

GMRT & NARAYANGAON MSEB SUBSTATION

RFI MEASUREMENT

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Following are the test result of RFI measurement done at MSEB substation of GMRT & Narayangaon on 31st March 2011.

Test Procedure:

1. Frequency Bands 0-500MHz and 500-1000MHz observed when MSEB power OFF and other observation taken in above mentioned Frequency Bands when MSEB power ON condition. One more measurement taken from the top of GMRT office in same frequency band. For Narayangaon substation we taken only Power ON measurement.
2. Received frequency were measured on R&S Spectrum Analyzer, Log Periodic Antenna used for receiving frequency at 20m distance from MSEB substation in horizontal polarization. Amplifier of 20dB gain used in between Spectrum Analyzer and Log periodic Antenna.

Test Result:

- **There is more noise occurs at the 0-500MHz band when we took measurement in the max. mode. At average mode it is gets disappear.**

- In 500-1000MHz band also some noise seen because off so much RFI from the both MSEB substation.
- For same frequency band observation from the top of GMRT office we did not get much power because of long distance between GMRT MSEB substation and Observation setup.

RFI Measurement Plot :-



