

RFI Measurement of Aviation LED Lamp**By :- SSK, PAR, SBB.**

Following are the test result of RFI measurement done for Aviation light 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, 500-1000MHz and 1000-2000MHz frequency band for lamp Vertical and Horizontal position.
4. The measurement done for three numbers of Aviation light LED lamp.



Fig.1 – Aviation Light LED Lamp.

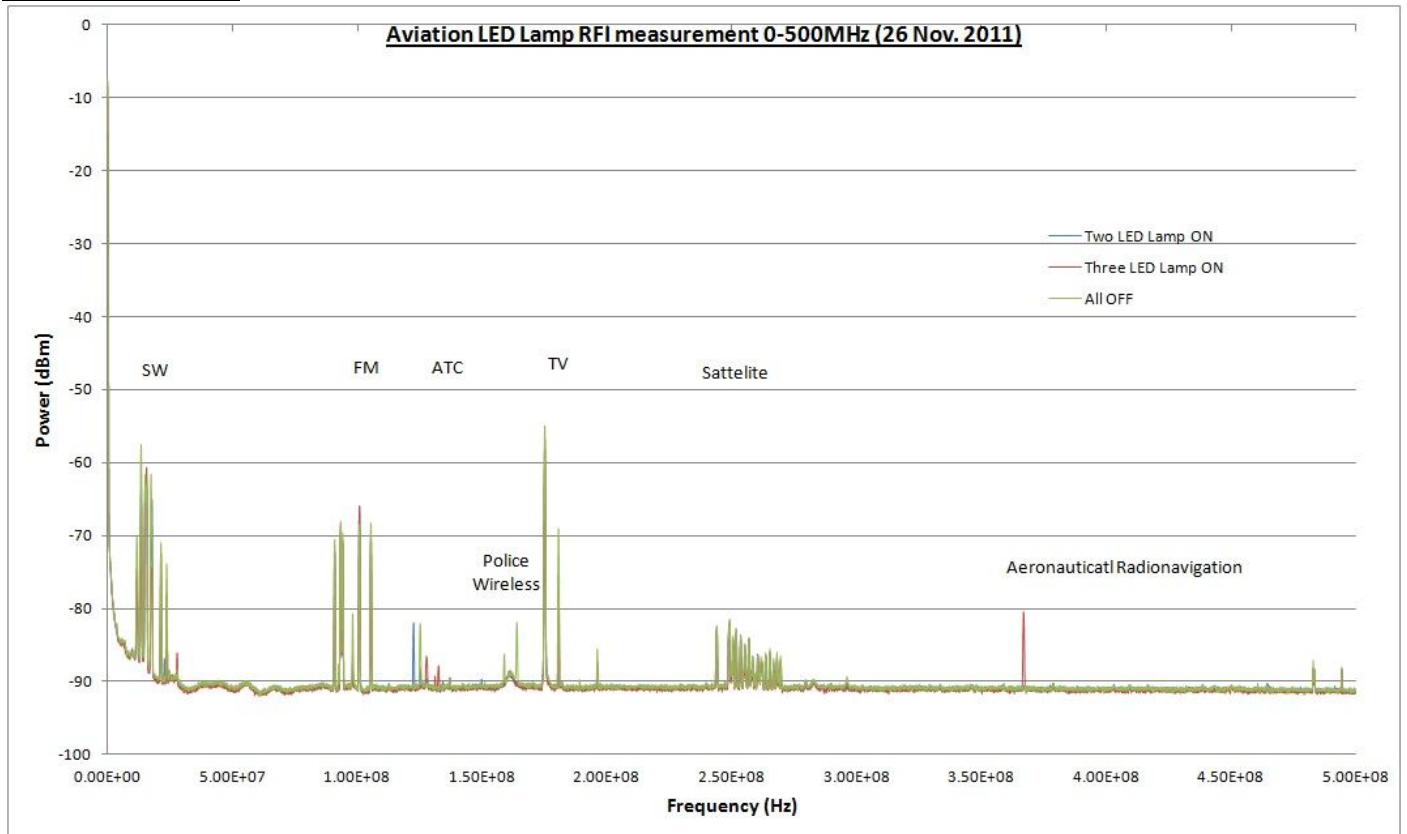
Measurement Result:

Fig. 1 : After power ON aviation lamp there is no interference seen due to the lamp in the 0-500MHz frequency band.

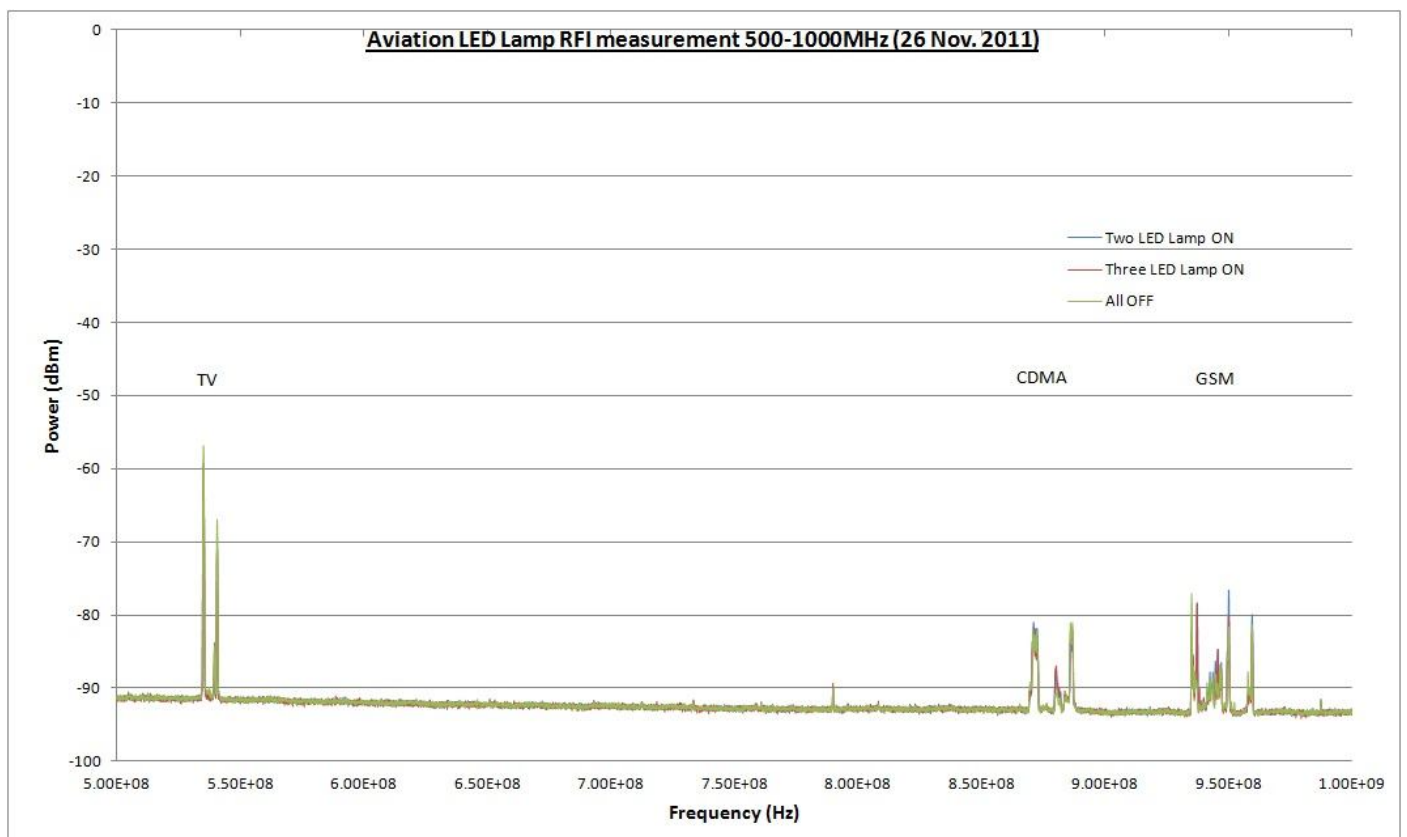


Fig. 2 : After power ON aviation lamp there is no interference seen due to the lamp in the 500-1000MHz frequency band.

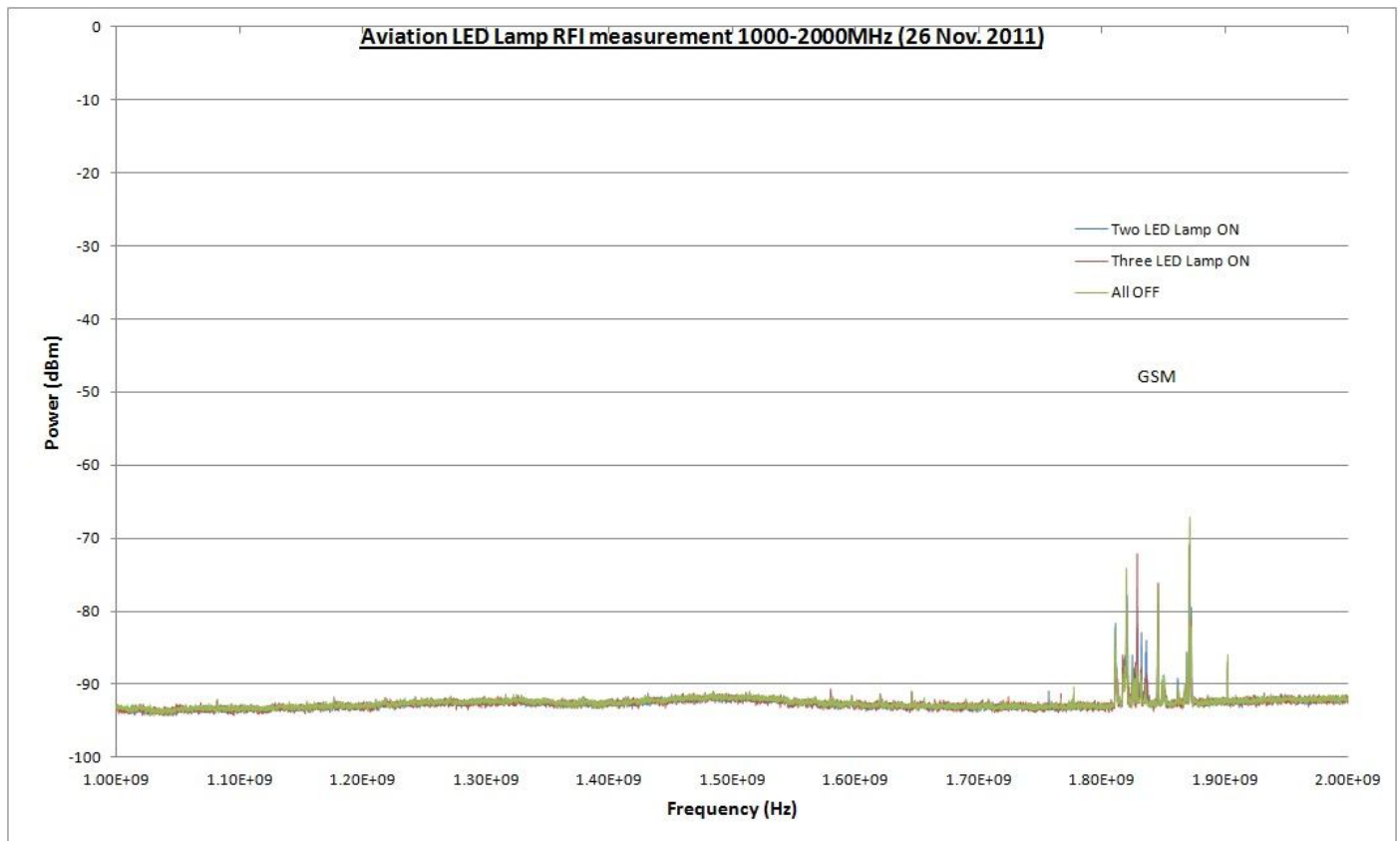


Fig. 3 : After power ON aviation lamp there is no interference seen due to the lamp in the 1000-2000MHz frequency band.

Conclusion :-

There is no changes seen in the frequency spectrum measurement after power ON the aviation light LED lamp.