

## RFI Test Report – Lighting Device

**Manufacturer:** GE

**Model:** Classic 65W eq BR30 Dimmable LED flood

Model number: LED10DBR305K2PLT

<https://consumer.gelighting.com/catalog/p/39127>

Description: LED BR30 flood, indoor, medium base, daylight

Purchased from: Lowes

Price: \$10 (2-pack)

Test equipment: Isolation transformer, 50 uH LISN, HP 8560A with 20 dB preamp, Tek TDS320A. Note: Spectrum spikes around 100 MHz are FM band leakage.

Tested by: Gary Johnson, NA6O Date: Mar 18, 2019

### Summary

Recommend for amateur radio stations: YES, excellent.

FCC Part 15 conducted emissions: Compliant.

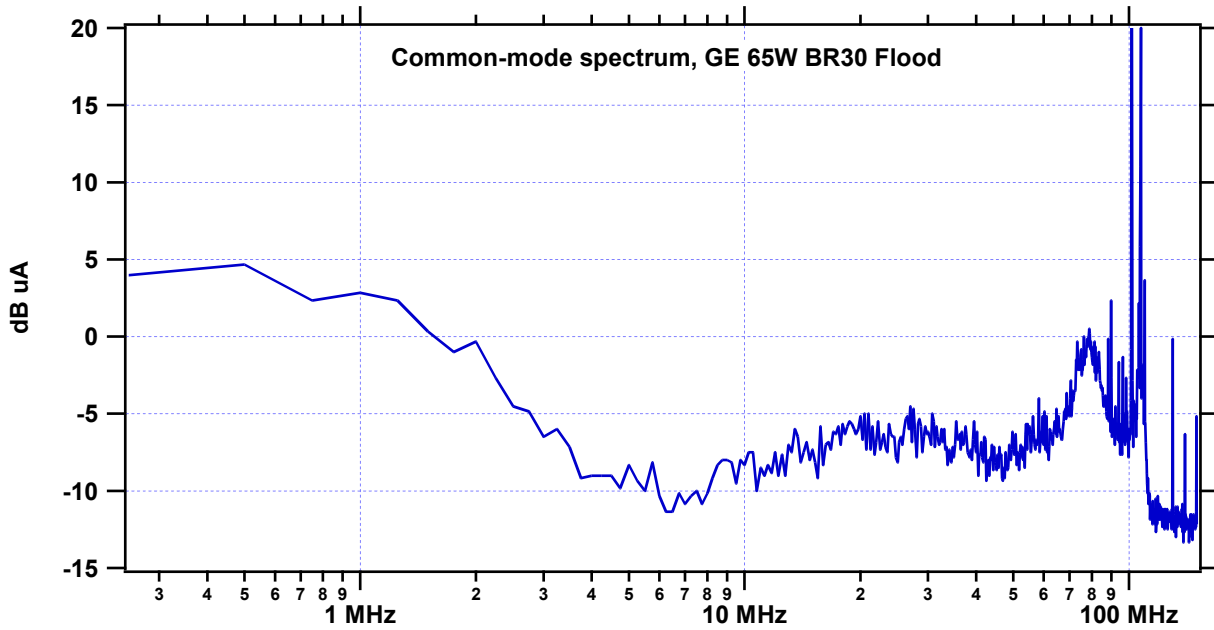
FCC Part 15 labeling: Compliant, listed on package only.

### Observations:

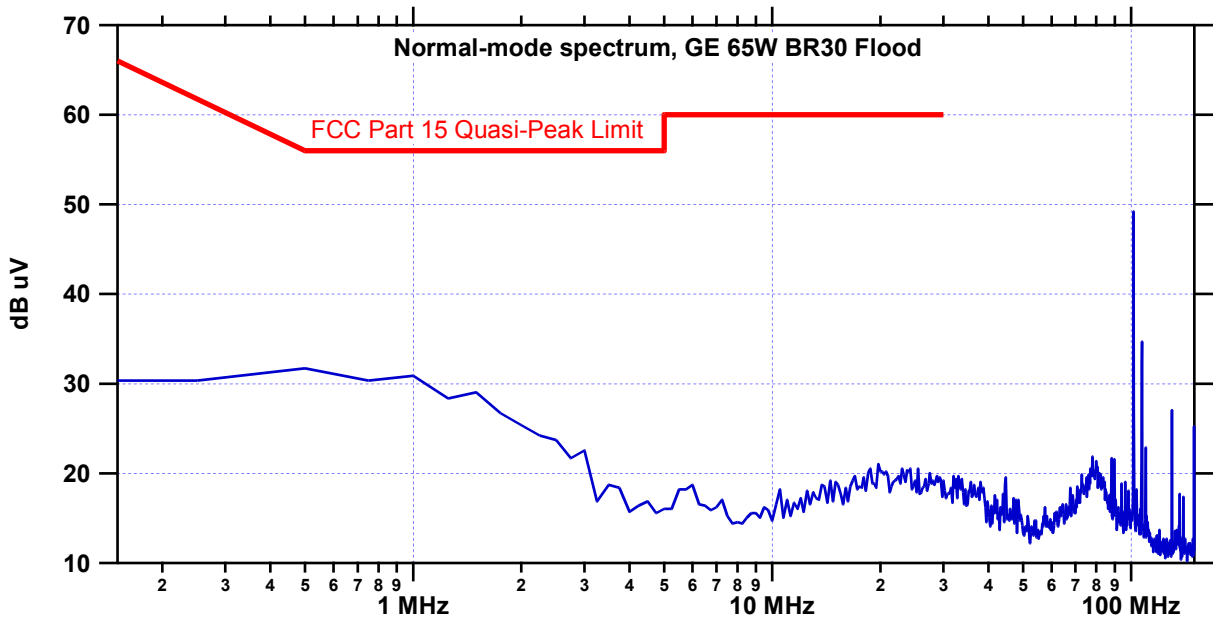
Switching frequency 63 kHz. Normal-mode noise easily meets FCC Part 15. Waveform entirely free of high-speed glitches. Common-mode noise increases somewhat below 3.5 MHz. Low VHF noise. This bulb was nearly undetectable with my portable radio in the HF bands. Highly recommended for use at amateur radio stations.



## Common-mode Spectrum



## Normal-mode Spectrum



## Normal-mode Waveform

Peak-detect mode. Bursts are 63 kHz sinewaves, free from distortion. Not a trace of any spikes, thus the lack of VHF energy. This is a very clean waveform compared with some LED bulbs.

