

RFI Measurement of BLDC System at C-04

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Following are the test result of RFI measurement done for BLDC System at C-04 antenna.

Test Procedure:

1. Measurement done at 20 meter distance apart from C-04 antenna base 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 BLDC System from East, South, West and North direction.

Measurement Result :-

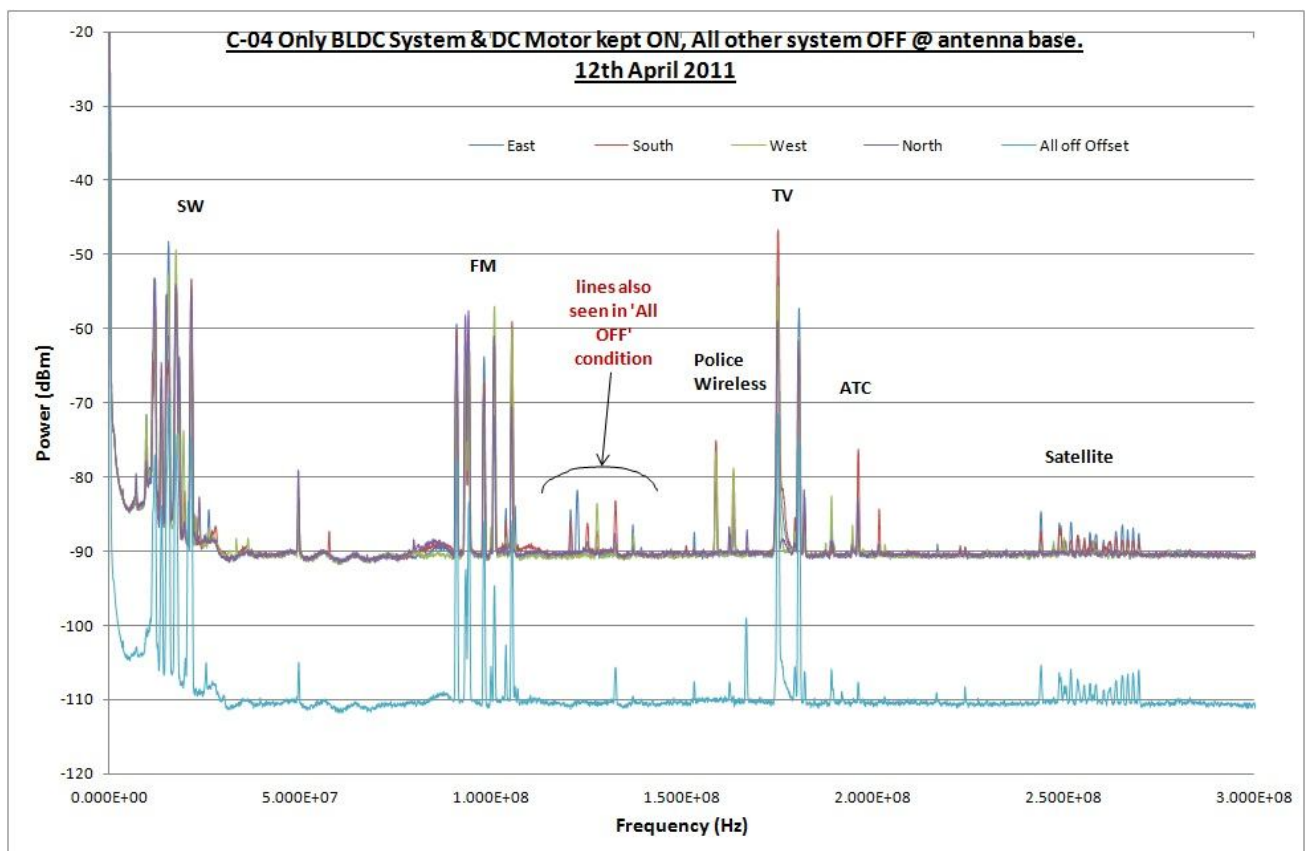


Fig.:1 :- Above figure shows after Power ON BLDC system there is no RFI identified. (Measurement taken at 12th April 2011).

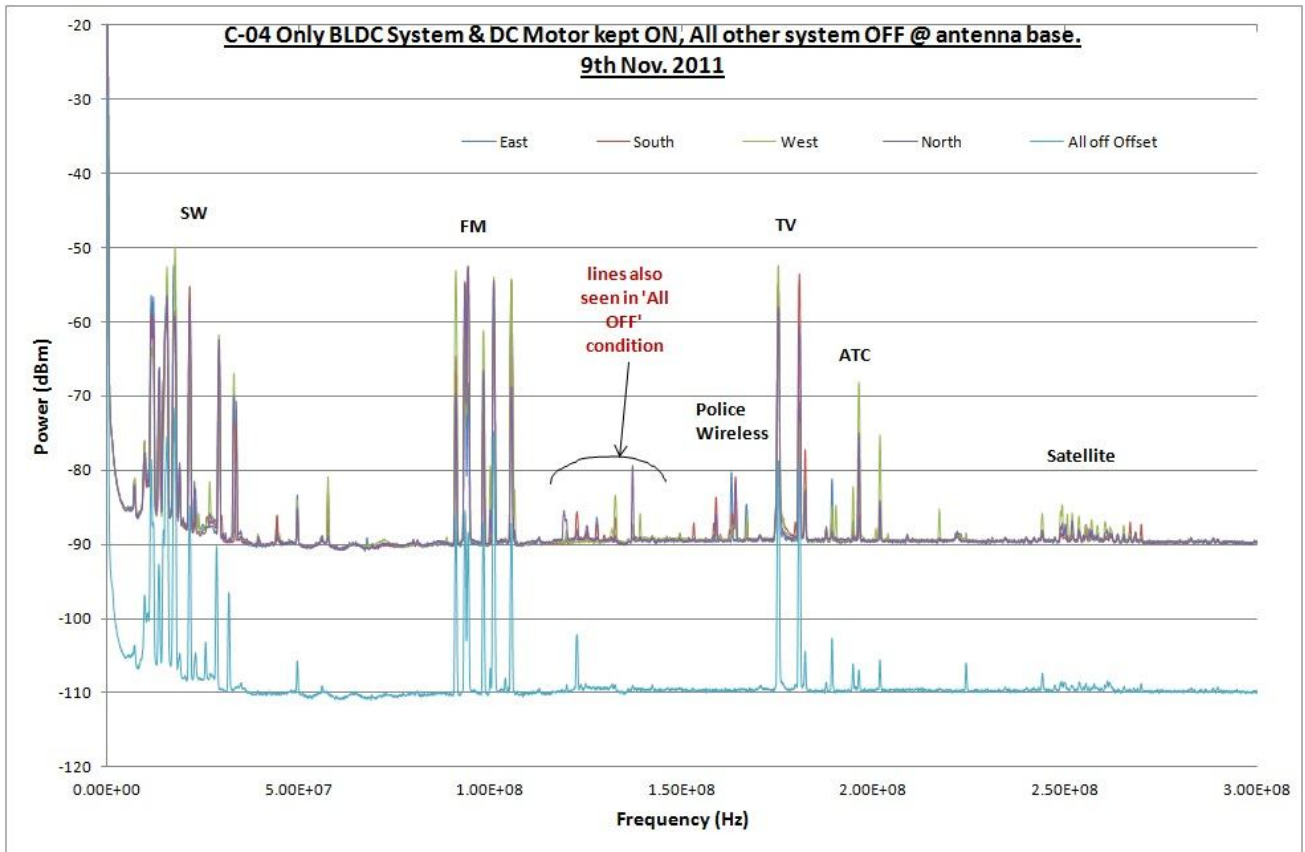


Fig.:2 :- Above figure shows only the commercial RF signal of Short waves, FM, TV signal and Air-traffic control as well as police wireless signals. (Measurement taken at 9th Nov. 2011)

Conclusion :- There is no Radio Frequency Interference seen due to the BLDC System as well as due to the DC Motor at C-04 antenna.