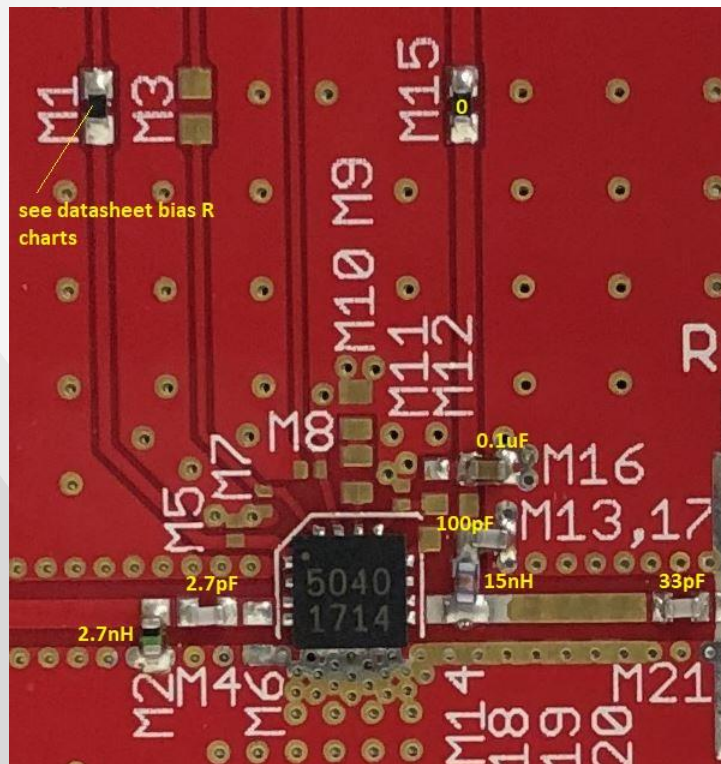


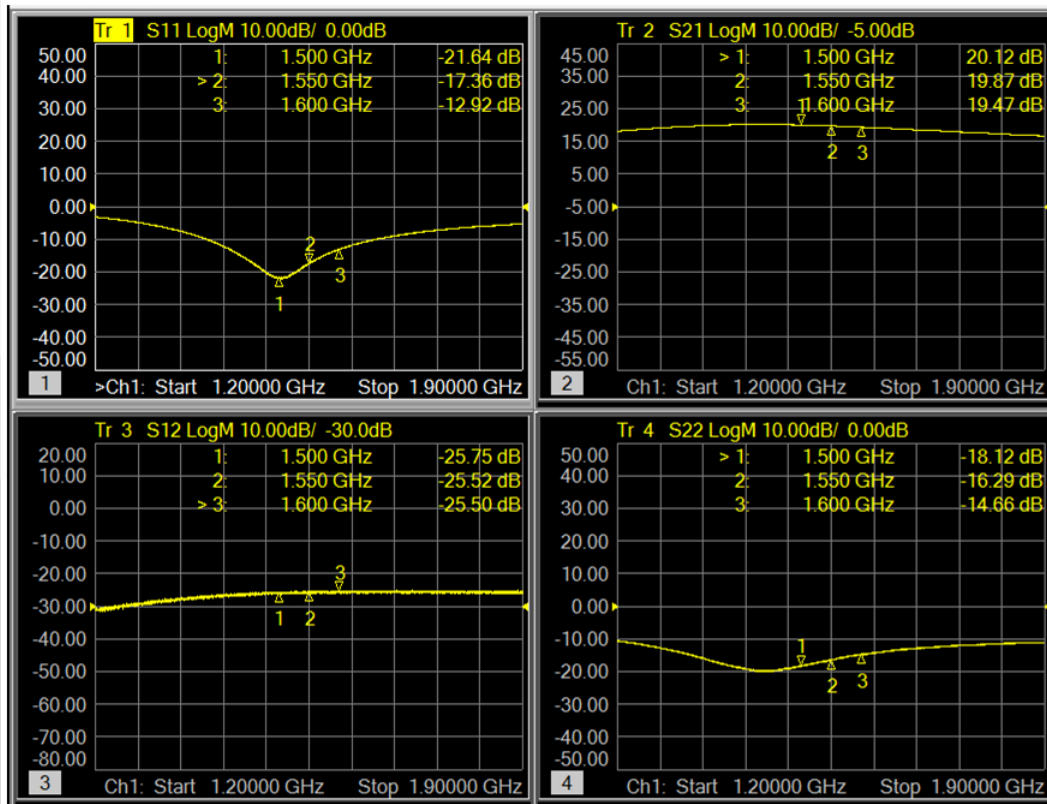


GRF5040 (1500 - 1600 MHz)

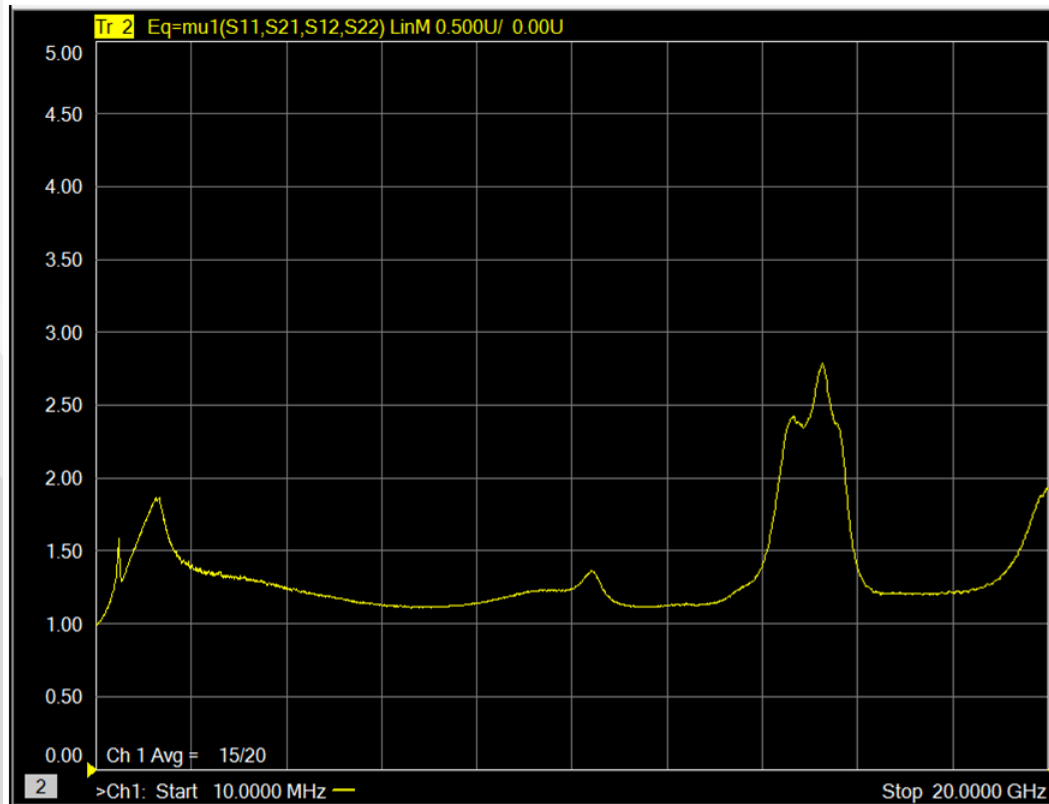
# GRF5040 Schematic:



# GRF5040 Response:



# GRF5040 Stability Mu Factor:



# GRF5040 Data:

| Bias Point  | Freq MHz | Vdd 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/65mA   | 1500     | 5.0   | 64.8    | 8.0            | 19.4    | 2.0              | 19.1     | 38.5     | 5.3       | 23.7      | 49.9  | 0.91      |
| 5.0V/65mA   | 1550     | 5.0   | 64.8    | 8.0            | 19.2    | 2.0              | 19.3     | 38.5     | 5.6       | 23.8      | 49.9  | 0.90      |
| 5.0V/65mA   | 1600     | 5.0   | 64.8    | 8.0            | 18.8    | 2.0              | 19.8     | 38.6     | 6.1       | 23.9      | 50.4  | 0.88      |
| Bias Point  | Freq MHz | Vdd V | Iddq mA | Pout/Ptone dBm | gain dB | tone spacing MHz | IIP3 dBm | OIP3 dBm | IP1dB dBm | OP1dB dBm | Eff % | EVB NF dB |
| 8.0V/110mA  | 1500     | 8.0   | 108.1   | 8.0            | 20.0    | 2.0              | 23.0     | 43.0     | 9.3       | 28.2      | 54.3  | 0.90      |
| 8.0V/110mA  | 1550     | 8.0   | 108.1   | 8.0            | 19.8    | 2.0              | 23.2     | 43.0     | 9.7       | 28.4      | 54.4  | 0.89      |
| 8.0V/110mA  | 1600     | 8.0   | 108.1   | 8.0            | 19.4    | 2.0              | 23.7     | 43.1     | 10.0      | 28.4      | 54.3  | 0.87      |
| Bias Point  | Freq MHz | Vdd V | Iddq mA | Pout/Ptone dBm | gain dB | tone spacing MHz | IIP3 dBm | OIP3 dBm | IP1dB dBm | OP1dB dBm | Eff % | EVB NF dB |
| 10.0V/150mA | 1500     | 10.0  | 151.3   | 8.0            | 20.2    | 2.0              | 25.4     | 45.6     | 11.0      | 30.1      | 53.9  | 0.95      |
| 10.0V/150mA | 1550     | 10.0  | 151.3   | 8.0            | 20.0    | 2.0              | 25.6     | 45.6     | 11.3      | 30.2      | 53.9  | 0.96      |
| 10.0V/150mA | 1600     | 10.0  | 151.3   | 8.0            | 19.6    | 2.0              | 26.3     | 45.9     | 12.0      | 30.3      | 55.0  | 0.93      |



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