

APPENDIX E

WIRA112652

Appendix E FCC 15.225 and RSS-210 HF Data

**HID Global Corporation
ELEMENT Card Marking System
SRD Model: X002600**

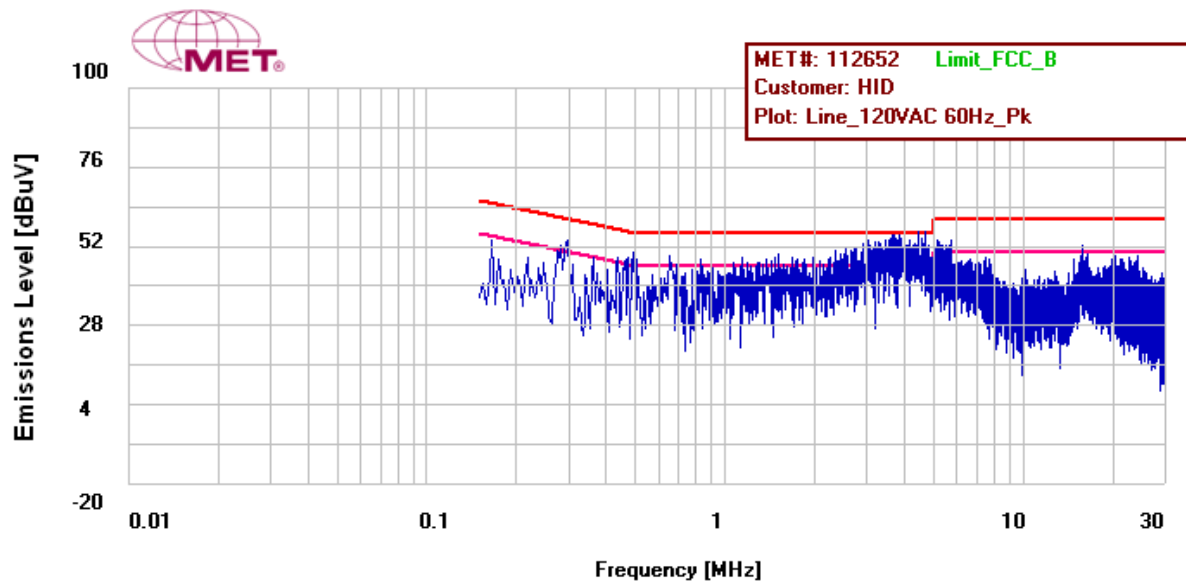


Figure 1. Conducted Emissions, OK 5127SI, Line Plot

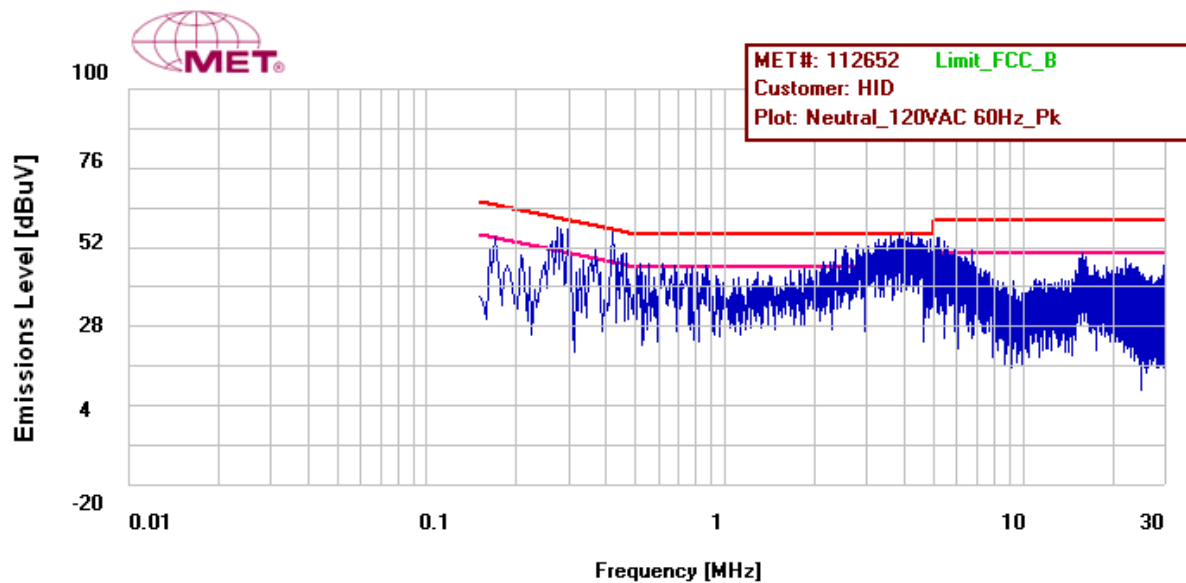


Figure 2. Conducted Emissions, OK 5127SI, Neutral Plot

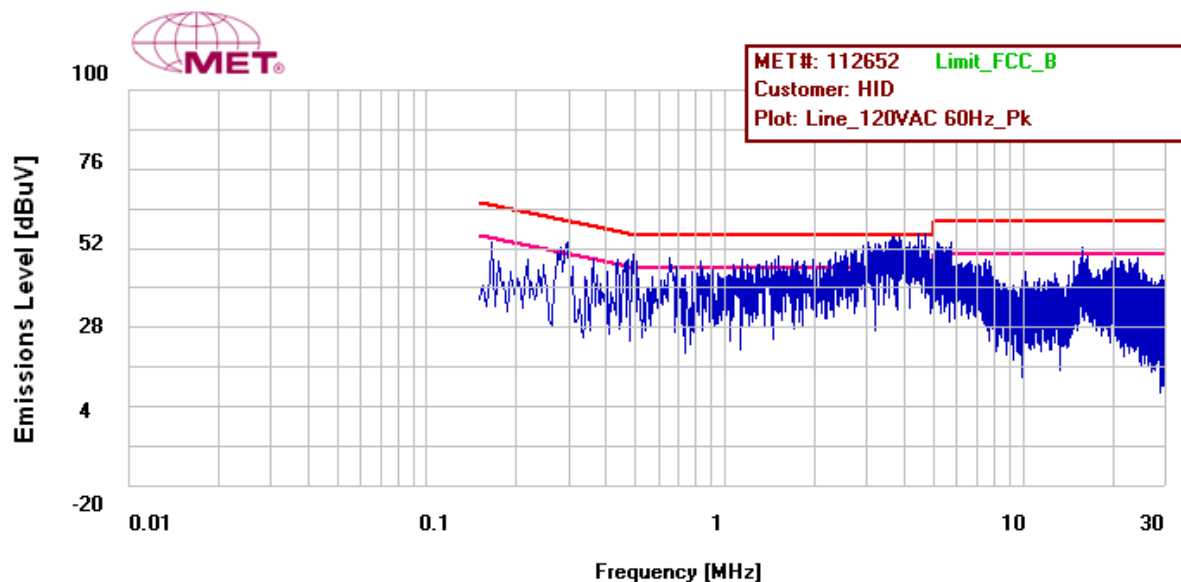


Figure 3. Conducted Emissions, SmartWare, Line Plot

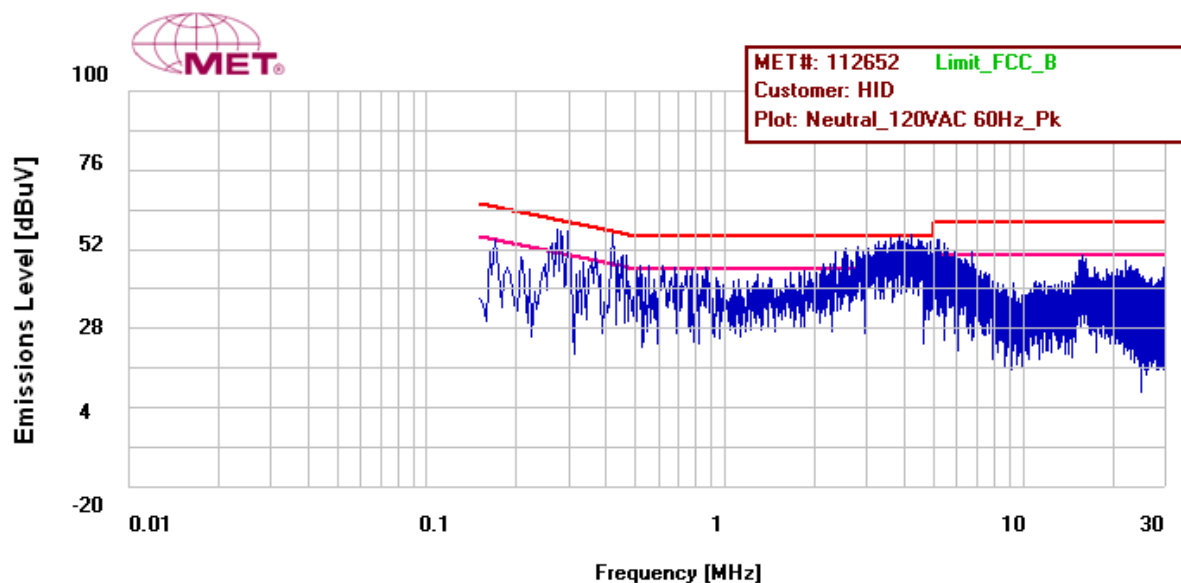


Figure 4. Conducted Emissions, SmartWare, Neutral Plot

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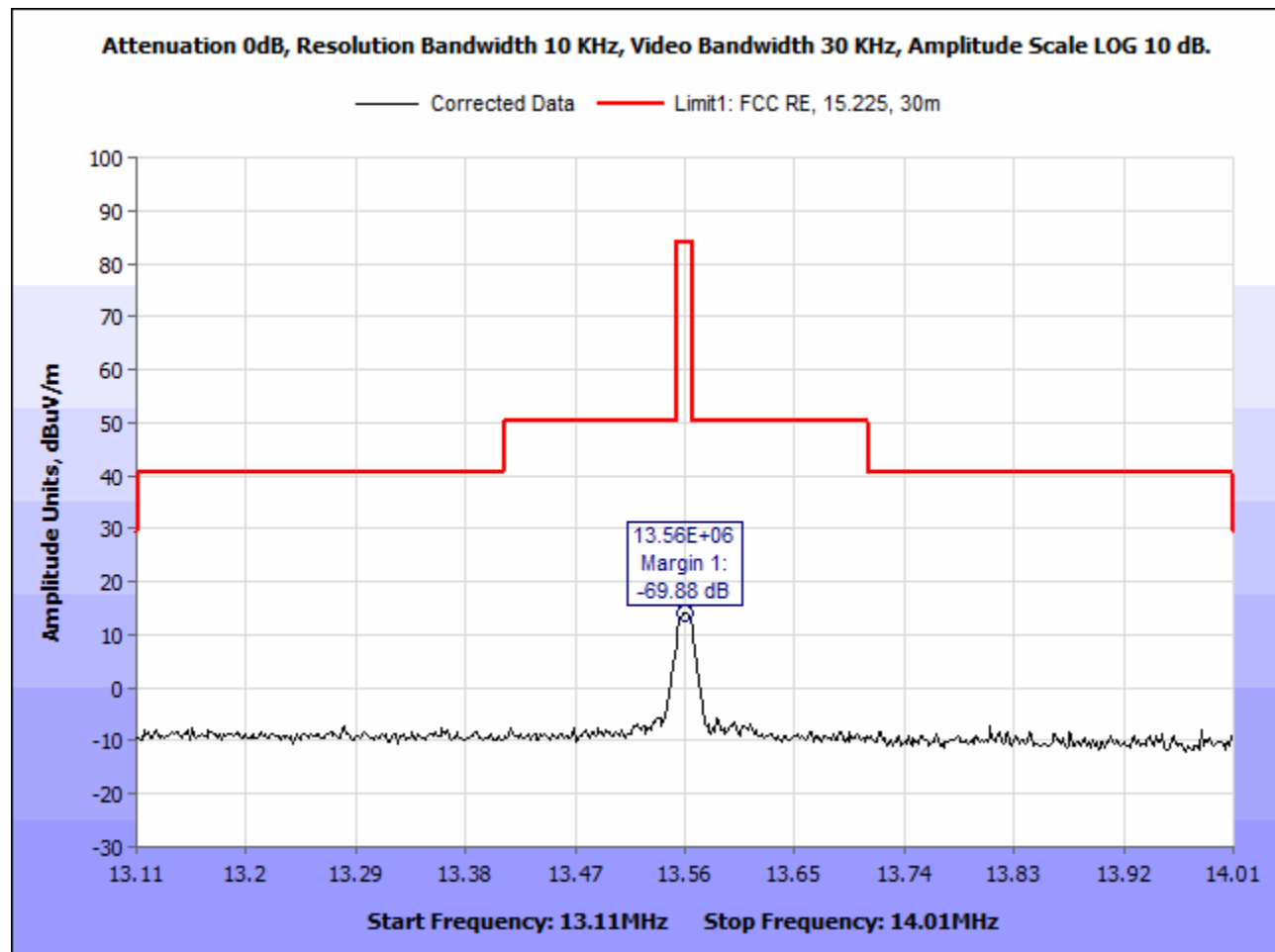


Figure 5: Field Strength Emissions, 15.225 Spectral Mask, OK 5127SI, 13.110-14.010 MHz - 0 Degrees

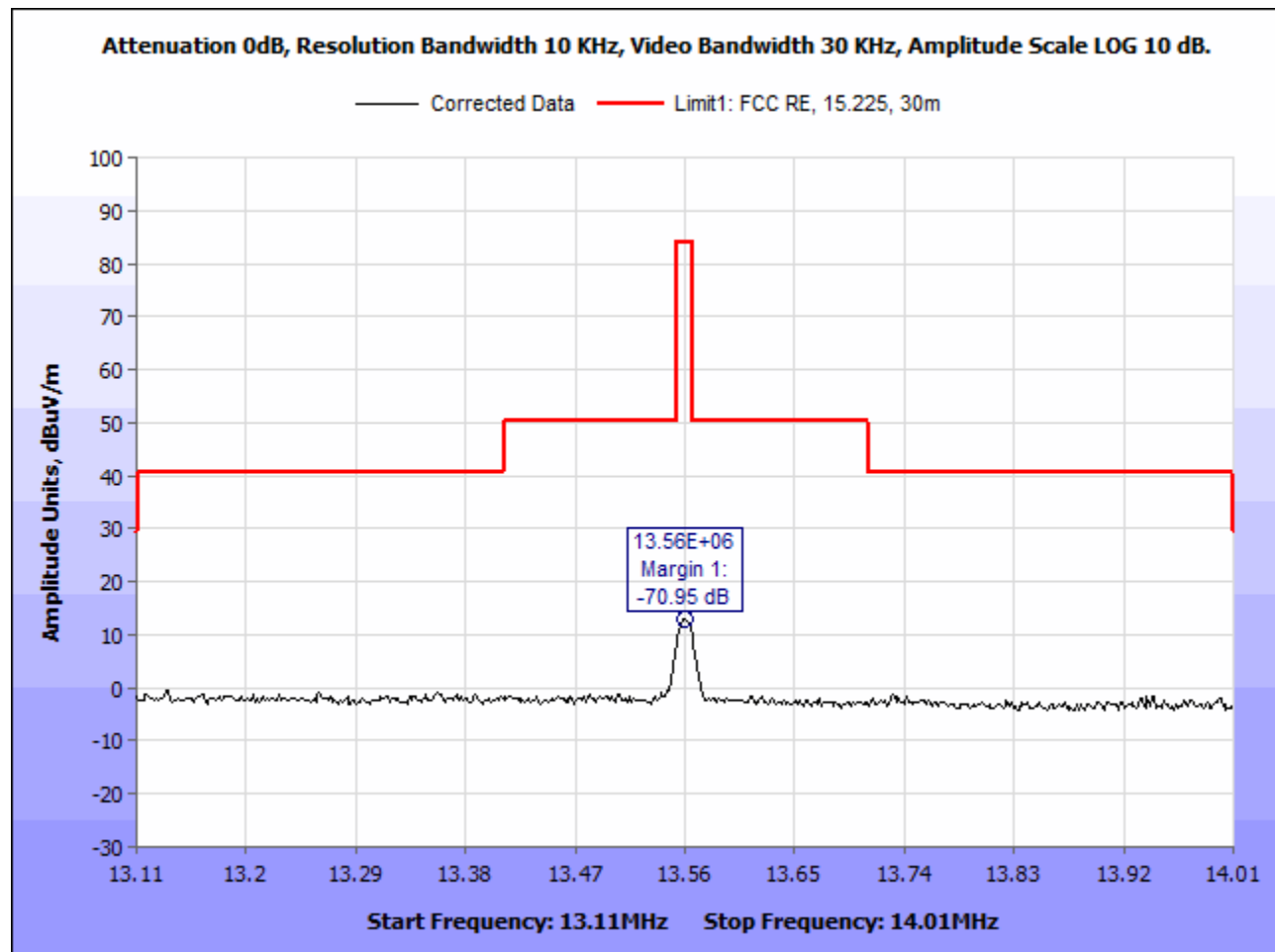


Figure 6: Field Strength Emissions, 15.225 Spectral Mask, OK 5127SI, 13.110-14.010 MHz - 90 Degrees

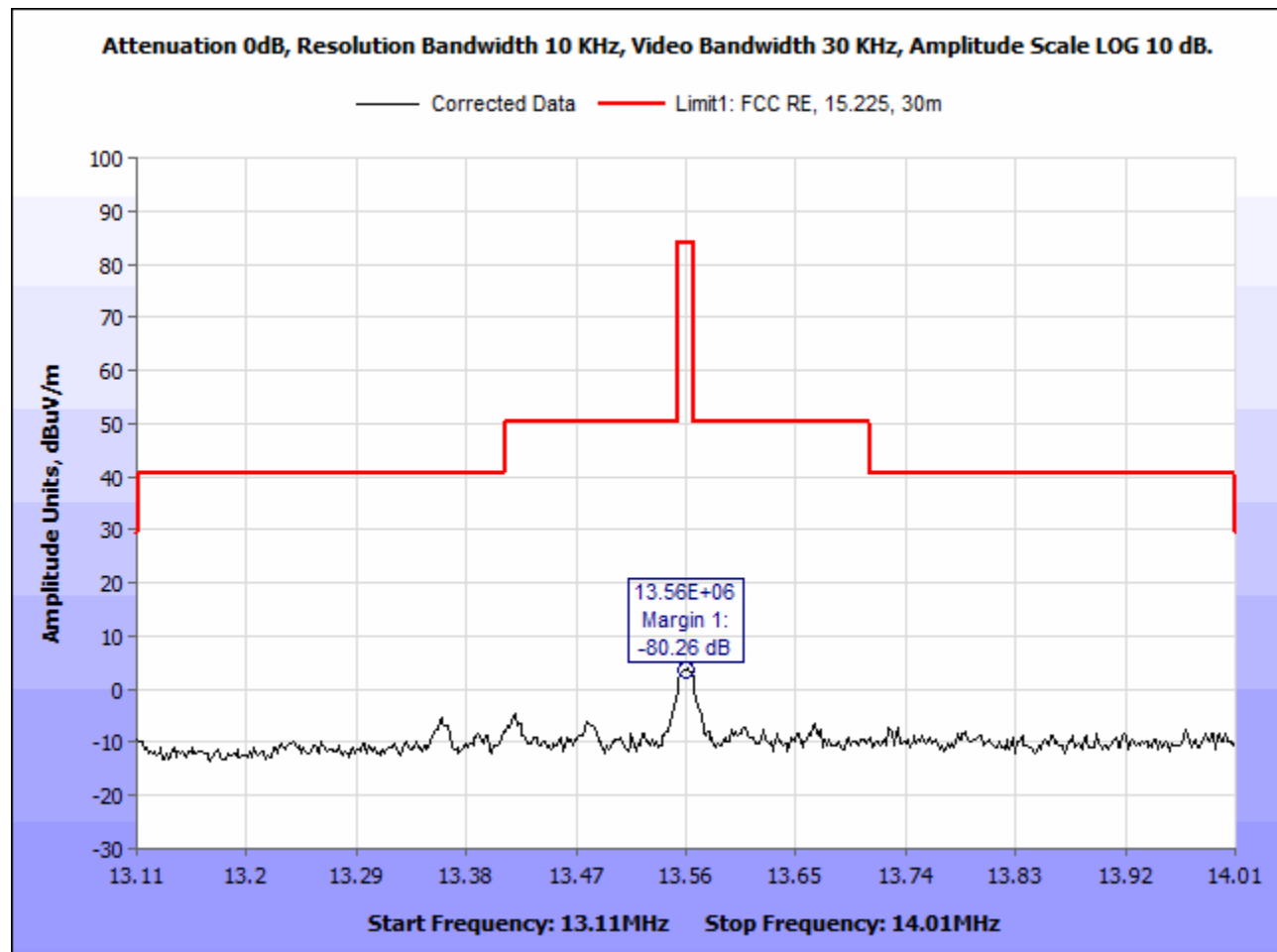


Figure 7: Field Strength Emissions, 15.225 Spectral Mask, SmartWare, 13.110-14.010 MHz - 0 Degrees

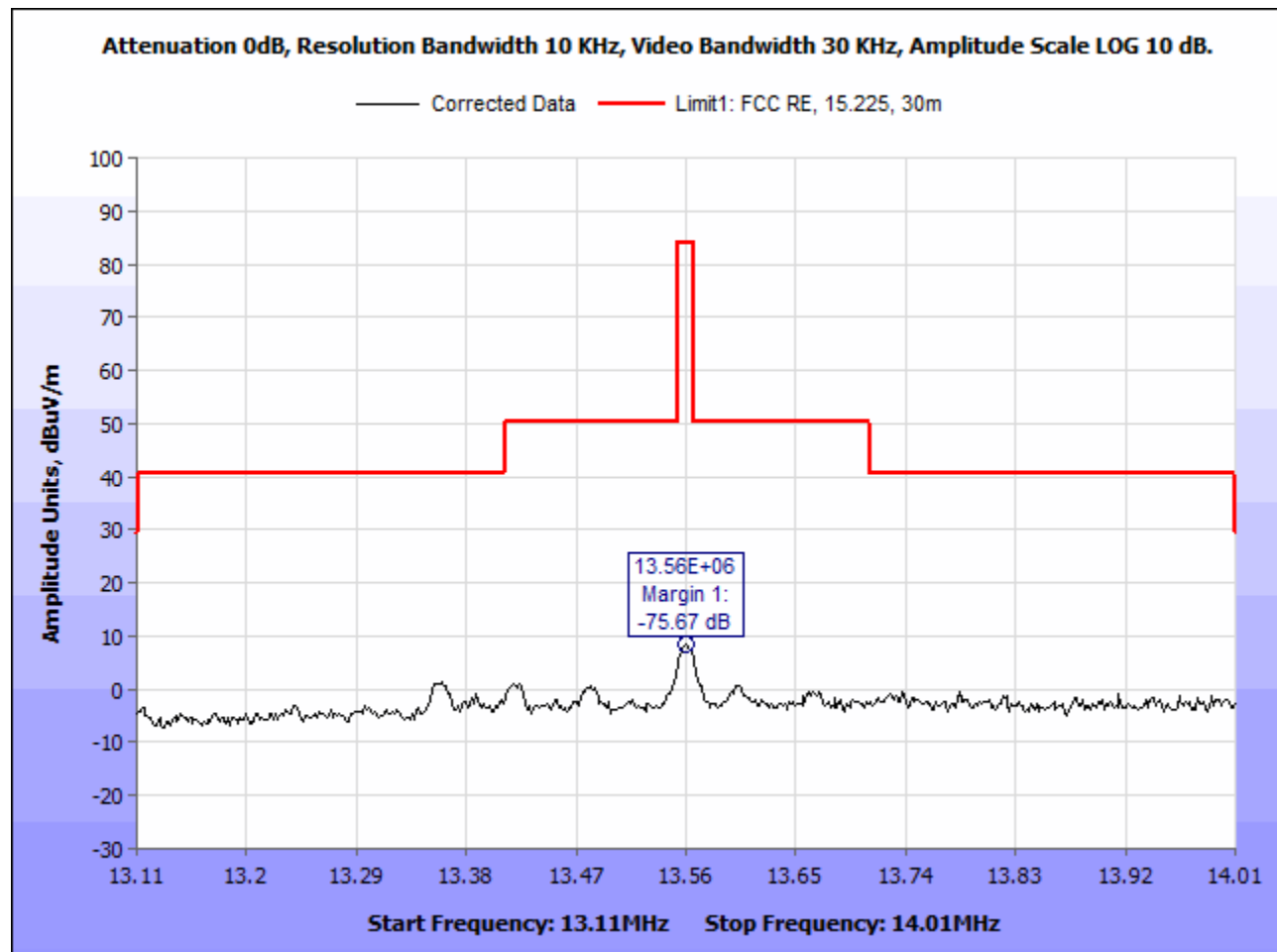


Figure 8: Field Strength Emissions, 15.225 Spectral Mask, SmartWare, 13.110-14.010 MHz - 90 Deg.

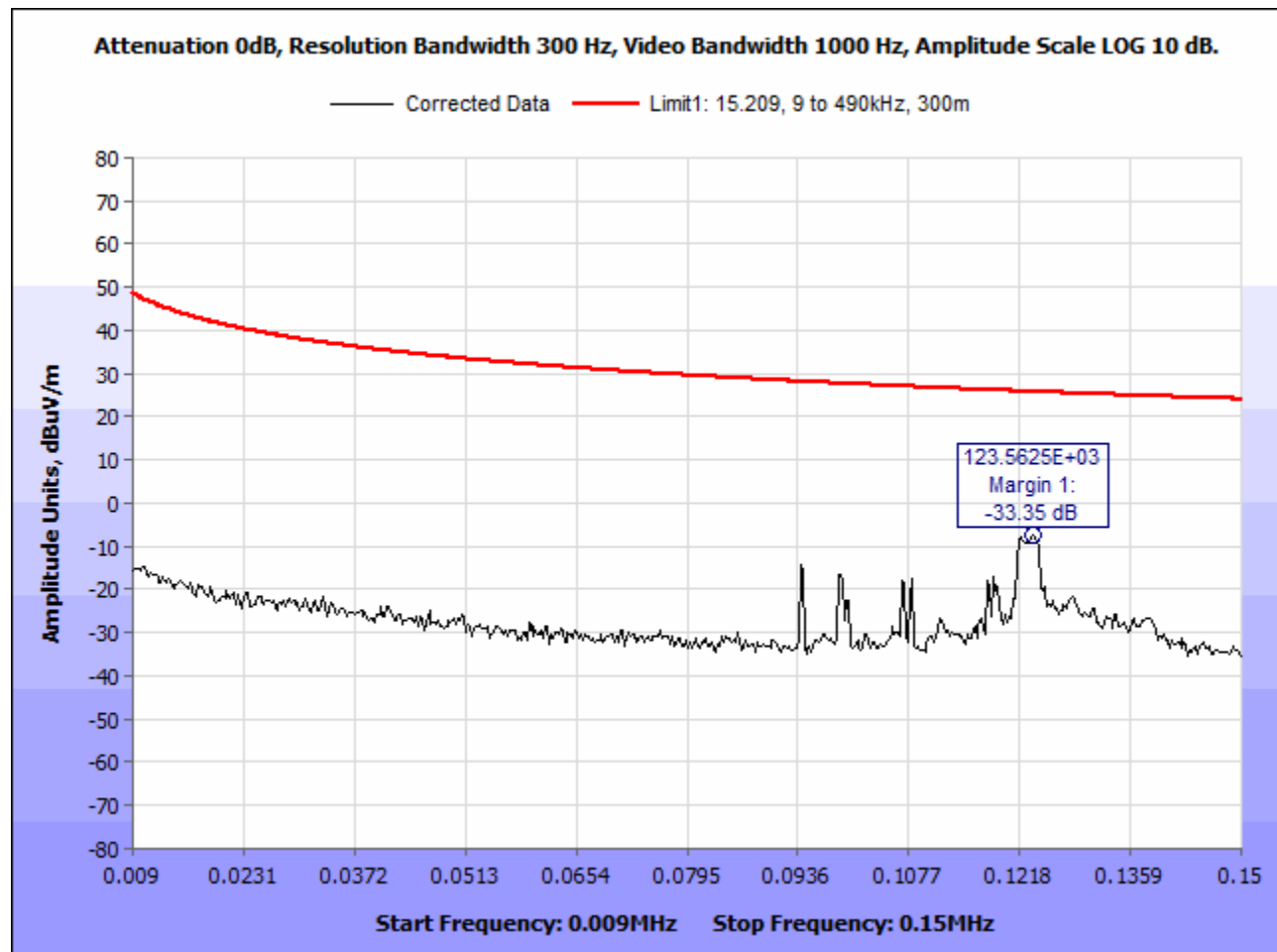


Figure 9: Radiated Spurious Emissions, OK 5127SI, 0.009-0.150 MHz - 0 Degrees

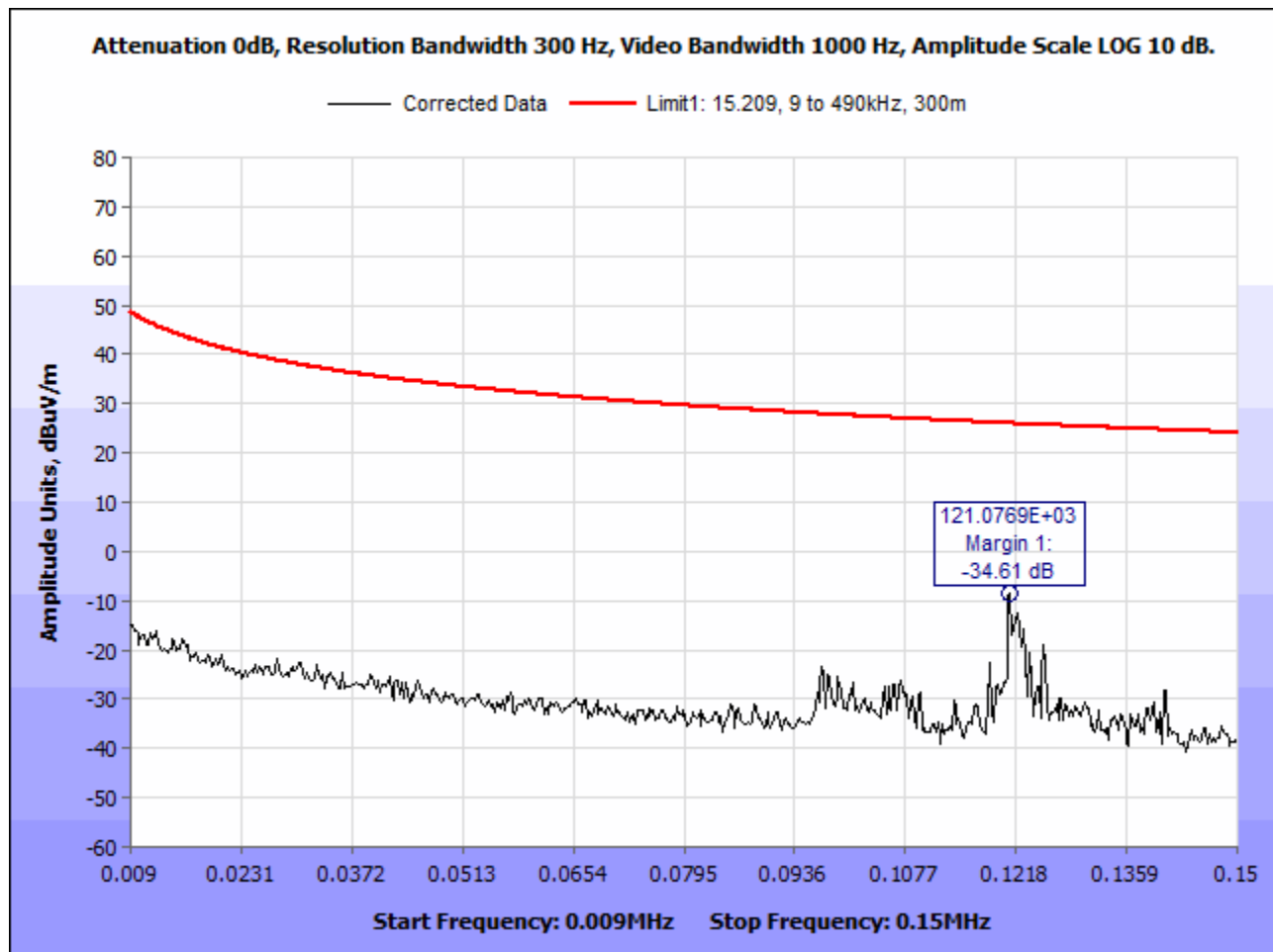


Figure 10: Radiated Spurious Emissions, OK 5127SI, 0.009-0.150 MHz - 90 Degrees

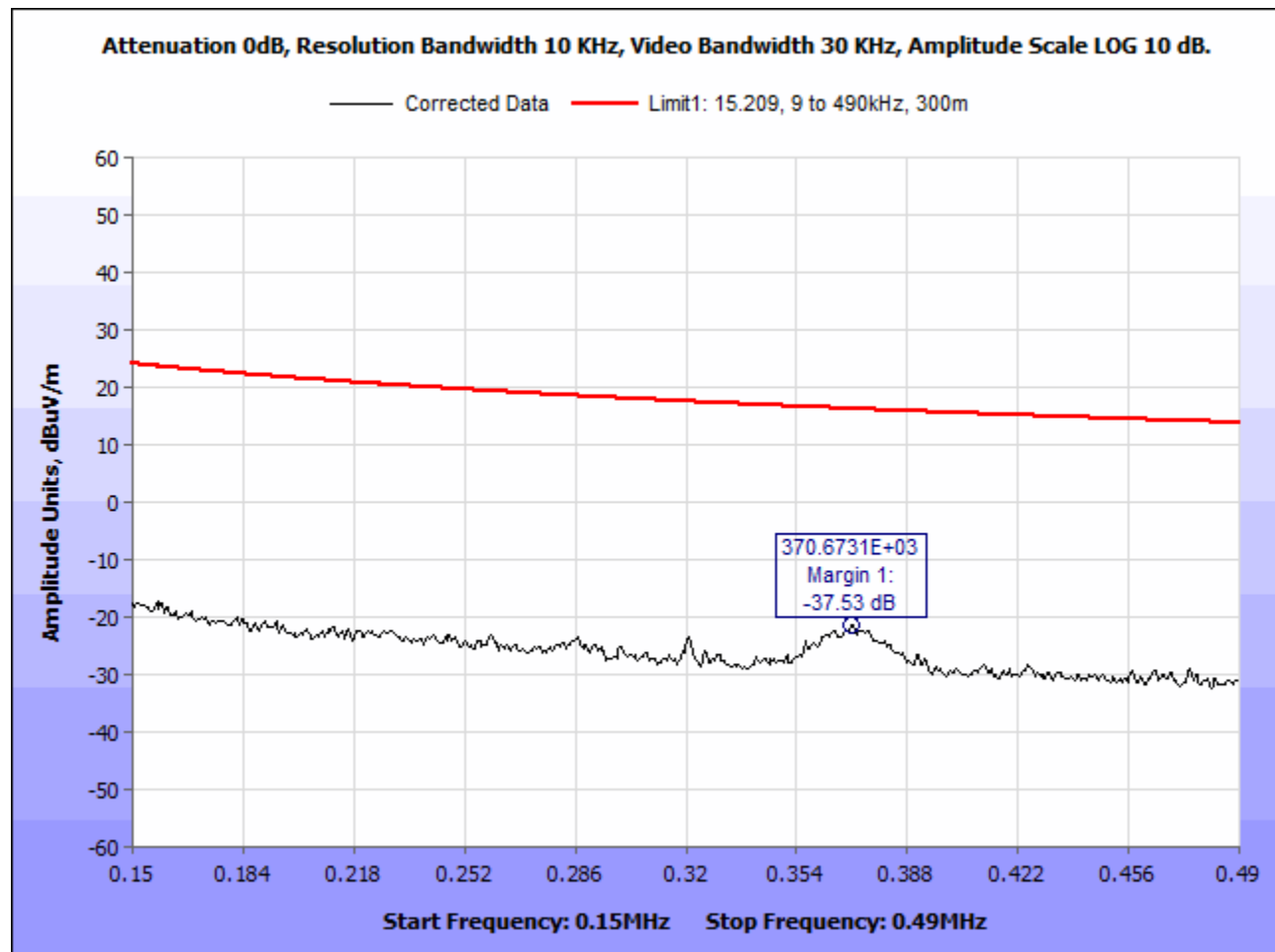


Figure 11: Radiated Spurious Emissions, OK 5127SI, 0.150-0.490 MHz - 0 Degrees

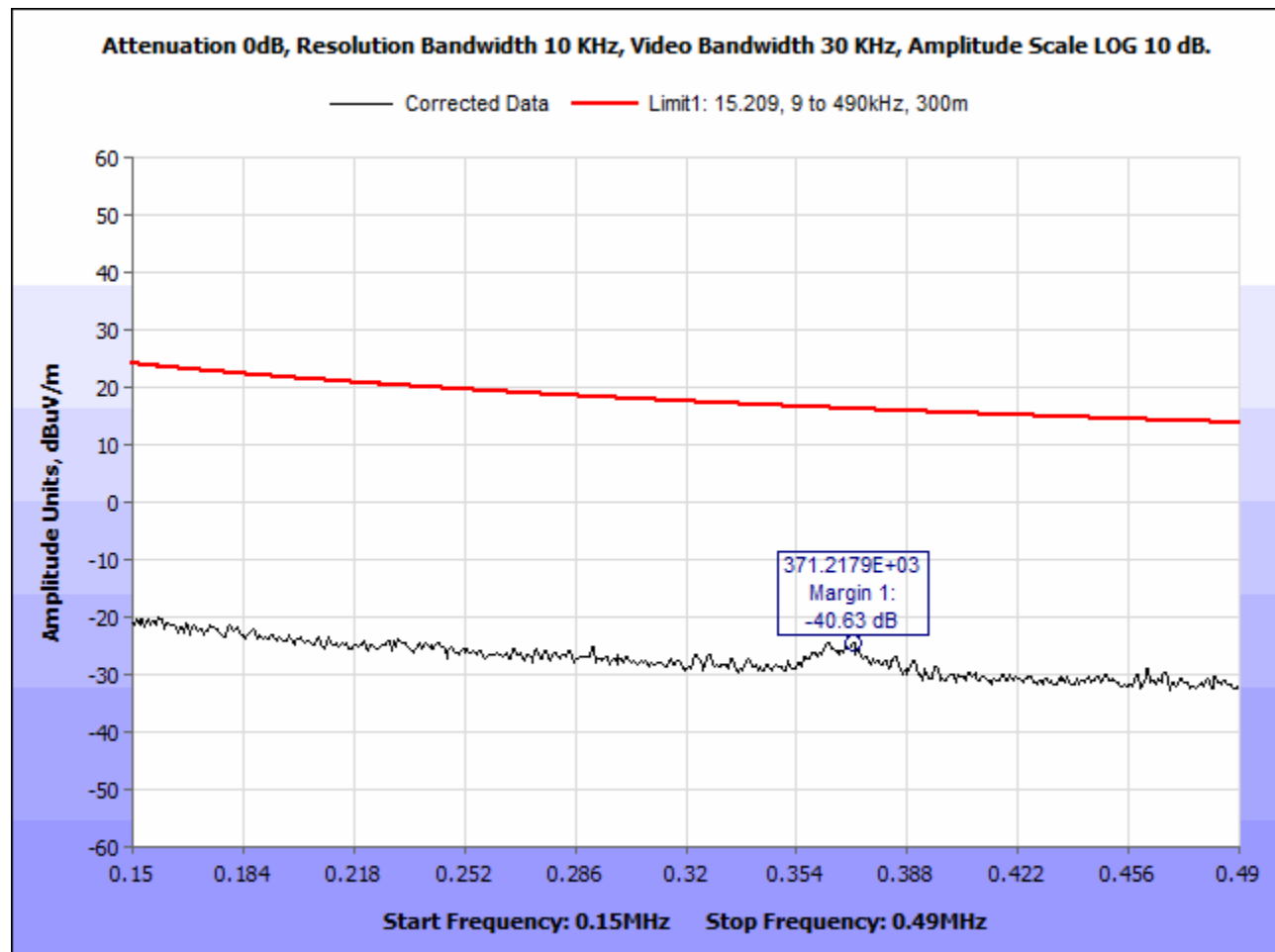


Figure 12: Radiated Spurious Emissions, OK 5127SI, 0.150-0.490 MHz - 90 Degrees

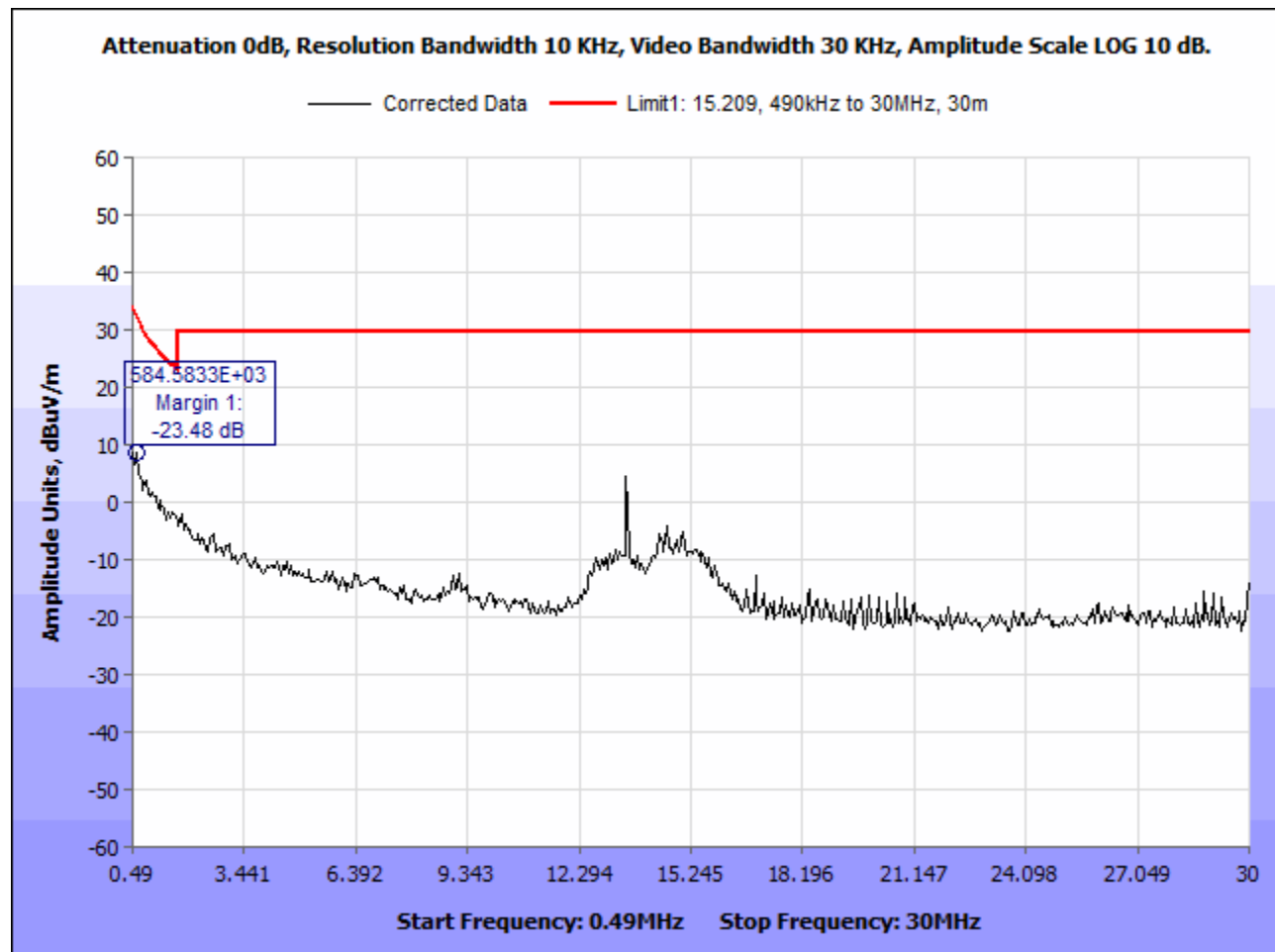


Figure 13: Radiated Spurious Emissions, OK 5127SI, 0.490-30 MHz - 0 Degrees

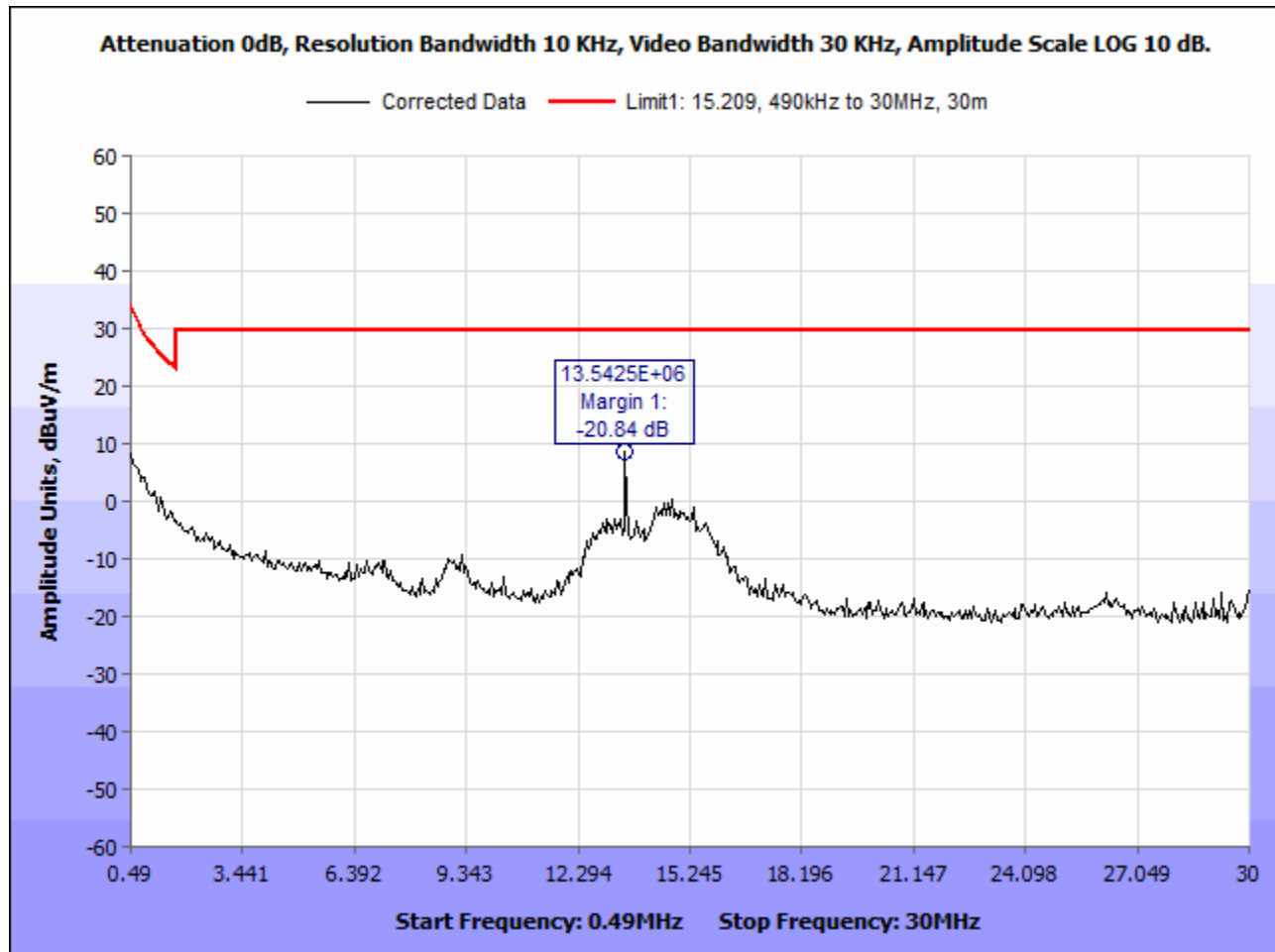


Figure 14: Radiated Spurious Emissions, OK 5127SI, 0.490-30 MHz - 90 Degrees

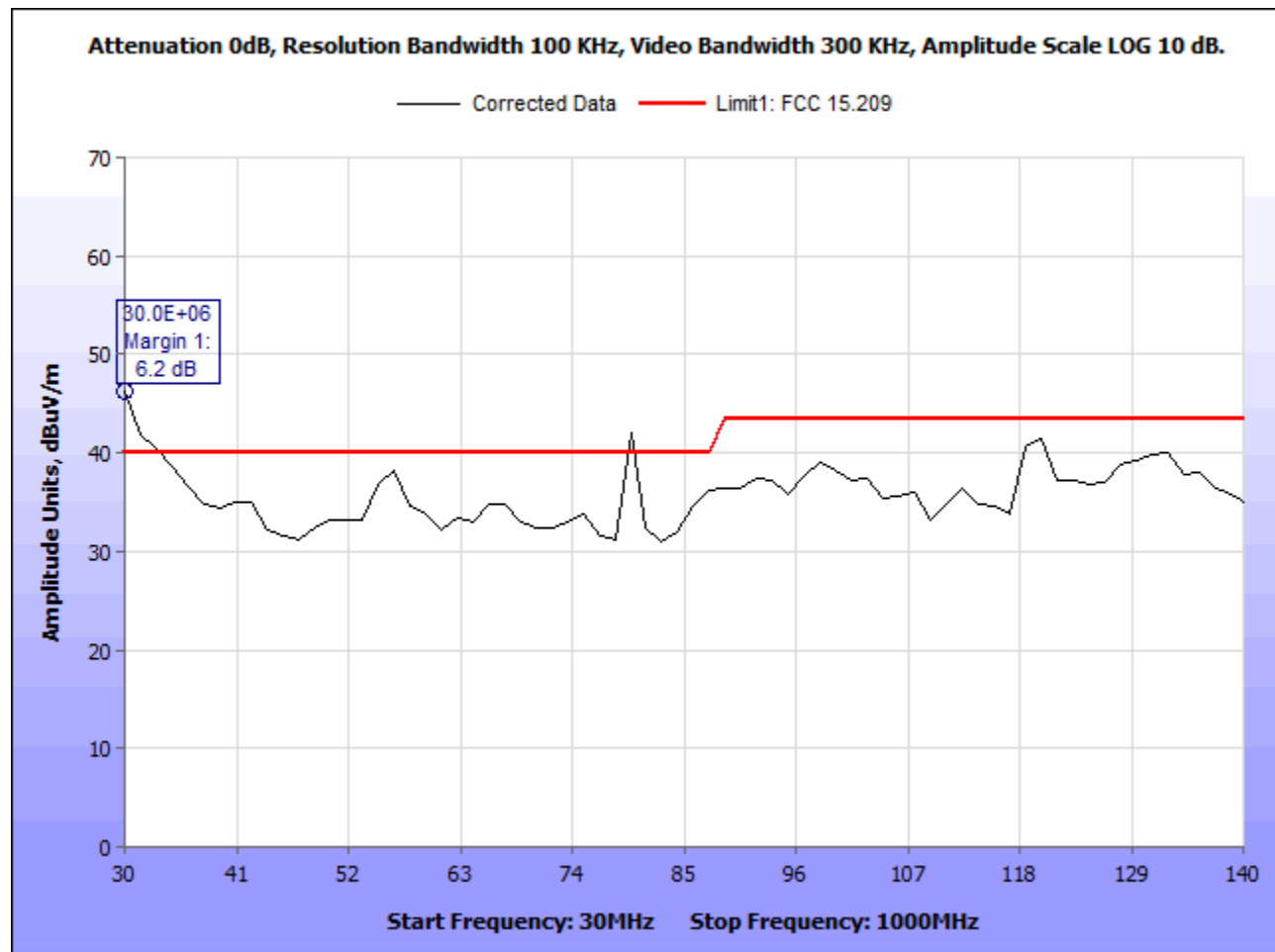


Figure 15: Radiated Spurious Emissions, OK 5127SI, 30-1000 MHz - Horizontal

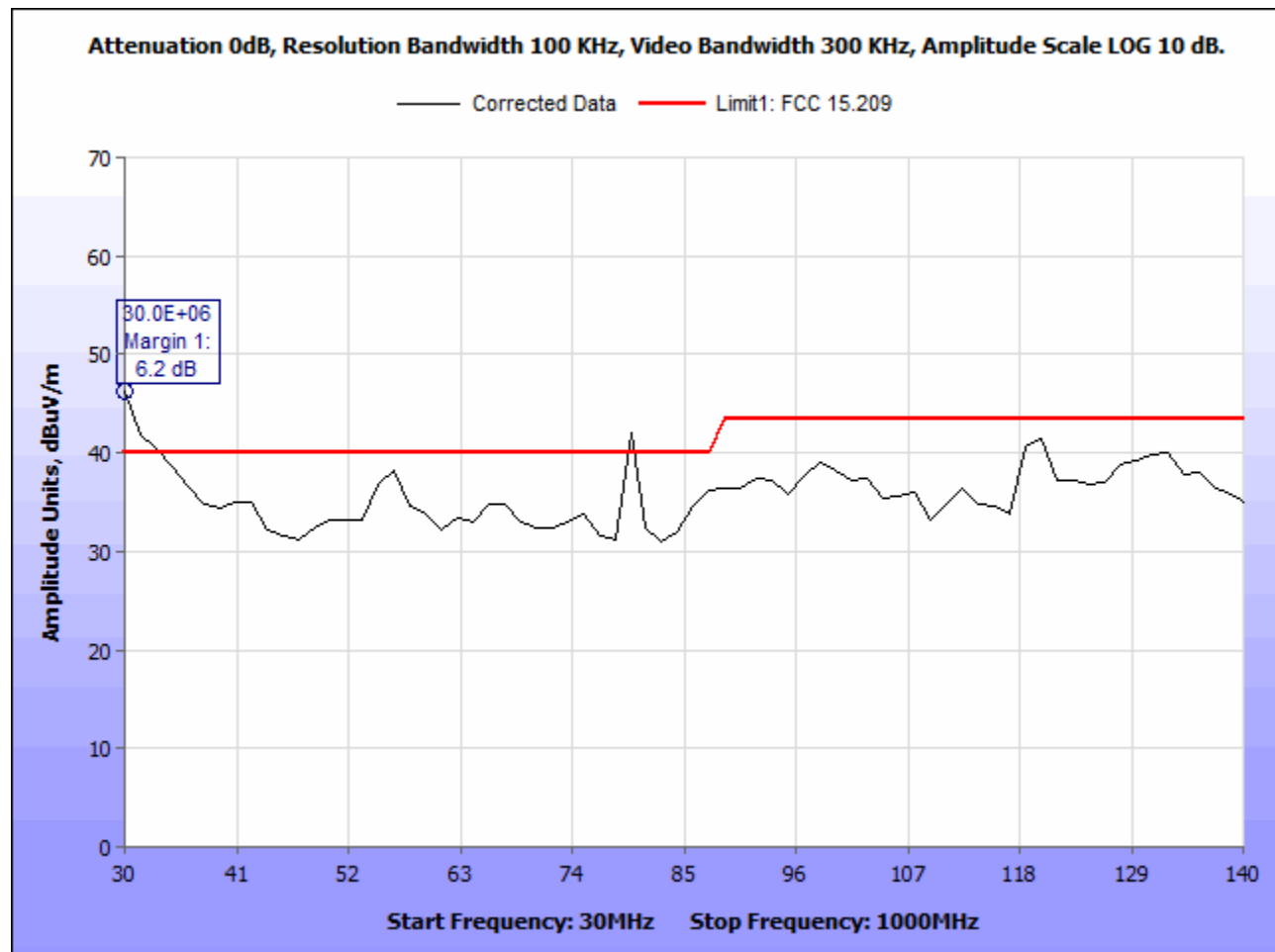


Figure 16: Radiated Spurious Emissions, OK 5127SI, 30-1000 MHz - Vertical

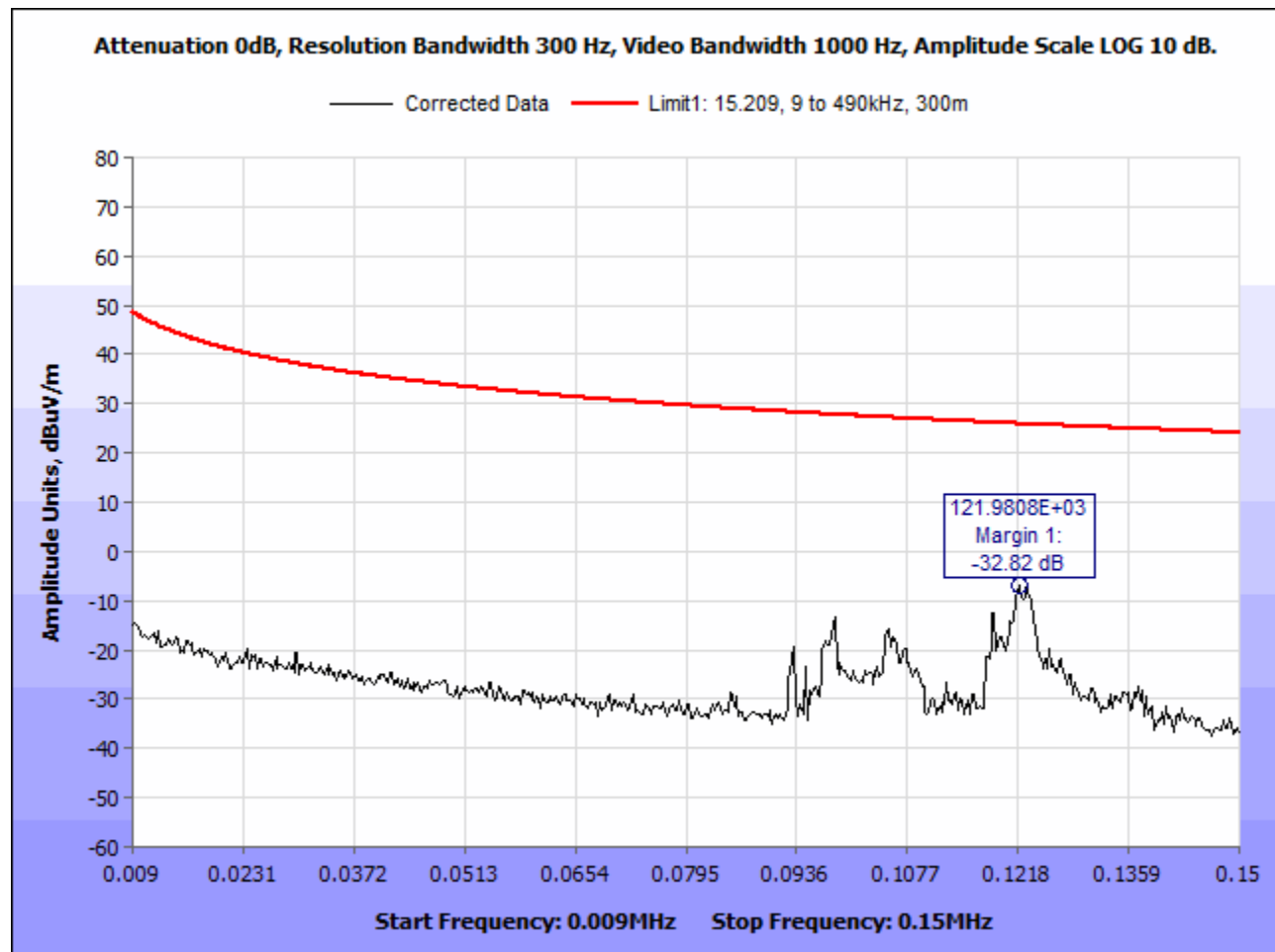


Figure 17: Radiated Spurious Emissions, SmartWare, 0.009-0.150 MHz - 0 Deg

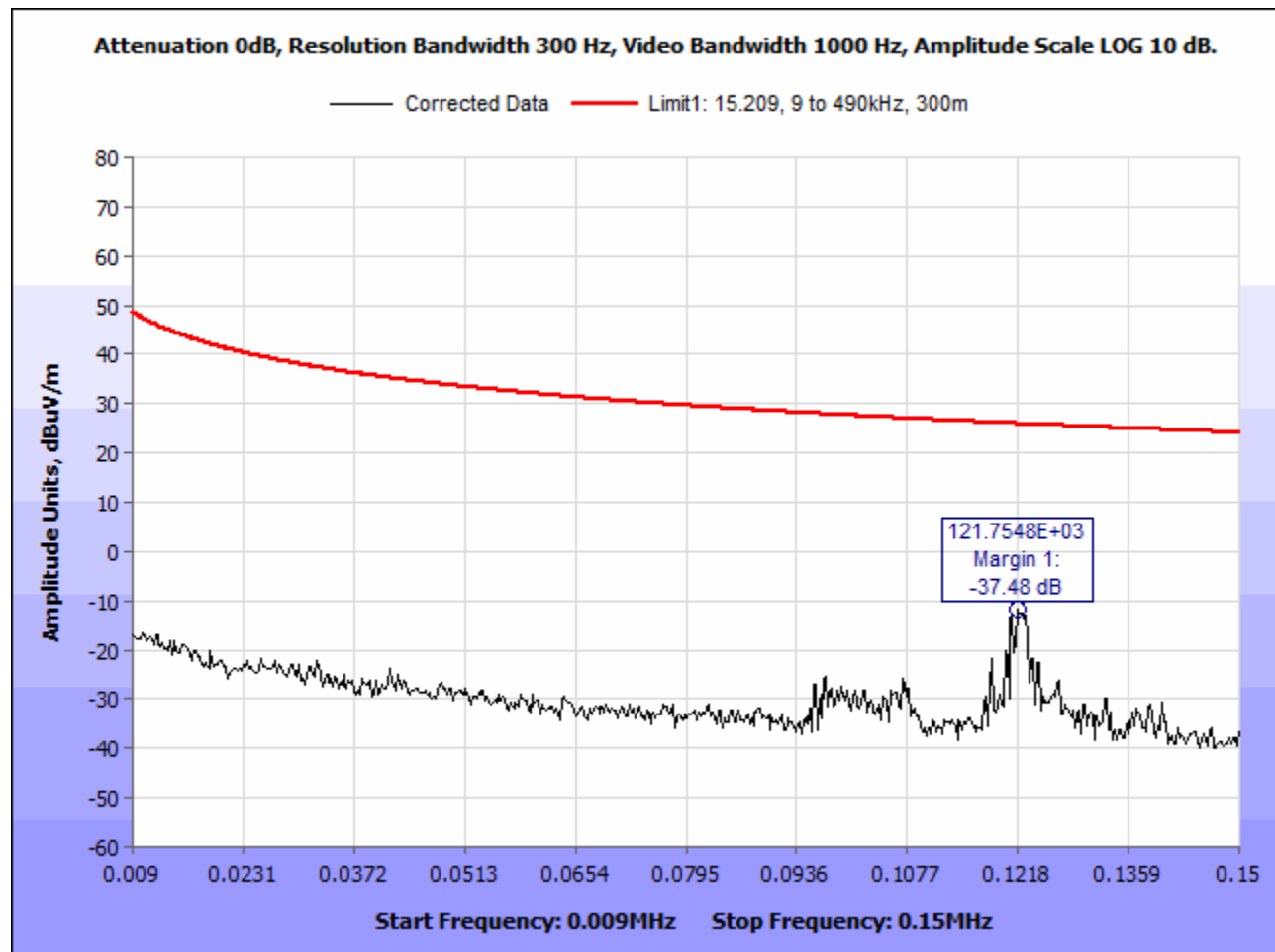


Figure 18: Radiated Spurious Emissions, SmartWare, 0.009-0.150 MHz - 90 Deg

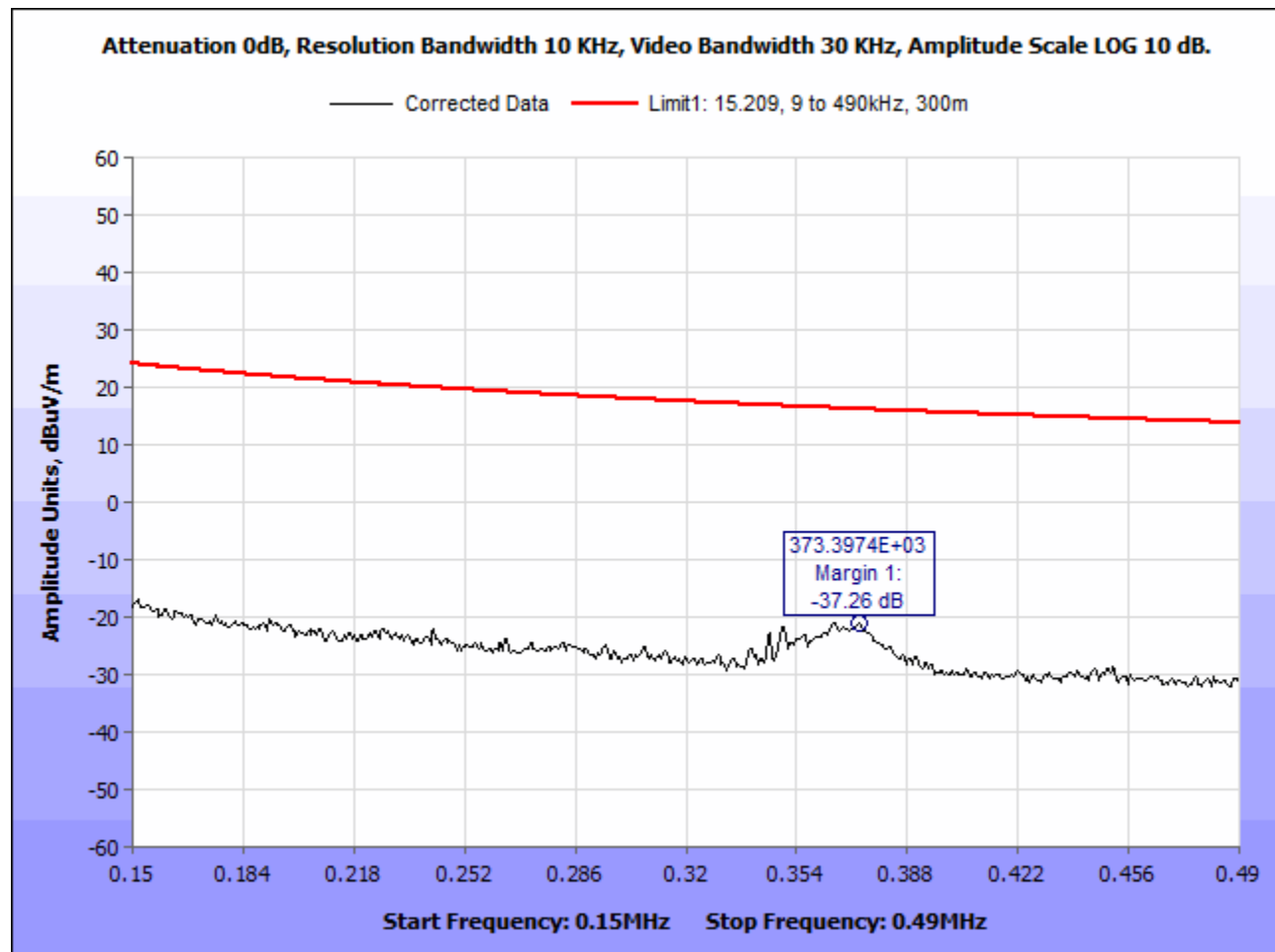


Figure 19: Radiated Spurious Emissions, SmartWare, 0.150-0.490 MHz - 0 Degrees

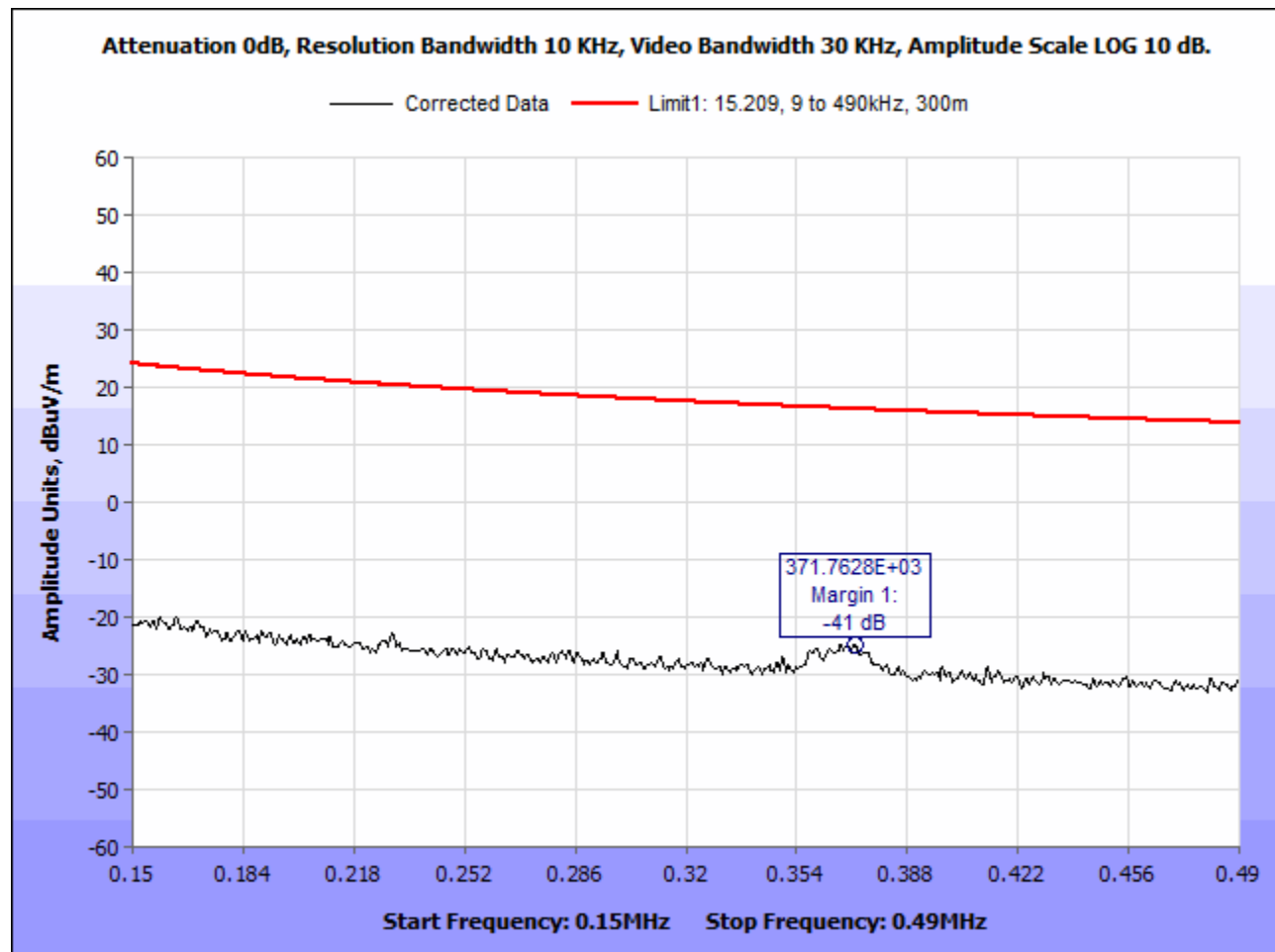


Figure 20: Radiated Spurious Emissions, SmartWare, 0.150-0.490 MHz - 90 Degrees

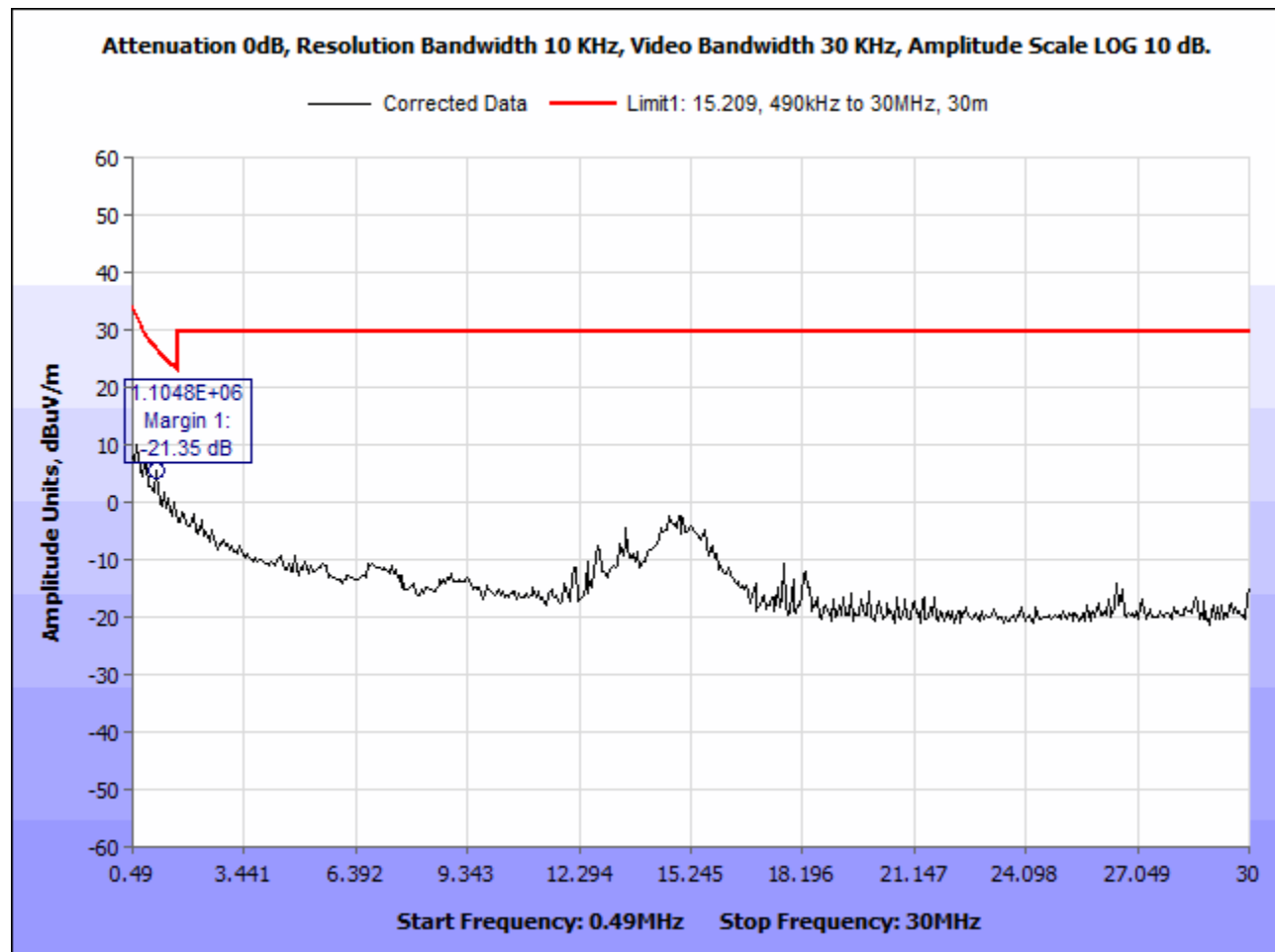


Figure 21: Radiated Spurious Emissions, SmartWare, 0.490-30 MHz - 0 Degrees

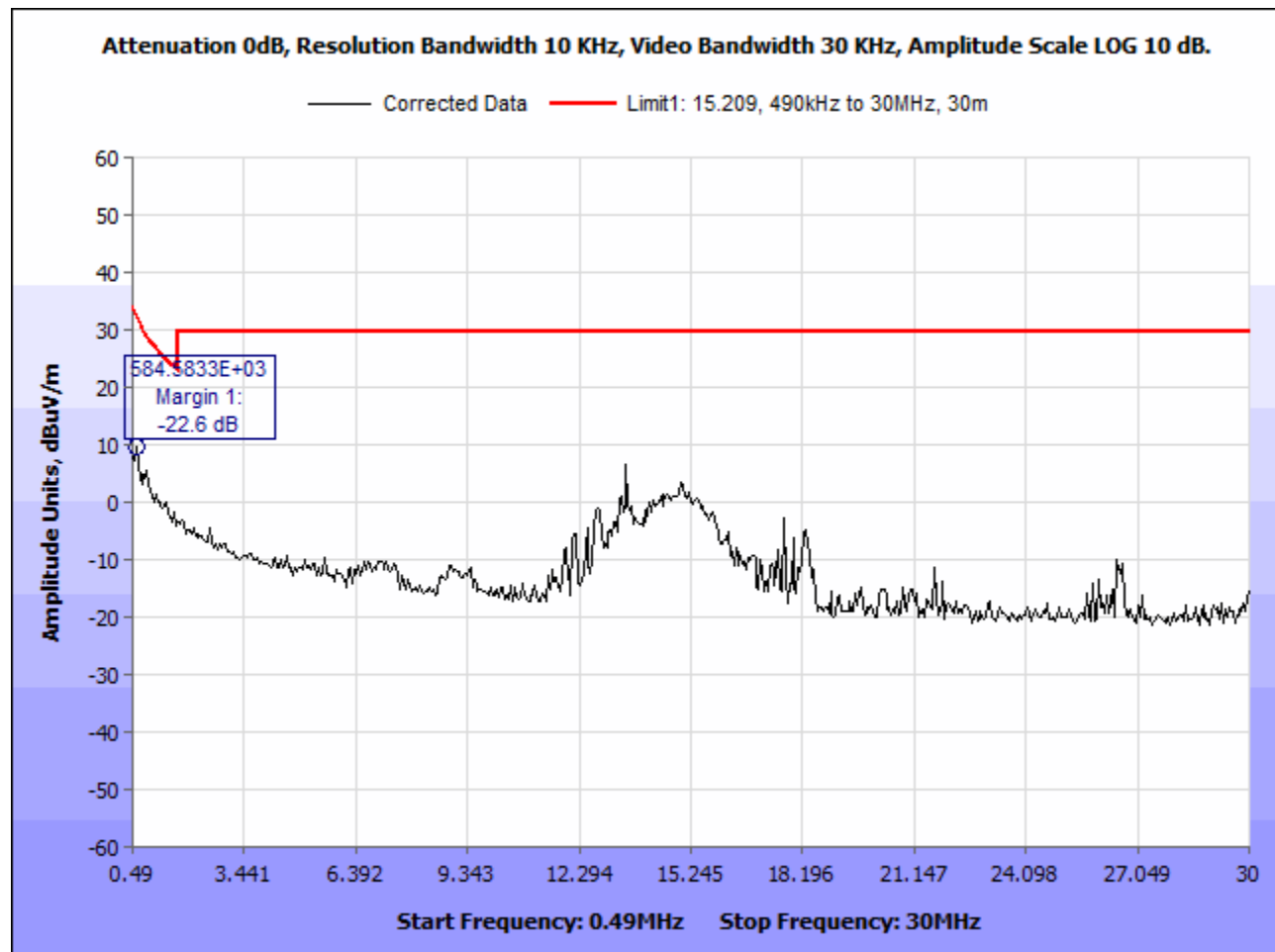


Figure 22: Radiated Spurious Emissions, SmartWare, 0.490-30 MHz - 90 Degrees

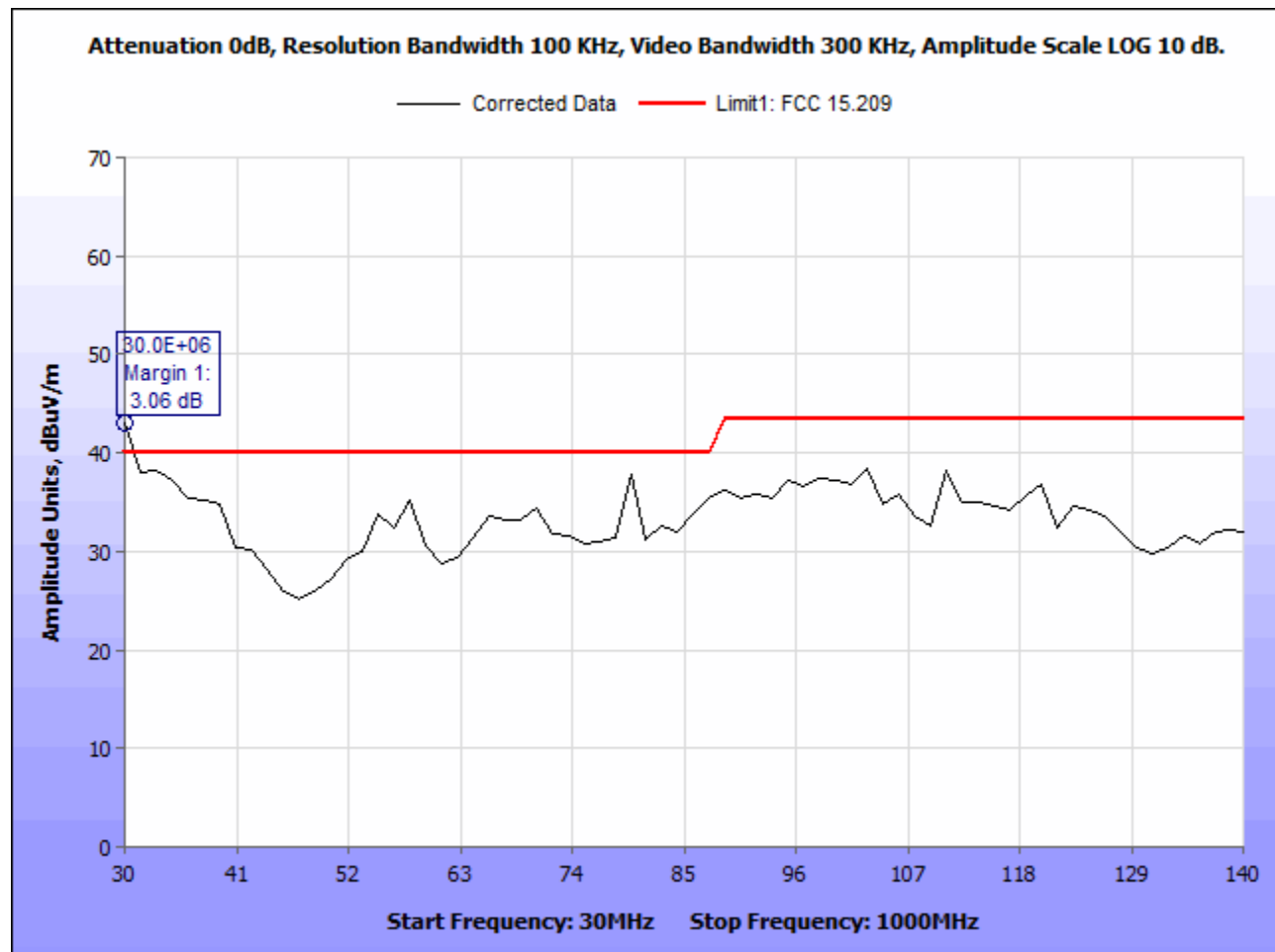


Figure 23: Radiated Spurious Emissions, SmartWare, 30-1000 MHz - Horizontal

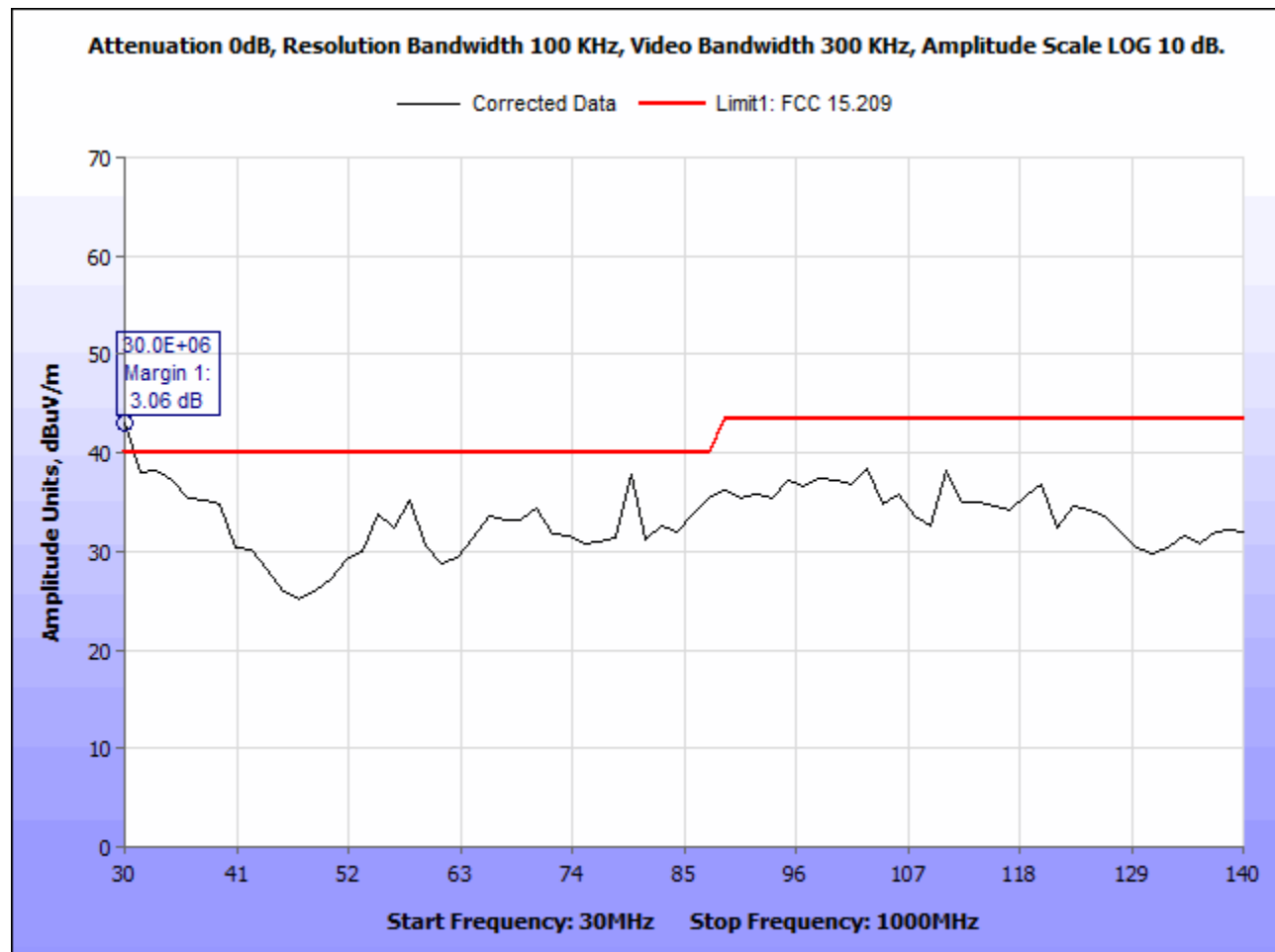


Figure 24: Radiated Spurious Emissions, SmartWare, 30-1000 MHz - Vertical

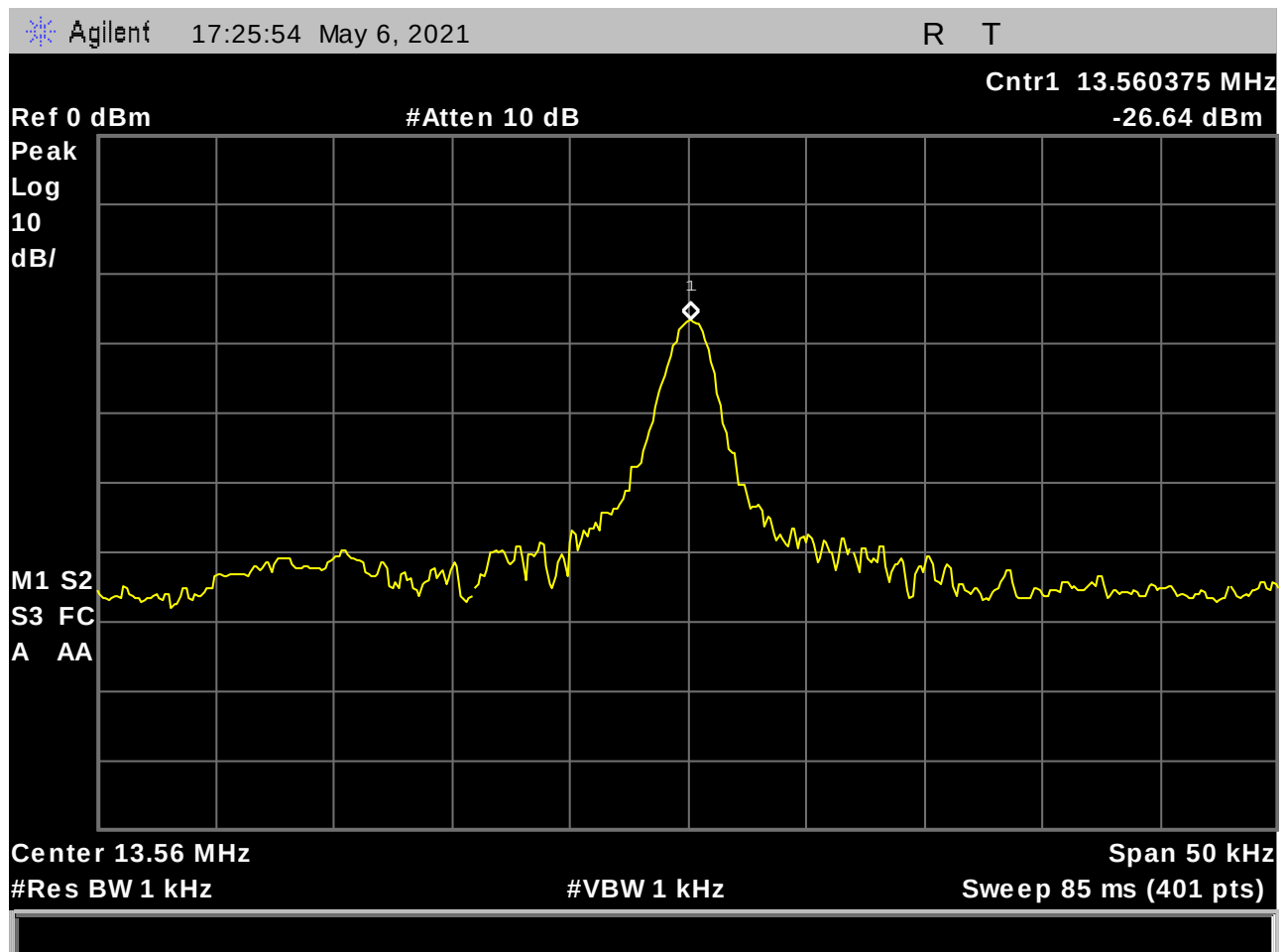


Figure 25: Frequency Stability, OK 5127SI, Vnom, 50°C

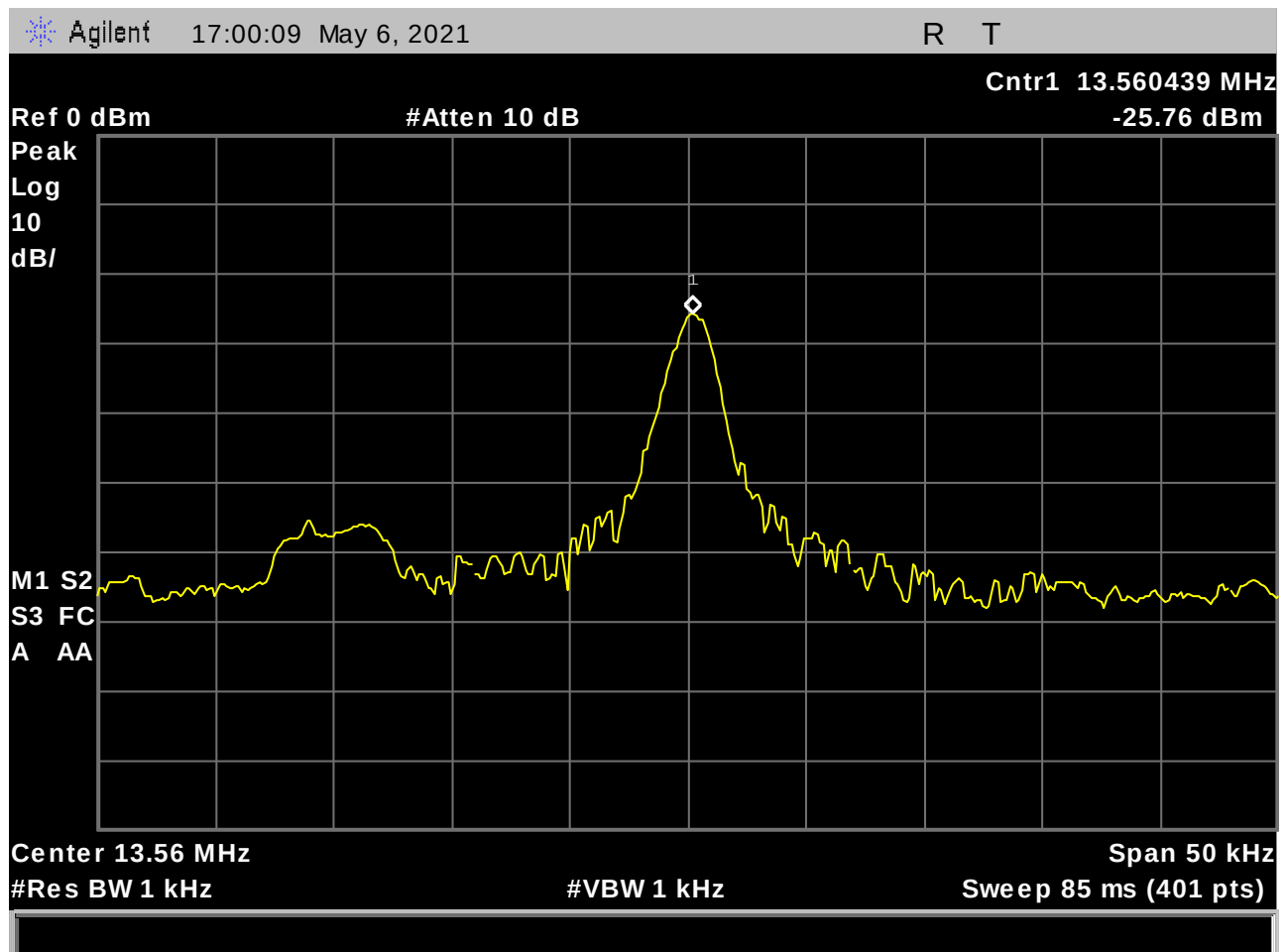


Figure 26: Frequency Stability, OK 5127SI, Vnom, 40°C

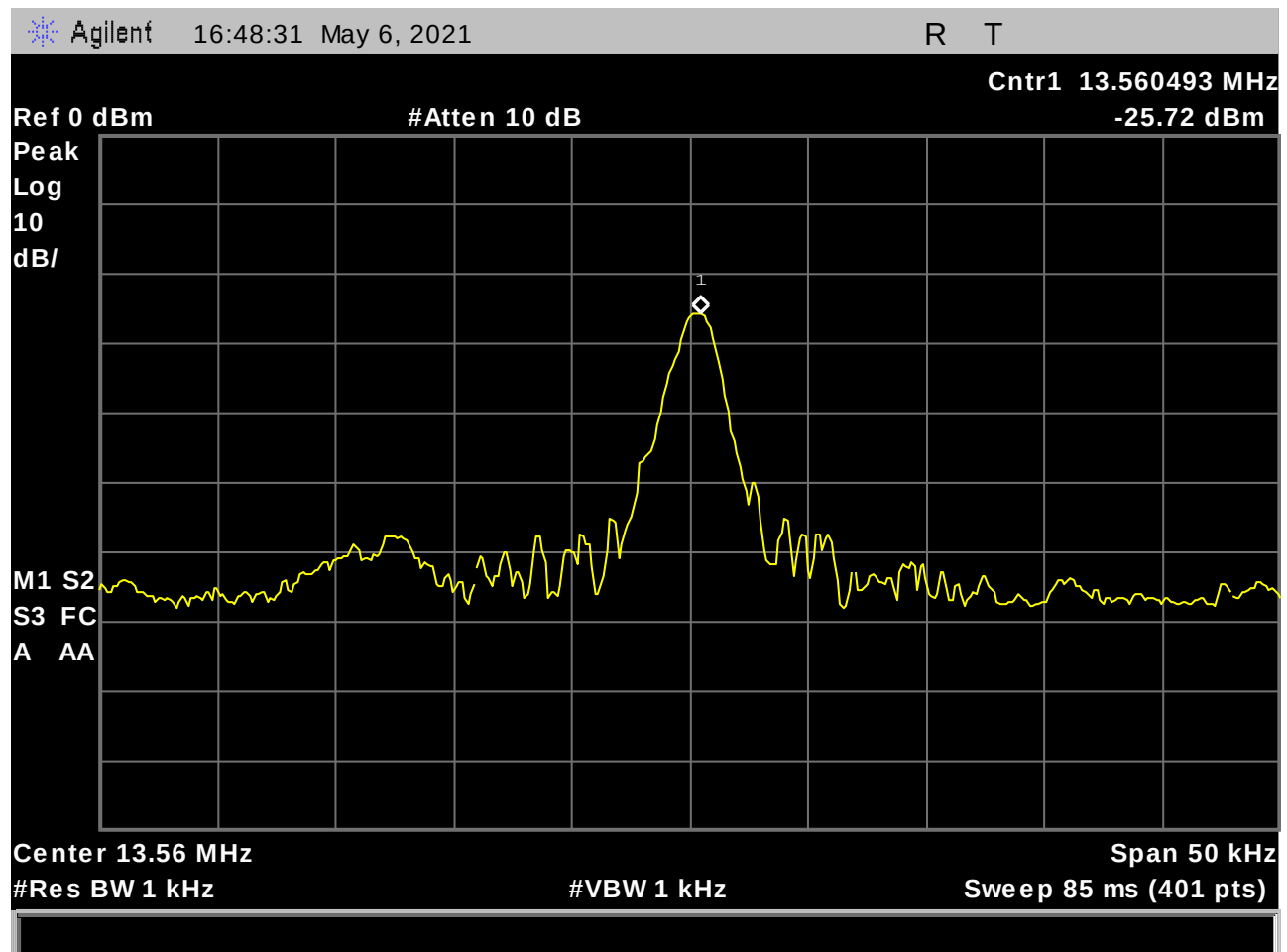


Figure 27: Frequency Stability, OK 5127SI, Vnom, 30°C

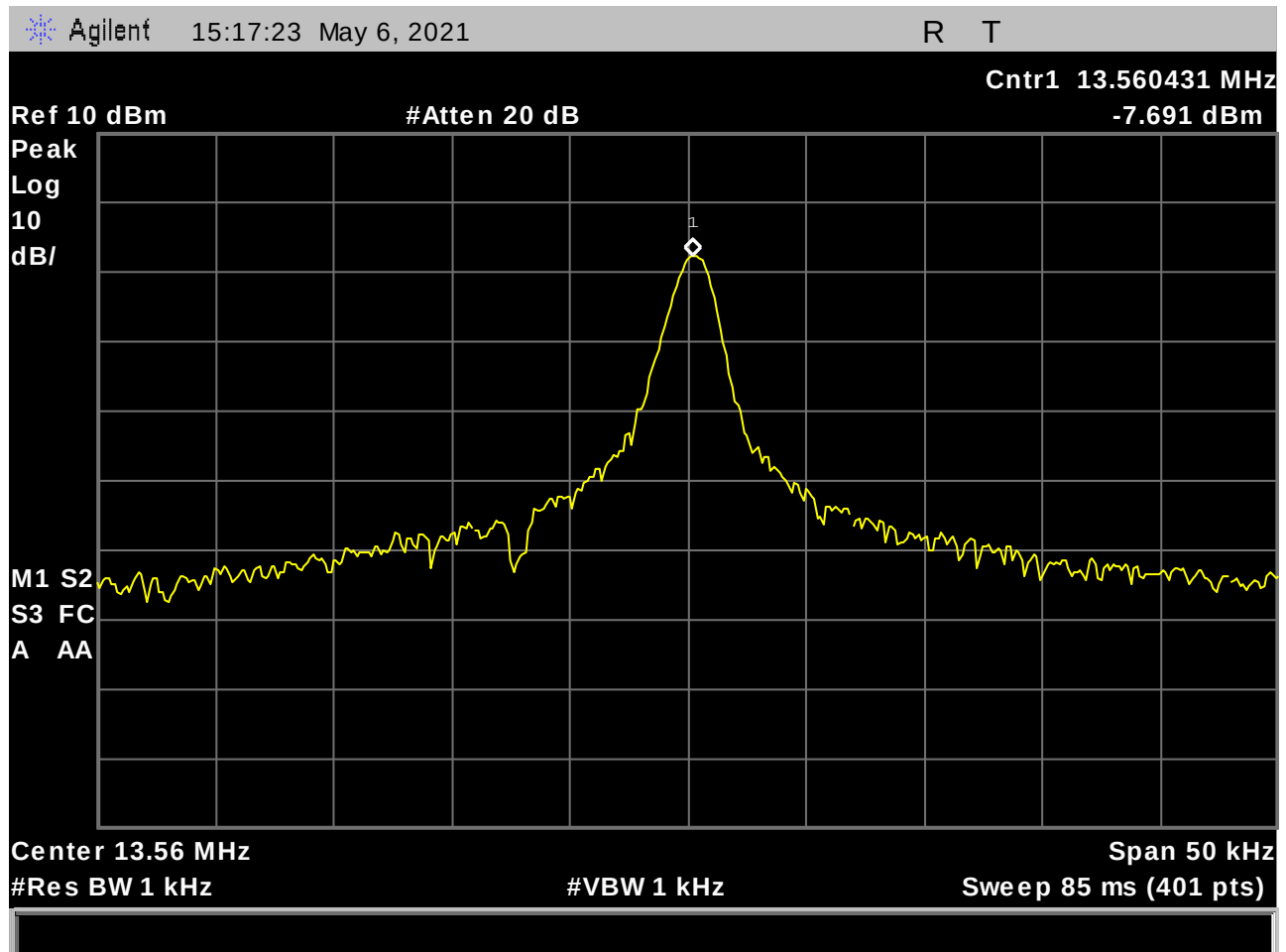


Figure 28: Frequency Stability, OK 5127SI, Vnom, 20°C

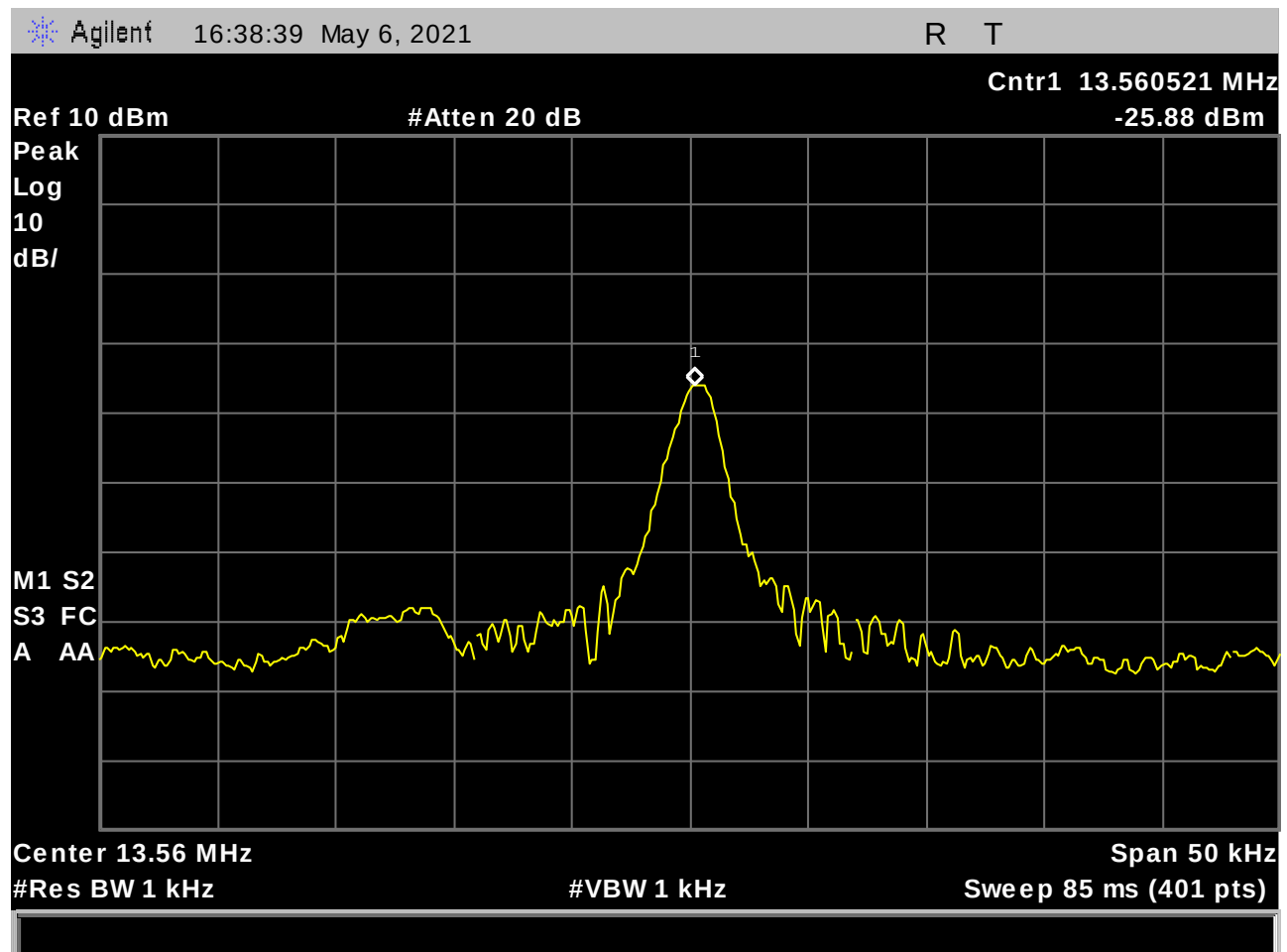


Figure 29: Frequency Stability, OK 5127SI, Vnom, 10°C

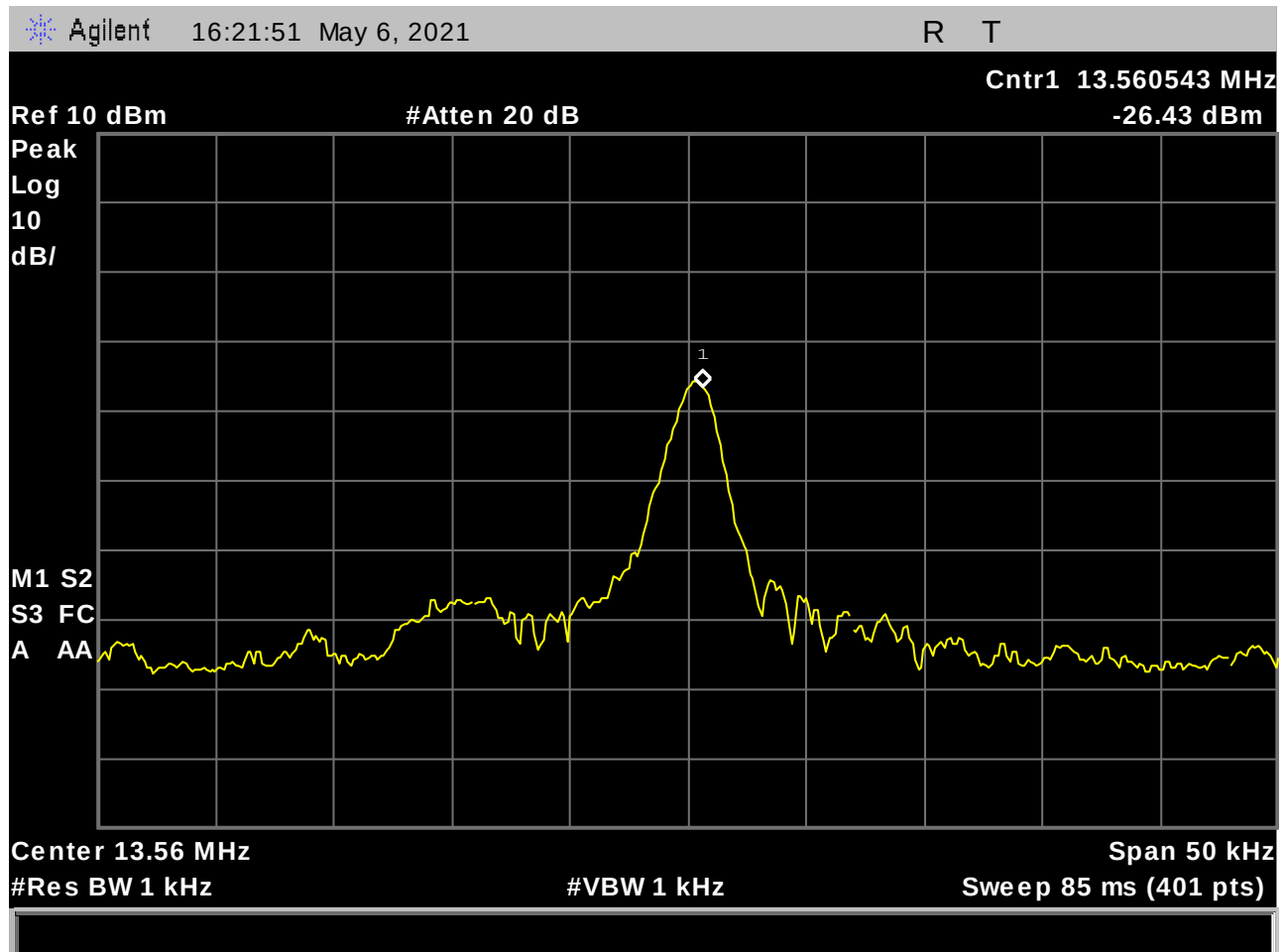


Figure 30: Frequency Stability, OK 5127SI, Vnom, 0°C

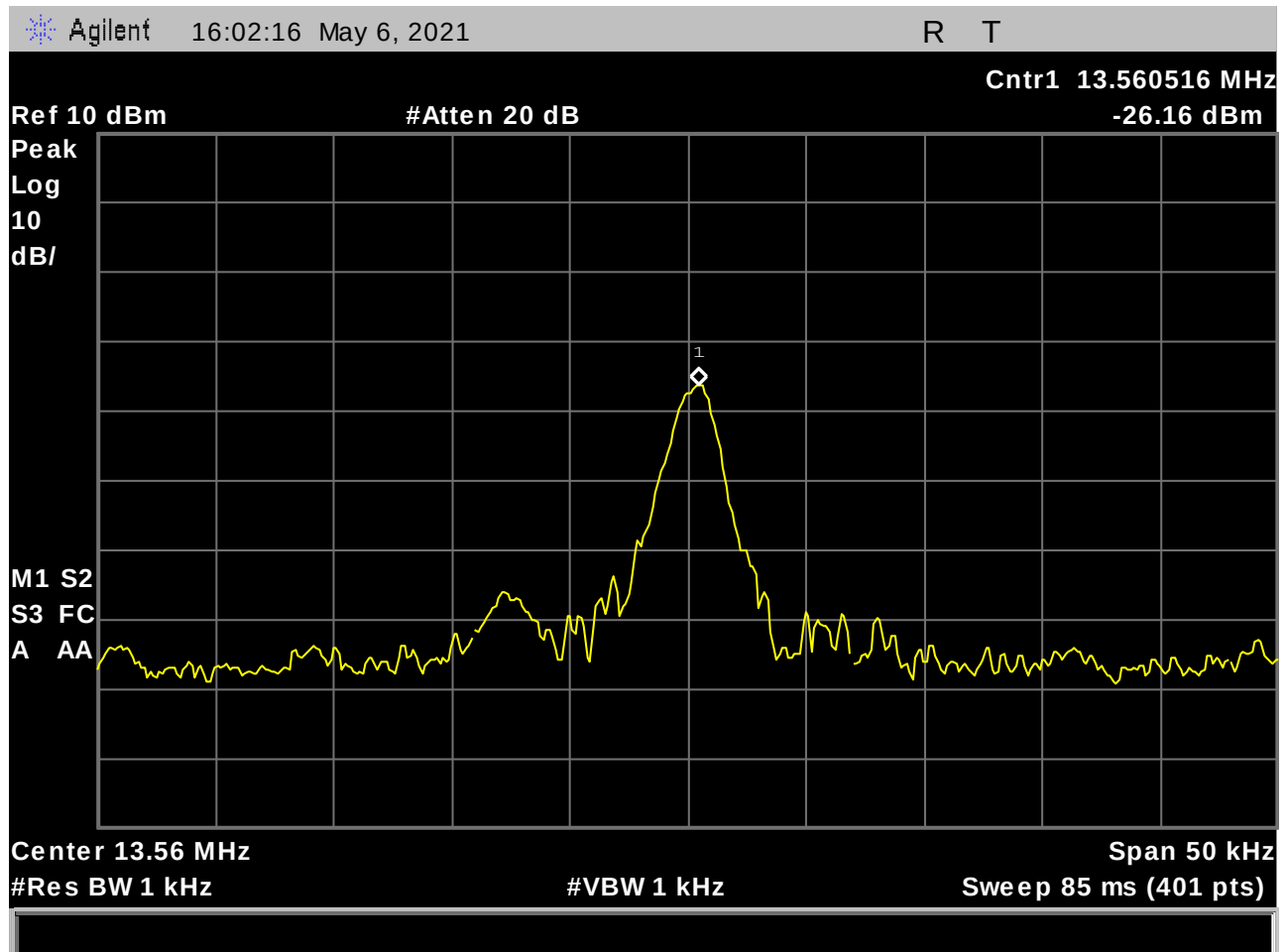


Figure 31: Frequency Stability, OK 5127SI, Vnom, -10°C

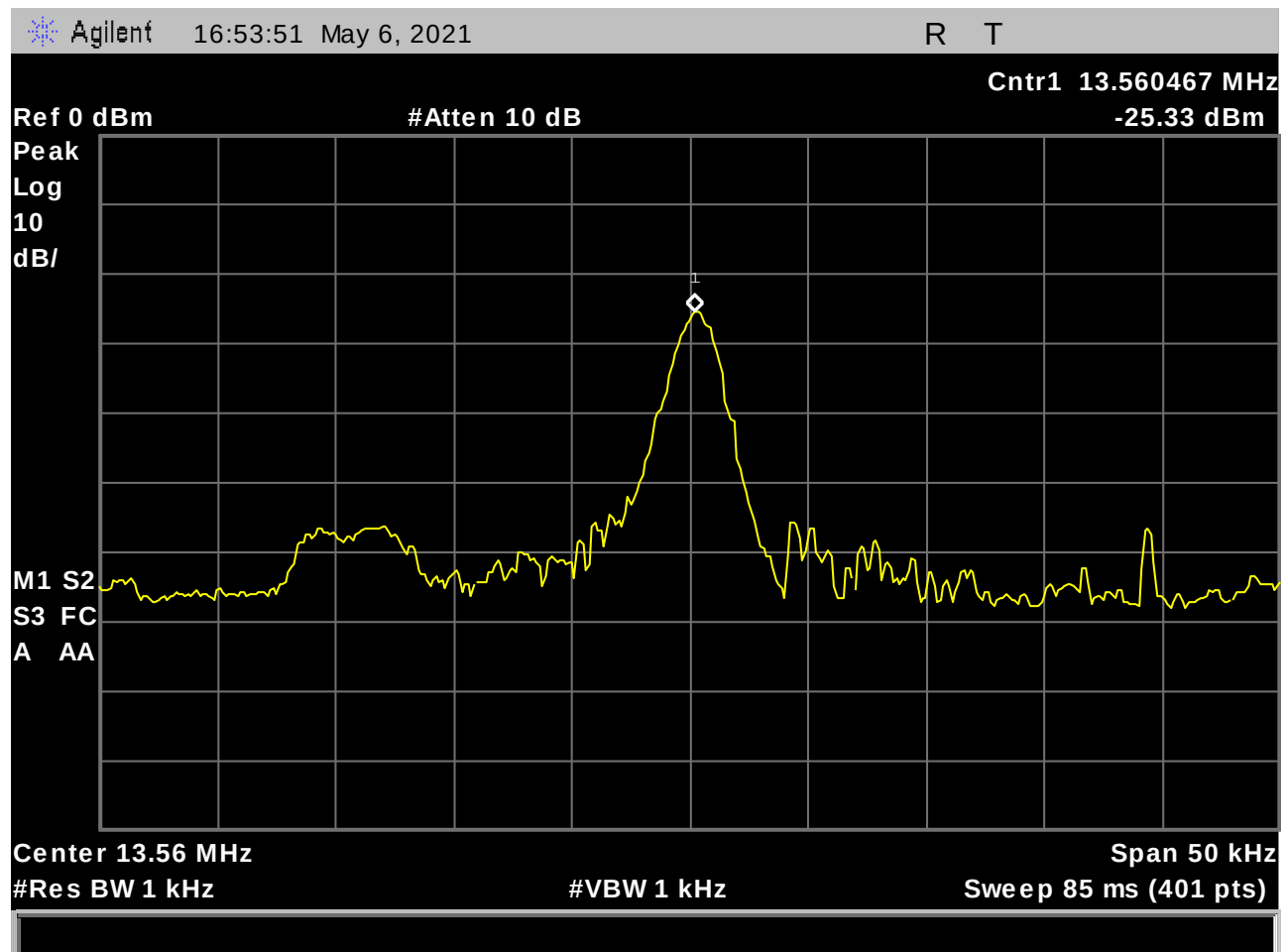


Figure 32: Frequency Stability, OK 5127SI, Vnom, -20°C

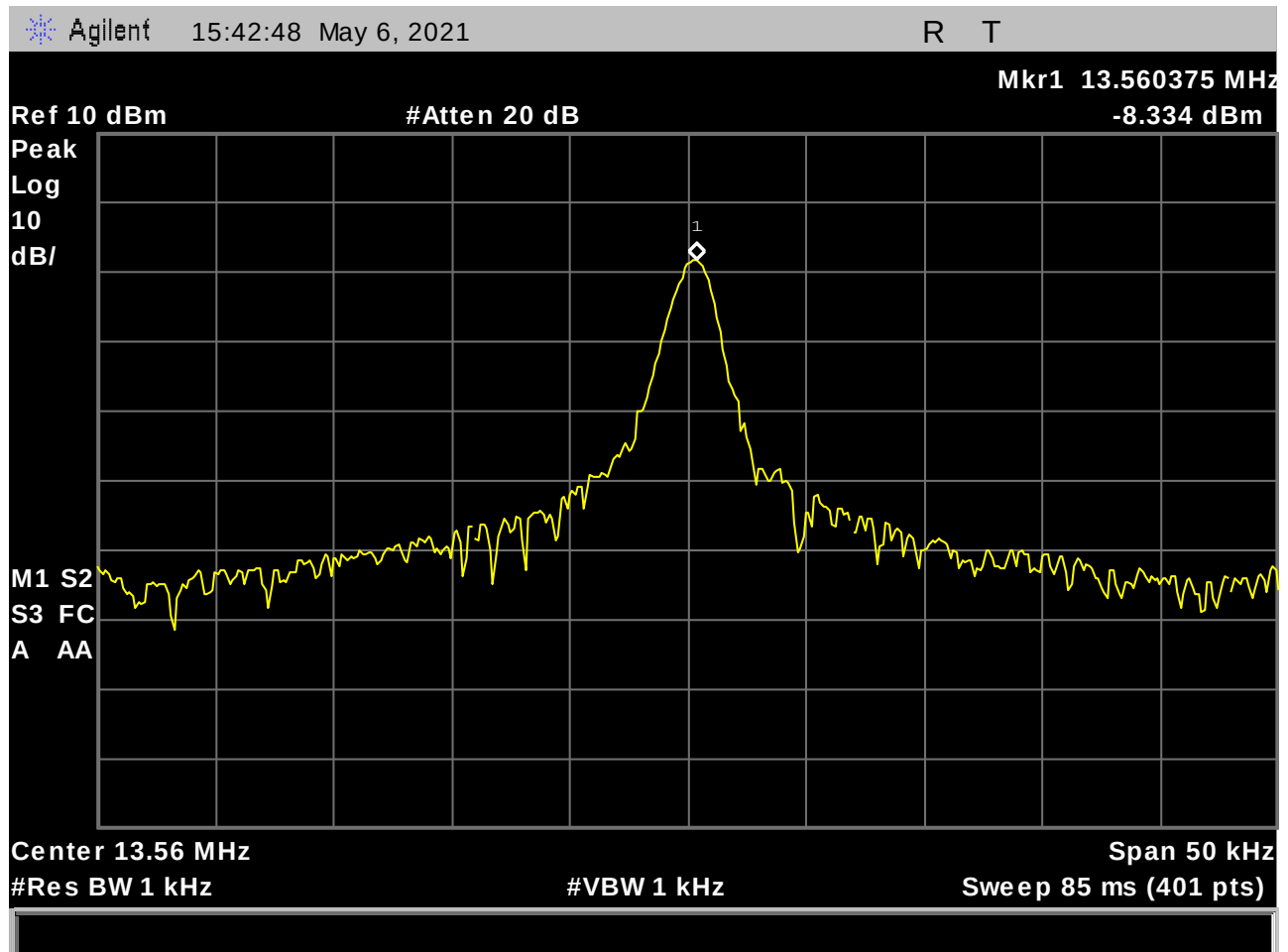


Figure 33: Frequency Stability, OK 5127SI, Vnom+15% 20°C

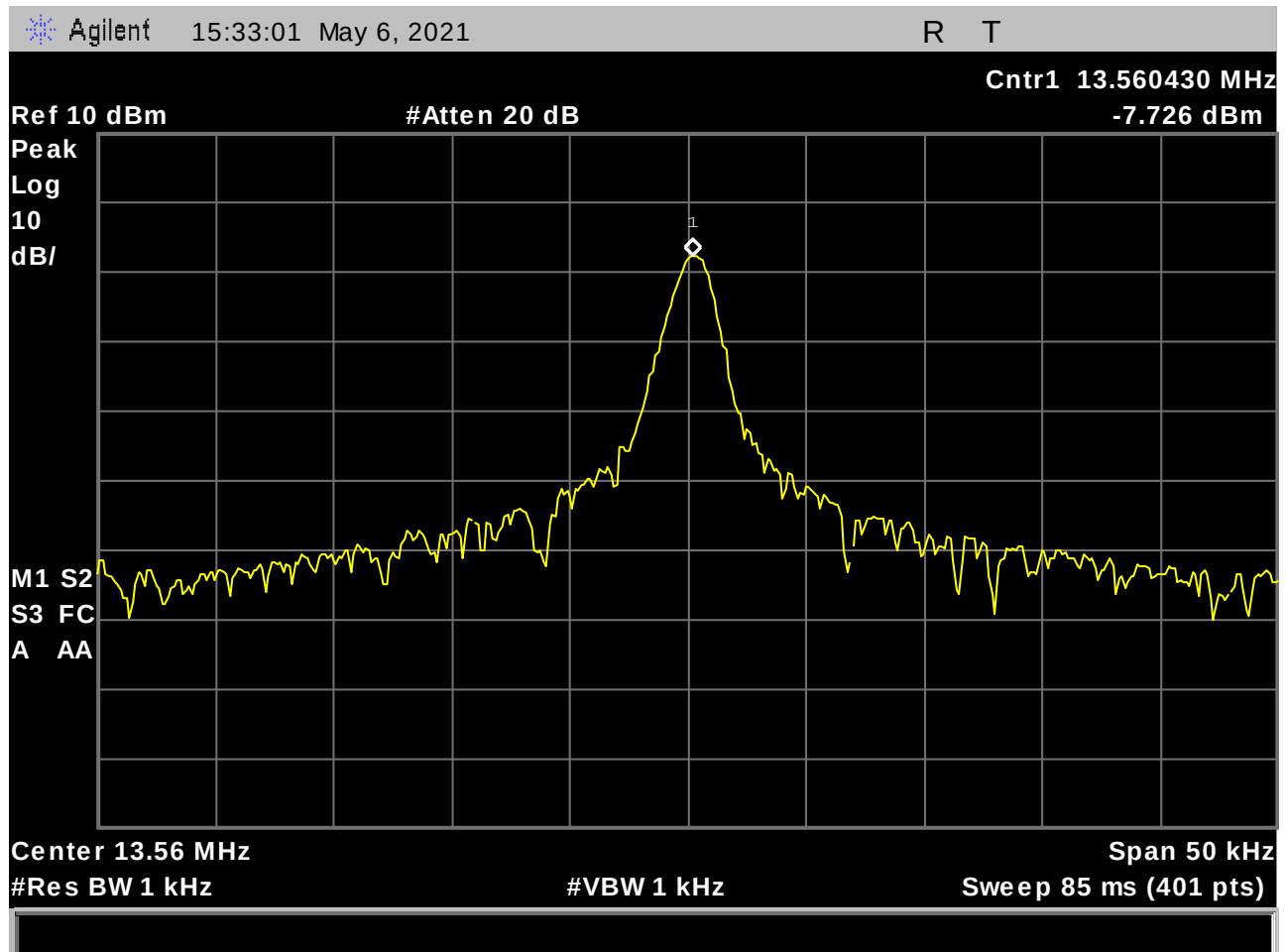


Figure 34: Frequency Stability, OK 5127SI, Vnom-15%, 20°C

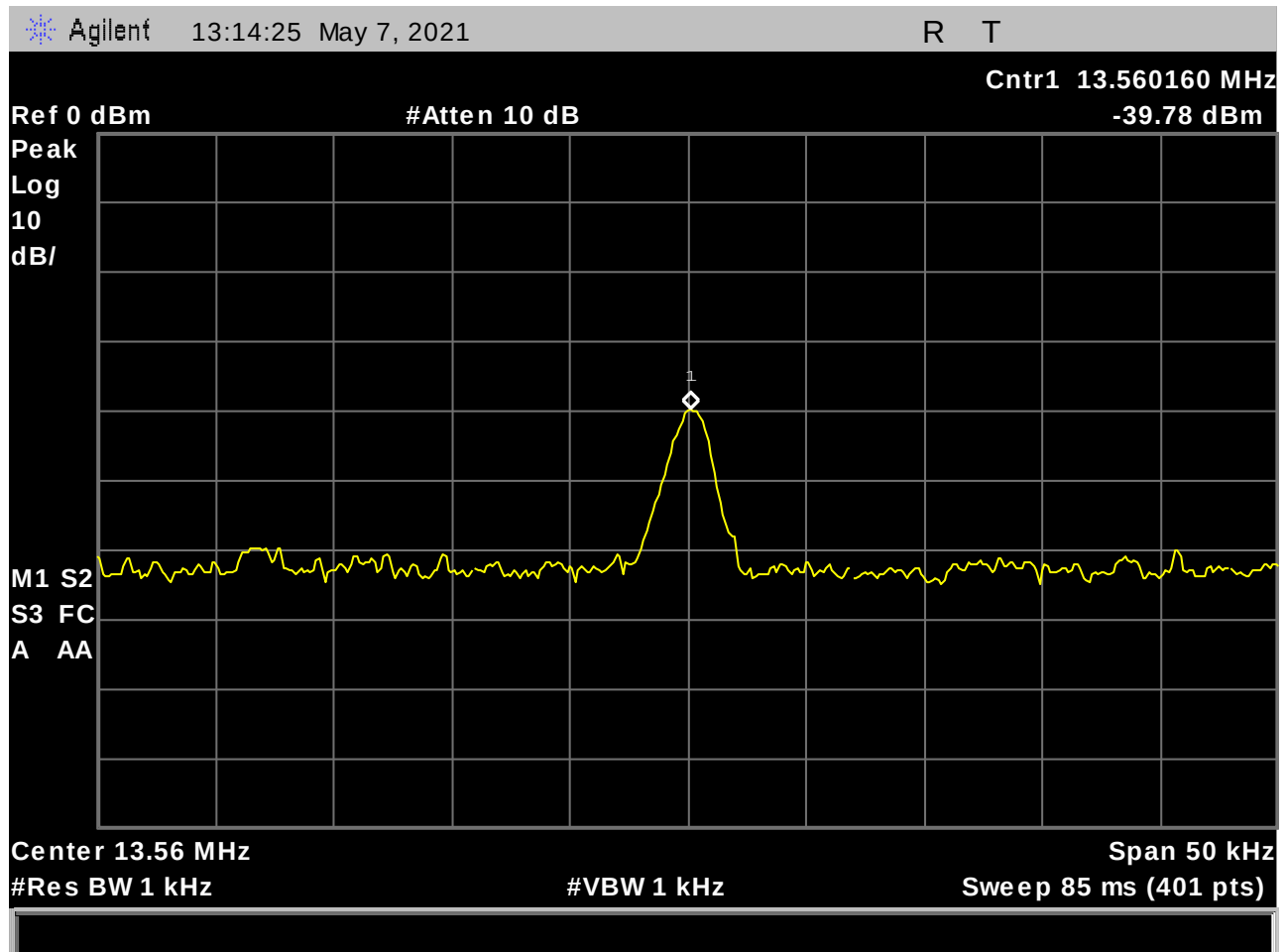


Figure 35: Frequency Stability, SmartWare, Vnom+15%, 20°C

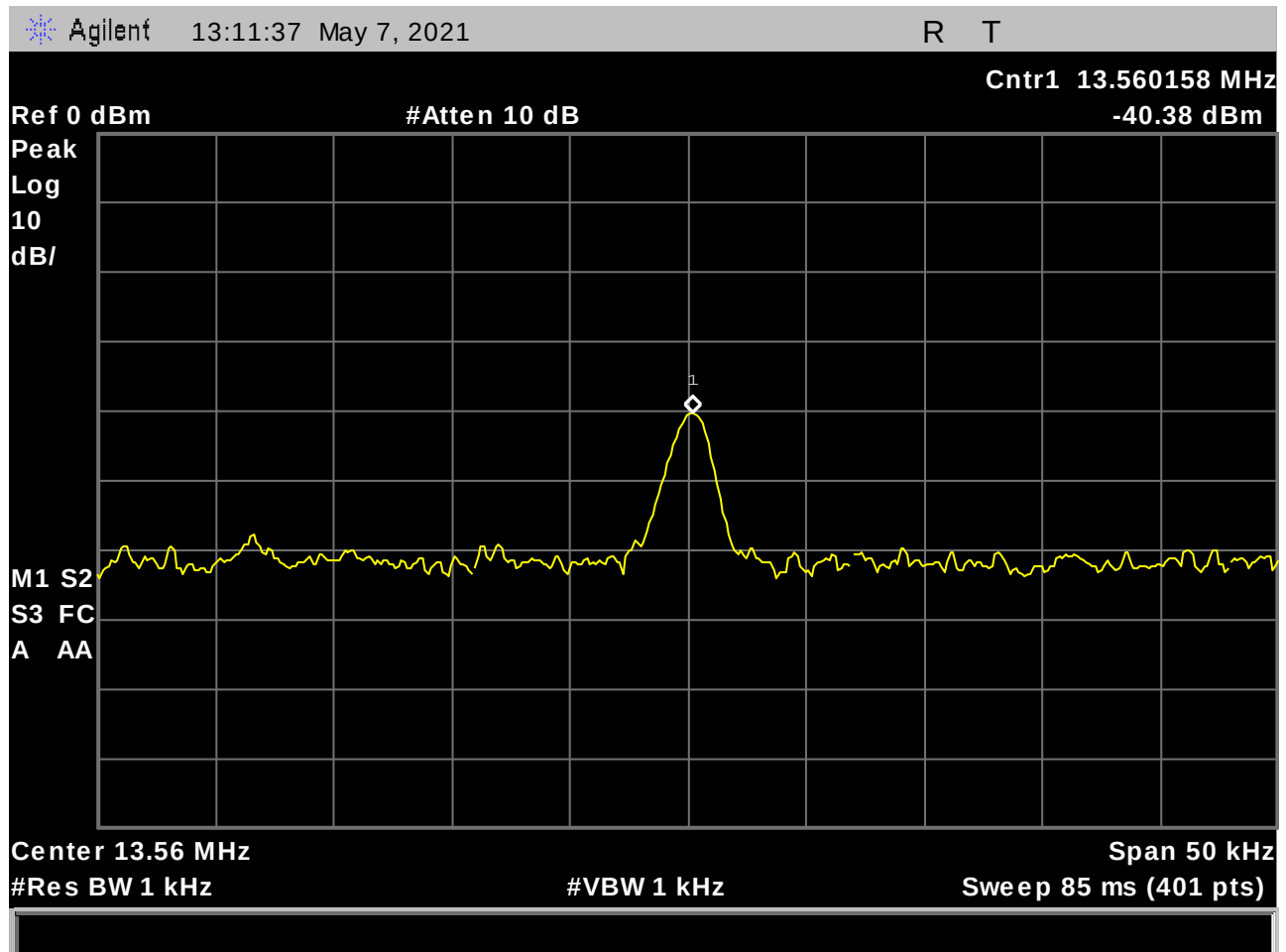


Figure 36: Frequency Stability, SmartWare, Vnom-15%, 20°C

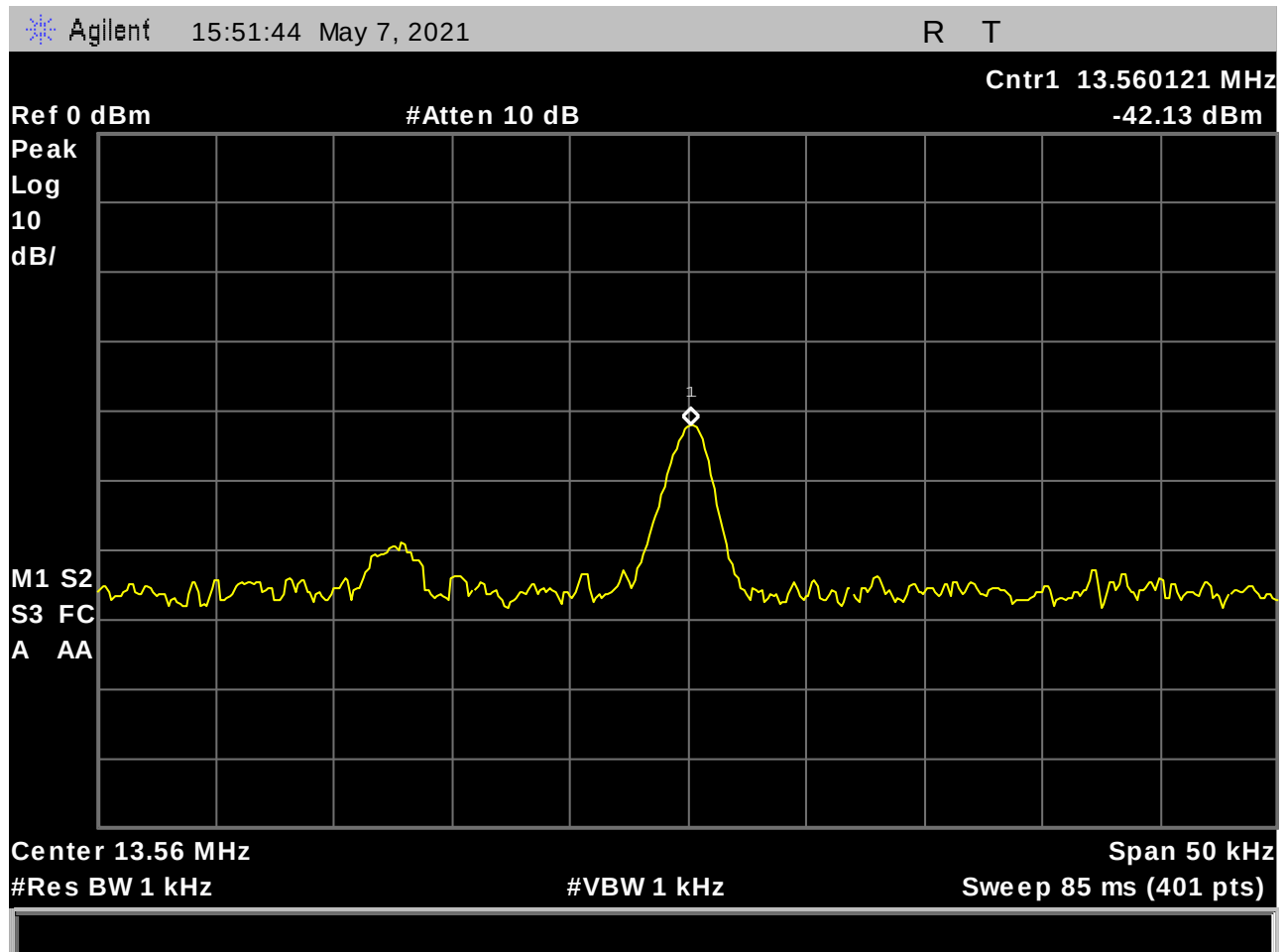


Figure 37: Frequency Stability, SmartWare, Vnom, -10°C

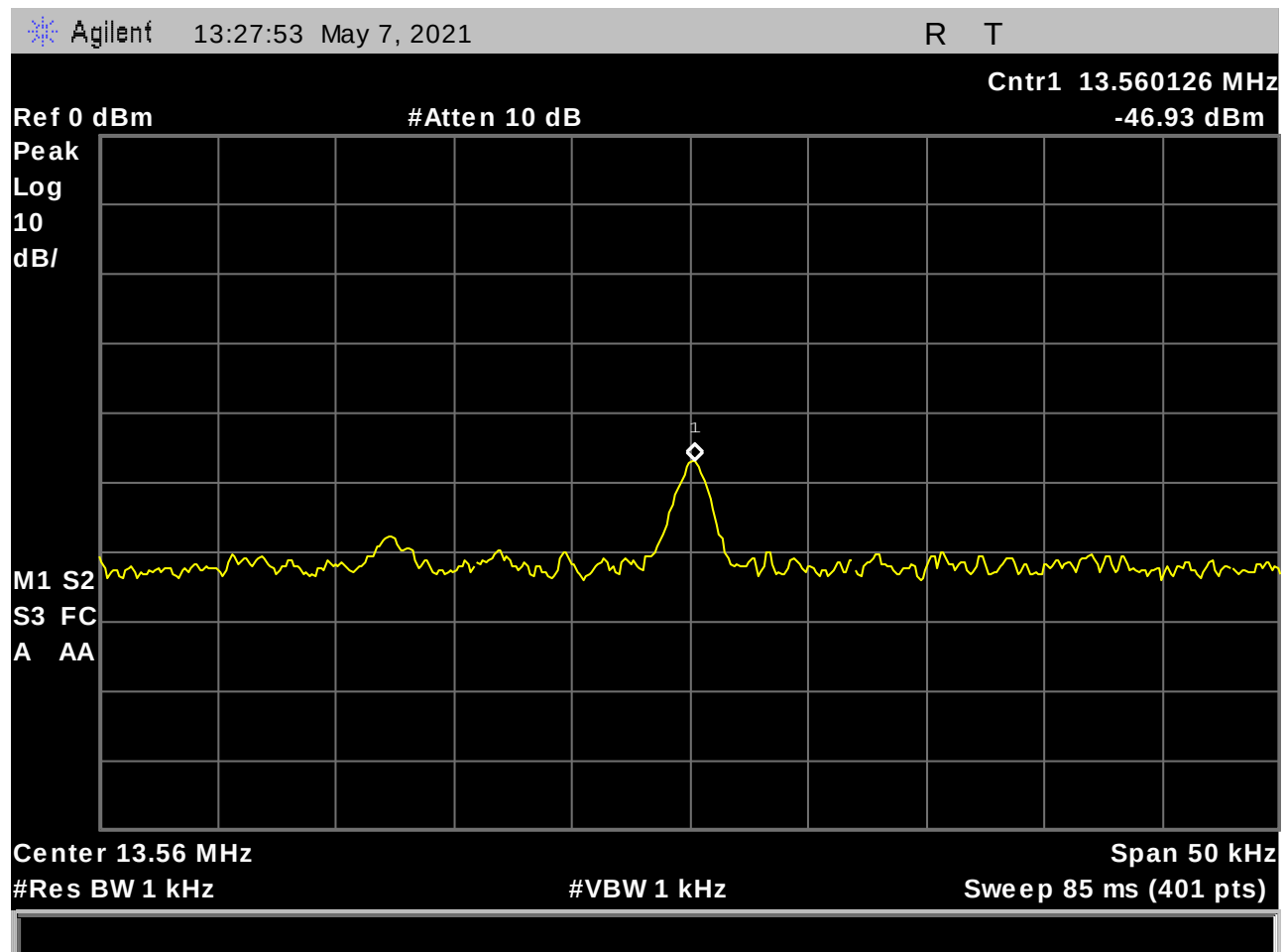


Figure 38: Frequency Stability, SmartWare, Vnom, -20°C

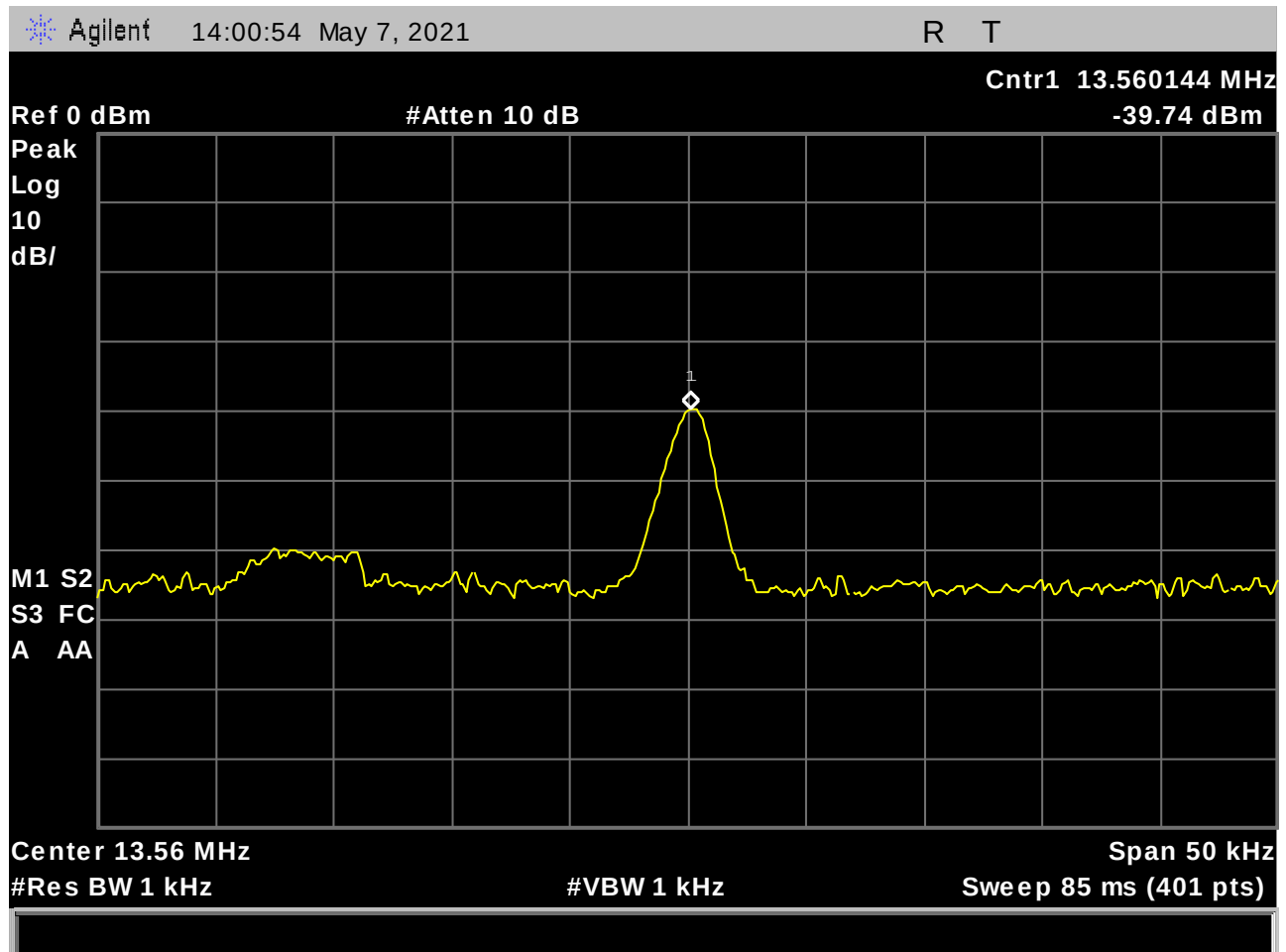


Figure 39: Frequency Stability, SmartWare, Vnom, 0°C

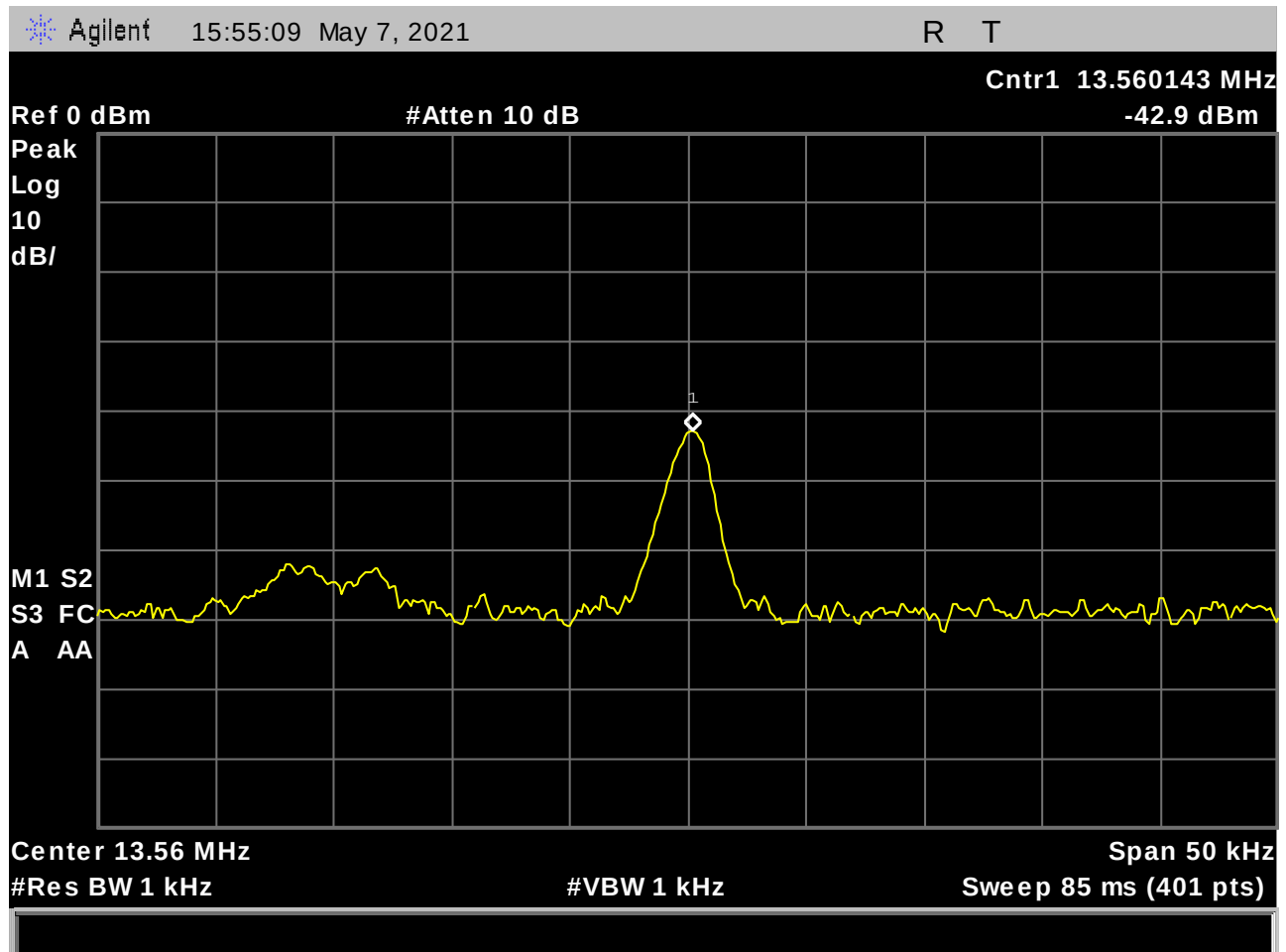


Figure 40: Frequency Stability, SmartWare, Vnom, 10°C

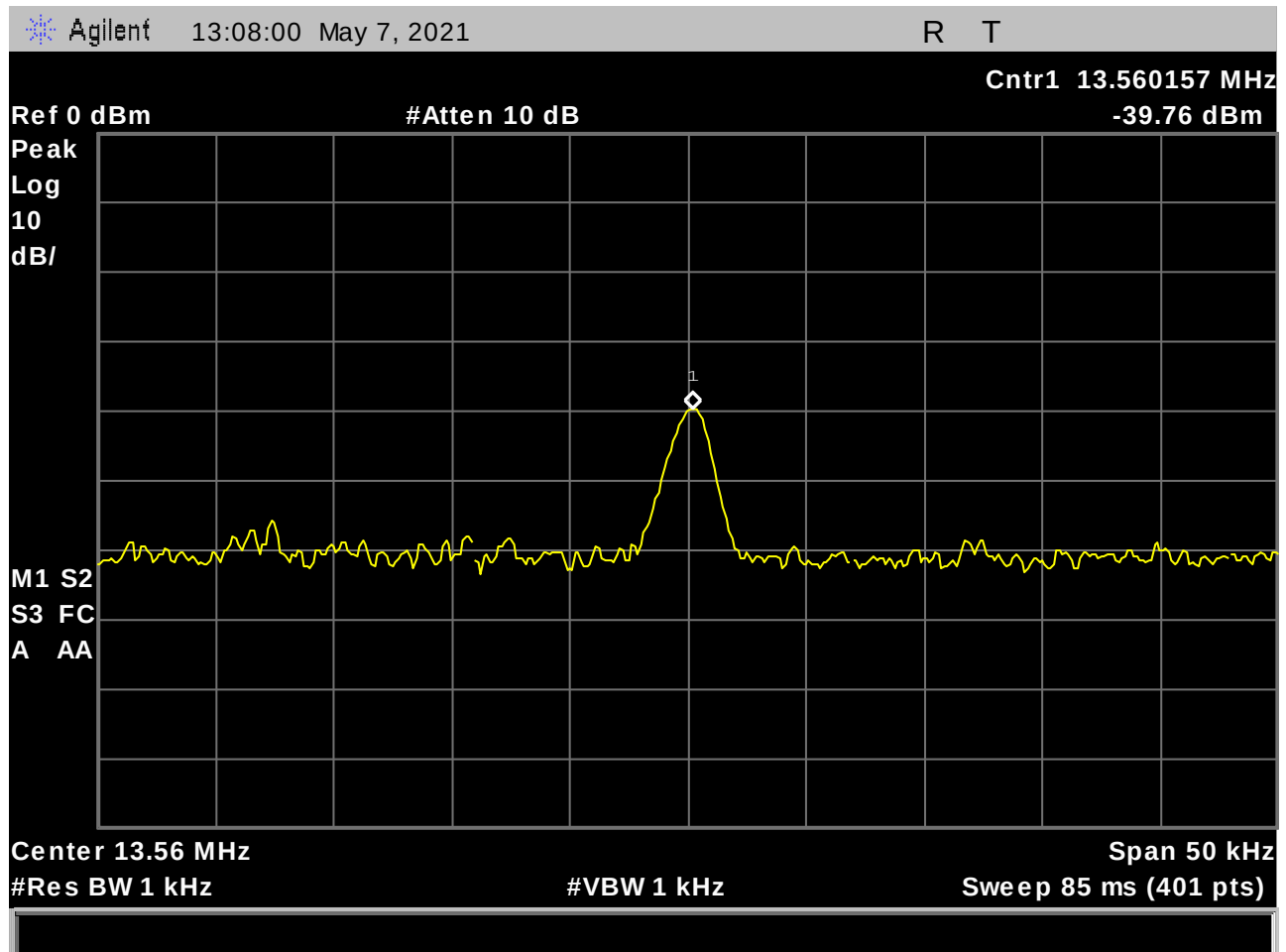


Figure 41: Frequency Stability, SmartWare, Vnom, 20°C

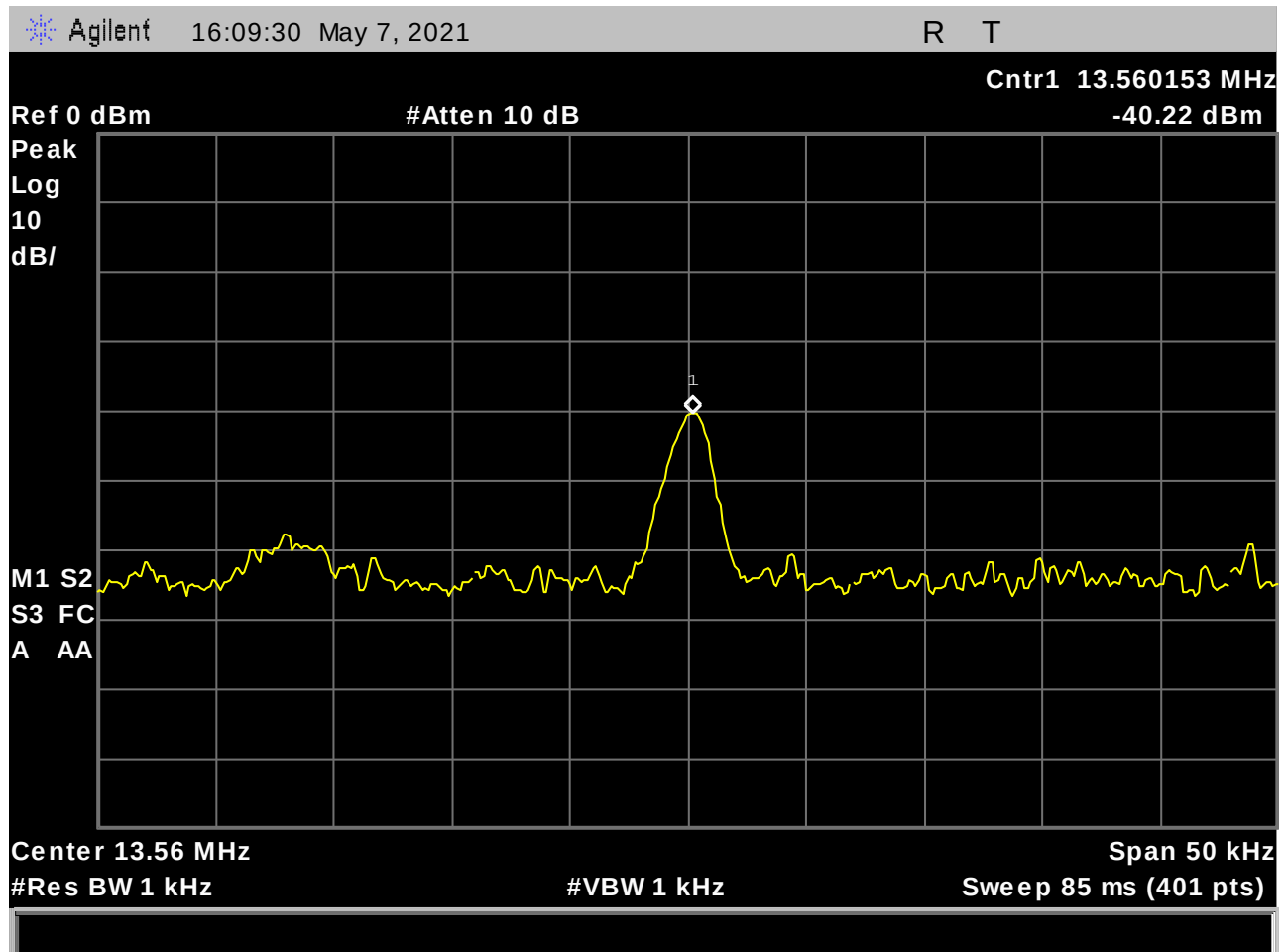


Figure 42: Frequency Stability, SmartWare, Vnom, 30°C

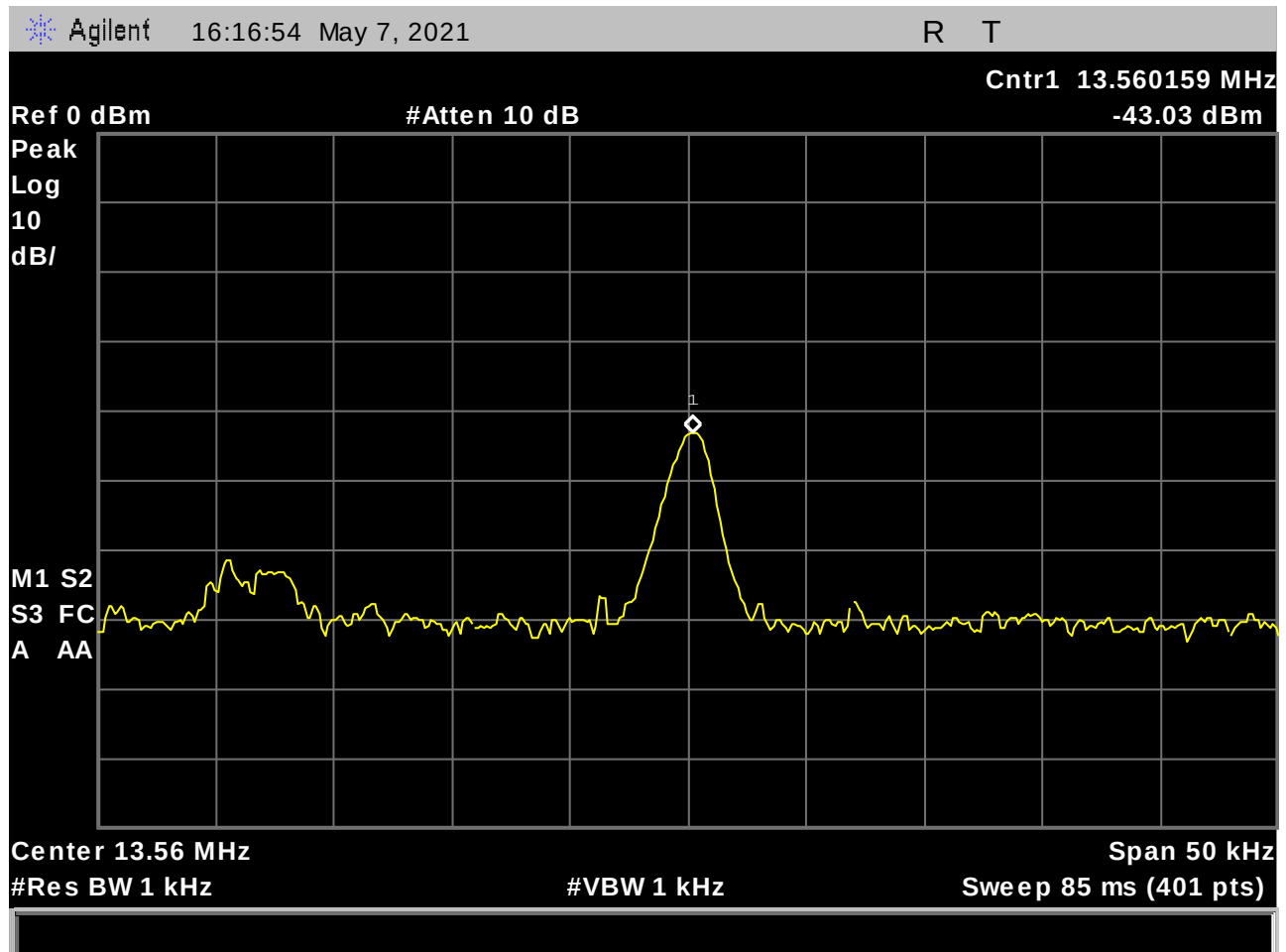


Figure 43: Frequency Stability, SmartWare, Vnom, 40°C

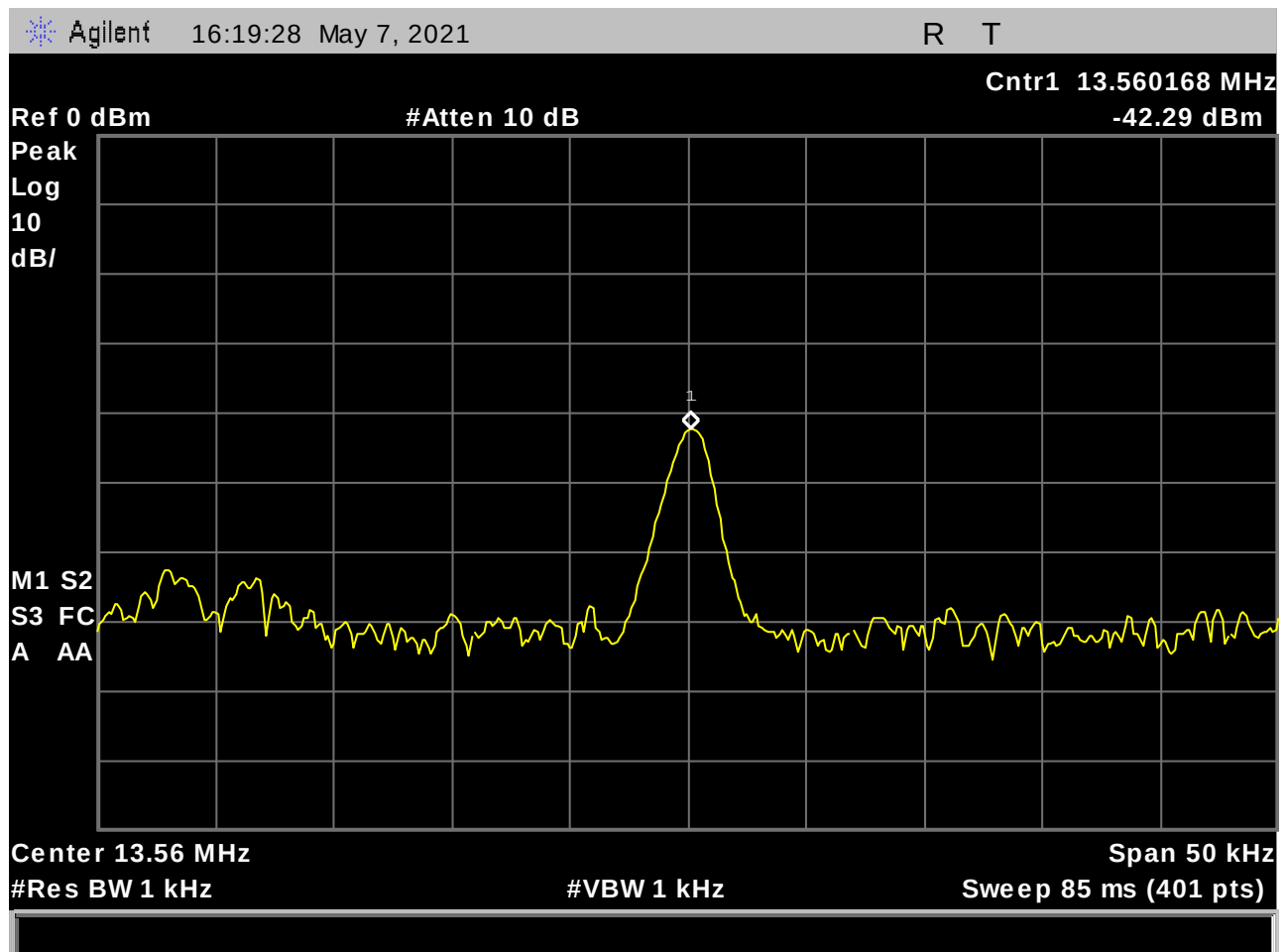


Figure 44: Frequency Stability, SmartWare, Vnom, 50°C

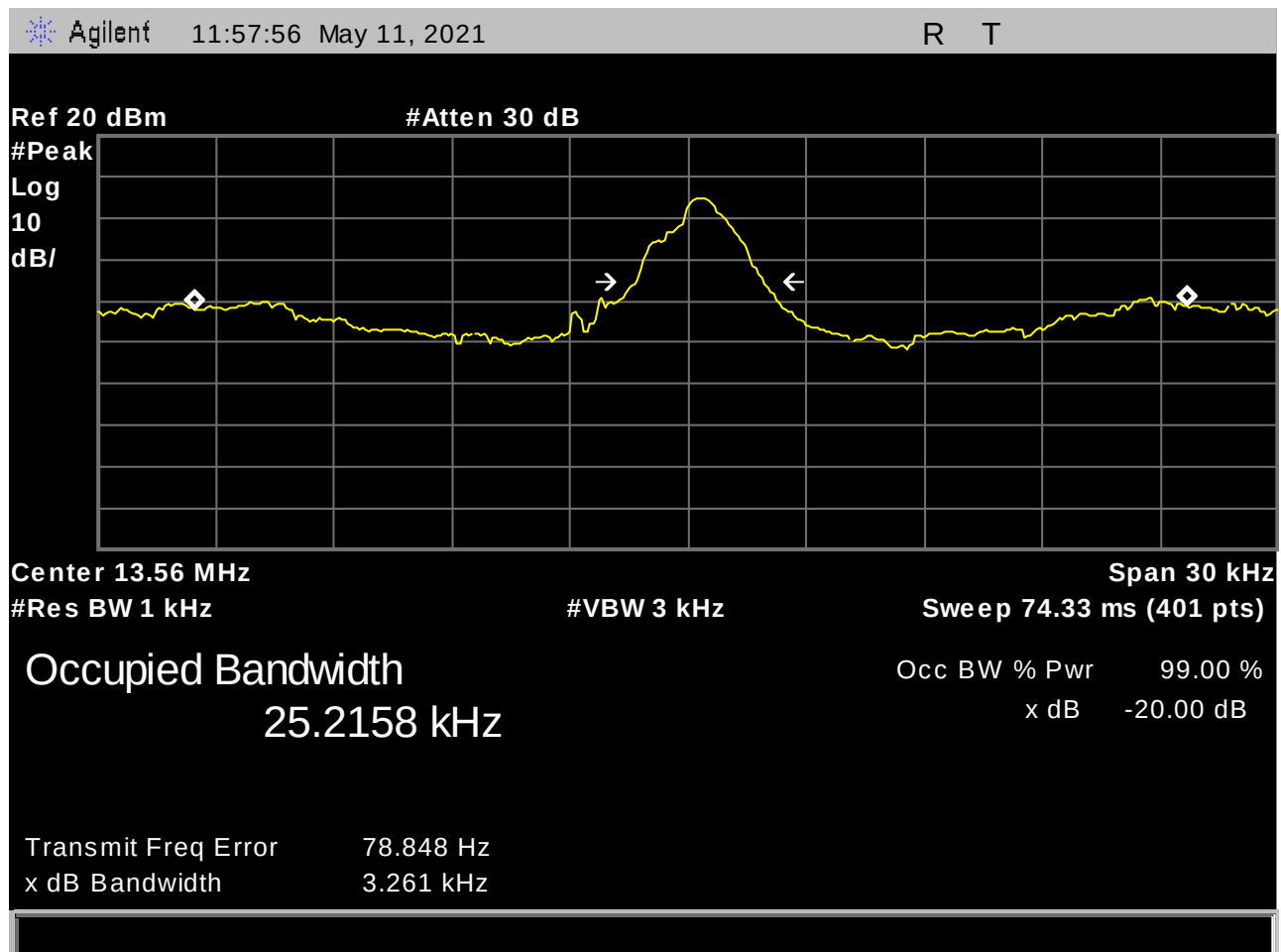


Figure 45: 99% Occupied Bandwidth, OK 5127SI

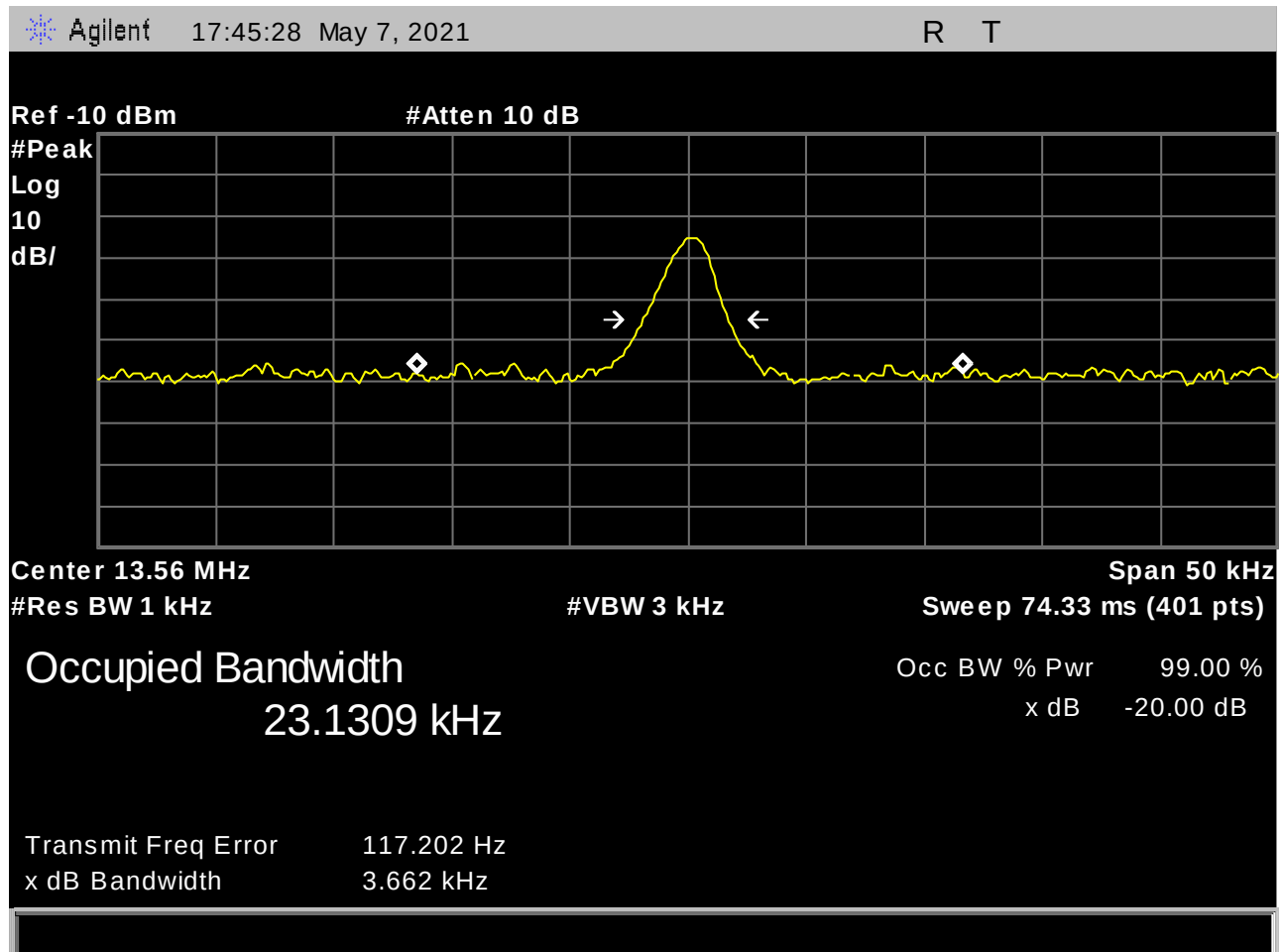


Figure 46: 99% Occupied Bandwidth, SmartWare

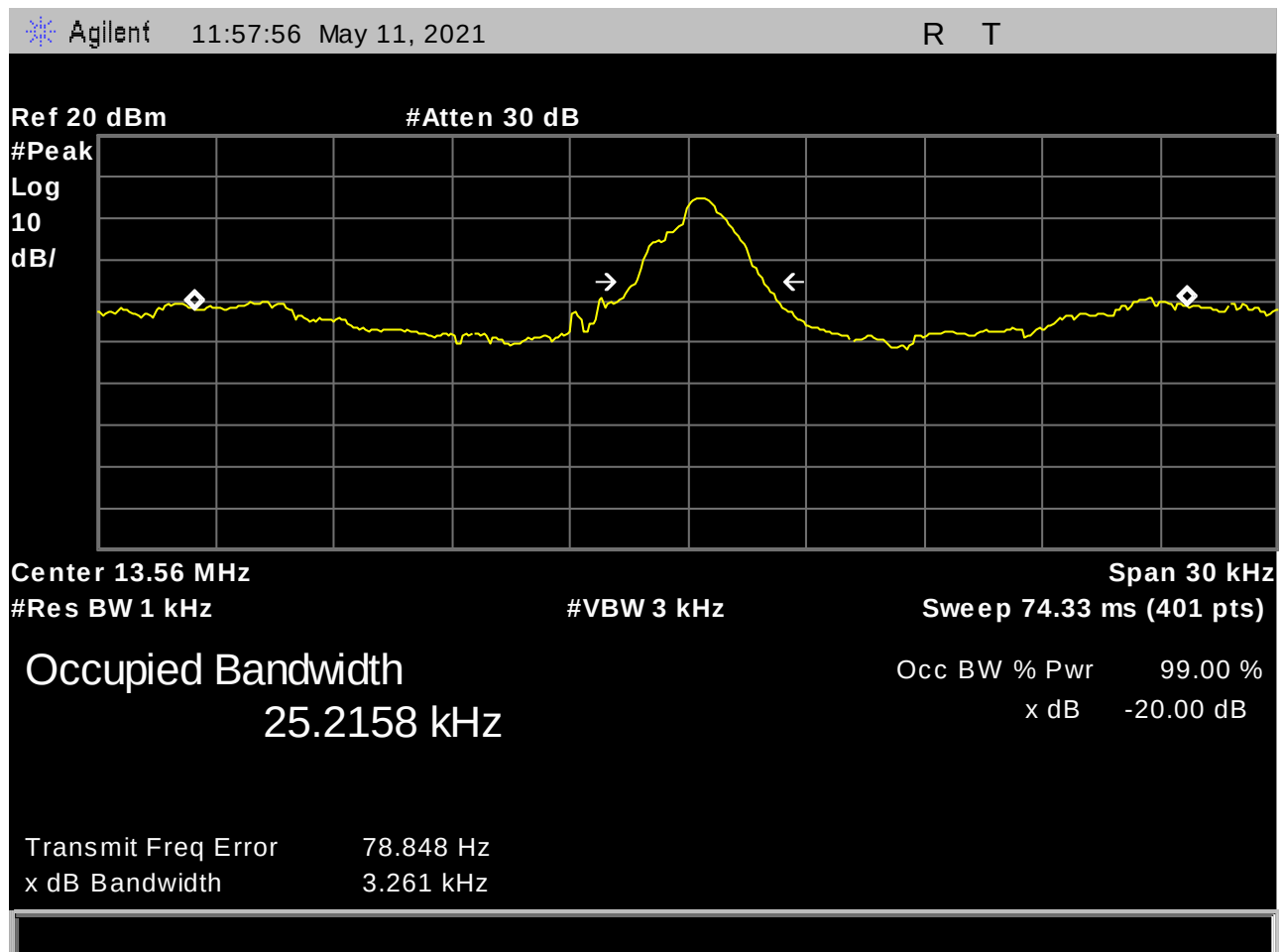


Figure 47: 20 dB Occupied Bandwidth, OK 5127SI

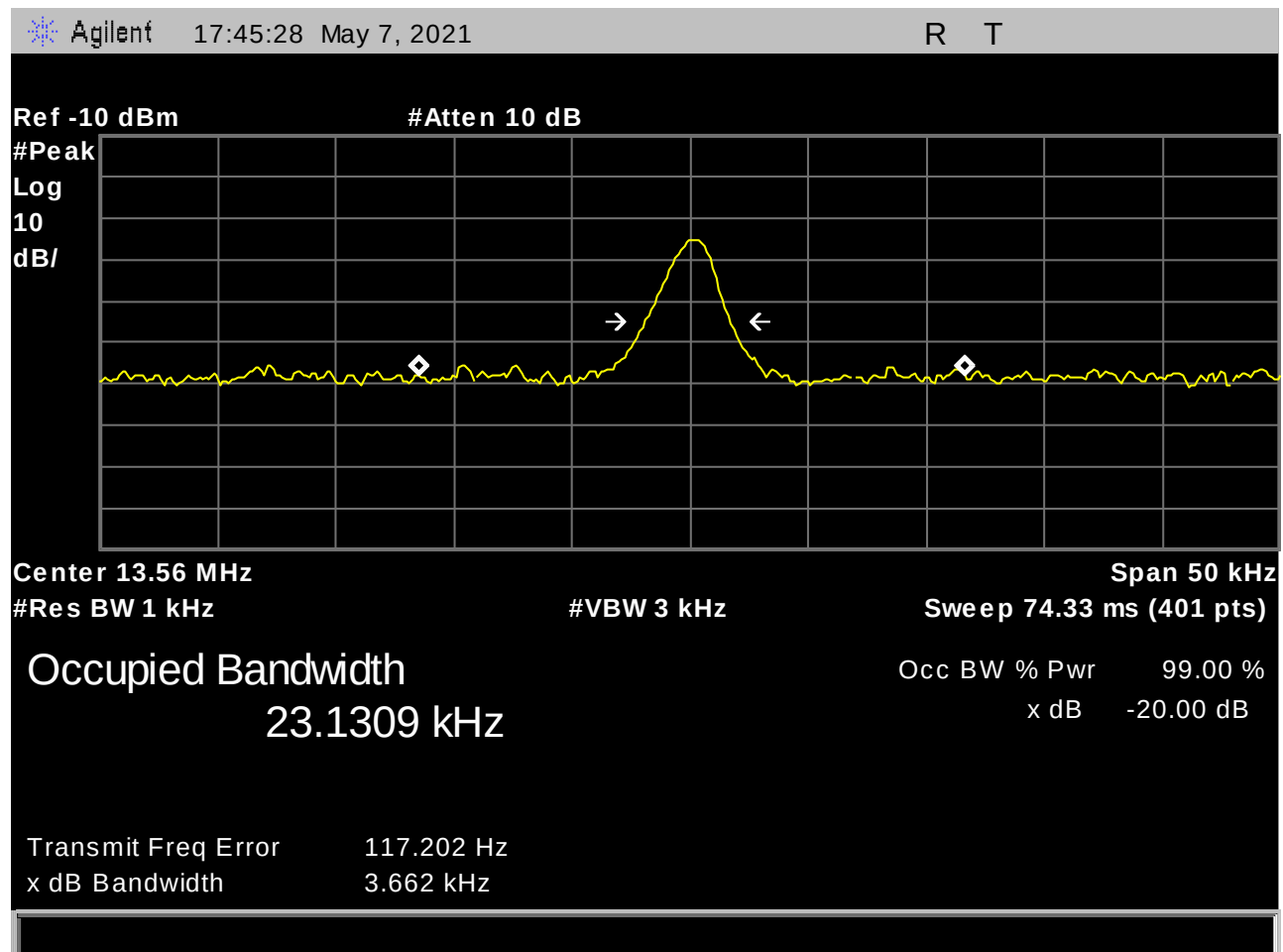


Figure 48: 20 dB Occupied Bandwidth, SmartWare