

Fig.114. Number of hopping frequencies: 8DPSK, Channel 0 - 39

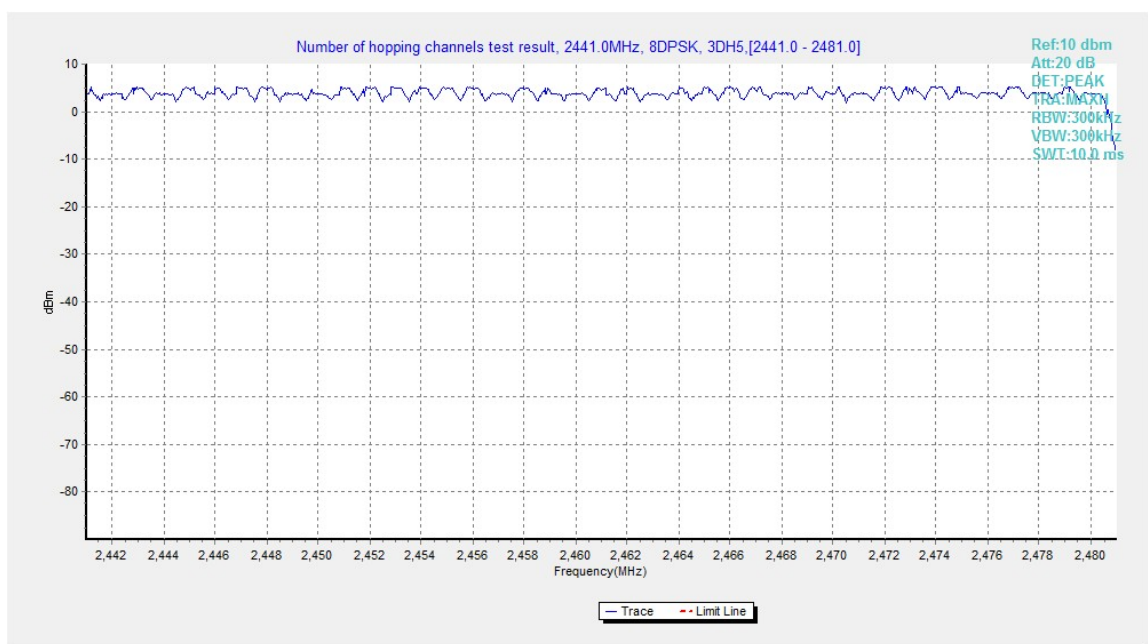


Fig.115. Number of hopping frequencies: 8DPSK, Channel 40 - 78

**A.10. AC Powerline Conducted Emission****Test Condition**

Voltage (V)	Frequency (Hz)
120	60

**Measurement Result and limit:****Bluetooth (Quasi-peak Limit)**

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Conclusion
0.15 to 0.5	66 to 56	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 (dB $\mu$ V)	Conclusion
0.15 to 0.5	56 to 46	P
0.5 to 5	46	
5 to 30	50	

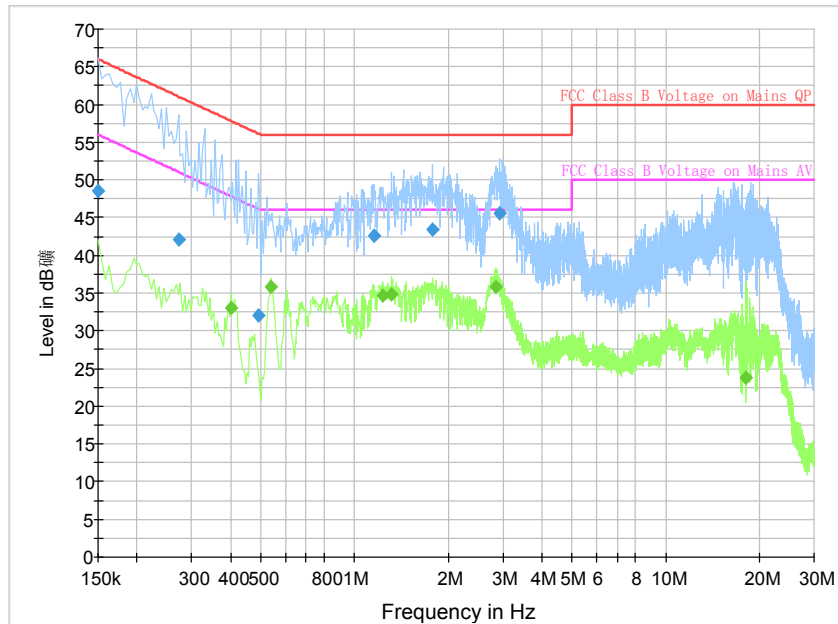
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

The measurement is made according to ANSI C63.10

**Conclusion: PASS**

**Test graphs as below:**

## Traffic: Set.10



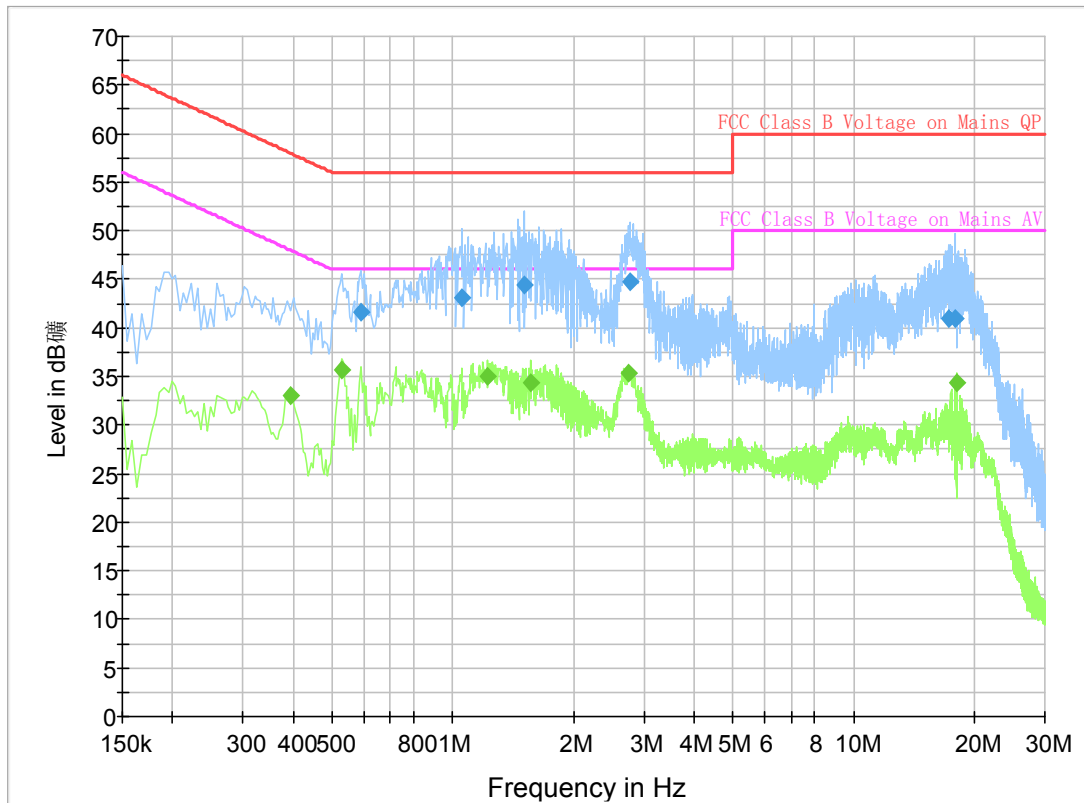
## Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	48.5	GND	L1	20.2	17.5	66.0
0.271500	42.1	GND	L1	19.8	18.9	61.1
0.492000	32.0	GND	L1	19.9	24.1	56.1
1.153500	42.6	GND	L1	19.7	13.4	56.0
1.779000	43.4	GND	N	19.7	12.6	56.0
2.935500	45.6	GND	N	19.0	10.4	56.0

## Final Result 2

Frequency (MHz)	Average (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.402000	33.1	GND	L1	19.9	14.8	47.8
0.537000	35.9	GND	L1	19.9	10.1	46.0
1.234500	34.7	GND	L1	19.7	11.3	46.0
1.315500	34.8	GND	N	19.7	11.2	46.0
2.841000	35.8	GND	N	18.9	10.2	46.0
18.123000	23.9	GND	N	19.9	26.1	50.0

**Traffic: Set.11**



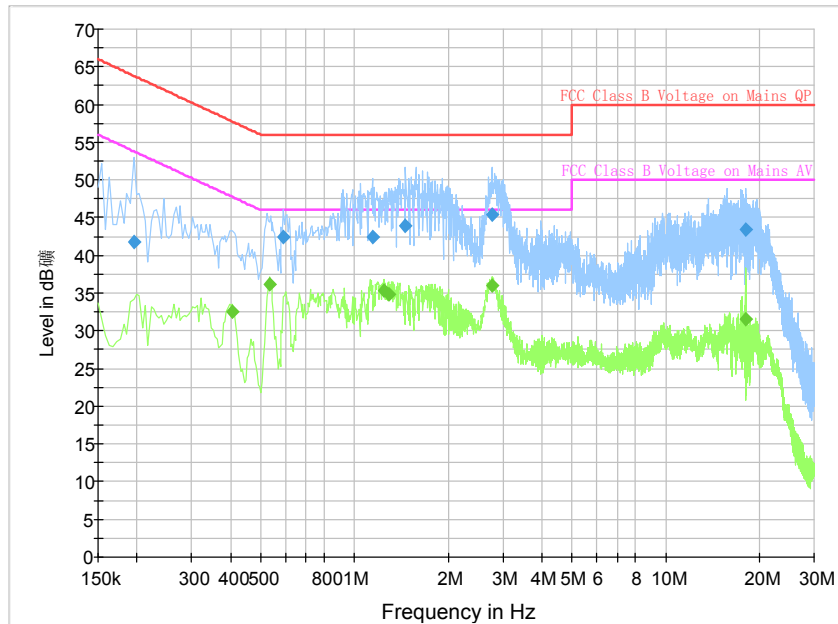
**Final Result 1**

Frequency (MHz)	QuasiPeak (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.591000	41.6	GND	L1	19.8	14.4	56.0
1.054500	43.1	GND	L1	19.7	12.9	56.0
1.509000	44.4	GND	L1	19.7	11.6	56.0
2.769000	44.7	GND	N	18.9	11.3	56.0
17.200500	41.0	GND	N	19.9	19.0	60.0
17.893500	41.0	GND	L1	19.9	19.0	60.0

**Final Result 2**

Frequency (MHz)	Average (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.393000	32.9	GND	L1	19.9	15.1	48.0
0.528000	35.7	GND	N	19.9	10.3	46.0
1.221000	35.0	GND	L1	19.7	11.0	46.0
1.567500	34.4	GND	L1	19.7	11.6	46.0
2.746500	35.3	GND	N	19.1	10.7	46.0
18.042000	34.4	GND	L1	19.9	15.6	50.0

Idle: Set.10



## Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.195000	41.8	GND	N	19.8	22.0	63.8
0.591000	42.4	GND	N	19.8	13.6	56.0
1.144500	42.4	GND	L1	19.7	13.6	56.0
1.459500	44.0	GND	N	19.7	12.0	56.0
2.760000	45.3	GND	L1	19.0	10.7	56.0
18.073500	43.5	GND	N	19.9	16.5	60.0

## Final Result 2

Frequency (MHz)	Average (dBμV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.406500	32.5	GND	N	19.9	15.2	47.7
0.532500	36.2	GND	N	19.9	9.8	46.0
1.243500	35.3	GND	L1	19.7	10.7	46.0
1.288500	34.9	GND	N	19.7	11.1	46.0
2.764500	35.9	GND	N	19.0	10.1	46.0
18.078000	31.5	GND	L1	19.9	18.5	50.0

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