

EQUIPMENT PERFORMANCE MEASUREMENTS

Station: WACC AM

830 KHz

Date: October 21, 2016

Miami

1kw, DA-2

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.....	LP-3

TECHNICAL QUALIFICATIONS

The undersigned can attest to the accuracy of the measurements, made NRSC measurements for many stations in 1994-2016, and has served as a broadcast technician for 35+ years.

D.C. TECHNICAL SERVICES
360 S. Triplet Lake Dr.
Casselberry, FL 32707


DONALD CHARLES HILDESHEIM

D.C. Technical Services

A-7550

10.0

830.00

300

WACC - E

10/21/2016

dBm

kHz/Div

kHz

Hz Res

0

780.00

880.00

-10

-20

-30

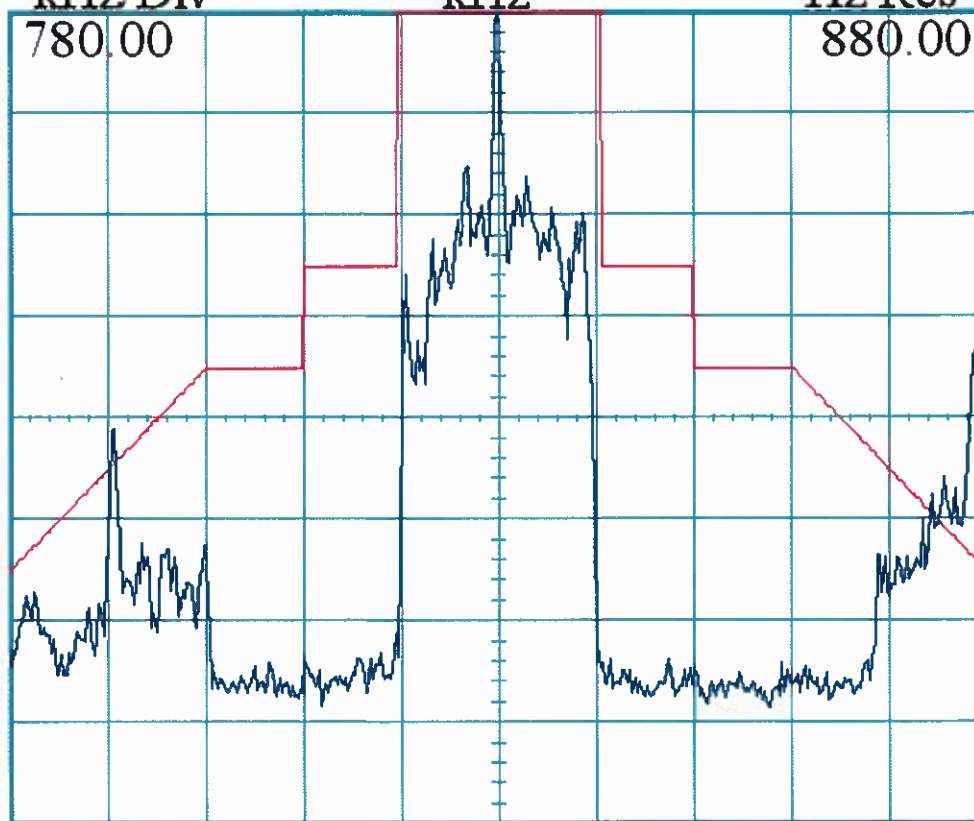
-40

-50

-60

-70

-80



10 dB Attn

Gen --- dBm

500 mSecs

15 dB IF Gain

Video Filter: 0 kHz

Peak Freq: 0.8299

Peak Level: -34.17

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A-7550

20.0

830.00

300

WACC - D

dBm

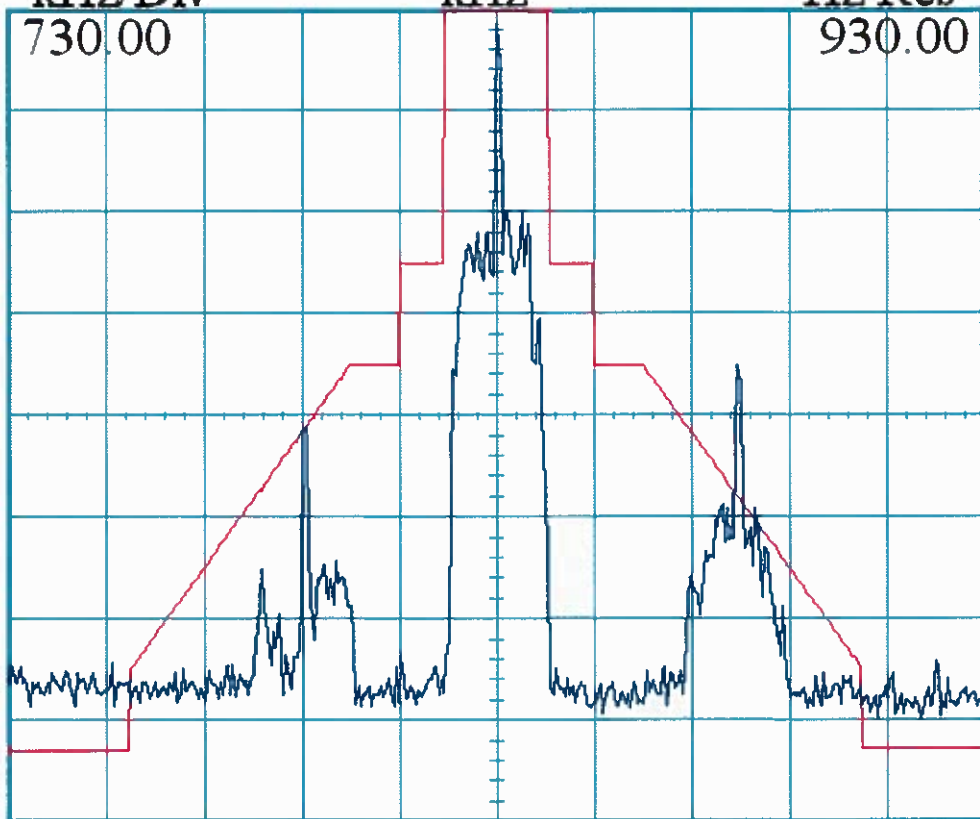
kHz/Div

kHz

Hz Res

10/21/2016

0



10 dB Attn

Gen --- dBm

500 mSecs

15 dB IF Gain

Video Filter: 0 kHz

Peak Freq: 0.8303

Peak Level: -36.33

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A-7550

10.0

830.00

300

WACC - N

dBm

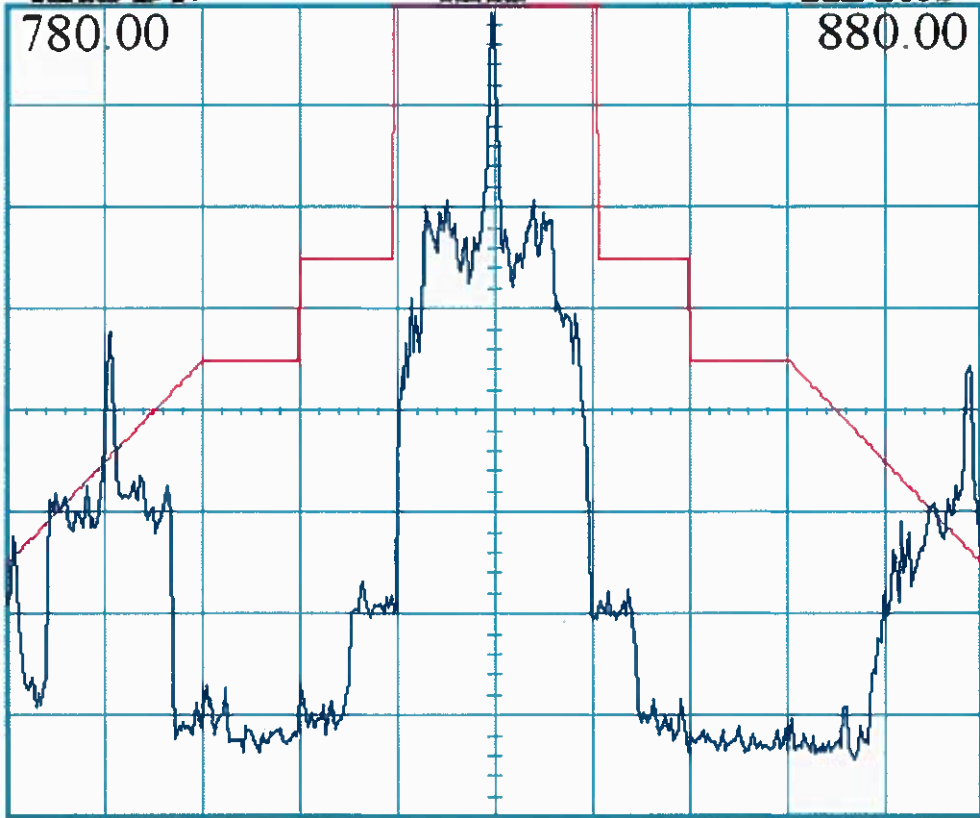
kHz/Div

kHz

Hz Res

10/21/2016

0



10 dB Attn

Gen --- dBm

500 mSecs

7 dB IF Gain

Video Filter: 0 kHz

Peak Freq: 0.8296

Peak Level: -27.67

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A-7550

20.0

830.00

300

WACC - N

dBm

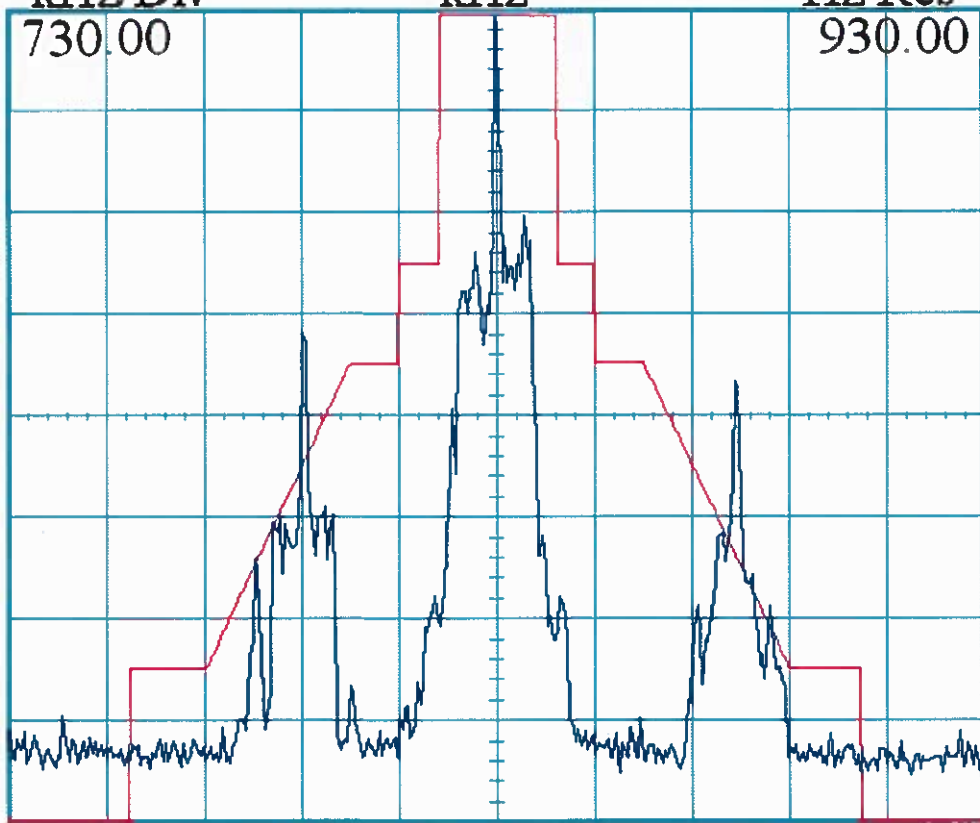
kHz/Div

kHz

Hz Res

10/21/2016

0



10 dB Attn

Gen --- dBm

500 mSecs

7 dB IF Gain

Video Filter: 0 kHz

Peak Freq: 0.8297

Peak Level: -27.83

EQUIPMENT PERFORMANCE station: WACC

date: 10-21-16

A notch filter was used to minimize interference from the co-located station in the spectral analysis.

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

DAY

IN-BAND	(535 to 1705 KHz)	measured	None	
HARMONICS	2nd	1660 KHz	measured	None
	3rd	2490 KHz	measured	-81dB
	4th	3320 KHz	measured	-94dB
	5 th	4150 Khz	measured	None

NIGHT

IN-BAND	(535 to 1705 KHz)	measured	None	
HARMONICS	2nd	1660 KHz	measured	None
	3rd	2490 KHz	measured	-79dB
	4th	3320 KHz	measured	-98dB
	5 th	4150 Khz	measured	None