

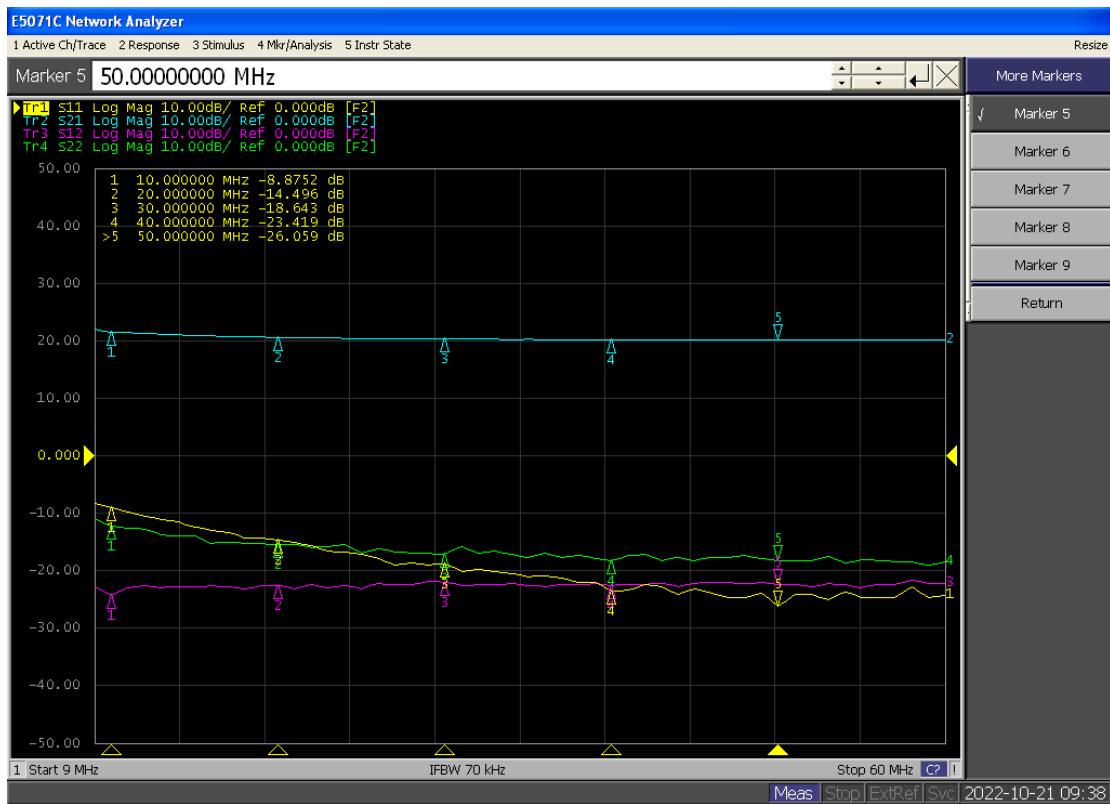


ZDH6018 10-50MHz-5V 应用笔记

一、射频指标

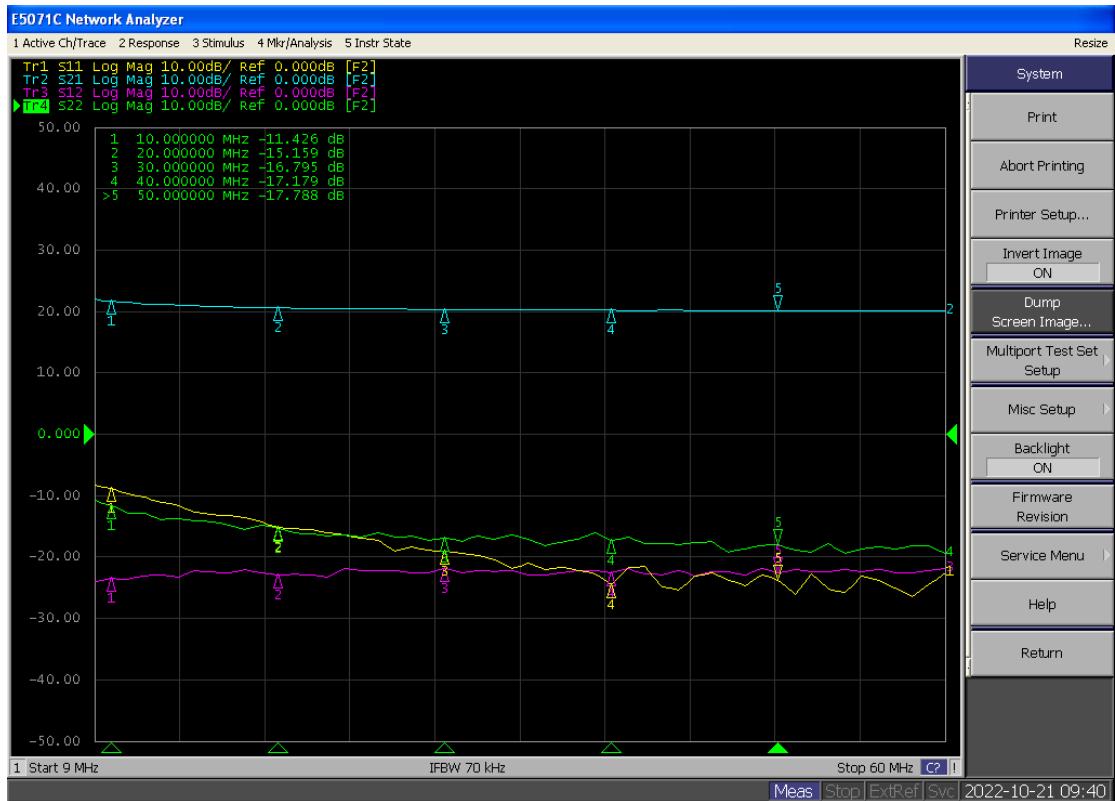
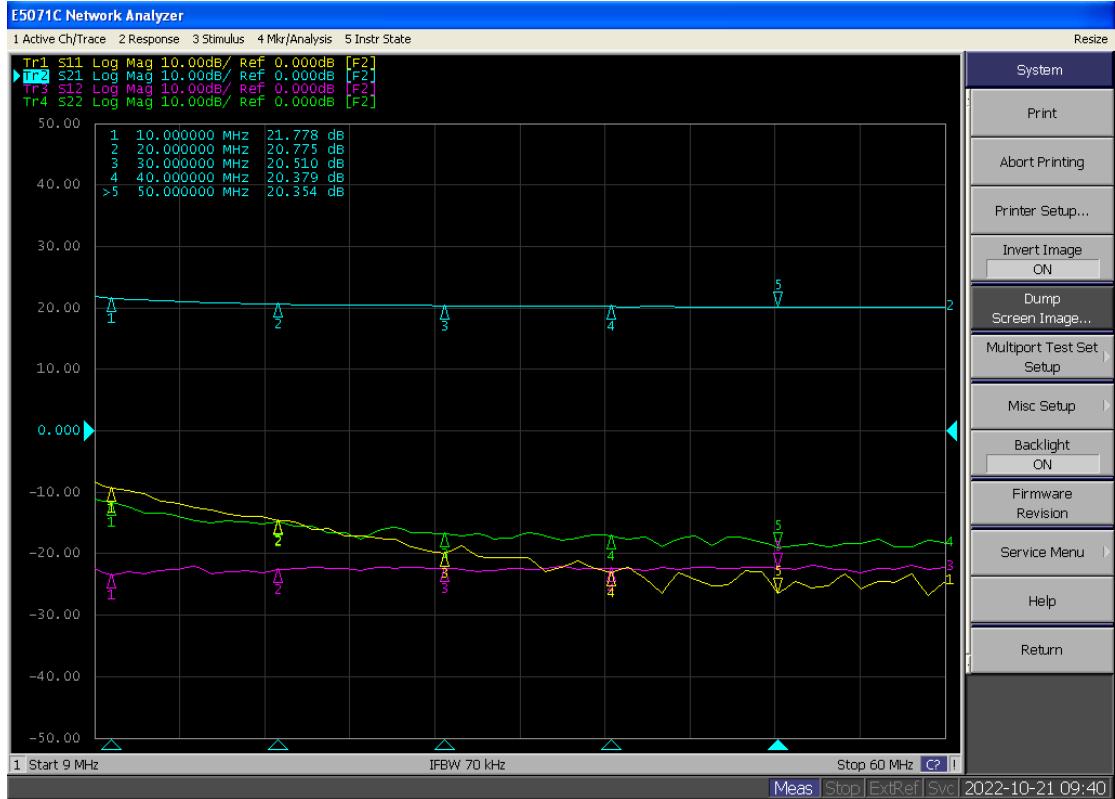
工作频率 (Frq)	MHz	10	20	30	40	50
增益 (S21)	dB	21.7	20.7	20.5	20.3	20.3
噪声系数 (NF)	dB	3.97	4.01	4	3.93	4.17
输入回损 (S11)	dB	-8.8	-14.4	-18.6	-23.4	-26
输出回损 (S22)	dB	-11.4	-15.1	-16.7	-17.1	-17.7
P1 功率 (Pout)	dBm	19.18	19.42	19.25	19.48	19.62
输入功率(Pin)	dBm	-1.6	-0.5	-0.3	0	0.2
工作电压 (VCC)	V	5	5	5	5	5
静态电流 (Icq)	mA	84	84	84	84	84
P1 工作电流 (Icc)	mA	60	60	60	60	60
OIP3	dBm	36.27	36.55	37.93	37.43	38.23

二、实测 S 参数图



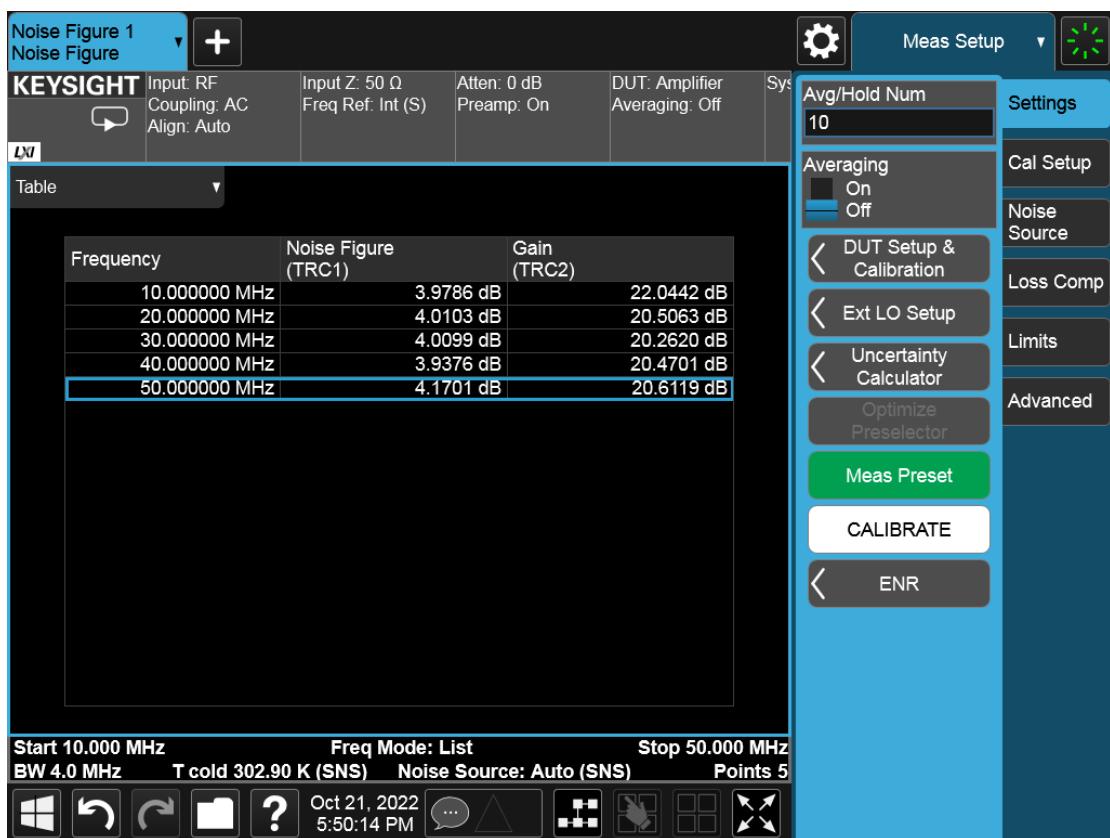


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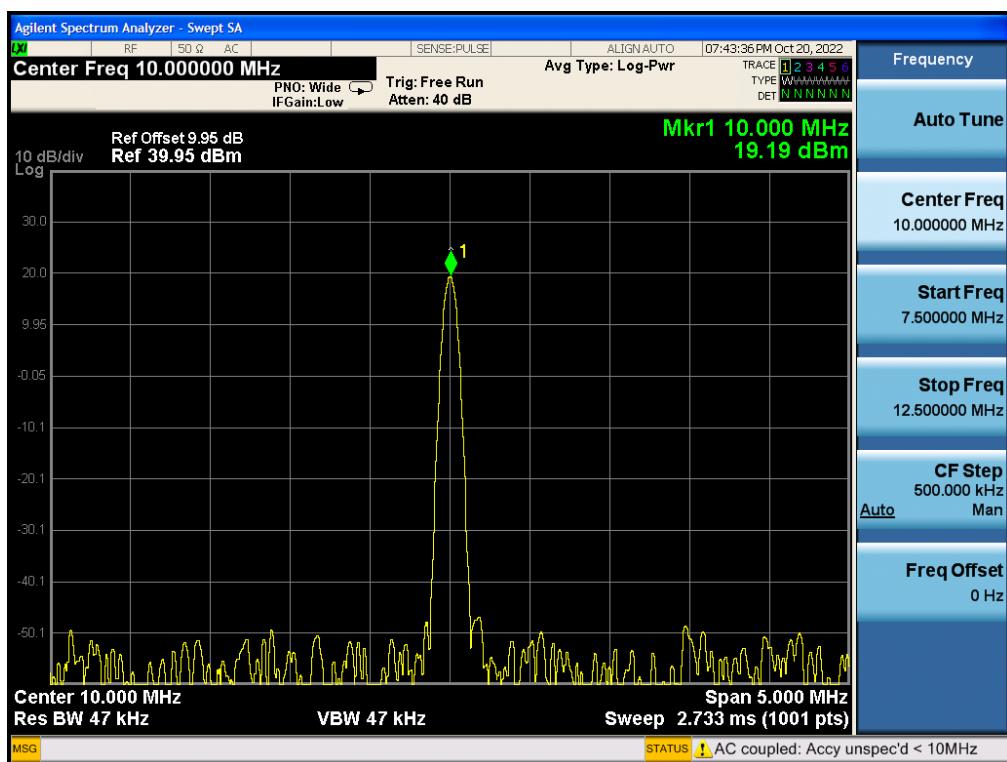




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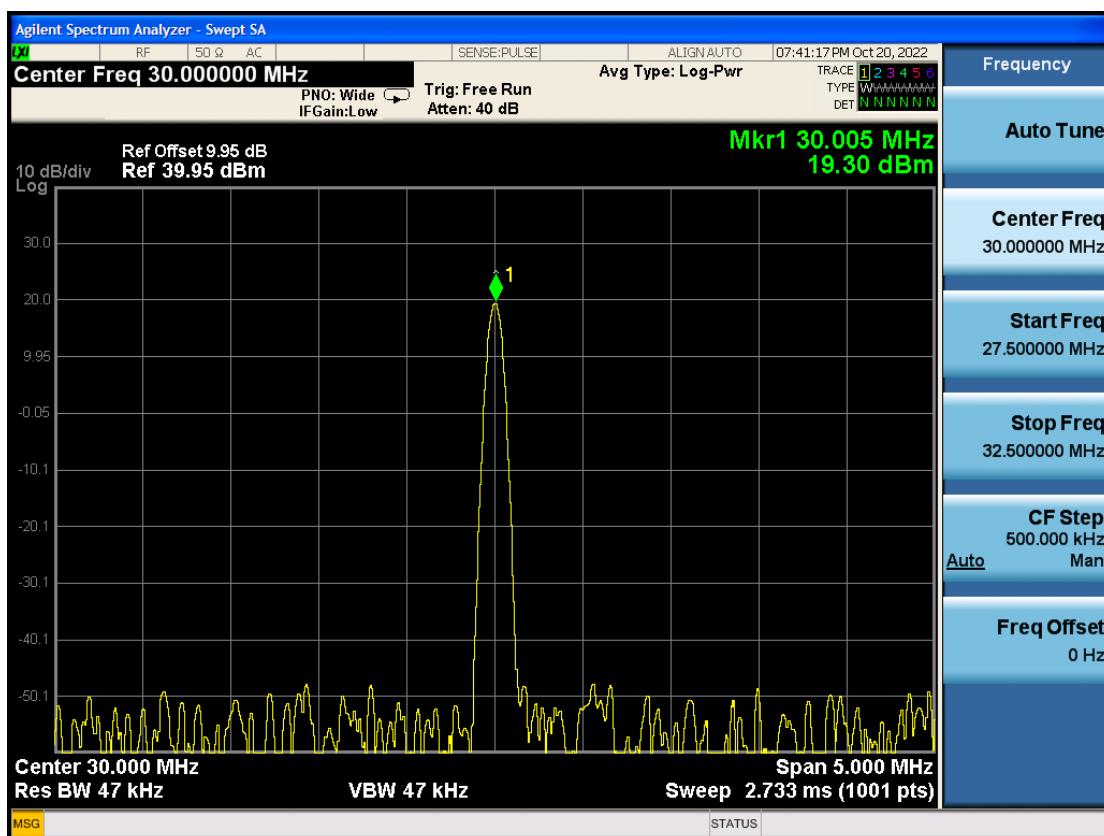
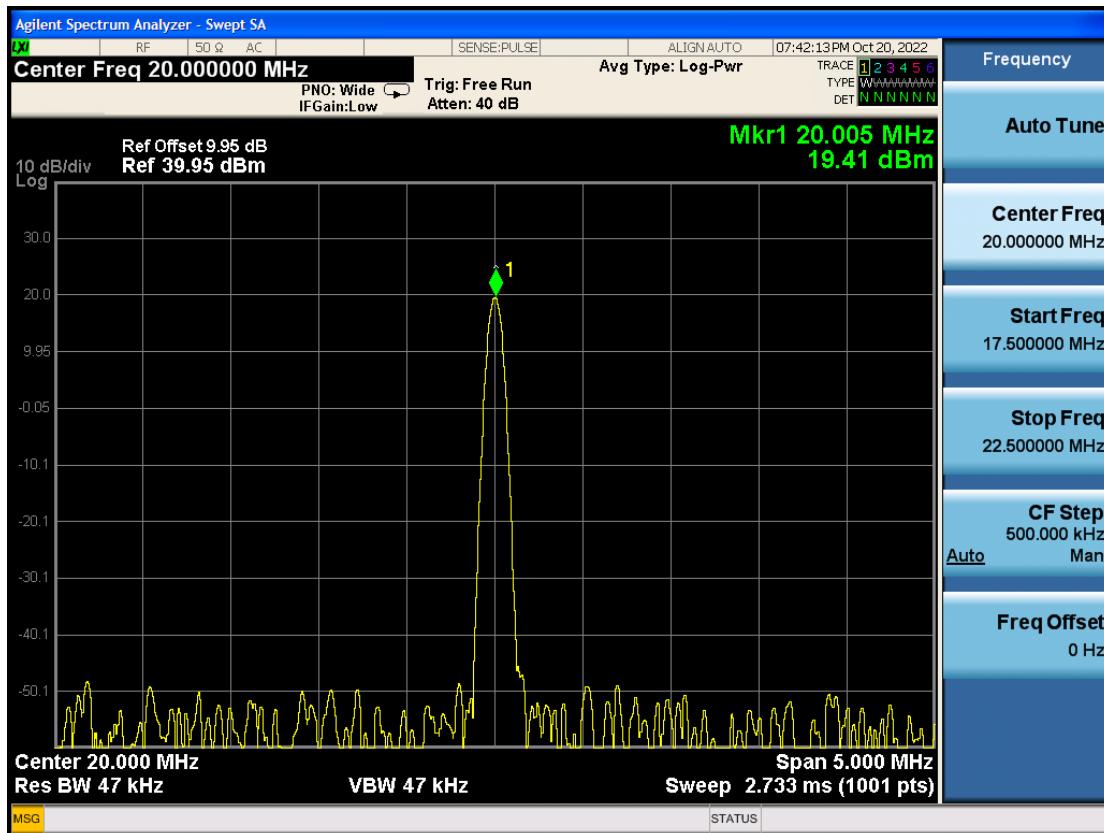


三、实测输出功率图



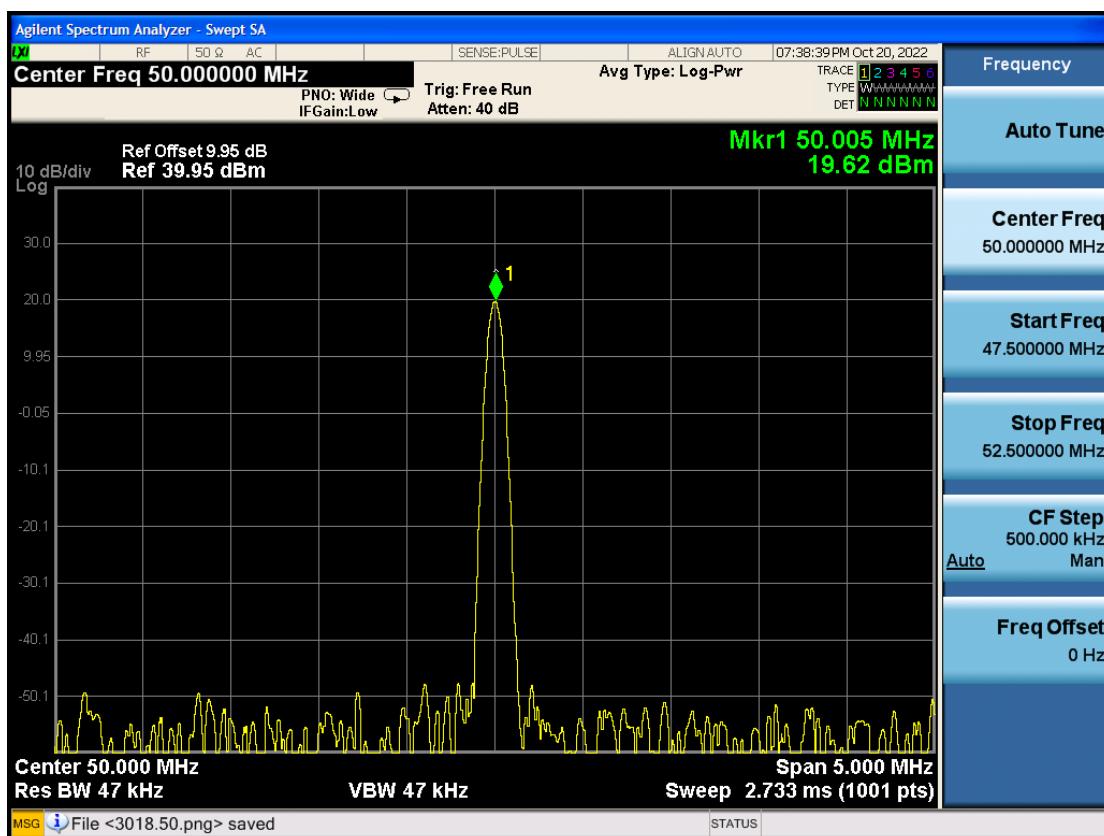
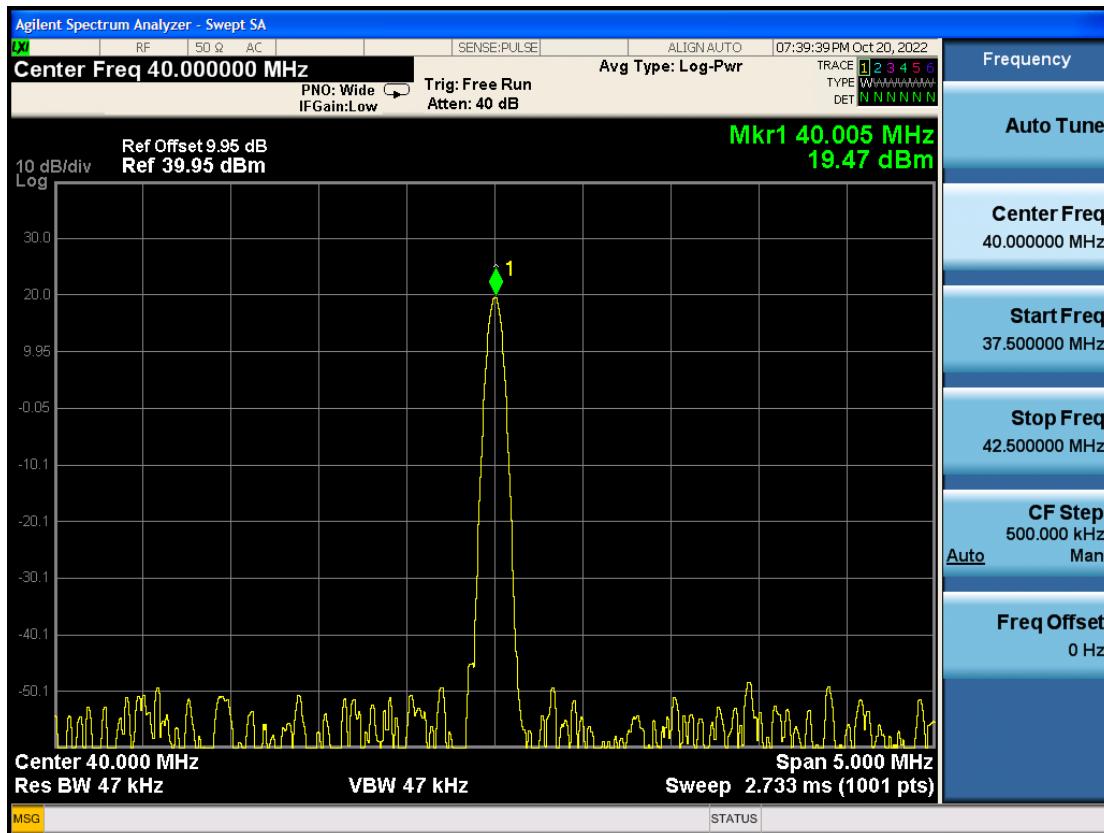


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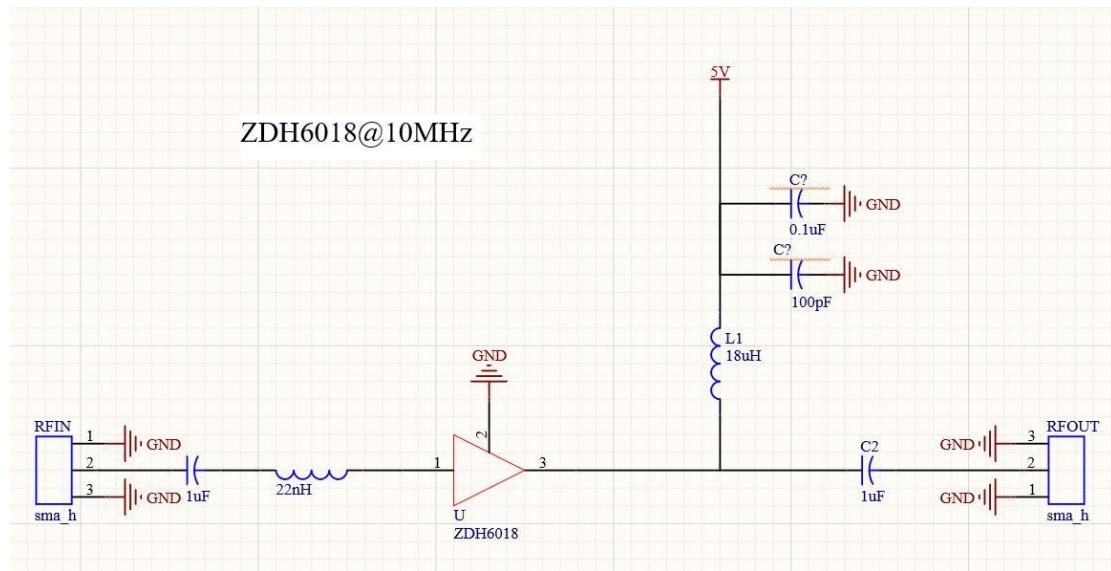
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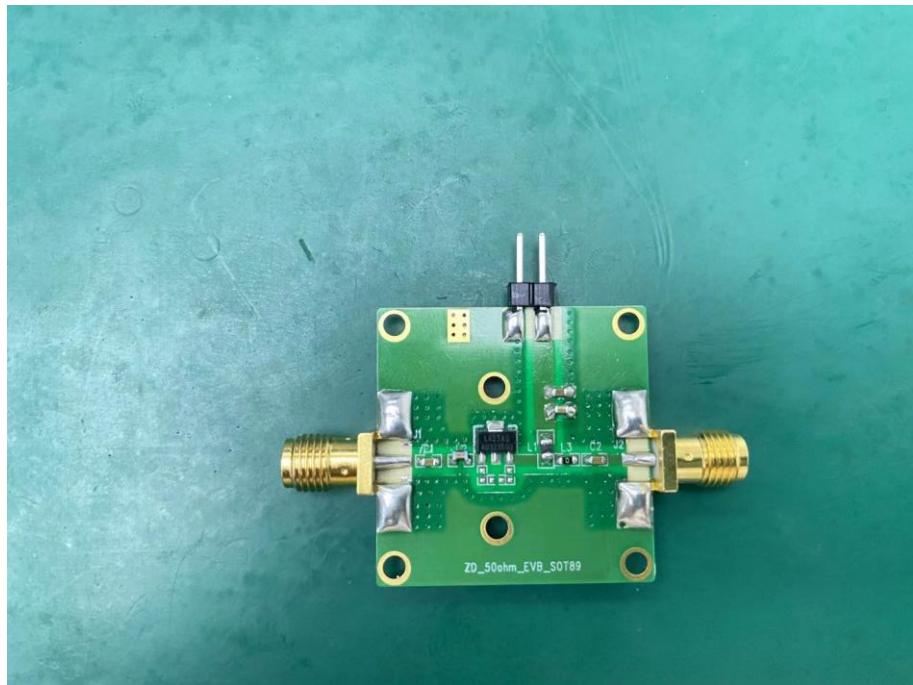


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四、评估板原理图



五、评估板实物图



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技术部

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