

EQUIPMENT PERFORMANCE MEASUREMENTS

Station: ~~WDBH~~ [✓] AM
Gainesville

980 KHz

Date: May 3 2017

IN GENERAL

These pages document the procedures and results of the measurements required by 73.1590 and 73.44 of the Commission's rules to demonstrate compliance for in-band emissions (NRSC-2) and harmonic content by the above radio station.

MEASUREMENT PROCEDURE

A swept frequency spectrum analyzer with a bandwidth resolution of 300 Hz or better using a peak hold duration of 10 minutes was used for this measurement. The signal was received off air by use of an untuned loop antenna at a distance of about 1 Km from the station.

In-band emissions removed from the carrier by more than 40 KHz, as well as all checks for harmonic content were made using a field intensity meter. The station was broadcasting normal programming consistent with their format during the test period. All measurements were made during daylight hours for all modes of operation.

EQUIPMENT LIST

Spectrum analyzer..... IFR A-7550
Field intensity meter.....Potomac FIM-41
Loop Antenna.....Home made

TECHNICAL QUALIFICATIONS

The undersigned can attest to the accuracy of the measurements, made NRSC measurements for many stations in 1994-2017, and has served as a broadcast technician for 35+ years.

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Casselberry, FL 32707

Donald Charles Hildesheim
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D.C. Technical Services

A-7550

10.0

980.00

300

WDBH ✓

05/03/2017

dBm

kHz/Div

kHz

Hz Res

0

930.00

1030.00

-10

-20

-30

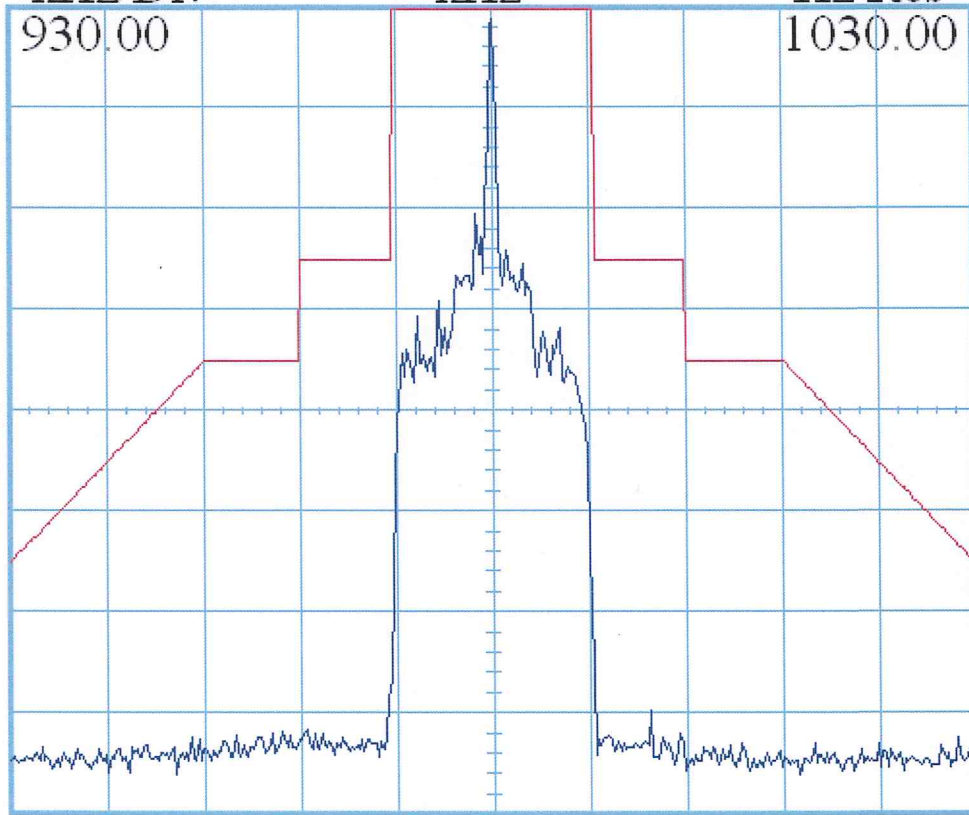
-40

-50

-60

-70

-80



20 dB Attn

Gen --- dBm

500 mSecs

8 dB IF Gain

Video Filter: 0 kHz

Peak Freq: 0.9801

Peak Level: -19.17

D.C. Technical Services

A-7550

20.0

980.00

300

WDBH

05/03/2017

dBm

kHz/Div

kHz

Hz Res

0

880.00

1080.00

-10

-20

-30

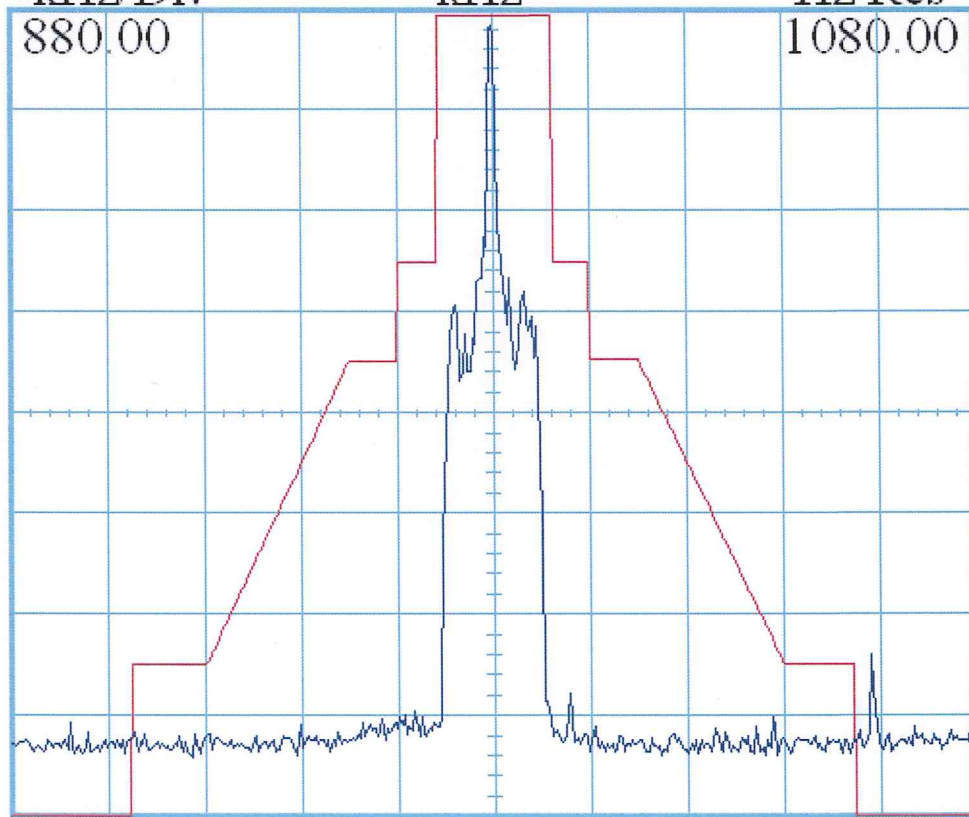
-40

-50

-60

-70

-80



20 dB Attn

Gen --- dBm

500 mSecs

8 dB IF Gain

Video Filter: 0 kHz

Peak Freq: 0.9797

Peak Level: -19.5

EQUIPMENT PERFORMANCE

station: ~~WDEH~~^V

Date: 5-3-17

73.44 (b) ATTENUATION OF EMISSIONS BELOW UNMODULATED CARRIER

BEYOND 75 KHz 43+10 LOG (pwr/watts) OR 80dB

USING AN FIM-41, TUNED ABOVE AND BELOW CARRIER FREQUENCY TO CHECK FOR IN-BAND SPLATTER

IN-BAND	(535 to 1705 KHz)	measured	None
HARMONICS	2 nd 1960 kHz	measured	-87dB
	3 rd 2940 kHz	measured	-84dB
	4 th 3920 kHz	measured	None
	5 th 4900 kHz	measured	None