



GRF5504 EVB184 400-420 MHz

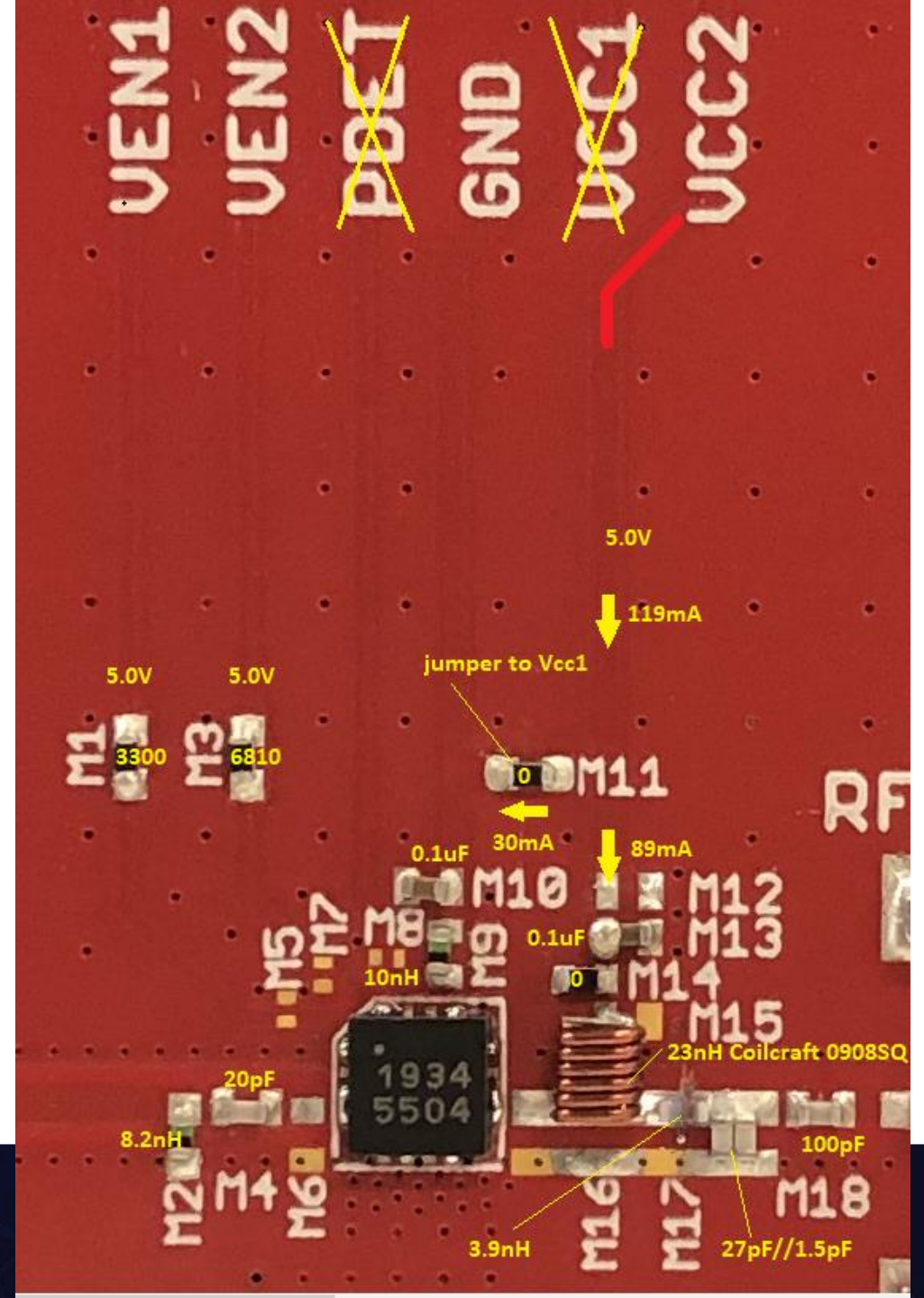
6/24/22

Schematic:

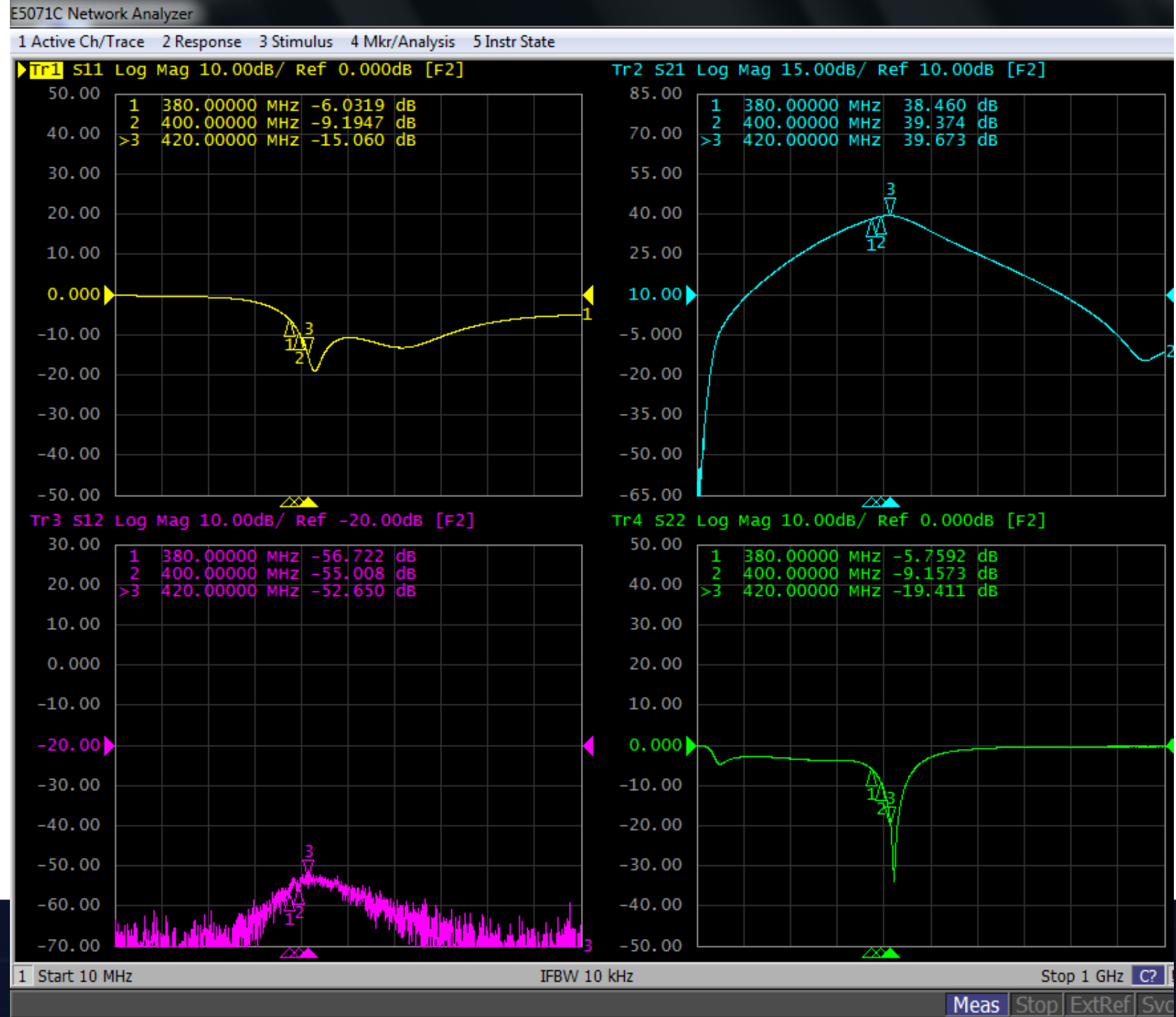
GRF5504 tuned for maximum output power 400-420 MHz.

Turn on sequence: Vcc2 → Ven1 → Ven2 (Turn off is reverse).

Sense supply should be used at Vcc2 in order to compensate for voltage drop on supply lines.



Response:



Standard Data:

Descriptor	Freq MHz	Vcc V	Ven1 V	Ven2 V	Iccq mA	Ien1 mA	Ien2 mA	Pout/Ptone dBm	gain dB	tone spacing MHz	OIP3 dBm	OP1dB dBm	Eff %	EVB NF dB
GRF5504 EVB 184	400	5	5	5	118.5	0.9	0.4	24	40.4	0.6	40.2	34	56.9	6
GRF5504 EVB 184	420	5	5	5	118.5	0.9	0.4	24	40.7	0.6	43	33.6	58.8	6

Saturated Power:

Descriptor	Freq MHz	Vcc V	Ven1 V	Ven2 V	Iccq mA	Ien mA	Ien2 mA	Pin dBm	Psat dBm	gain dB	Icc RF mA	Eff %
Psat	400	5	5	5	118.5	0.9	0.4	0	34.8	34.8	1079.9	55.9
Psat	420	5	5	5	118.5	0.9	0.4	0	34.3	34.3	973.8	55.2





Contact Us

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