

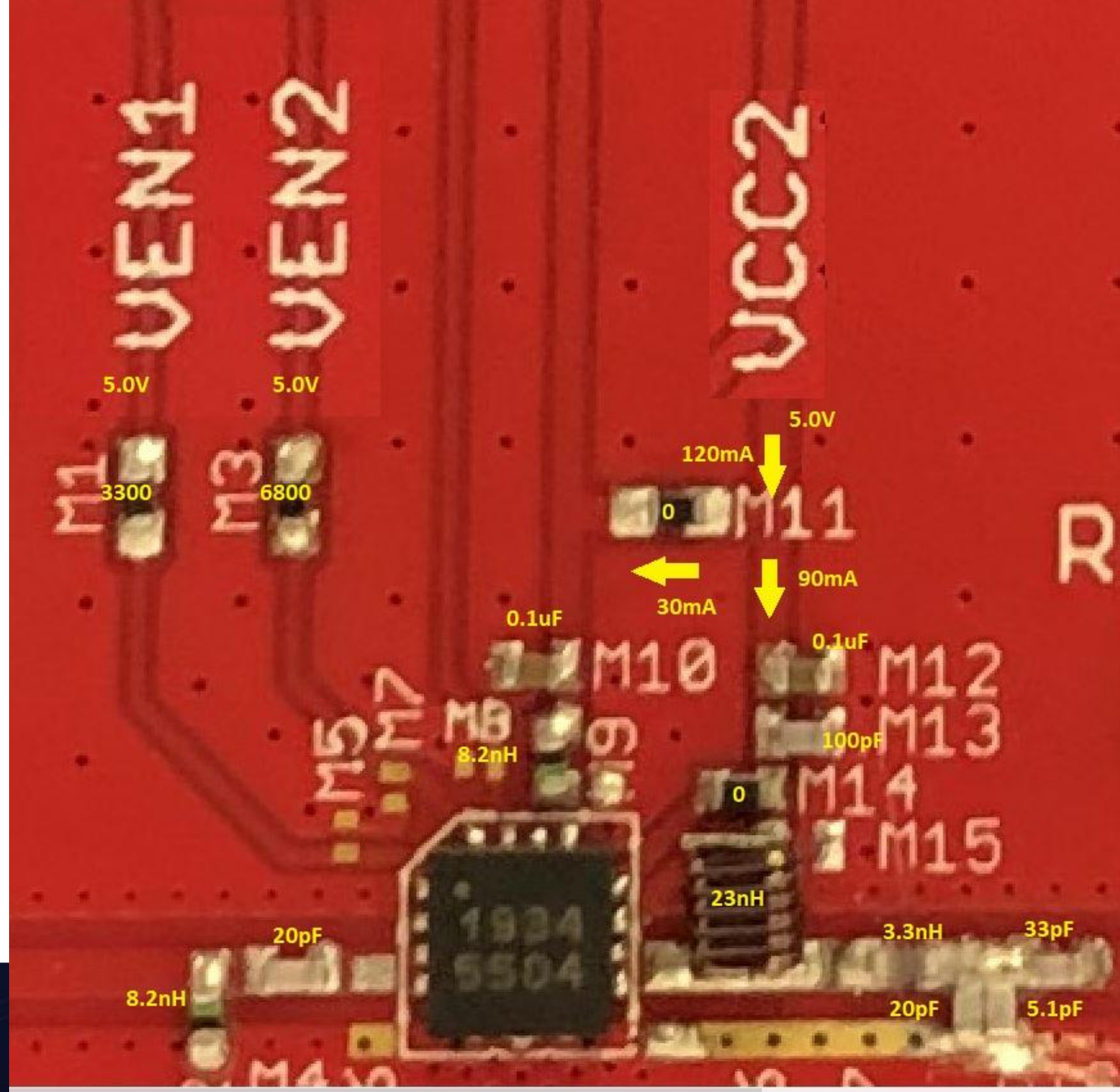


**GRF5504 430-435 MHz Optimized for Saturated
Output Power
4-15-21**

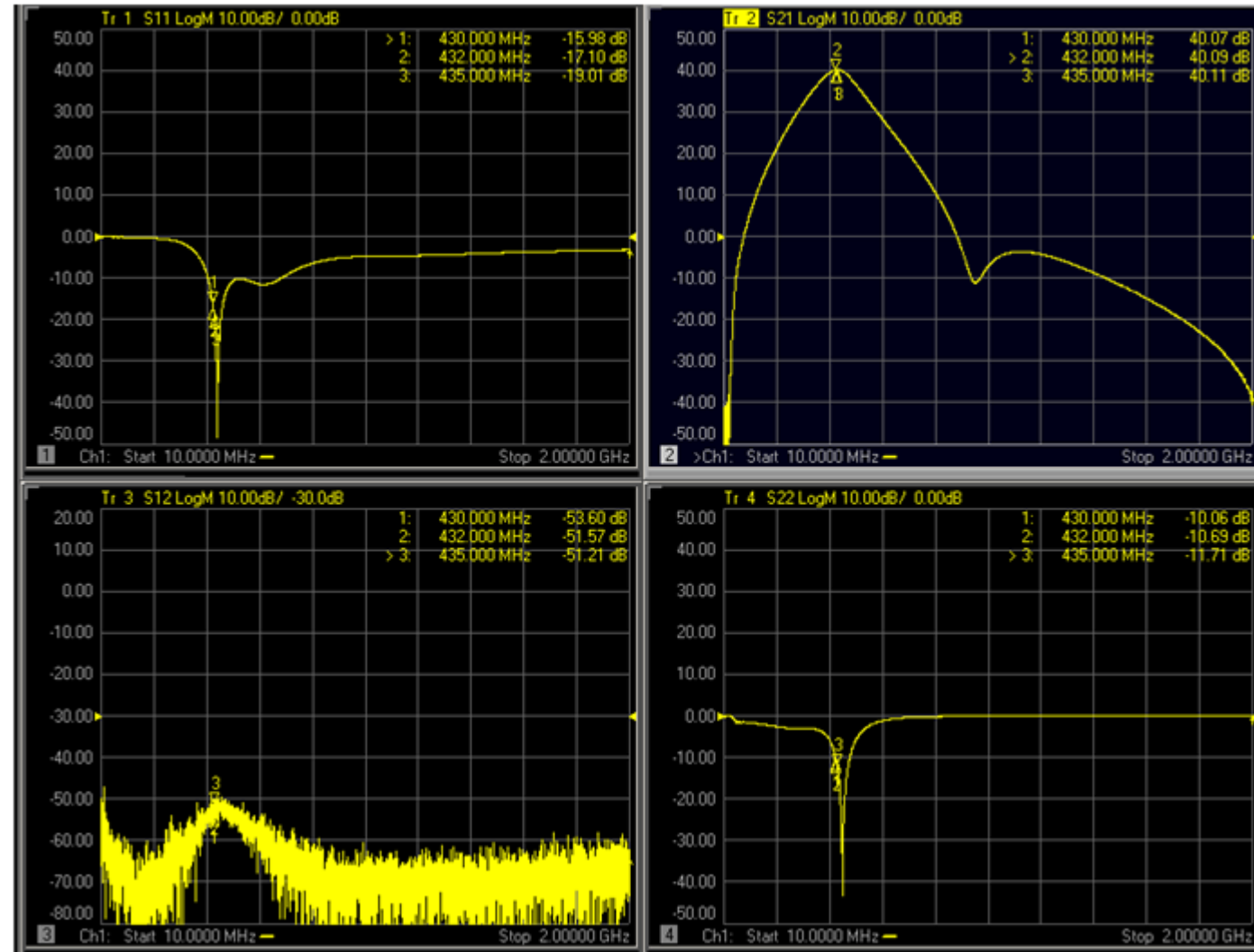
4/15/21

Schematic:

Matching has been set to obtain $> 35\text{dBm}$ saturated output power from 430-435 MHz.



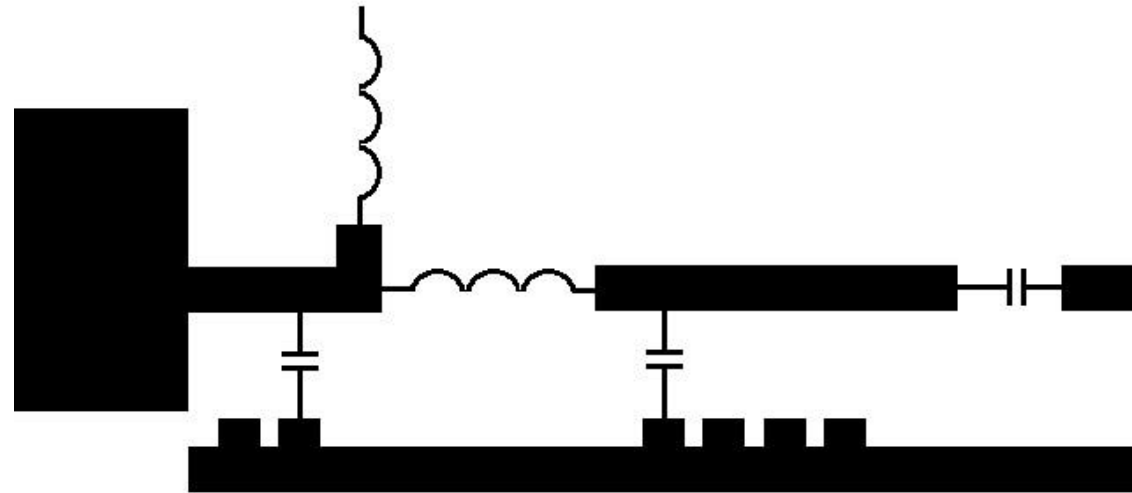
Response:



Data:

Bias Point	Freq MHz	VccV	Ven1V	Ven2V	Iddq mA	Pin dBm	Psat dBm	Eff %	EVB NF dB
5.0V/120mA	430	5	5	5	120	0	35.31	61.3	5.4
5.0V/120mA	432	5	5	5	120	0	35.26	61.2	5.3
5.0V/120mA	435	5	5	5	120	0	35.21	60.9	5.2

Matching/Layout Recommendations: Several shunt capacitor locations are recommended to allow for load impedance optimization.





Contact Us

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