

Sep 03, 2015



Absolute maximum ratings

| Parameter | Min | Max |
|----------------------|--------|--------|
| V_{ds} | -0.5 V | 3 V |
| I_{ds} | | 150 mA |
| V_{gs} | -12 V | +12 V |
| V_m | -2.0 V | +0.5 V |
| I_m | -80 mA | |
| RF Input drive level | | 0 dBm |

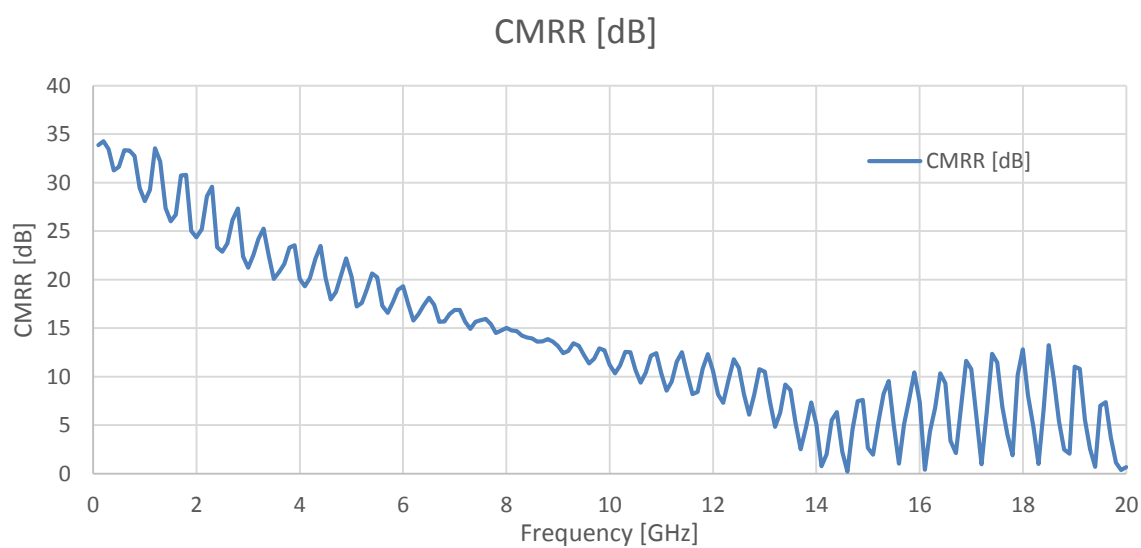
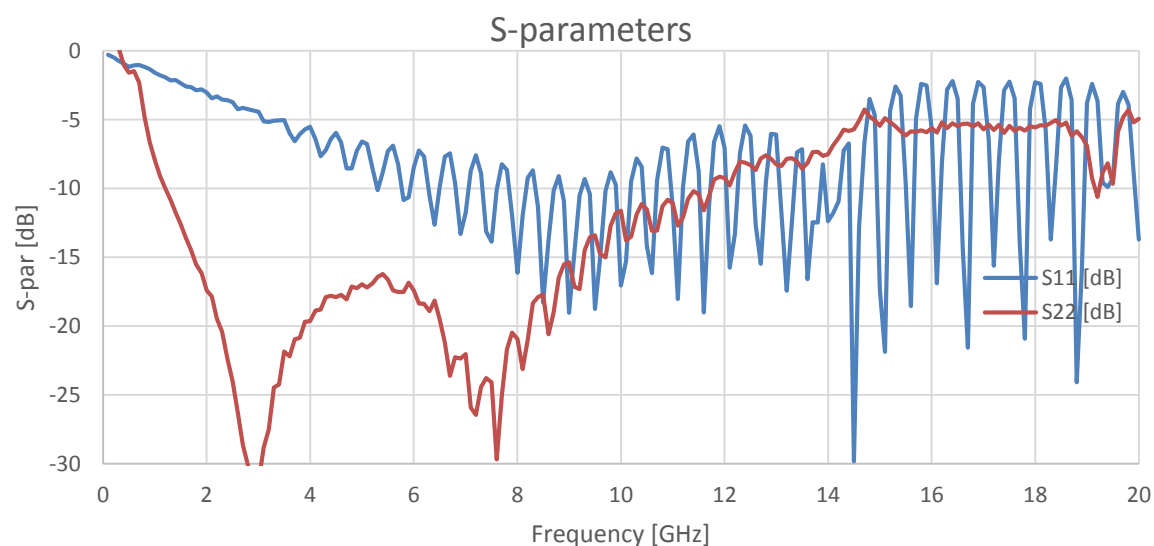
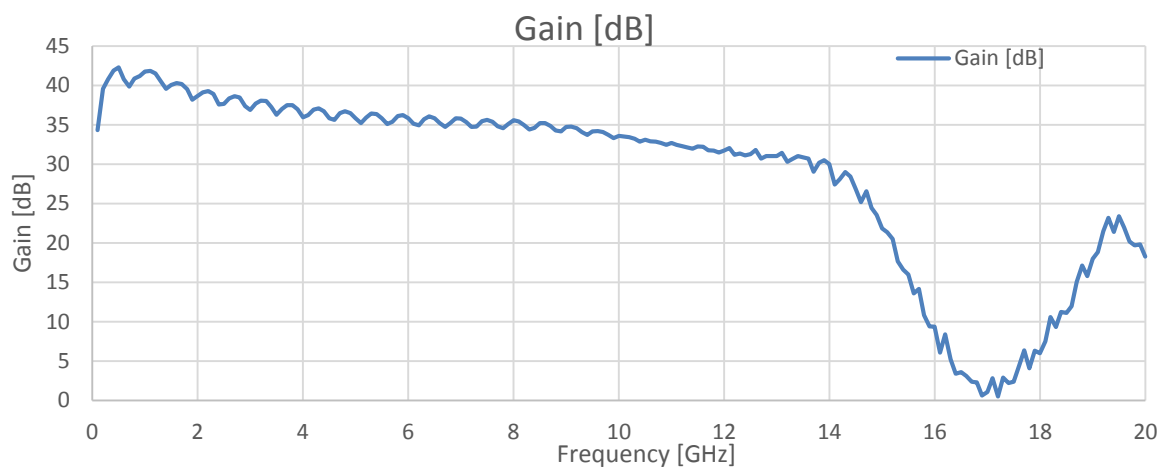
Nominal bias @ 296 K

| Parameter | Value |
|-----------|---------|
| V_{ds} | 2.60 V |
| I_{ds} | 90 mA |
| V_{gs} | -0.84 V |
| V_m | -1.70 V |
| I_m | -57 mA |

Nominal bias @ 65 K

| Parameter | Value |
|-----------|------------------|
| V_{ds} | 1.20 V |
| I_{ds} | 25 mA |
| V_{gs} | |
| V_m | -0.50 V |
| I_m | \approx -17 mA |

Measured data, $T_{amb}=296\text{ K}$



Nano-D panel connector seen from outside the LNA

