Bluetooth (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger (First source)		
		bluetooth	Idle	
0.15 to 0.5	66 to 56	Fig.B.10.1	Fig. B.10.2	P
0.5 to 5	56			
5 to 30	60			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Bluetooth (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With charger (First source)		
		bluetooth	Idle	
0.15 to 0.5	56 to 46	Fig.B.10.1	Fig. B.10.2	P
0.5 to 5	46			
5 to 30	50			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Bluetooth (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger (Second source)		
		bluetooth	Idle	
0.15 to 0.5	67 to 56	Fig.B.10.3	/	P
0.5 to 5	56			
5 to 30	60			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Bluetooth (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With charger (Second source)		
		bluetooth	Idle	
0.15 to 0.5	56 to 46	Fig.B.10.3	/	P
0.5 to 5	46			
5 to 30	50			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Conclusion: Pass

Test graphs as below:

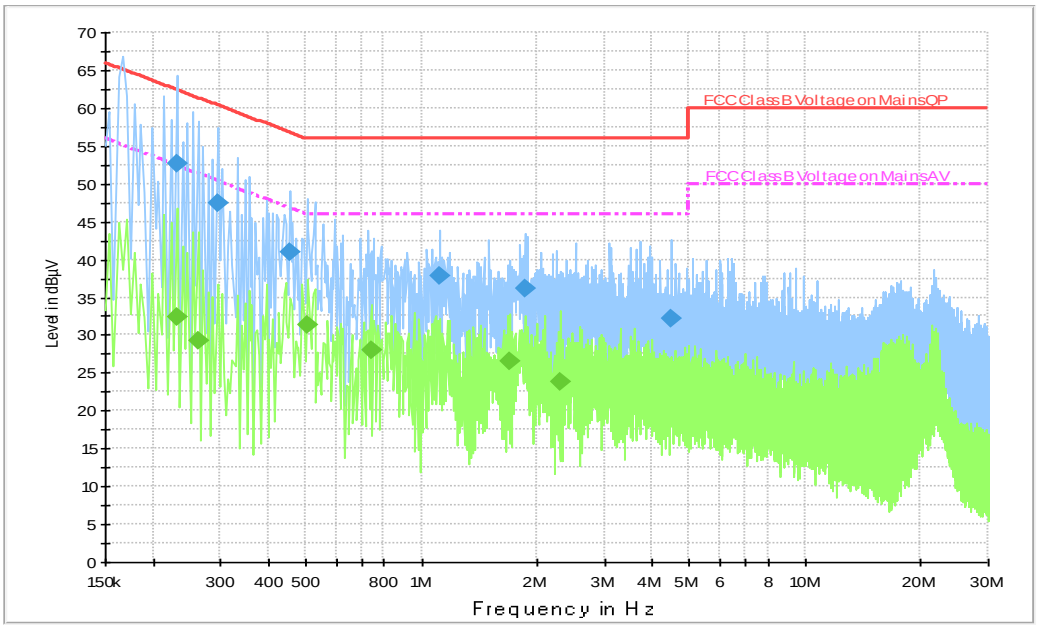

Fig.B.10.1 AC Powerline Conducted Emission- bluetooth(First source)

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.230000	52.7	2000.0	9.000	On	L1	19.7	9.8	62.4
0.294000	47.4	2000.0	9.000	On	L1	19.7	13.0	60.4
0.454000	40.9	2000.0	9.000	On	N	19.8	15.9	56.8
1.114000	37.7	2000.0	9.000	On	N	19.6	18.3	56.0
1.858000	36.2	2000.0	9.000	On	N	19.6	19.8	56.0
4.490000	32.1	2000.0	9.000	On	N	19.6	23.9	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.230000	32.5	2000.0	9.000	On	L1	19.7	20.0	52.4
0.262000	29.3	2000.0	9.000	On	L1	19.7	22.1	51.4
0.506000	31.4	2000.0	9.000	On	L1	19.8	14.6	46.0
0.738000	27.9	2000.0	9.000	On	L1	19.7	18.1	46.0
1.698000	26.5	2000.0	9.000	On	L1	19.6	19.5	46.0
2.298000	23.8	2000.0	9.000	On	L1	19.6	22.2	46.0

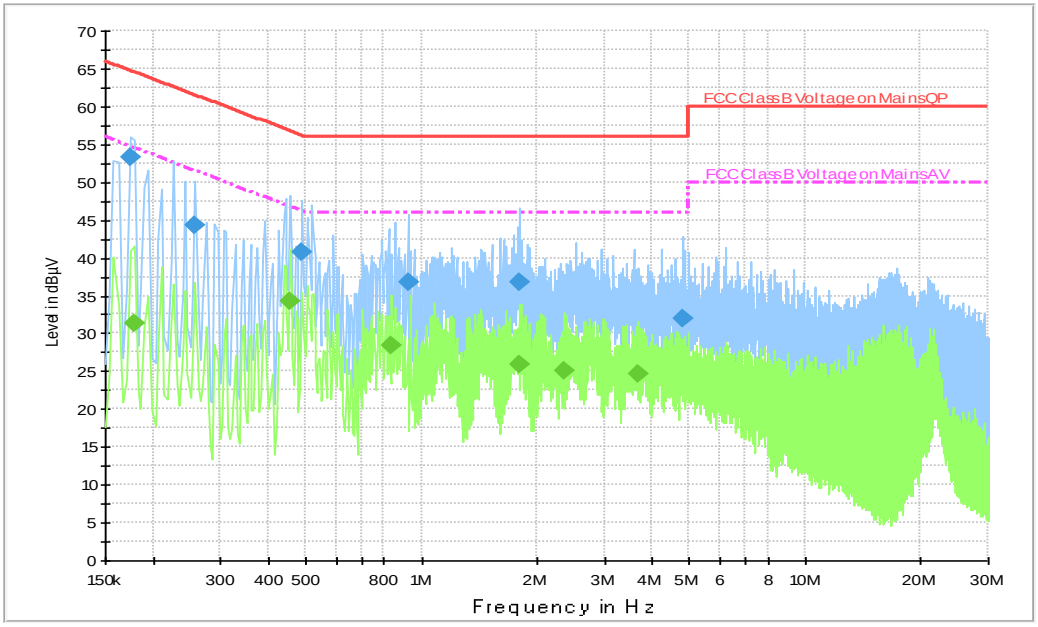

Fig.B.10.2 AC Powerline Conducted Emission-Idle(First source)

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	53.2	2000.0	9.000	On	N	19.7	11.5	64.8
0.258000	44.3	2000.0	9.000	On	N	19.7	17.2	61.5
0.490000	40.7	2000.0	9.000	On	N	19.8	15.5	56.2
0.922000	36.7	2000.0	9.000	On	N	19.7	19.3	56.0
1.798000	36.9	2000.0	9.000	On	N	19.6	19.2	56.0
4.786000	31.9	2000.0	9.000	On	N	19.6	24.1	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.178000	31.3	2000.0	9.000	On	L1	19.7	23.2	54.6
0.454000	34.4	2000.0	9.000	On	L1	19.8	12.4	46.8
0.834000	28.5	2000.0	9.000	On	L1	19.7	17.5	46.0
1.798000	26.0	2000.0	9.000	On	N	19.6	20.0	46.0
2.366000	25.1	2000.0	9.000	On	L1	19.6	20.9	46.0
3.670000	24.7	2000.0	9.000	On	L1	19.6	21.3	46.0

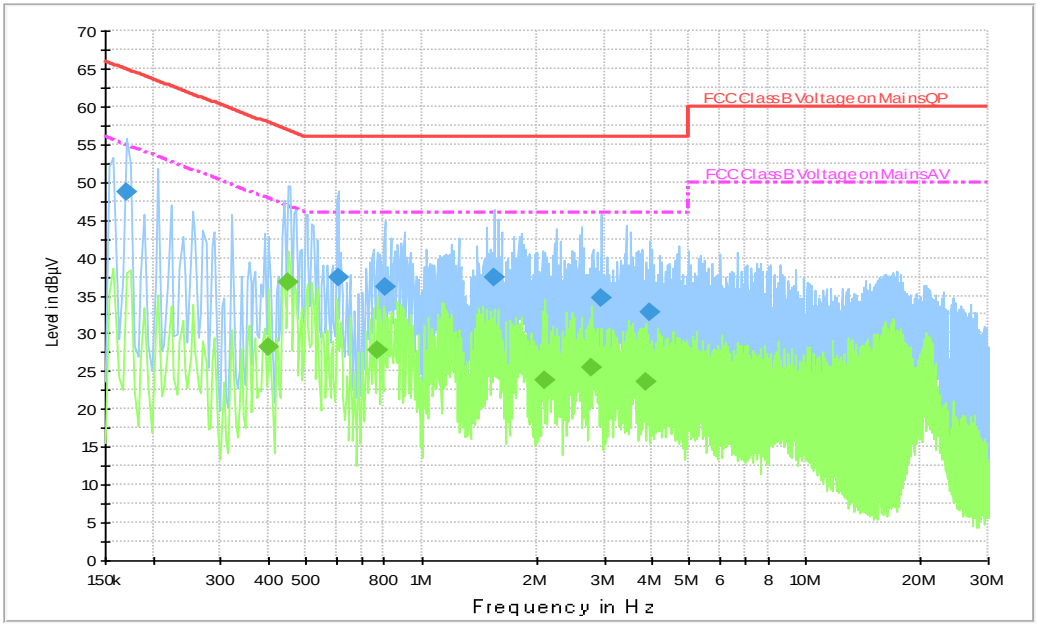

Fig.B.10.3 AC Powerline Conducted Emission- bluetooth(Second source)

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.170000	48.7	2000.0	9.000	On	N	19.7	16.2	65.0
0.606000	37.5	2000.0	9.000	On	L1	19.8	18.5	56.0
0.802000	36.1	2000.0	9.000	On	N	19.7	19.9	56.0
1.550000	37.5	2000.0	9.000	On	N	19.6	18.5	56.0
2.938000	34.7	2000.0	9.000	On	N	19.6	21.3	56.0
3.954000	32.9	2000.0	9.000	On	N	19.6	23.1	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.402000	28.1	2000.0	9.000	On	L1	19.8	19.7	47.8
0.450000	36.7	2000.0	9.000	On	L1	19.8	10.2	46.9
0.766000	27.8	2000.0	9.000	On	L1	19.7	18.2	46.0
2.090000	23.8	2000.0	9.000	On	L1	19.6	22.2	46.0
2.790000	25.5	2000.0	9.000	On	L1	19.6	20.5	46.0
3.834000	23.7	2000.0	9.000	On	L1	19.6	22.3	46.0

B.11. Antenna Requirement

The antenna of the device is permanently attached. There are no provisions for connection to an external antenna.
The unit complies with the requirement of FCC Part 15.203.

ANNEX C: Accreditation Certificate

Accredited Laboratory

A2LA has accredited

TELECOMMUNICATION TECHNOLOGY LABS, CAICT

Beijing, People's Republic of China

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 26th day of June 2023.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 7049.01
Valid to July 31, 2024

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

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