



RF INTERFERENCE PRODUCT REVIEW

Document No: R-LP-001
Category: Lighting, Portable
Power source: 12VDC
Description: 6300 Lumen 6.5" LED Driving Light, Marine grade
Supplier: Jaycar
Model & Part code: Cat No. SL3920
Assessment by: Ian Jackson, VK3BUF

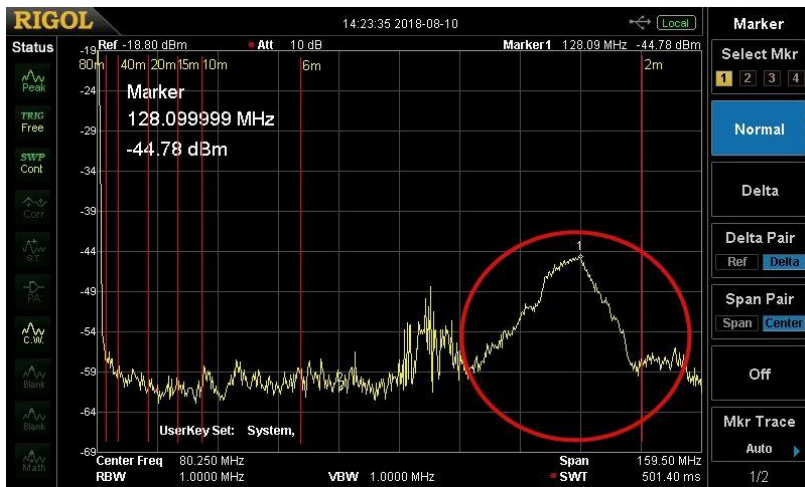
Please note:

While this electromagnetic interference analysis has been carried out under controlled conditions, these are subjective reviews conducted on single product samples and results may vary. Purchasers and users of these products should form their own conclusions about the appropriate use of any items reviewed in these reports.

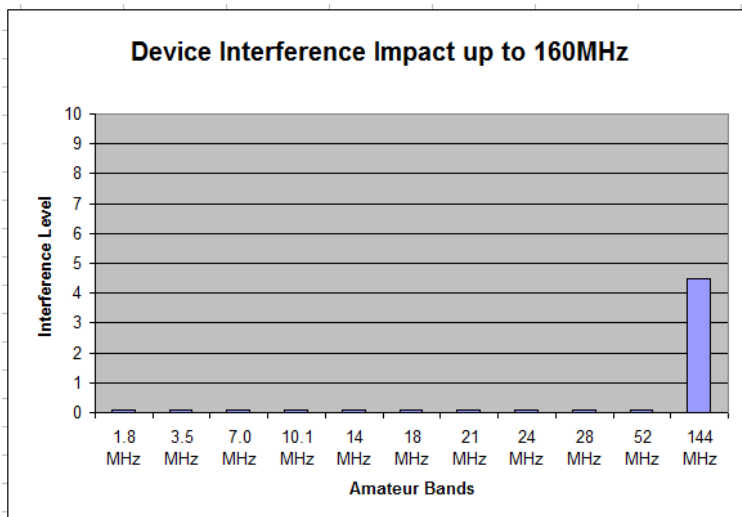
Comment

This is a popular LED driving light/spotlight for marine and off-road use. Unfortunately they wipe out the 2 metre band when in use. Other bands appear unaffected. This test was carried outdoors on an actual vehicle, Interference is particularly bad in the 120-140MHz area (circled) A video recording was made of this review, available on You Tube.

Follow the link: <https://www.youtube.com/watch?v=g8O3YBbNrqY>



Interference is circled. Other signals are commercial stations.



20dB over 9 noise across 2 metres

Recommendation:
Do not use near 2 metres, fine elsewhere