

Feb 27, 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

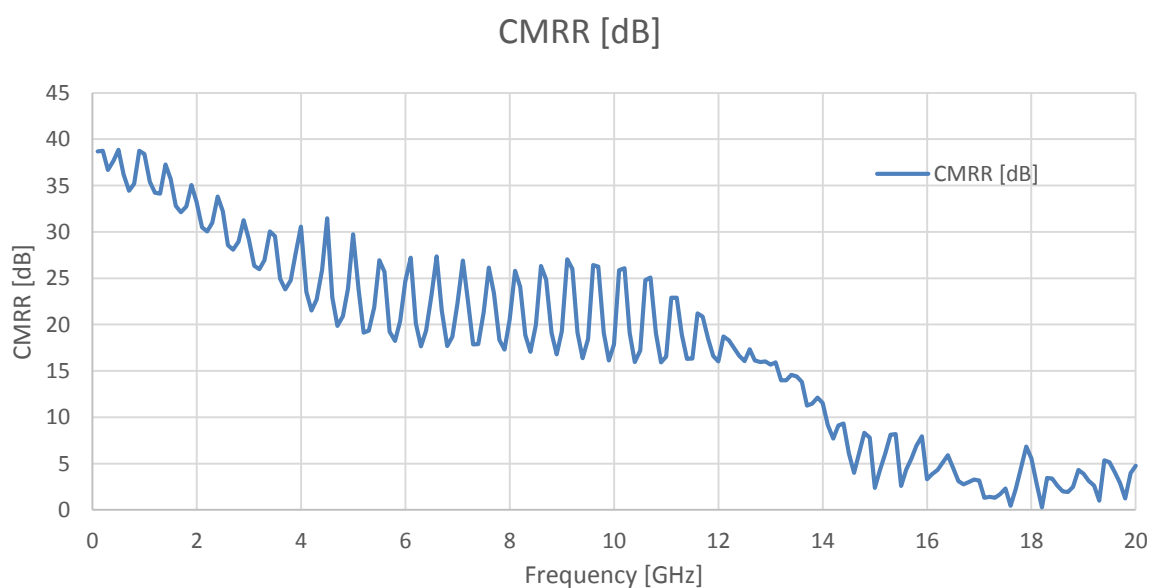
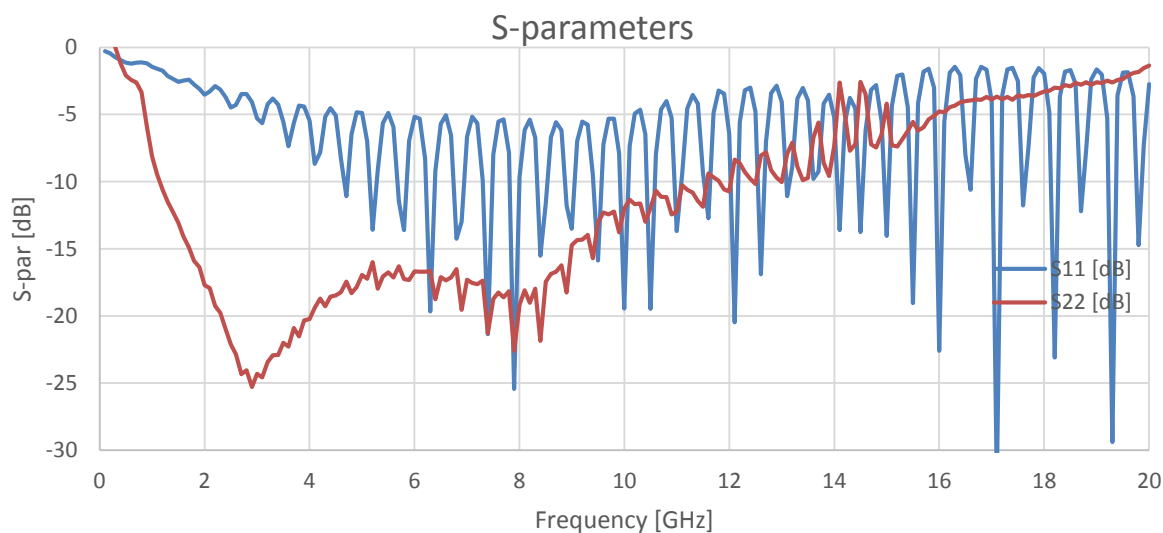
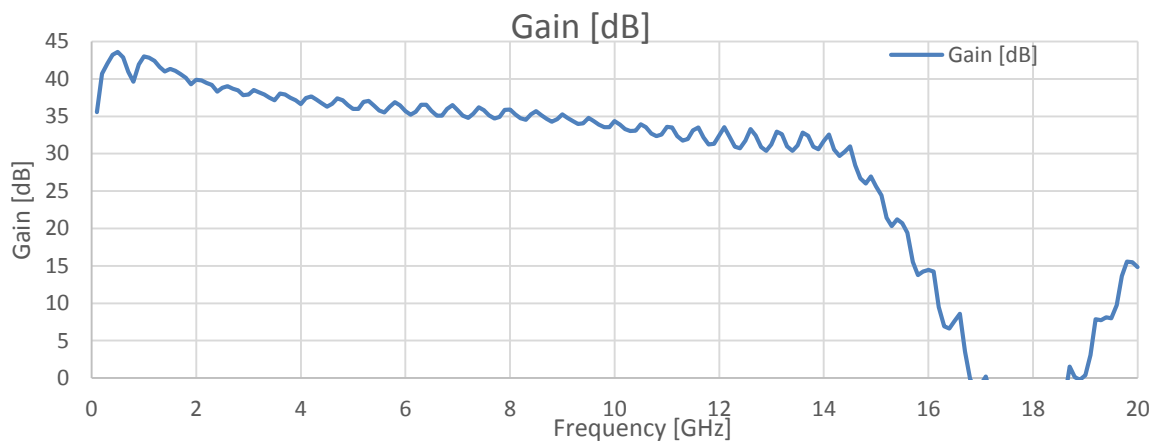
### Nominal bias @ 296 K

Parameter	Value
$V_{ds}$	2.60 V
$I_{ds}$	90 mA
$V_{gs}$	-0.73 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,  $T_{amb}=296$  K**



**Nano-D panel connector seen from outside the LNA**

