



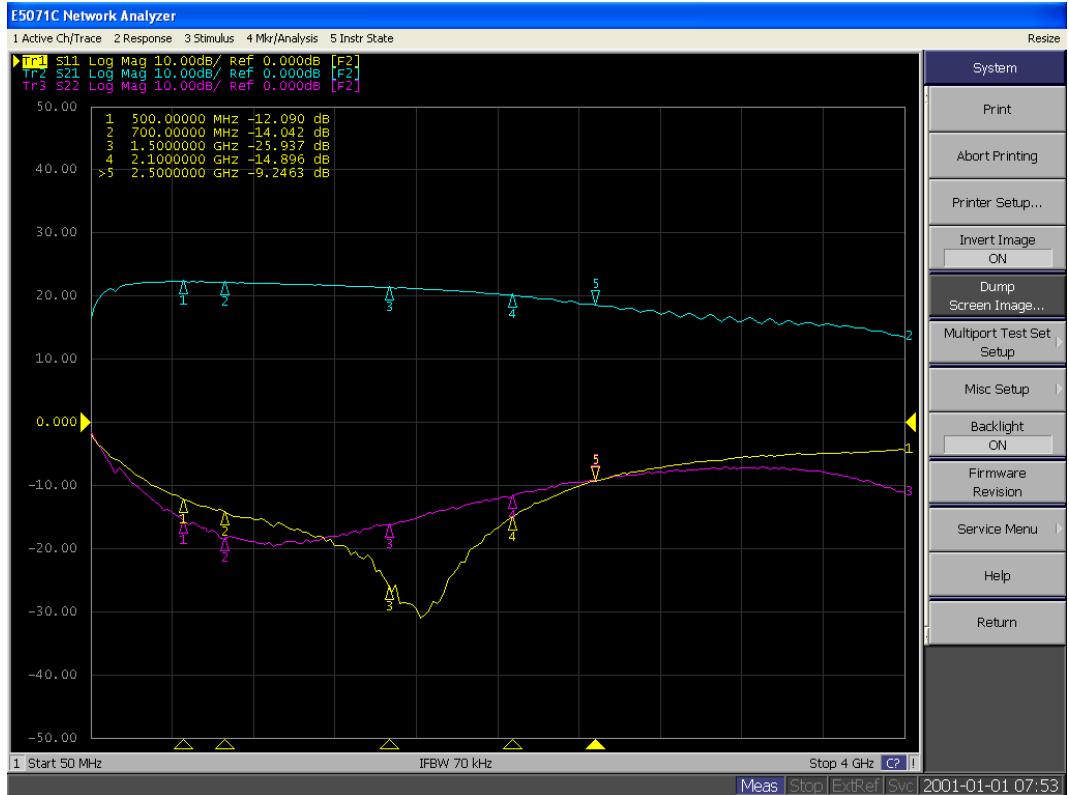
ZDH9038 500-2500MHz-5V 应用笔记

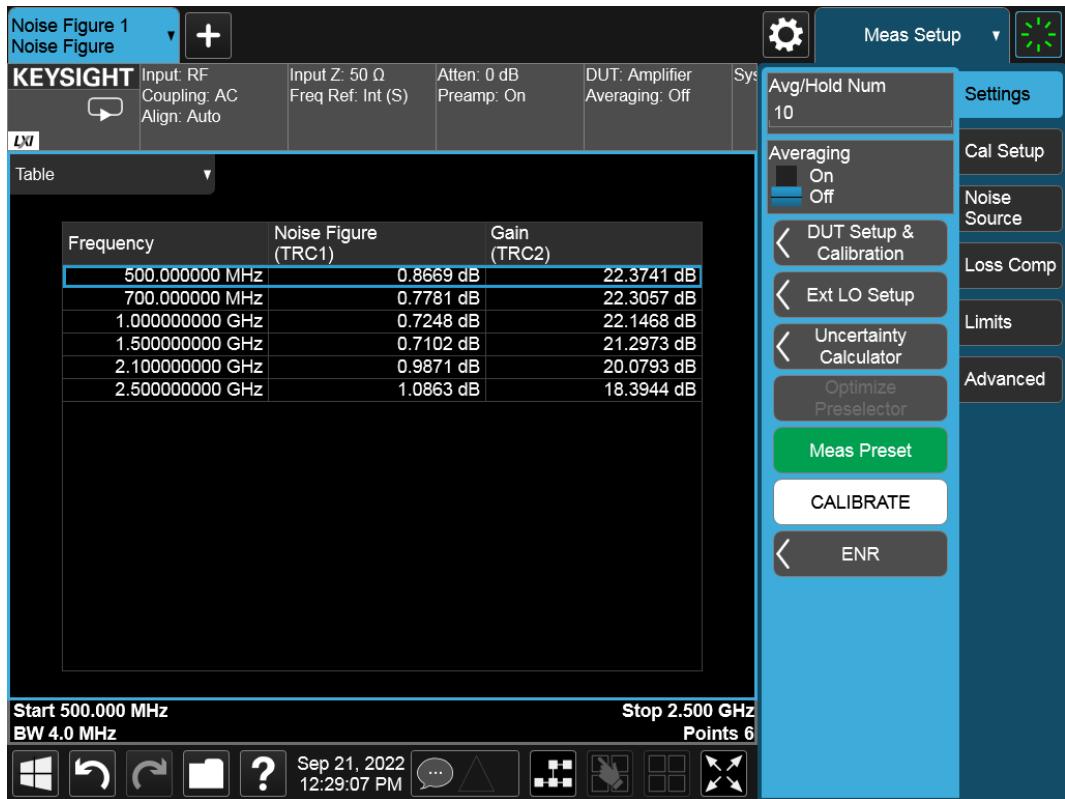
一、射频指标

工作频率 (Frq)	MHz	500	700	1500	2100	2500
增益 (S21)	dB	22.43	22.33	21.48	20.26	18.73
噪声系数 (NF)	dB	0.86	0.77	0.71	0.98	1.08
输入回损 (S11)	dB	-12.09	-14.04	-25.93	-14.89	-9.24
输出回损 (S22)	dB	-15.39	-18.02	-15.83	-11.23	-8.99
P1 功率 (Pout)	dBm	21.42	21.45	21.38	22.09	22.15
输入功率(Pin)	dBm	0	0	1	3	4
工作电压 (VCC)	V	5	5	5	5	5
静态电流 (Icq)	mA	77	77	77	77	77
P1 工作电流 (Icc)	mA	72	76	80	79	76
OIP3	dBm	28.6	29	29.2	29.2	28.6

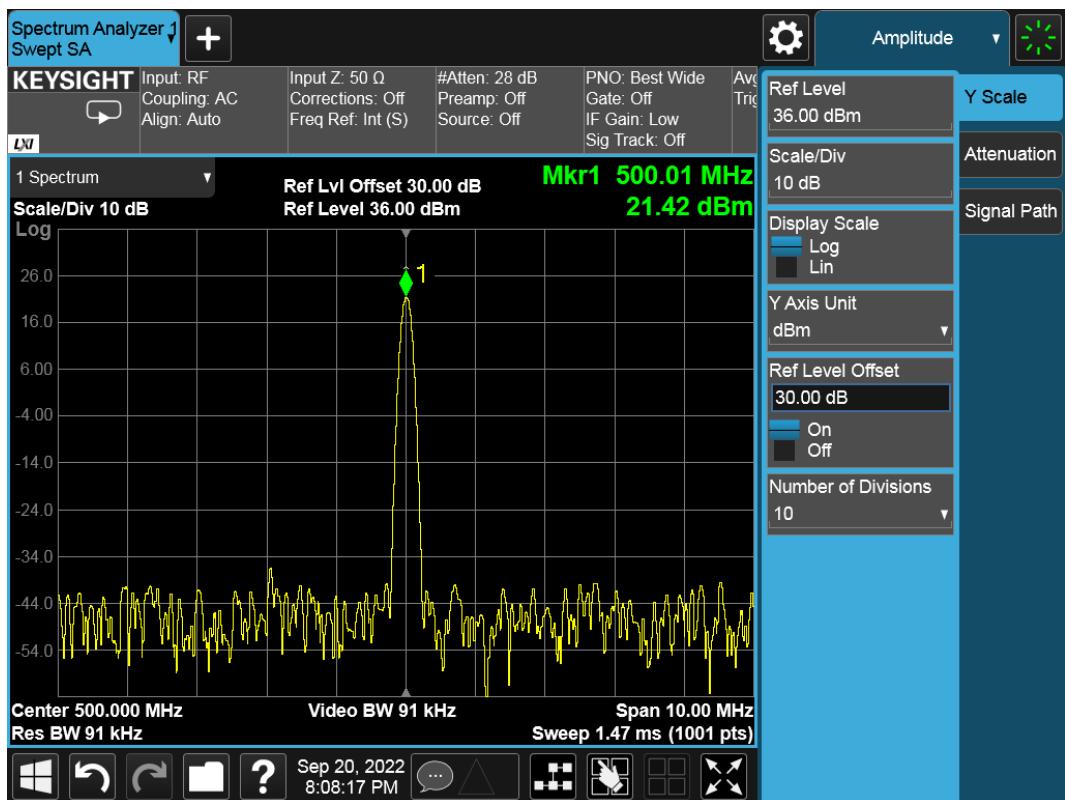
二、实测 S 参数图

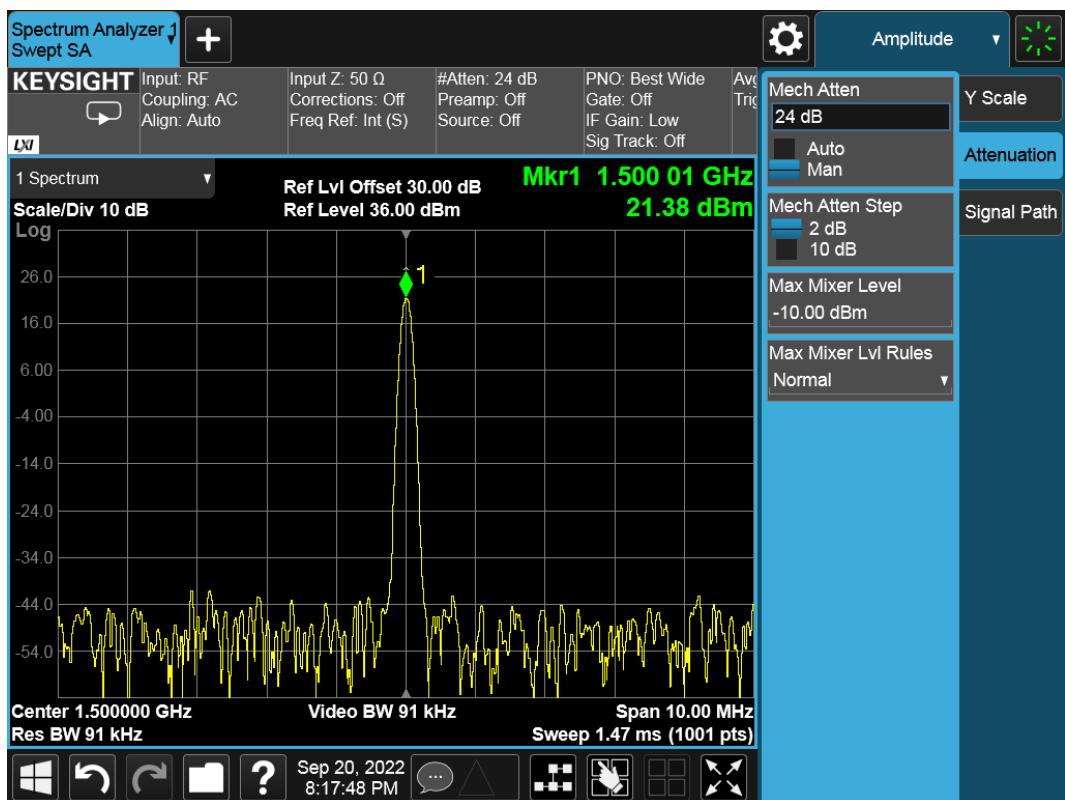
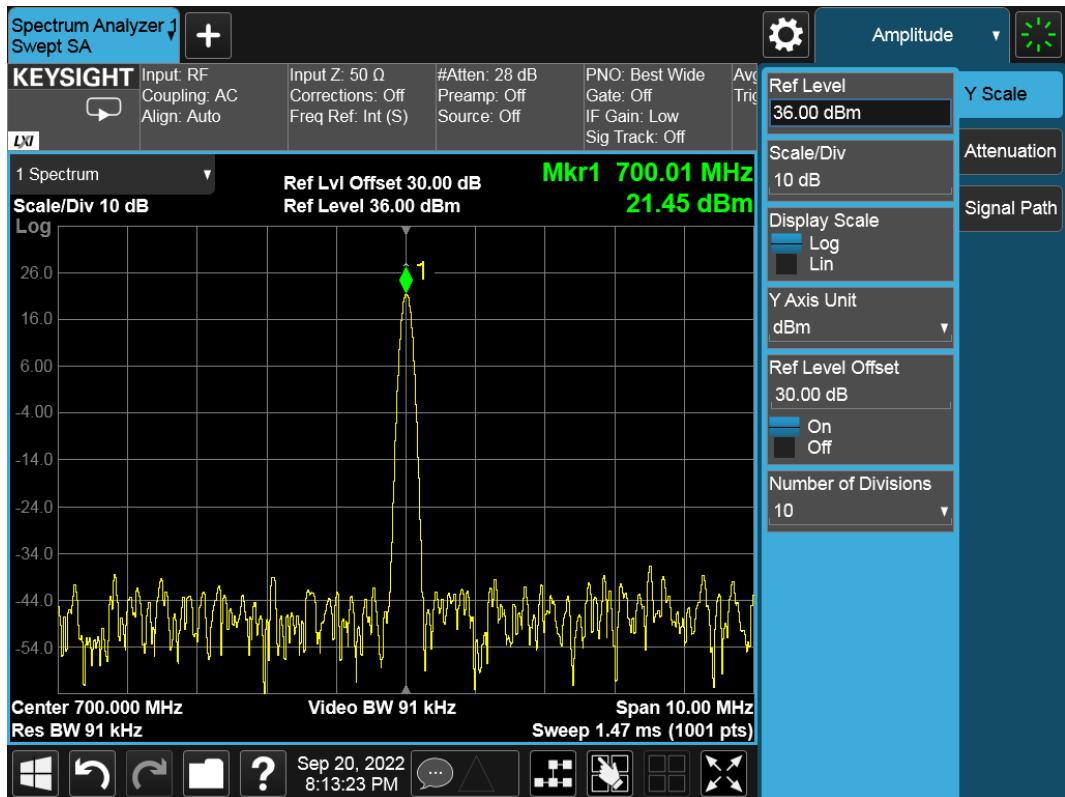






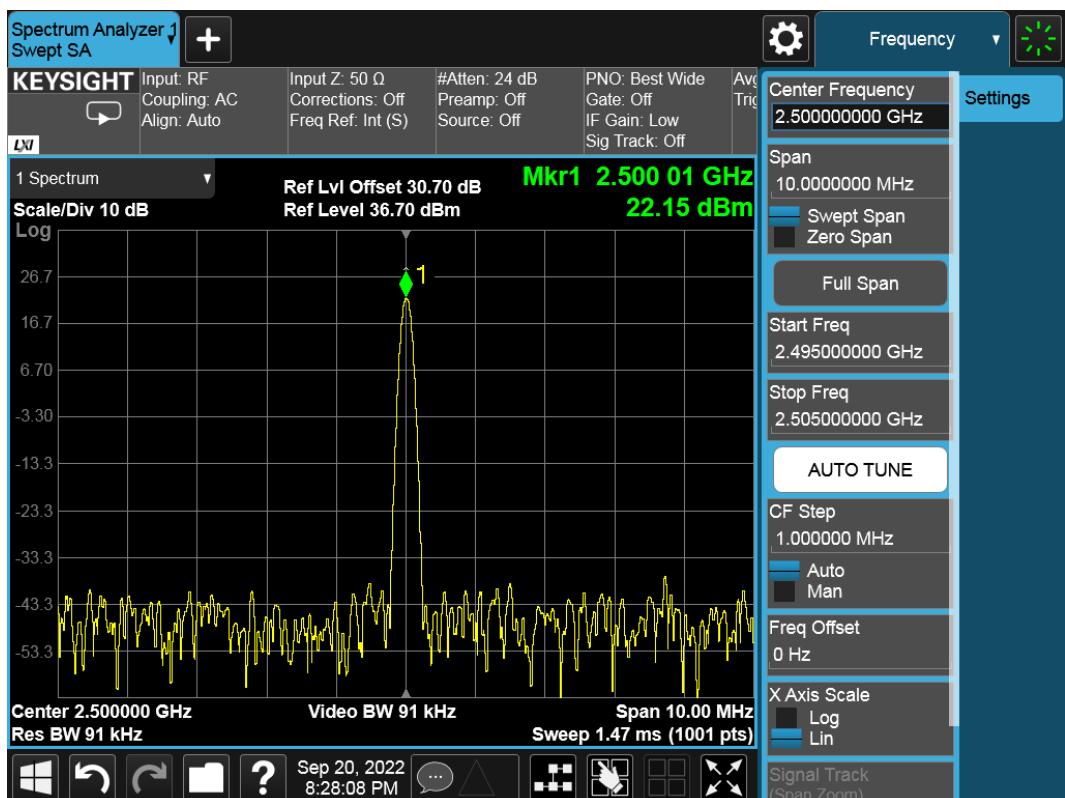
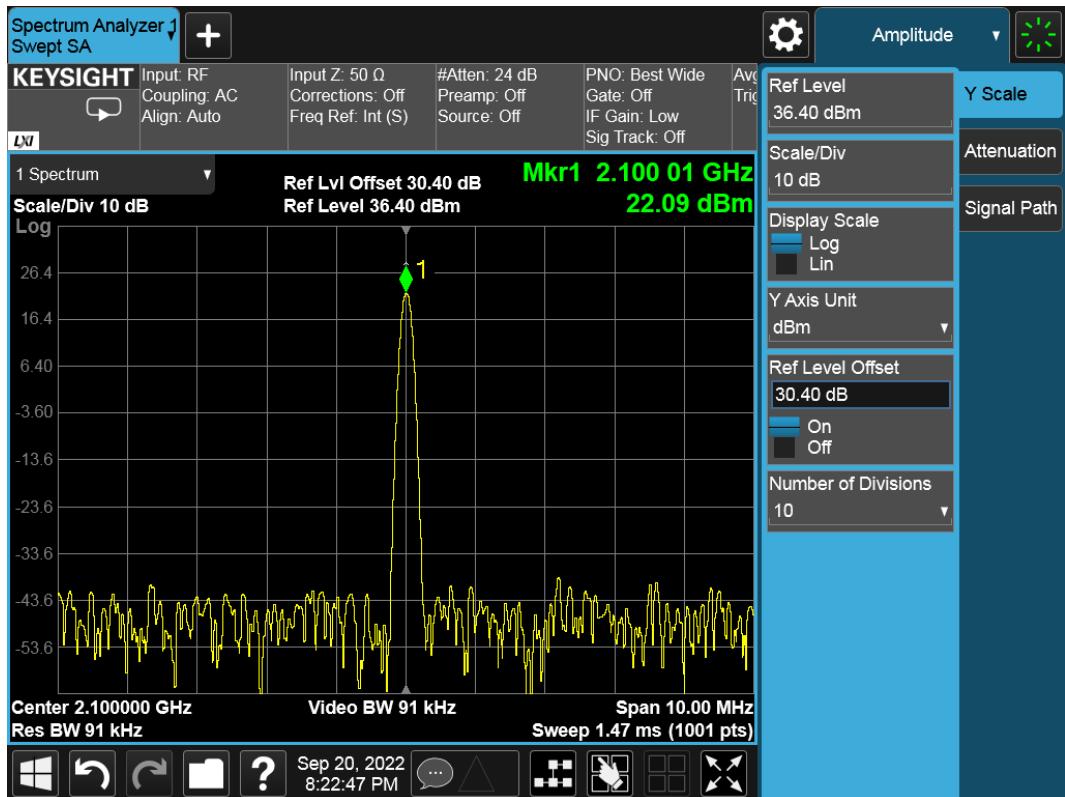
三、实测输出功率图







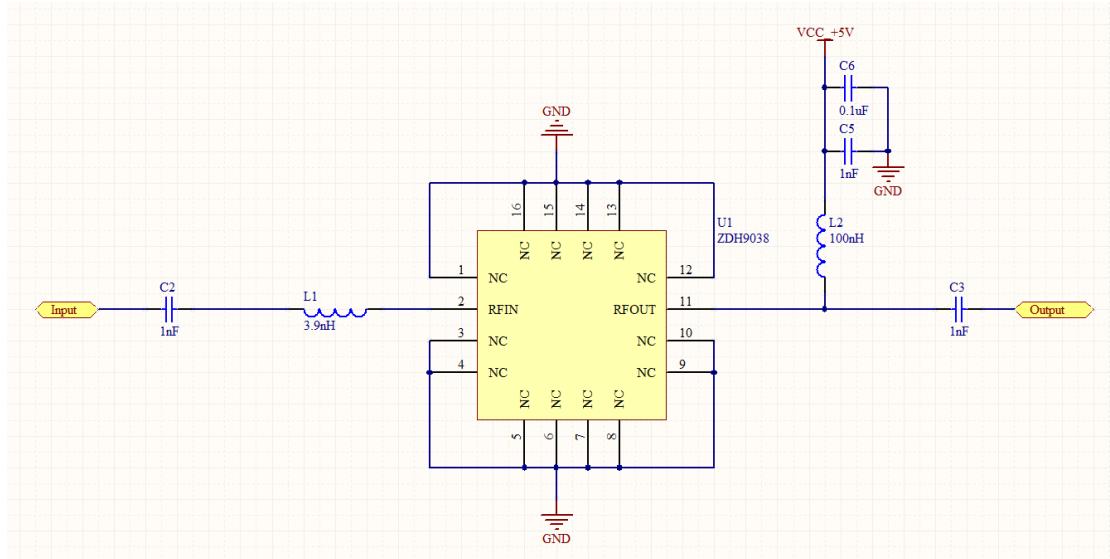
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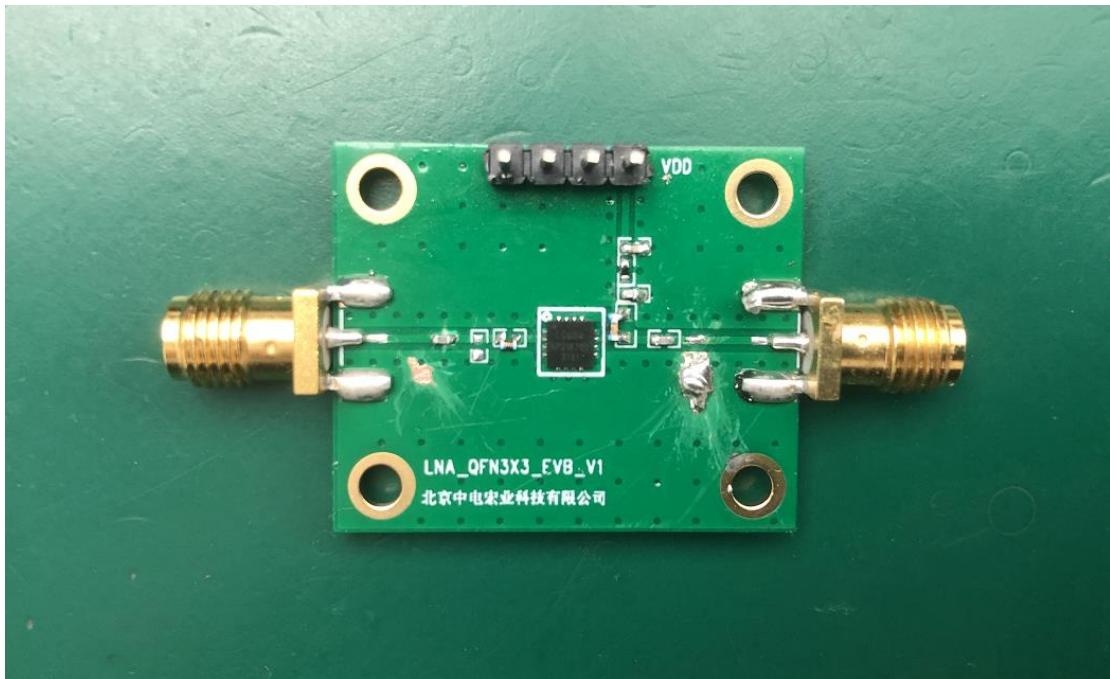


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四、评估板原理图



五、评估板实物图



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