

APPENDIX A

WIR121493

FCC231 Data

§ 15.203 Antenna Requirement

* No data or photographs available.

§ 15.207(a) Conducted Emissions Limits

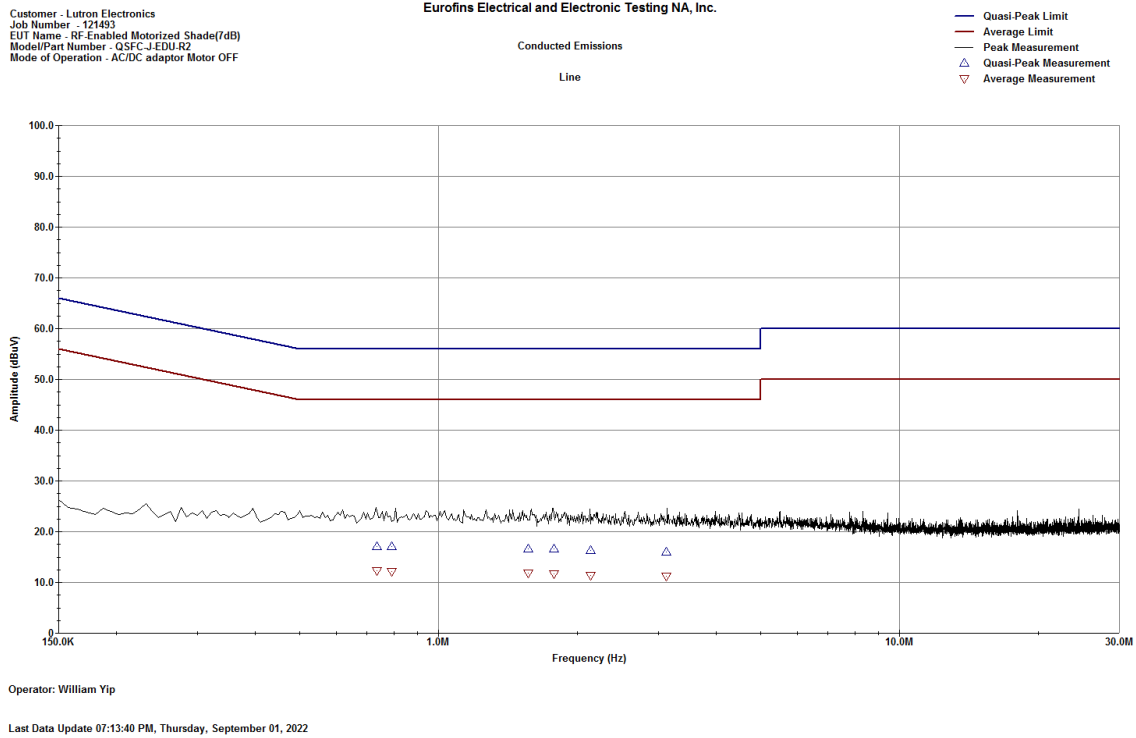


Figure 1. Line

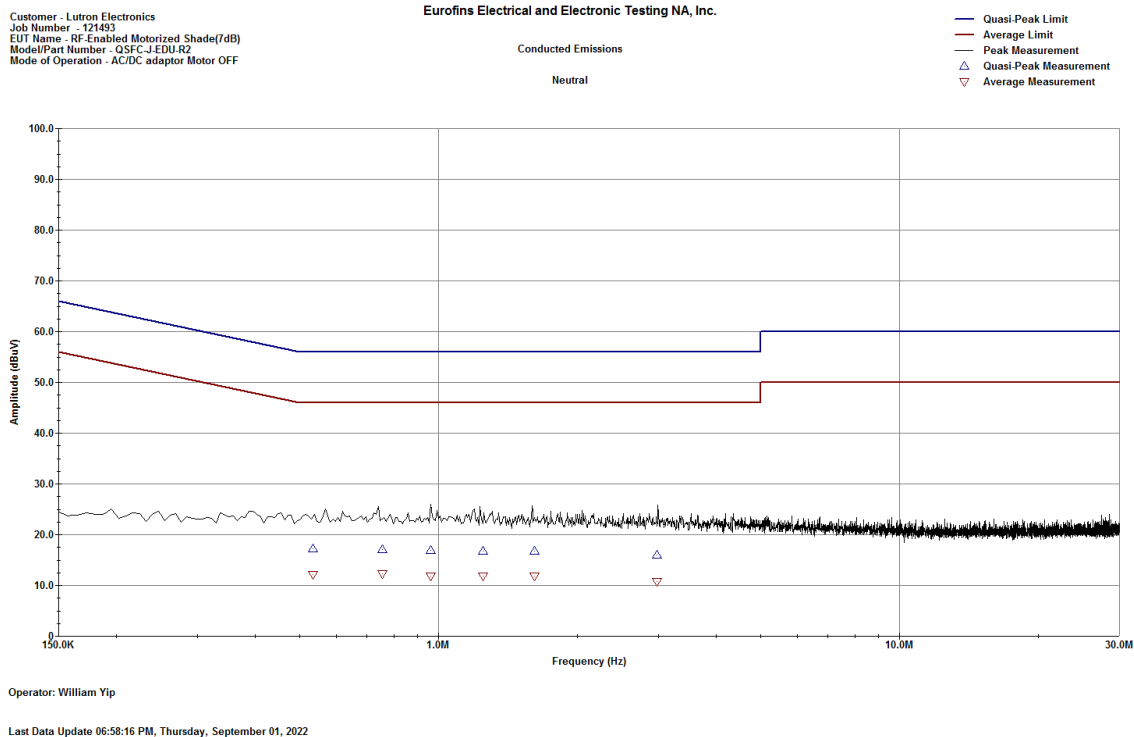


Figure 2. Neutral

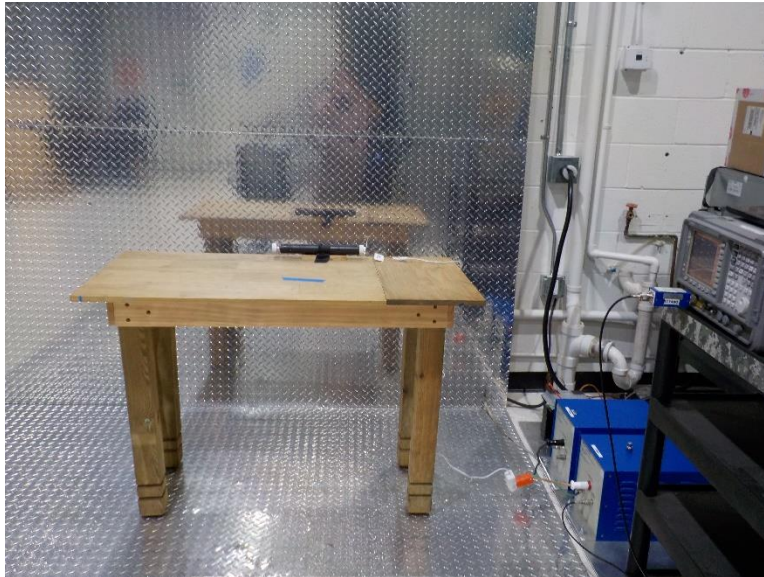


Figure 3. 121493 CEV AC_DC setup

§ 15.231 (a) Periodic Operation Requirements

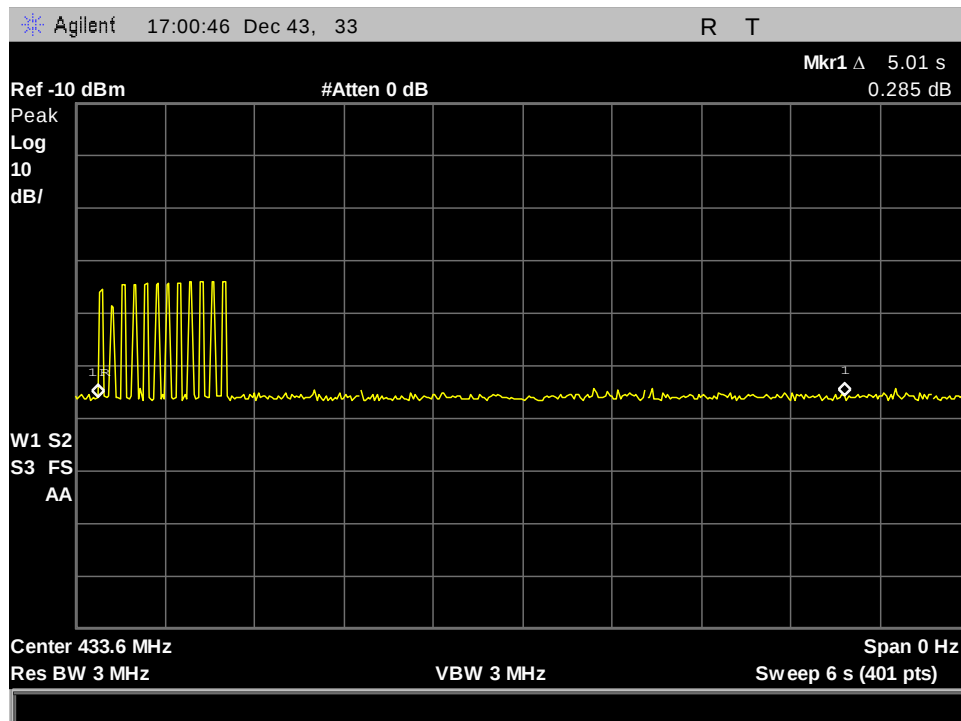


Figure 4. 5s Shutdown

§ 15.231(b) Field Strength of Fundamental and Harmonics

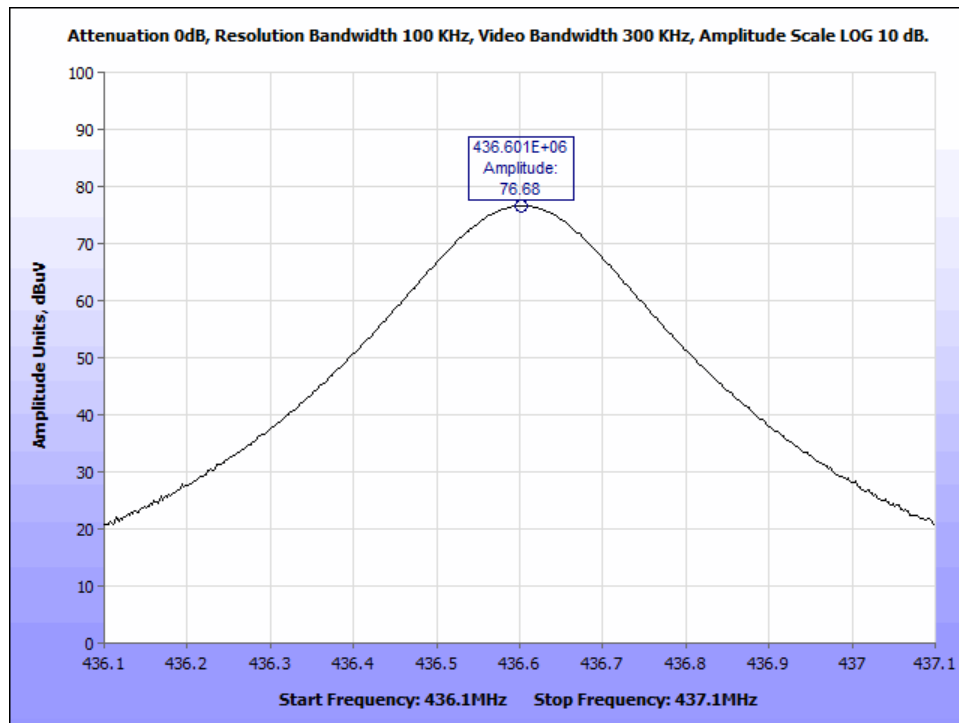


Figure 5. Uncorrected Fundamental Field Strength_High Channel 436.6MHz_Horizontal

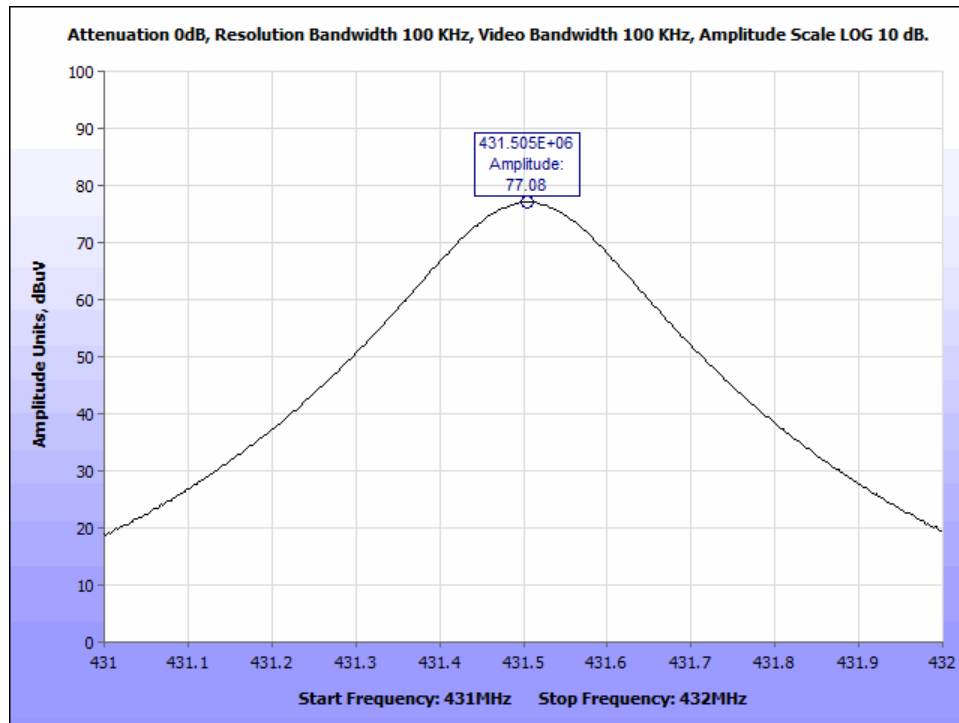


Figure 6. Uncorrected Fundamental Field Strength_Low Channel 431.5MHz_Horizontal

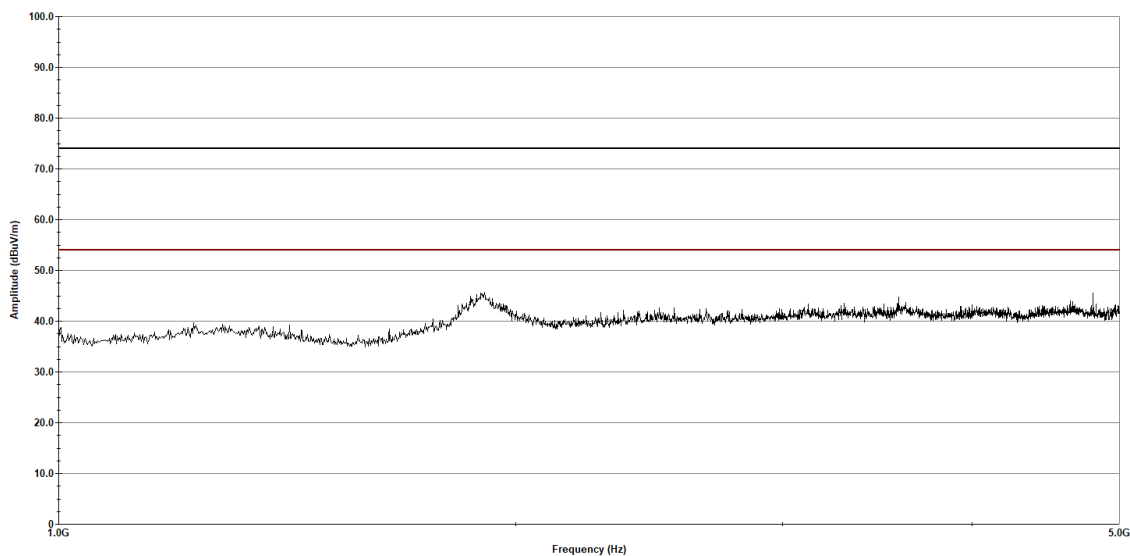
Customer - Lutron Electronics
Job Number - 121493
EUT Name - RF-Enabled Motorized Shade
Model - 7dB Attn
TX Channel - High (436.6MHz)

Eurofins Electrical and Electronic Testing NA, Inc.

Radiated Emissions

Horizontal Polarization

— Test Limit - Peak
— Test Limit - Average
— Measured - Peak
× Measured - Average



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Figure 7. High Channel_Radiated Spurious Emissions_1-5 GHz_Horizontal Polarization

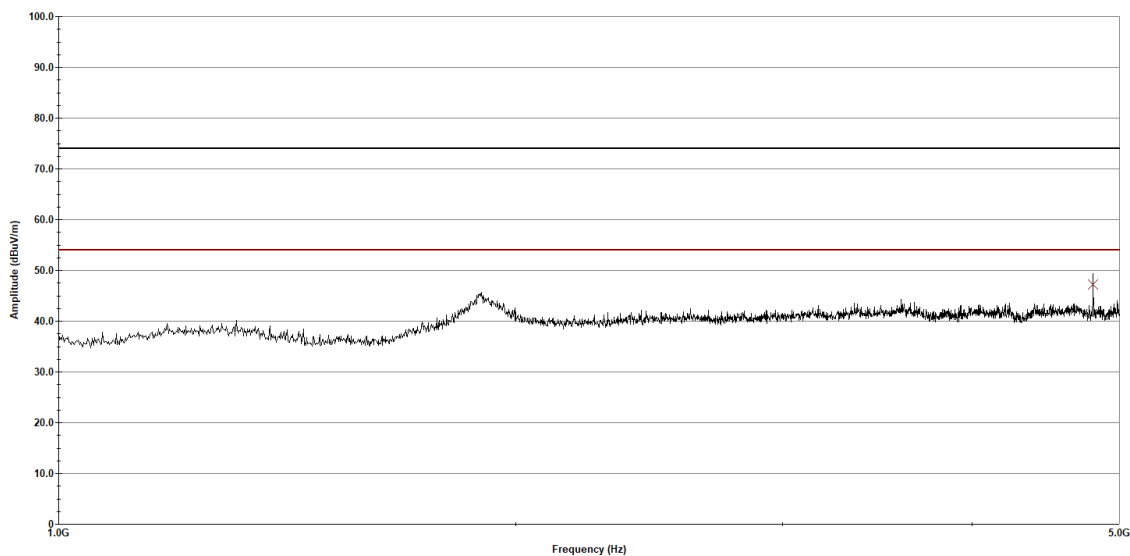
Customer - Lutron Electronics
Job Number - 121493
EUT Name - RF-Enabled Motorized Shade
Model - 7dB Attn
TX Channel - High (436.6MHz)

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Radiated Emissions

Vertical Polarization

— Test Limit - Peak
— Test Limit - Average
— Measured - Peak
× Measured - Average



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Figure 8. High Channel_Radiated Spurious Emissions_1-5 GHz_Vertical Polarization

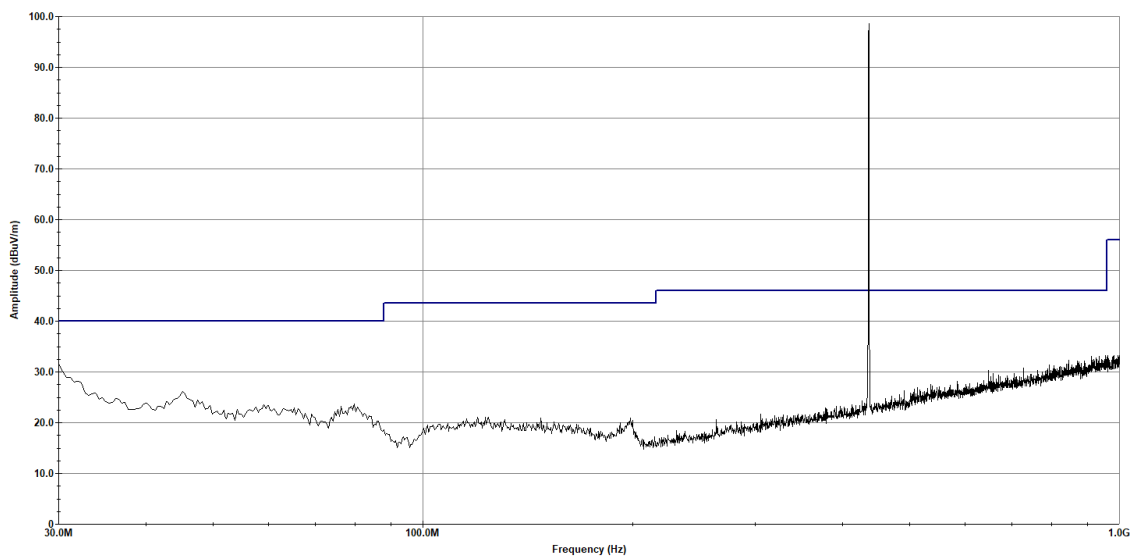
Customer - Lutron Electronics
Job Number - 121493
EUT Name - RF-Enabled Motorized Shade
Model - 7dB Attn
TX Channel - High (436.6MHz)

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Radiated Emissions

Horizontal Polarization

— Test Limit - Quasi-Peak
— Measured - Peak
× Measured - Quasi-Peak



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Figure 9. High Channel_Radiated Spurious Emissions_30-1000 MHz_Horizontal Polarization

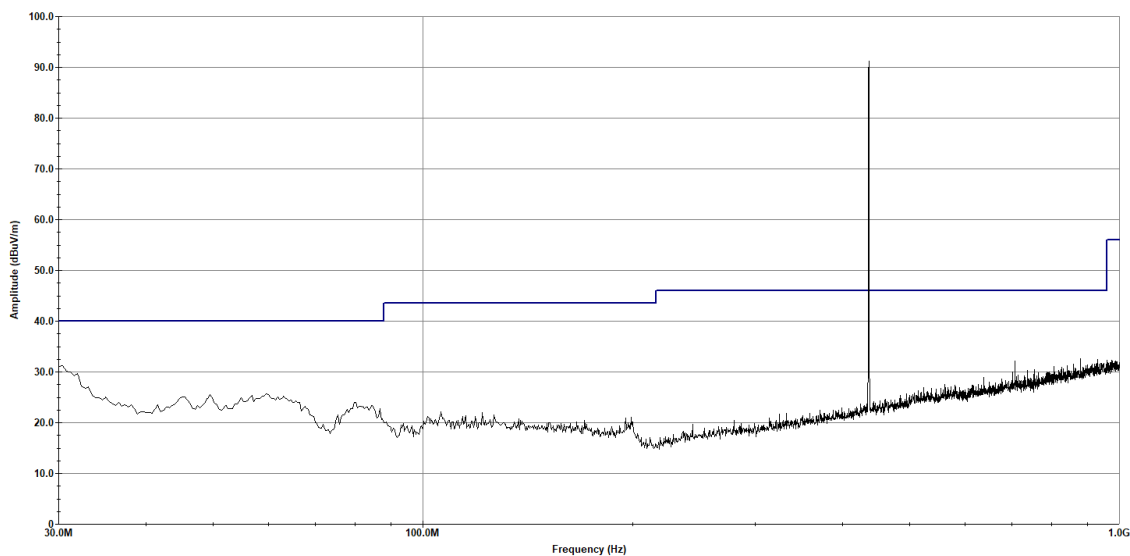
Customer - Lutron Electronics
Job Number - 121493
EUT Name - RF-Enabled Motorized Shade
Model - 7dB Attn
TX Channel - High (436.6MHz)

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Radiated Emissions

Vertical Polarization

— Test Limit - Quasi-Peak
— Measured - Peak
× Measured - Quasi-Peak



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Figure 10. High Channel_Radiated Spurious Emissions_30-1000 MHz_Vertical Polarization

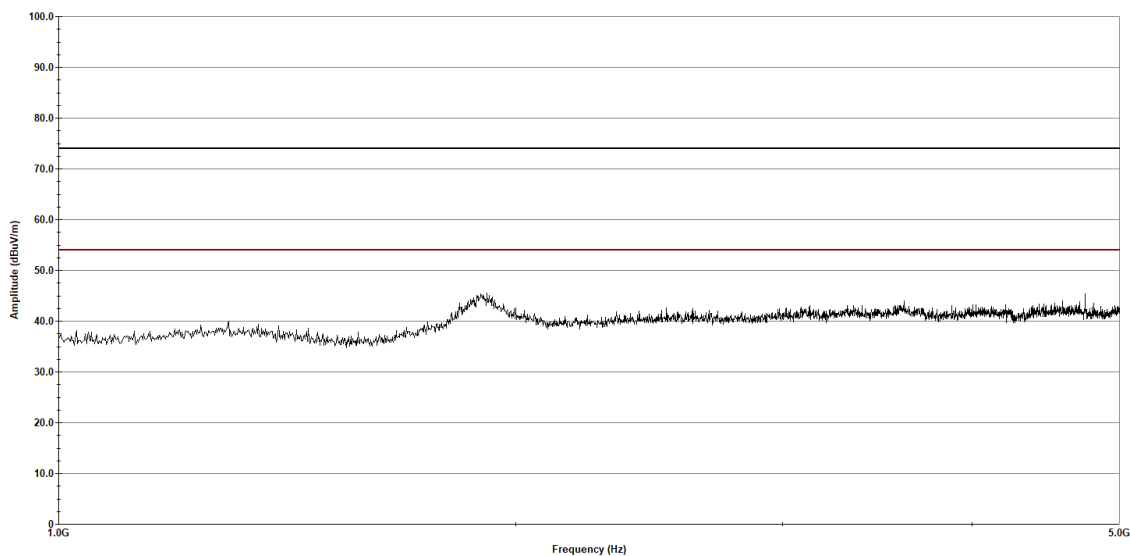
Customer - Lutron Electronics
 Job Number - 121493
 EUT Name - RF-Enabled Motorized Shade
 Model - 7dB Attn
 TX Channel - Low (431.5MHz)

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Radiated Emissions

Horizontal Polarization

— Test Limit - Peak
 — Test Limit - Average
 — Measured - Peak
 × Measured - Average



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Figure 11. Low Channel_Radiated Spurious Emissions_1-5 GHz_Horizontal Polarization

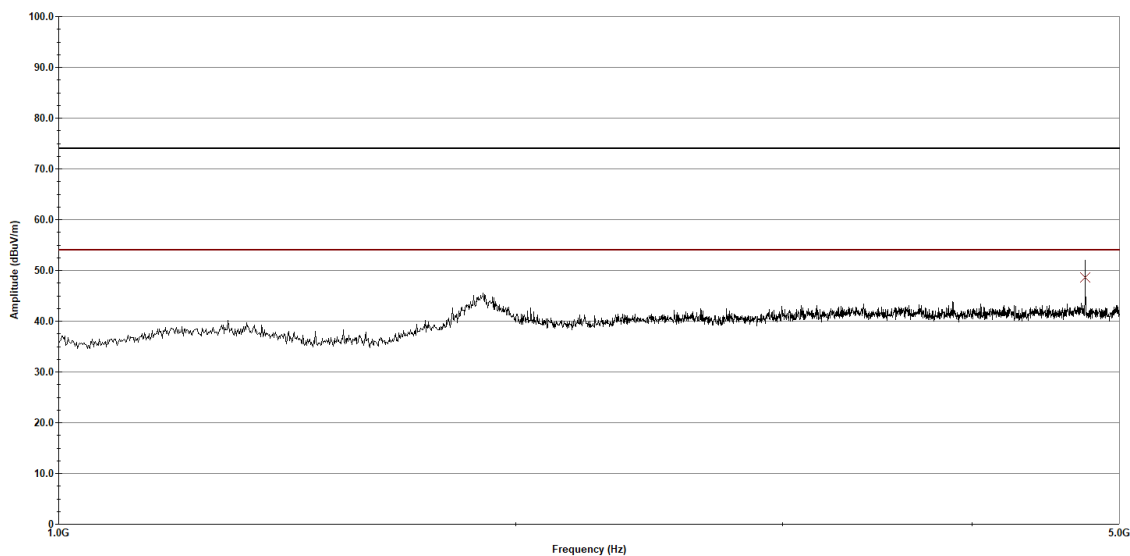
Customer - Lutron Electronics
Job Number - 121493
EUT Name - RF-Enabled Motorized Shade
Model - 7dB Attm
TX Channel - Low (431.5MHz)

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Radiated Emissions

Vertical Polarization

— Test Limit - Peak
— Test Limit - Average
— Measured - Peak
× Measured - Average



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Figure 12. Low Channel_Radiated Spurious Emissions_1-5 GHz_Vertical Polarization

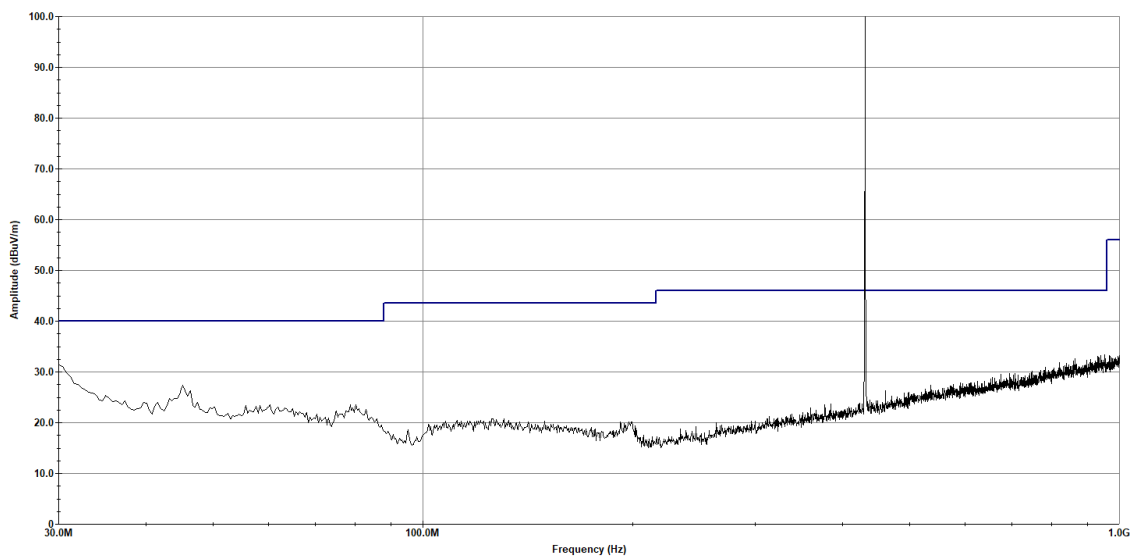
Customer - Lutron Electronics
Job Number - 121493
EUT Name - RF-Enabled Motorized Shade
Model - 7dB Attm
TX Channel - Low (431.5MHz)

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Radiated Emissions

Horizontal Polarization

— Test Limit - Quasi-Peak
— Measured - Peak
× Measured - Quasi-Peak



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Figure 13. Low Channel_Radiated Spurious Emissions_30-1000 MHz_Horizontal Polarization

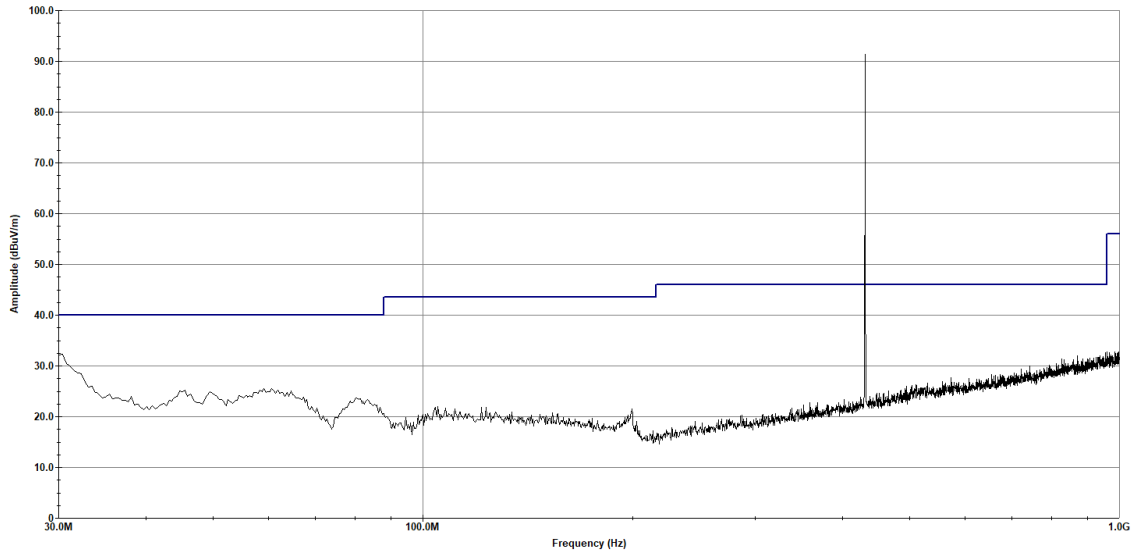
Customer - Lutron Electronics
Job Number - 121493
EUT Name - RF-Enabled Motorized Shade
Model - 7dB Attm
TX Channel - Low (431.5MHz)

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Radiated Emissions

Vertical Polarization

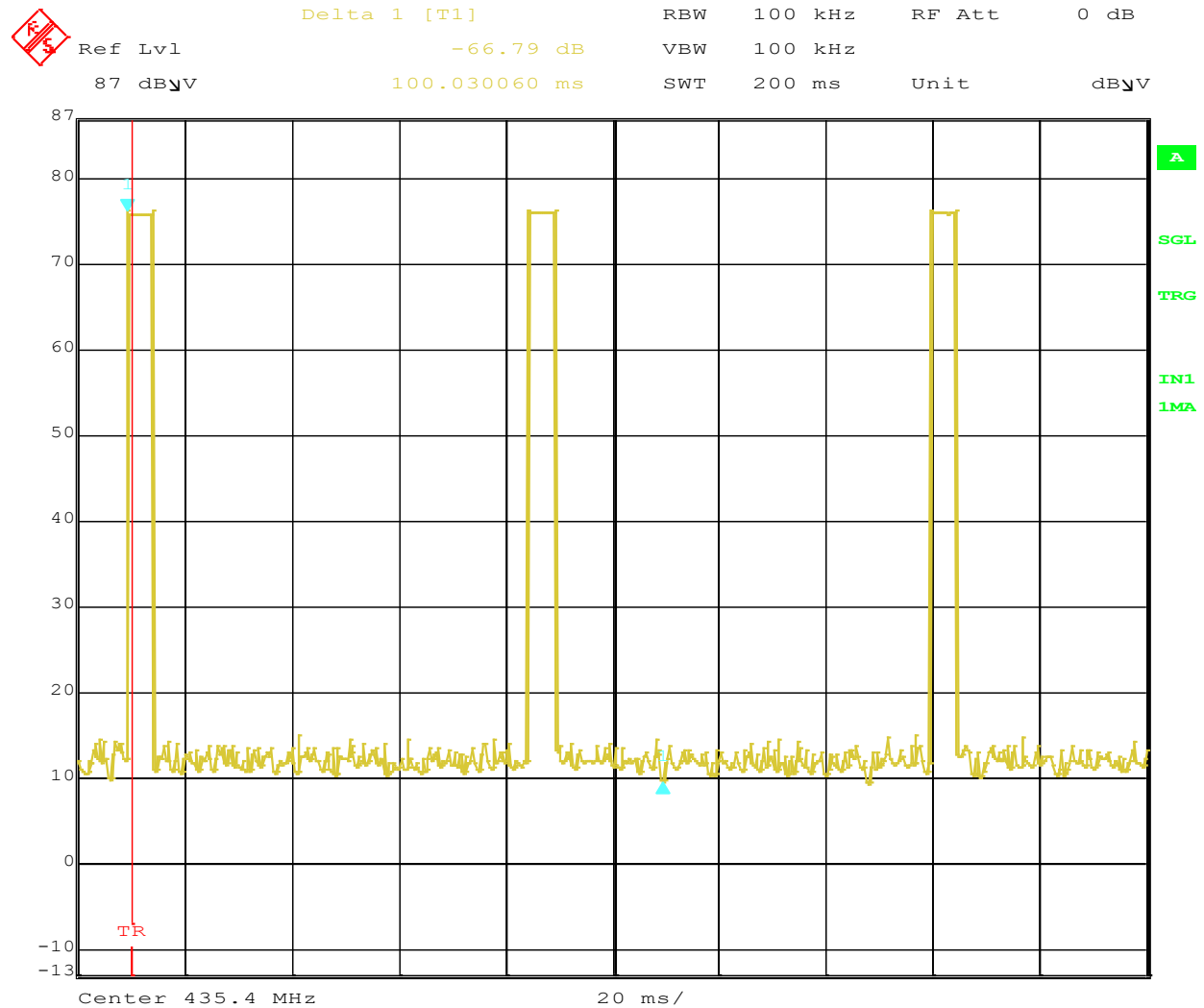
— Test Limit - Quasi-Peak
— Measured - Peak
× Measured - Quasi-Peak



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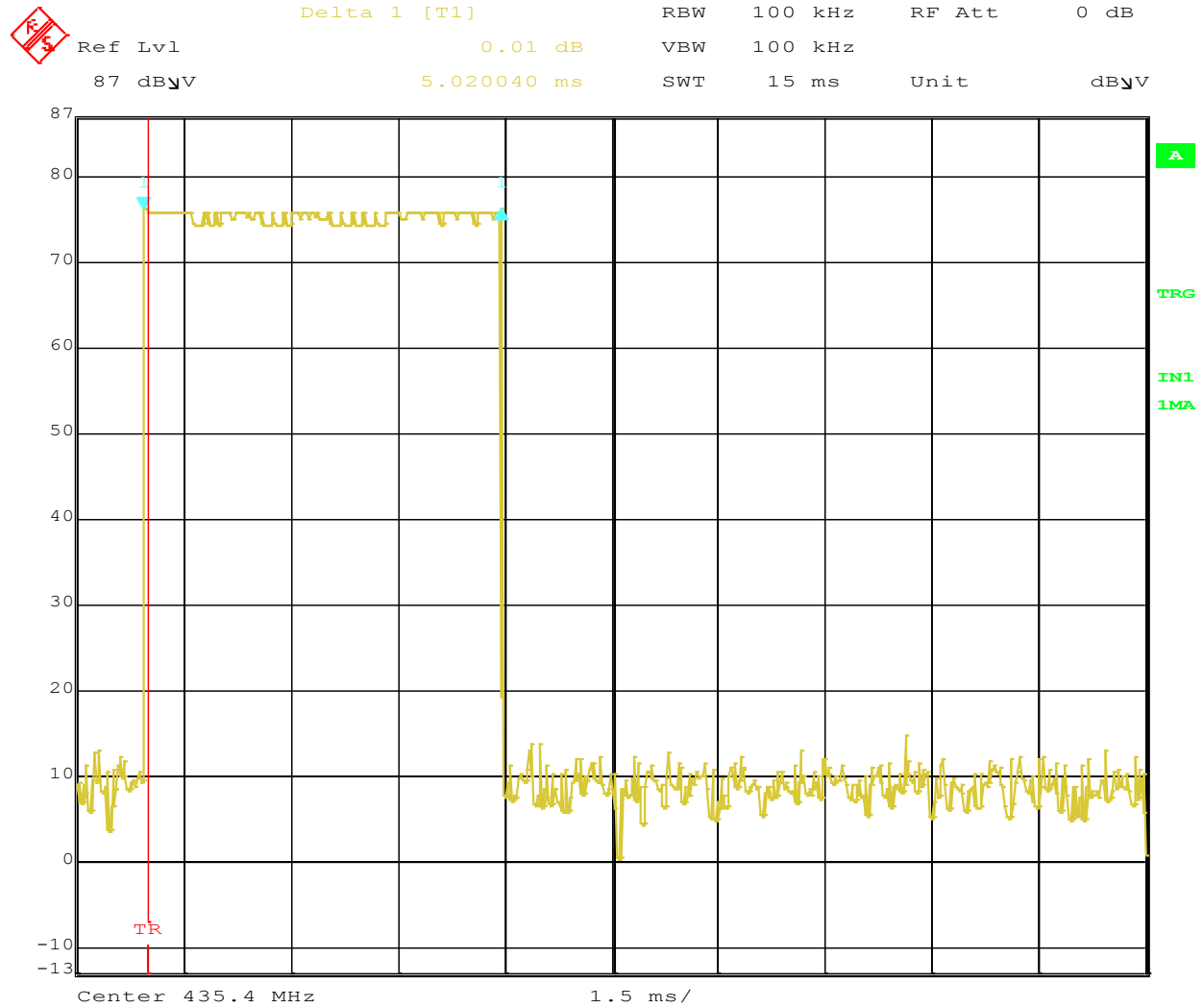
Last Data Update 11:28:01 AM, Thursday, September 01, 2022

Figure 14. Low Channel_Radiated Spurious Emissions_30-1000 MHz_Vertical Polarization



Date: 1.JAN.1997 01:07:40

Figure 15. Period



Date: 1.JAN.1997 01:11:59

Figure 16. Pulse width

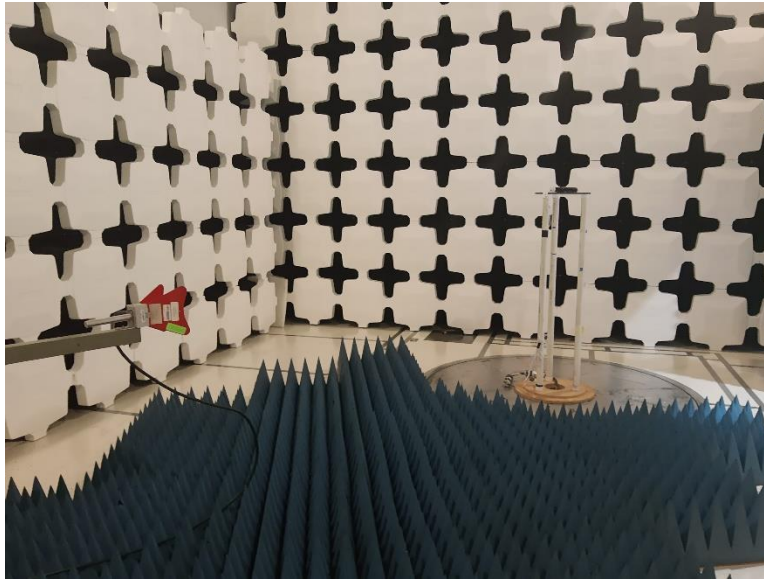


Figure 17. Radiated Emissions - Test Setup, 1-5GHz

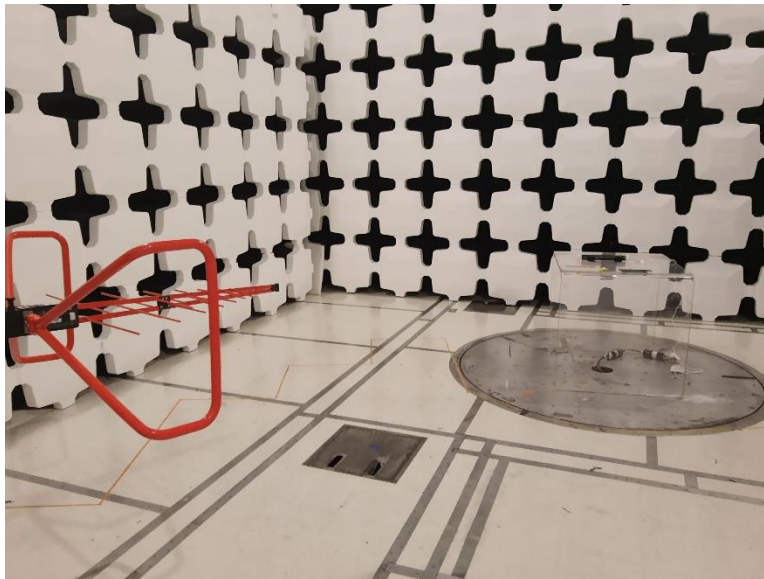


Figure 18. Radiated Emissions - Test Setup, 30-1000MHz

§ 15.231(c) 20 dB Bandwidth

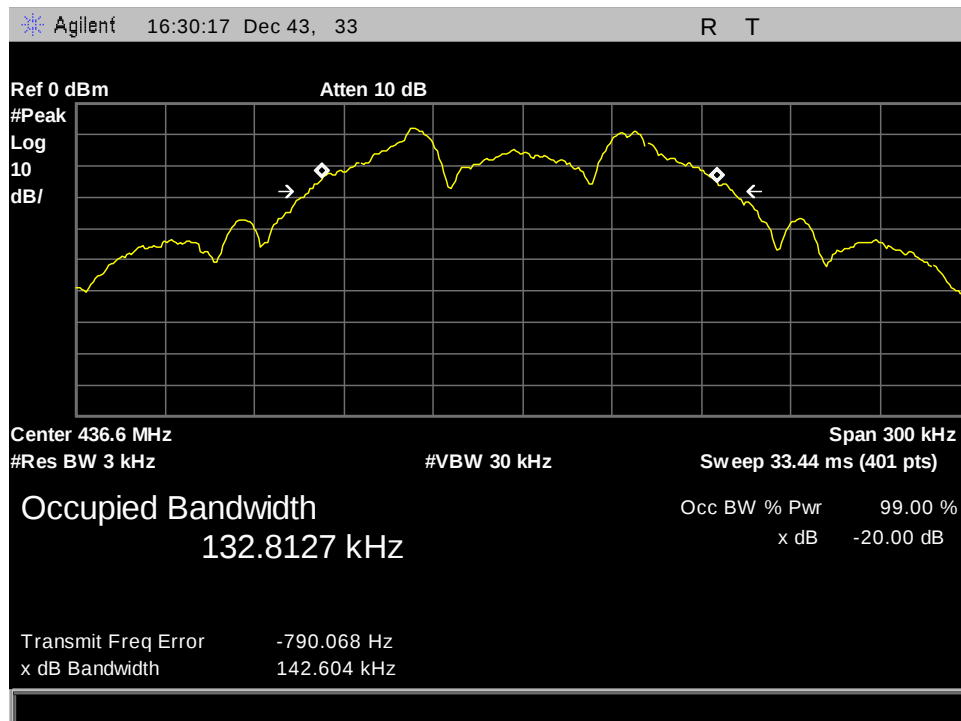


Figure 19. High Channel_OBW_436.6MHz

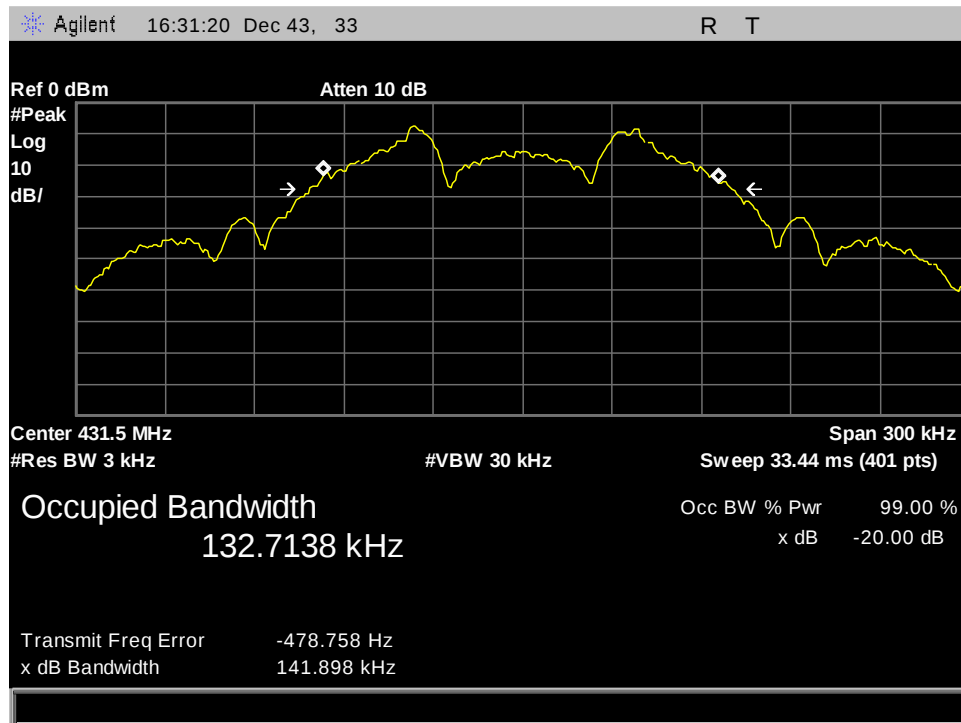


Figure 20. Low Channel_OBW_431.5MHz