

RFI Measurement of LED Lamp

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Following are the test result of RFI measurement done for LED Lamp.

Test Procedure:

1. Measurement done at 3 meter distance with Rx LPDA antenna.
2. Log periodic antenna with 20dB amplifier used as receiver.
3. We observed RFI in 0-500MHz frequency band for lamp Vertical and Horizontal position.

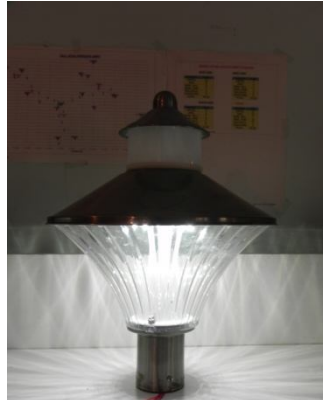
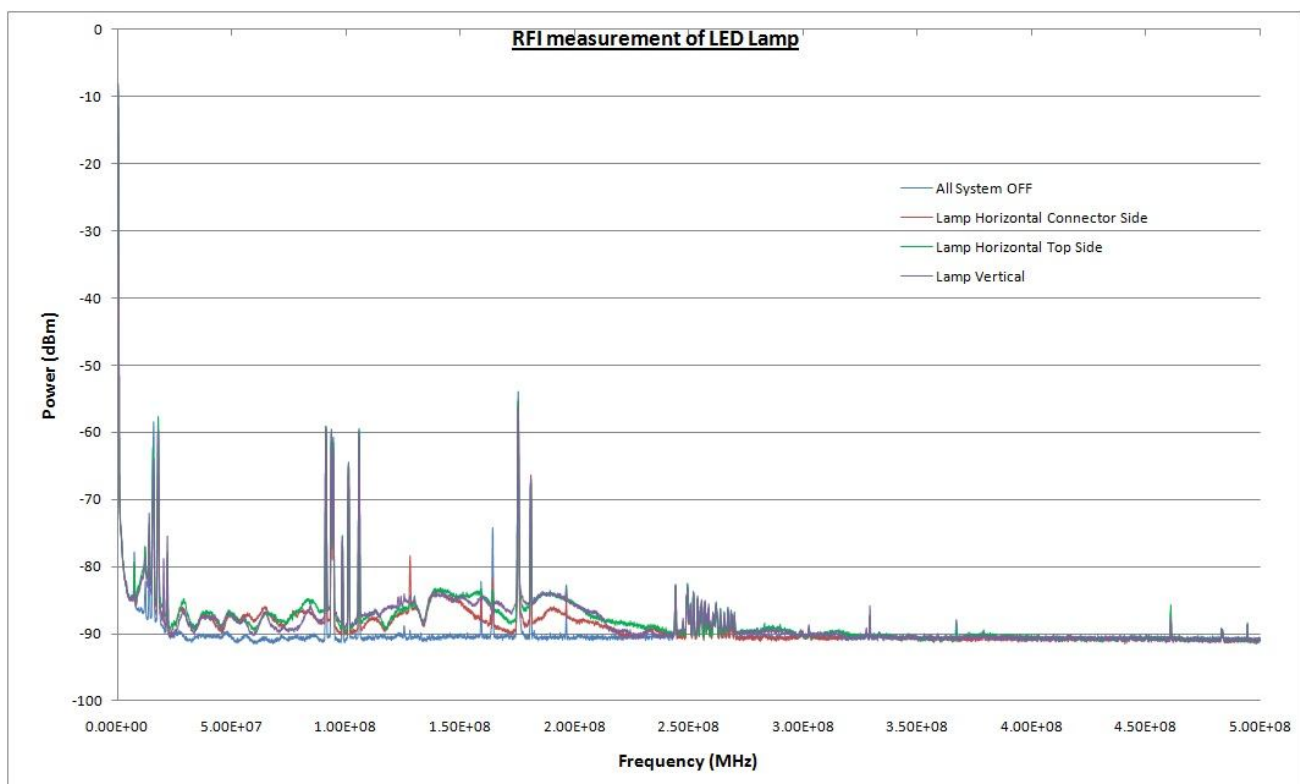


Fig.1 - LED Lamp.

Measurement Result:



Conclusion :-

There is increase in noise floor from 0-300MHz band (including astronomical band 150 MHz). If number of LED lamps increases, could be an increase in the noise floor.