

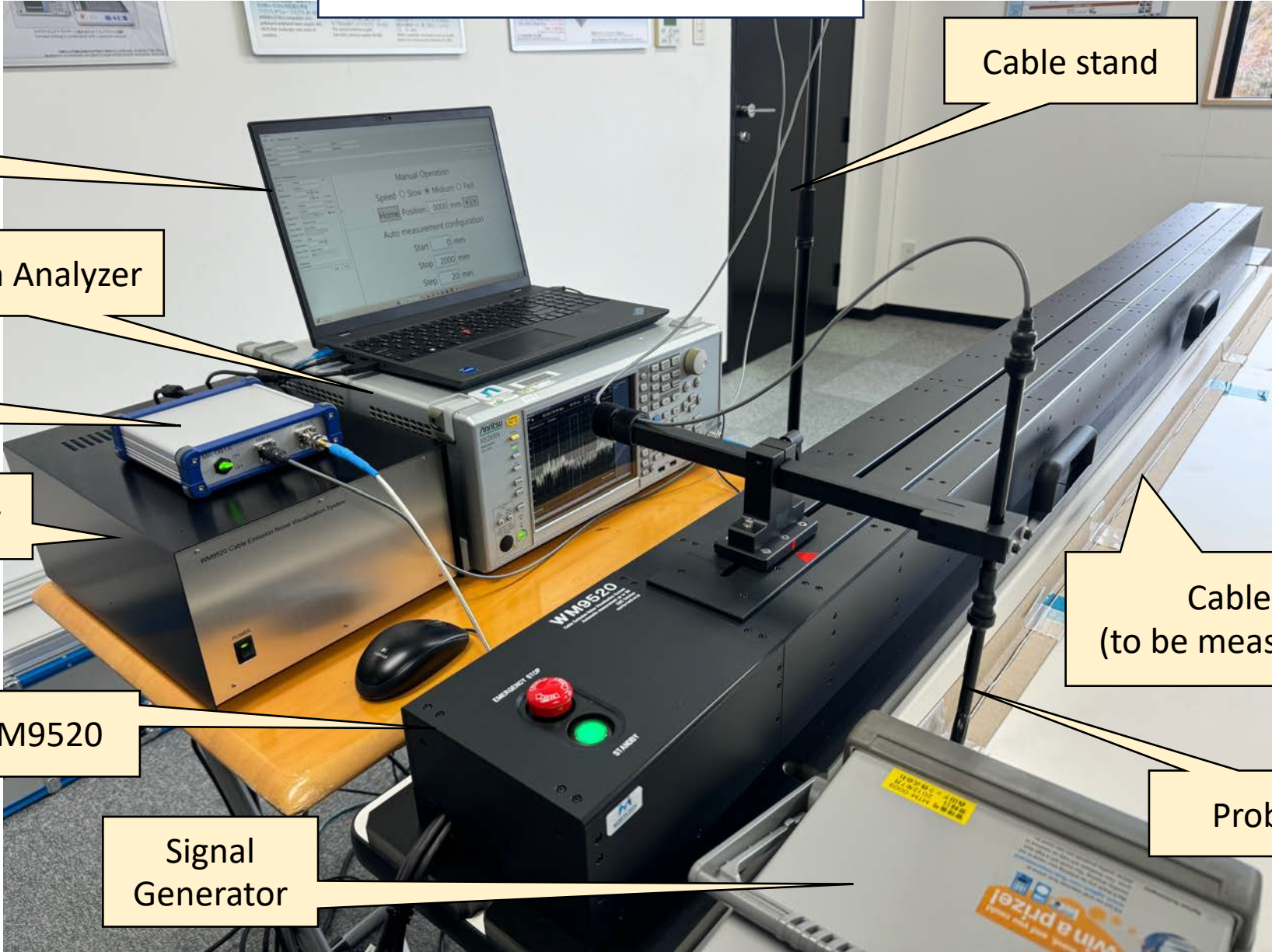
WM9520

Measuring Test Report

January 12, 2024

Morita Tech Co., Ltd.

System Configuration



PC

Spectrum Analyzer

AMP

Controller

WM9520

Signal Generator

Cable stand

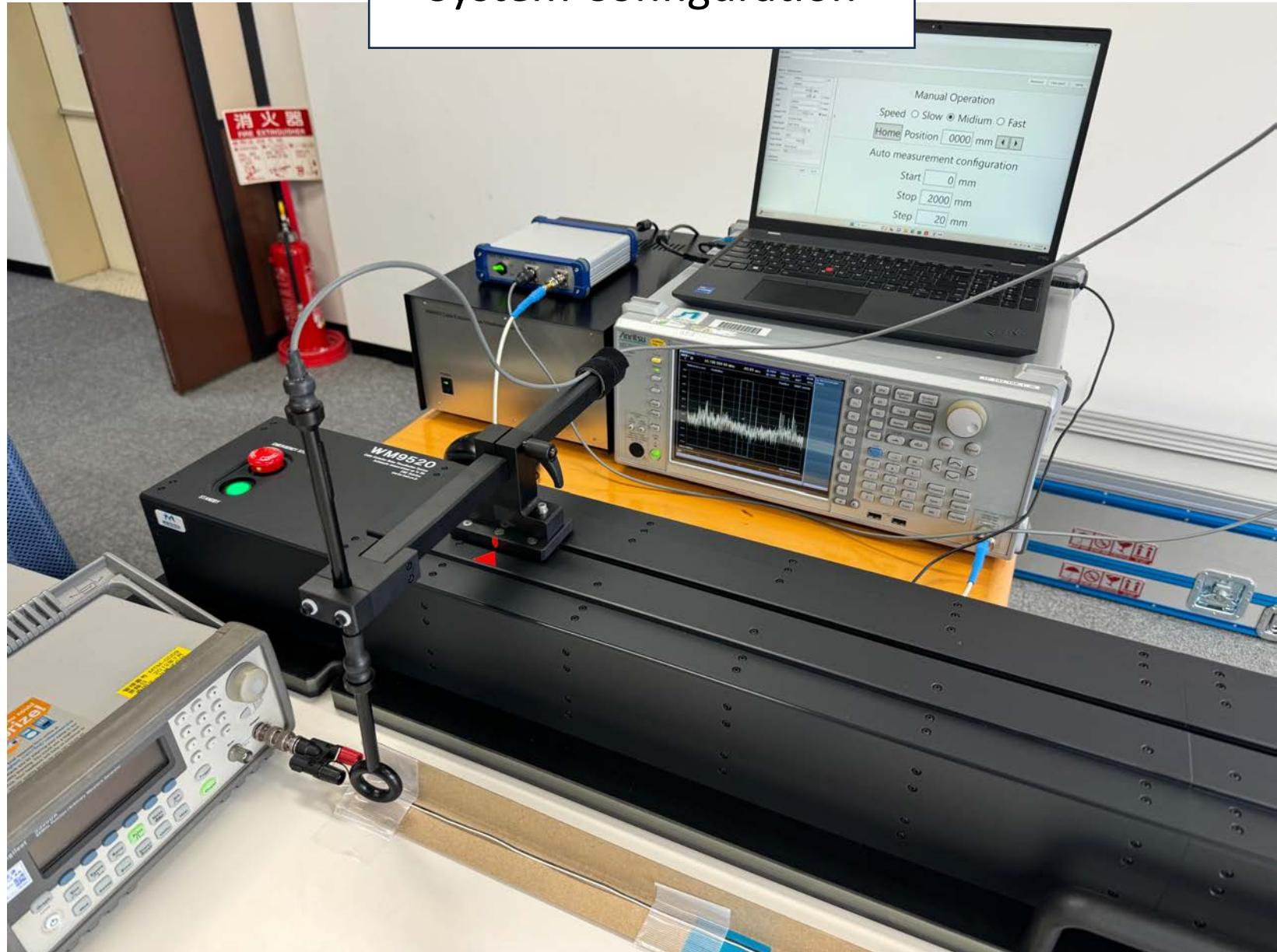
Cable (to be measured)

Probe

System Configuration



System Configuration



| Equipment | Manufacturer & Model Number |
|-------------------|---------------------------------|
| Spectrum Analyzer | Anritsu MS2830A |
| AMP | Morita Tech MA-081A (40dB Gain) |
| Signal Generator | Agilent 33250A |
| Magnetic Probe | ETS Lindgren 7405-902 (30mm) |



Signal Generator



Spectrum Analyzer



Probe

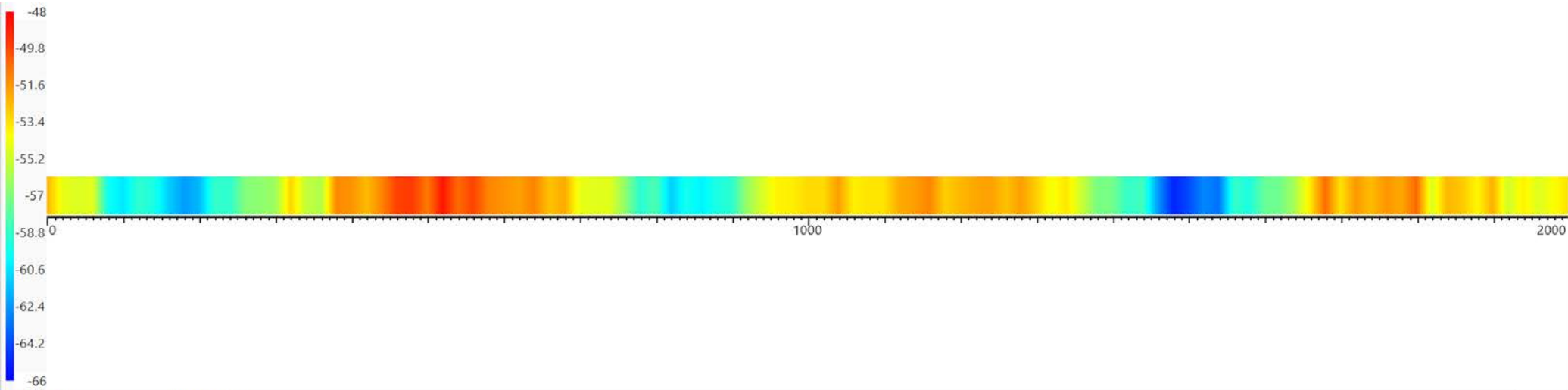


AMP

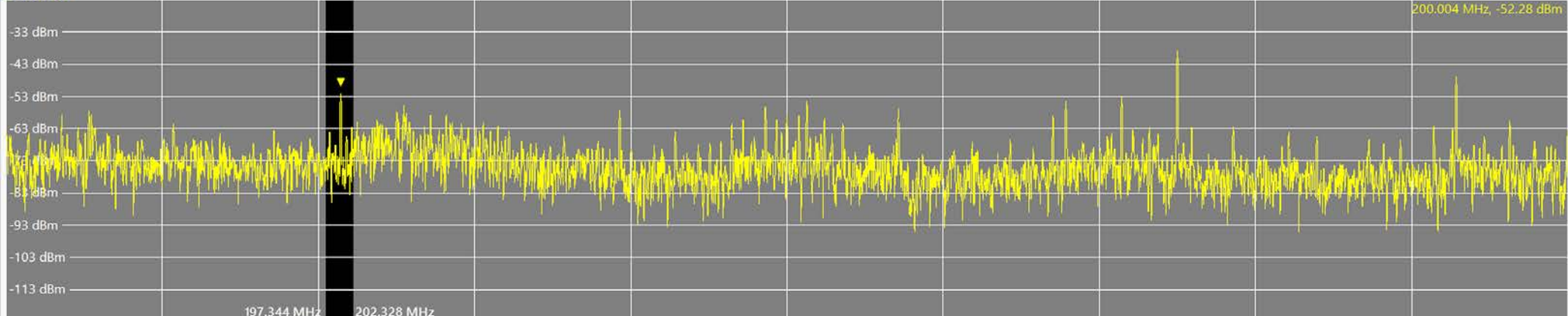
Test Condition

- Frequency generated from Signal Generator
 - 50MHz pulse
- DUT (cable)
 - 2 meters cable with BNC connector & terminal
 - Measured length : 2000mm (by 20mm pitch)
- Spectrum Analyzer setting
 - Frequency : 140MHz to 420MHz
 - RBW : 100 kHz

200MHz w/o terminal

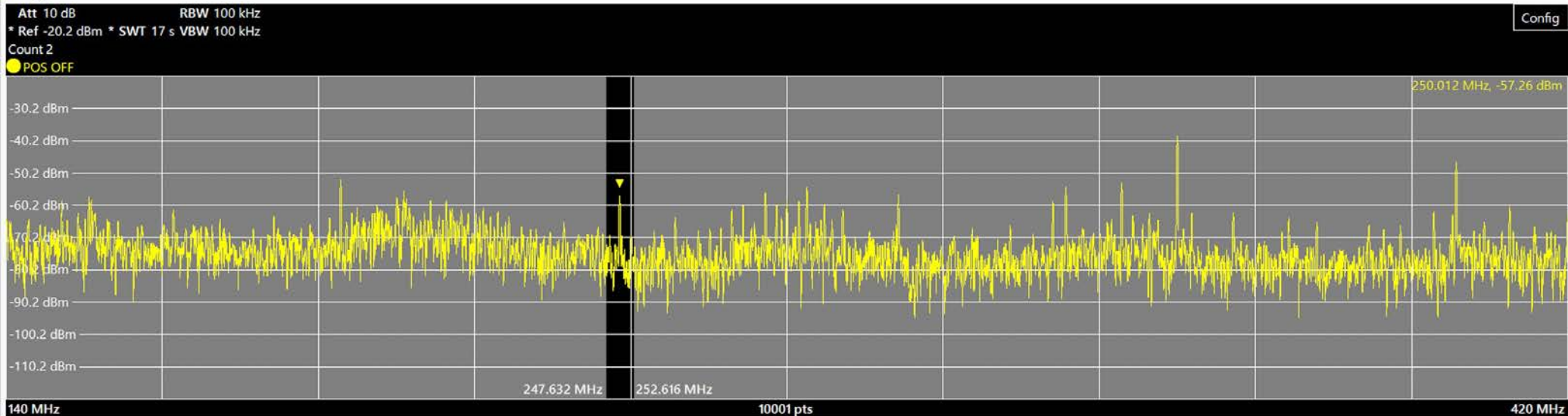
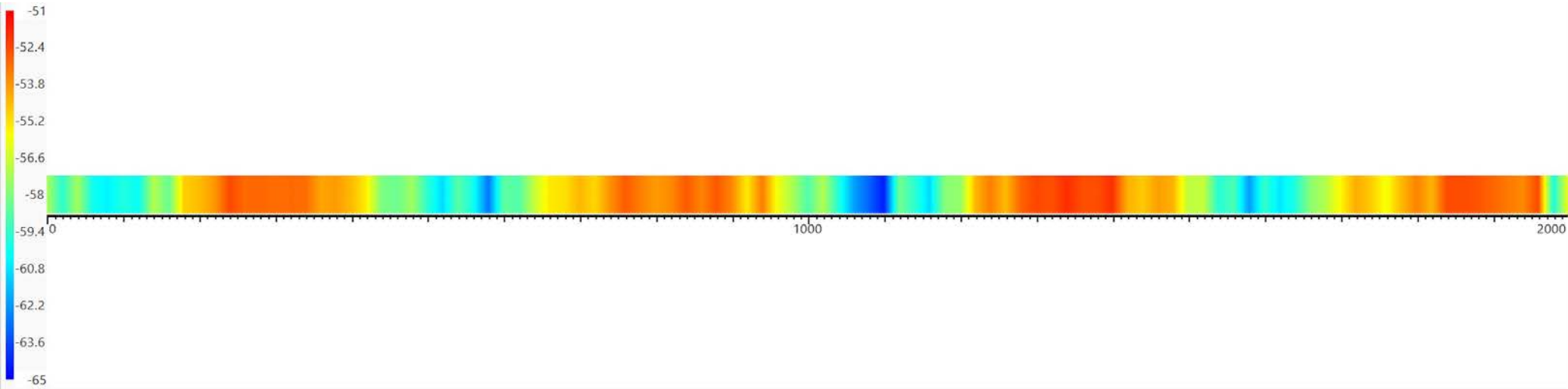


Att 10 dB RBW 100 kHz
* Ref -23 dBm * SWT 17 s VBW 100 kHz
Count 2
● POS OFF

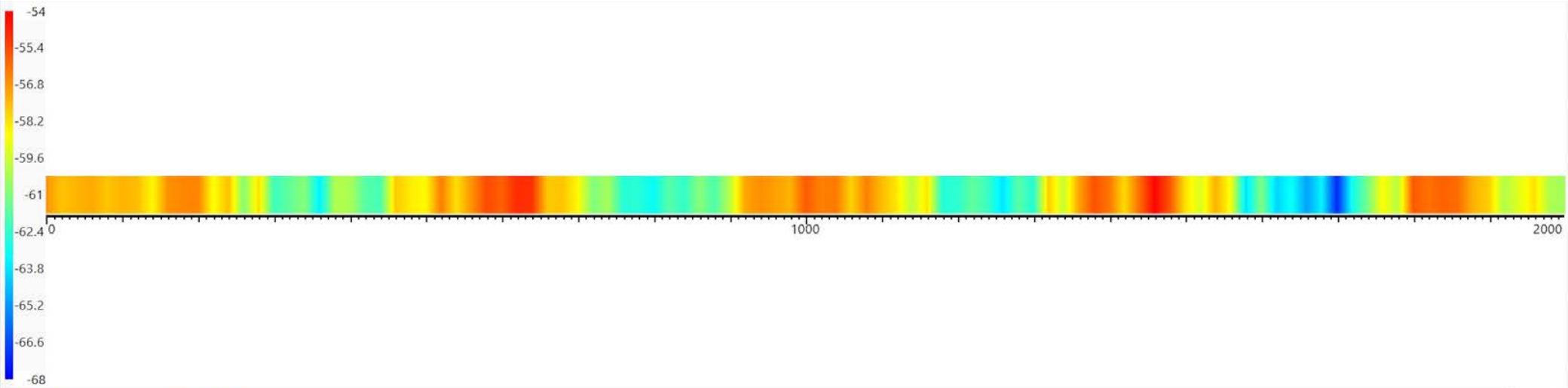


140 MHz 197.344 MHz 202.328 MHz 10001 pts 200.004 MHz -52.28 dBm 420 MHz

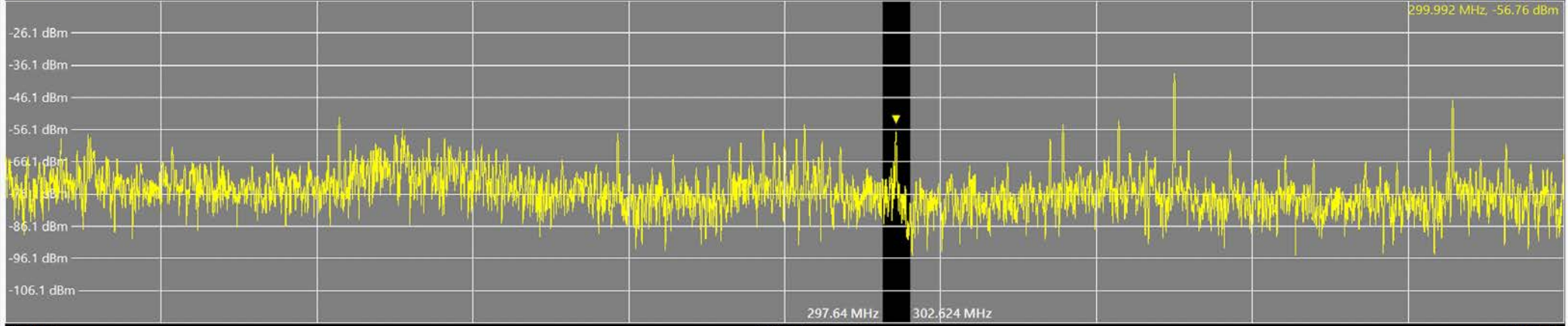
250MHz w/o terminal



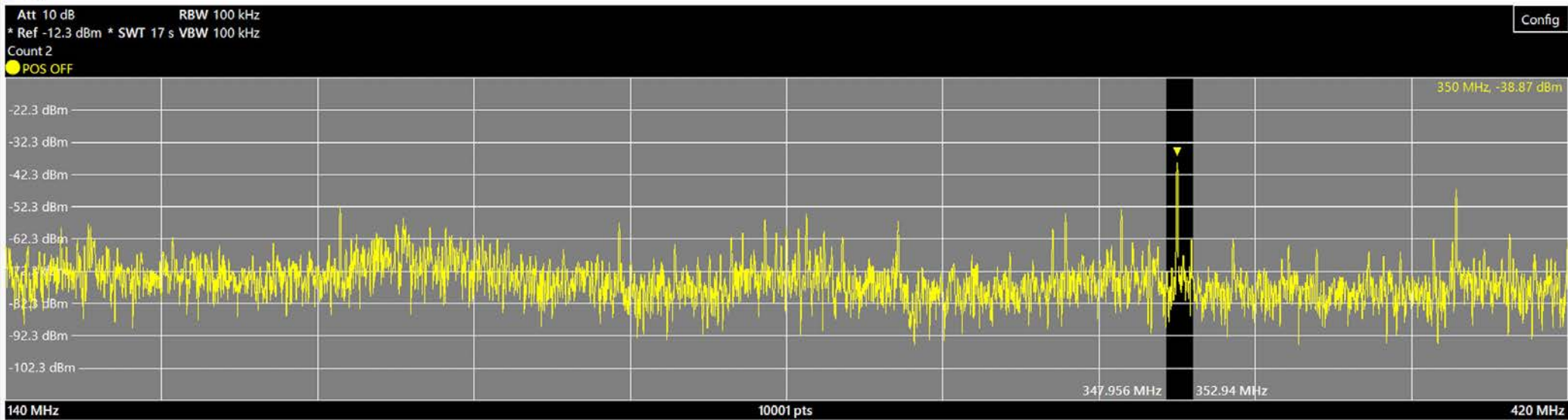
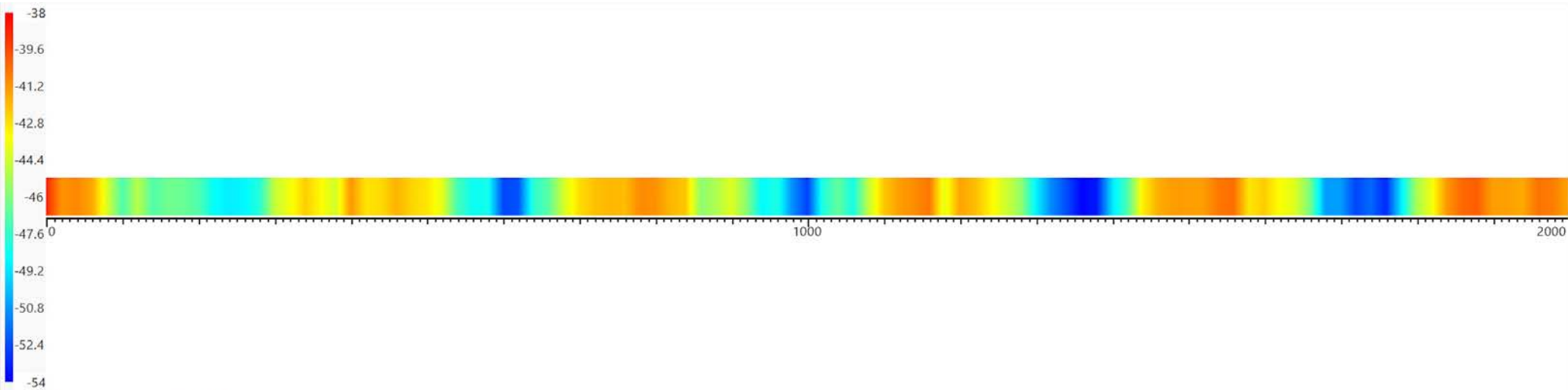
300MHz w/o terminal



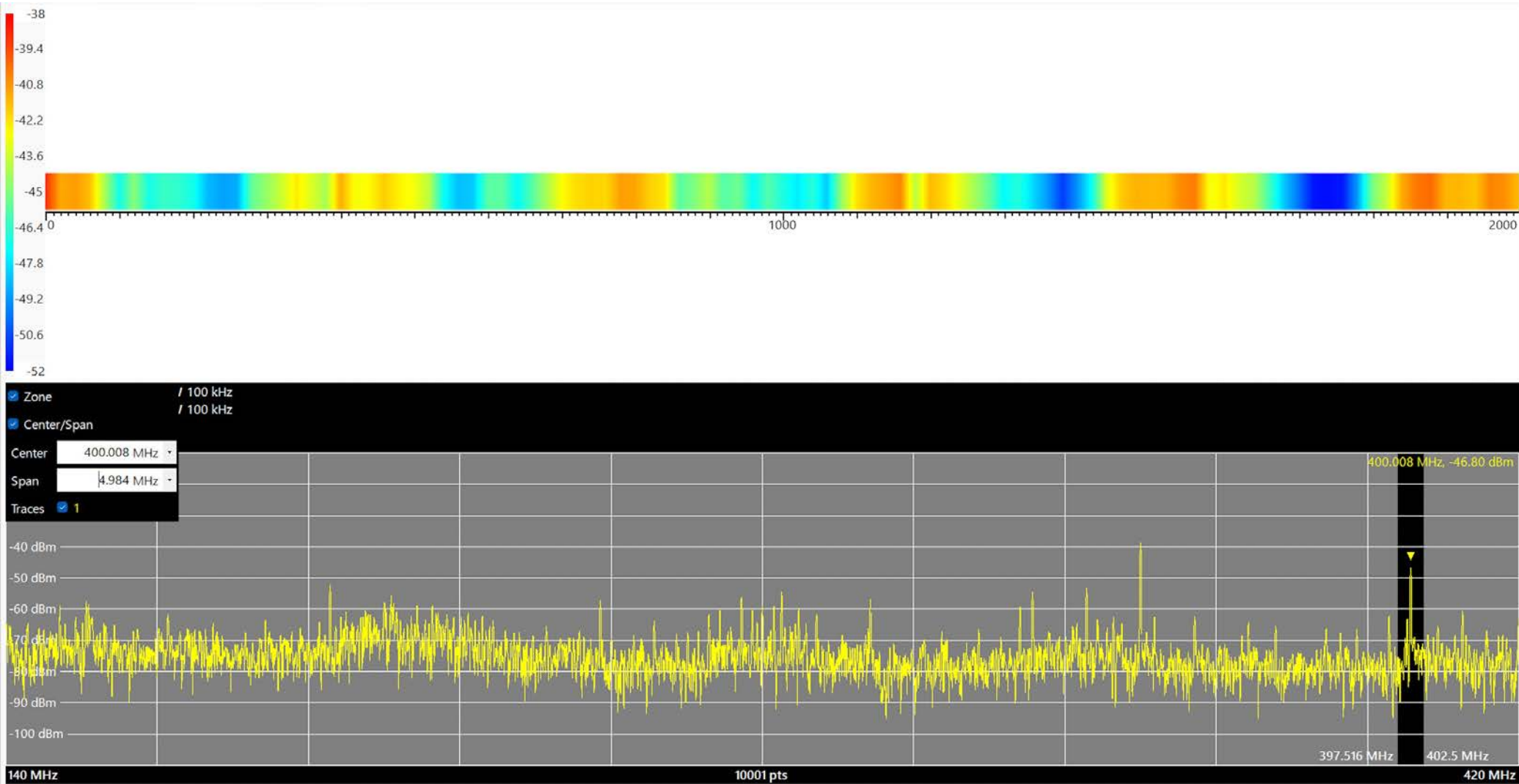
Att 10 dB RBW 100 kHz
* Ref -16.1 dBm * SWT 17 s VBW 100 kHz
Count 2
● POS OFF



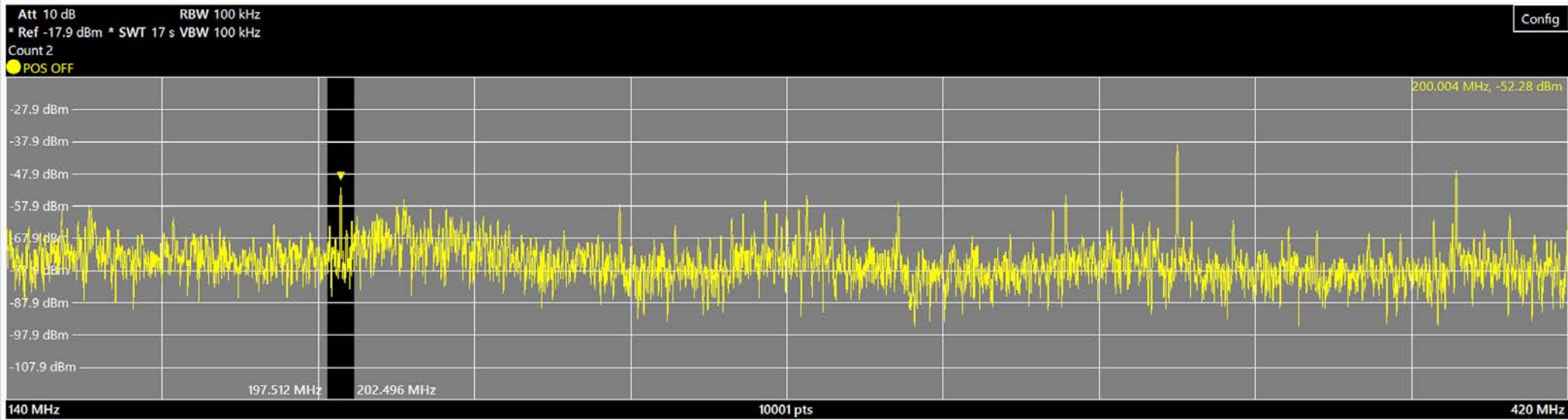
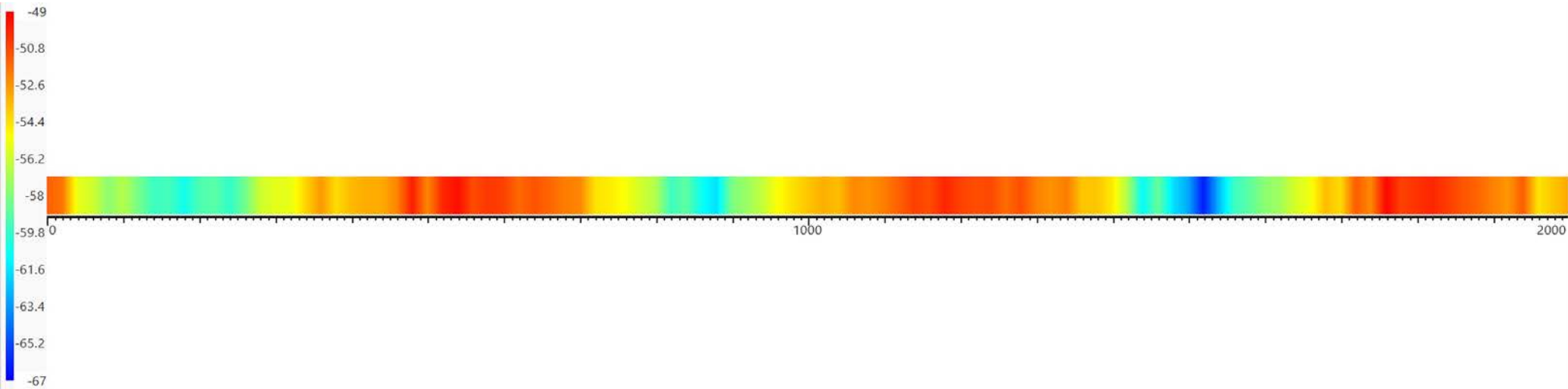
350MHz w/o terminal



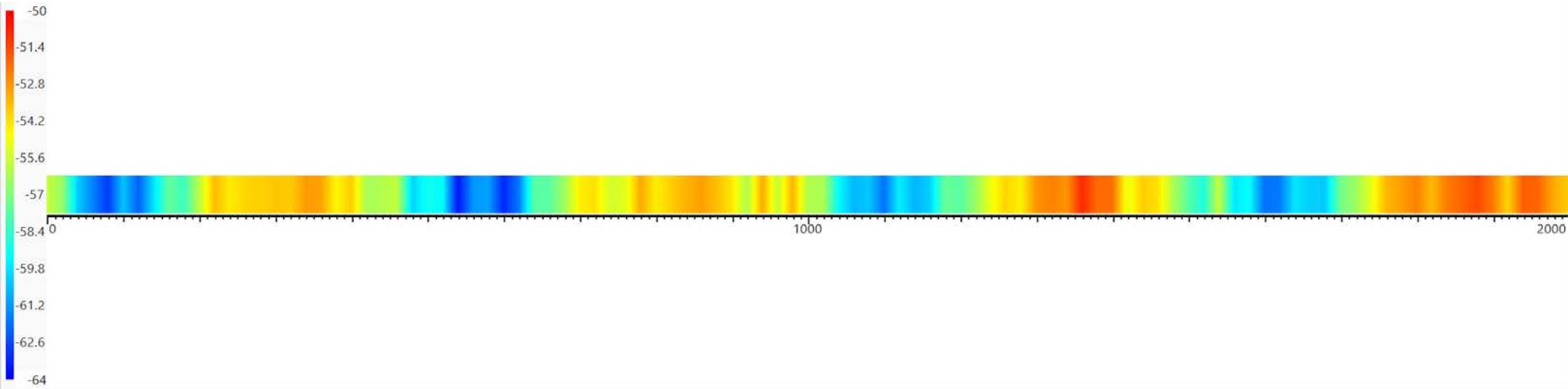
400MHz w/o terminal



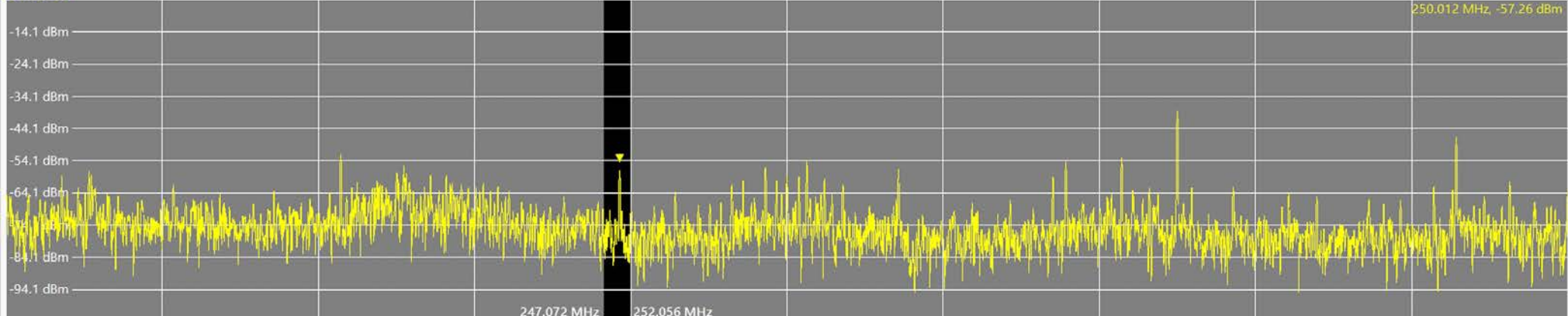
200MHz with terminal



250MHz with terminal

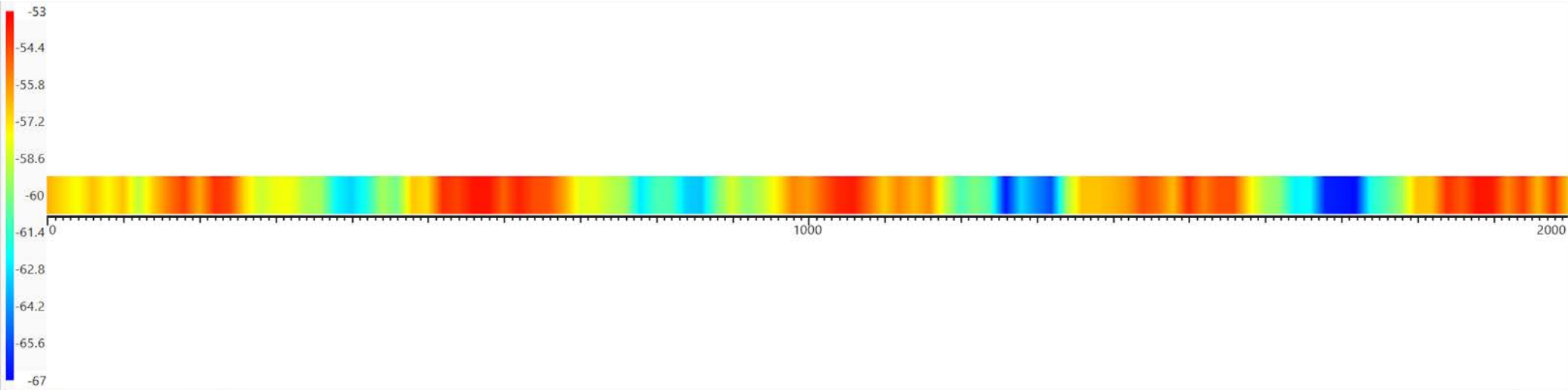


Att 10 dB RBW 100 kHz
* Ref -4.1 dBm * SWT 17 s VBW 100 kHz
Count 2
● POS OFF



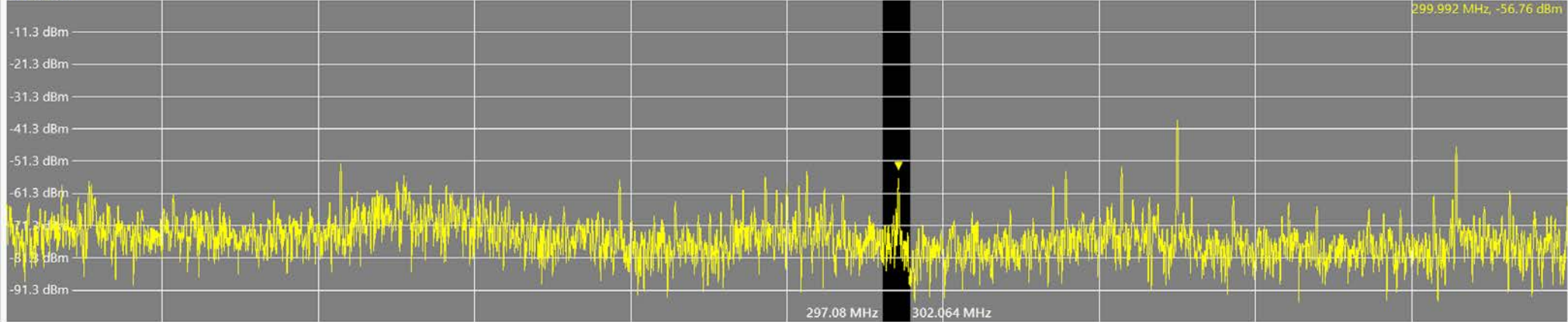
140 MHz 247.072 MHz 252.056 MHz 10001 pts 420 MHz

300MHz with terminal



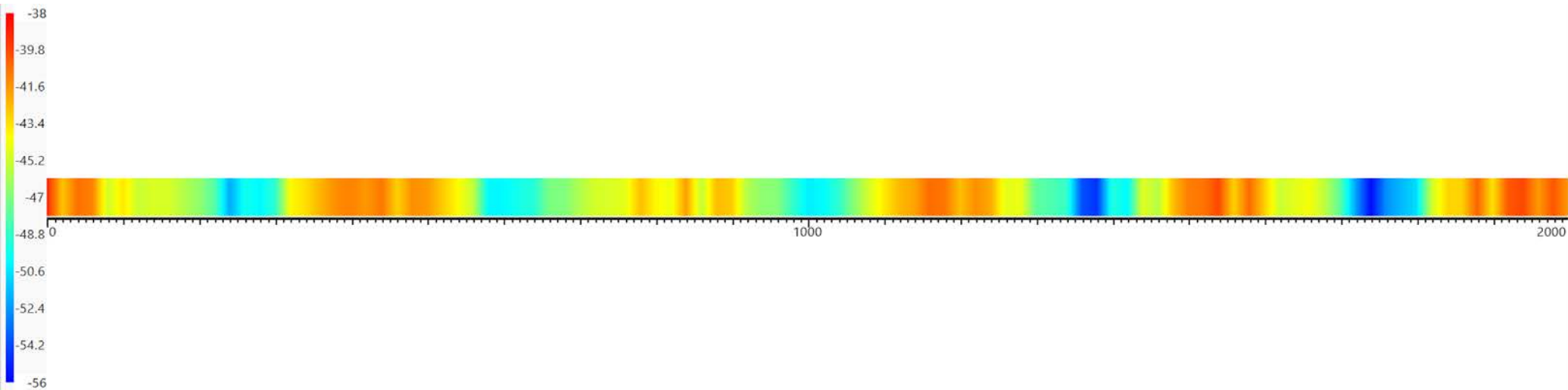
Att 10 dB RBW 100 kHz
* Ref -1.3 dBm * SWT 17 s VBW 100 kHz
Count 2
● POS OFF

Config



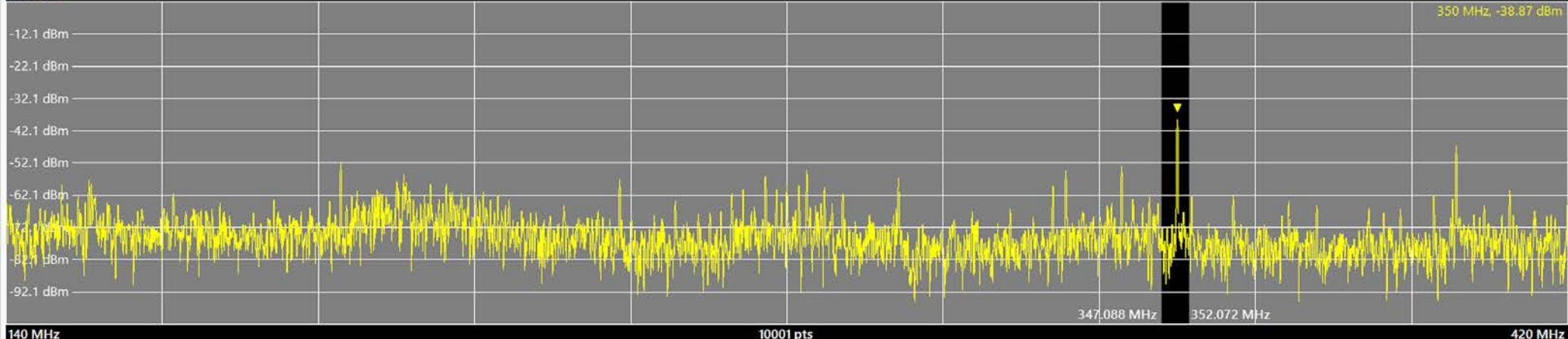
140 MHz 10001 pts 420 MHz

350MHz with terminal



Att 10 dB RBW 100 kHz
* Ref -2.1 dBm * SWT 17 s VBW 100 kHz
Count 2
● POS OFF

Config



350MHz with terminal

