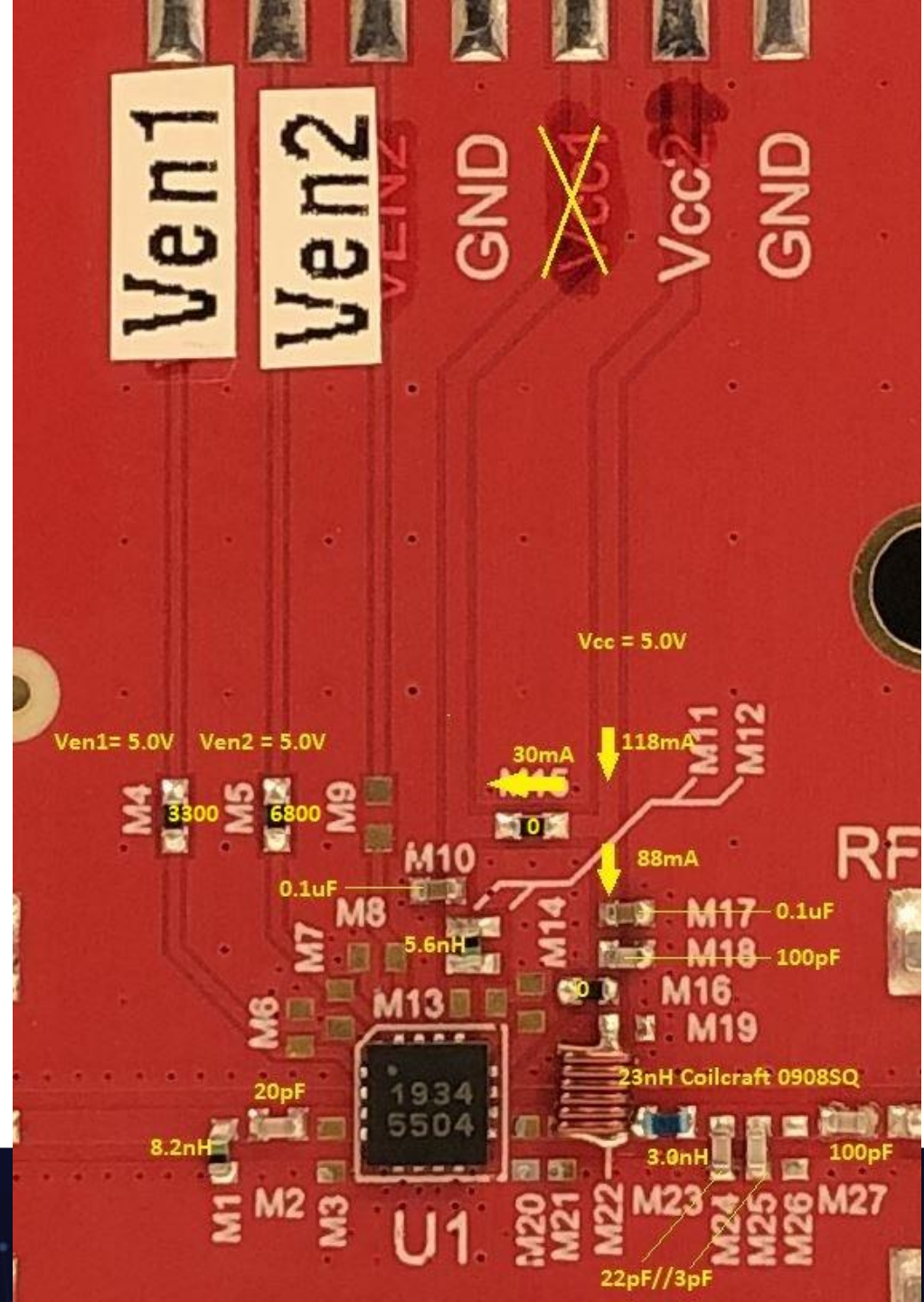




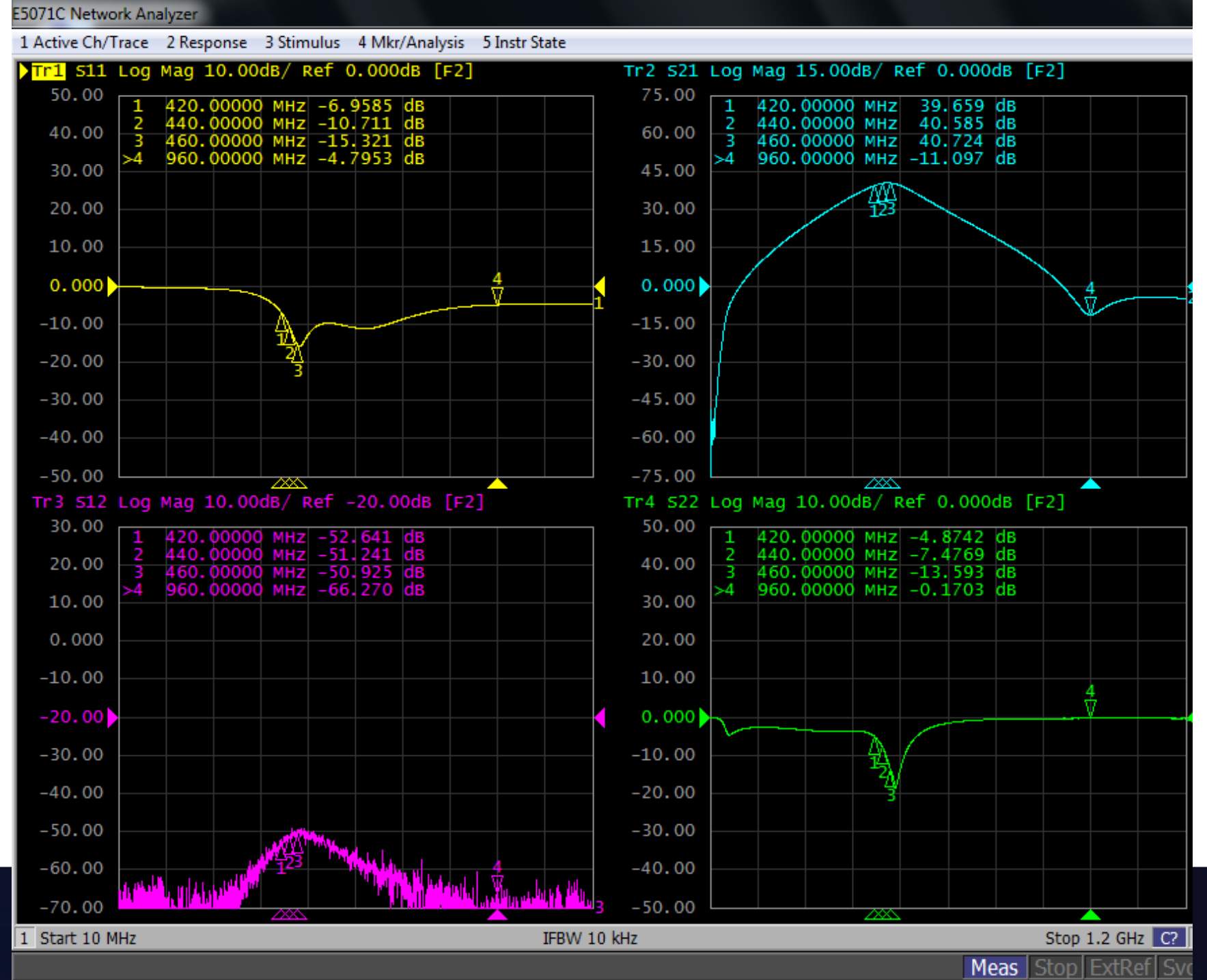
GRF5504 EVB181 420-460 MHz

4/27/22

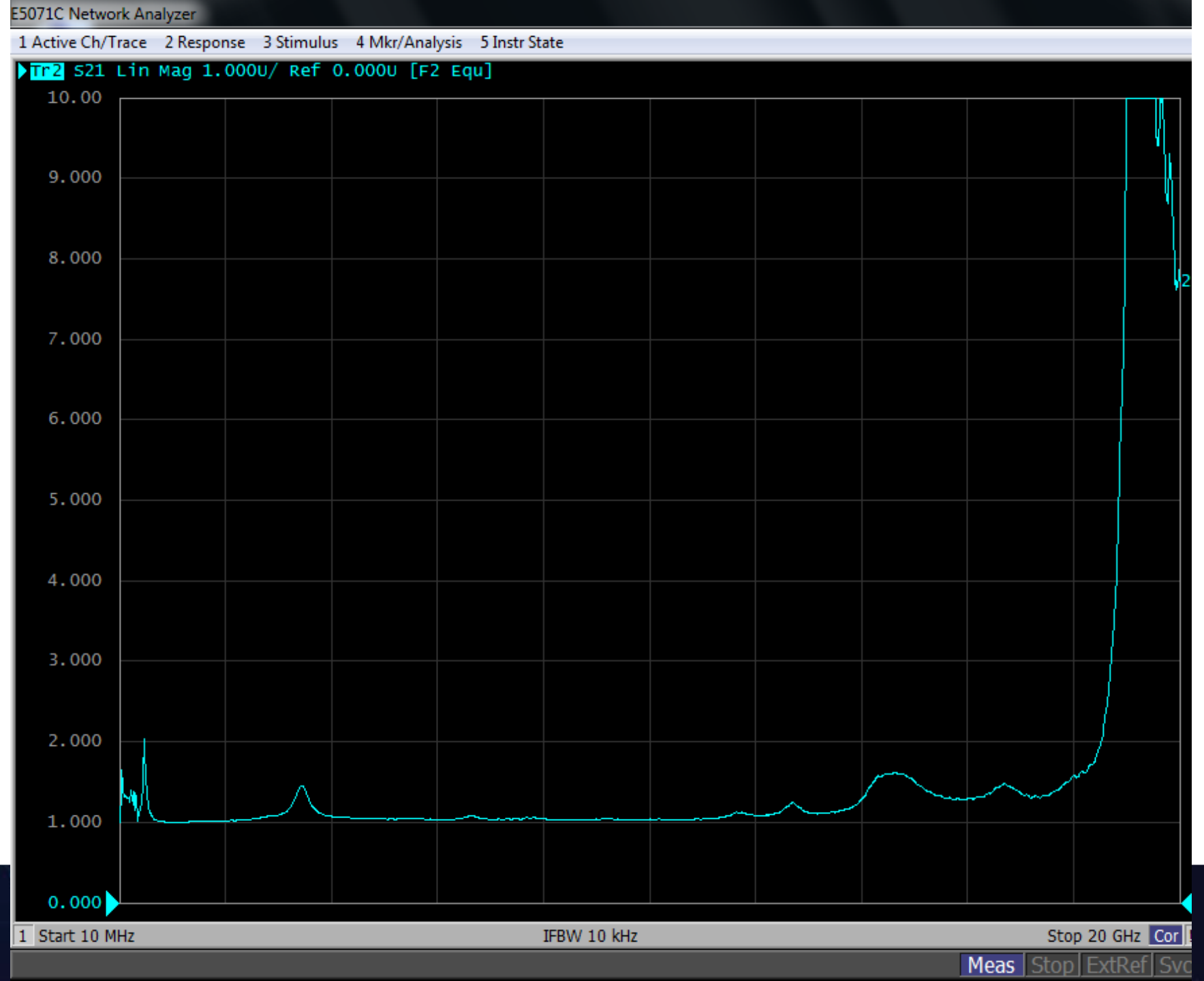
Schematic:



Response:



Stability:



Standard Data:

Device /EVb	Freq MHz	Vcc V	Ven1 V	Ven2 V	Iccq mA	Pout/Ptone dBm	gain dB	tone spacing MHz	OIP3 dBm	OP1dB dBm	Eff %	EVb NF dB
GRF5504 #181	420	5	5	5	118.1	22	40	0.6	38.9	34.1	57.9	5.7
GRF5504 #181	425	5	5	5	118.1	22	40.3	0.6	39.1	34.3	60.1	5.5
GRF5504 #181	430	5	5	5	118.1	22	40.6	0.6	39.2	34.4	60.9	5.3
GRF5504 #181	435	5	5	5	118.1	22	40.9	0.6	39.5	34.5	62.5	5.2
GRF5504 #181	440	5	5	5	118.1	22	41.2	0.6	39.8	34.5	63.3	5.1
GRF5504 #181	445	5	5	5	118.1	22	41.4	0.6	40	34.3	61.7	4.9
GRF5504 #181	450	5	5	5	118.1	22	41.6	0.6	40.5	34.1	60.7	4.8
GRF5504 #181	455	5	5	5	118.1	22	41.7	0.6	41.2	33.9	60.2	4.7
GRF5504 #181	460	5	5	5	118.1	22	41.6	0.6	41.8	33.5	57.8	4.7

Saturated Power:

Descriptor	Freq MHz	Vcc V	Ven1 V	Ven2 V	Iccq mA	Pin dBm	Pout dBm	Eff %
Psat	420	5	5	5	118.7	0	34.7	58.4
Psat	425	5	5	5	118.7	0	34.9	60
Psat	430	5	5	5	118.7	0	35.1	61.8
Psat	435	5	5	5	118.7	0	35.2	62.6
Psat	440	5	5	5	118.7	0	35.2	62.4
Psat	445	5	5	5	118.7	0	35.2	62.4
Psat	450	5	5	5	118.7	0	35	60.2
Psat	455	5	5	5	118.7	0	34.8	58.7
Psat	460	5	5	5	118.7	0	34.6	57.8



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