

Special Operating Conditions

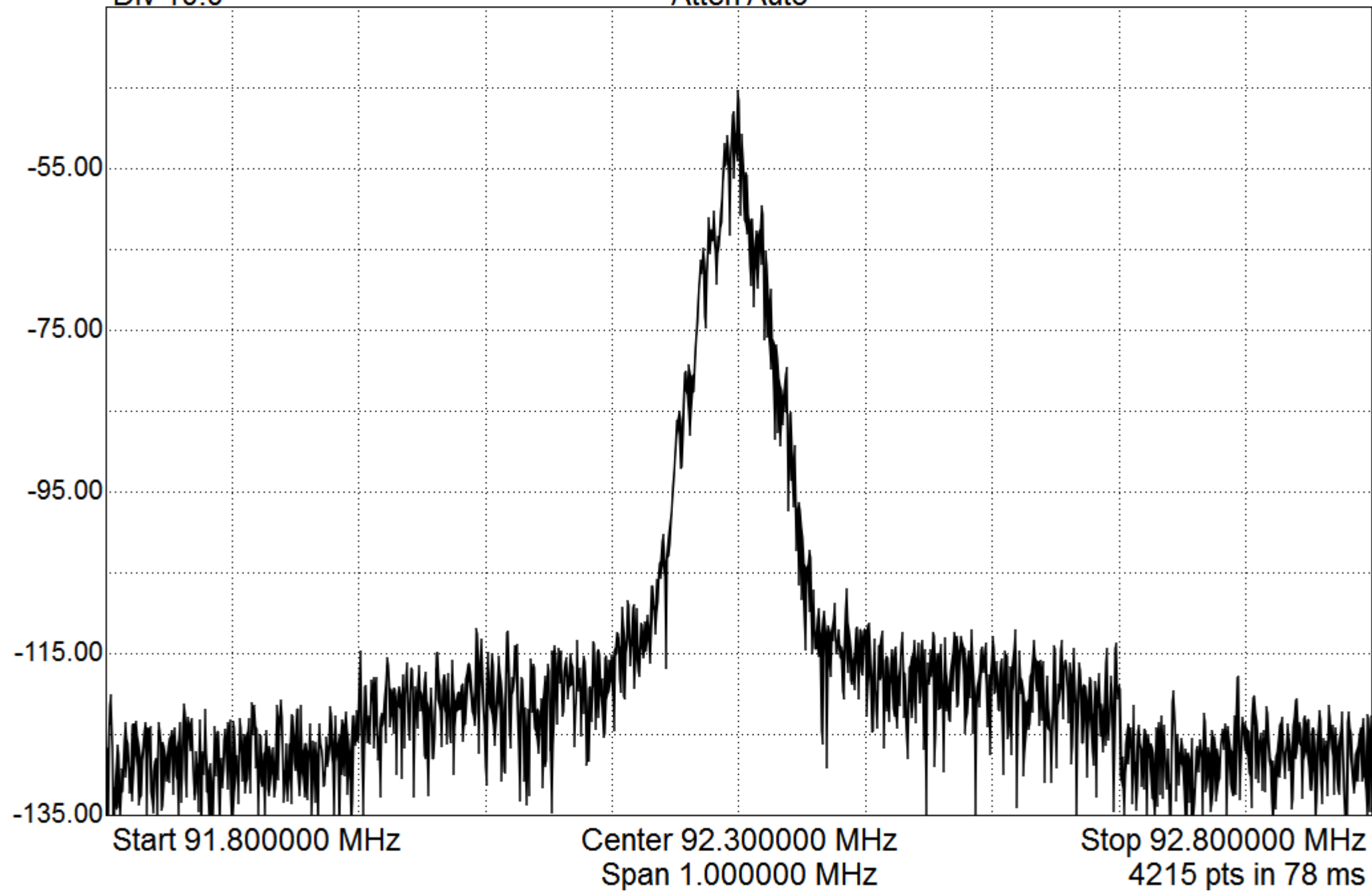
All five translators, K222DC, K257GO, K267AI, K283CD, and K291CG were operated into the five-port combiner, which is connected to the common antenna. A coupler was connected to a line section between the output of the combiner and the antenna. The sample from this coupler was fed to a Signal Hound SA44B spectrum analyzer.

An observation of the each was spectrum was noted. Emissions from 120 kHz to 240 kHz were down from the reference level at least 30 dB, exceeding 73.317 (b by 5 dB. At plus and minus 240 to 600 KHz they were down more than 47 dB. Emissions greater than 600 kHz were down at least 66.9 dB or more equal or better than the suppression required for the 250 Watt power level specified in 73.317 (d. In many cases at frequencies of plus and minus 600 KHz or more, there was another facility that showed up on the spectral trace, as it was coupling into the antenna system. There were no carriers that could be identified as spurious emissions attributable to the operation of these five translators, as emissions that could not be identified were present with the translator operation discontinued. Note the signal at 104.1 MHz is KWOW, Ch 281C2 FID6449, Clifton, TX and the signal at 104.9 MHz is KBHT (FM).

Ref -35.000 dBm
Div 10.0

RBW 1.000000 kHz
Atten Auto

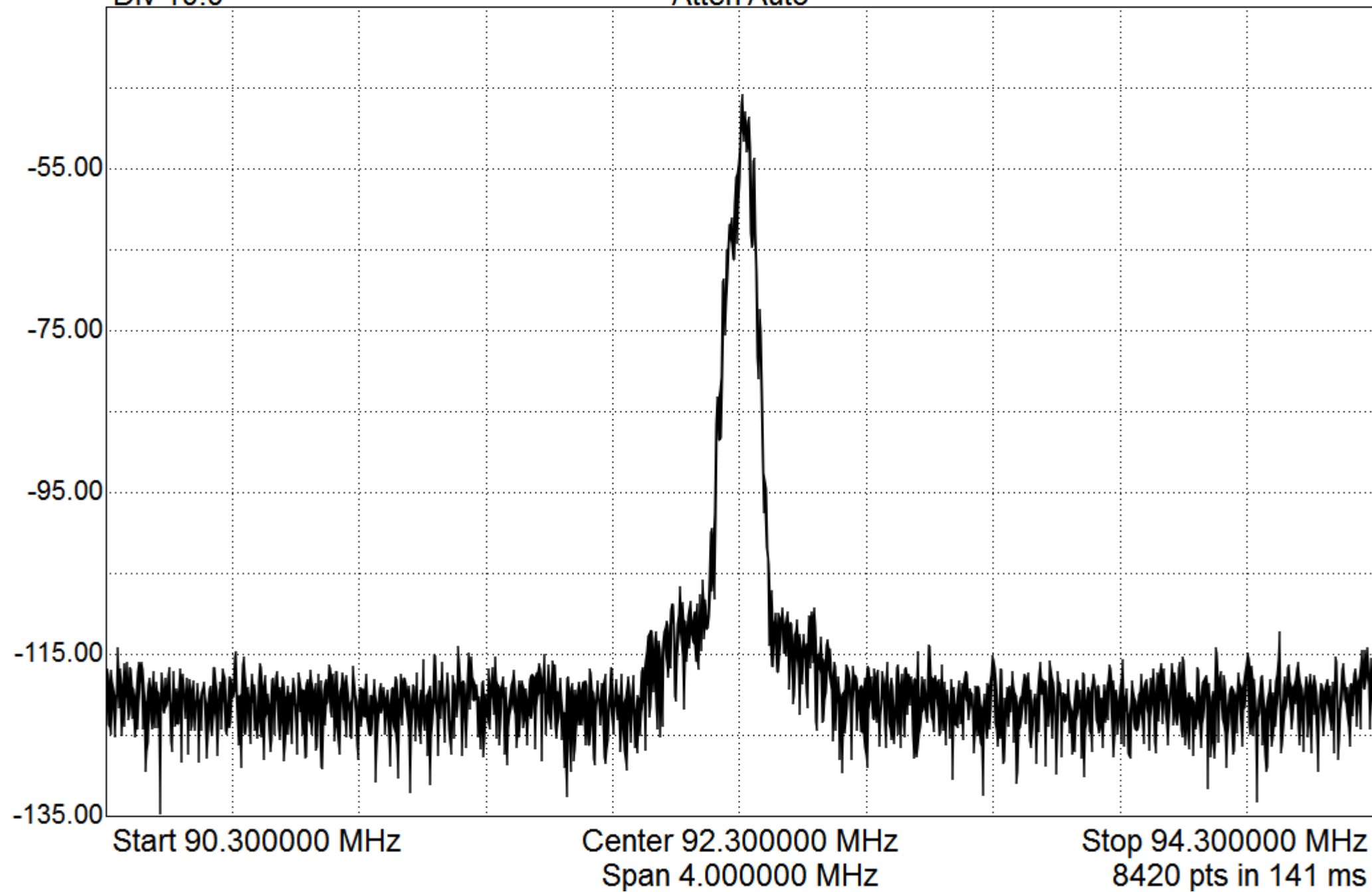
VBW 1.000000 kHz



Ref -35.000 dBm
Div 10.0

RBW 3.000000 kHz
Atten Auto

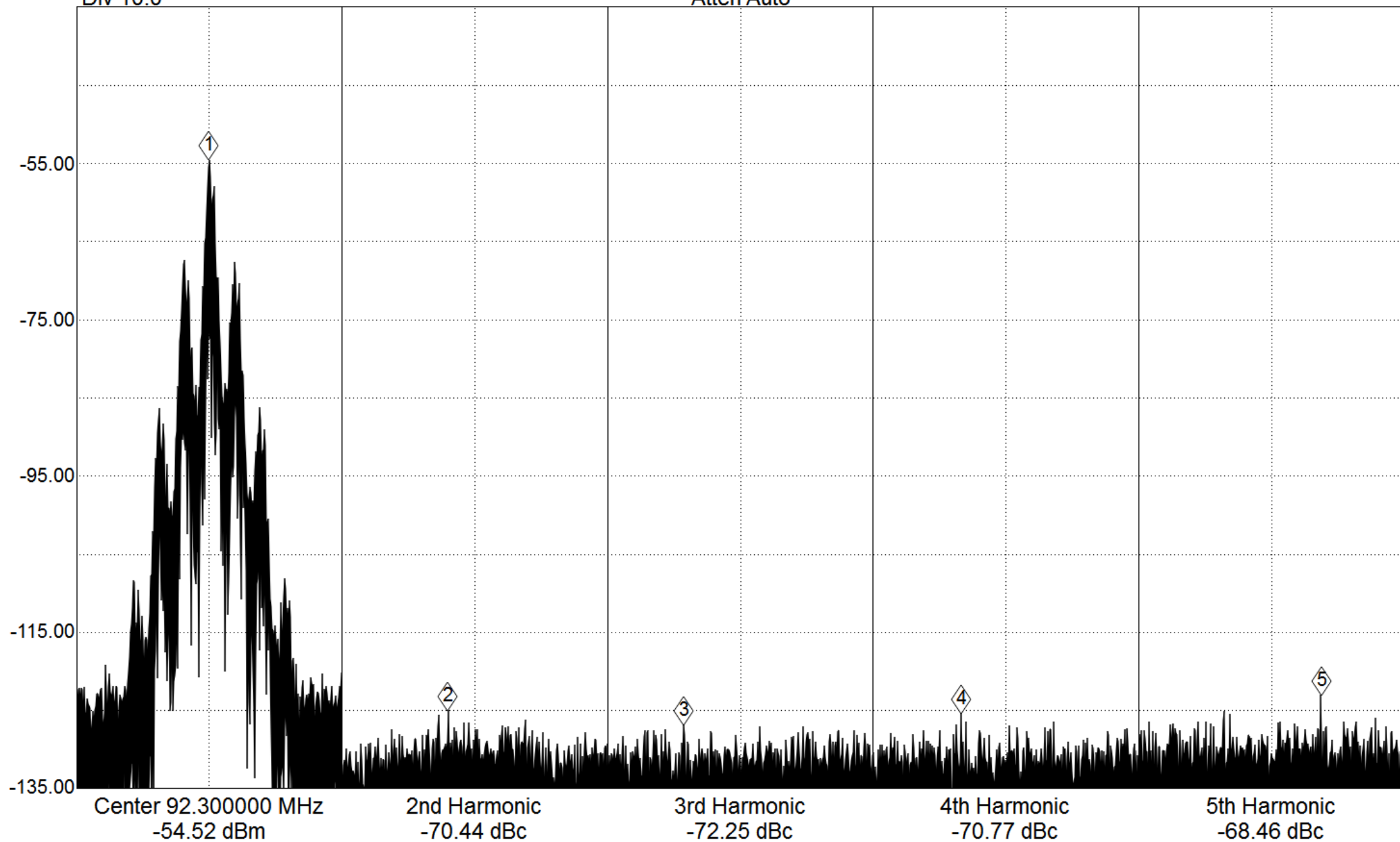
VBW 3.000000 kHz



Ref -35.000 dBm
Div 10.0

RBW 3.000000 kHz
Atten Auto

VBW 3.000000 kHz

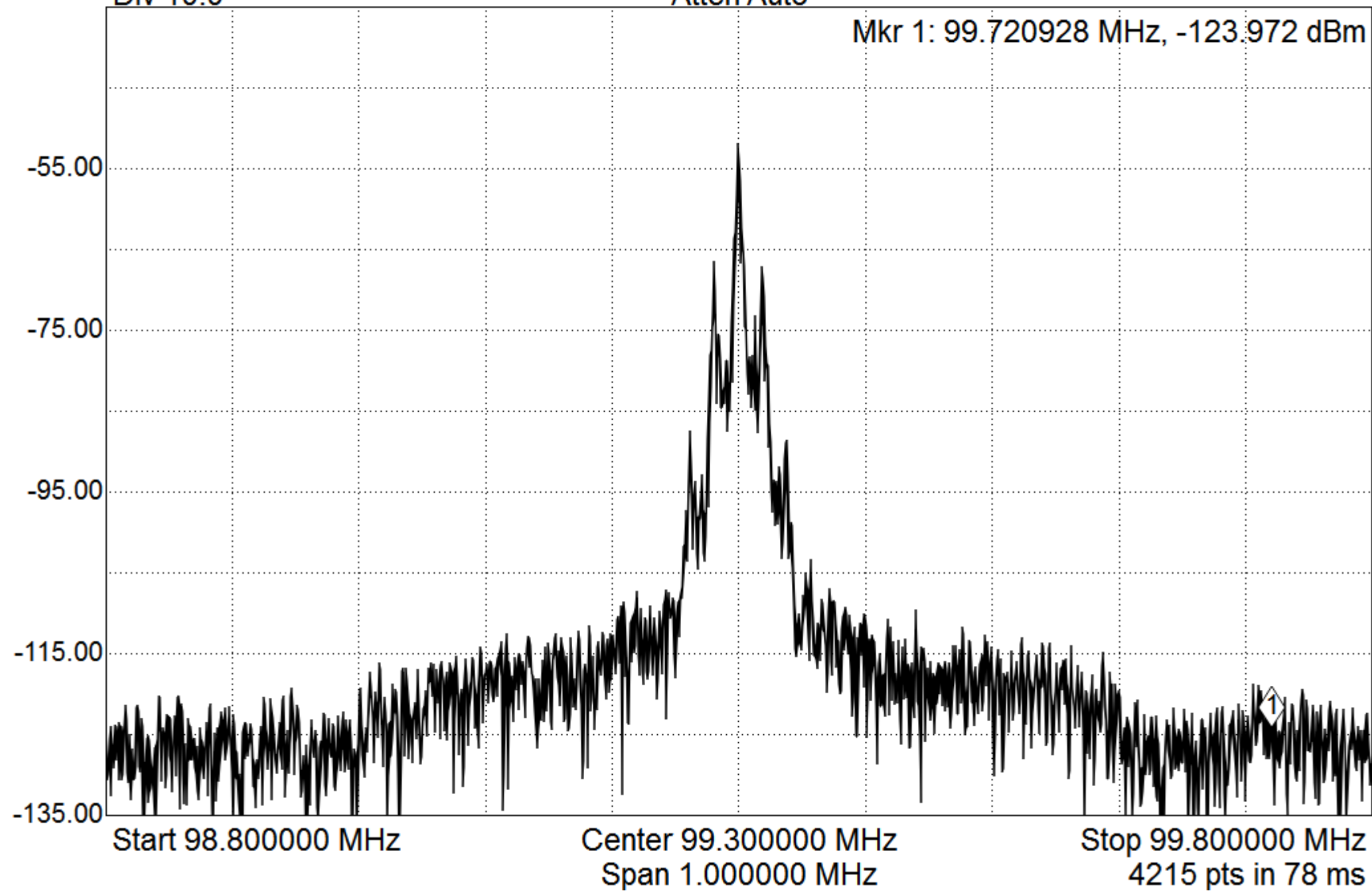


Ref -35.000 dBm
Div 10.0

RBW 1.000000 kHz
Atten Auto

VBW 1.000000 kHz

Mkr 1: 99.720928 MHz, -123.972 dBm

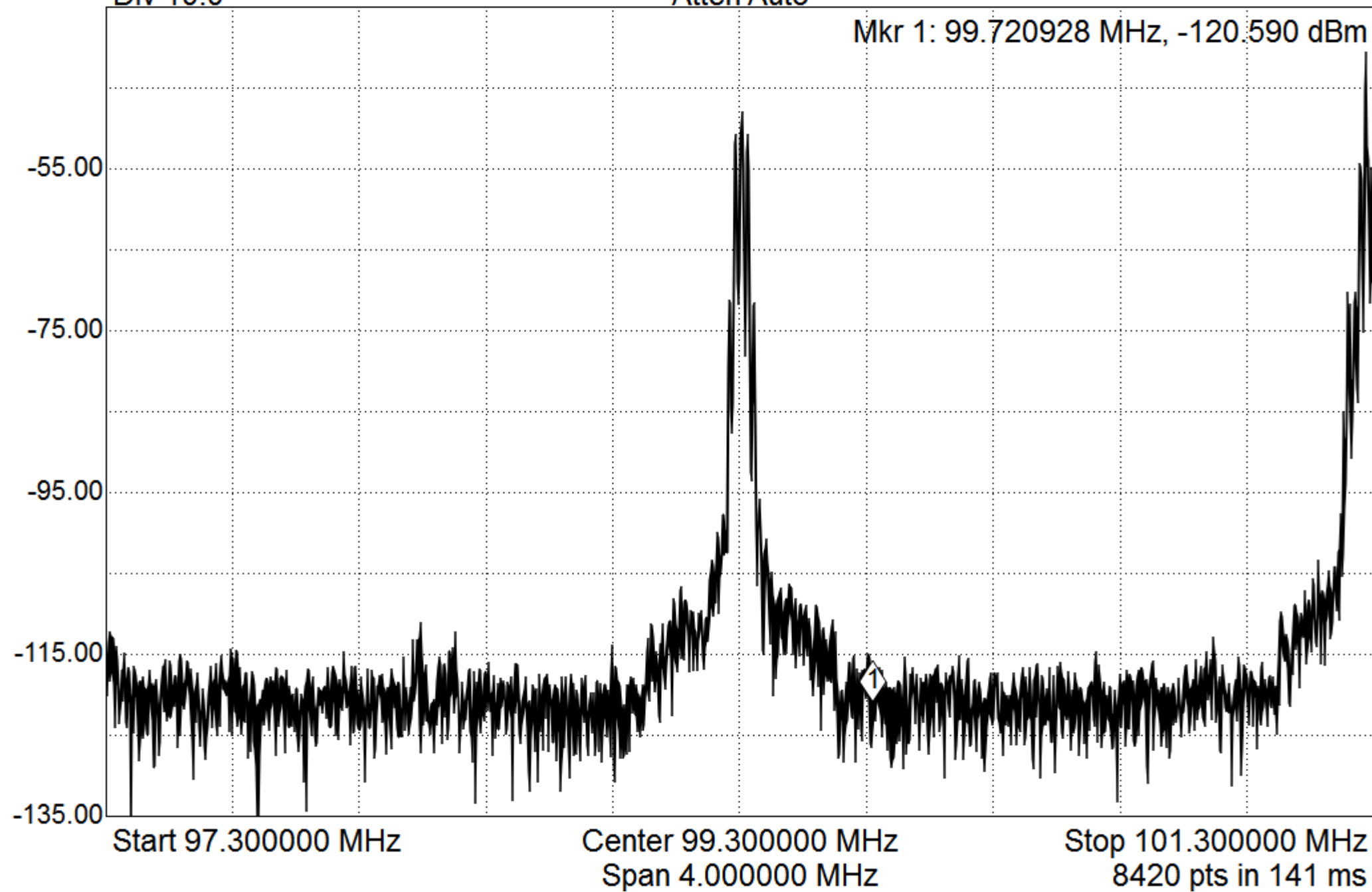


Ref -35.000 dBm
Div 10.0

RBW 3.000000 kHz
Atten Auto

VBW 3.000000 kHz

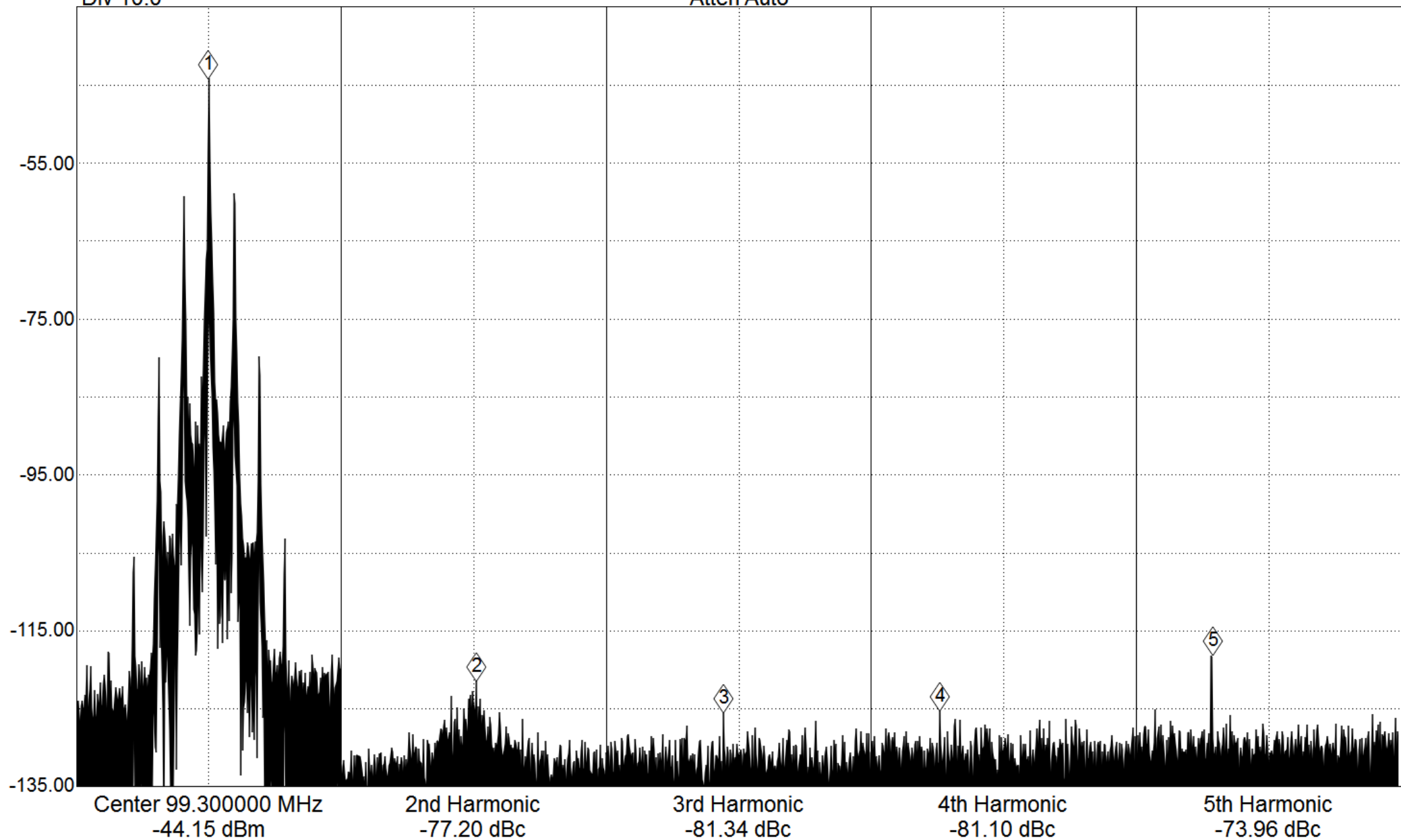
Mkr 1: 99.720928 MHz, -120.590 dBm



Ref -35.000 dBm
Div 10.0

RBW 3.000000 kHz
Atten Auto

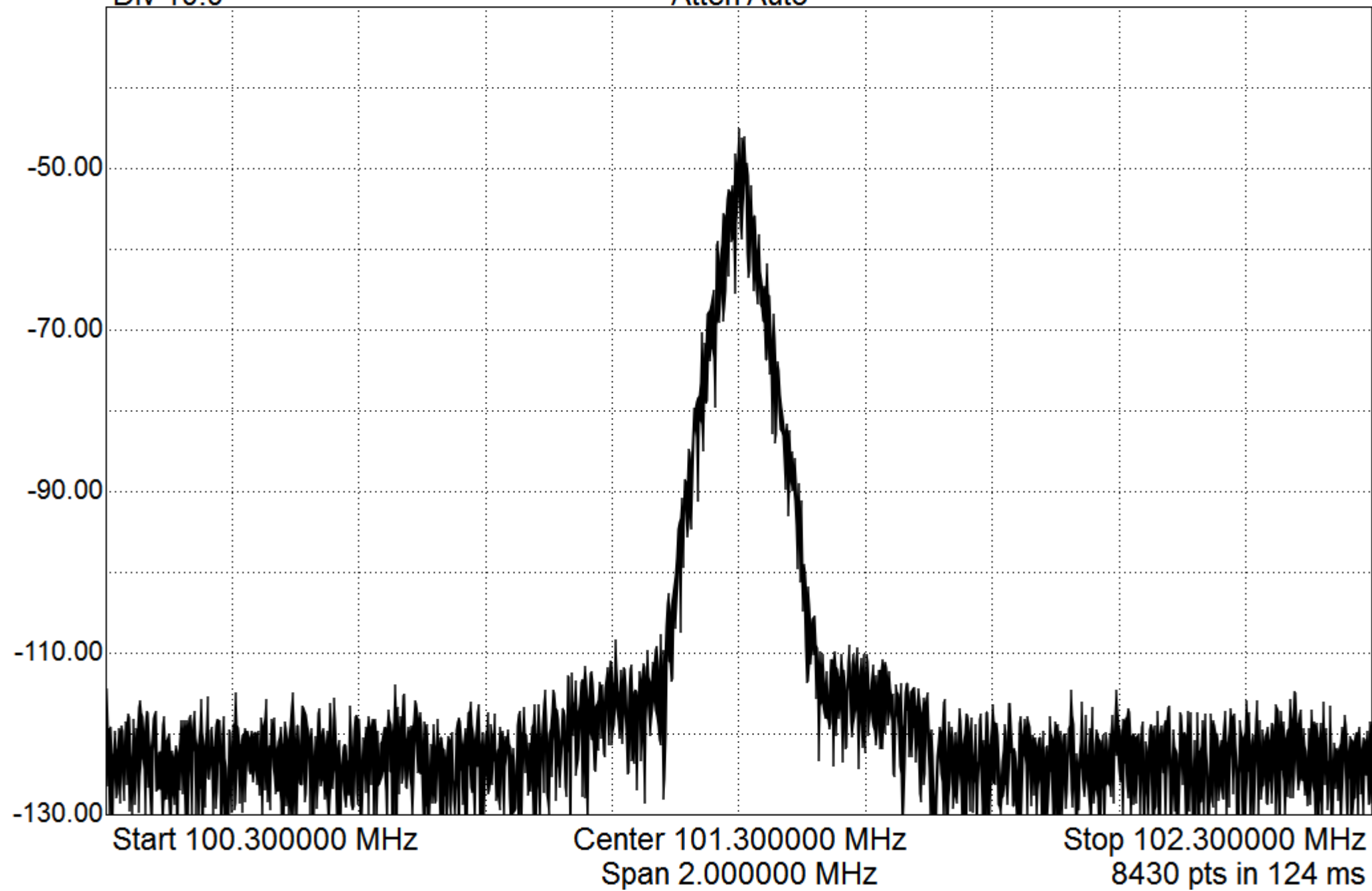
VBW 3.000000 kHz



Ref -30.000 dBm
Div 10.0

RBW 1.000000 kHz
Atten Auto

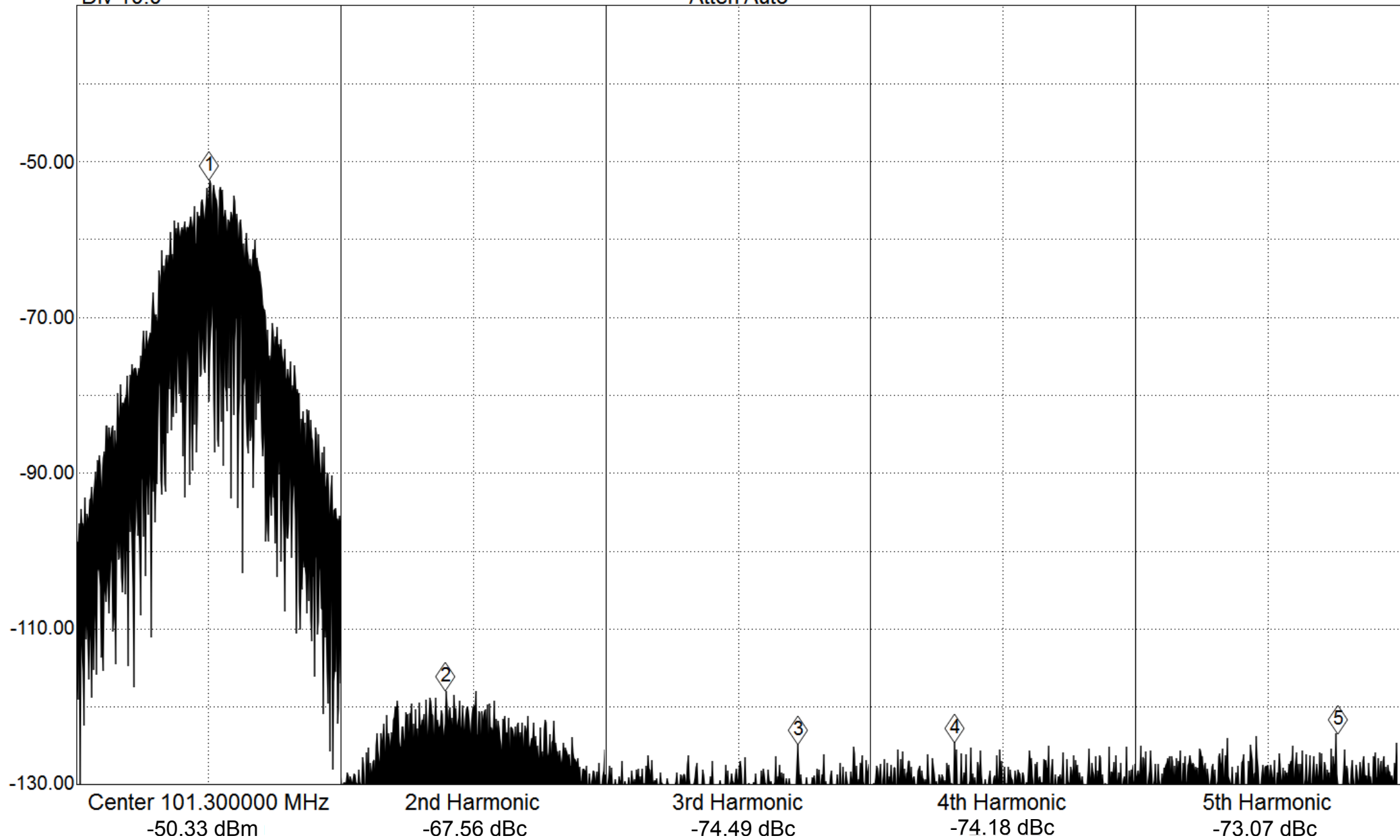
VBW 1.000000 kHz



Ref -30.000 dBm
Div 10.0

RBW 3.000000 kHz
Atten Auto

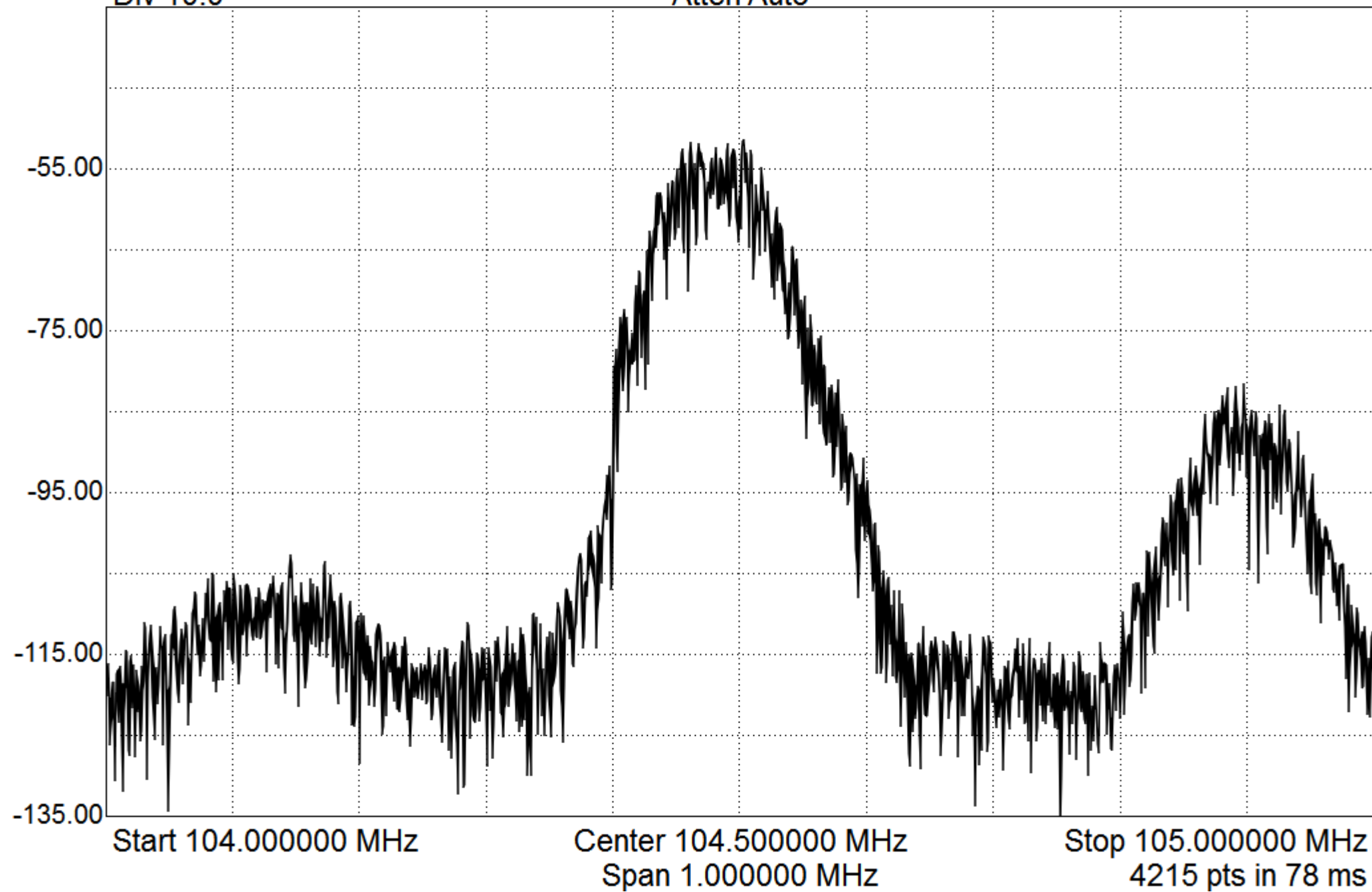
VBW 3.000000 kHz



Ref -35.000 dBm
Div 10.0

RBW 1.000000 kHz
Atten Auto

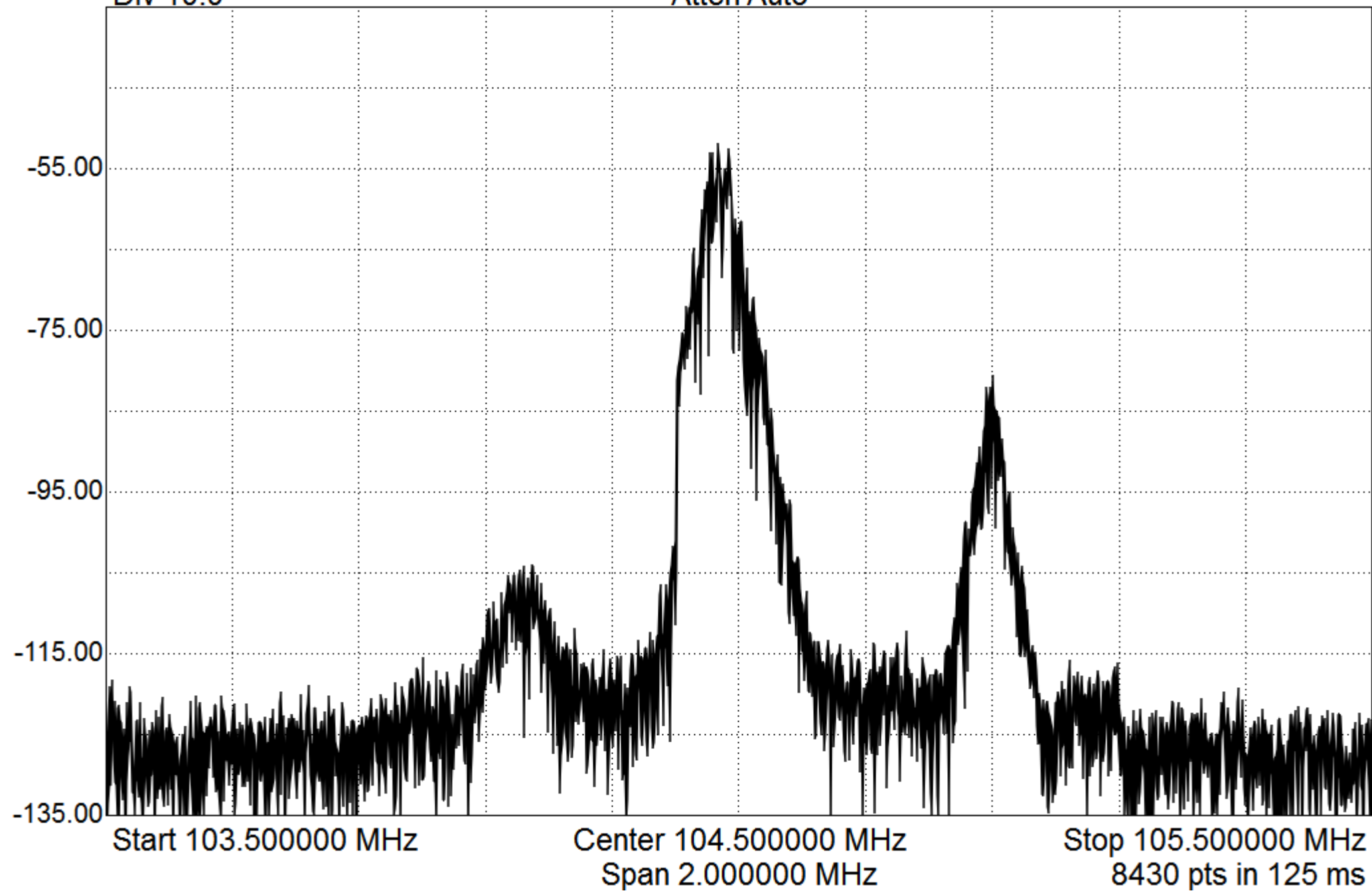
VBW 1.000000 kHz



Ref -35.000 dBm
Div 10.0

RBW 1.000000 kHz
Atten Auto

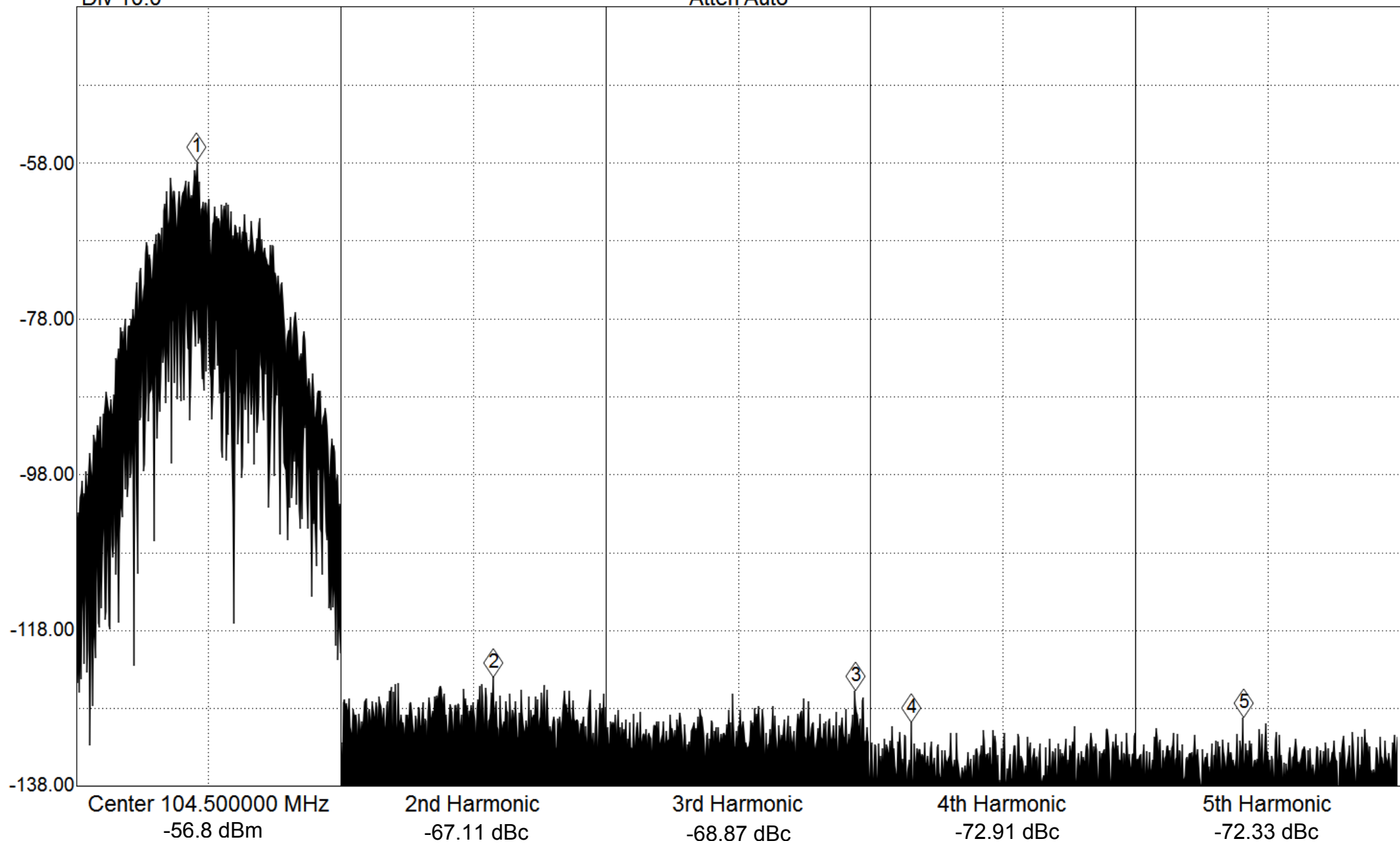
VBW 1.000000 kHz



Ref -38.000 dBm
Div 10.0

RBW 1.000000 kHz
Atten Auto

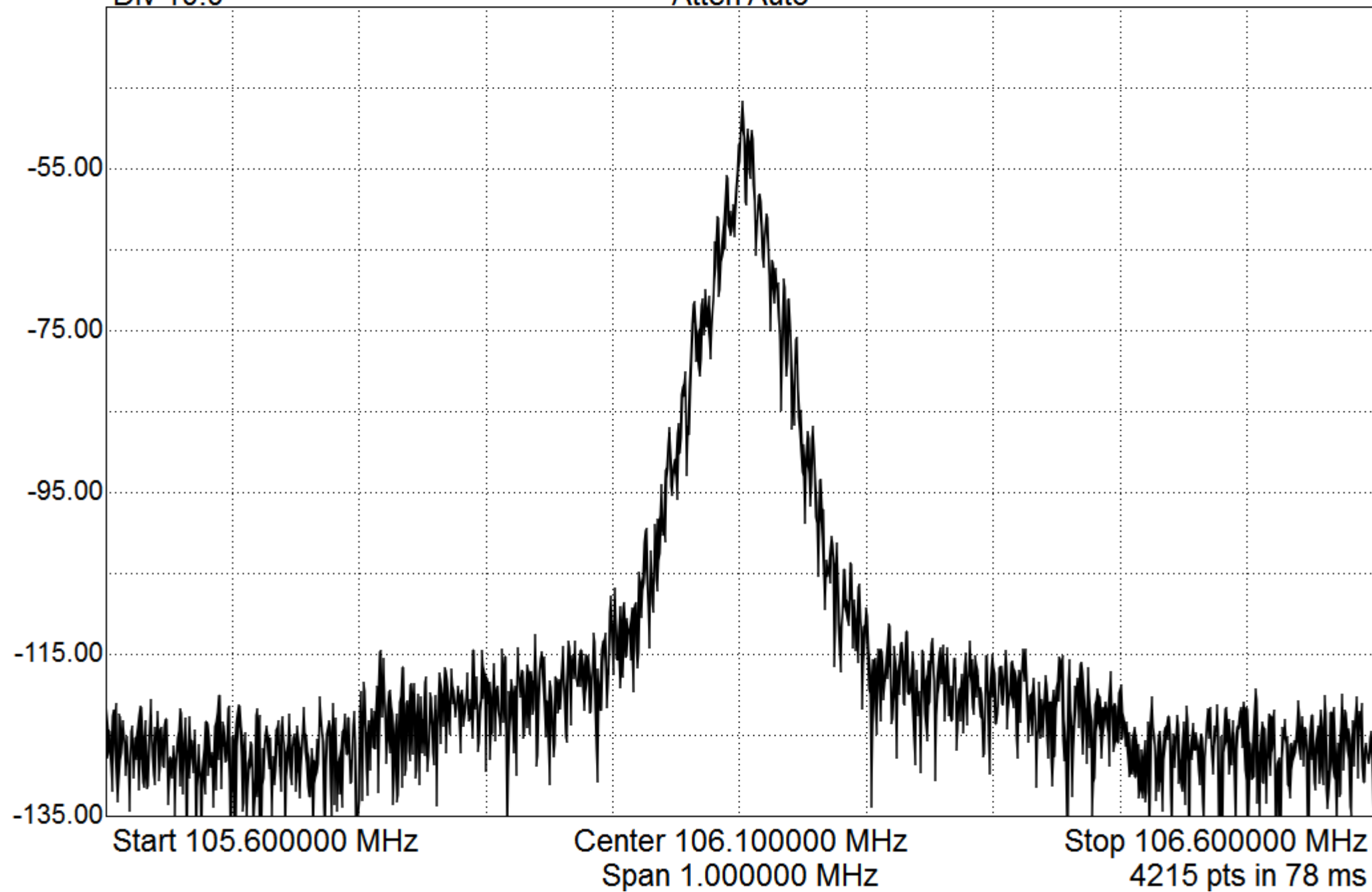
VBW 1.000000 kHz



Ref -35.000 dBm
Div 10.0

RBW 1.000000 kHz
Atten Auto

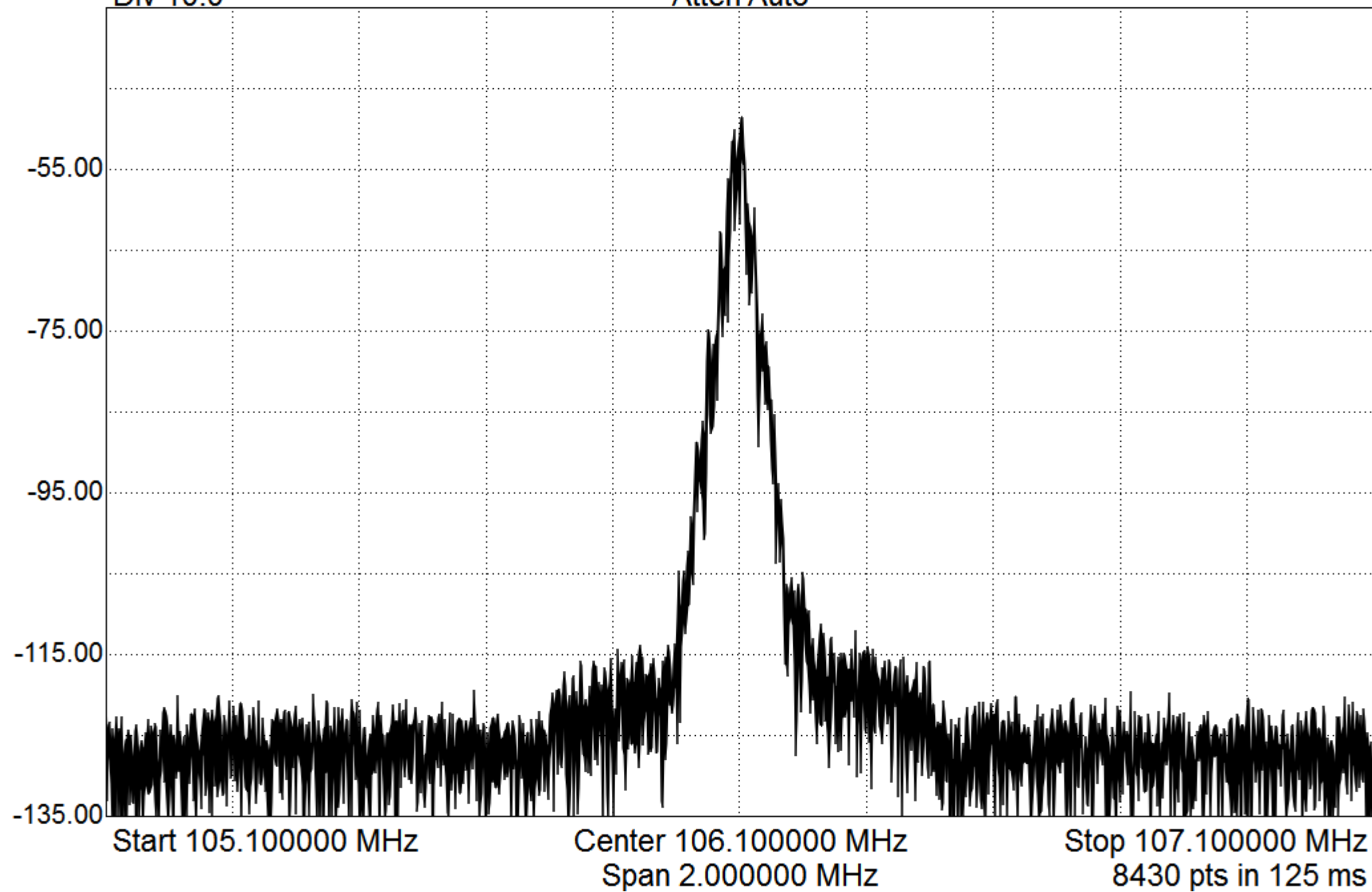
VBW 1.000000 kHz



Ref -35.000 dBm
Div 10.0

RBW 1.000000 kHz
Atten Auto

VBW 1.000000 kHz



Ref -37.000 dBm
Div 10.0

RBW 1.000000 kHz
Atten Auto

VBW 1.000000 kHz

