66	16.96	26.62	56.00	29.38	0.90	10.56	46.00	35.44
6	12.27	10.04	31.17	41.21	60.00	18.79	18.77	28.81	50.00	21.19

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: N Voltage: 230V 50Hz



Final Data List

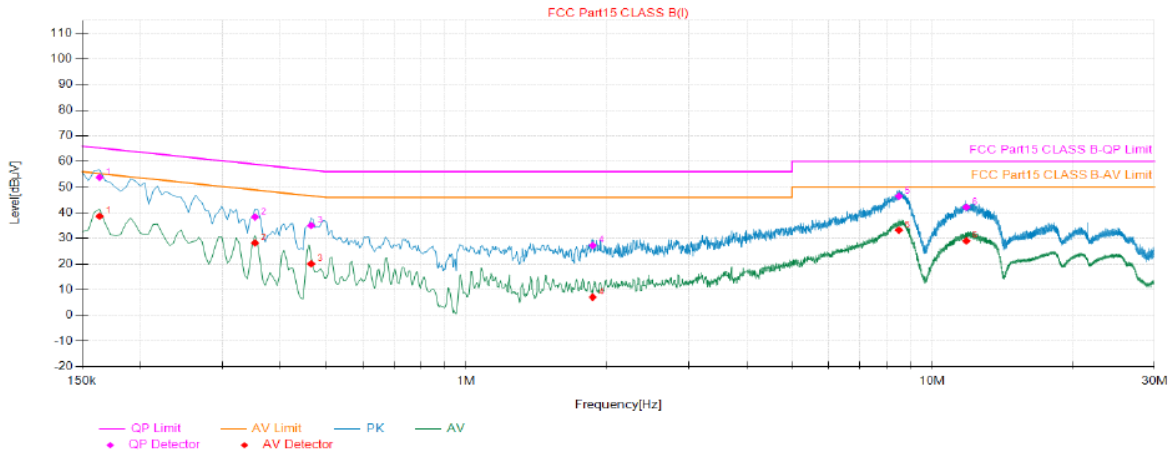
NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.15	9.66	43.78	53.44	65.75	12.31	24.82	34.48	55.75	21.27
2	0.20	9.68	39.70	49.38	63.82	14.44	25.35	35.03	53.82	18.79
3	0.45	9.48	29.20	38.68	56.85	18.17	16.17	25.65	46.85	21.20
4	1.22	9.46	18.82	28.28	56.00	27.72	6.57	16.03	46.00	29.97
5	3.93	9.66	23.29	32.95	56.00	23.05	7.74	17.40	46.00	28.60
6	12.09	10.09	31.53	41.62	60.00	18.38	20.53	30.62	50.00	19.38

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

YLHDJ-0005 with Adaptor BI24G-240100-AdU(IP44)

Phase: L Voltage: 120V 60Hz



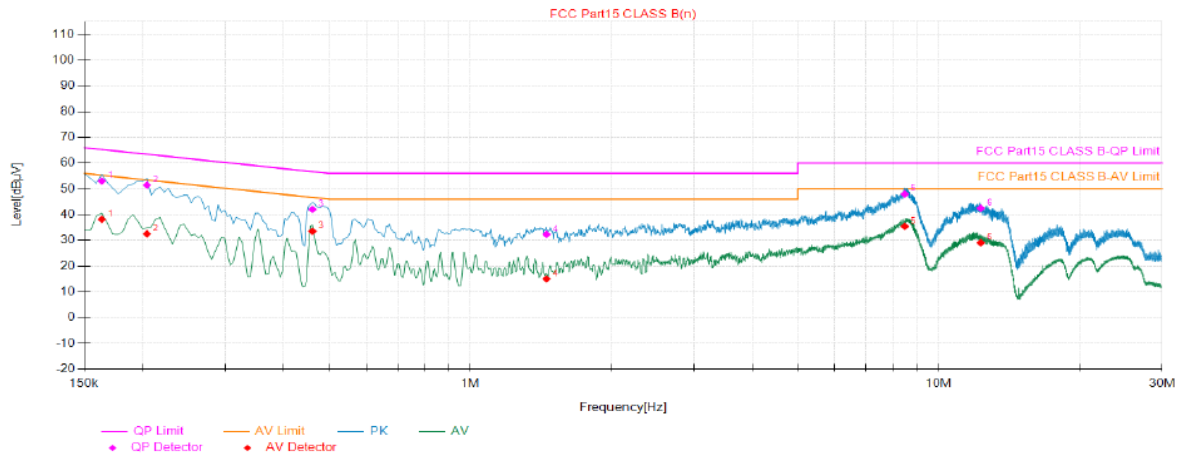
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.16	9.70	44.08	53.78	65.28	11.50	28.92	38.62	55.28	16.66
2	0.35	9.46	28.85	38.31	58.90	20.59	18.76	28.22	48.90	20.68
3	0.47	9.50	25.49	34.99	56.60	21.61	10.58	20.08	46.60	26.52
4	1.87	9.56	17.72	27.28	56.00	28.72	-2.49	7.07	46.00	38.93
5	8.48	9.78	36.69	46.47	60.00	13.53	23.43	33.21	50.00	16.79
6	11.84	10.05	32.10	42.15	60.00	17.85	19.00	29.05	50.00	20.95

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: N Voltage: 120V 60Hz



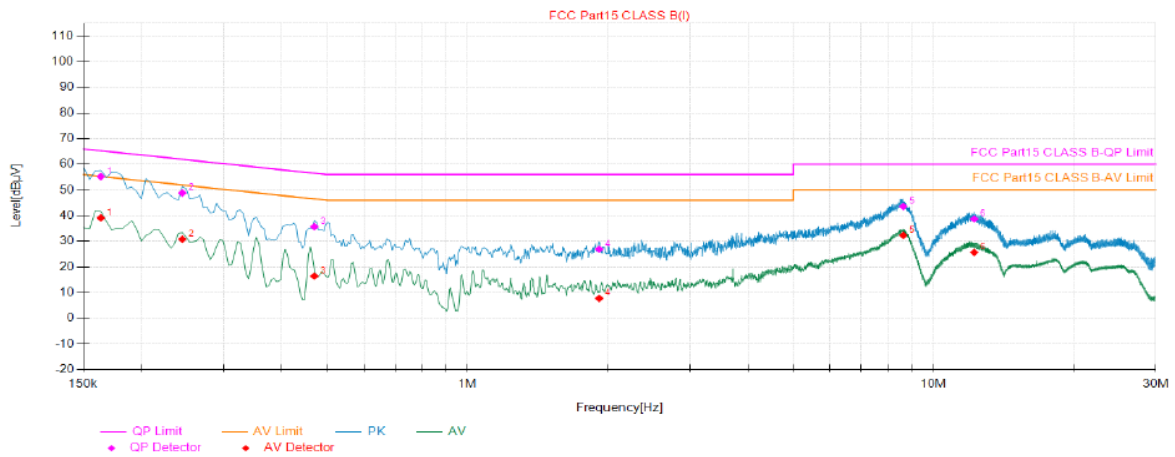
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.16	9.67	43.39	53.06	65.28	12.22	28.46	38.13	55.28	17.15
2	0.20	9.67	41.81	51.48	63.45	11.97	22.86	32.53	53.45	20.92
3	0.46	9.48	32.52	42.00	56.68	14.68	24.04	33.52	46.68	13.16
4	1.46	9.51	22.83	32.34	56.00	23.66	5.52	15.03	46.00	30.97
5	8.46	9.86	38.11	47.97	60.00	12.03	25.57	35.43	50.00	14.57
6	12.29	10.08	32.38	42.46	60.00	17.54	18.99	29.07	50.00	20.93

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: L Voltage: 230V 50Hz



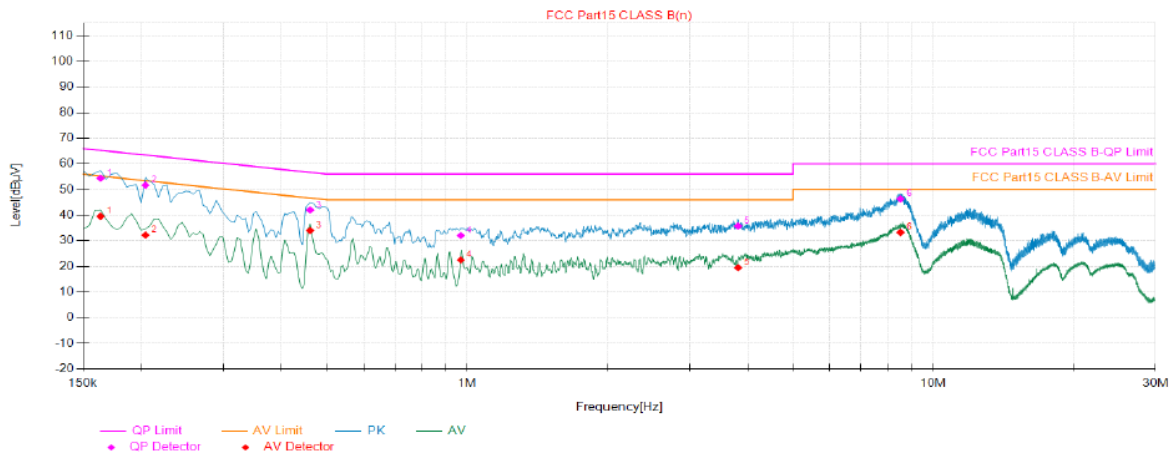
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.16	9.70	45.51	55.21	65.28	10.07	29.41	39.11	55.28	16.17
2	0.24	9.57	39.26	48.83	61.94	13.11	21.24	30.81	51.94	21.13
3	0.47	9.50	26.20	35.70	56.52	20.82	6.91	16.41	46.52	30.11
4	1.92	9.57	17.37	26.94	56.00	29.06	-1.83	7.74	46.00	38.26
5	8.61	9.81	33.72	43.53	60.00	16.47	22.51	32.32	50.00	17.68
6	12.23	10.05	28.63	38.68	60.00	21.32	15.59	25.64	50.00	24.36

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: N Voltage: 230V 50Hz



Final Data List

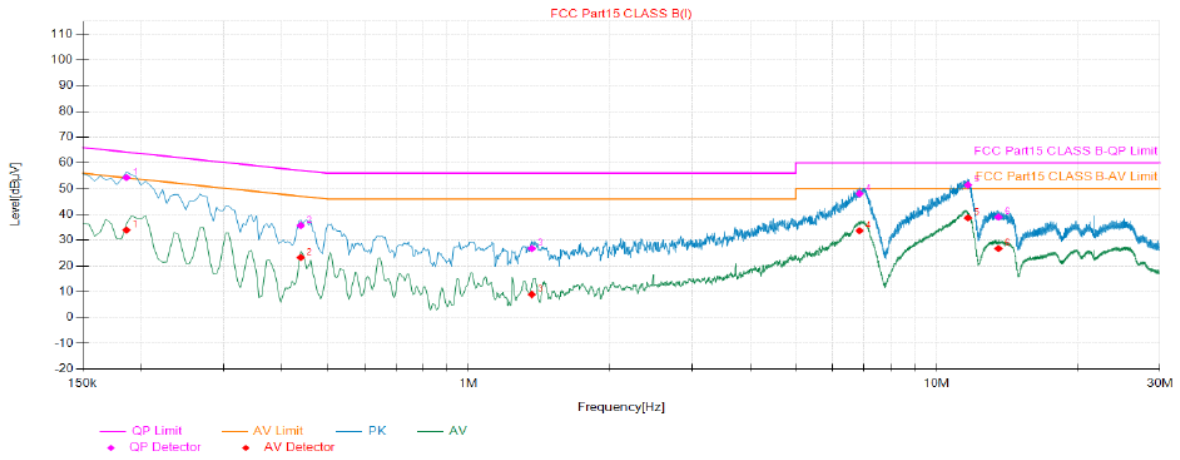
NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.16	9.67	44.75	54.42	65.28	10.86	29.85	39.52	55.28	15.76
2	0.20	9.67	42.03	51.70	63.45	11.75	22.55	32.22	53.45	21.23
3	0.46	9.48	32.49	41.97	56.68	14.71	24.53	34.01	46.68	12.67
4	0.97	9.40	22.66	32.06	56.00	23.94	13.08	22.48	46.00	23.52
5	3.81	9.66	26.08	35.74	56.00	20.26	9.79	19.45	46.00	26.55
6	8.50	9.86	36.50	46.36	60.00	13.64	23.37	33.23	50.00	16.77

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

YLHDJ-0006 with Adaptor BI36G-240150-AdU(IP44)

Phase: L Voltage: 120V 60Hz



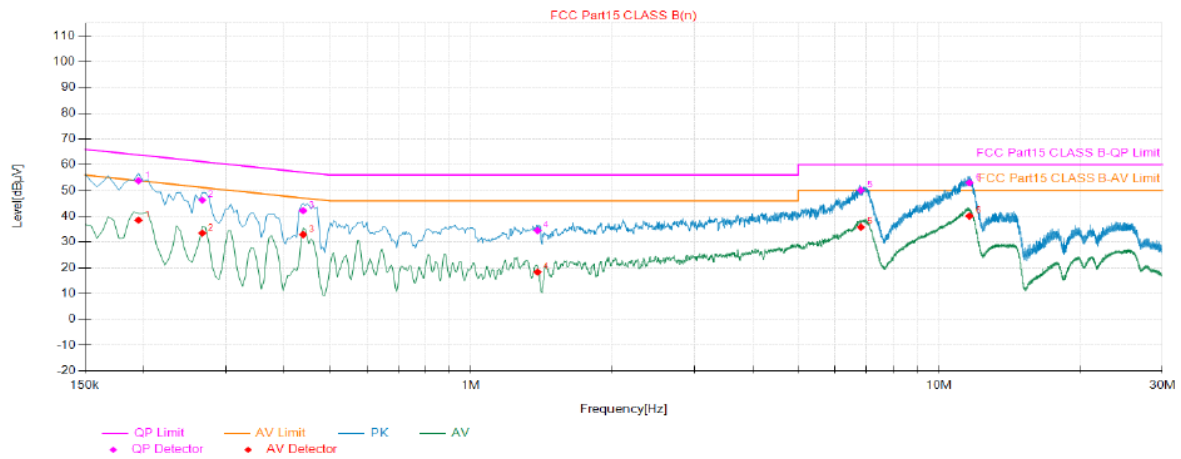
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.19	9.69	44.63	54.32	64.21	9.89	24.25	33.94	54.21	20.27
2	0.44	9.49	26.21	35.70	57.10	21.40	13.77	23.26	47.10	23.84
3	1.37	9.47	17.30	26.77	56.00	29.23	-0.54	8.93	46.00	37.07
4	6.85	9.73	38.36	48.09	60.00	11.91	23.95	33.68	50.00	16.32
5	11.67	10.05	41.41	51.46	60.00	8.54	28.60	38.65	50.00	11.35
6	13.56	10.00	29.00	39.00	60.00	21.00	16.75	26.75	50.00	23.25

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: N Voltage: 120V 60Hz



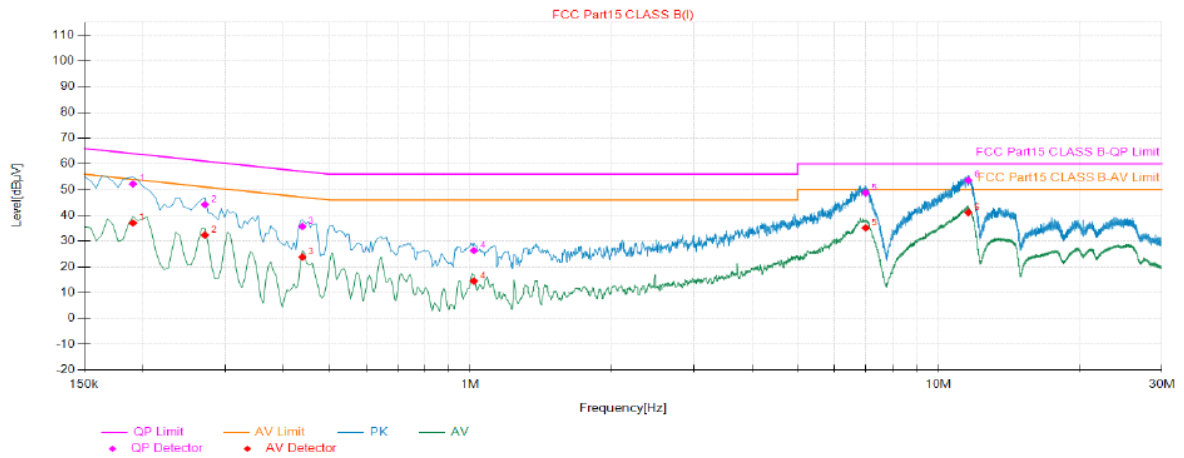
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.20	9.68	44.08	53.76	63.82	10.06	28.78	38.46	53.82	15.36
2	0.27	9.58	36.72	46.30	61.21	14.91	23.86	33.44	51.21	17.77
3	0.44	9.49	32.67	42.16	57.10	14.94	23.41	32.90	47.10	14.20
4	1.39	9.49	24.97	34.46	56.00	21.54	8.84	18.33	46.00	27.67
5	6.81	9.67	40.43	50.10	60.00	9.90	26.11	35.78	50.00	14.22
6	11.62	10.10	42.91	53.01	60.00	6.99	29.96	40.06	50.00	9.94

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: L Voltage: 230V 50Hz



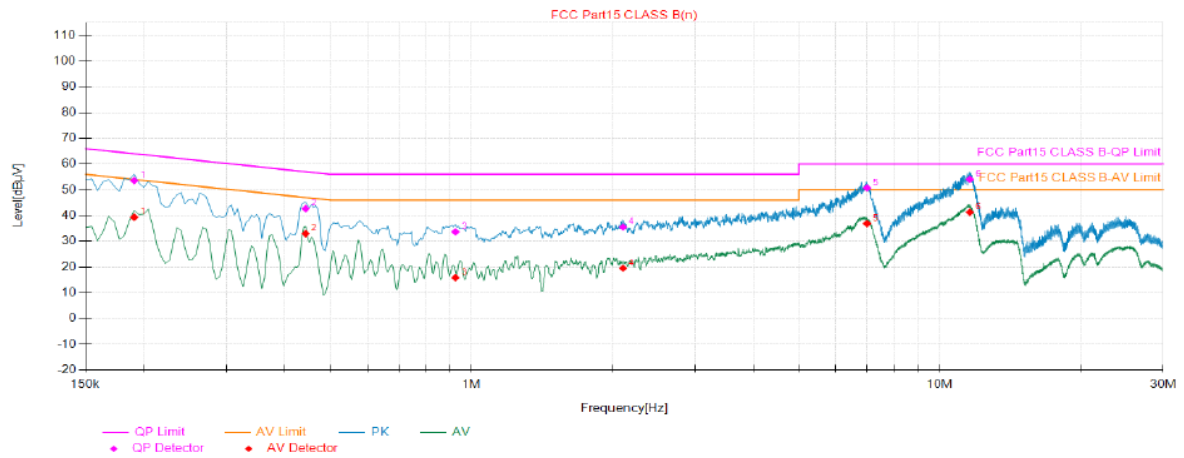
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.19	9.69	42.51	52.20	64.01	11.81	27.34	37.03	54.01	16.98
2	0.27	9.51	34.70	44.21	61.07	16.86	22.85	32.36	51.07	18.71
3	0.44	9.49	26.20	35.69	57.10	21.41	14.31	23.80	47.10	23.30
4	1.02	9.41	16.87	26.28	56.00	29.72	5.07	14.48	46.00	31.52
5	6.99	9.75	38.99	48.74	60.00	11.26	25.39	35.14	50.00	14.86
6	11.58	10.05	43.57	53.62	60.00	6.38	31.04	41.09	50.00	8.91

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: N Voltage: 230V 50Hz



Final Data List

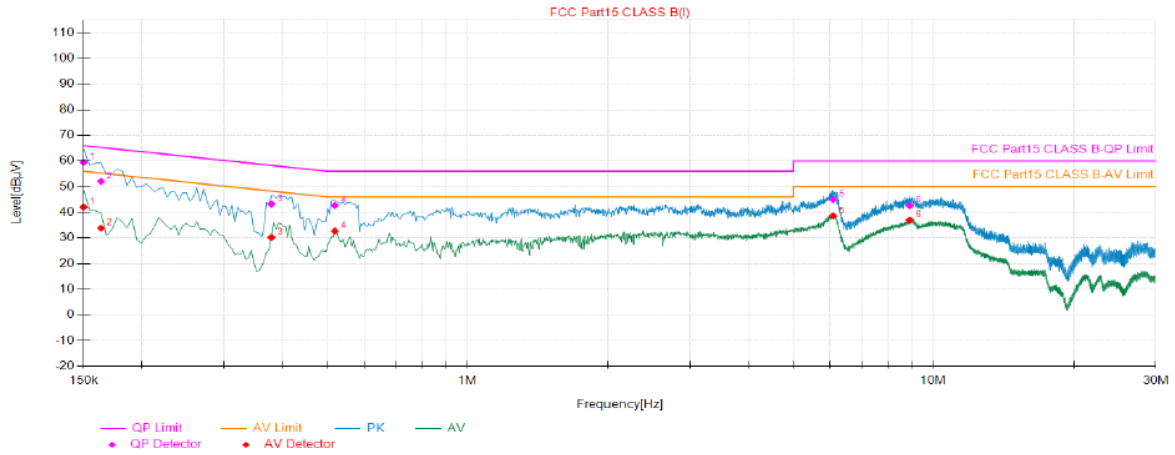
NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.19	9.68	43.87	53.55	64.01	10.46	29.65	39.33	54.01	14.68
2	0.44	9.49	33.17	42.66	57.01	14.35	23.46	32.95	47.01	14.06
3	0.92	9.37	24.30	33.67	56.00	22.33	6.47	15.84	46.00	30.16
4	2.11	9.62	25.90	35.52	56.00	20.48	9.87	19.49	46.00	26.51
5	7.00	9.68	41.06	50.74	60.00	9.26	27.18	36.86	50.00	13.14
6	11.60	10.10	43.95	54.05	60.00	5.95	31.17	41.27	50.00	8.73

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

YLHDJ-0007 with Adaptor BI48G-240200-AdU(IP44)

Phase: L Voltage: 120V 60Hz



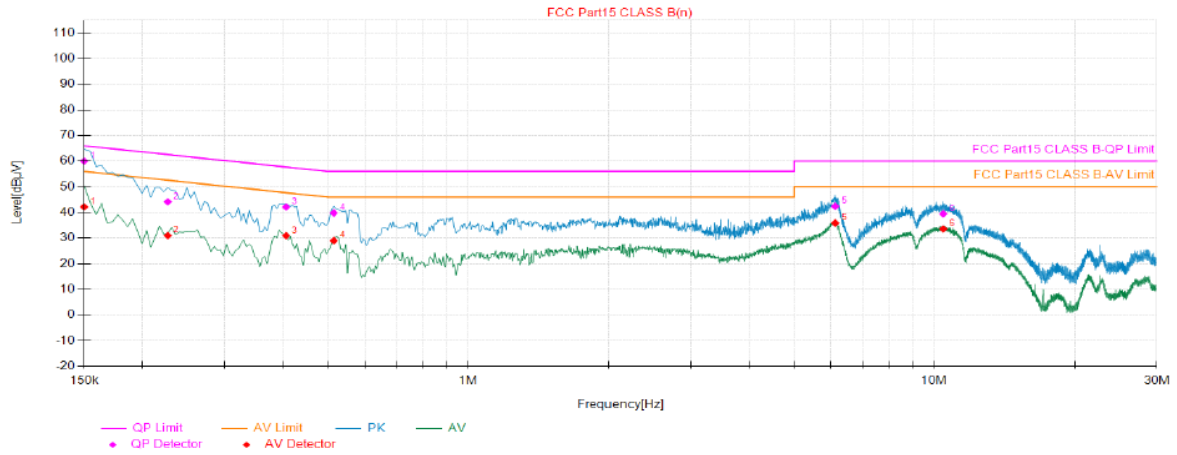
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.15	9.71	49.79	59.50	66.00	6.50	32.32	42.03	56.00	13.97
2	0.16	9.70	42.35	52.05	65.28	13.23	24.12	33.82	55.28	21.46
3	0.38	9.47	33.73	43.20	58.29	15.09	20.73	30.20	48.29	18.09
4	0.52	9.51	33.17	42.68	56.00	13.32	23.20	32.71	46.00	13.29
5	6.09	9.66	35.27	44.93	60.00	15.07	28.92	38.58	50.00	11.42
6	8.89	9.85	32.71	42.56	60.00	17.44	27.10	36.95	50.00	13.05

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: N Voltage: 120V 60Hz



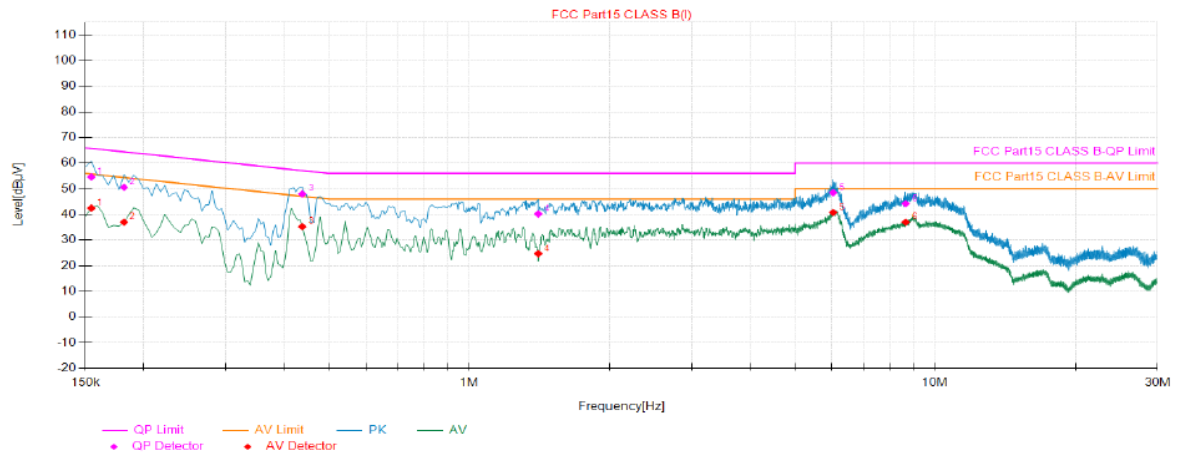
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.15	9.66	50.38	60.04	66.00	5.96	32.48	42.14	56.00	13.86
2	0.23	9.64	34.51	44.15	62.58	18.43	21.35	30.99	52.58	21.59
3	0.41	9.50	32.60	42.10	57.72	15.62	21.44	30.94	47.72	16.78
4	0.51	9.47	30.29	39.76	56.00	16.24	19.53	29.00	46.00	17.00
5	6.13	9.62	32.75	42.37	60.00	17.63	26.24	35.86	50.00	14.14
6	10.46	10.08	29.36	39.44	60.00	20.56	23.48	33.56	50.00	16.44

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: L Voltage: 230V 50Hz



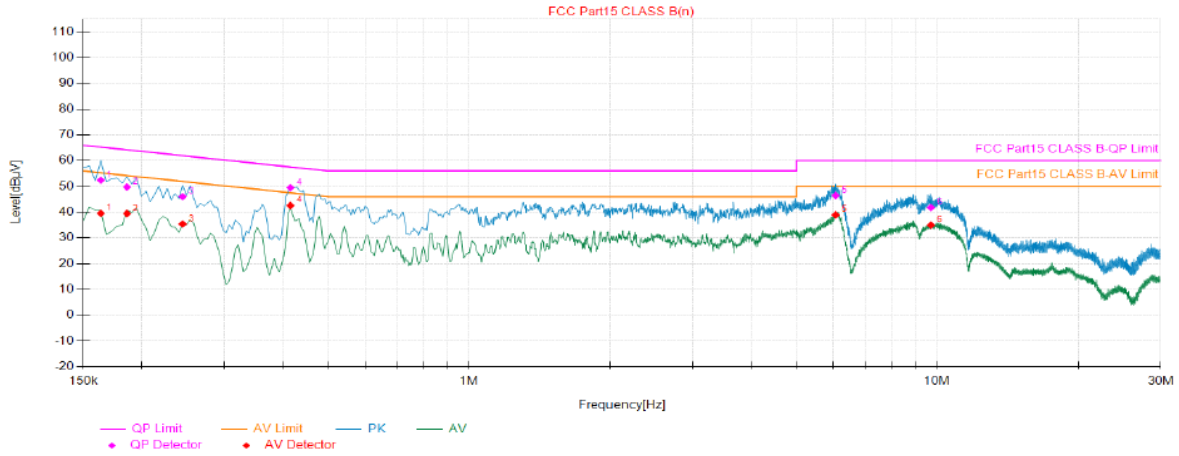
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.15	9.71	44.93	54.64	65.75	11.11	32.75	42.46	55.75	13.29
2	0.18	9.69	40.88	50.57	64.42	13.85	27.29	36.98	54.42	17.44
3	0.44	9.49	38.51	48.00	57.10	9.10	25.74	35.23	47.10	11.87
4	1.41	9.48	30.69	40.17	56.00	15.83	15.18	24.66	46.00	21.34
5	6.04	9.65	38.85	48.50	60.00	11.50	31.13	40.78	50.00	9.22
6	8.64	9.81	34.40	44.21	60.00	15.79	27.15	36.96	50.00	13.04

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

Phase: N Voltage: 230V 50Hz



Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.16	9.67	42.74	52.41	65.28	12.87	29.86	39.53	55.28	15.75
2	0.19	9.67	40.11	49.78	64.21	14.43	29.77	39.44	54.21	14.77
3	0.24	9.61	36.43	46.04	61.94	15.90	25.78	35.39	51.94	16.55
4	0.42	9.50	40.03	49.53	57.54	8.01	33.06	42.56	47.54	4.98
5	6.07	9.61	36.87	46.48	60.00	13.52	29.30	38.91	50.00	11.09
6	9.69	10.04	31.71	41.75	60.00	18.25	24.90	34.94	50.00	15.06

REMARKS:

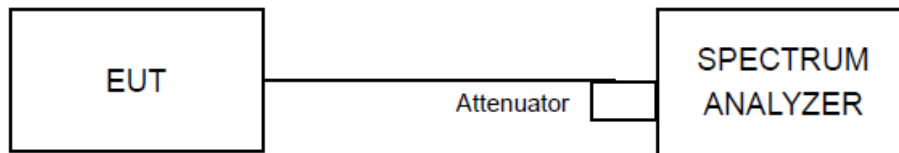
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Limit value - Emission level
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

4.2 Minimum 6dB Bandwidth

4.2.1 Limit

For digital modulation systems, the minimum 6dB bandwidth shall be at least 500 kHz

4.2.2 Test Setup



4.2.3 Test Procedures

The EUT was tested according to DTS test procedure of “KDB558074 D01 DTS Meas Guidance” for compliance to FCC 47CFR 15.247 requirements (clause 8.2).

The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described above (i.e., RBW = 100 kHz, VBW \geq 3 RBW, peak detector with maximum hold) is implemented by the instrumentation function.

4.2.4 Deviation of Test Standard

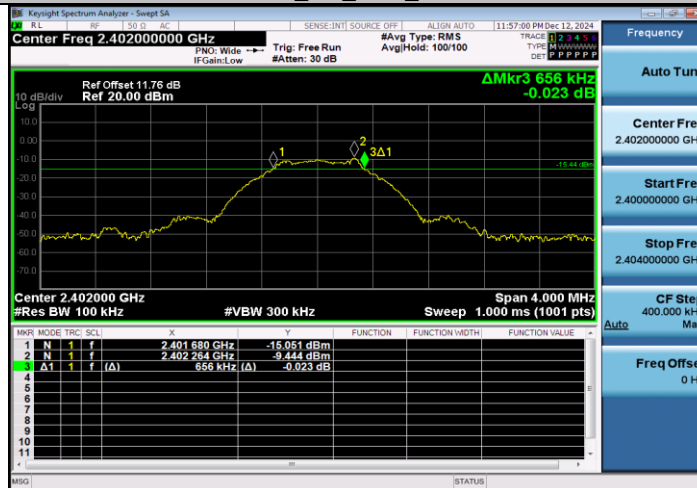
No deviation.

4.2.5 Test Results

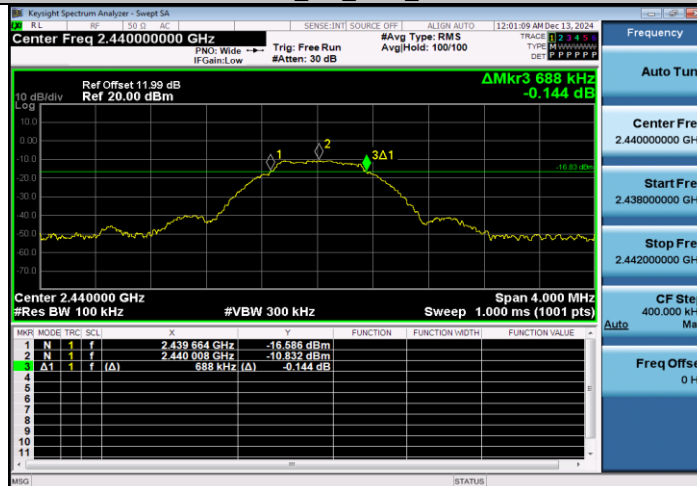
DTS Bandwidth

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.656	2401.680	2402.336	0.5	PASS
		2440	0.688	2439.664	2440.352	0.5	PASS
		2480	0.652	2479.676	2480.328	0.5	PASS
BLE_2M	Ant1	2402	1.092	2401.448	2402.540	0.5	PASS
		2440	1.088	2439.464	2440.552	0.5	PASS
		2480	1.228	2479.364	2480.592	0.5	PASS

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

