TEST REPORT

No.B20N03097-EMC

for

Honor Device Co., Ltd.

Smart Band

Model Name：ARG-B39

With

Hardware Version:LTAM230

Software Version:1.1.0.1

FCC ID: 2AYGCARG-B39

Issued Date: 2020-12-08

Designation Number: CN1210

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of SAICT.

Test Laboratory:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
B20N03097-EMC	Rev.0	1st edition	2020-12-08

Note: the latest revision of the test report supersedes all previous version.

CONTENTS

1. Summary of Test Report

1.1. Test Items

Description	Smart Band
Model Name	ARG-B39
Applicant's name	Honor Device Co., Ltd.
Manufacturer's Name	Honor Device Co., Ltd.

1.2. Test Standards

FCC Part 15, Subpart B 10-1-2019 Edition; ANSI C63.4 2014

1.3. Test Result

Pass

Total test 2 items, pass 2 items. Please refer to "6.2 Summary of Measurement Results"

1.4. Testing Location

Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China

1.5. Project data

Testing Start Date: 2020-12-01 Testing End Date: 2020-12-08

1.6. Signature

Ma Shoujian
(Prepared this test report)

Zhang Yunzhuan
(Reviewed this test report)

Cao Junfei
(Approved this test report)

2. ClientInformation

2.1. Applicant Information

Company Name:	Honor Device Co., Ltd.
Address:	Shum Yip Sky Park, No. 8089, Hongli West Road, Shenzhen, Guangdong, China

2.2. Manufacturer Information

Company Name:	Honor Device Co., Ltd.
Address:	Shum Yip Sky Park, No. 8089, Hongli West Road, Shenzhen, Guangdong, China

3. Equipment UnderTest (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	Smart Band
Model Name	ARG-B39
FCC ID	2AYGCARG-B39
Antenna Type	Internal Antenna
Condition of EUT as received	No obvious damage in appearance

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of Shenzhen Academy of Information and Communications Technology.

3.2. Internal Identification of EUT

EUT ID*	SN or IMEI	HW Version	SW Version	Receive Date
UT01aa	189E2C3A9C91	LTAM230	1.1.0.1	2020-12-01
UT03aa	2CC54603681D	LTAM230	1.1.0.1	2020-12-01
UT05aa	2CC546036A07	LTAM230	1.1.0.1	2020-12-01

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE

AE ID*	Description
AE1	Li-ion Battery
AE2	Charge
AE3	Charging dock

AE1-1

Model	HB351731EFW
Manufacturer	Tianjin lishen battery joint-stock.,LTD.
Rated Voltage:	3.87V
Cutoff Voltage	4.45V
DischargeVoltage	3.0V

AE1-2

Model	HB351731EFW
Manufacturer	Zhuhai CosMX Power Jinwan Subsidiary Co., Ltd.
Rated Voltage:	3.87V
Cutoff Voltage	4.45V
DischargeVoltage	3.0V

AE1-3

Model	HB351731EFW
Manufacturer	Dongguan NVT Technology Co.,Ltd.
Rated Voltage:	3.87V

Cutoff Voltage 4.45V
DischargeVoltage 3.0V

AE2
Model /
Manufacturer /

AE3
Model POWER-CA030

*AE ID is used to identify the test sample in the lab internally.
AE: ancillary equipment
AE2 is just for testing.

3.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE
Set.1	EUT+AE1-1+AE2+AE3
Set.2	EUT+AE1-2+AE2+AE3
Set.3	EUT+AE1-3+AE2+AE3

3.5. General Description

The Equipment Under Test (EUT) is a model of Smart Band with internal antenna.
It have Bluetooth function.
It consists of normal options: Li-ion Battery and Charging dock .
Manual and specifications of the EUT were provided to fulfill the test.
Samples (EUT+AE) undergoing test were selected by the Client. Relevant information is provided by the Client.

4. Reference Documents

4.1. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part 15, Subpart B	Radio frequency devices	10-1-2019 Edition
ANSI C63.4	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2014

5. LABORATORY ENVIRONMENT

Semi-anechoic chamber did not exceed following limits along the EMC testing:
9.10m×6.10m×5.60m (L×W×H)

Temperature	Min. = 15 ℃, Max. = 35℃
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-18000MHz,>90dB
Electrical insulation	>2MΩ
Ground system resistance	<4Ω
Normalised site attenuation (NSA)	<±4 dB, 3 m distance, from 30 to 1000 MHz

Shield room did not exceed following limits along the EMC testing:

Temperature	Min. = 15 ℃, Max. = 35 ℃
Relative humidity	Min. =20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-10000MHz,>90dB
Electrical insulation	>2MΩ
Ground system resistance	<4Ω

Fully-anechoic chamber did not exceed following limits along the EMC testing:
9.10m×6.10m×5.60m (L×W×H)

Temperature	Min. = 15 ℃, Max. = 35℃
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-18000MHz,>90dB
Electrical insulation	>2MΩ
Ground system resistance	<4Ω
Voltage Standing Wave Ratio（VSWR）	≤ 6 dB, from 1 to 18GHz，3 m distance
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

6. SUMMARY OF TEST RESULTS

6.1. Testing Environment

Normal Temperature: 15~35℃
Relative Humidity: 20~75%
Atmospheric pressure 86~106kPa

6.2. Summary of Measurement Results

Abbreviations used in this clause:	
P	Pass
NA	Not applicable
F	Fail

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Radiated Emission	15.109(a)	A.1	P
2	Conducted Emission	15.107(a)	A.2	P

6.3. Statement

6.3.1 Statements of conformity

This report takes measured values as criterion of test conclusion. The test conclusion meets the limit requirements.

7. Measurement uncertainty

Test item	Frequency ranges	Measurement uncertaint
Radiated Emission	30MHz-1GHz	4.84dB(k=2)
	1GHz-18GHz	4.68dB(k=2)
Conducted Emission	150kHz-30MHz	3.00dB(k=2)

8. Test Facilities Utilized

NO.	NAME	TYPE	SERIES NUMBER	PRODUCER	CALDUE DATE	CAL PERIOD
1.	Test Receiver	ESR7	101676	R&S	2021.11.25	1 year
2.	Test Receiver	ESCI	100701	R&S	2021.08.09	1 year
3.	Spectrum Analyzer	FSV40	101192	R&S	2021.01.14	1 year
4.	BiLog Antenna	3142E	00224831	ETS-Lindgren	2021.05.17	3 years
5.	LISN	ENV216	102067	R&S	2021.07.16	1 year
6.	Horn Antenna	3117	00066577	ETS-Lindgren	2022.04.02	3 years
7.	Chamber	FACT3-2.0	1285	ETS-Lindgren	2021.07.19	2 years
8.	Software	EMC32	V10.01.00	R&S	/	/
9.	Filter	HPF_3G18G-SMA	/	SKET	/	/
10.	Filter	HPF_6.3G21G-SMA	/	SKET	/	/

9. Test Accessory Utilized

NO.	NAME	TYPE	SERIES NUMBER	PRODUCER	CALDUE DATE	CAL PERIOD
1.	PC	ThinkPad T480	PF-13LW0C	Lenovo	/	/
2.	Printer	LTAM230008	VNF6C12491	HP	/	/
3.	Mouse	MOEUUOA	44NY517	Lenovo	/	/

ANNEX A: MEASUREMENT RESULTS

A.1 Radiated Emission (§15.109(a))

Reference

FCC: CFR Part 15.109(a)

A.1.1 Method of measurement

The field strength of radiated emissions from the unintentional radiator (Data transfer mode of EUT and charging mode of EUT) at a distance of 3 meters is tested. Tested in accordance with the procedures of ANSI C63.4 -2014, section 8.3.

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

A.1.2 EUT Operating Mode:

Bluetooth: The EUT is connected to a charger for charging. The EUT is connected to a PC for transmitting data by Bluetooth function. The model of the PC is Lenovo ThinkPad T480, and the serial number of the PC is PF-13LW0C.

This device does not contain the receivers which tune and operate between 30MHz-960MHz in the following bands:

All equipment is placed on the test table top and arranged in a typical configuration in accordance with ANSI C63.4-2014 and manipulated to obtain worst case emissions.

A.1.3 Measurement Limit

Limit from CFR Part 15.109(a)

Frequency range (MHz)	Field strength limit (μV/m)		
	Quasi-peak	Average	Peak
30-88	100		
88-216	150		
216-960	200		
960-1000	500		
>1000		500	5000

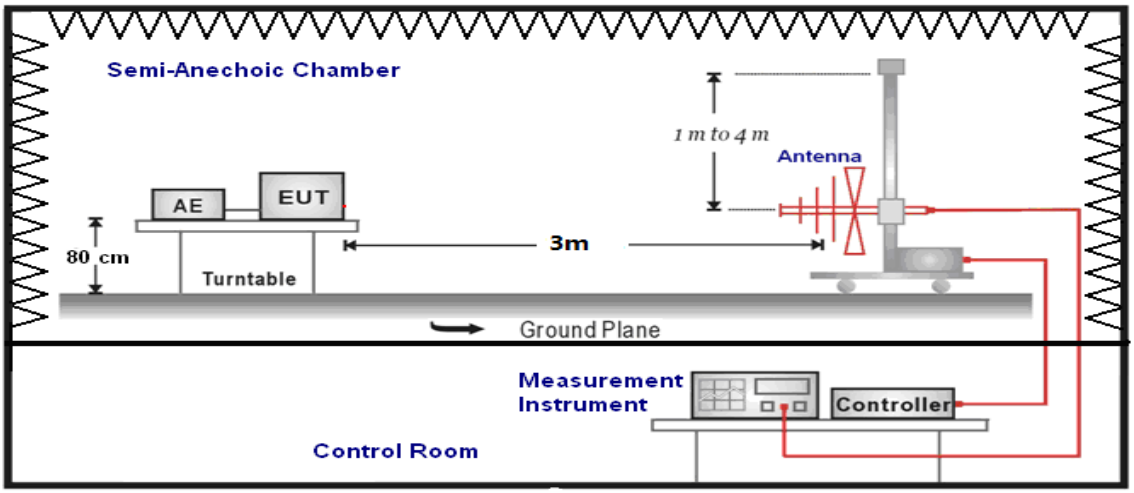
*Note: The original limit is defined at 10m test distance. This limit is calculated according to CISPR requirements.

A.1.4 Test Condition

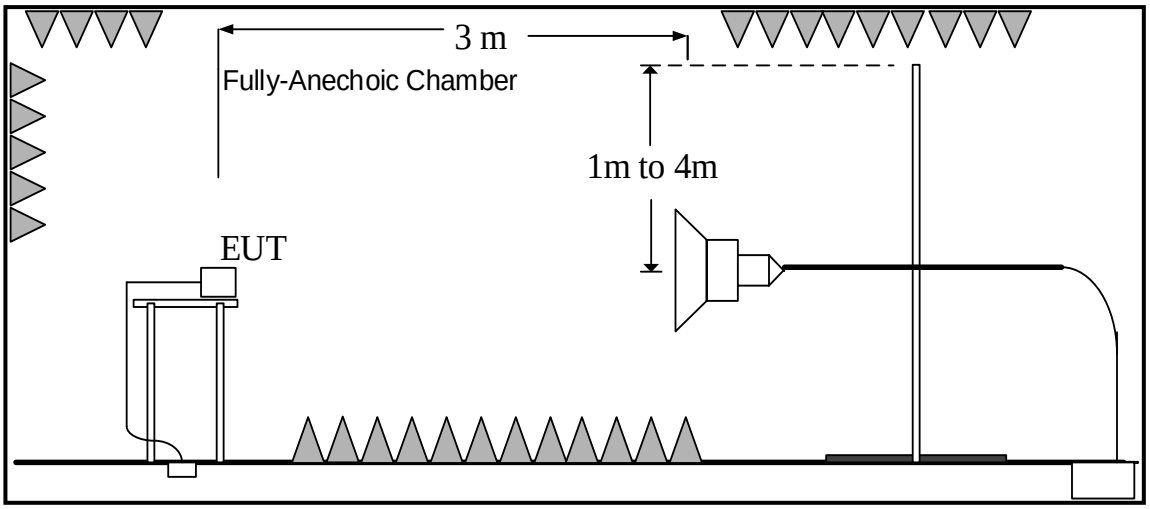
Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	120kHz (IF bandwidth)	5
Above 1000	1MHz/3MHz	15

A.1.5 Test set-up:

30MHz-1GHz



1GHz-18GHz



A.1.6 Measurement Results

A "reference path loss" is established and the A_{Rpl} is the attenuation of “reference path loss”. It includes the antenna factor of receive antenna and the path loss.

The measurement results are obtained as described below:

$Result=P_{Mea}+A_{Rpl} = P_{Mea} +G_A+G_{PL}$

Where

G_A: Antenna factor of receive antenna

G_{PL}:PathLoss

P_{Mea}: Measurement result on receiver.

Result:Quasi-Peak(dBμV/m) /Average(dBμV/m)/Peak(dBμV/m)

Note: the result contains vertical part and Horizontal part

Bluetooth

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT01aa/Set.1	Conclusion
30-88	40	See Figure A.1	P
88-216	44		
216-960	46		
960-1000	54		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT01aa/Set.1	Conclusion
1000 to 18000	54	74	See Figure A.2	P

Bluetooth

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.2	Conclusion
30-88	40	See Figure A.3	P
88-216	44		
216-960	46		
960-1000	54		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.2	Conclusion
1000 to 18000	54	74	See Figure A.4	P

Bluetooth

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT05aa/Set.3	Conclusion
30-88	40	See Figure A.5	P
88-216	44		
216-960	46		
960-1000	54		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT05aa/Set.3	Conclusion
1000 to 18000	54	74	See Figure A.6	P

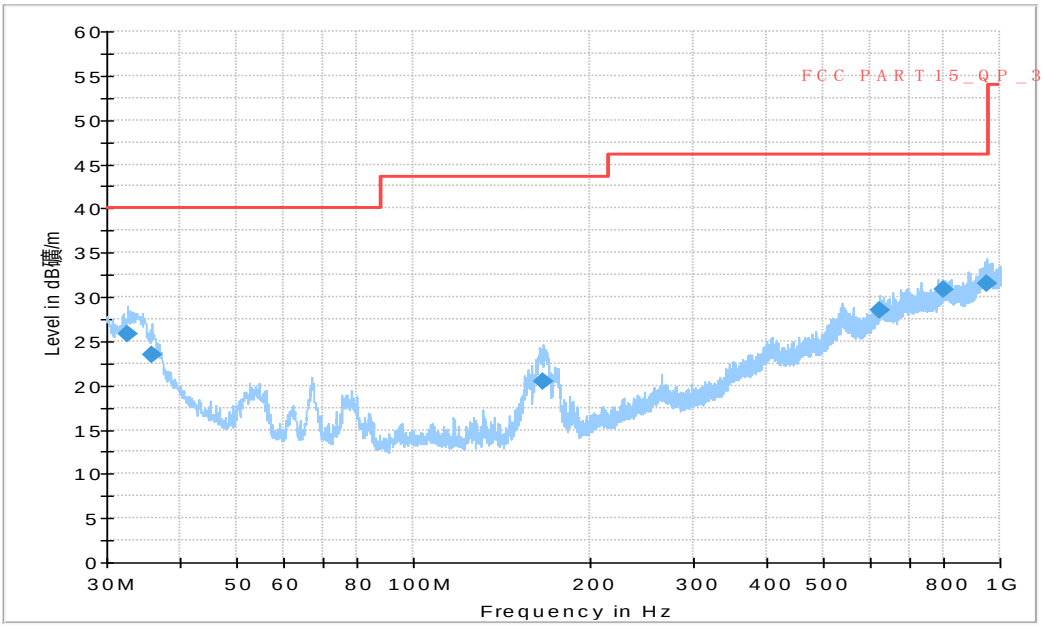
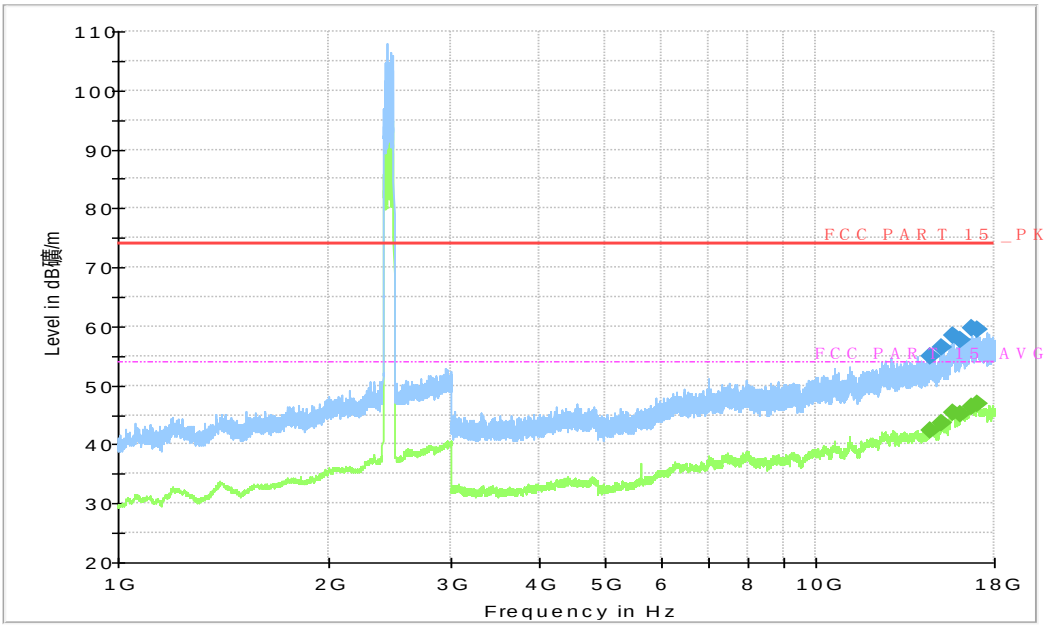


Figure A.1 Radiated Emission (Bluetooth, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
32.586667	25.81	40.00	14.19	V	-15	40.81
35.820000	23.43	40.00	16.57	V	-16	39.43
166.716111	20.45	43.52	23.07	V	-18	38.45
623.693889	28.46	46.02	17.56	V	-3	31.46
803.628889	30.88	46.02	15.14	V	-1	31.88
950.691667	31.47	46.02	14.55	V	1	30.47



Note: the spike over the limit is coming from the traffic carrier.

Figure A.2 Radiated Emission (Bluetooth, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Margin(dB)	Limit (dBµV/m)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
14585.678572	55.04	18.96	74.00	V	18	37.04
15139.607143	56.37	17.63	74.00	V	18	38.37
15680.571429	58.57	15.43	74.00	V	20	38.57
16113.500000	57.80	16.20	74.00	V	21	36.80
16668.607143	59.73	14.27	74.00	V	22	37.73
16995.071429	59.43	14.57	74.00	V	23	36.43

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Margin(dB)	Limit (dBµV/m)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
14585.678572	42.44	11.56	54.00	V	18	24.44
15139.607143	43.55	10.45	54.00	V	18	25.55
15680.571429	45.43	8.57	54.00	V	20	25.43
16113.500000	45.26	8.74	54.00	V	21	24.26
16668.607143	46.33	7.67	54.00	V	22	24.33
16995.071429	46.89	7.11	54.00	V	23	23.89

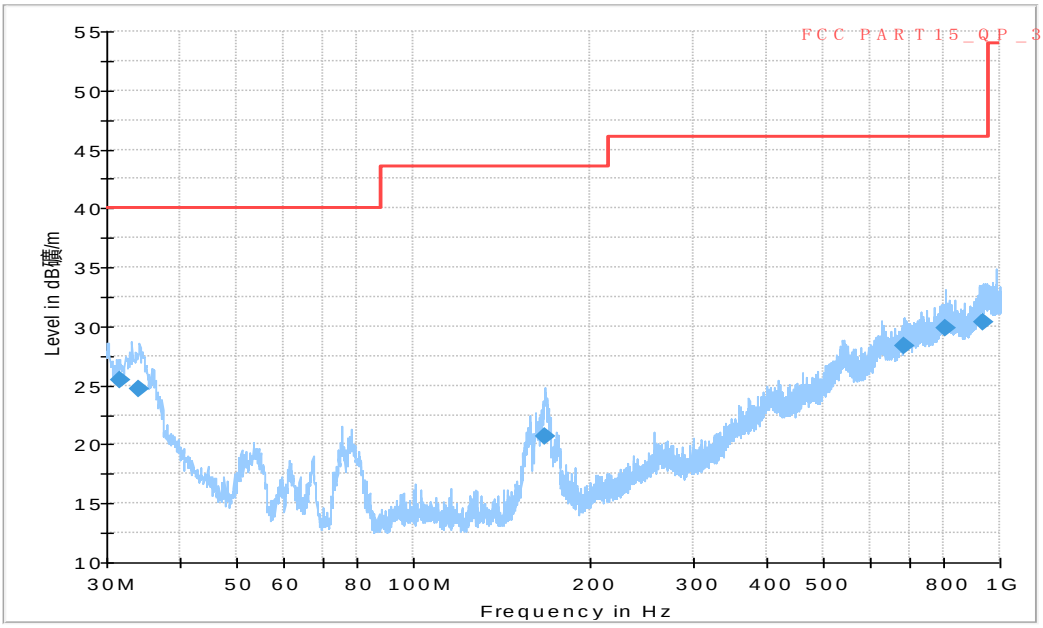
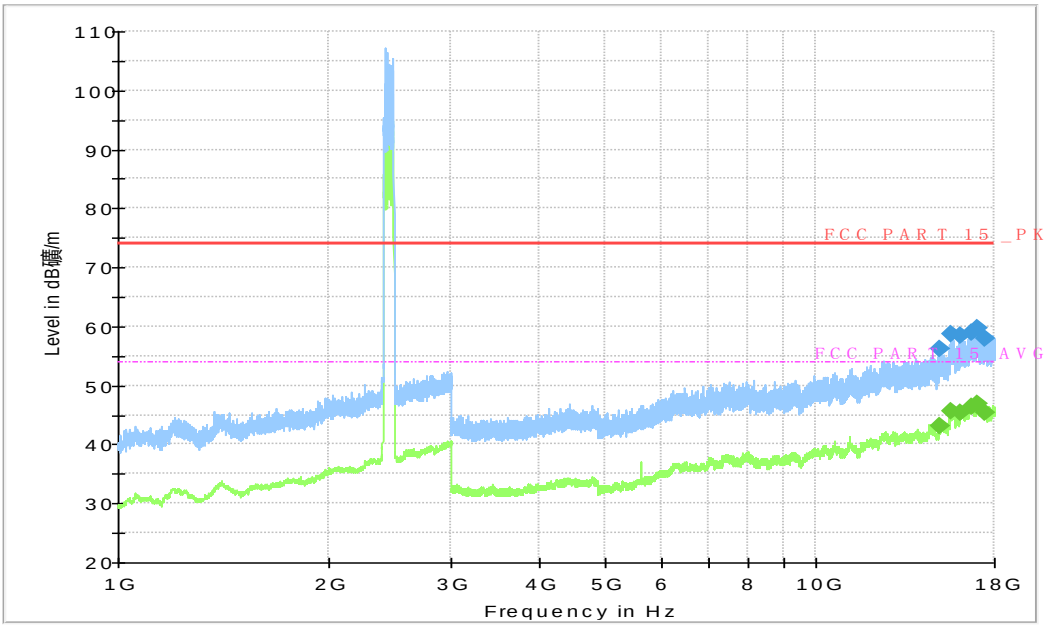


Figure A.3 Radiated Emission (Bluetooth, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
31.508889	25.40	40.00	14.60	V	-14	39.40
34.095556	24.66	40.00	15.34	V	-15	39.66
167.524444	20.68	43.52	22.84	V	-18	38.68
687.821667	28.38	46.02	17.64	V	-2	30.38
807.023889	29.92	46.02	15.10	H	-1	30.92
935.980000	30.36	46.02	15.66	V	1	29.36



Note: the spike over the limit is coming from the traffic carrier.

Figure A.4 Radiated Emission (Bluetooth, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Margin(dB)	Limit (dBµV/m)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
15034.714286	56.24	17.76	74.00	V	18	38.24
15644.428571	58.63	15.37	74.00	V	20	38.63
16120.964286	58.39	15.61	74.00	V	21	37.39
16672.535714	59.08	14.92	74.00	V	22	37.08
17054.392857	59.64	14.36	74.00	V	22	37.64
17444.107143	57.84	16.16	74.00	V	22	35.84

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Margin(dB)	Limit (dBµV/m)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
15034.714286	43.02	10.98	54.00	V	18	25.02
15644.428571	45.58	8.42	54.00	V	20	25.58
16120.964286	45.31	8.69	54.00	V	21	24.31
16672.535714	46.33	7.67	54.00	V	22	24.33
17054.392857	46.78	7.22	54.00	V	22	24.78
17444.107143	45.47	8.53	54.00	V	22	23.47

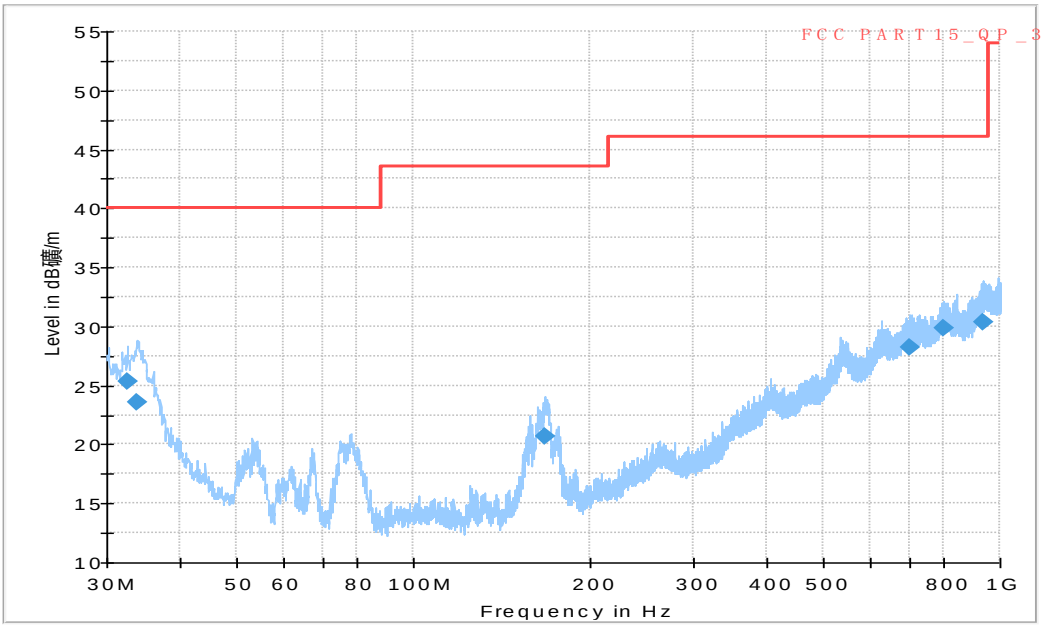
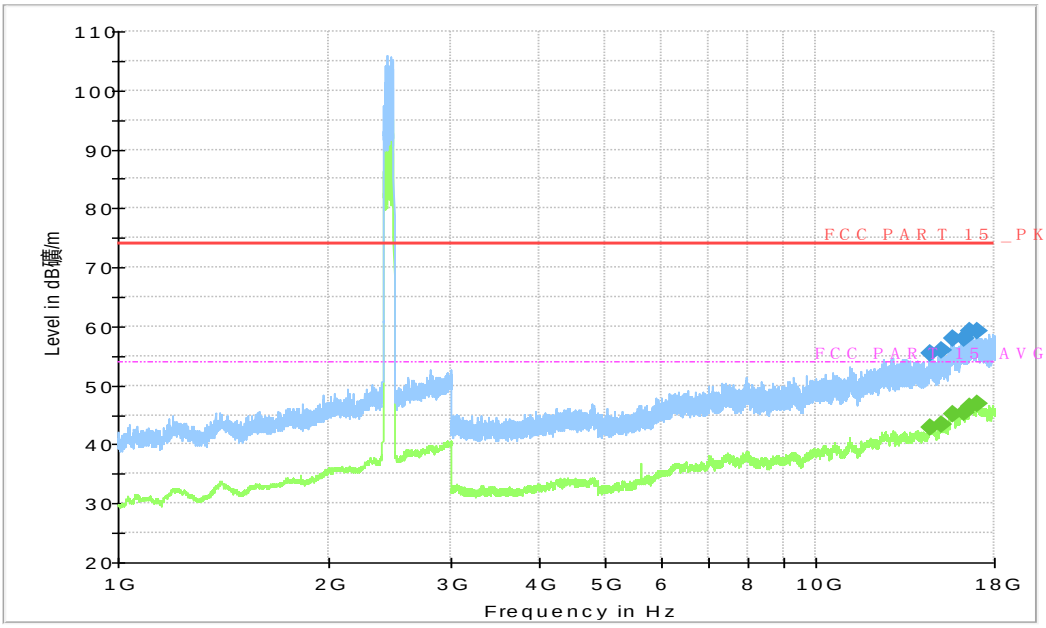


Figure A.5 Radiated Emission (Set.1, Bluetooth, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
32.478889	25.36	40.00	14.64	V	-15	40.36
33.880000	23.60	40.00	16.40	V	-15	38.60
167.686111	20.71	43.52	22.81	V	-18	38.71
702.263889	28.22	46.02	17.80	H	-2	30.22
803.251667	29.80	46.02	16.22	V	-1	30.80
937.650556	30.41	46.02	15.61	V	1	29.41



Note: the spike over the limit is coming from the traffic carrier.

Figure A.6 Radiated Emission (Bluetooth, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Margin(dB)	Limit (dBµV/m)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
14534.607143	55.52	18.48	74.00	V	18	37.52
15120.357143	55.97	18.03	74.00	V	18	37.97
15659.357143	57.94	16.06	74.00	V	20	37.94
16254.142857	57.96	16.04	74.00	H	21	36.96
16615.571429	59.19	14.81	74.00	V	22	37.19
17015.107143	59.13	14.87	74.00	V	23	36.13

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Margin(dB)	Limit (dBµV/m)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
14534.607143	42.97	11.03	54.00	V	18	24.97
15120.357143	43.33	10.67	54.00	V	18	25.33
15659.357143	45.25	8.75	54.00	V	20	25.25
16254.142857	45.46	8.54	54.00	H	21	24.46
16615.571429	46.35	7.65	54.00	V	22	24.35
17015.107143	46.96	7.04	54.00	V	23	23.96

A.2 Conducted Emission (§15.107(a))

Reference

FCC: CFR Part 15.107(a)

A.2.1 Method of measurement

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 150kHz to 30MHz shall not exceed the limits. Tested in accordance with the procedures of ANSI C63.4 -2014, section 7.3.

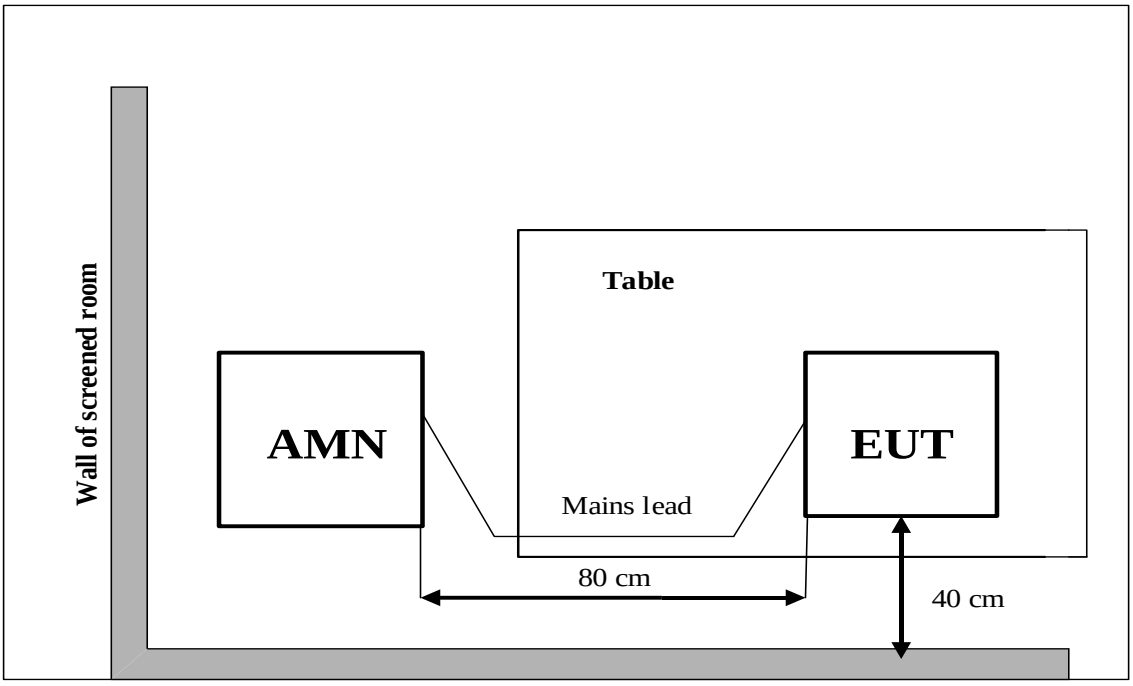
A.2.2 EUT Operating :

Bluetooth: The EUT is connected to a charger for charging. The EUT is connected to a PC for transmitting data by Bluetooth function. The model of the PC is Lenovo ThinkPad T480, and the serial number of the PC is PF-13LW0C.

A.2.3 Measurement Limit

Frequency of emission (MHz)	Conducted limit (dBμV)	
	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		

A.2.4Test set-up:



A.2.5 Test Condition in charging mode

Voltage（V）	Frequency（Hz）
120	60
240	60

RBW	Sweep Time(s)
9kHz	1

A.2.6 Measurement Results

QuasiPeak(dBμV) /Average(dBμV) =PMea+Corr

Where

Corr: PathLoss + Voltage Division Factor

PMea: Measurement result on receiver.

Bluetooth

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT01aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.1	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Bluetooth

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT03aa/Set.2	Conclusion
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.2	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Bluetooth

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT05aa/Set.3	Conclusion
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.3	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Bluetooth

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT01aa/Set.1	Conclusion
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.4	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Bluetooth

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT03aa/Set.2	Conclusion
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.5	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Bluetooth

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT05aa/Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.6	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

AC Input Port/ Voltage: 120V/60Hz

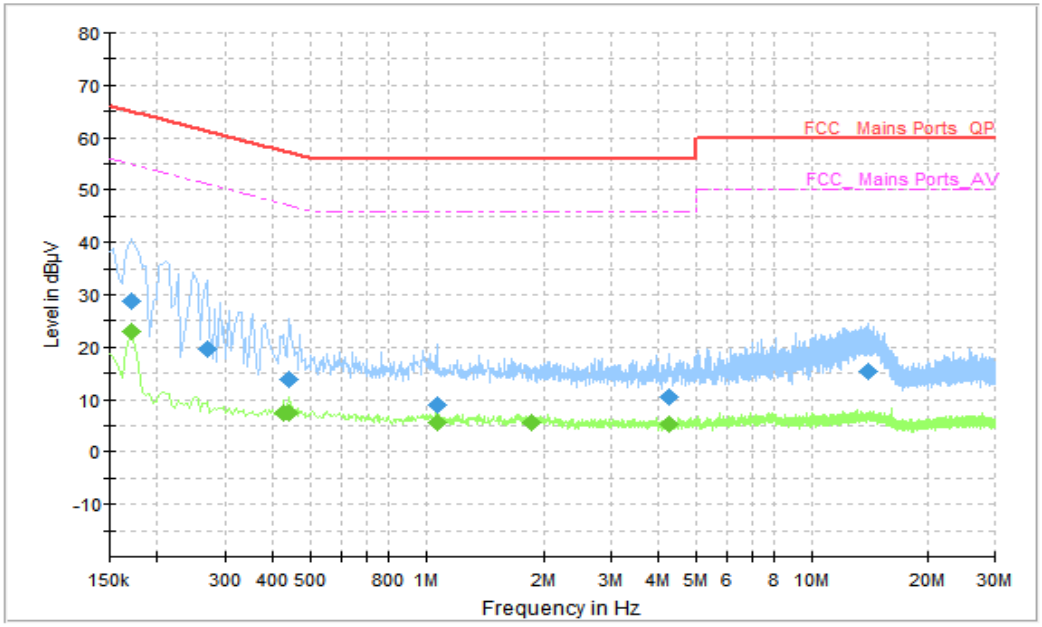


Figure A.2.1 Conducted Emission(Bluetooth)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.170000	28.74	64.96	36.22	N	10	18.74
0.270000	19.67	61.12	41.45	L1	10	9.67
0.438000	13.95	57.10	43.15	L1	10	3.95
1.066000	8.96	56.00	47.04	L1	10	-1.04
4.266000	10.35	56.00	45.65	N	10	0.35
14.102000	15.41	60.00	44.59	L1	10	5.41

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.170000	22.99	54.96	31.97	L1	10	12.99
0.426000	7.39	47.33	39.94	L1	10	-2.61
0.438000	7.39	47.10	39.71	L1	10	-2.61
1.066000	5.74	46.00	40.26	L1	10	-4.26
1.858000	5.58	46.00	40.42	N	10	-4.42
4.246000	5.22	46.00	40.78	N	10	-4.78

AC Input Port/ Voltage: 120V/60Hz

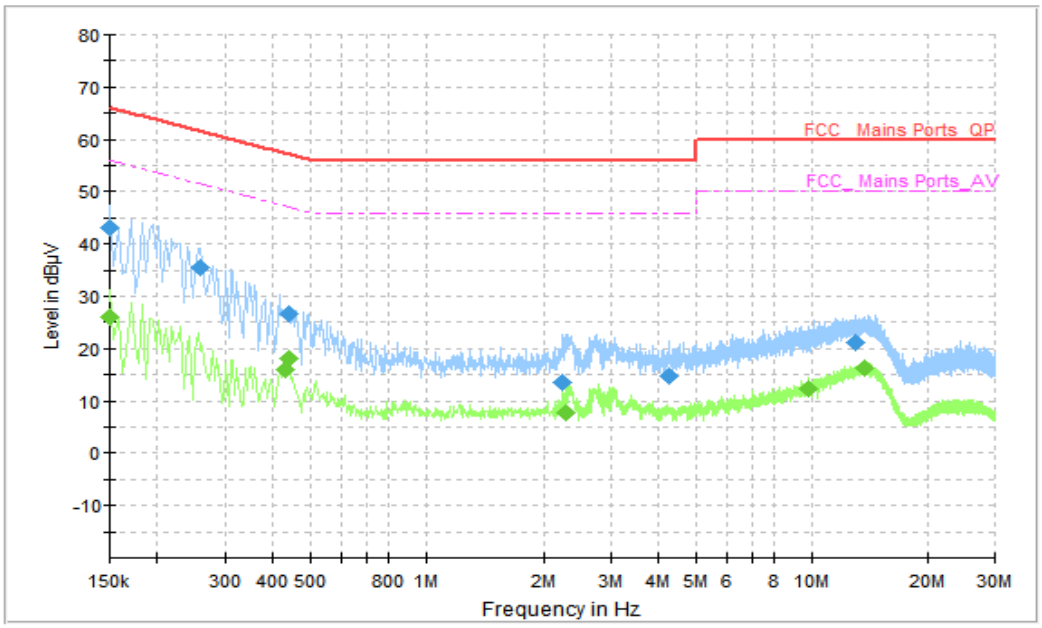


Figure A.2.2 Conducted Emission(Bluetooth)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	43.23	66.00	22.77	N	10	33.23
0.258000	35.34	61.50	26.15	L1	10	25.34
0.438000	26.68	57.10	30.42	N	10	16.68
2.238000	13.48	56.00	42.52	N	10	3.48
4.234000	14.72	56.00	41.28	N	10	4.72
12.934000	21.03	60.00	38.97	L1	10	11.03

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	25.97	56.00	30.03	N	10	15.97
0.430000	15.91	47.25	31.34	N	10	5.91
0.438000	18.20	47.10	28.90	N	10	8.20
2.298000	7.70	46.00	38.30	N	10	-2.30
9.786000	12.38	50.00	37.62	L1	10	2.38
13.730000	16.42	50.00	33.58	L1	10	6.42

AC Input Port/ Voltage: 120V/60Hz

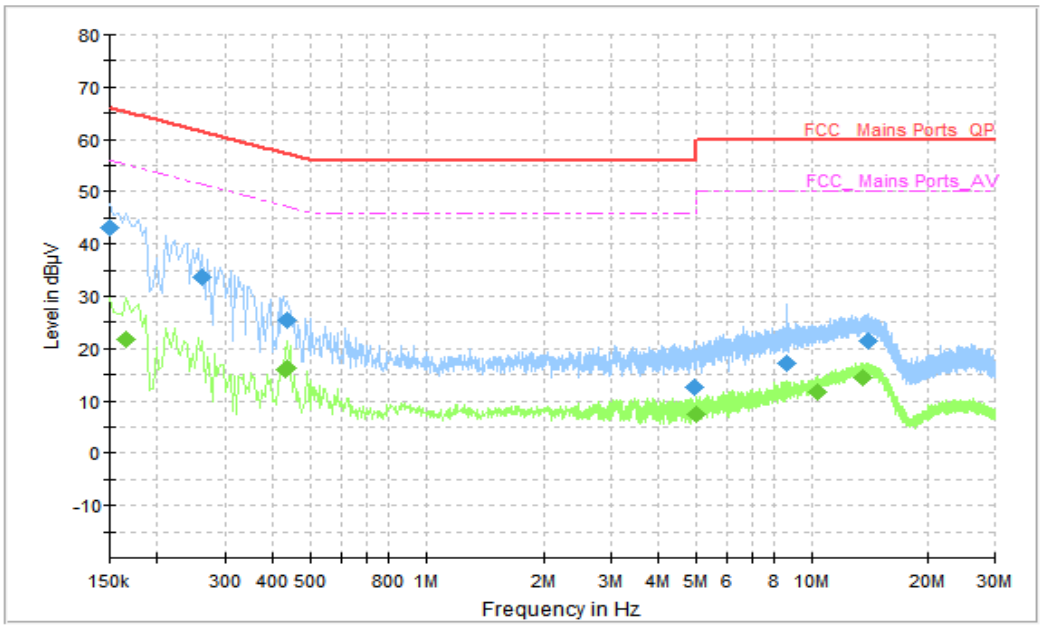


Figure A.2.3 Conducted Emission(Bluetooth)

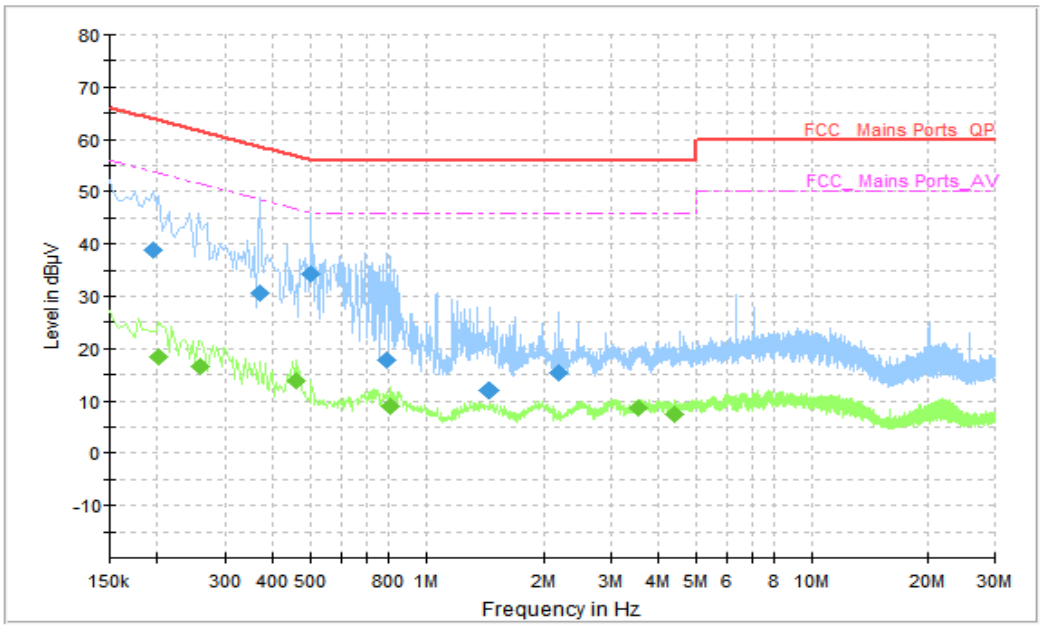
Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	43.14	66.00	22.86	L1	10	33.14
0.262000	33.59	61.37	27.77	N	10	23.59
0.434000	25.30	57.18	31.87	N	10	15.30
4.934000	12.75	56.00	43.25	N	10	2.75
8.574000	17.08	60.00	42.92	L1	10	7.08
14.074000	21.36	60.00	38.64	L1	10	11.36

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.166000	21.64	55.16	33.52	N	10	11.64
0.430000	15.89	47.25	31.36	N	10	5.89
0.434000	16.41	47.18	30.77	N	10	6.41
4.998000	7.52	46.00	38.48	N	10	-2.48
10.302000	11.84	50.00	38.16	L1	10	1.84
13.538000	14.45	50.00	35.55	L1	10	4.45

AC Input Port/ Voltage: 240V/60Hz



Conducted Emission(Bluetooth)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.194000	38.80	63.86	25.07	N	10	28.80
0.370000	30.49	58.50	28.01	N	10	20.49
0.502000	34.33	56.00	21.67	N	10	24.33
0.794000	17.70	56.00	38.30	N	10	7.70
1.450000	11.90	56.00	44.10	N	10	1.9
2.190000	15.22	56.00	40.78	L1	10	5.22

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.202000	18.41	53.53	35.11	N	10	8.41
0.258000	16.54	51.50	34.95	N	10	6.54
0.458000	13.83	46.73	32.90	N	10	3.83
0.810000	8.99	46.00	37.01	N	10	-1.01
3.550000	8.67	46.00	37.33	N	10	-1.33
4.370000	7.33	46.00	38.68	N	10	-2.67

AC Input Port/ Voltage: 240V/60Hz

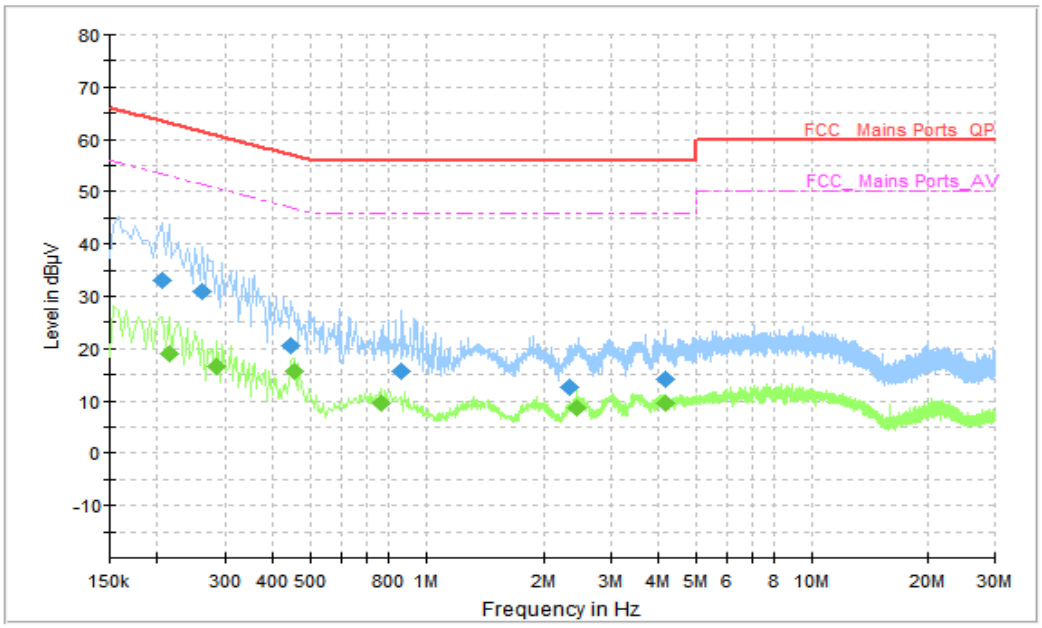


Figure A.2.4 Conducted Emission(Bluetooth)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.206000	33.10	63.37	30.26	N	10	23.10
0.262000	30.93	61.37	30.43	N	10	20.93
0.442000	20.43	57.02	36.59	N	10	10.43
0.866000	15.71	56.00	40.29	N	10	5.71
2.330000	12.69	56.00	43.31	N	10	2.69
4.142000	14.21	56.00	41.79	N	10	4.21

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.214000	18.90	53.05	34.15	N	10	8.90
0.286000	16.55	50.64	34.09	N	10	6.55
0.454000	15.67	46.80	31.14	N	10	5.67
0.766000	9.51	46.00	36.49	N	10	-0.49
2.442000	8.70	46.00	37.30	N	10	-1.3
4.138000	9.44	46.00	36.56	N	10	-0.56

AC Input Port/ Voltage: 240V/60Hz

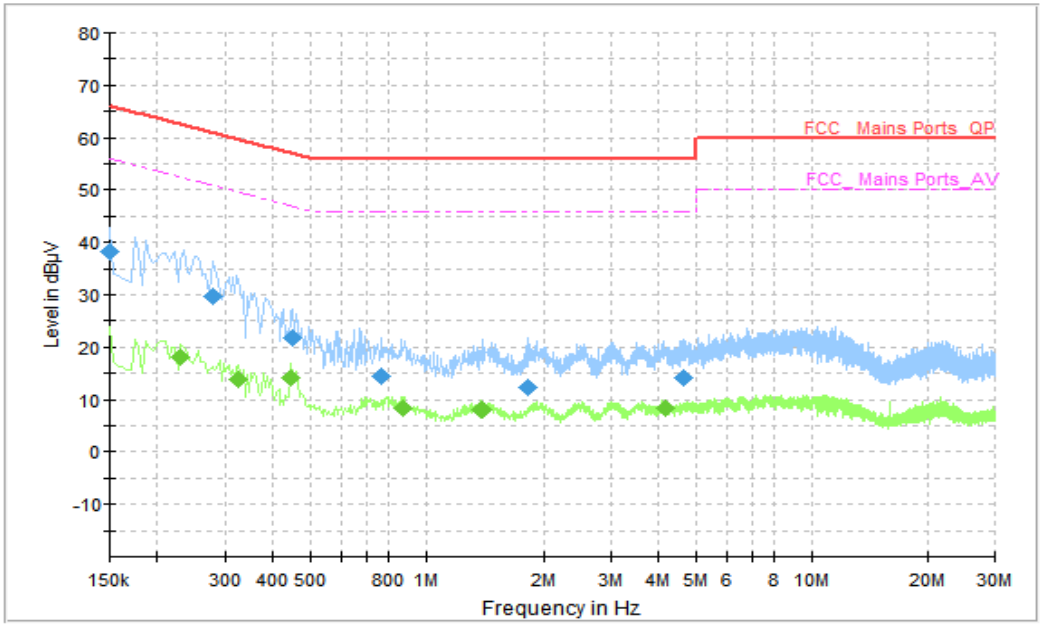


Figure A.2.5 Conducted Emission(Bluetooth)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	38.12	66.00	27.88	L1	10	28.12
0.278000	29.78	60.88	31.09	L1	10	19.78
0.450000	21.80	56.88	35.08	L1	10	11.80
0.766000	14.52	56.00	41.48	N	10	4.52
1.830000	12.32	56.00	43.68	L1	10	2.32
4.618000	14.19	56.00	41.81	N	10	4.19

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.230000	18.15	52.45	34.30	N	10	8.15
0.326000	13.98	49.55	35.57	N	10	3.98
0.446000	14.08	46.95	32.87	N	10	4.08
0.870000	8.34	46.00	37.66	N	10	-1.66
1.386000	8.16	46.00	37.84	N	10	-1.84
4.154000	8.25	46.00	37.75	N	10	-1.75

*****END OF REPORT*****