

APPENDIX A

WIR121493

FCC231 Data

§ 15.203 Antenna Requirement

* No data or photographs available.

§ 15.207(a) Conducted Emissions Limits

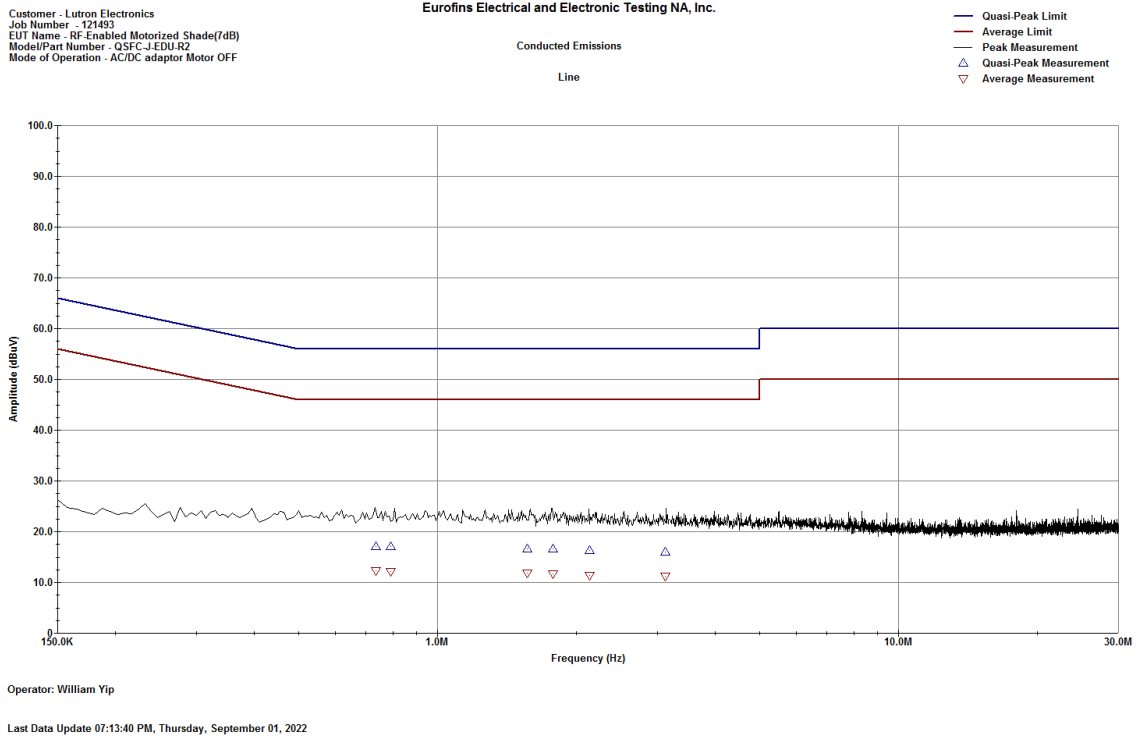


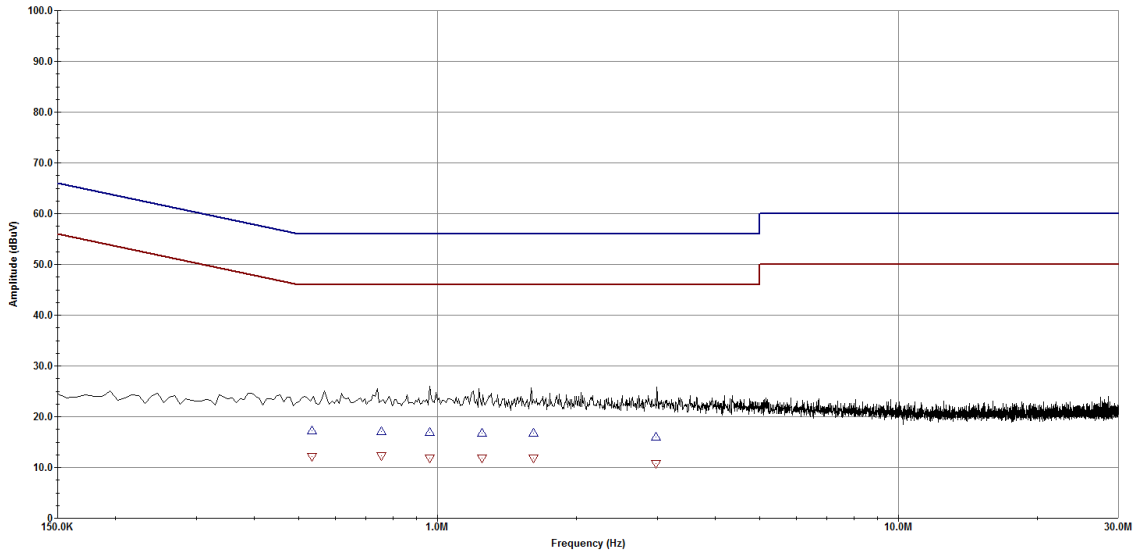
Figure 1. Line

Customer - Lutron Electronics
 Job Number - 121493
 EUT Name - RF-Enabled Motorized Shade(7dB)
 Model/Part Number - QSFC-J-EDU-R2
 Mode of Operation - AC/DC adaptor Motor OFF

Eurofins Electrical and Electronic Testing NA, Inc.

Conducted Emissions
 Neutral

— Quasi-Peak Limit
 — Average Limit
 — Peak Measurement
 △ Quasi-Peak Measurement
 ▽ Average Measurement



Operator: William Yip

Last Data Update 06:58:16 PM, Thursday, September 01, 2022

Figure 2. Neutral

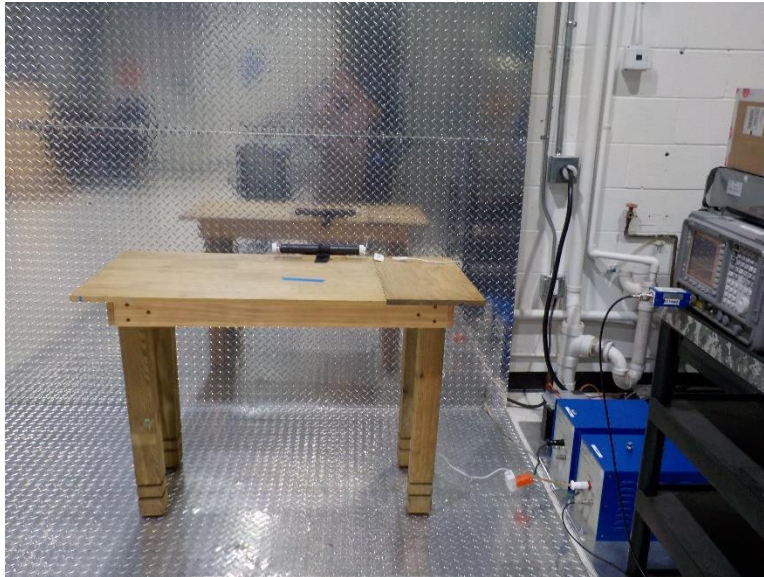


Figure 3. 121493 CEV AC_DC setup

§ 15.231 (a) Periodic Operation Requirements

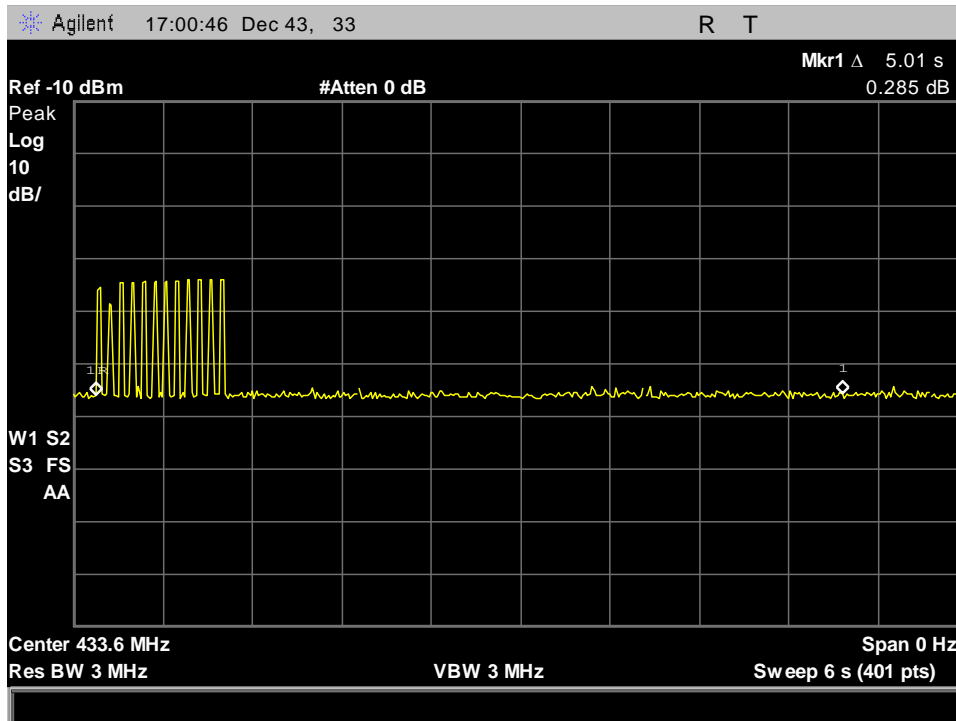


Figure 4. 5s Shutdown

§ 15.231(b) Field Strength of Fundamental and Harmonics

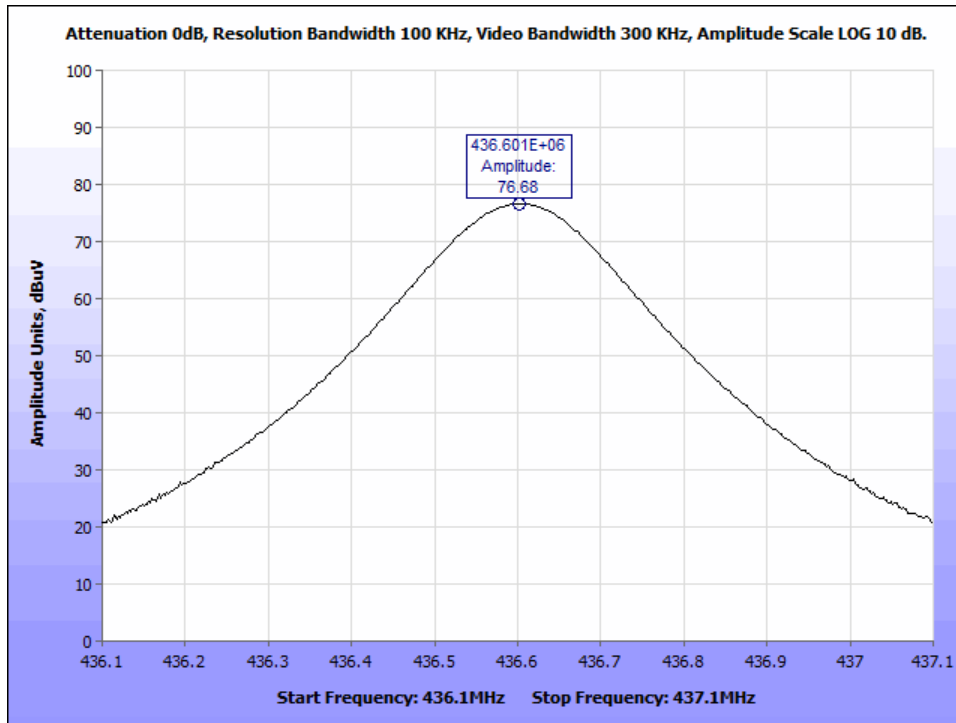


Figure 5. Uncorrected Fundamental Field Strength_High Channel 436.6MHz_Horizontal

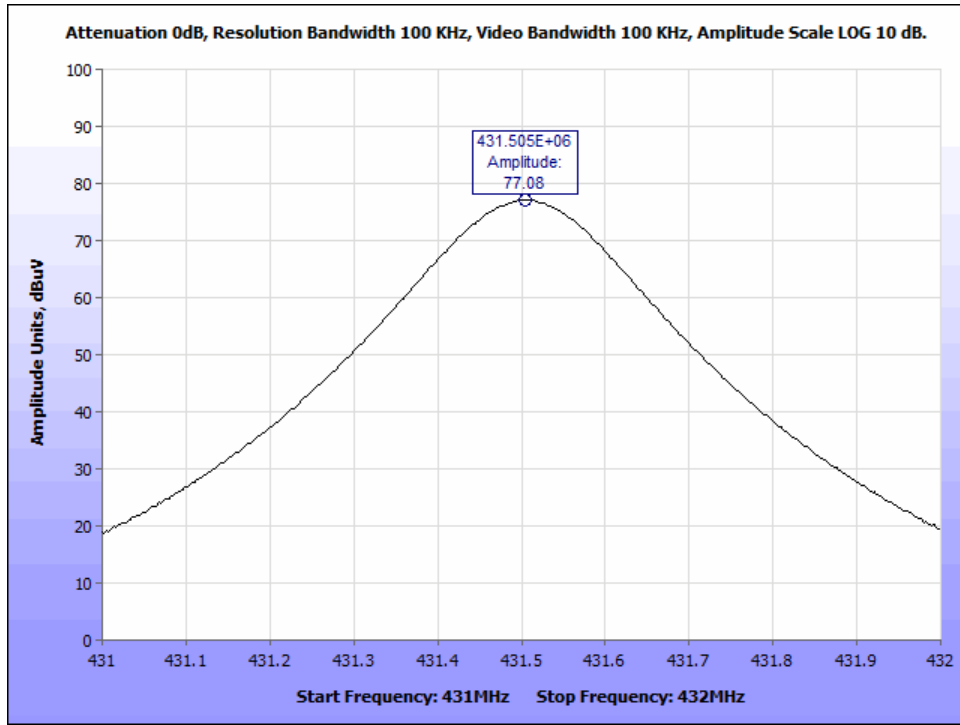


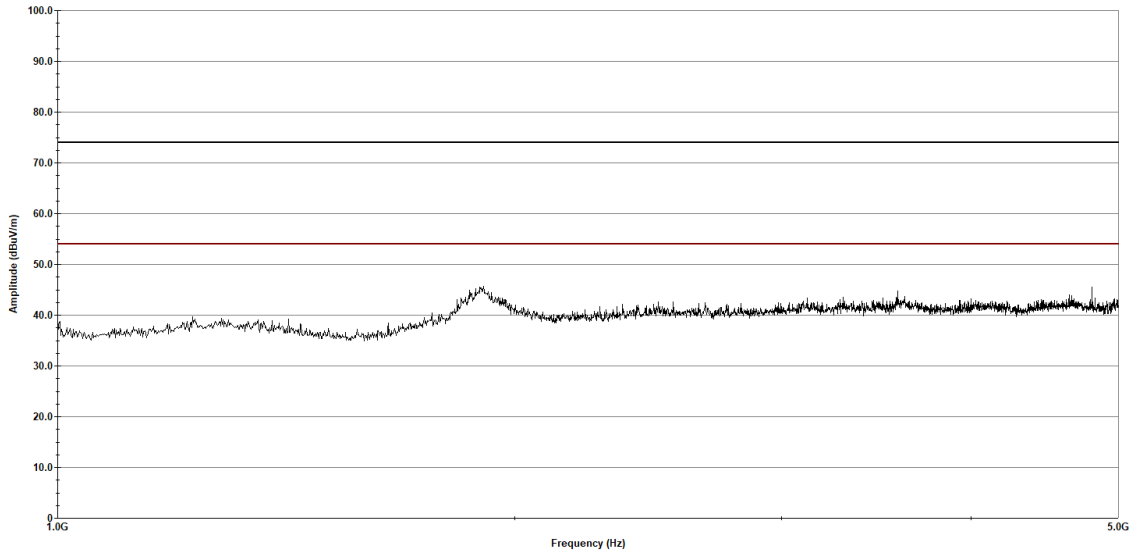
Figure 6. Uncorrected Fundamental Field Strength_Low Channel 431.5MHz_Horizontal

Customer - Lutron Electronics
 Job Number - 121493
 EUT Name - RF-Enabled Motorized Shade
 Model - 7488 Attrn
 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



Operator: Donald Salguero

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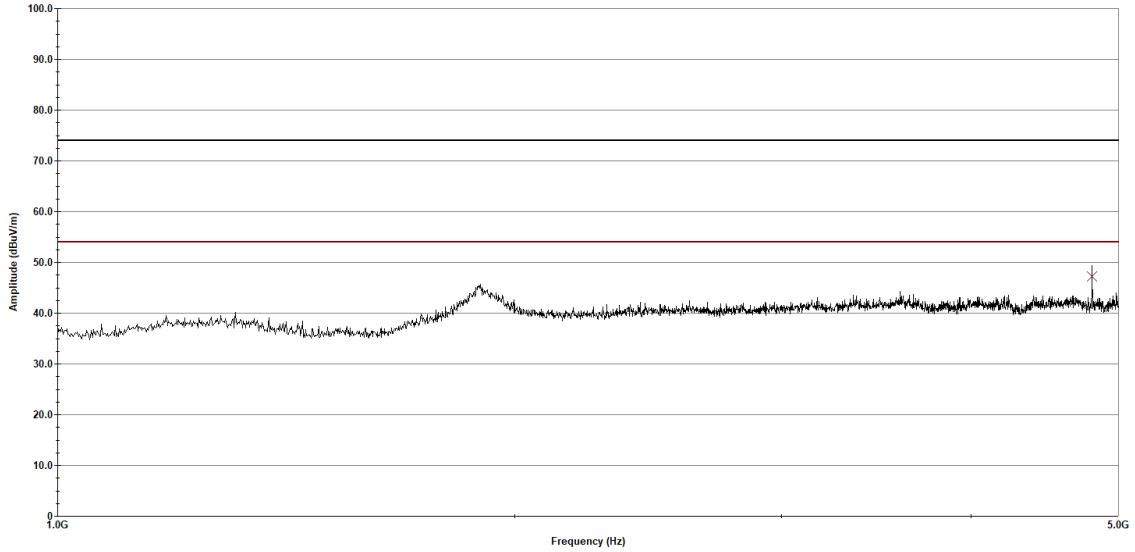
Figure 7. High Channel_Radiated Spurious Emissions_1-5 GHz_Horizontal Polarization

Customer - Lutron Electronics
 Job Number - 121493
 EUT Name - RF-Enabled Motorized Shade
 Model - 7488 Attrn
 TX Channel - High (436.6MHz)

Eurofins Electrical and Electronic Testing NA, Inc.

Radiated Emissions
 Vertical Polarization

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



Operator: Donald Salguero

Last Data Update 02:33:22 PM, Thursday, September 01, 2022

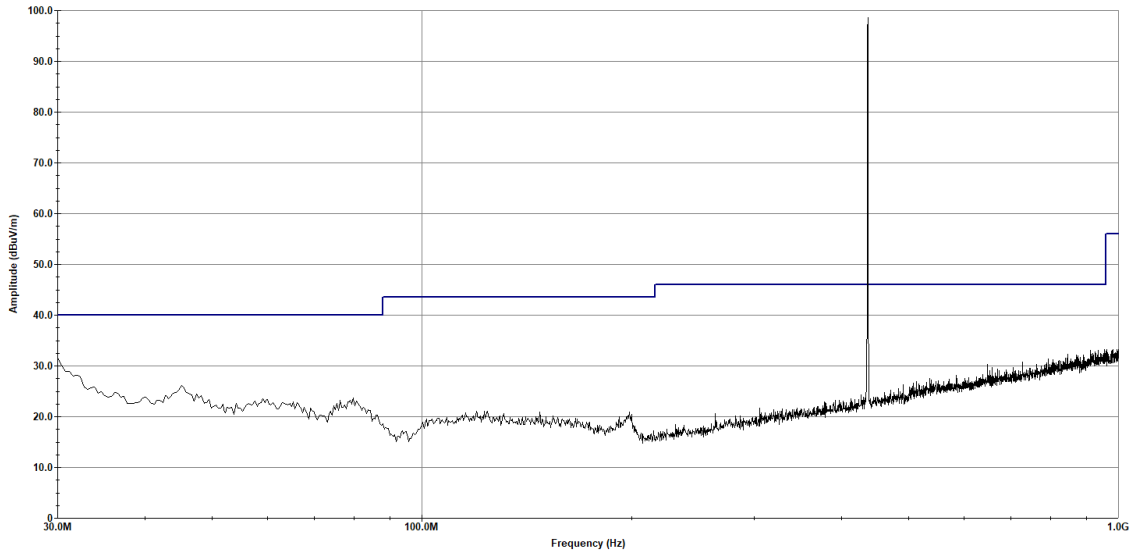
Figure 8. High Channel_Radiated Spurious Emissions_1-5 GHz_Vertical Polarization

Customer - Lutron Electronics
 Job Number - 121493
 EUT Name - RF-Enabled Motorized Shade
 Model - 7488 Attrn
 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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Last Data Update 11:01:37 AM, Thursday, September 01, 2022

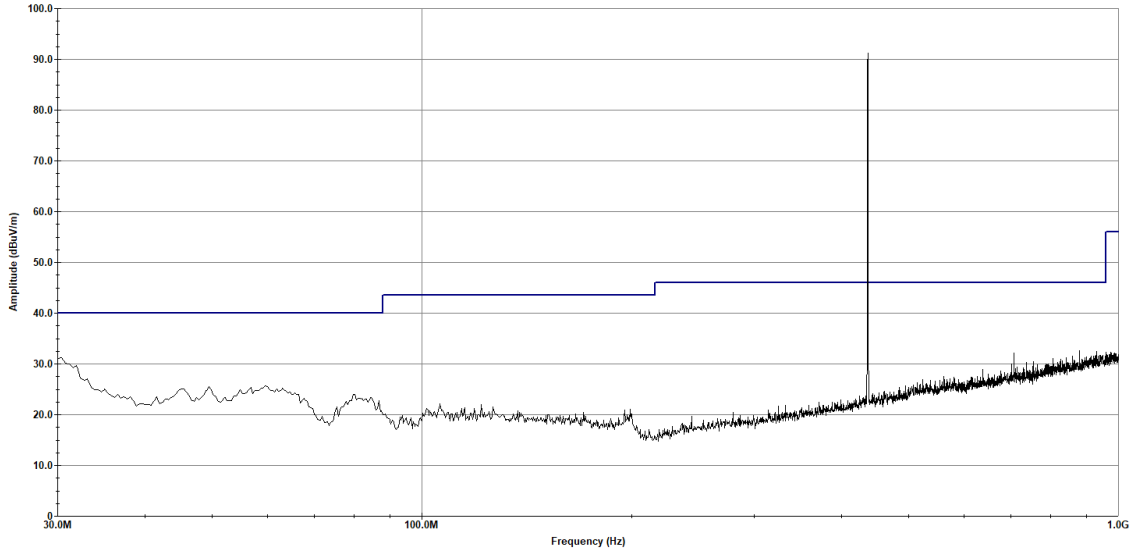
Figure 9. High Channel_Radiated Spurious Emissions_30-1000 MHz_Horizontal Polarization

Customer - Lutron Electronics
 Job Number - 121493
 EUT Name - RF-Enabled Motorized Shade
 Model - 7488 Attrn
 TX Channel - High (436.6MHz)

Eurofins Electrical and Electronic Testing NA, Inc.

Radiated Emissions
 Vertical Polarization

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



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Last Data Update 11:09:00 AM, Thursday, September 01, 2022

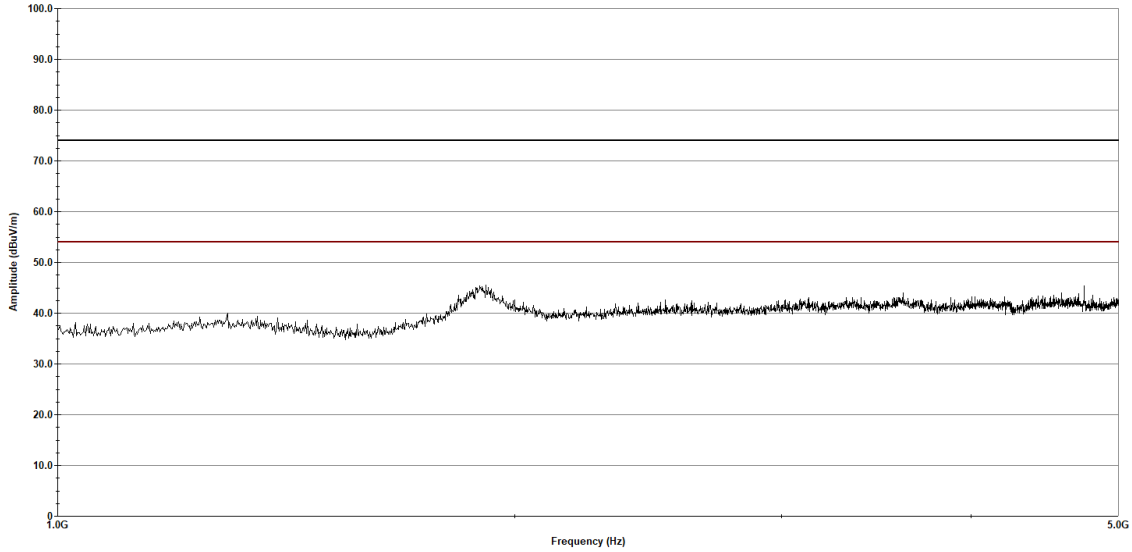
Figure 10. High Channel_Radiated Spurious Emissions_30-1000 MHz_Vertical Polarization

Customer - Lutron Electronics
 Job Number - 121493
 EUT Name - RF-Enabled Motorized Shade
 Model - 748 Attn
 TX Channel - Low (431.5MHz)

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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Last Data Update 02:19:09 PM, Thursday, September 01, 2022

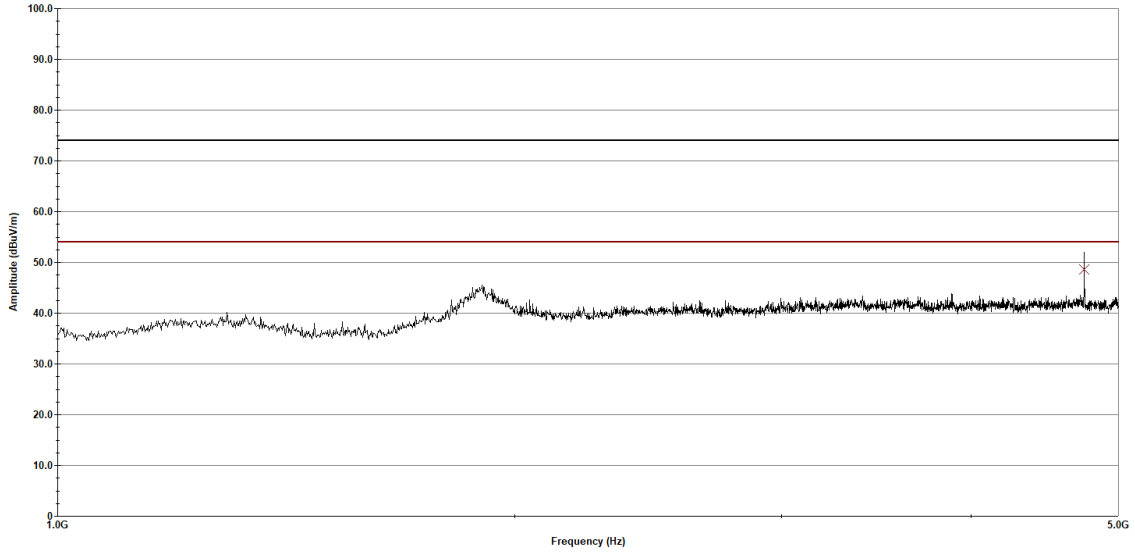
Figure 11. Low Channel_Radiated Spurious Emissions_1-5 GHz_Horizontal Polarization

Customer - Lutron Electronics
 Job Number - 121493
 EUT Name - RF-Enabled Motorized Shade
 Model - 7488 Attrn
 TX Channel - Low (431.5MHz)

Eurofins Electrical and Electronic Testing NA, Inc.

Radiated Emissions
 Vertical Polarization

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



Operator: Donald Salguero

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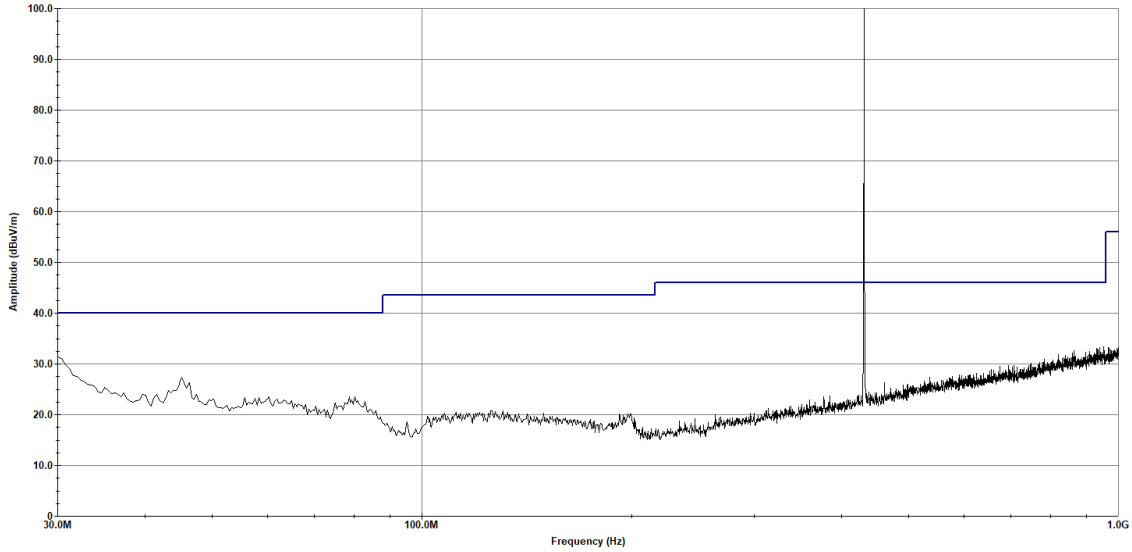
Figure 12. Low Channel_Radiated Spurious Emissions_1-5 GHz_Vertical Polarization

Customer - Lutron Electronics
 Job Number - 121493
 EUT Name - RF-Enabled Motorized Shade
 Model - 7484 Attm
 TX Channel - Low (431.5MHz)

Eurofins Electrical and Electronic Testing NA, Inc.

Radiated Emissions
 Horizontal Polarization

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



Operator: Donald Salguero

Last Data Update 11:21:29 AM, Thursday, September 01, 2022

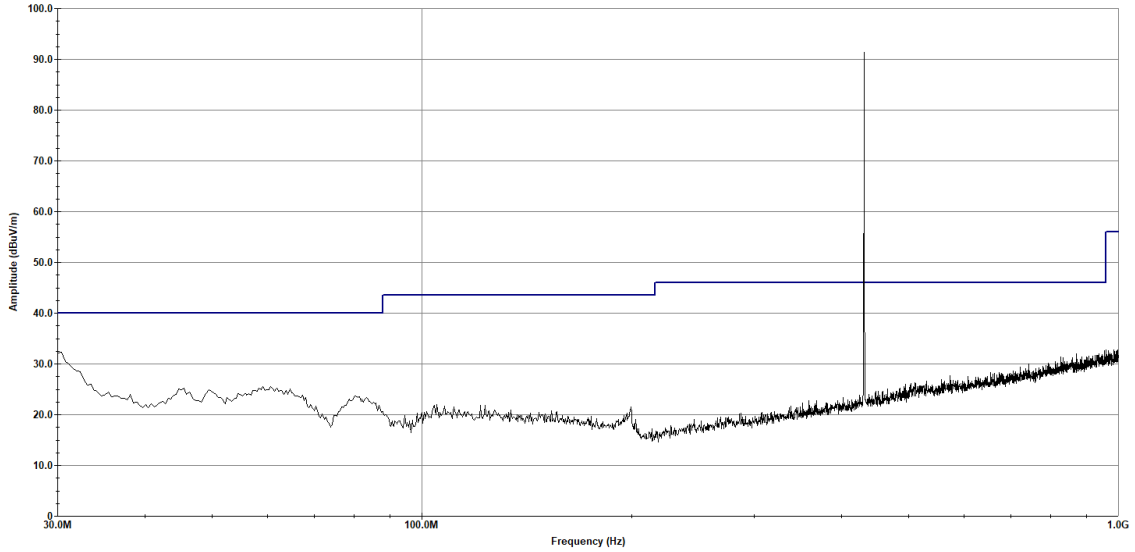
Figure 13. Low Channel_Radiated Spurious Emissions_30-1000 MHz_Horizontal Polarization

Customer - Lutron Electronics
 Job Number - 121493
 EUT Name - RF-Enabled Motorized Shade
 Model - 7485 Attrn
 TX Channel - Low (431.5MHz)

Eurofins Electrical and Electronic Testing NA, Inc.

Radiated Emissions
 Vertical Polarization


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

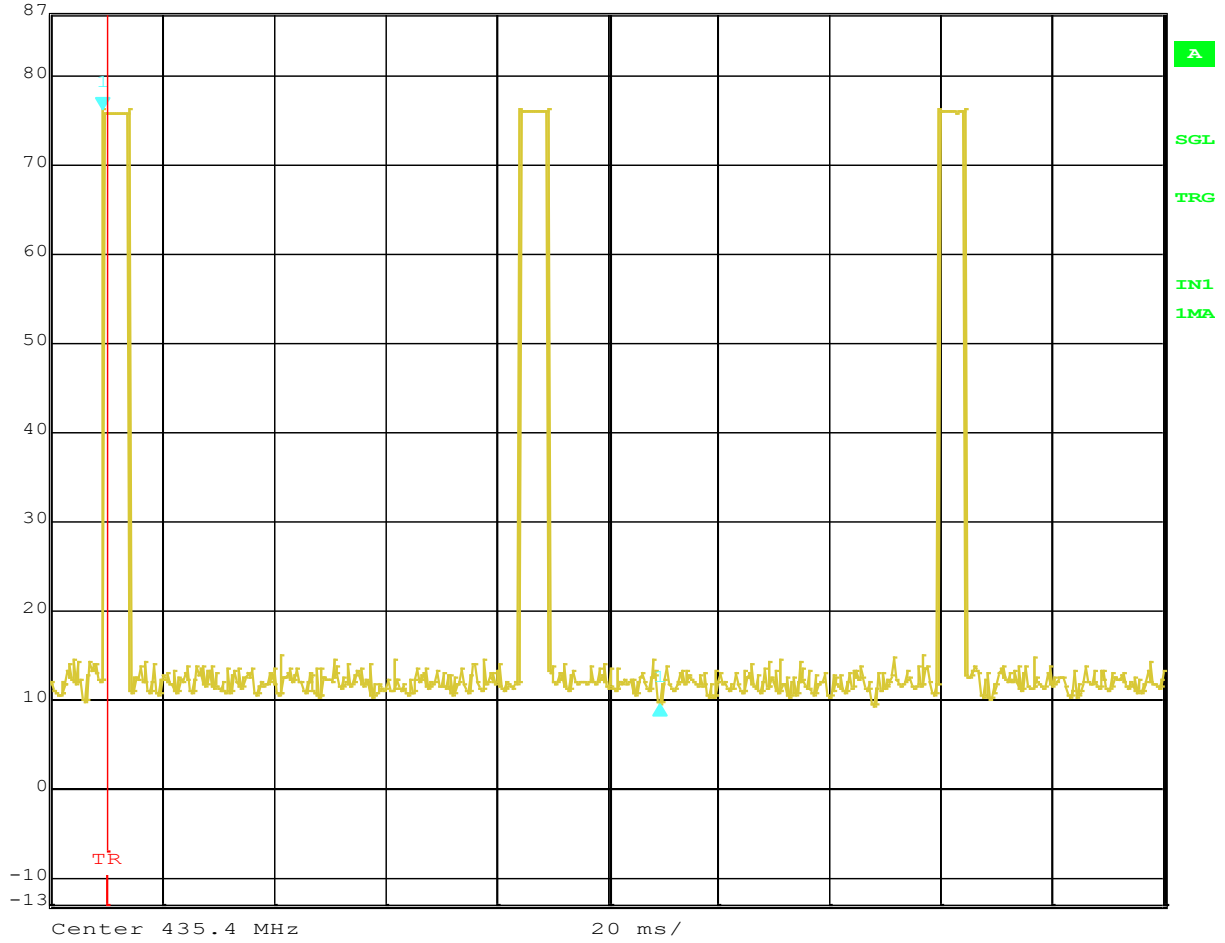


Operator: Donald Salguero

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

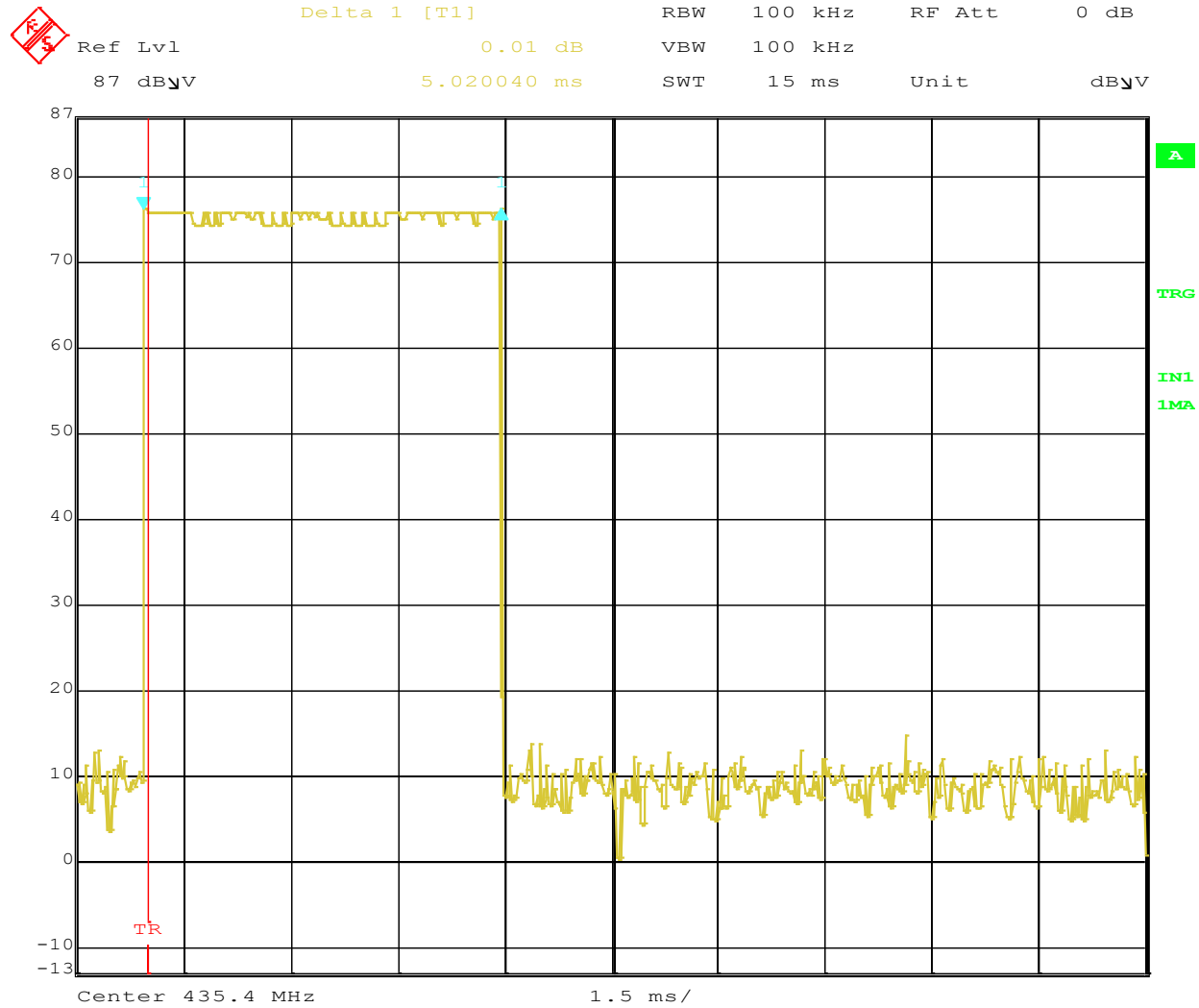
Figure 14. Low Channel_Radiated Spurious Emissions_30-1000 MHz_Vertical Polarization

	Delta 1 [T1]	RBW	100 kHz	RF Att	0 dB
	Ref Lvl	-66.79 dB	VBW	100 kHz	
	87 dB μ V	100.030060 ms	SWT	200 ms	Unit



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

Figure 15. Period



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

Figure 16. Pulse width

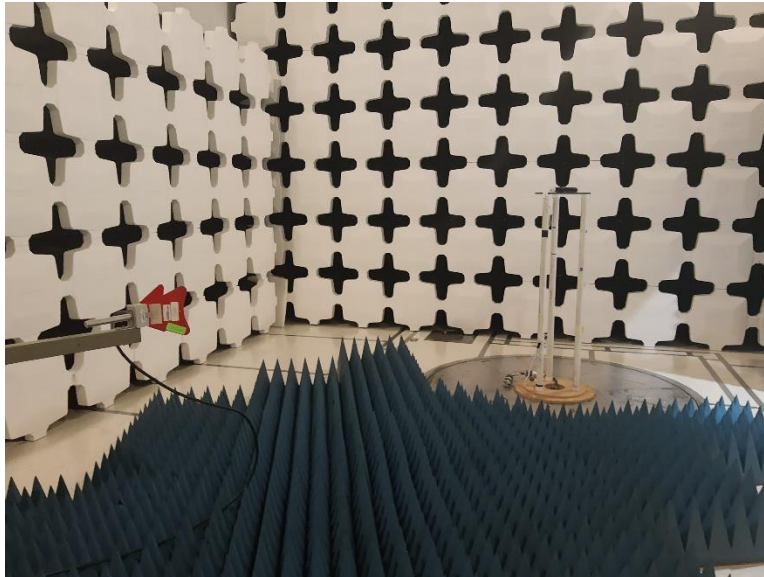


Figure 17. Radiated Emissions - Test Setup, 1-5GHz

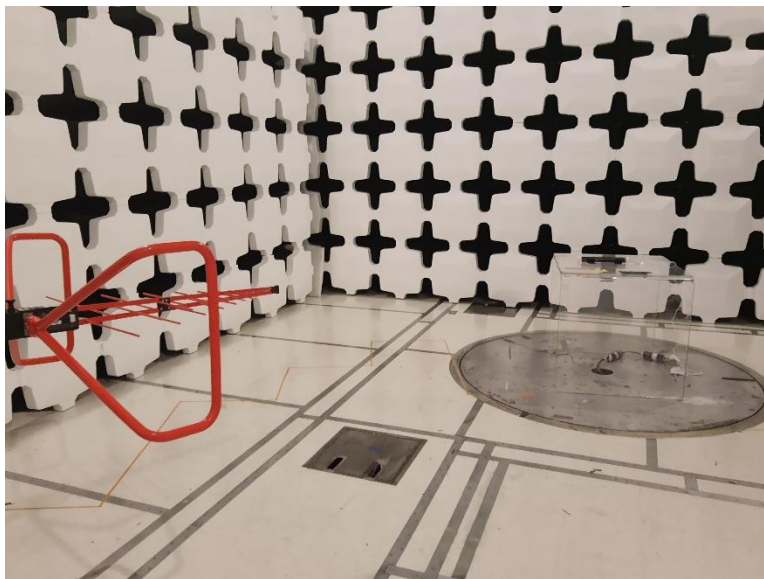


Figure 18. Radiated Emissions - Test Setup, 30-1000MHz

§ 15.231(c) 20 dB Bandwidth

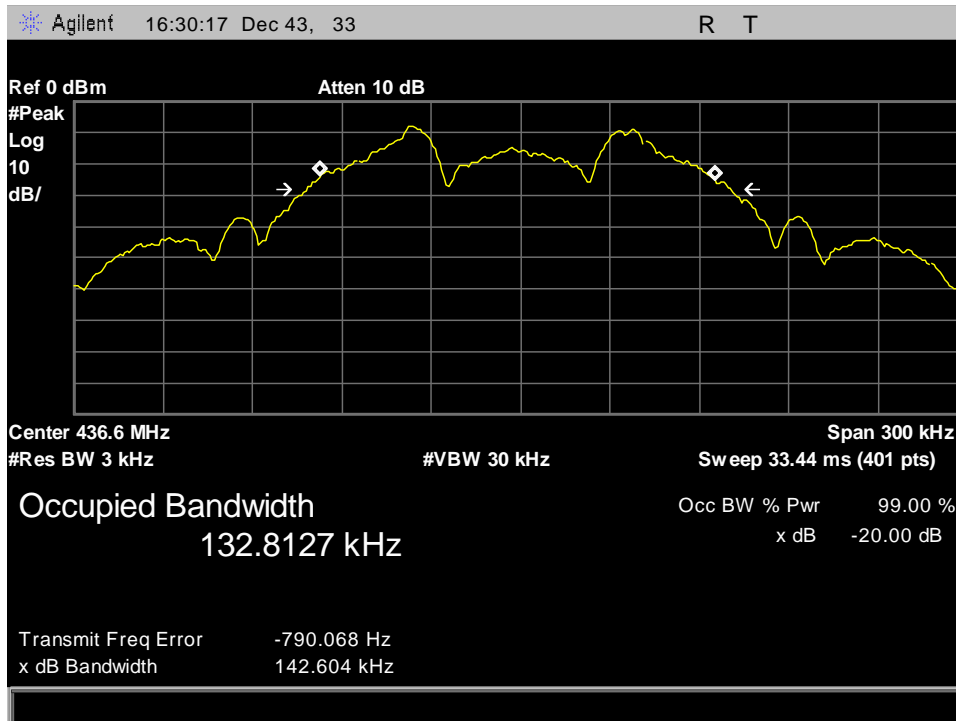


Figure 19. High Channel_OBW_436.6MHz

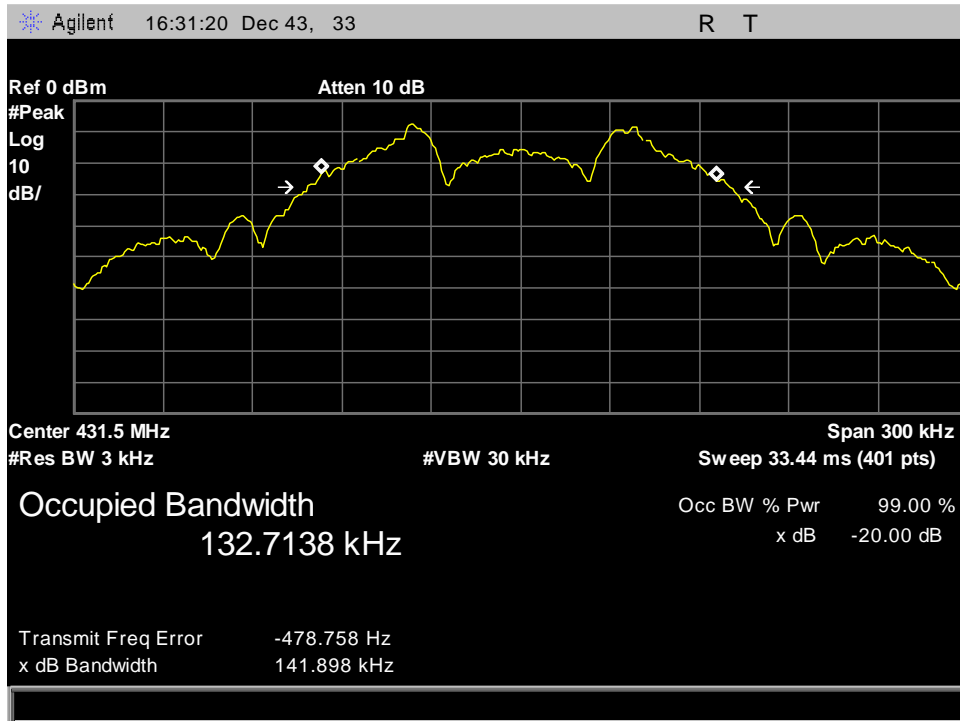


Figure 20. Low Channel_OBW_431.5MHz