

Albert Broadcast Services, Inc.
PO Box 11836
Charlotte, NC 28220-1836
(704) 507-4987

November 18, 2023

Manning Kimmel
WRHM-FM
142 N. Confederate Ave.
Rock Hill, SC 29731

Re: 2023 NRSC Emissions Report for WRHM-FM

Dear Manning:

I am pleased to enclose your 2023 NRSC Equipment Performance Measurement for station WRHM-FM, certifying compliance with the Federal Communications Commission rules and regulations regarding emission requirements.

This document or a copy thereof should be uploaded to the station public file for the station. If I can be of further service, please do not hesitate to contact me directly.

Cordially,

Stu Albert, President

Albert Broadcast Services, Inc.

NRSC Measurements of WRHM-FM
Lancaster, SC

10/18/2023

WRHM-FM Occupied Bandwidth Measurements 10/18/2023

The measurements contained in this report were obtained with the use of an Anritsu Spectrum Analyzer, Model MS2720T serial number 1616060 by Albert Broadcast Services, Inc., Florence, SC on October 18, 2023.

The measurements were taken at a location within 1 km of the WRHM-FM transmission tower in Lancaster, NC well within the 60dBu contour of WRHM-FM.

All measurements were taken with a 1 KHz resolution bandwidth at 3 MHz video bandwidth with a measurement span to allow for accurate averaging of modulation peaks filling the occupied bandwidth, except where noted.

The requirements for FM transmission system occupied bandwidth limitations are outlined in FCC Rules and Regulations, paragraph 73.317. Station WRHM-FM, met the requirements of this rule at the time of this measurement.

Emissions between 120 kHz and 240 kHz were found to be below 25 dB. The Occupied Bandwidth emission products within this range totaled no more than 186.025 KHz. Emissions between 240 kHz and 600 kHz were measured under 35 dB and emissions greater than 600 kHz removed from the un-modulated carrier were greater than 80 dB down from the carrier reference.

Steward R. Albert, President
Albert Broadcast Services, Inc.

Ref Lvl

9.7 dBm

Input Atten

30.0 dB

Detection

Peak

#RBW

1 kHz

#VBW

1 MHz

Sweep Time

100 ms

Traces

A: Max Hold

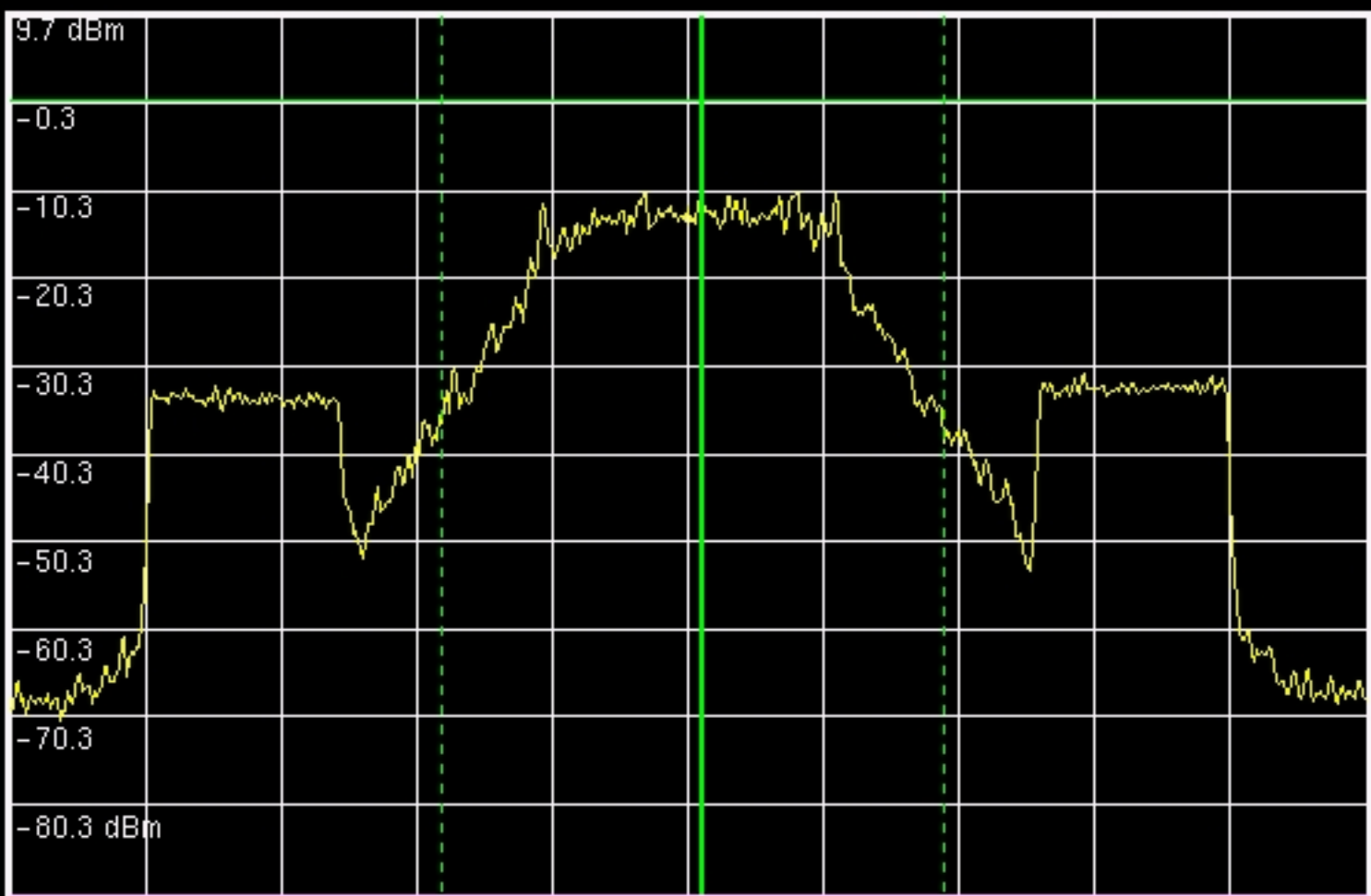
B: Trace Hold

Sweep (Fast)

Continuous

Freq Ref

Int Std Accy



106.850 MHz **Center** 107.100 MHz 107.350 MHz
Span 500.000 kHz

Occ BW dB Down

> dBc 25 Occ BW: 186.025 kHz **Pass**
 Measured : 98.75 %

- Restore
- Default Quick Name Buttons
- Change
- Quick Name
- Change
- Save Location
- Change Type
- Setup/JPEG/...

Freq	Amplitude	Span	BW	Marker
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Ref Lvl
6.5 dBm

Input Atten
30.0 dB

Detection
RMS/Avg

#RBW
1 kHz

#VBW
1 MHz

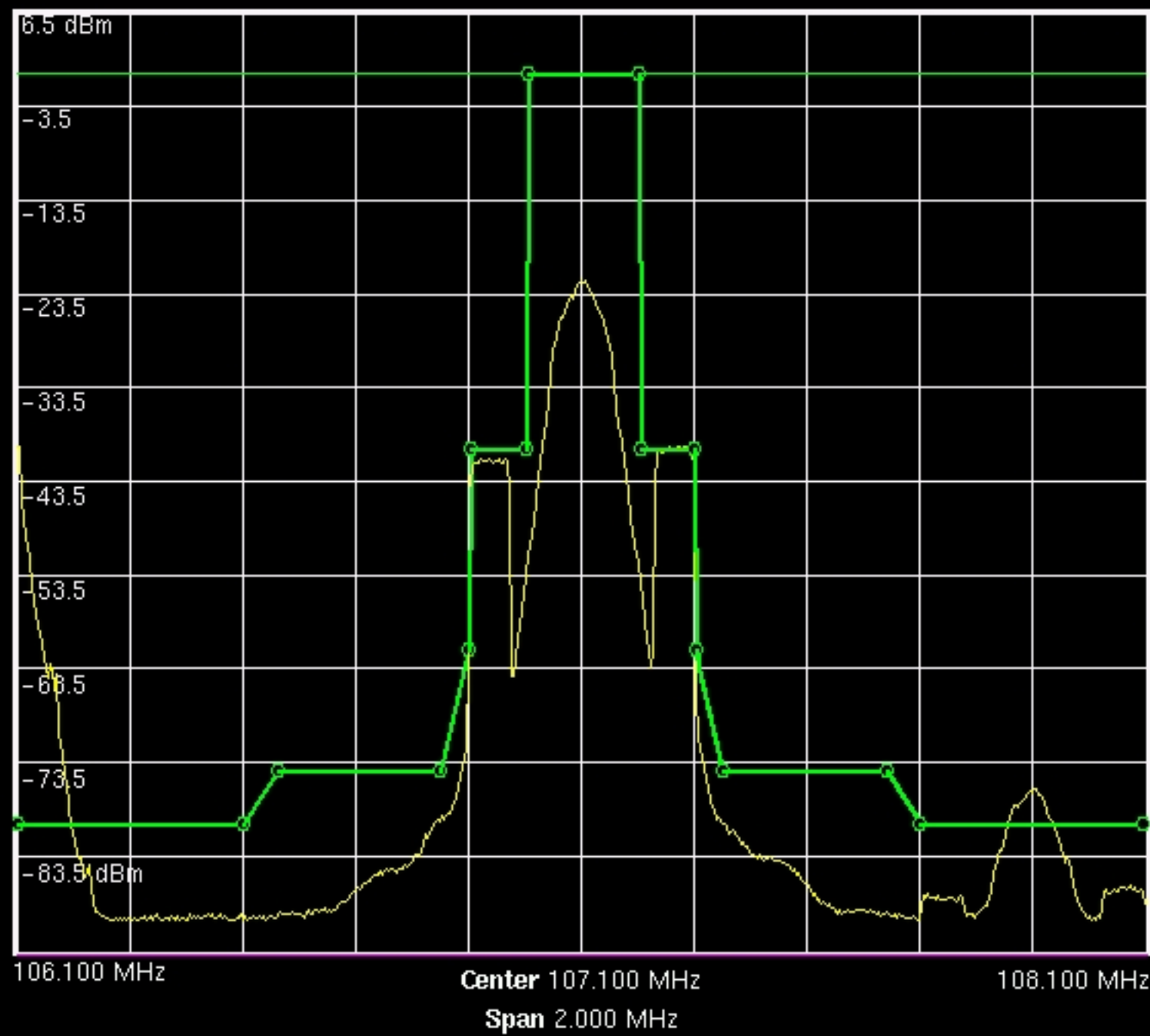
Sweep Time
67 ms

Traces
A: Average
B: Trace Hold

Trace Count
100/100

Sweep (Fast)
Continuous

Freq Ref
Int Std Accy



- Restore
- Default Quick Name Buttons
- Change
- Quick Name
- Change
- Save Location
- Change Type
- Setup/JPEG/...

Freq	Amplitude	Span	BW	Marker
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Ref Lvl
10.0 dBm

Input Atten
30.0 dB

Detection
Peak

#RBW
1 kHz

#VBW
1 MHz

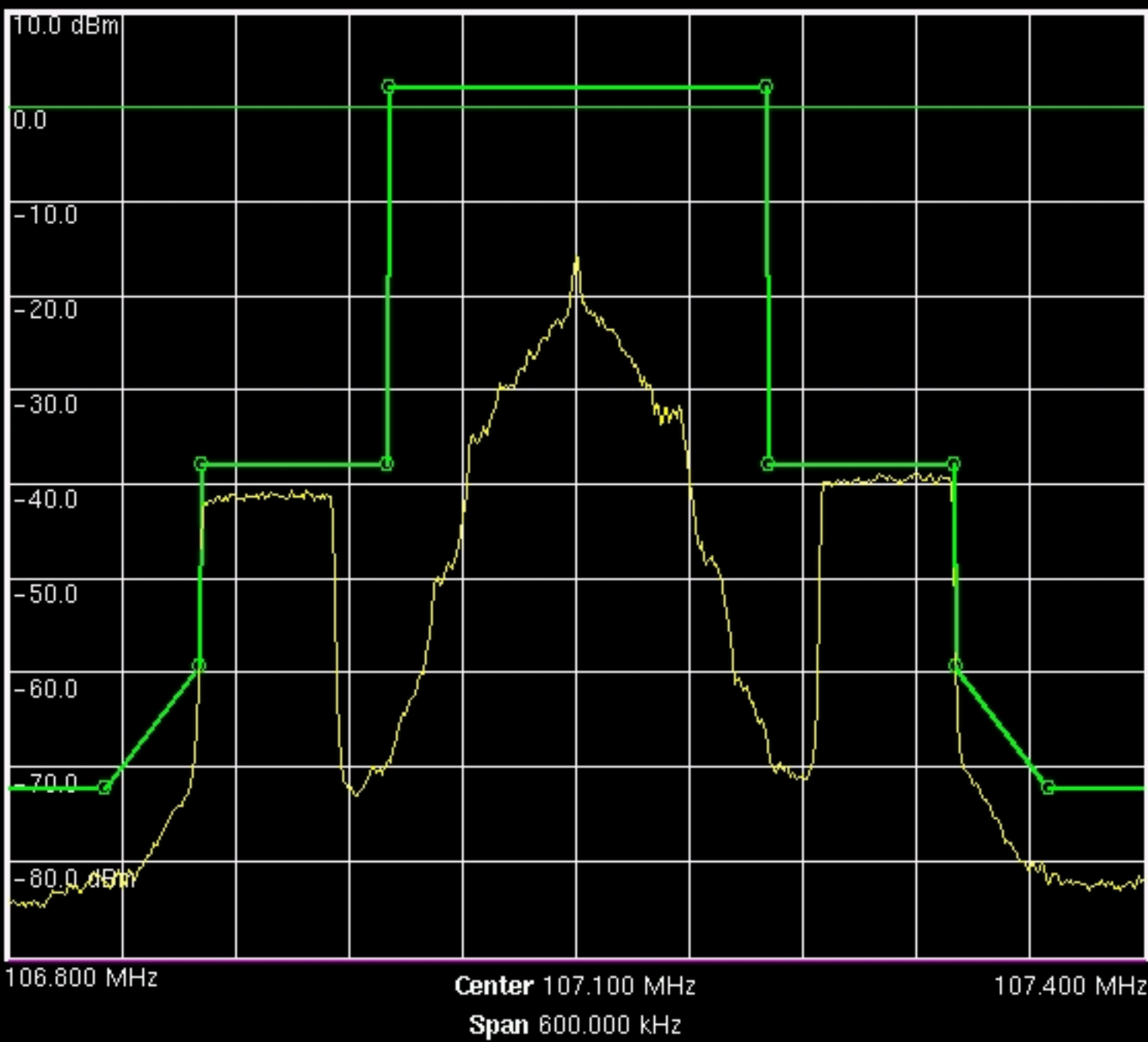
Sweep Time
50 ms

Traces
A: Average
B: Trace Hold

Trace Count
100/100

Sweep (Fast)
Continuous

Freq Ref
Int Std Accy



- Restore
- Default Quick Name Buttons
- Change
- Quick Name
- Change
- Save Location
- Change Type
- Setup/JPEG/...

Freq	Amplitude	Span	BW	Marker
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Ref Lvl
10.0 dBm

Input Atten
30.0 dB

Detection
Peak

#RBW
1 kHz

#VBW
1 MHz

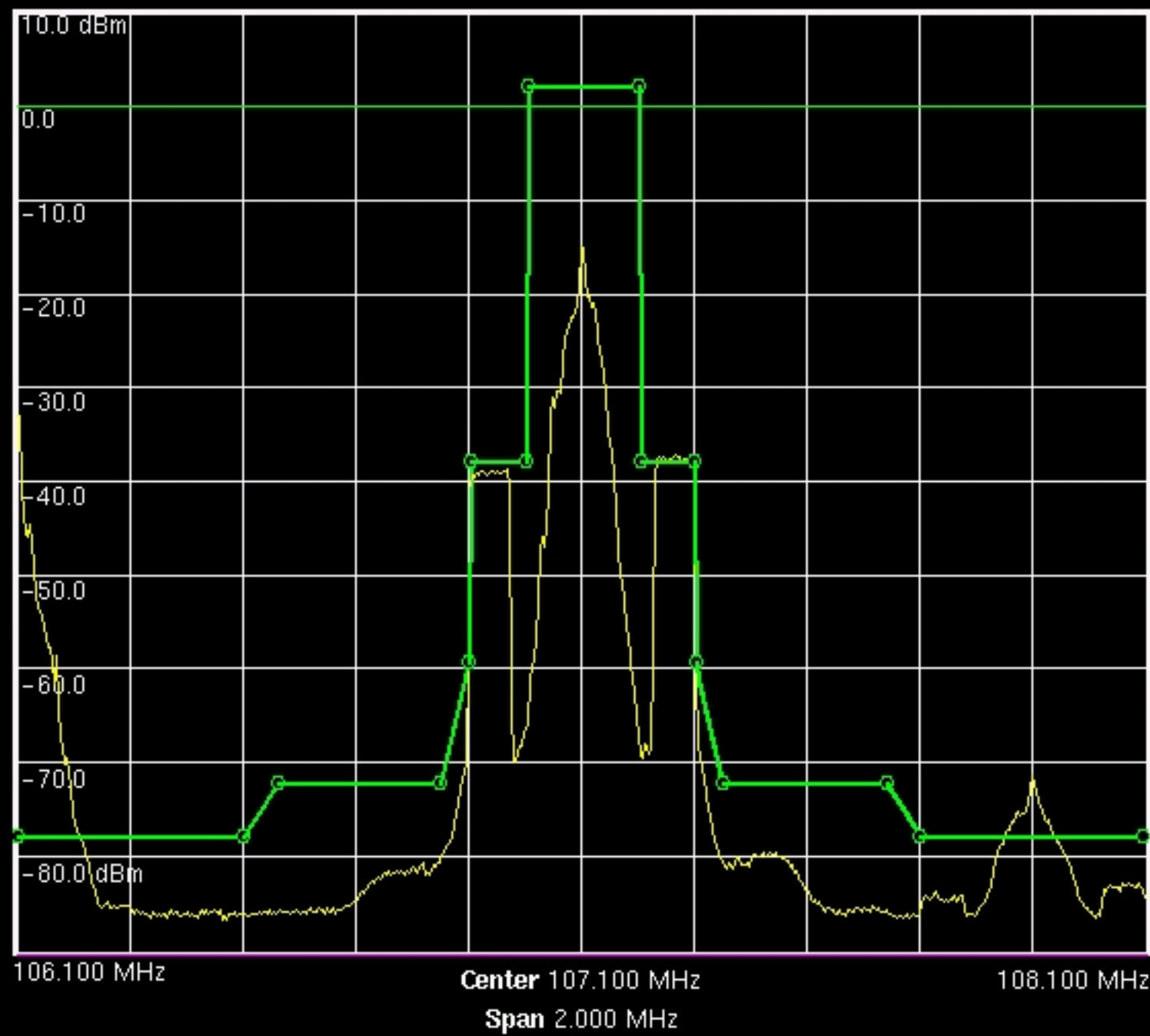
Sweep Time
50 ms

Traces
A: Average
B: Trace Hold

Trace Count
100/100

Sweep (Fast)
Continuous

Freq Ref
Int Std Accy



- Restore
- Default Quick Name Buttons
- Change
- Quick Name
- Change
- Save Location
- Change Type
- Setup/JPEG/...

Freq	Amplitude	Span	BW	Marker
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Ref Lvl
10.0 dBm

Input Atten
30.0 dB

Detection
Peak

#RBW
300 Hz

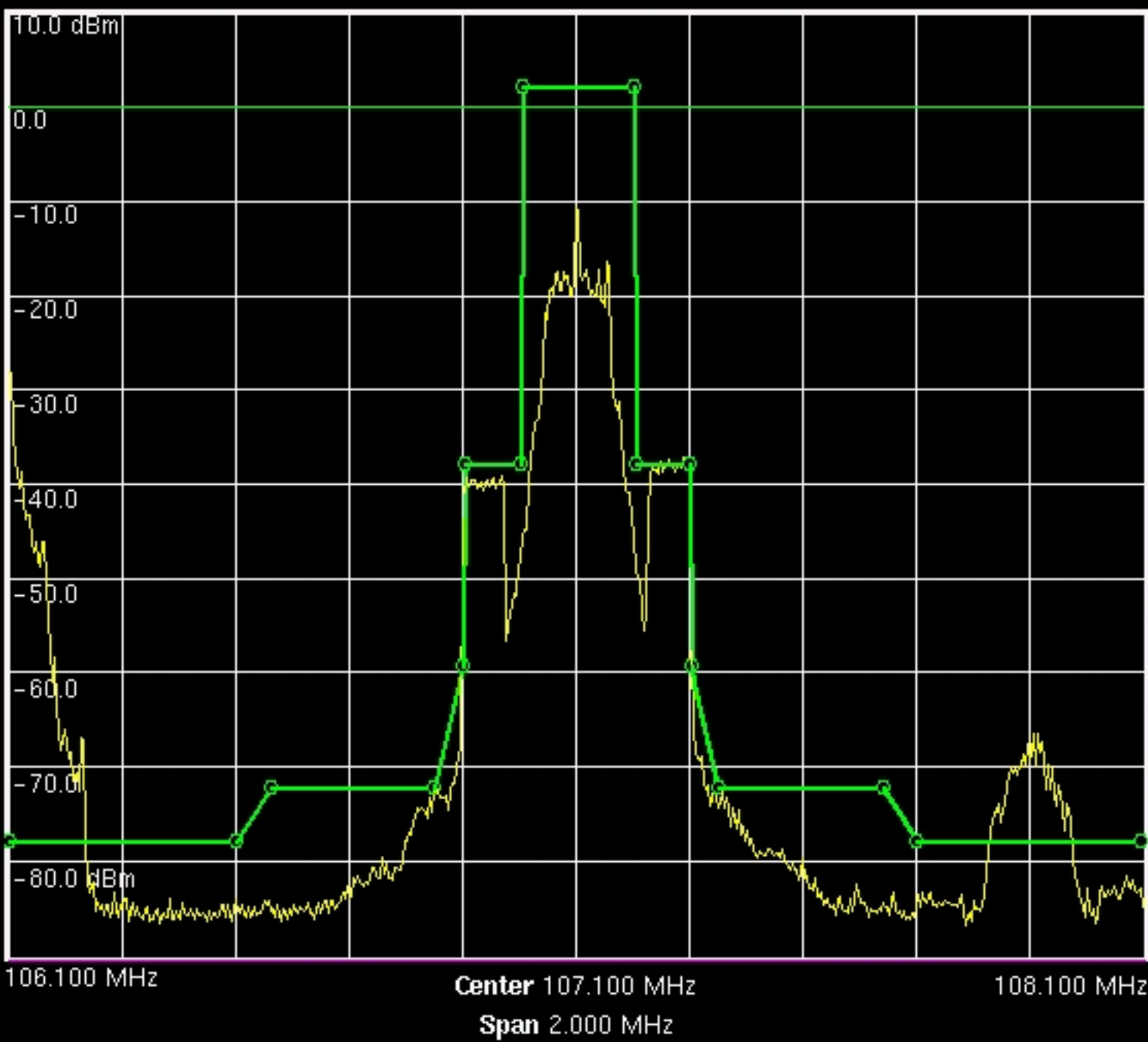
#VBW
3 MHz

Sweep Time
333 ms

Traces
A: Max Hold
B: Trace Hold

Sweep (Fast)
Continuous

Freq Ref
Int Std Accy



- Restore
- Default Quick Name Buttons
- Change
- Quick Name
- Change
- Save Location
- Change Type
- Setup/JPEG/...

Freq	Amplitude	Span	BW	Marker
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