

# HLv2 Beta3 Low Power TX test : Spur and IMD

Test bench : HLv2 RF2 → 20dB coupler → ATT 30dB → Spectrum Analyzer (APB-3, 50 ohm termination)

Supply voltage : 13.8V PA Tr idle current : 100mA x2

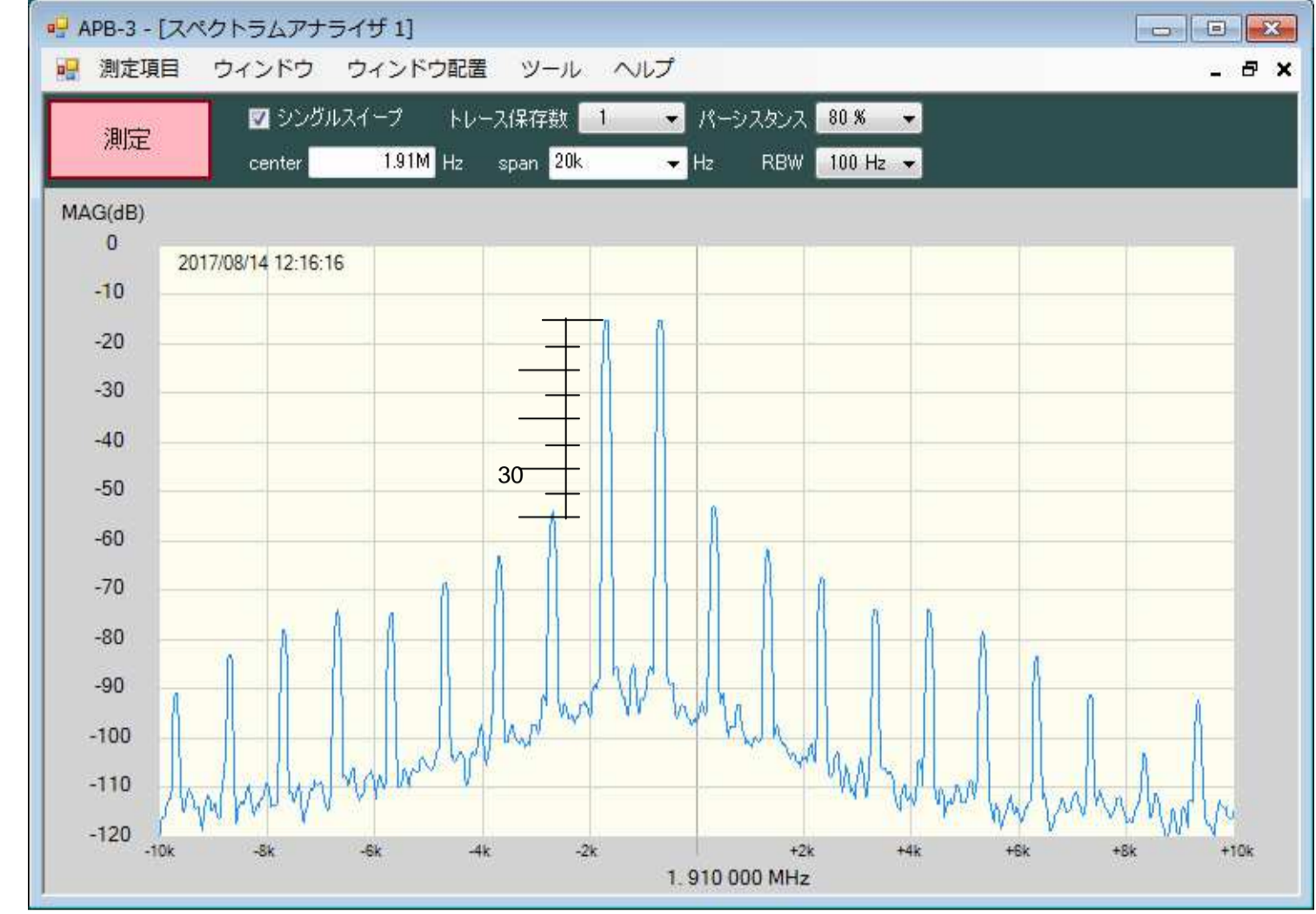
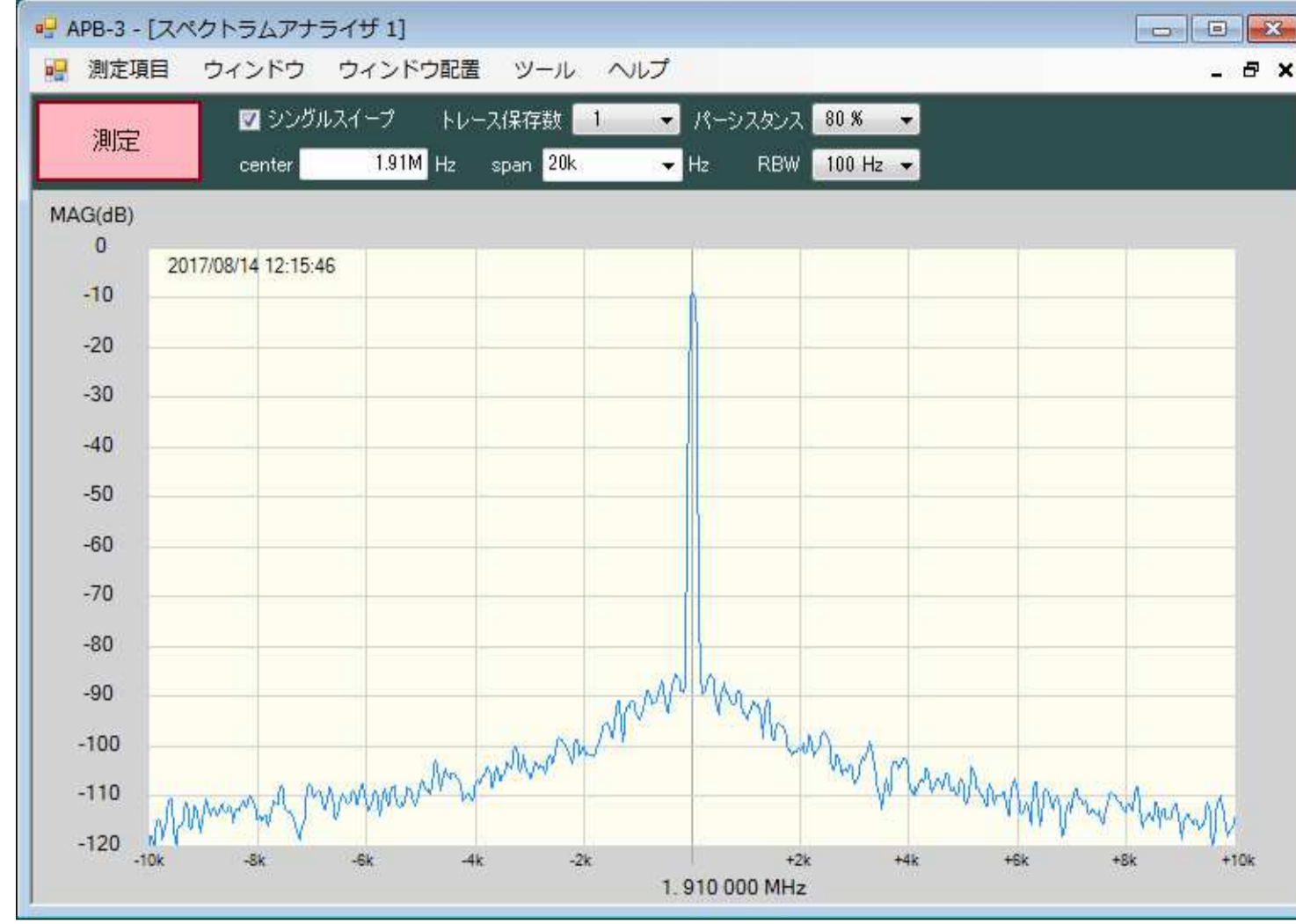
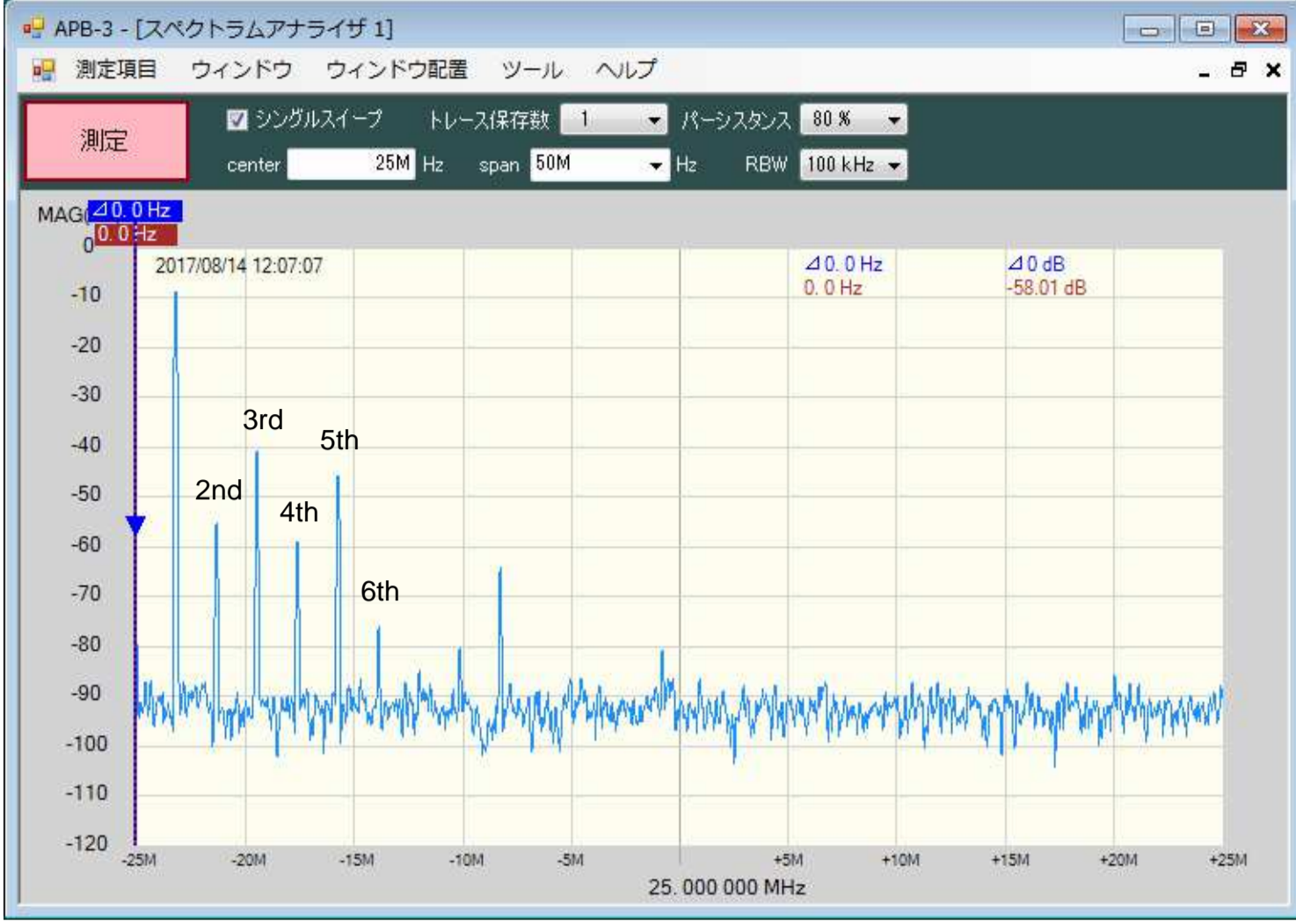
## PowerSDR v3.3.9 TUNE (DriveLevel 100)

Spur : 0 - 50MHz

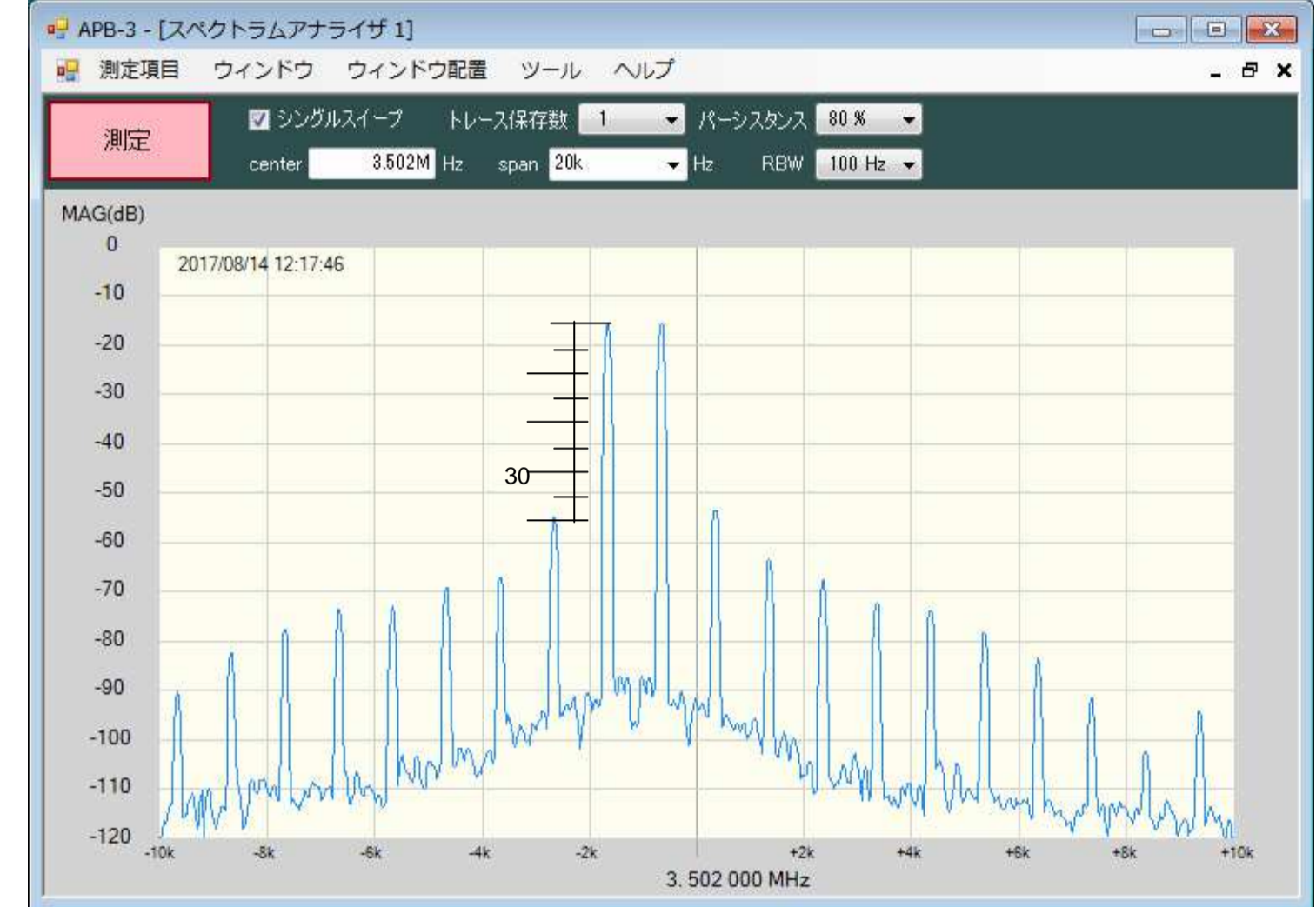
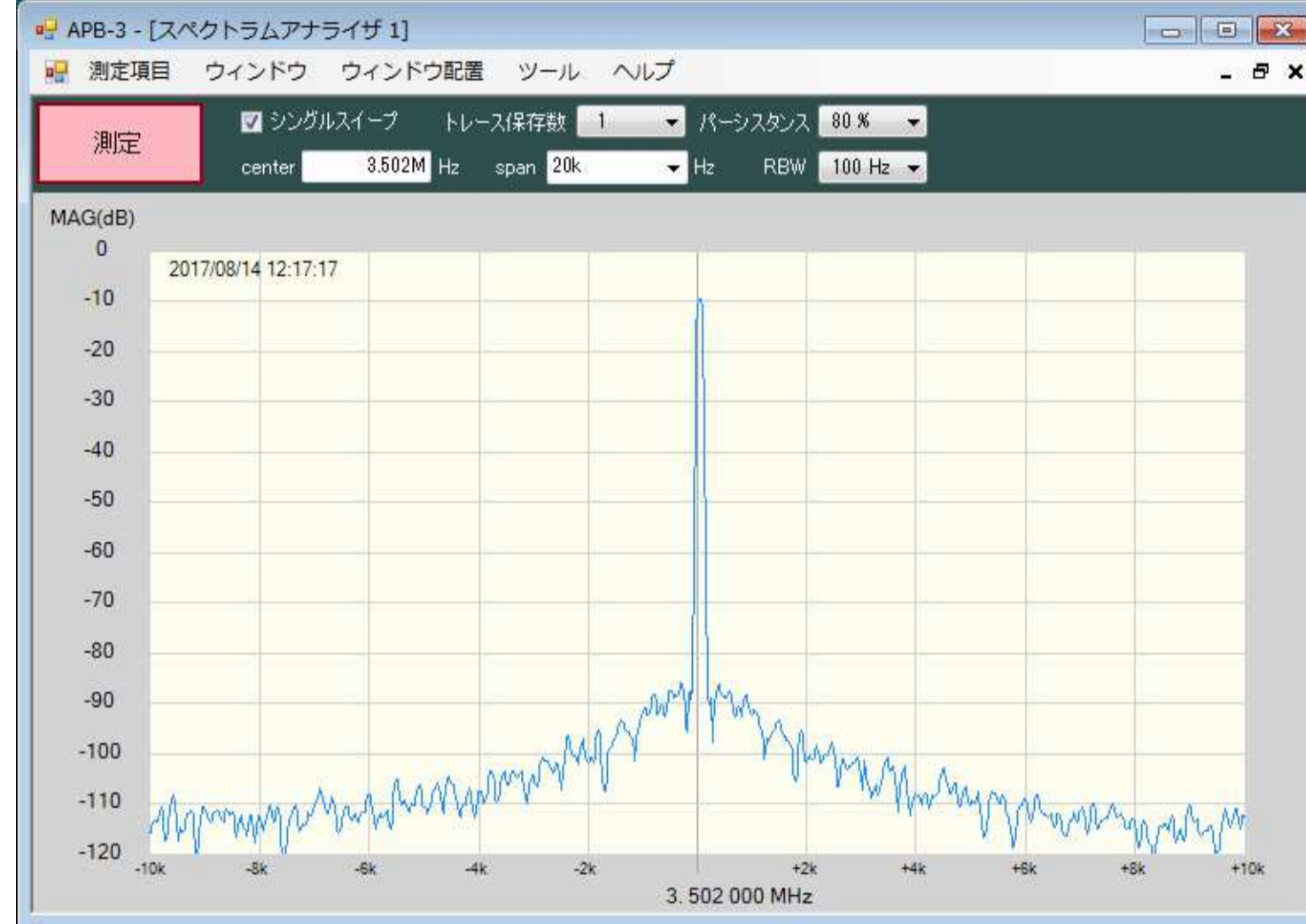
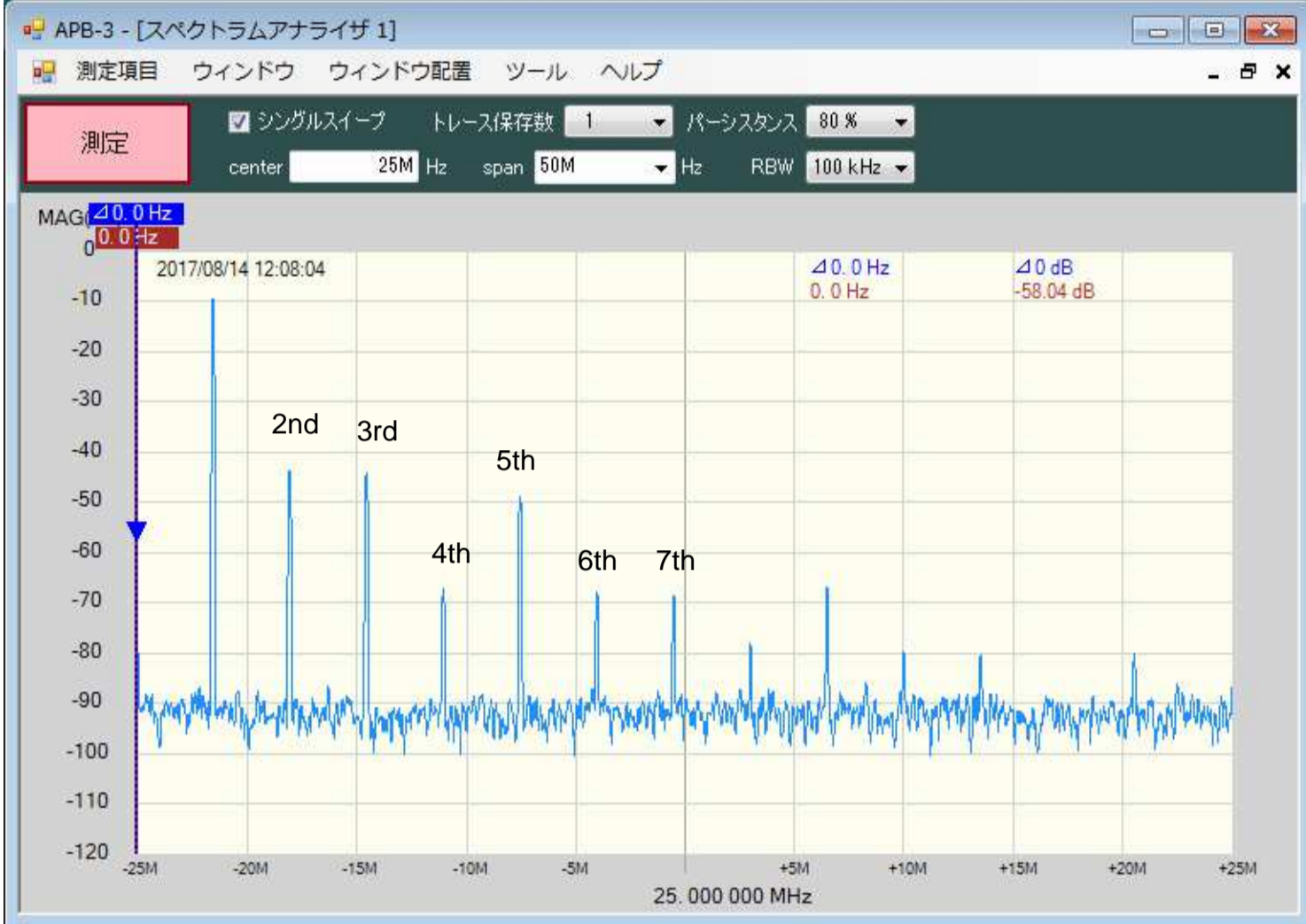
Spur : around carrier

IMD : 2 TONE (700Hz, 1700Hz)

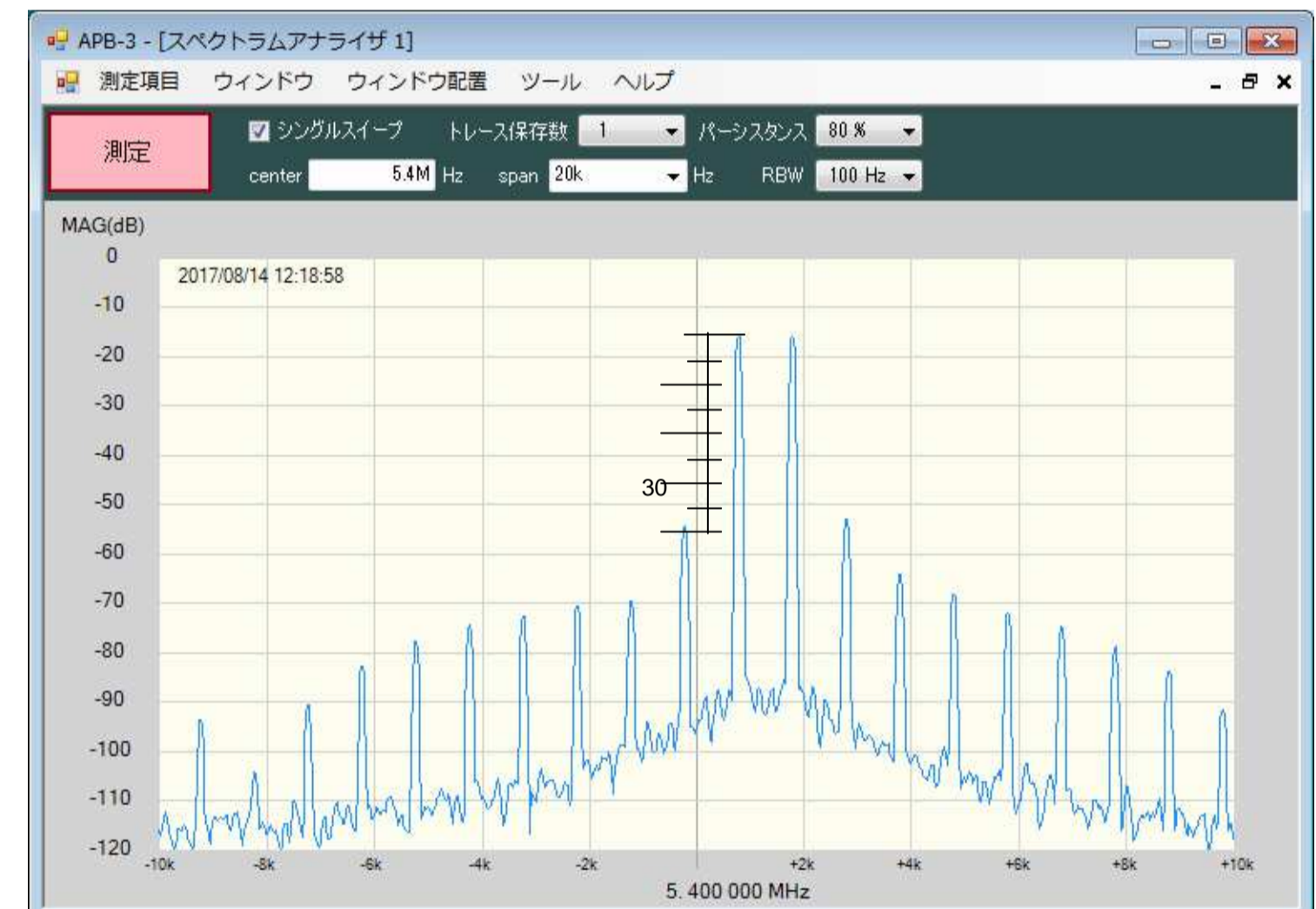
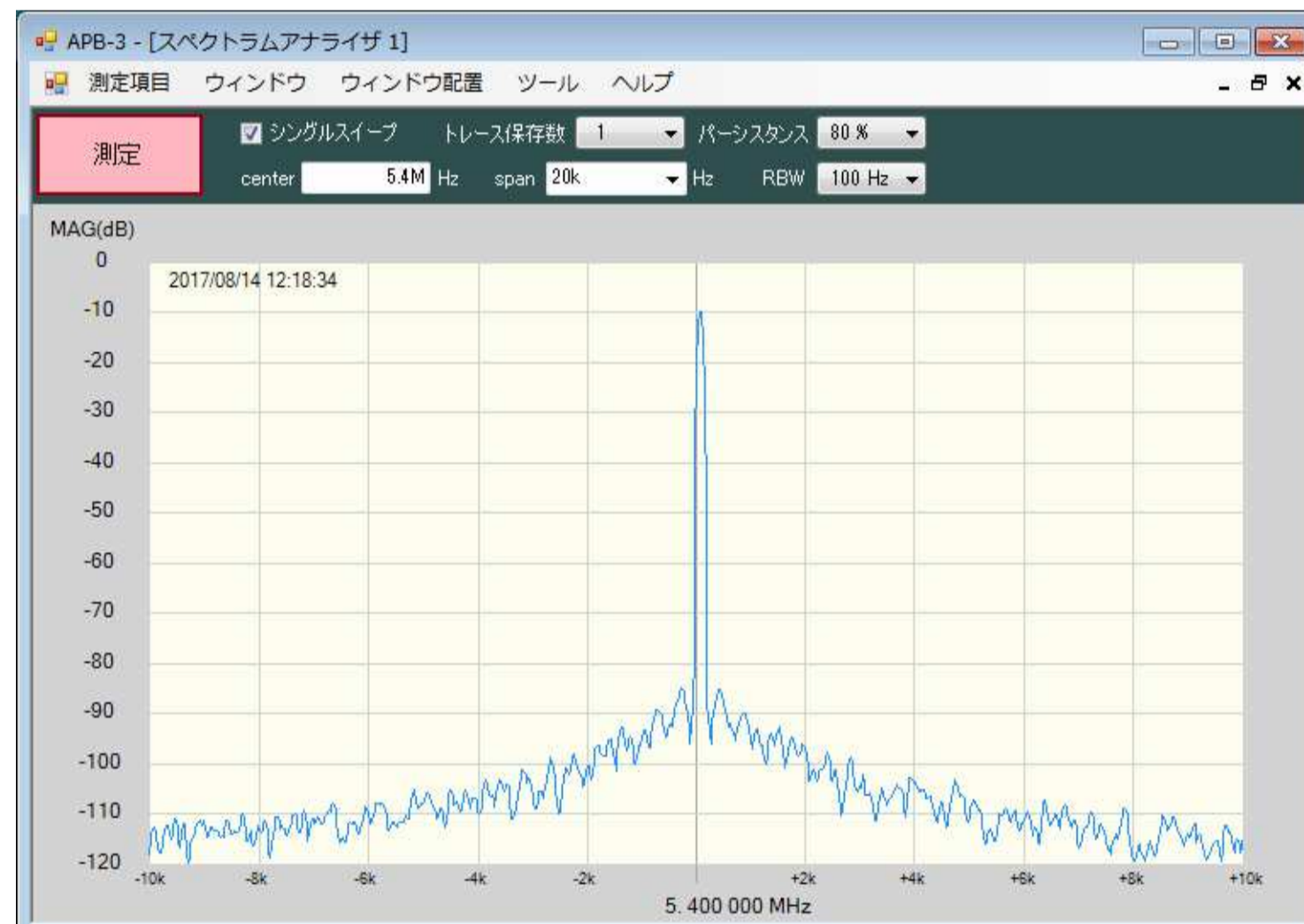
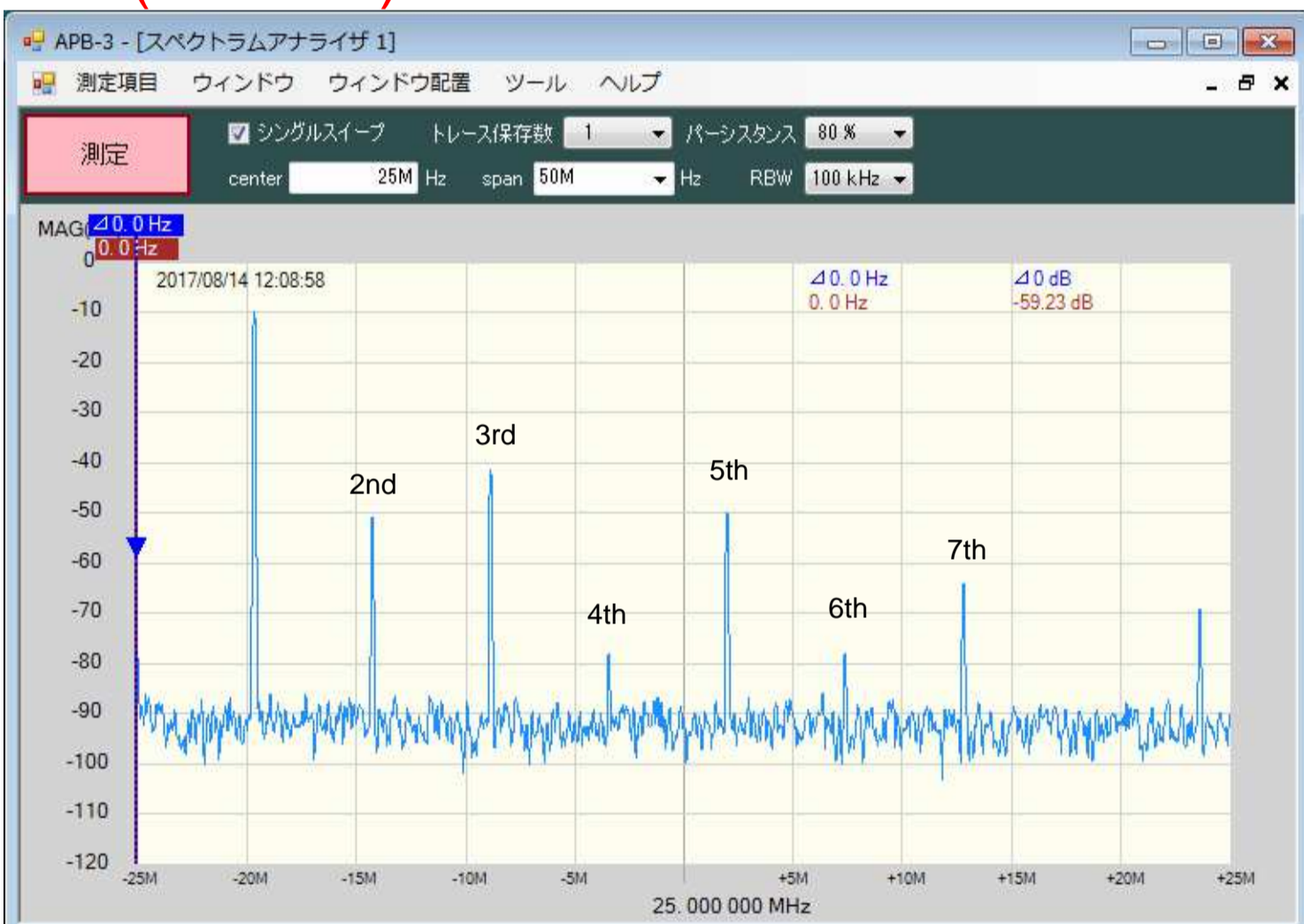
160M (1.91MHz)



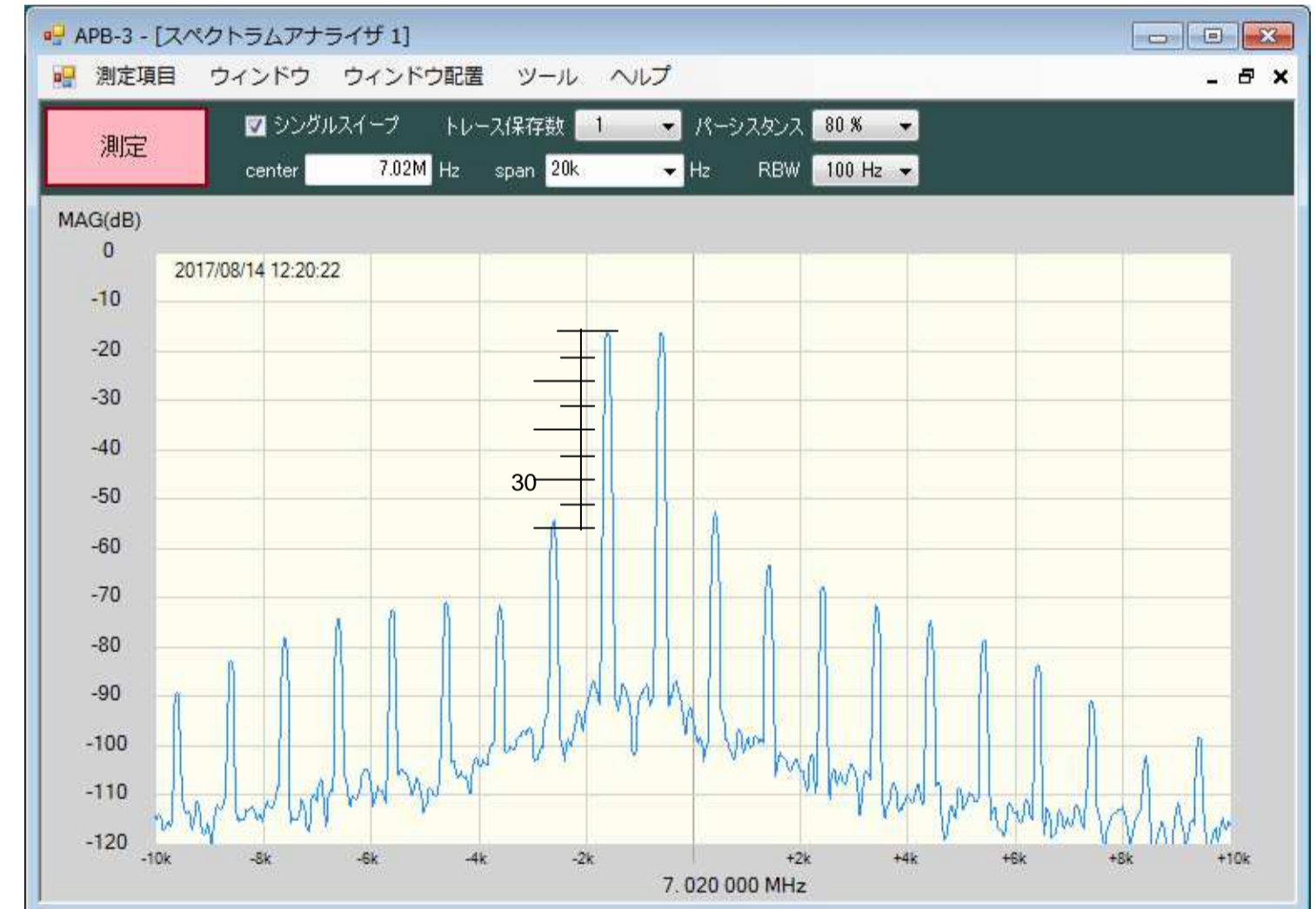
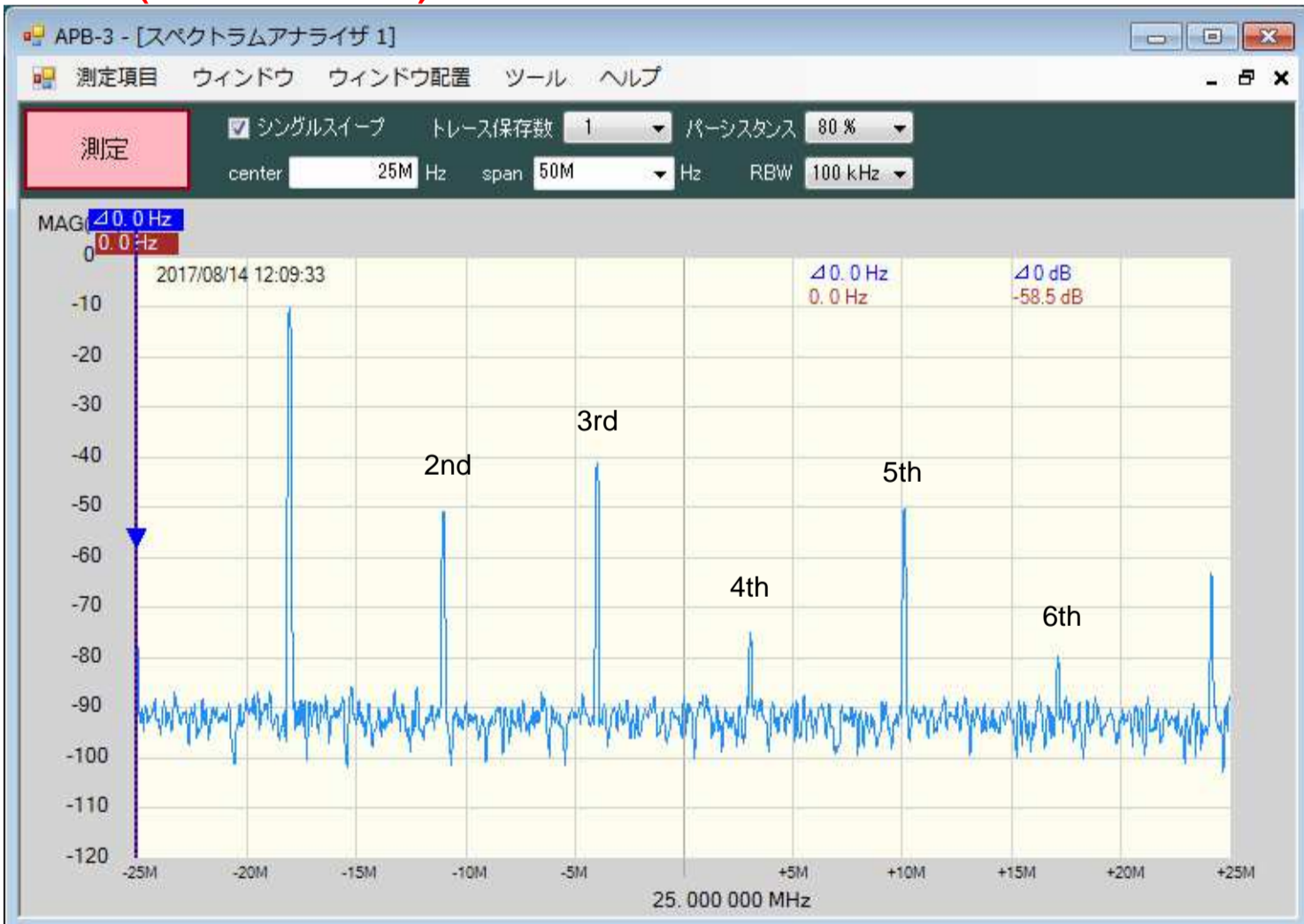
80M (3.502MHz)



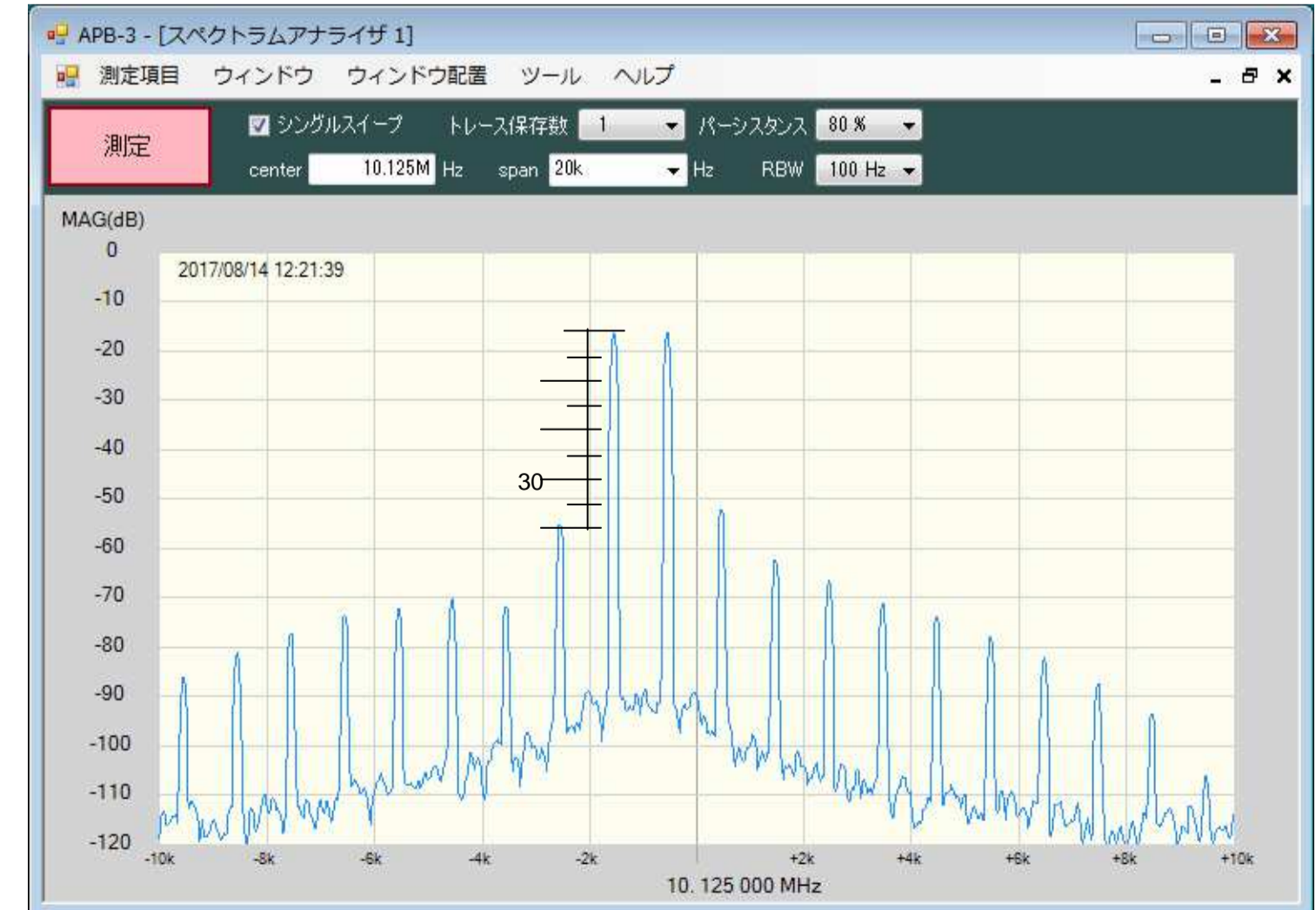
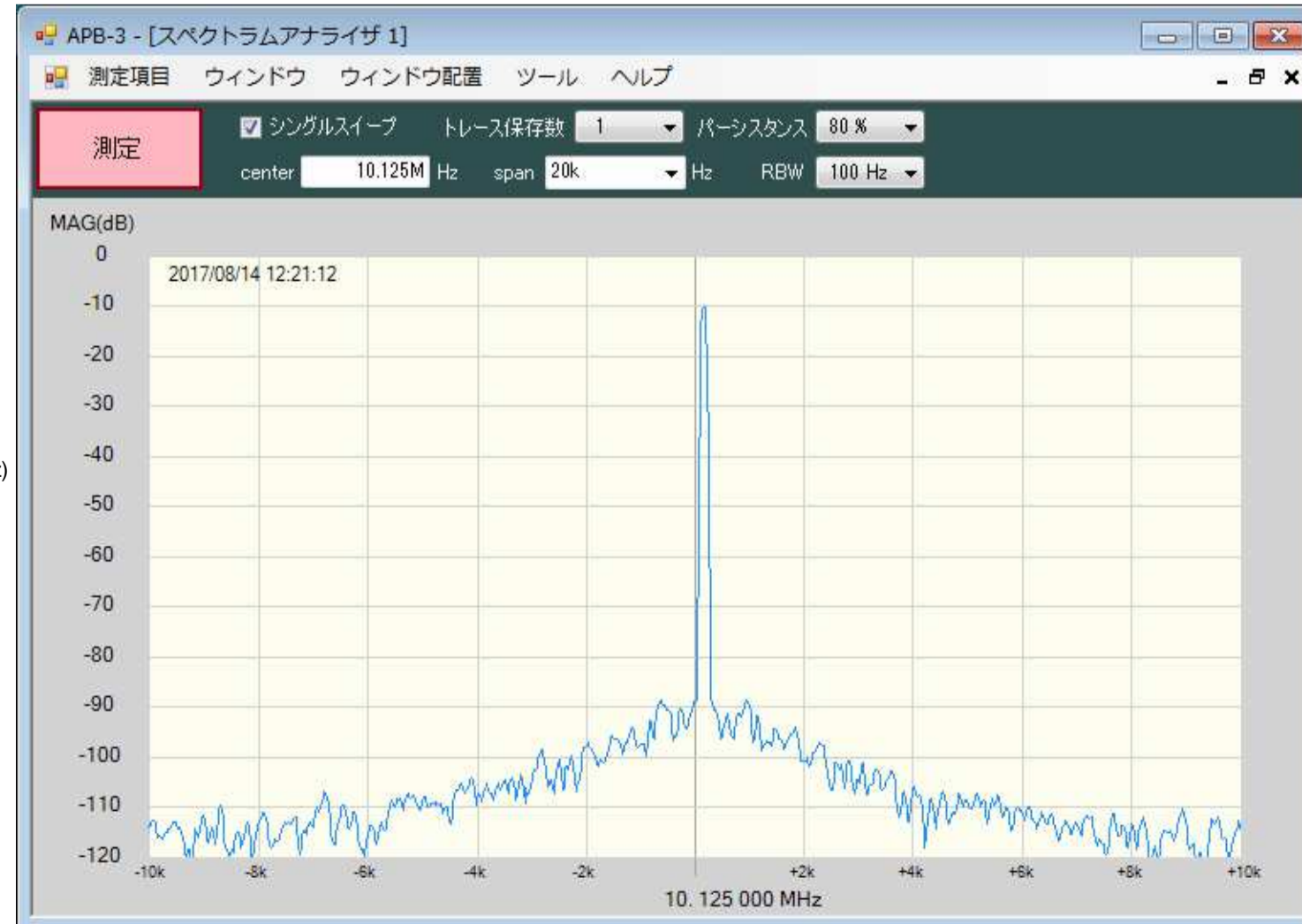
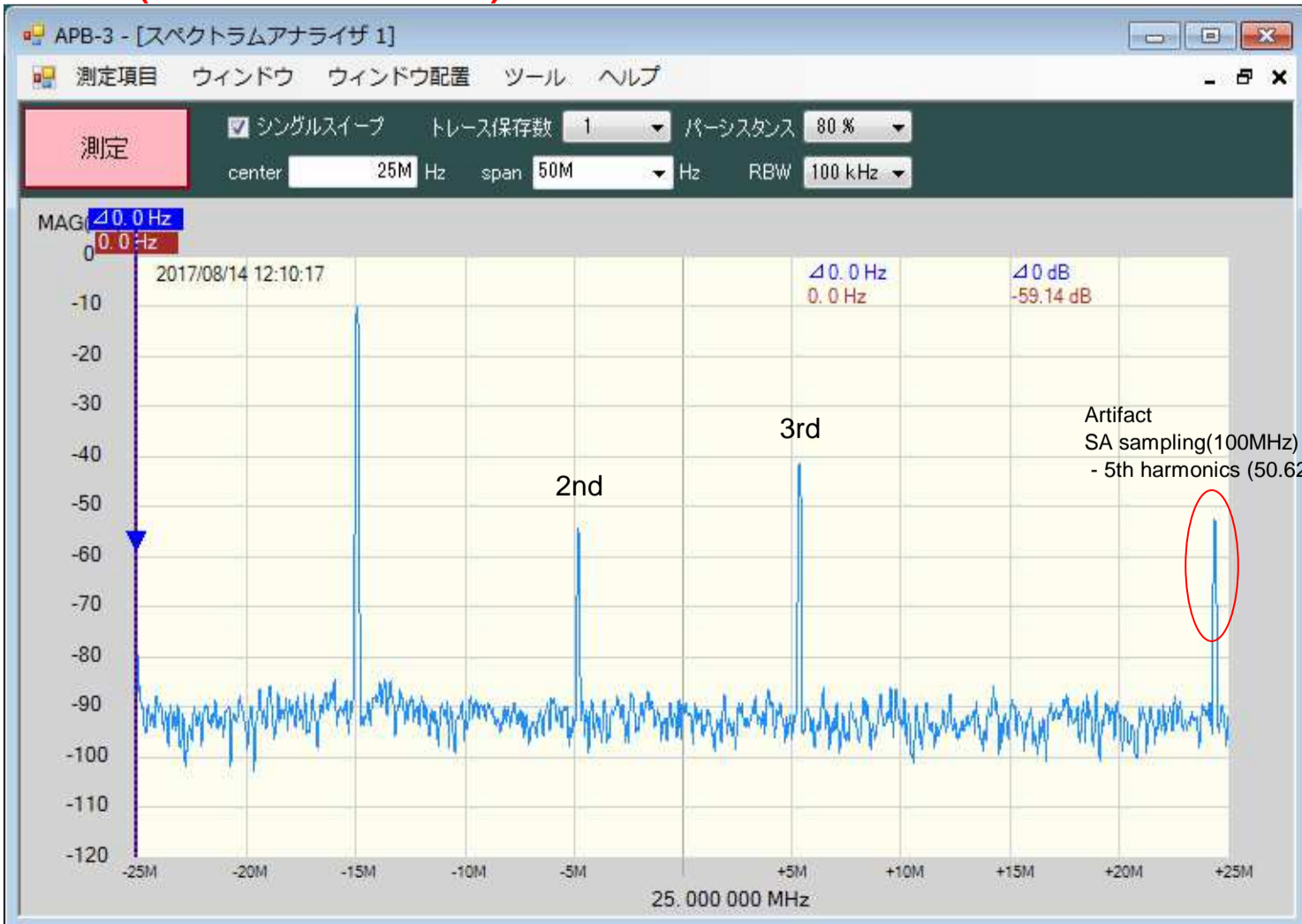
60M (5.4MHz)



40M (7.02MHz)



30M (10.125MHz)



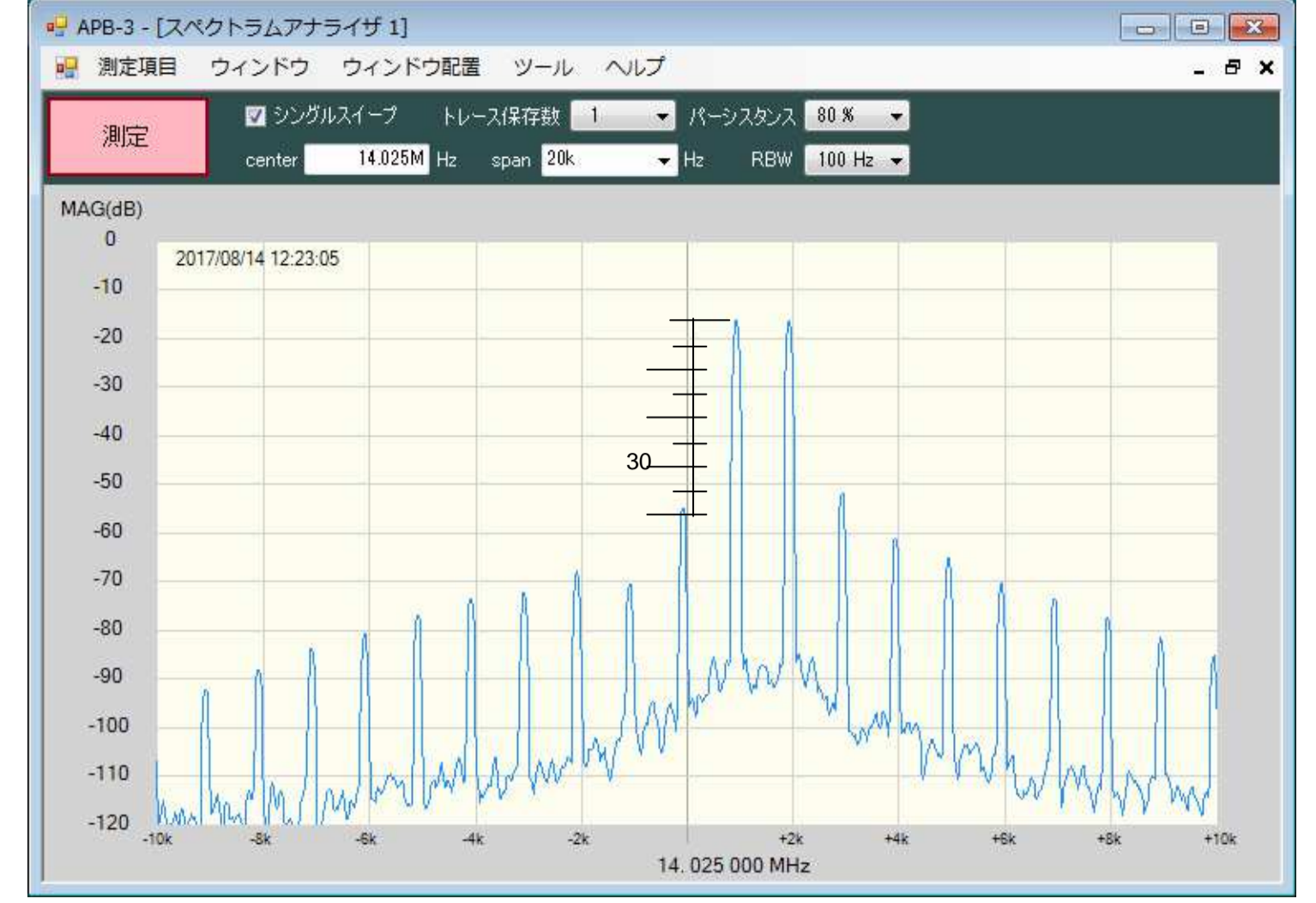
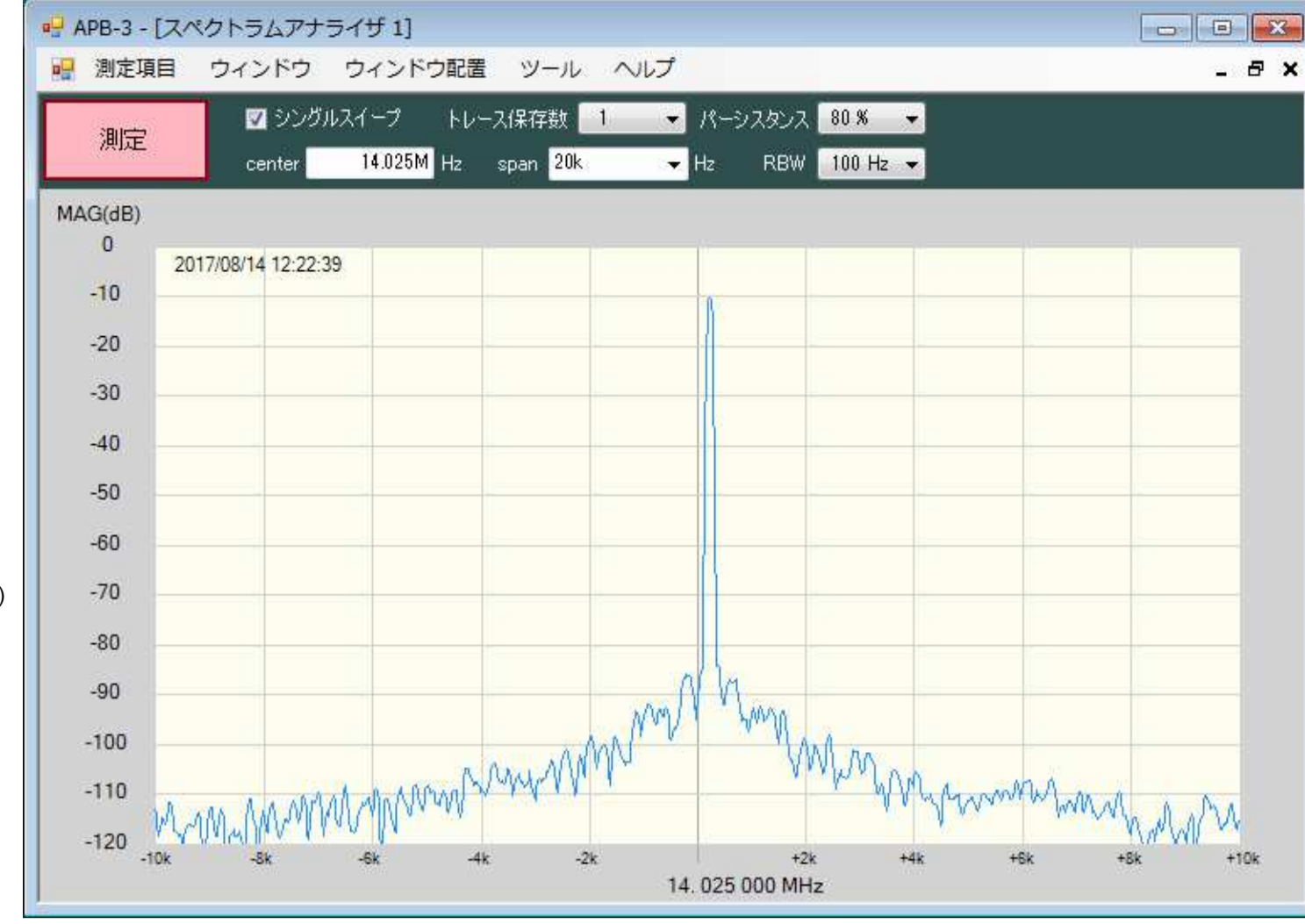
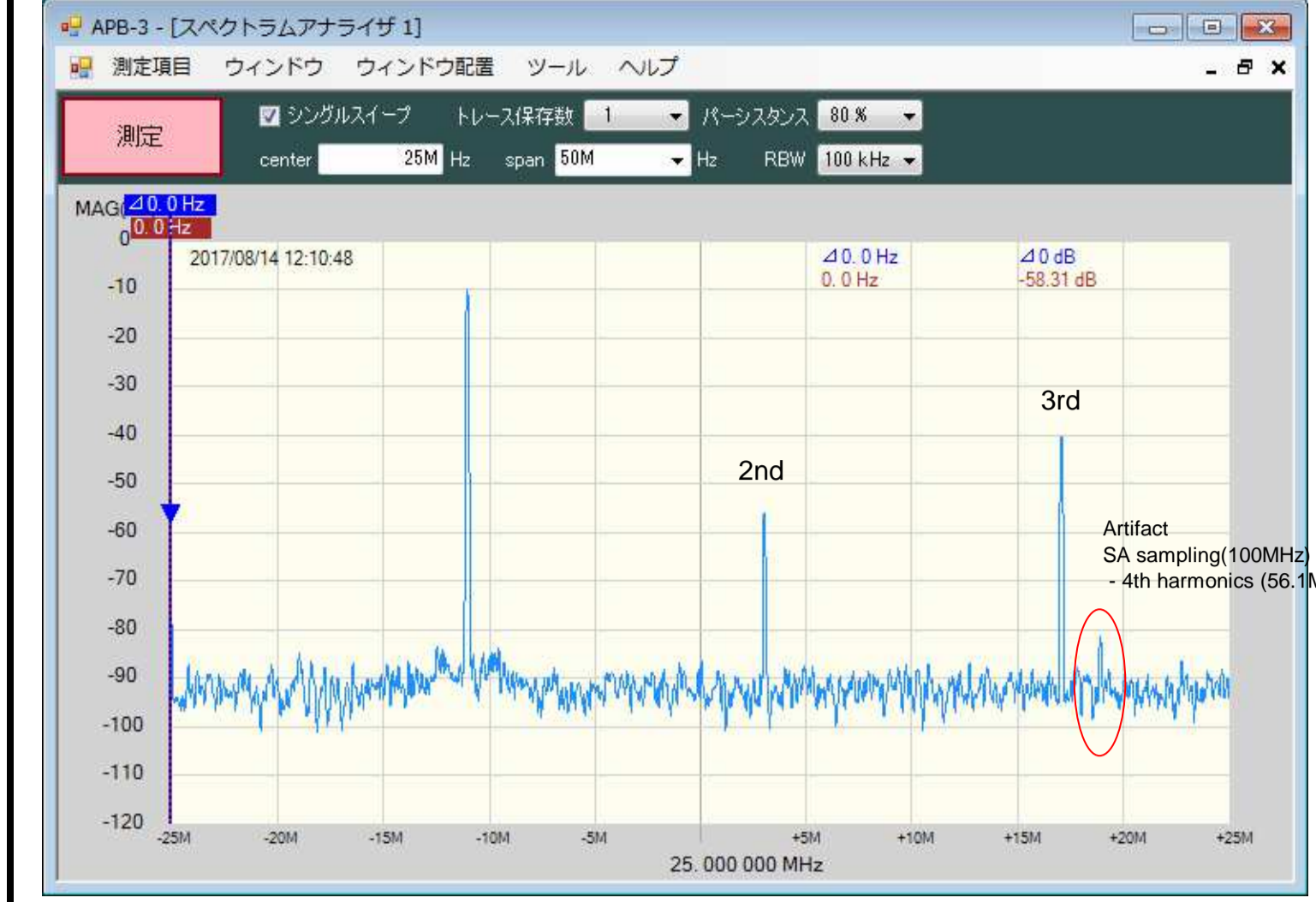
PowerSDR v3.3.9 TUNE (DriveLevel 100)

Spur : 0 - 50MHz

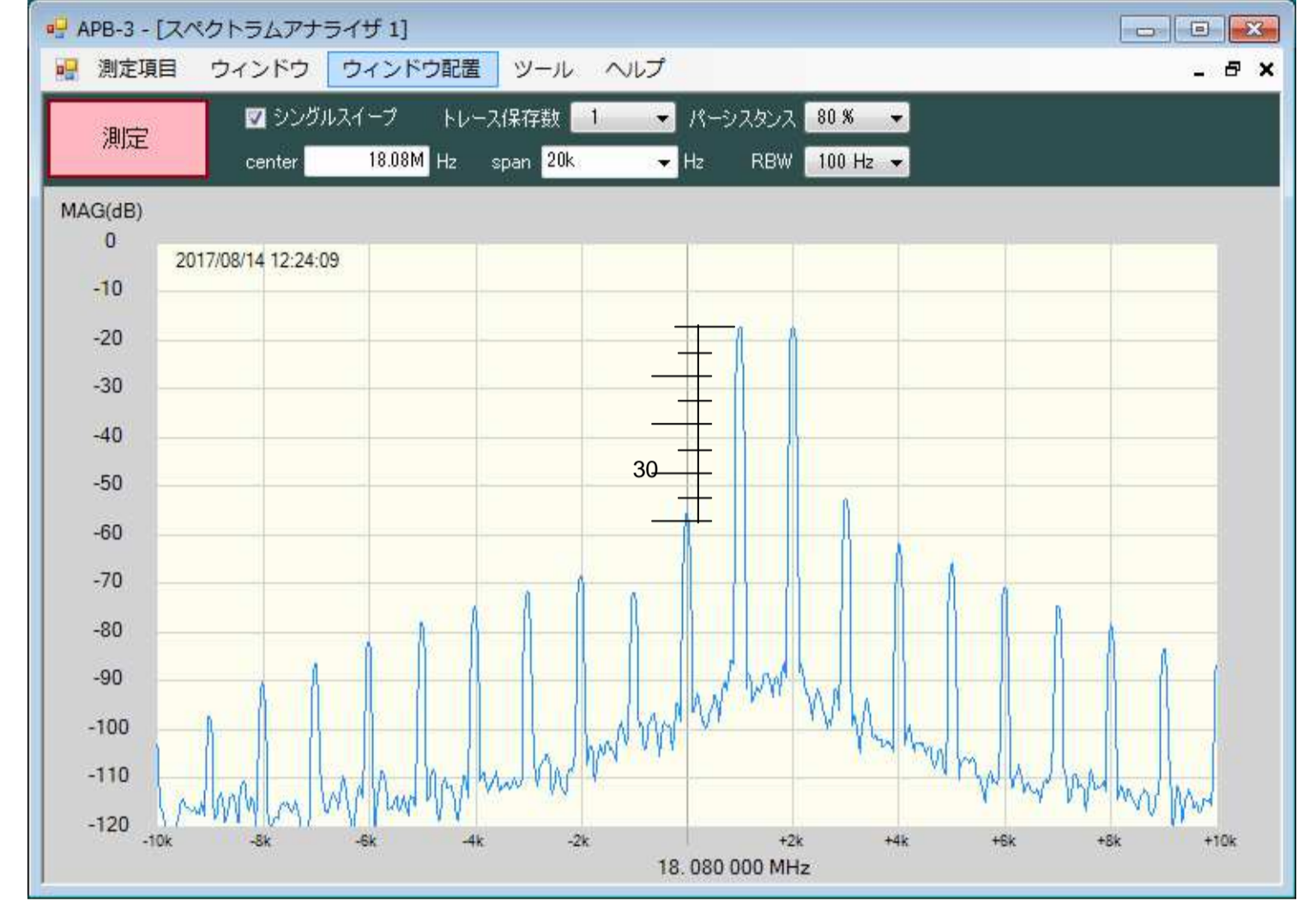
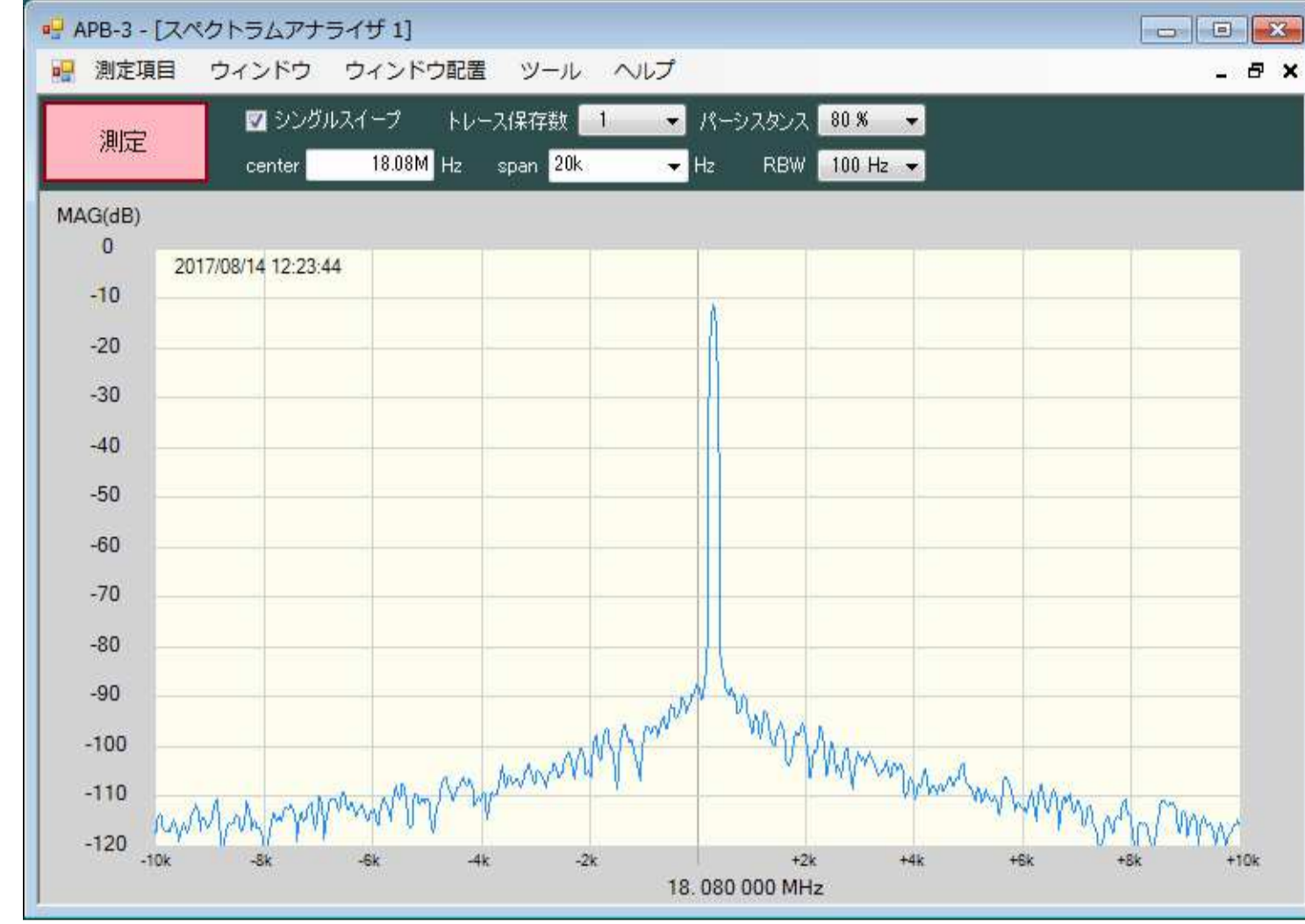
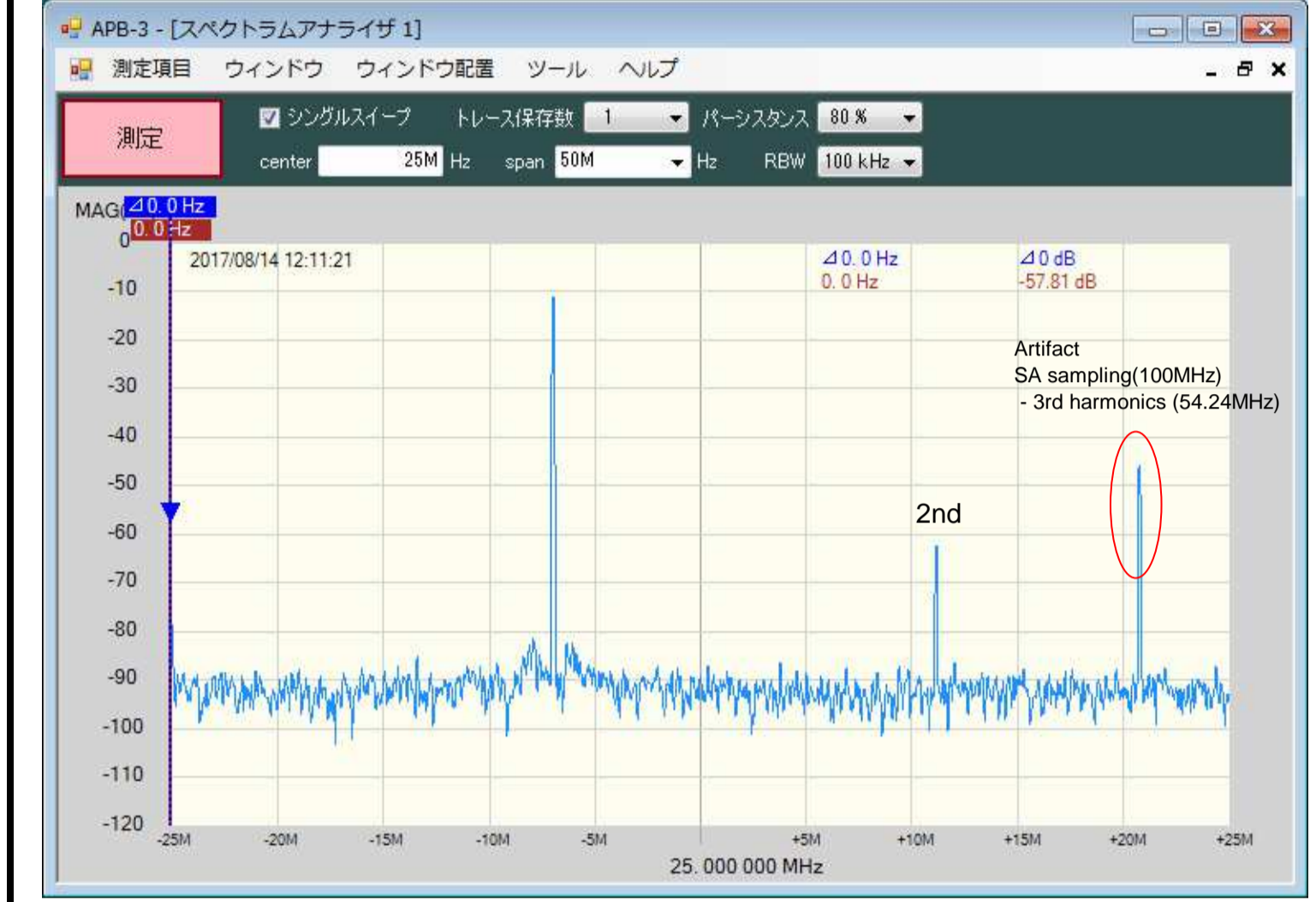
Spur : around carrier

IMD : 2 TONE (700Hz, 1700Hz)

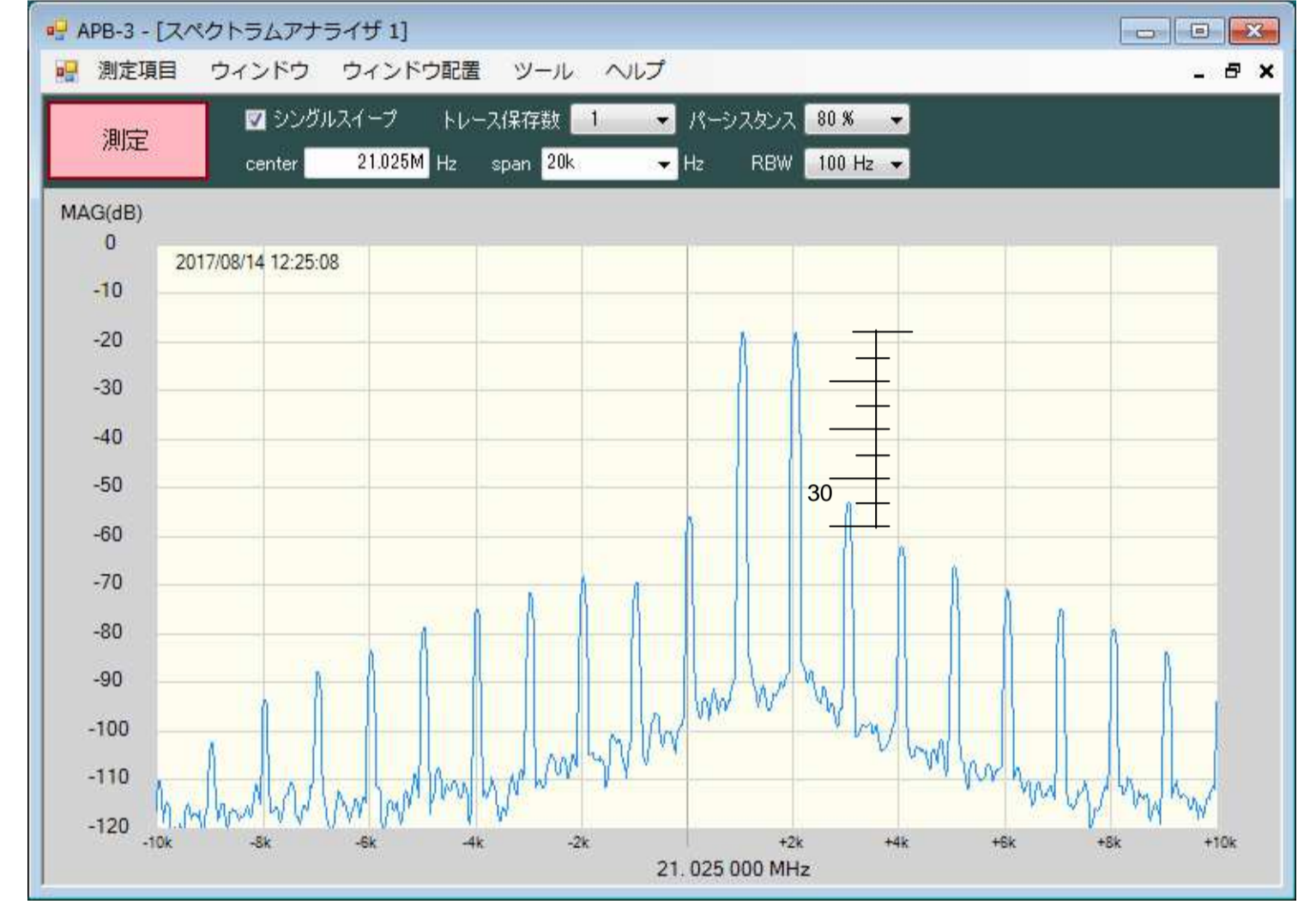
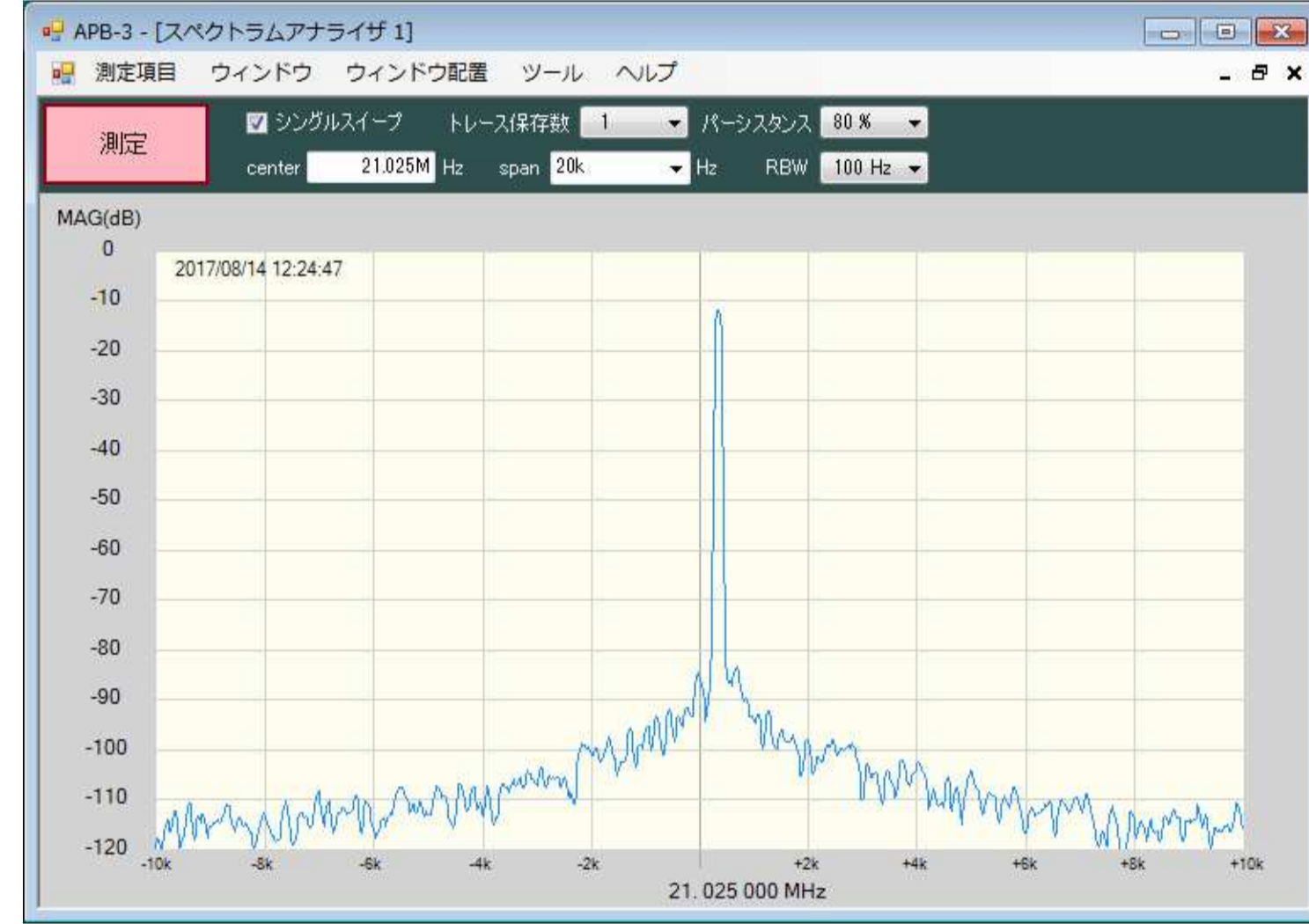
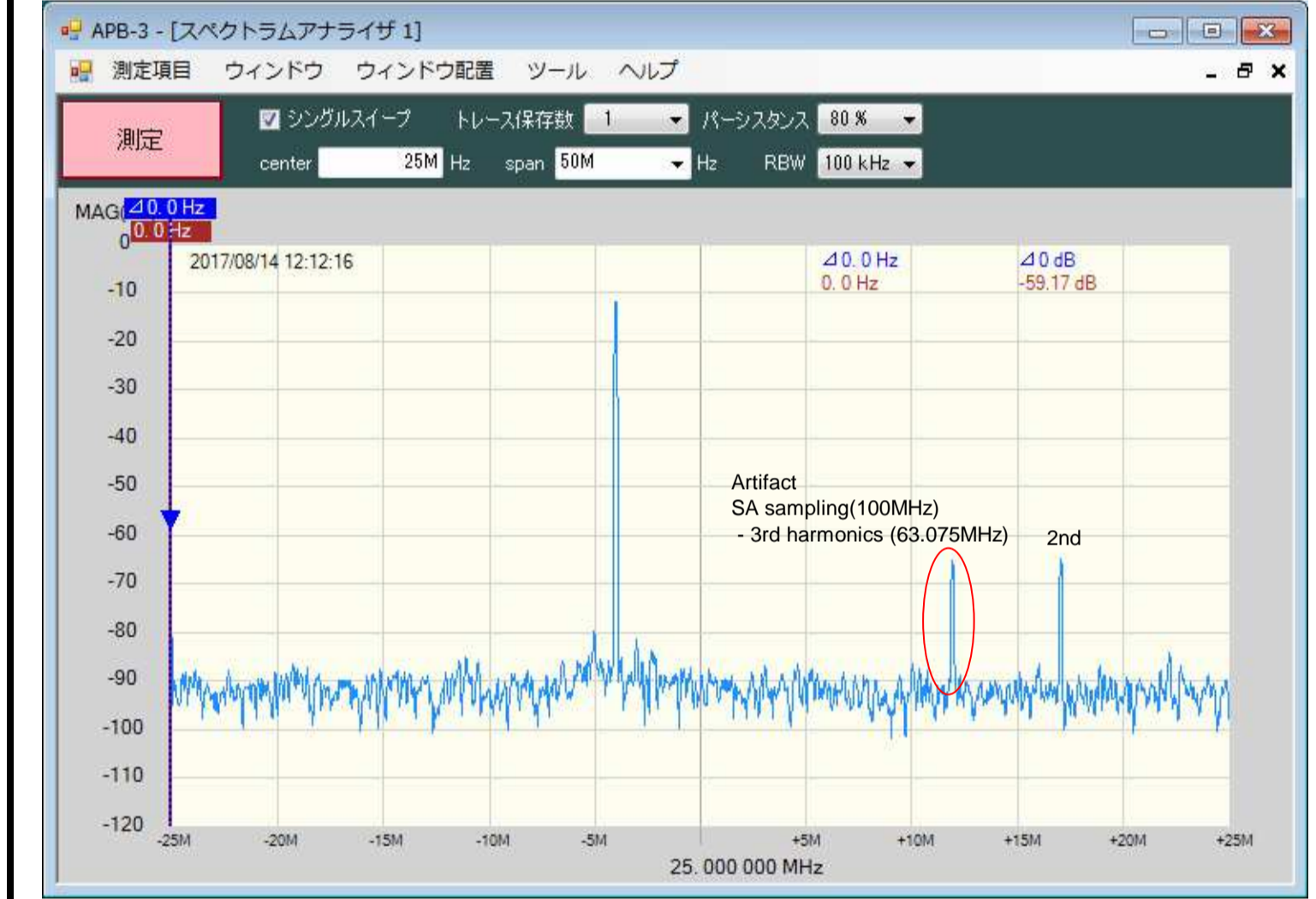
20M (14.025MHz)



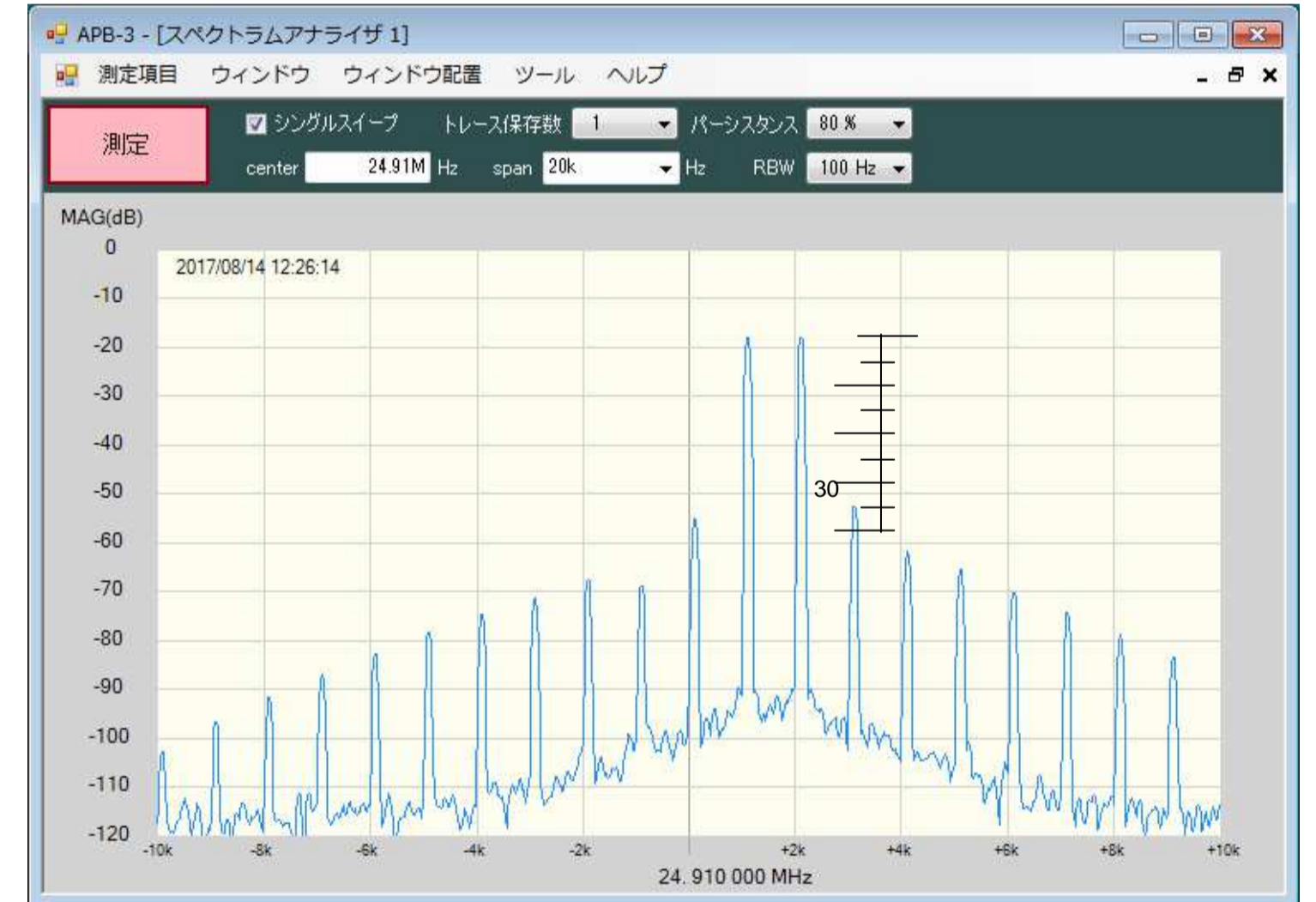
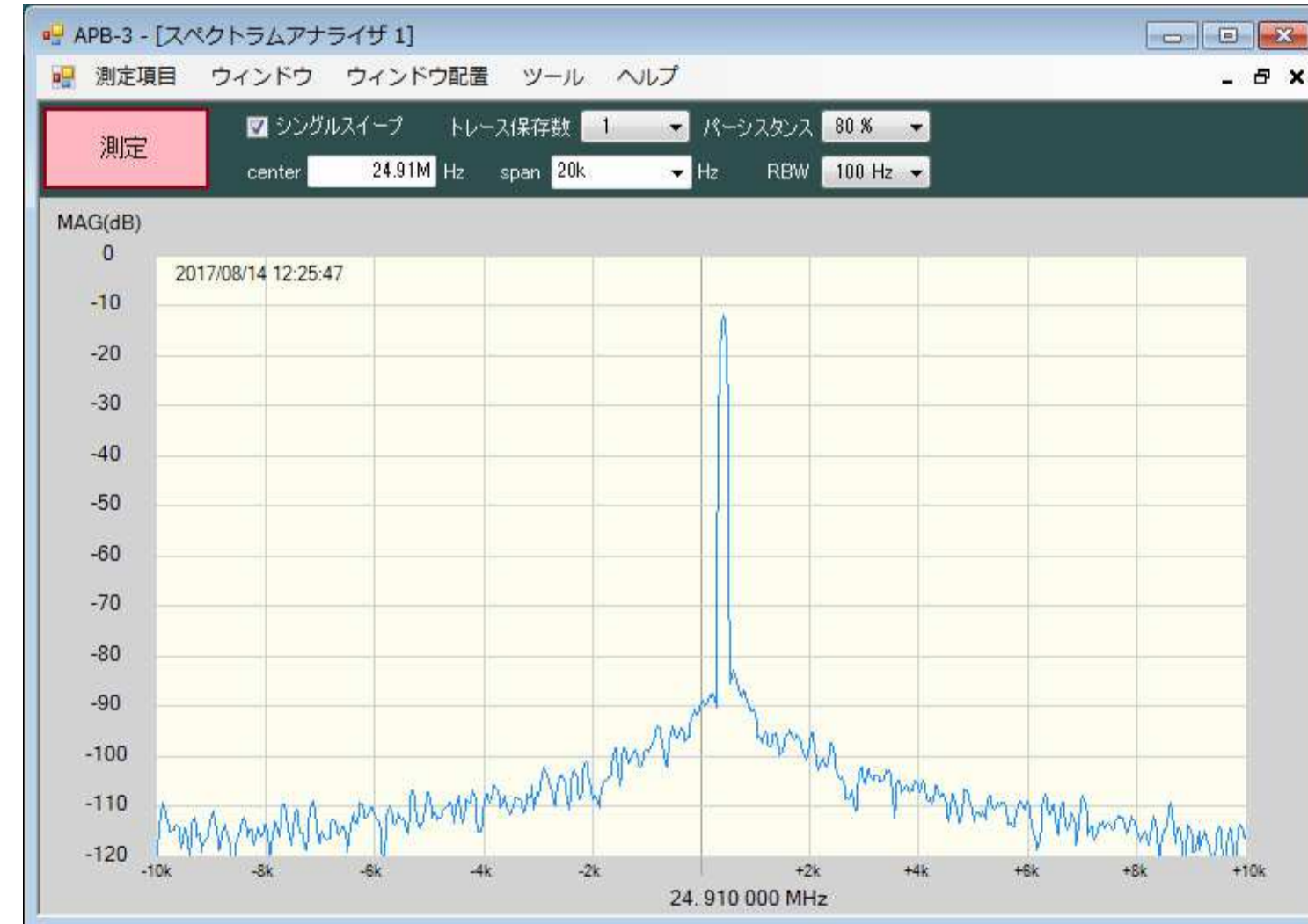
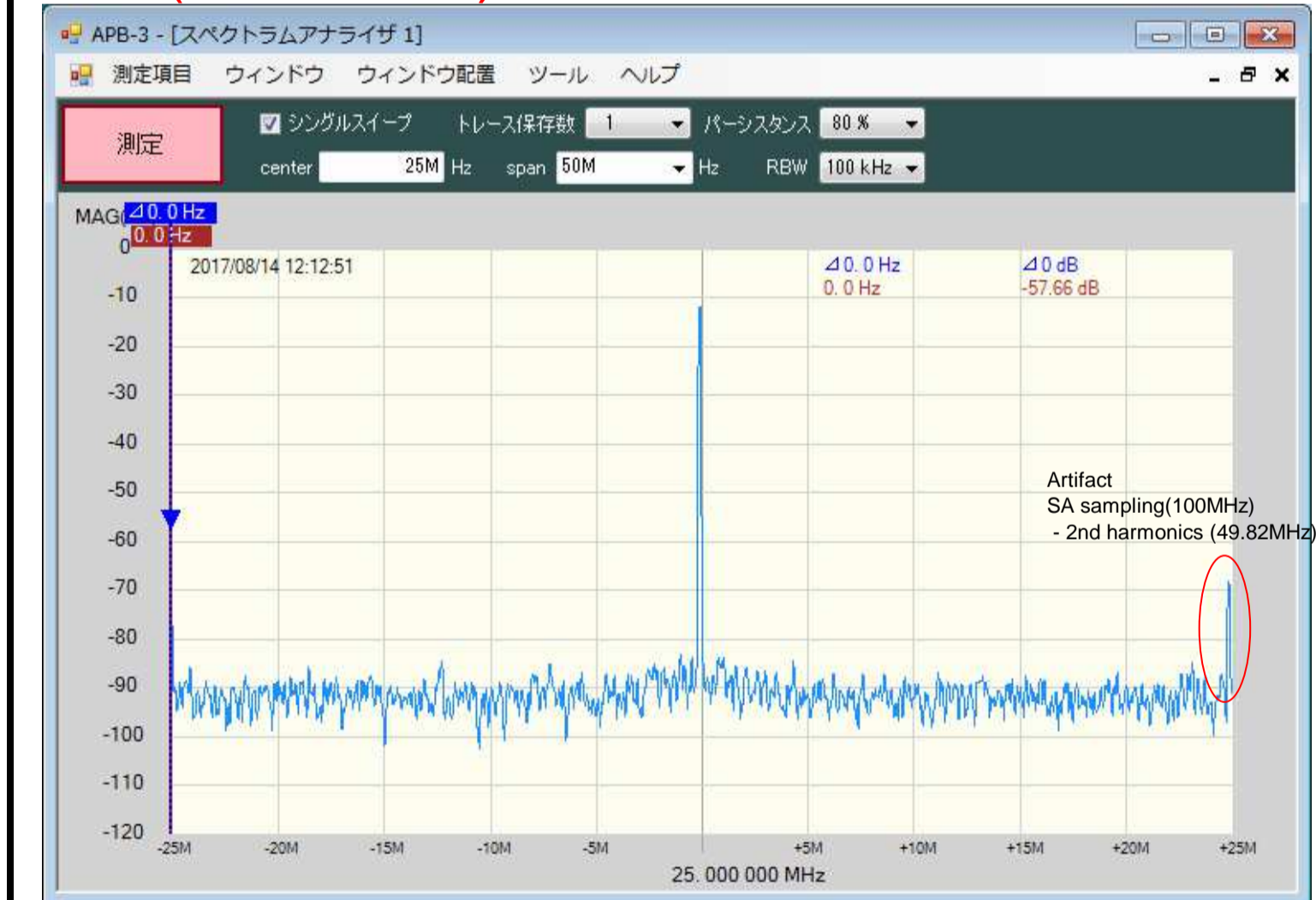
17M (18.080MHz)



15M (21.025MHz)



12M (24.91MHz)



10M (28.5MHz)

