

GRF2051 Evaluation: 1.2 to 1.7 GHz GPS Application

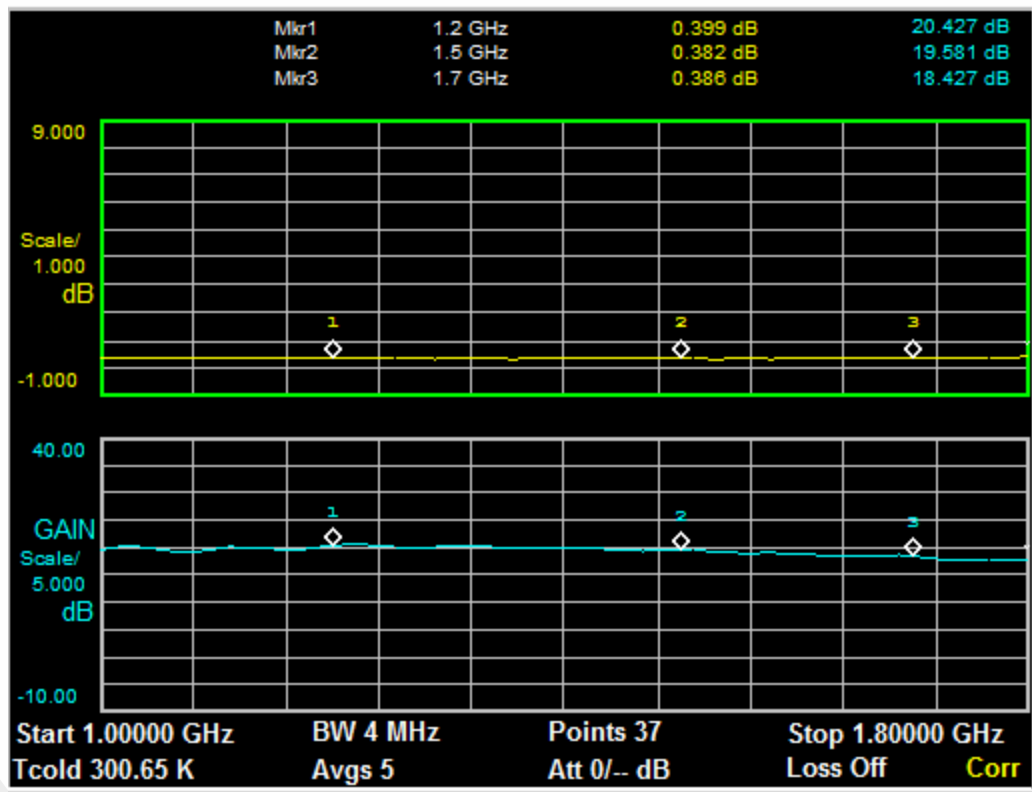
(V_{dd} = V_{enable} = 3.3V / 20 mA)

GRF Applications; 02/26/2016

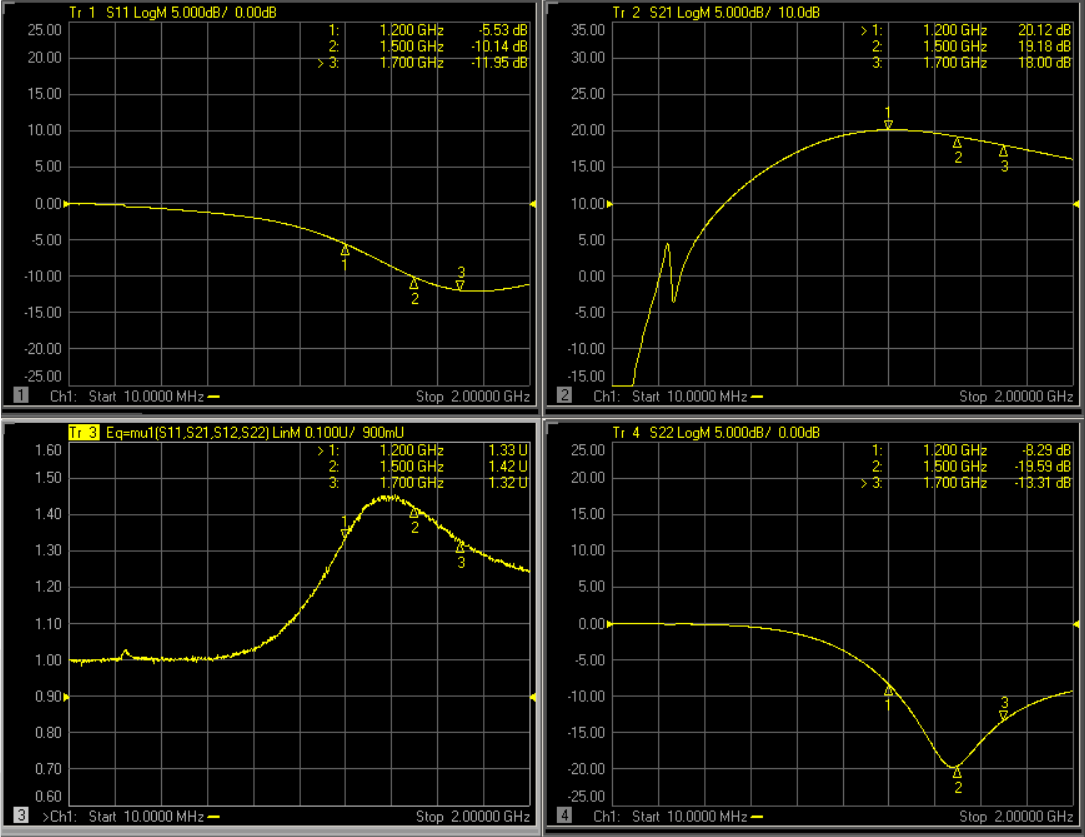
Application Notes:

- Data is presented for the GRF2051 evaluation board at $V_{dd} = V_{enable} = 3.3$ volts and I_{ddq} set to 20 mA.
- The device is tuned for best response over the 1.2 to 1.7 GHz band.
- NF shown is for the entire evaluation board from SMA to SMA connector.
- Increasing I_{ddq} to 25 or 30 mA will result in higher gain and even better NF.
- The Guerrilla RF applications team will modify the device matching as needed based on customer feedback to the responses as shown.

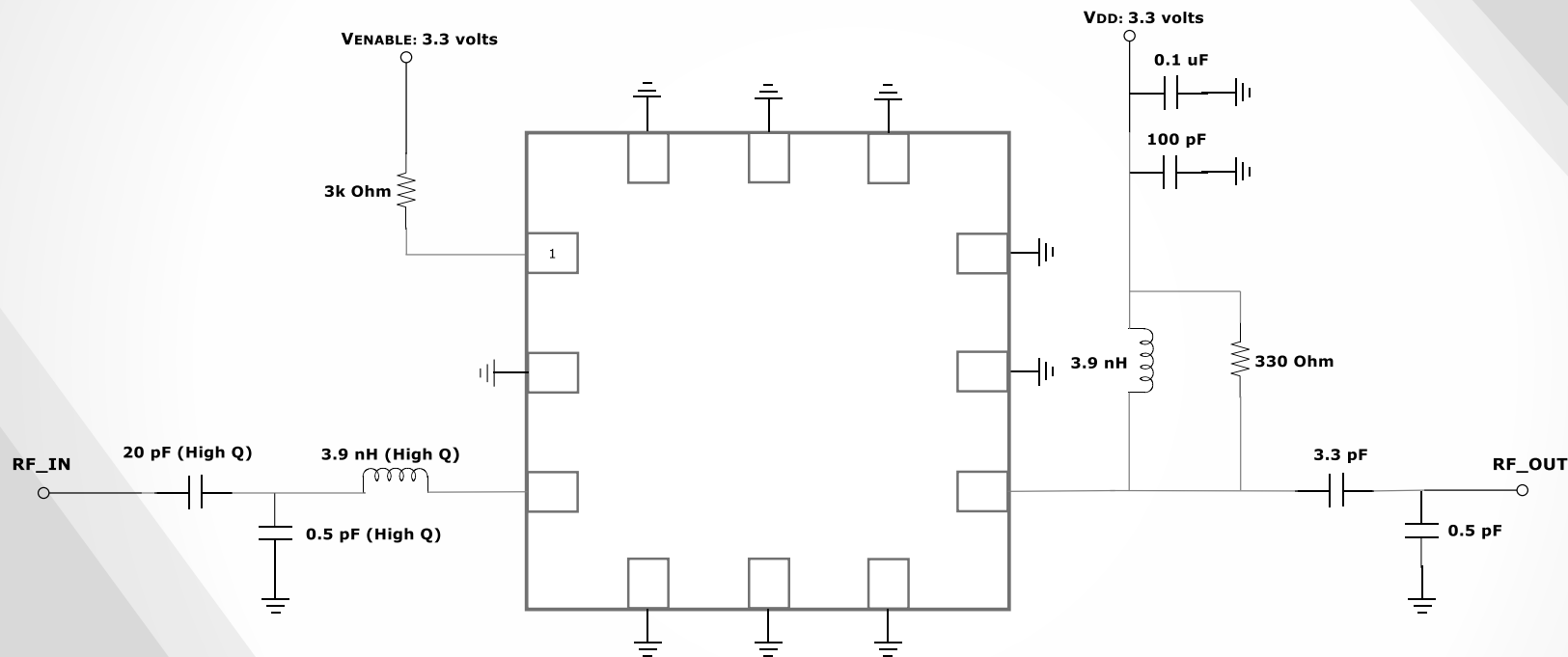
GRF2051 Evaluation Board Noise Figure vs. Frequency: (1.2 to 1.7 GHz Tune: 3.3V/20 mA)



GRF2051 Evaluation Board S-Parameters: (1.2 to 1.7 GHz Tune: 3.3V/20 mA)



GRF2051 Evaluation Board Schematic: (1.2 to 1.7 GHz Tune)





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