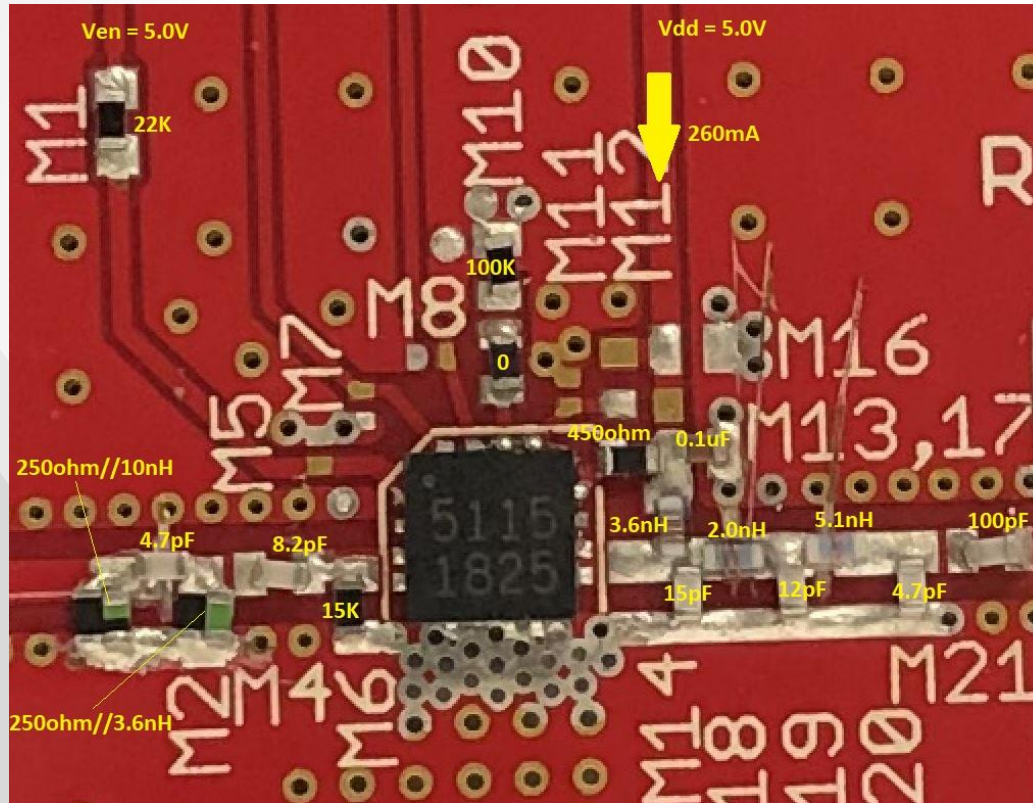




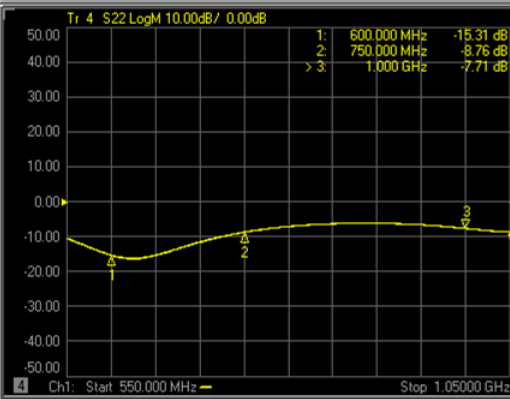
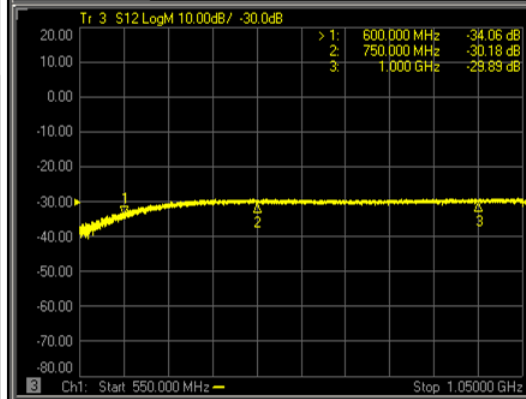
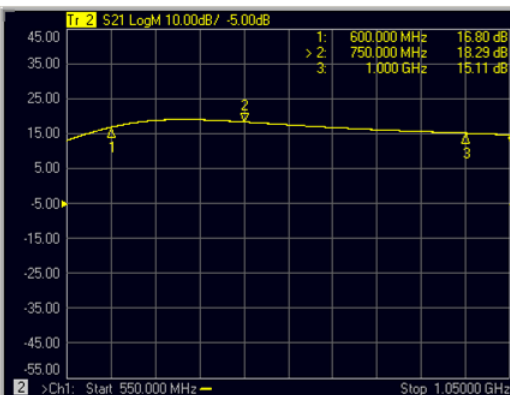
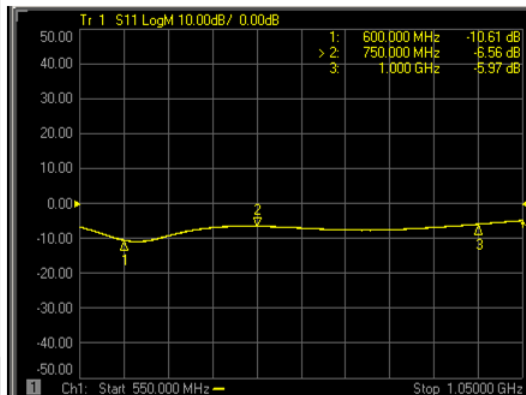
GRF5115 (600 - 1000 MHz)

# GRF5115 Schematic:

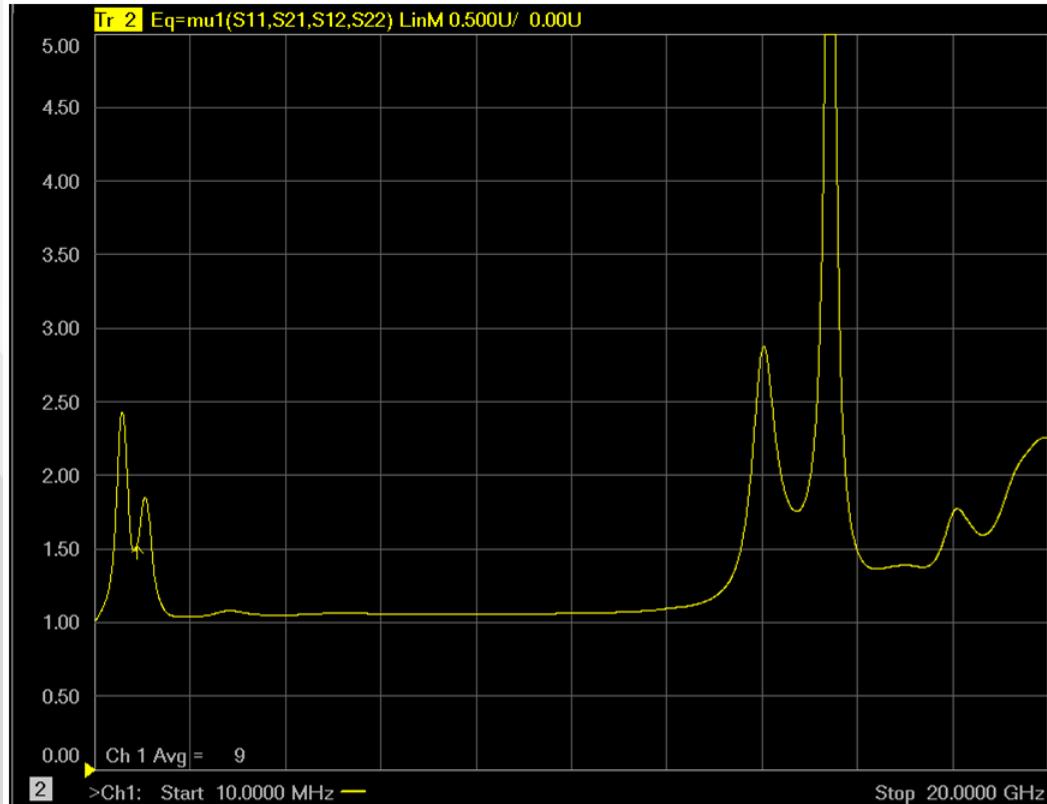


Multi-stage output match targets broadband  $Z_{load} = 8.2\text{ohm}$

# GRF5115 Response:



# GRF5115 Stability Mu Factor:



# GRF5115 Data:

Bias Point	Freq MHz	Vdd V	Ven V	Iddq mA	Pout/Ptone dBm	gain dB	tone spacing MHz	IIP3 dBm	OIP3 dBm	IP1dB dBm	OP1dB dBm	Eff %	EVB NF dB
5.0V/260mA	600	5.0	5.0	260.0	15.0	17.3	2.0	27.2	44.5	16.0	31.8	48.7	3.8
5.0V/260mA	650	5.0	5.0	260.0	15.0	18.9	2.0	25.7	44.6	14.0	31.8	49.0	3.3
5.0V/260mA	700	5.0	5.0	260.0	15.0	18.5	2.0	25.6	44.1	14.1	31.6	50.0	2.8
5.0V/260mA	750	5.0	5.0	260.0	15.0	18.3	2.0	27.5	45.8	14.0	31.2	43.8	2.6
5.0V/260mA	800	5.0	5.0	260.0	15.0	18.2	2.0	28.0	46.2	14.0	31.1	46.2	2.4
5.0V/260mA	850	5.0	5.0	260.0	15.0	16.8	2.0	32.0	48.8	15.1	30.8	47.9	2.3
5.0V/260mA	900	5.0	5.0	260.0	15.0	15.7	2.0	34.9	50.6	16.4	31.1	50.3	2.3
5.0V/260mA	950	5.0	5.0	260.0	15.0	16.0	2.0	36.5	52.5	16.4	31.3	51.3	2.2
5.0V/260mA	1000	5.0	5.0	260.0	15.0	15.3	2.0	34.5	49.8	17.2	31.4	48.9	2.2



## **Jeff Broxson**

*Vice President - Sales*

Phone (336) 339-9314

[jbroxson@guerrilla-rf.com](mailto:jbroxson@guerrilla-rf.com)

## **Alan Ake**

*Vice President - Applications/Technical Marketing*

Phone (336) 708-4581

[aake@guerrilla-rf.com](mailto:aake@guerrilla-rf.com)

## **Guerrilla RF**

1196 Pleasant Ridge Road, Suite 5  
Greensboro, NC 27409

Phone: (336) 510-7840

[www.guerrilla-rf.com](http://www.guerrilla-rf.com)