
多通道AOM驱动模块

测试报告

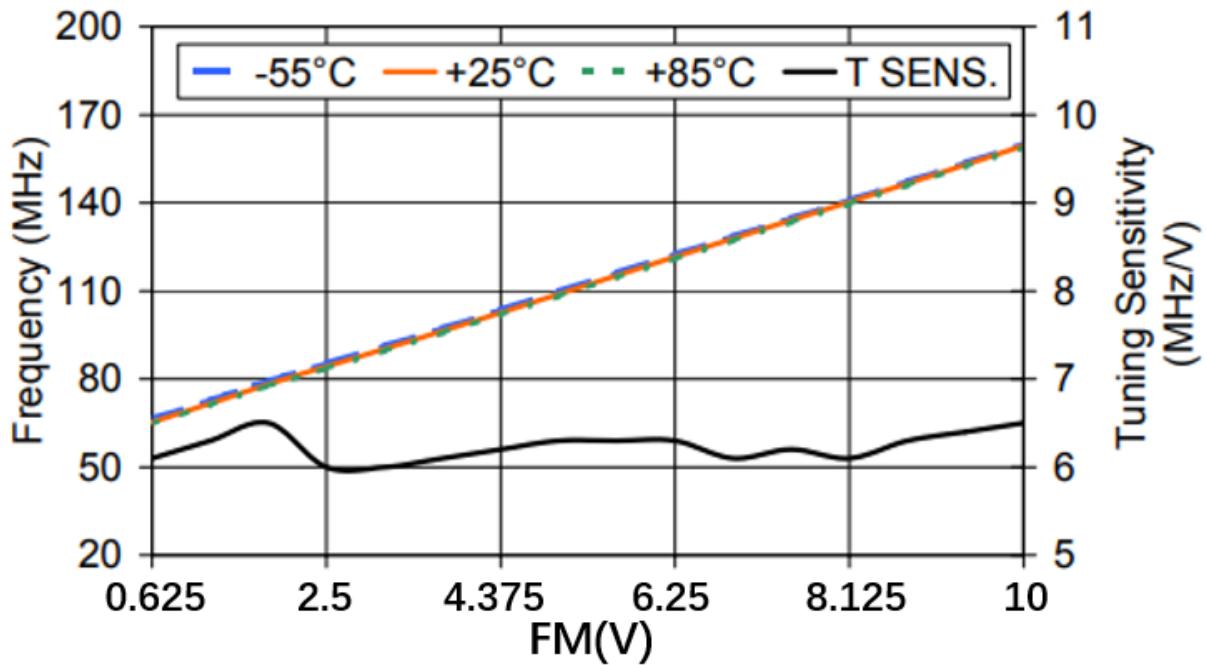
序列号S/N	型号Model	时间 date	测试Operate
	RS-MCRFD-CH-A-2	2025.10.11	



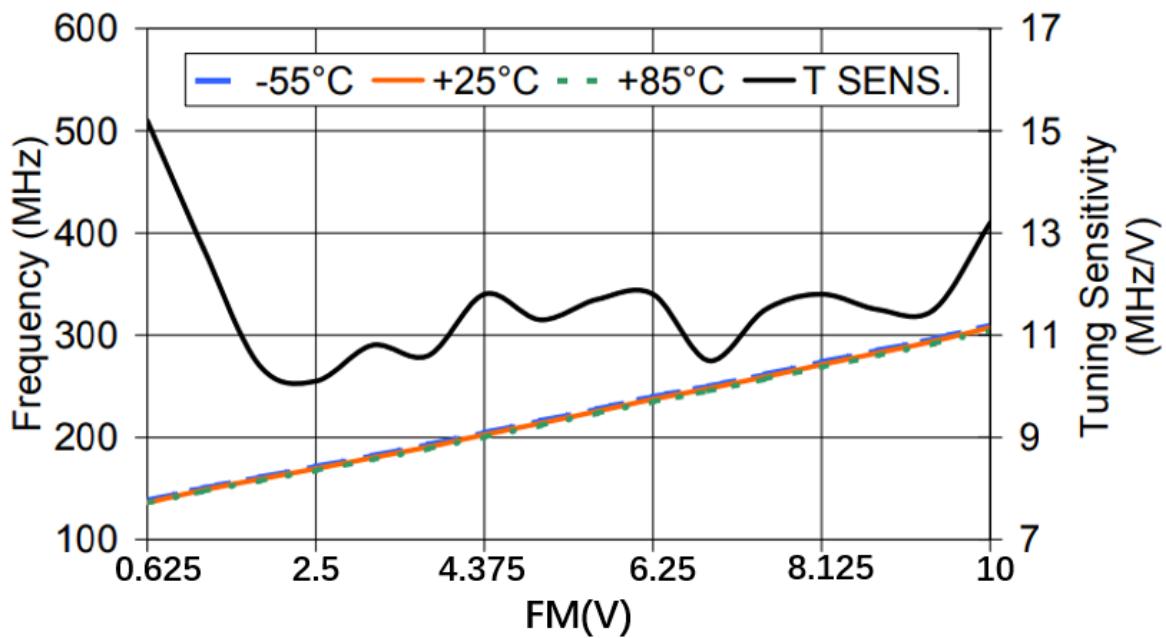
武汉锐昱科技有限公司

锐昱科技 RaySun Technology Co.,Ltd. Email: ray@raysun.tech

1、外部 FM 电压对应典型频率输出



75-150MHz通道 电压-频率典型对应关系

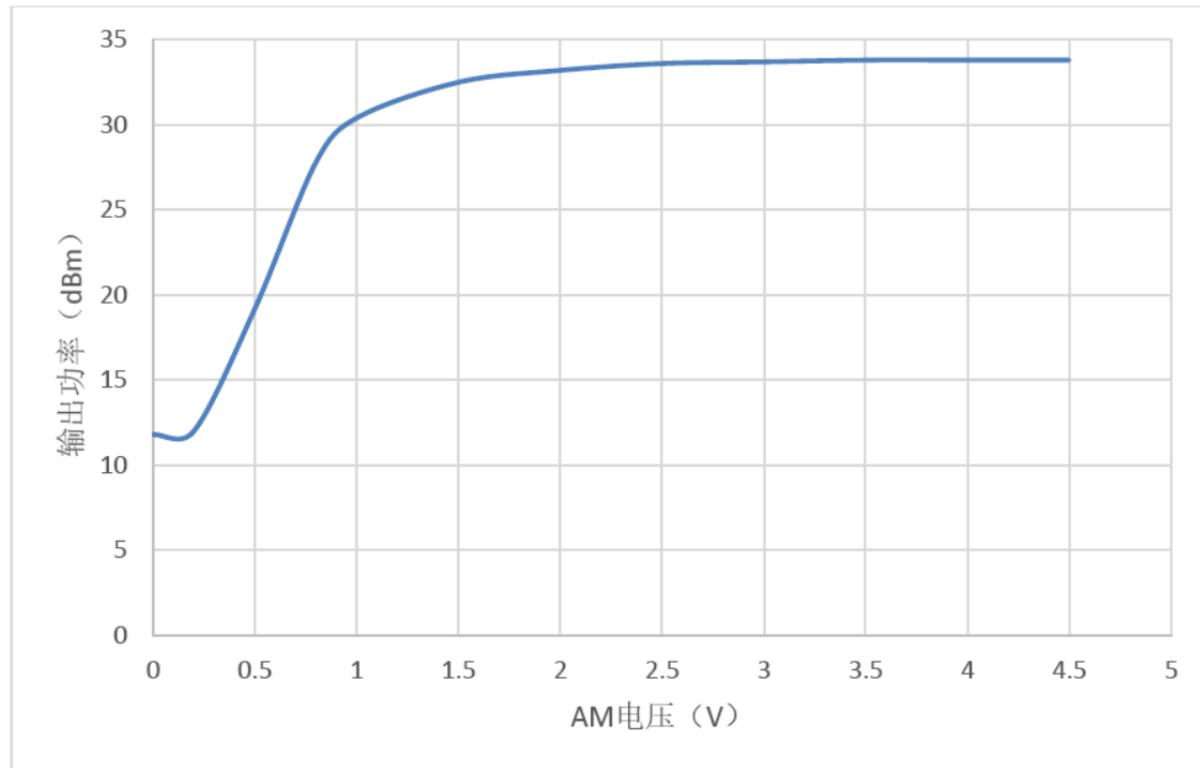


150-280MHz通道 电压-频率典型对应关系

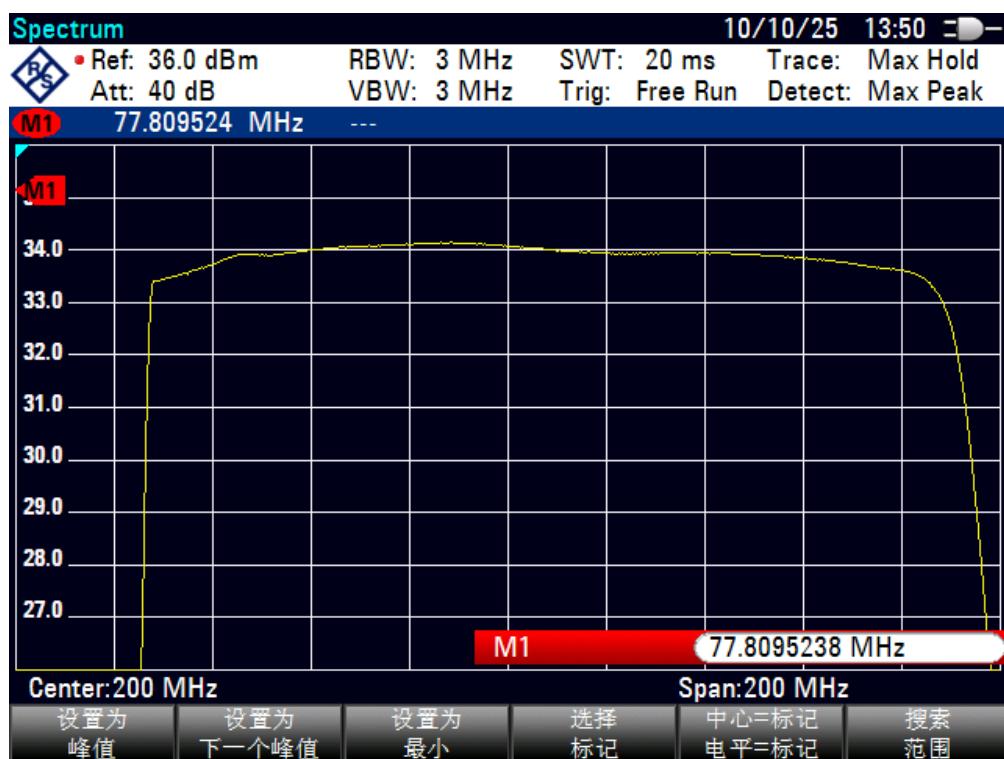
2、输出功率和开关隔离度

CH1 输出功率:

AM电压 (V)	0	0.2	0.5	0.8	1	1.5	2	2.5	3	3.5	4	4.5
输出功率 (dBm)	11.8	12	19.2	27.8	30.4	32.5	33.2	33.6	33.7	33.8	33.8	33.8

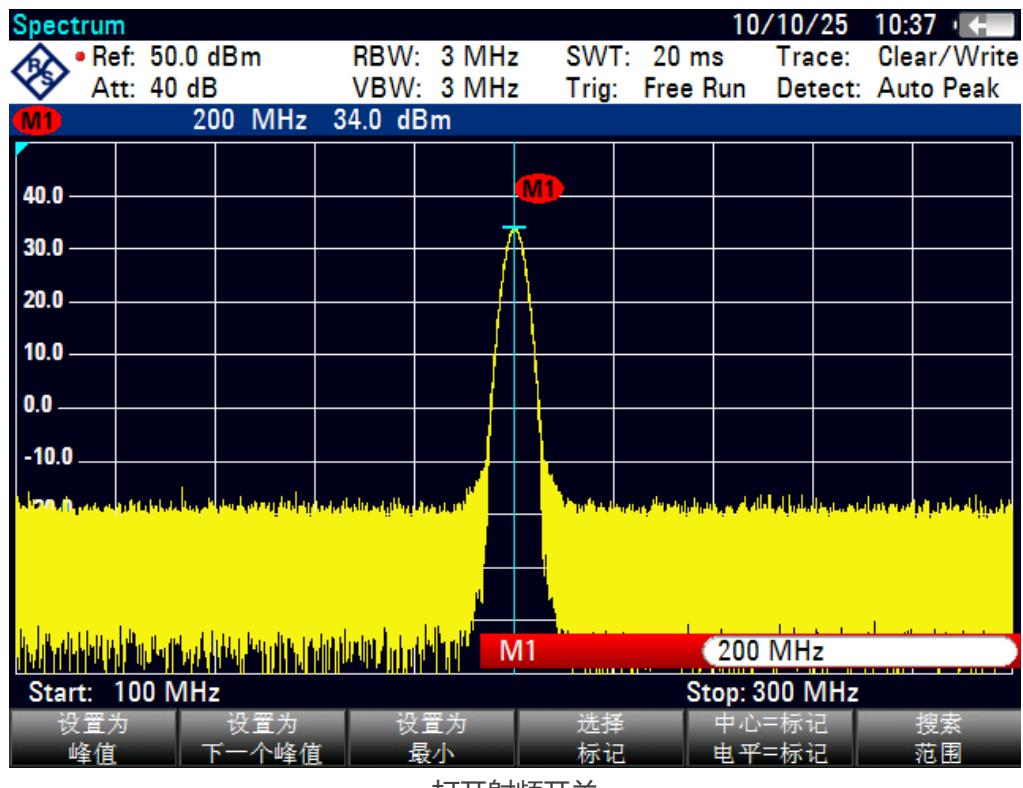


外部AM电压与输出功率@200MHz

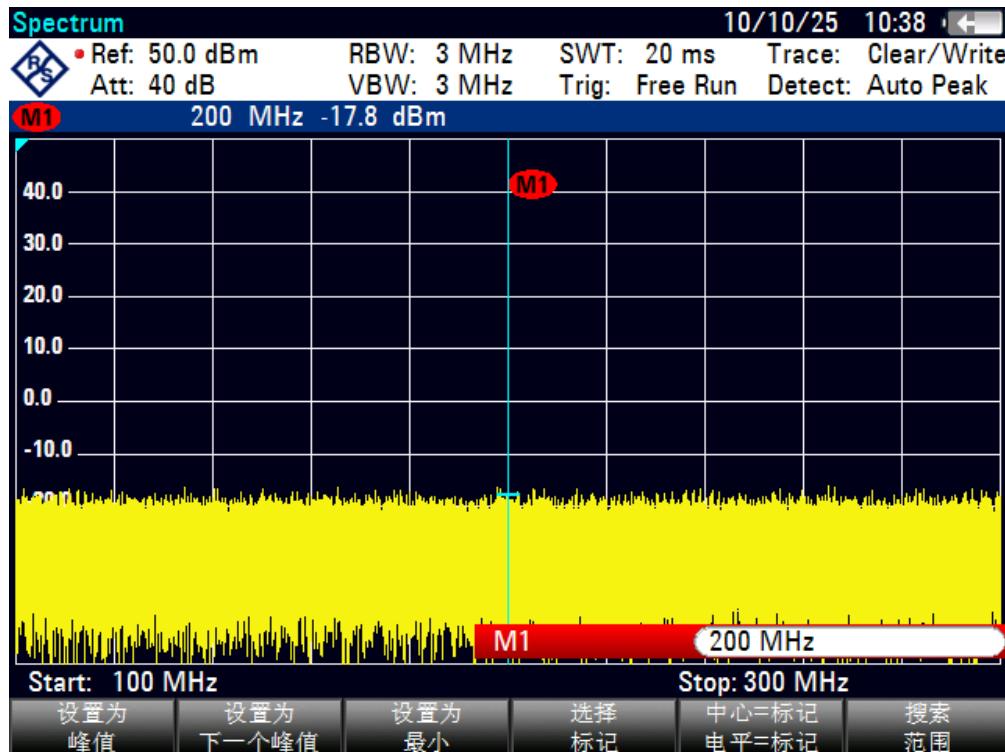


不同频率点下最大输出功率

CH1 开关隔离度:



打开射频开关

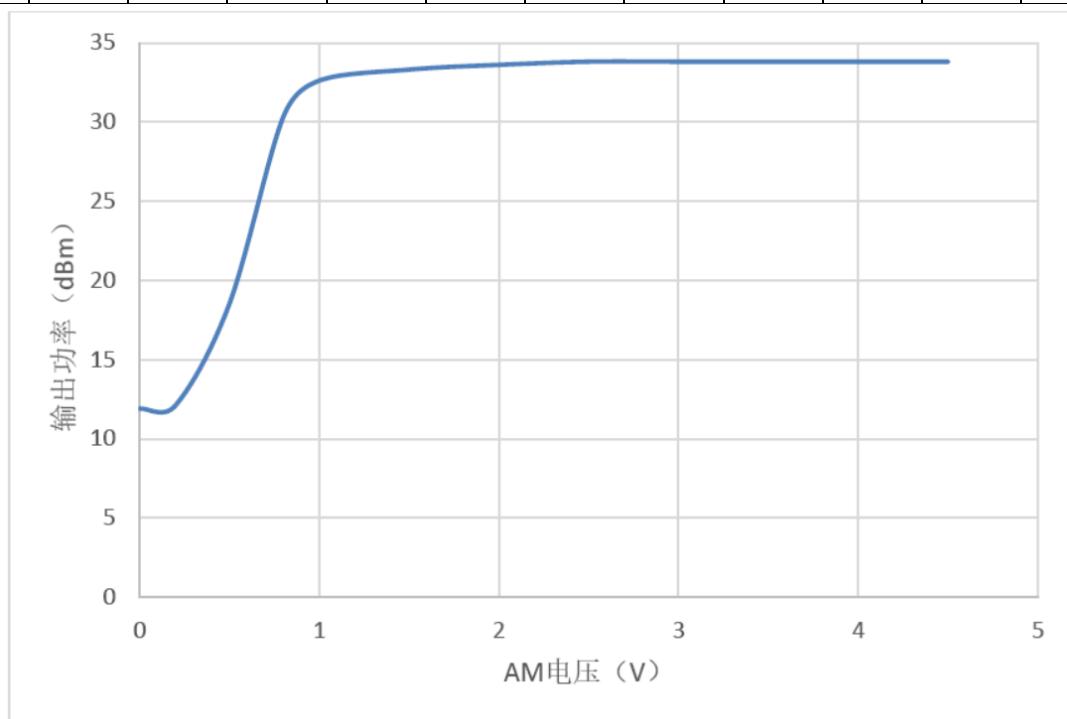


关闭射频开关

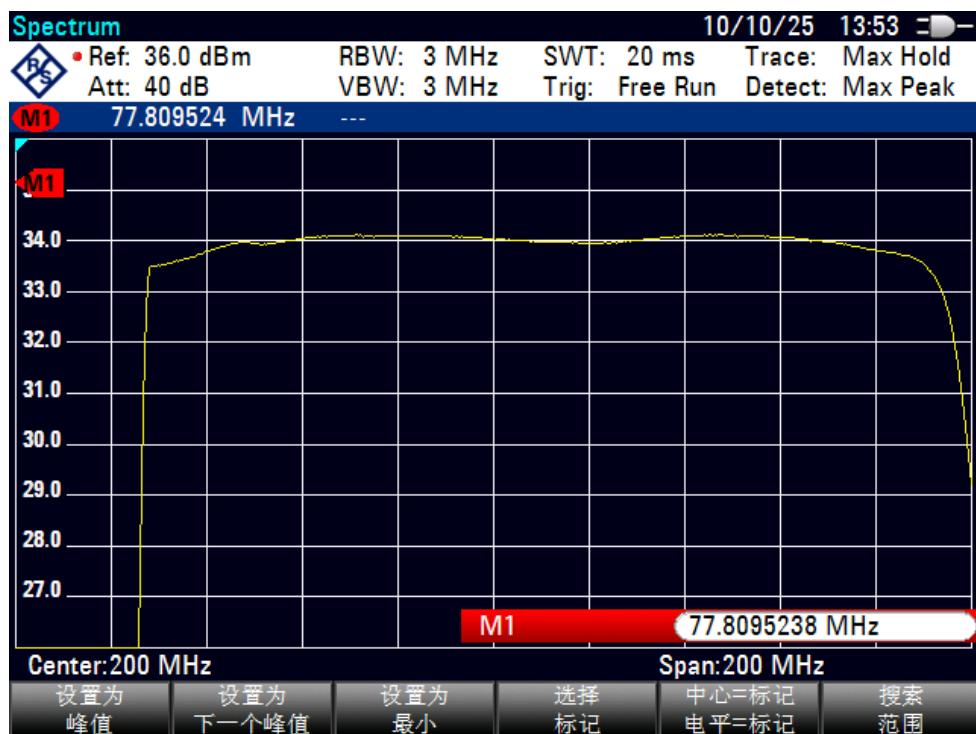
典型开关隔离度: 51.8dB

CH2 输出功率:

AM电压 (V)	0	0.2	0.5	0.8	1	1.5	2	2.5	3	3.5	4	4.5
输出功率 (dBm)	11.9	12.1	18.5	30.3	32.6	33.3	33.6	33.8	33.8	33.8	33.8	33.8

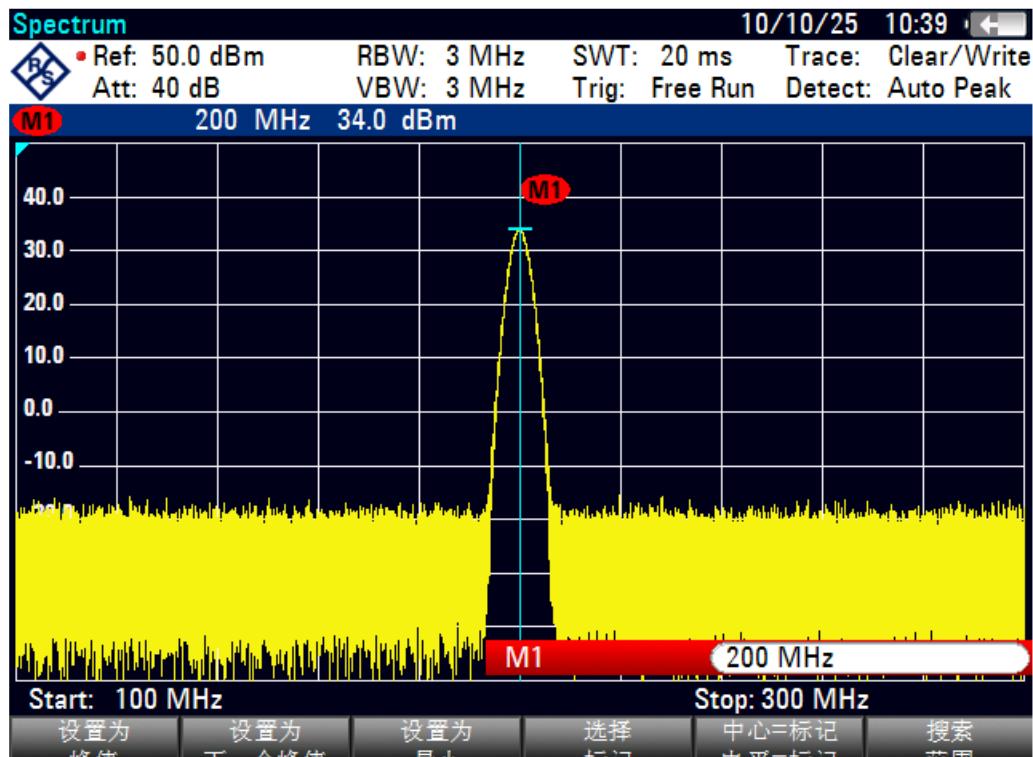


外部AM电压与输出功率@200MHz

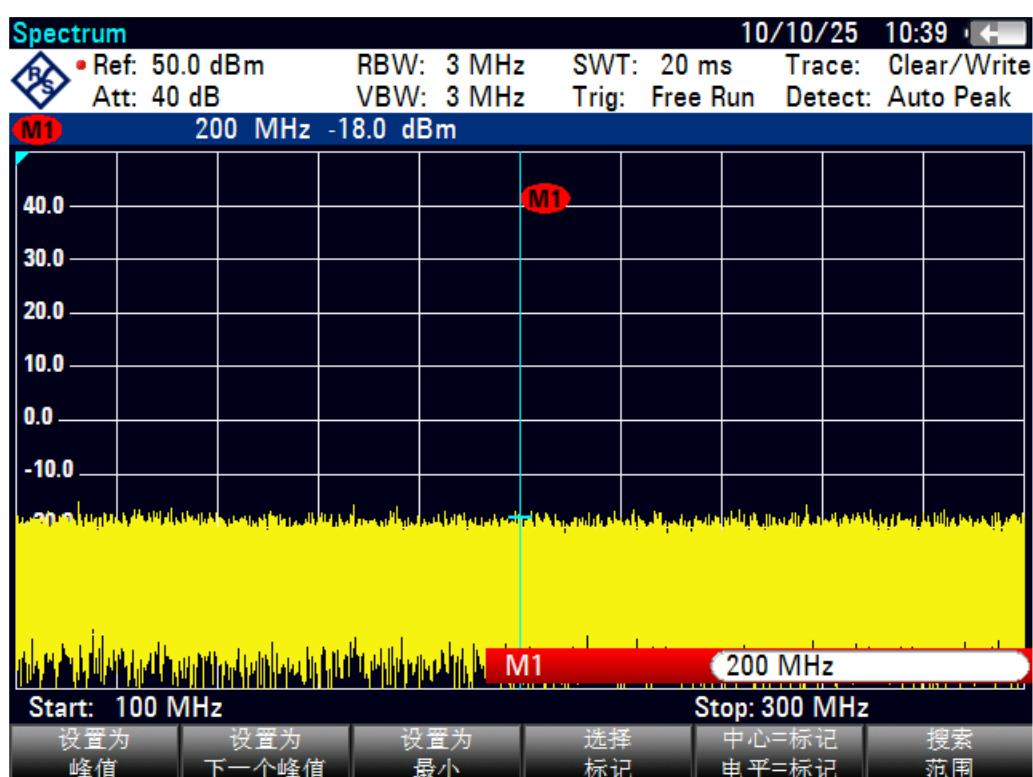


不同频率点下最大输出功率

CH2 开关隔离度:



打开射频开关

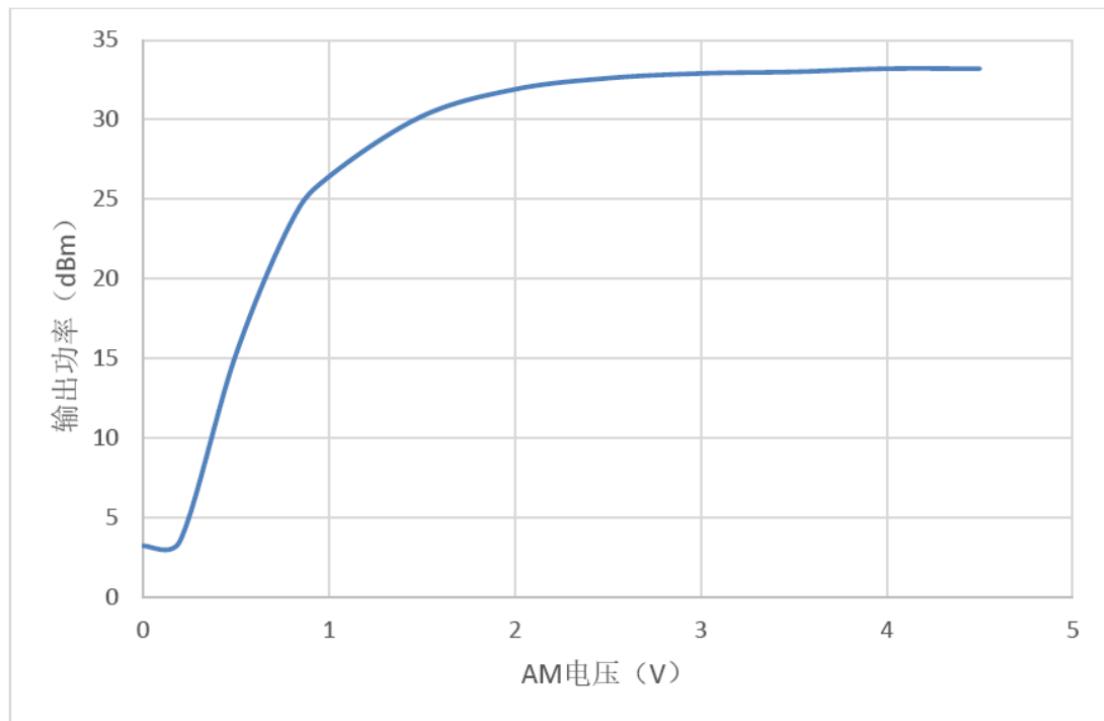


关闭射频开关

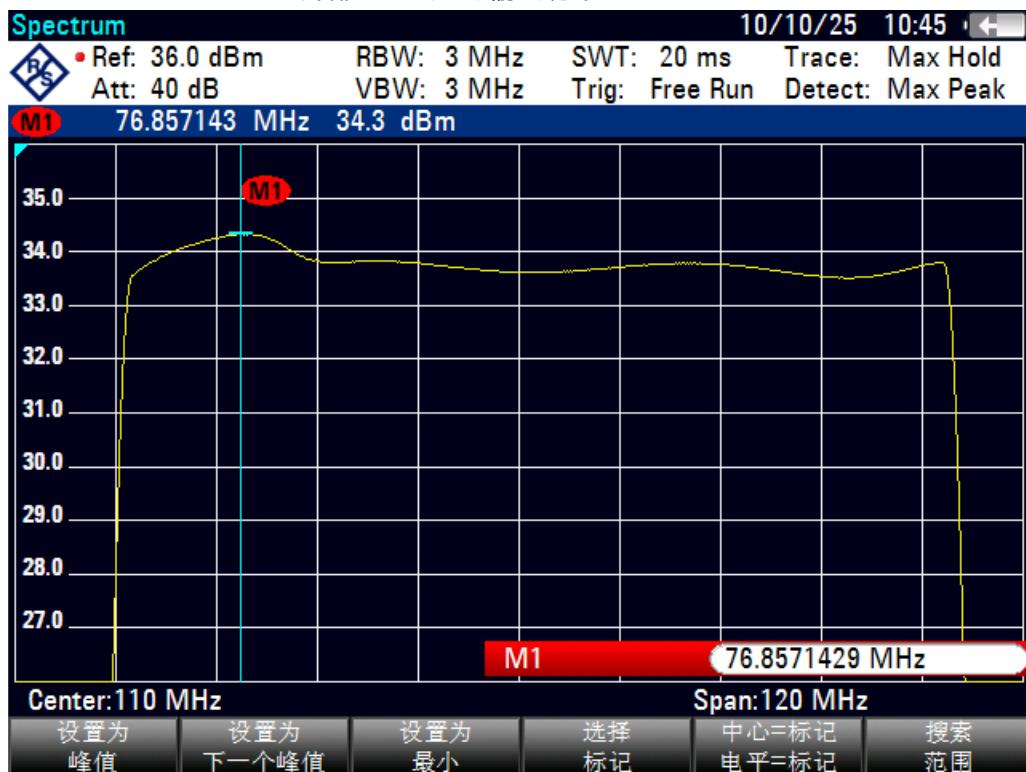
典型开关隔离度: 52dB。

CH3输出功率:

AM电压 (V)	0	0.2	0.5	0.8	1	1.5	2	2.5	3	3.5	4	4.5
输出功率 (dBm)	3.2	3.5	15.2	23.6	26.4	30.2	31.9	32.6	32.9	33	33.2	33.2

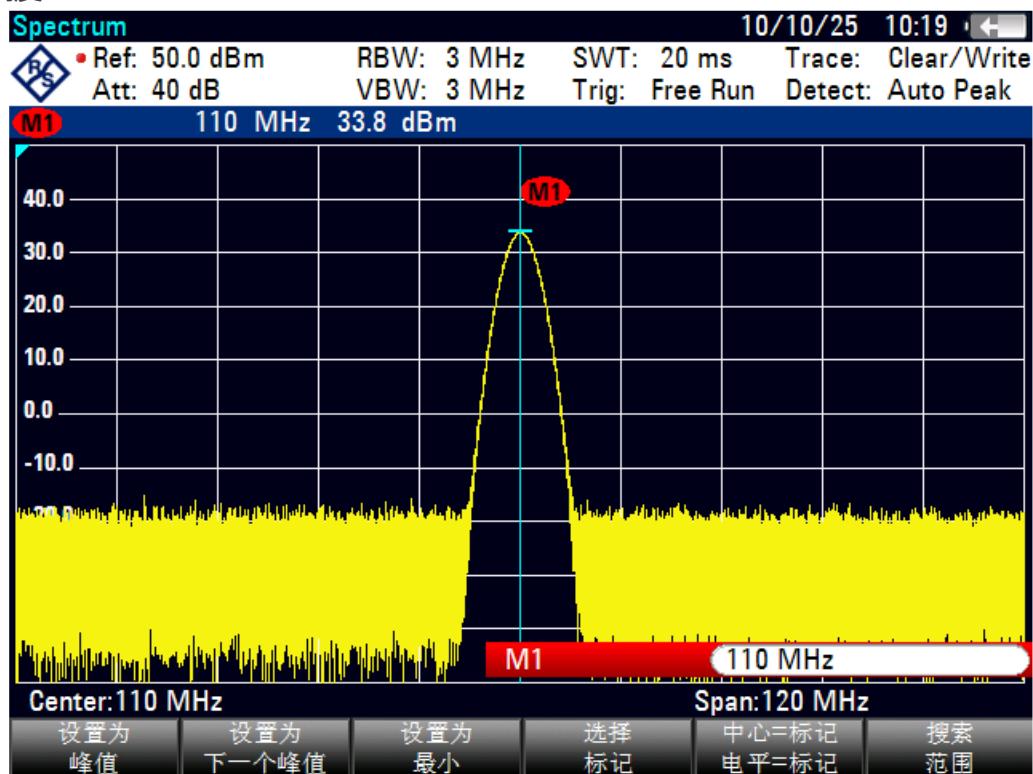


外部AM电压与输出功率@110MHz

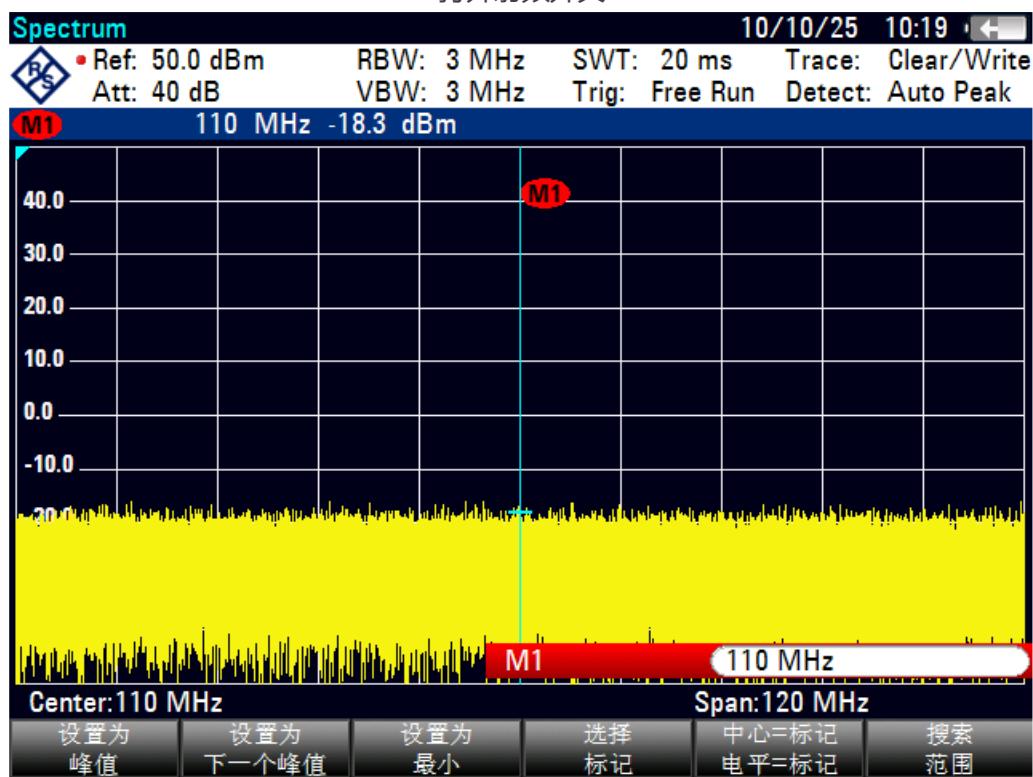


不同频率点下最大输出功率

CH3 开关隔离度:



打开射频开关

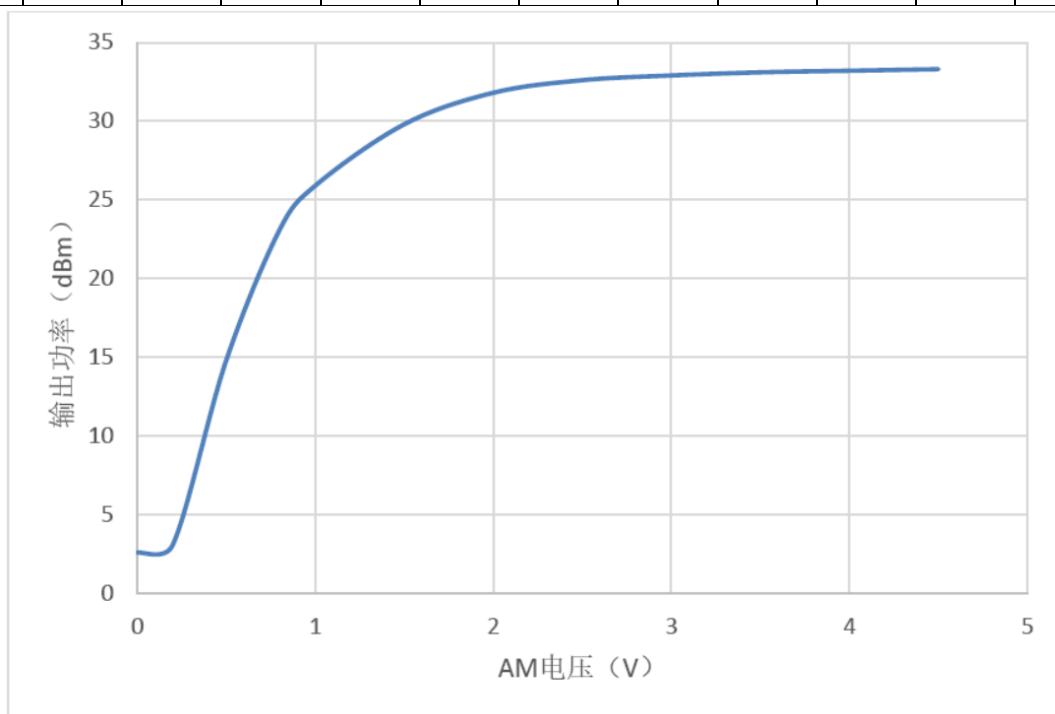


关闭射频开关

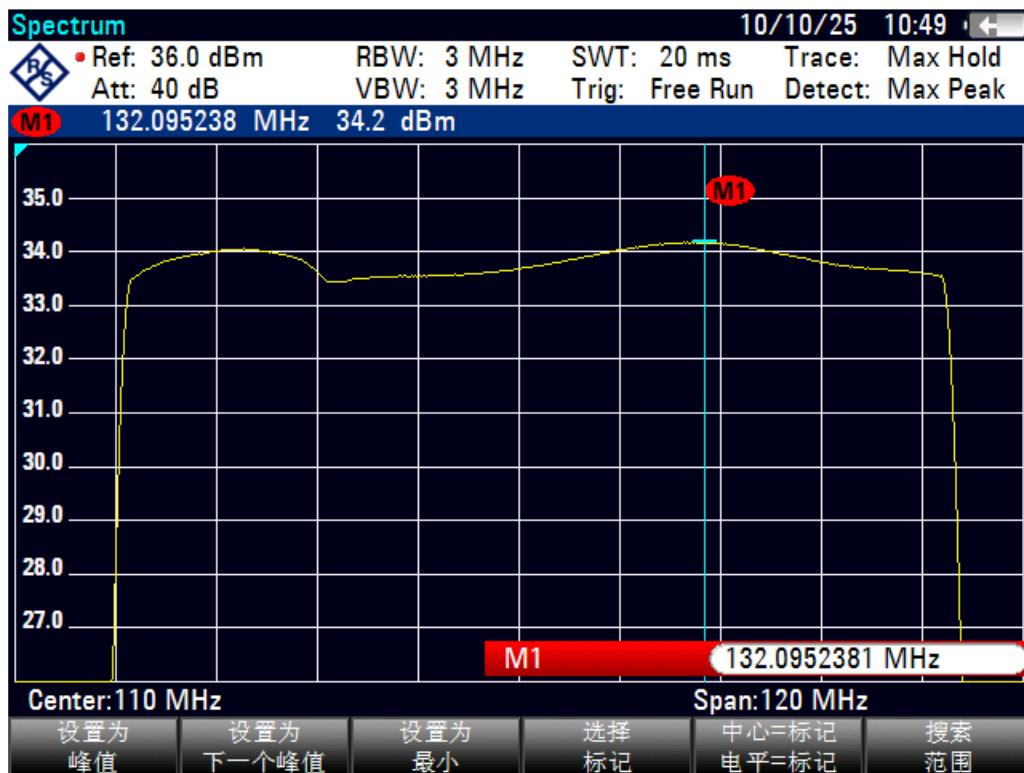
典型开关隔离度: 52.1dB。

CH4 输出功率:

AM电压 (V)	0	0.2	0.5	0.8	1	1.5	2	2.5	3	3.5	4	4.5
输出功率 (dBm)	2.6	3.1	14.8	23.1	25.9	29.8	31.8	32.6	32.9	33.1	33.2	33.3

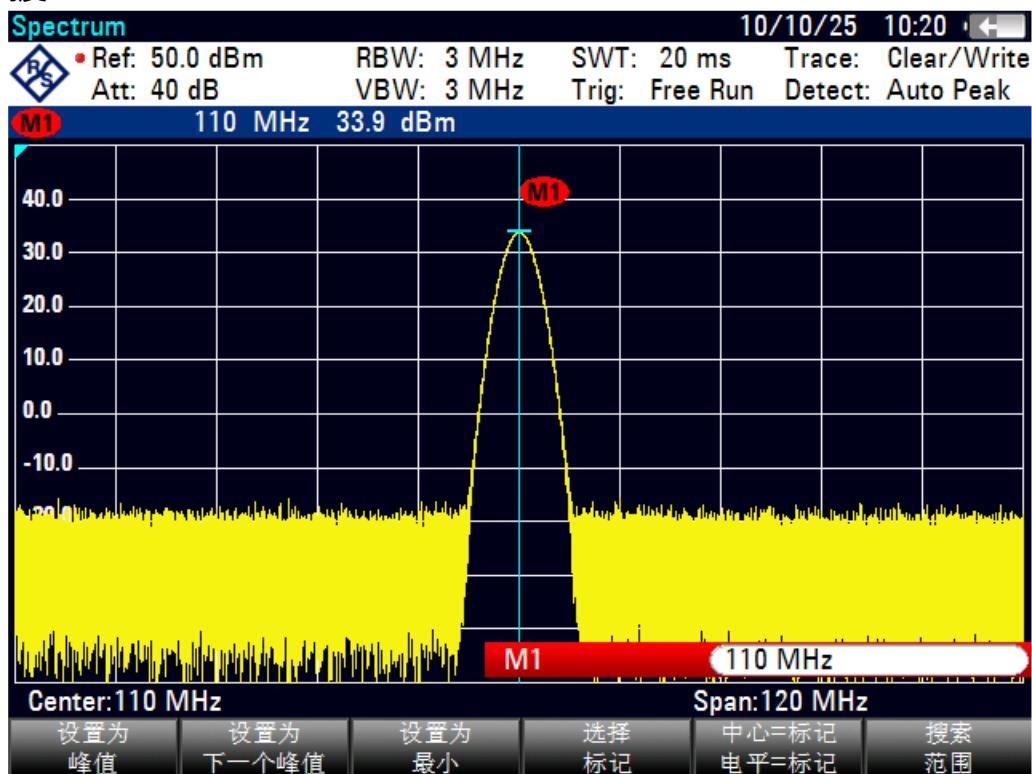


外部AM电压与输出功率@110MHz

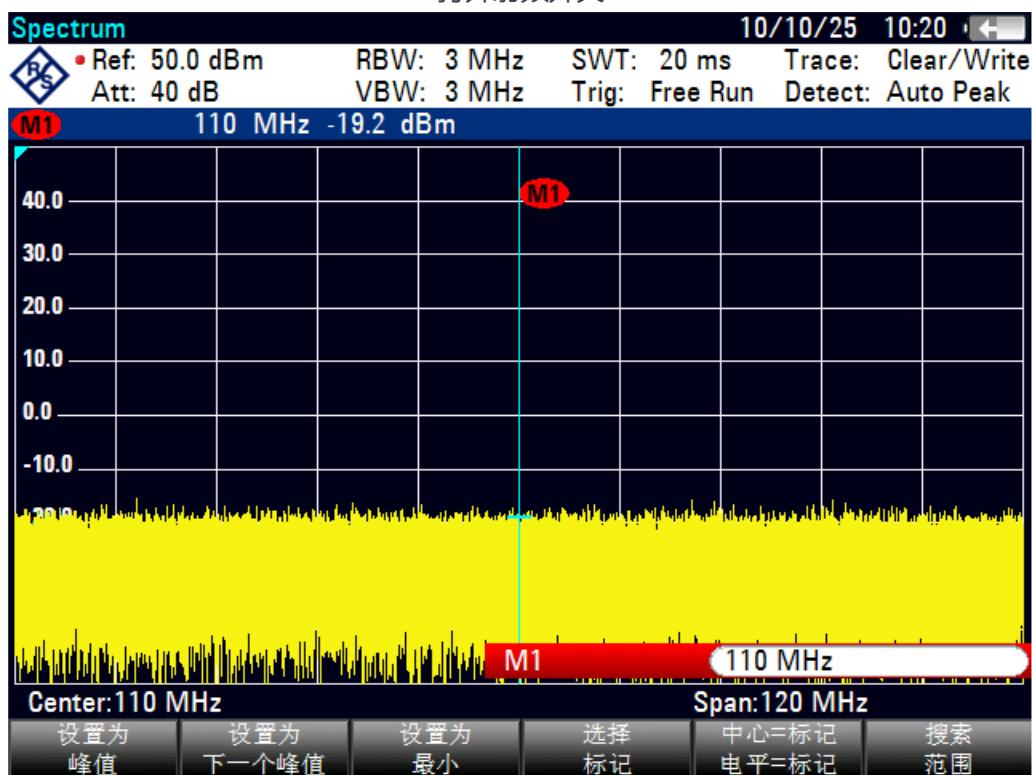


不同频率点下最大输出功率

CH4 开关隔离度：



打开射频开关

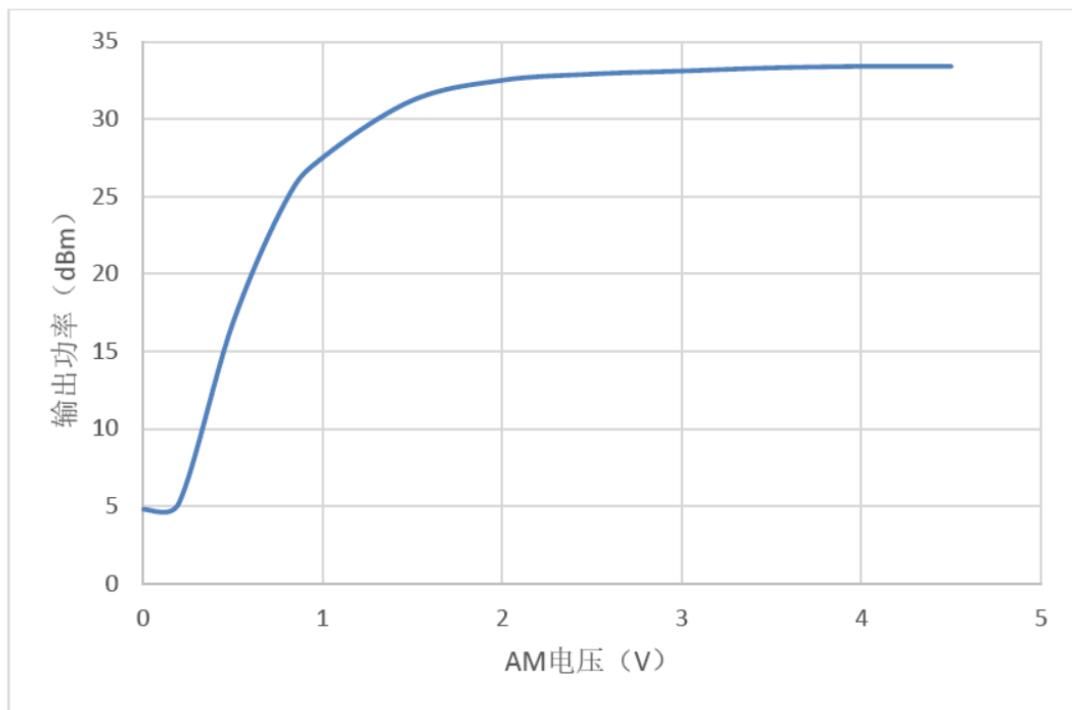


关闭射频开关

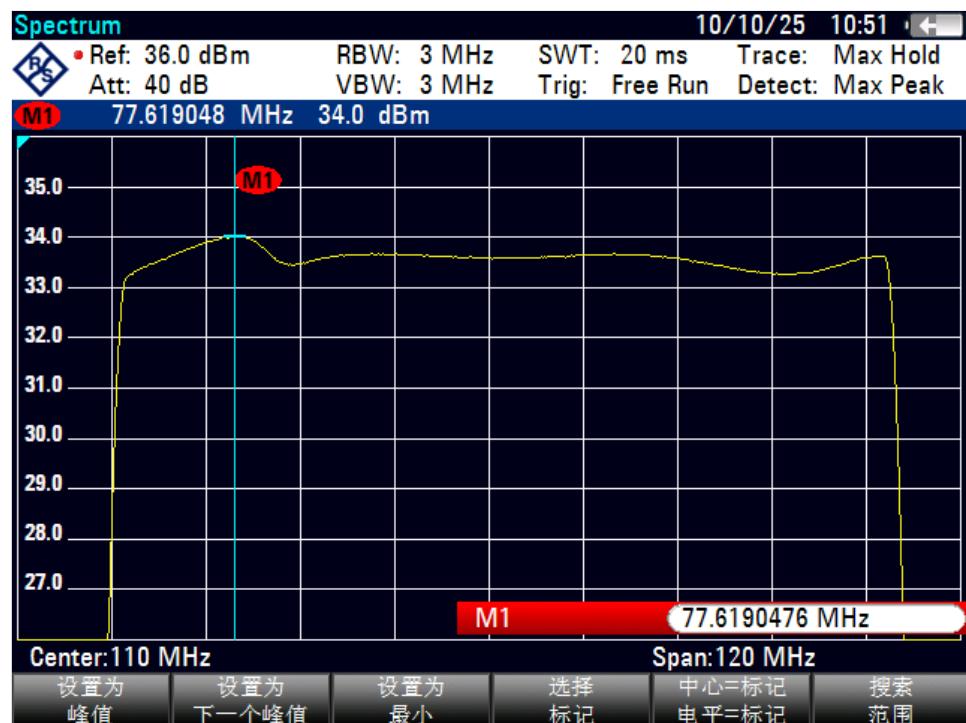
典型开关隔离度： 53.1dB。

CH5 输出功率:

AM电压 (V)	0	0.2	0.5	0.8	1	1.5	2	2.5	3	3.5	4	4.5
输出功率 (dBm)	4.8	5.2	16.8	24.8	27.5	31.2	32.5	32.9	33.1	33.3	33.4	33.4

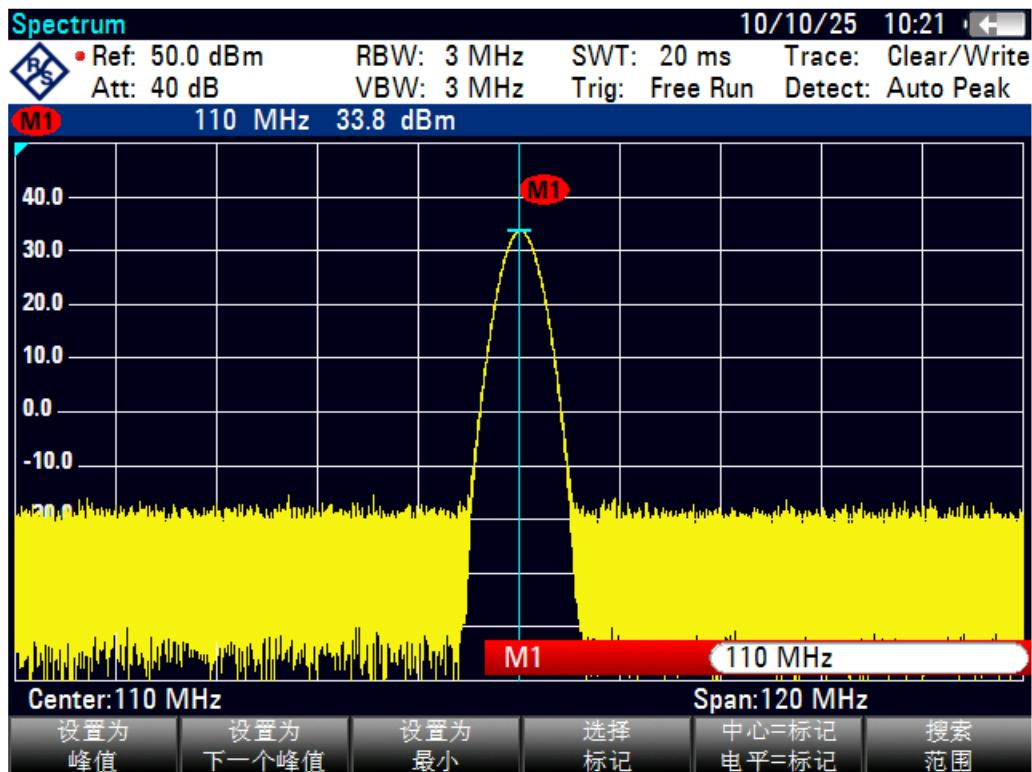


外部AM电压与输出功率@110MHz

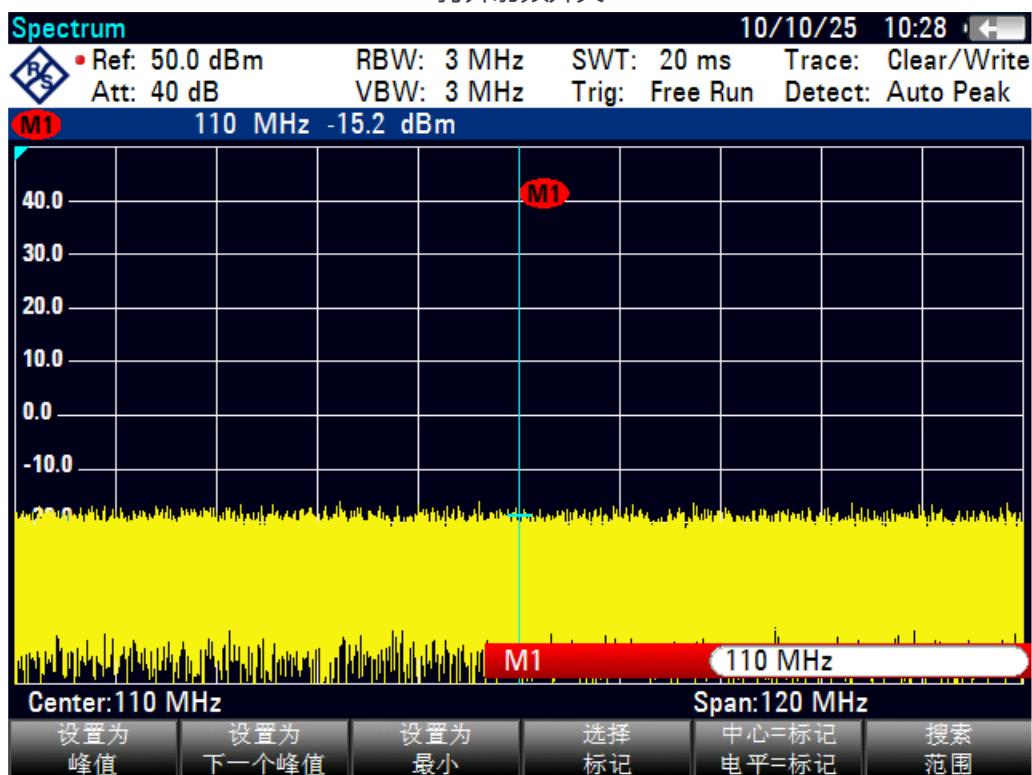


不同频率点下最大输出功率

CH5 开关隔离度:



打开射频开关

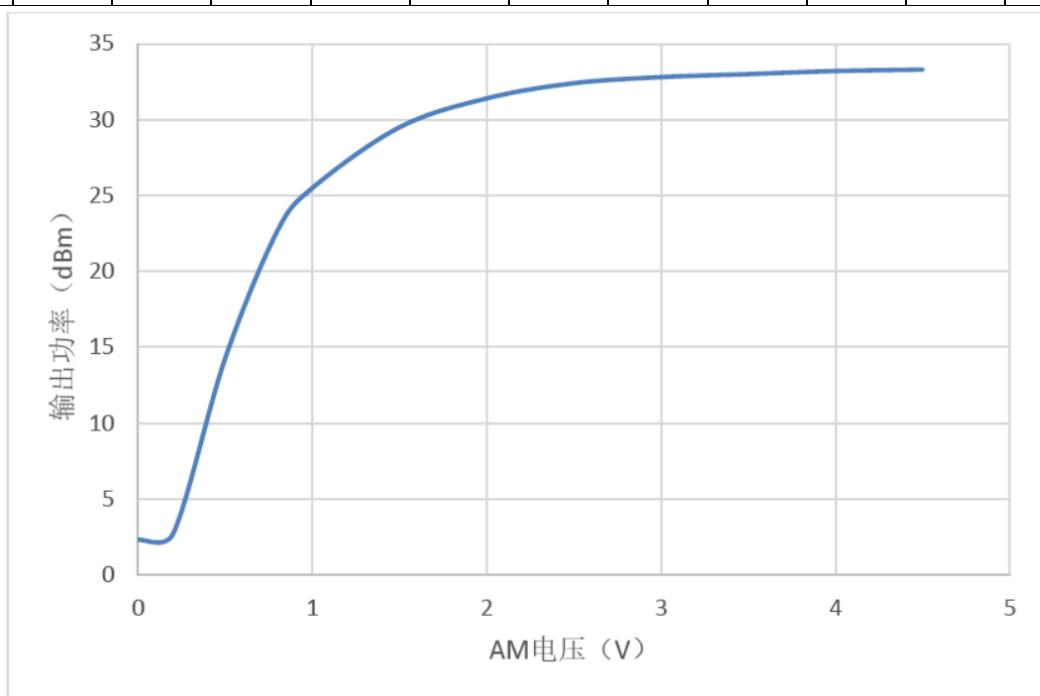


关闭射频开关

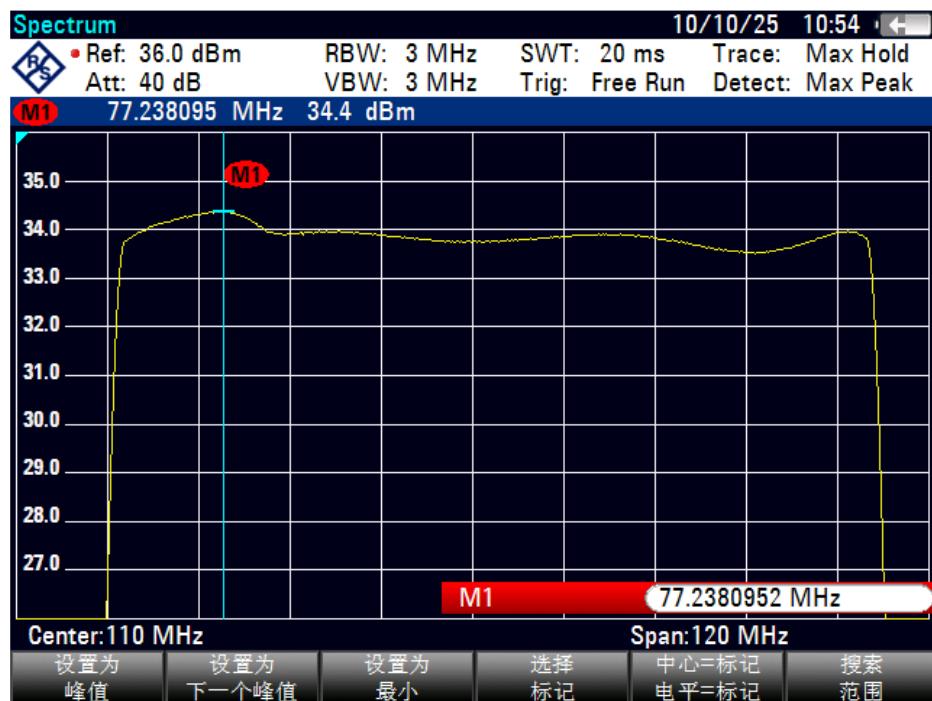
典型开关隔离度: 49dB。

CH6 输出功率:

AM电压 (V)	0	0.2	0.5	0.8	1	1.5	2	2.5	3	3.5	4	4.5
输出功率 (dBm)	2.3	2.7	14.3	22.7	25.5	29.5	31.4	32.4	32.8	33	33.2	33.3

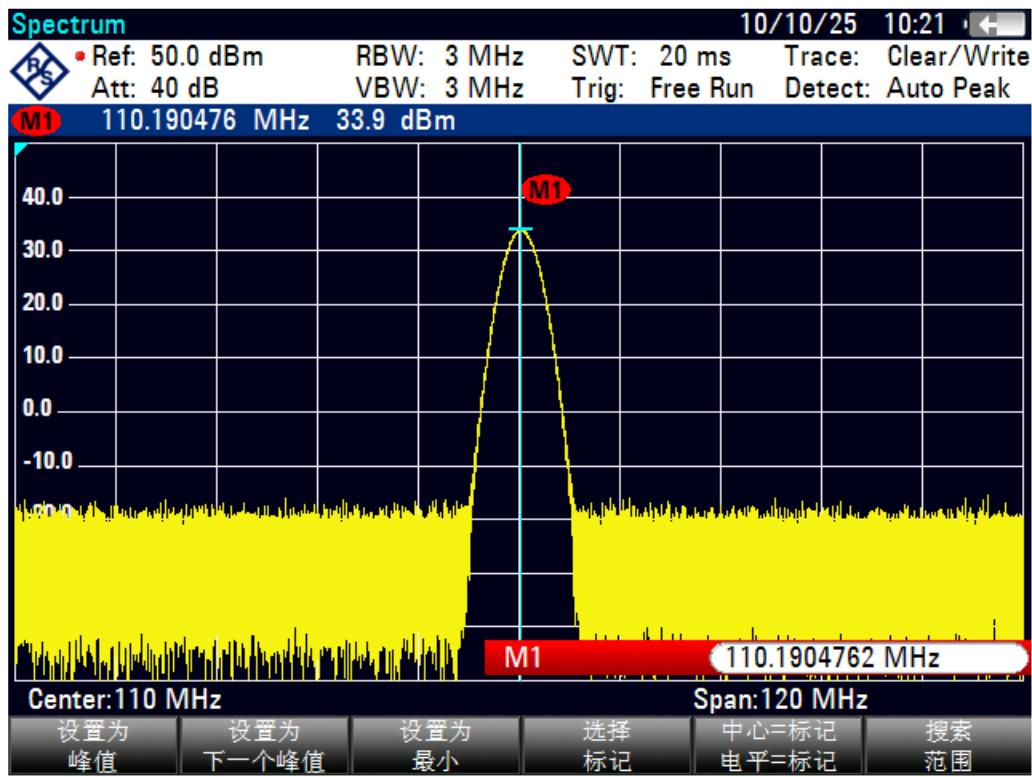


外部AM电压与输出功率@110MHz

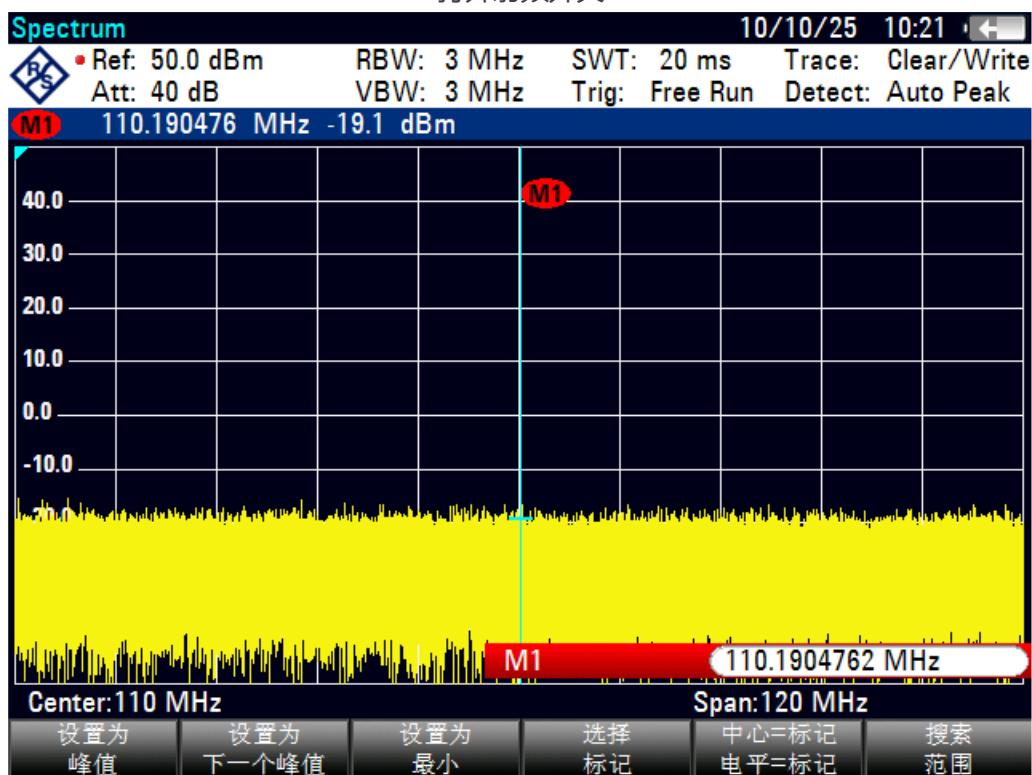


不同频率点下最大输出功率

CH6 开关隔离度:



打开射频开关

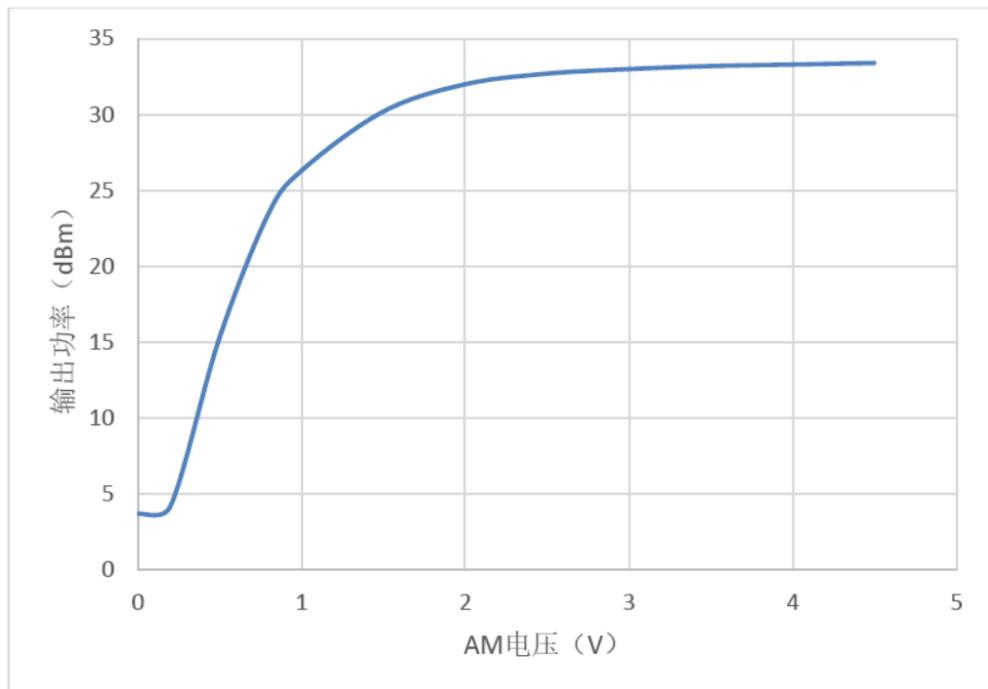


关闭射频开关

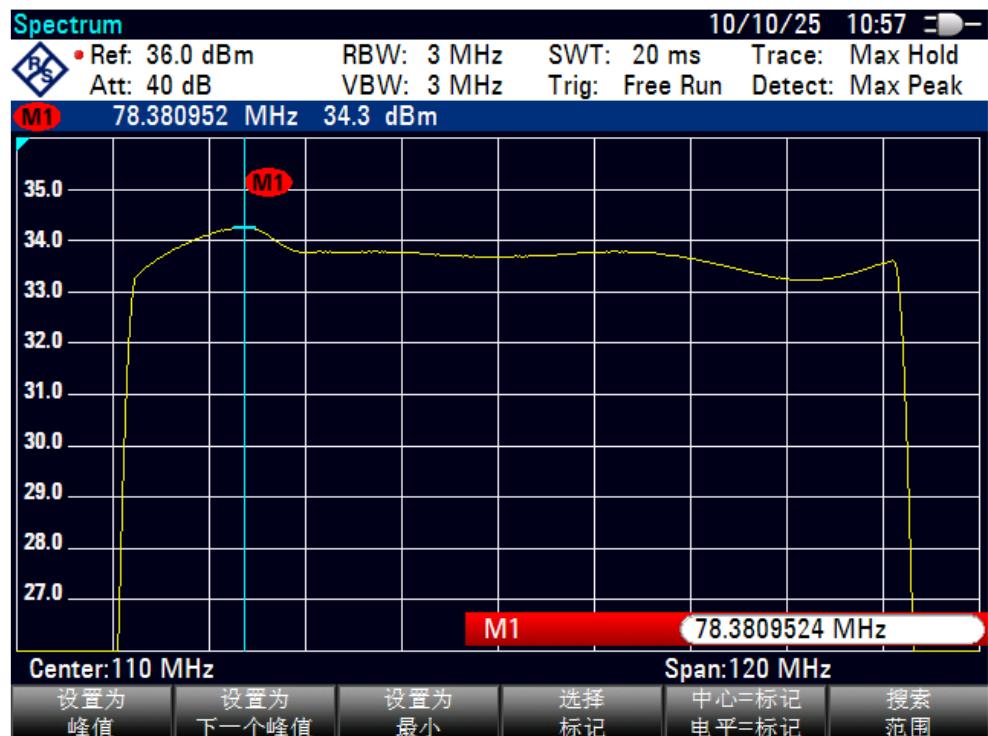
典型开关隔离度: 53dB。

CH7 输出功率:

AM电压 (V)	0	0.2	0.5	0.8	1	1.5	2	2.5	3	3.5	4	4.5
输出功率 (dBm)	3.7	4.2	15.3	23.5	26.3	30.2	32	32.7	33	33.2	33.3	33.4

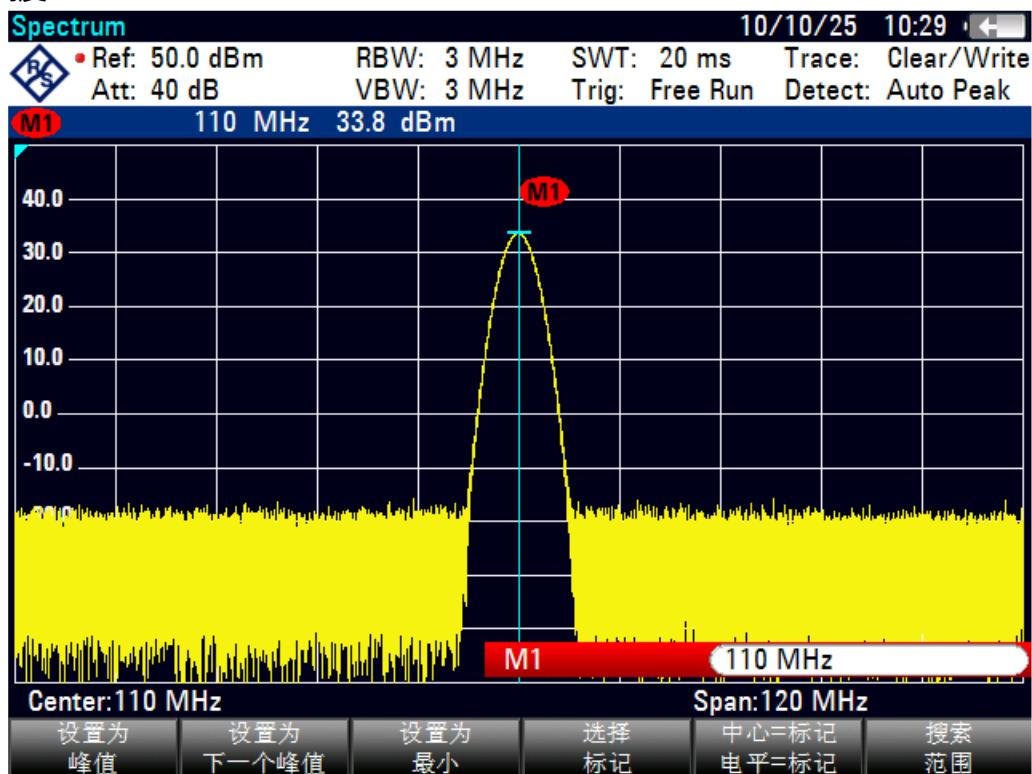


外部AM电压与输出功率@110MHz

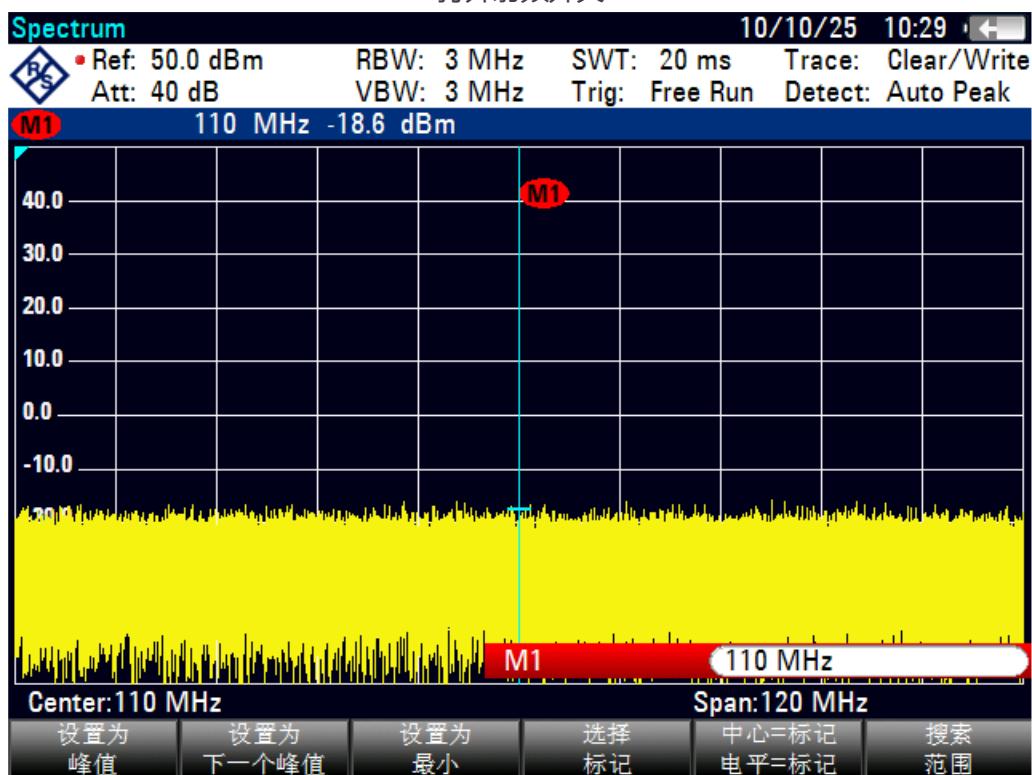


不同频率点下最大输出功率

CH7 开关隔离度:



打开射频开关

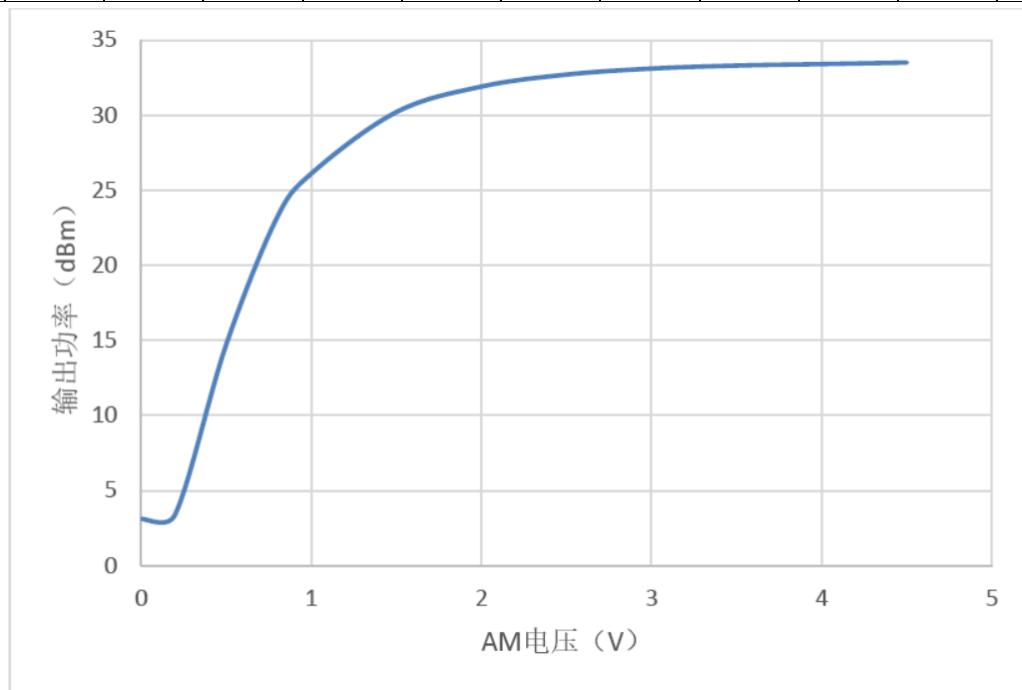


关闭射频开关

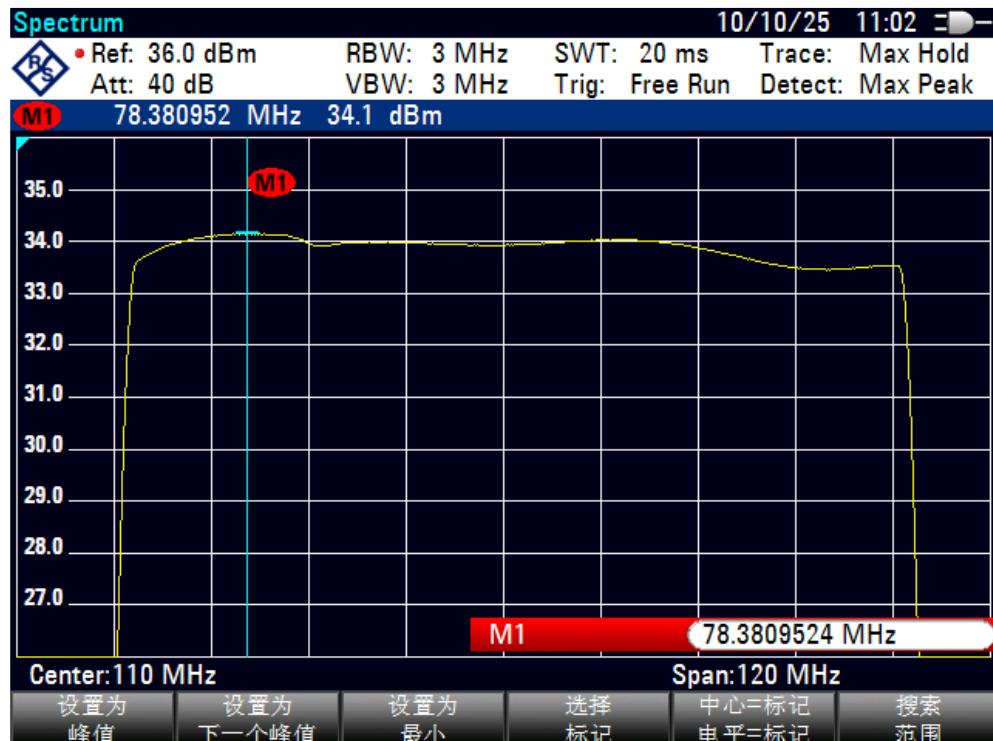
典型开关隔离度: 52.4dB。

CH8 输出功率:

AM电压 (V)	0	0.2	0.5	0.8	1	1.5	2	2.5	3	3.5	4	4.5
输出功率 (dBm)	3.1	3.4	14.7	23.2	26.1	30.2	31.9	32.7	33.1	33.3	33.4	33.5

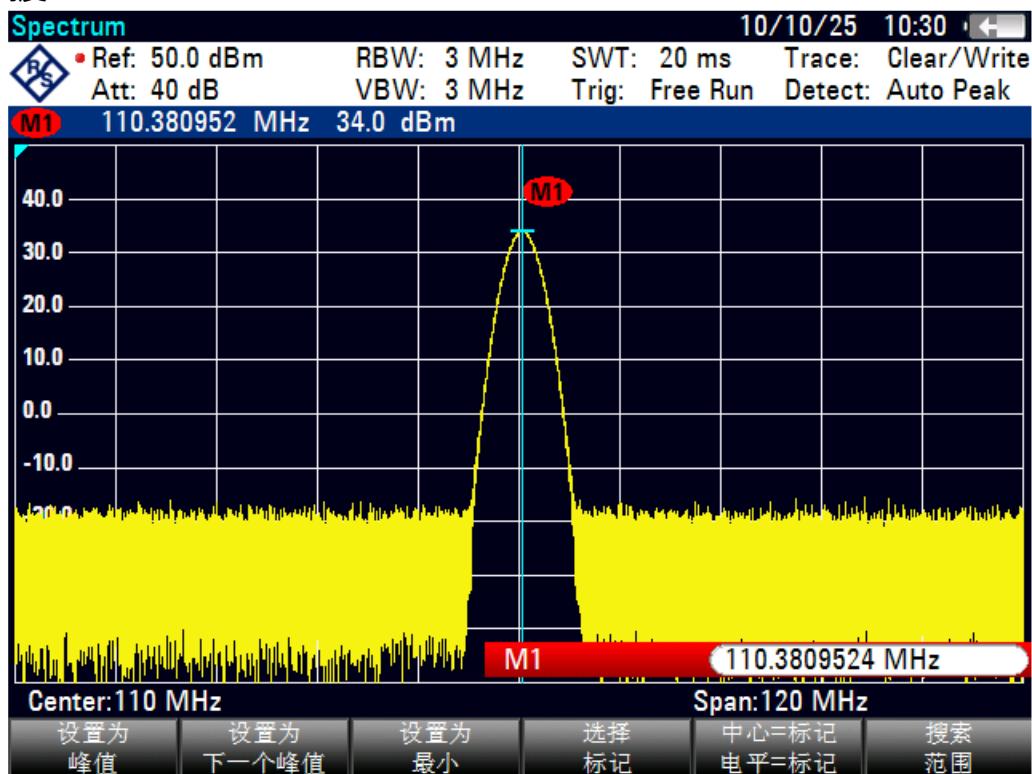


外部AM电压与输出功率@110MHz

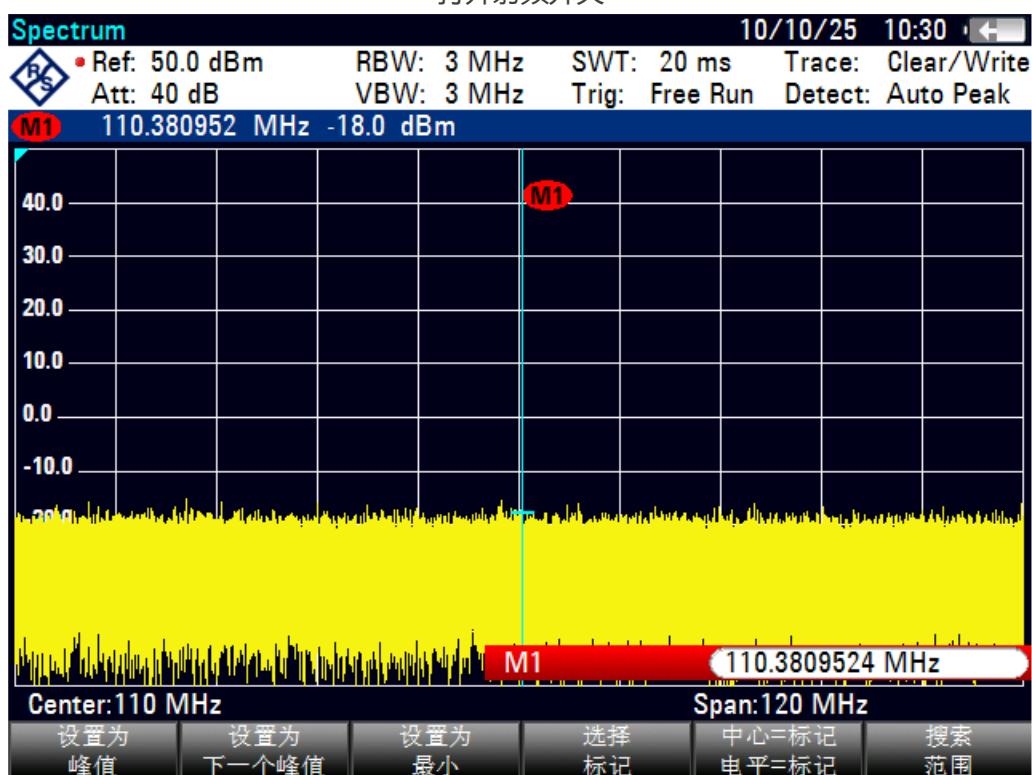


不同频率点下最大输出功率

CH8 开关隔离度：



打开射频开关



关闭射频开关

典型开关隔离度： 52dB。

结论: 合格
Result: Qualified

核 对:
Audit by:

批 准:
Apporve:

时 间:
Date: