

FM Spurious Emission Tests

K234CY 94.7

Alexandria, LA

250 Watts ERP

K265FB 100.9

Alexandria, LA

250 Watts ERP

K285HF 104.9

Alexandria, LA

250 Watts ERP

July 27, 2021

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Spurious Emission Test

Introduction

This document demonstrates compliance with the FCC Rules and Regulation 47 C.F.R. Sections 73.317(b) through 73.317(d). This rule section requires compliance of Broadcast Transmission Specifications as stipulated under Special Operating conditions or restrictions on Construction Permit. According to this stipulation, a station must show that it meets this specification by measurement.

Test Procedure

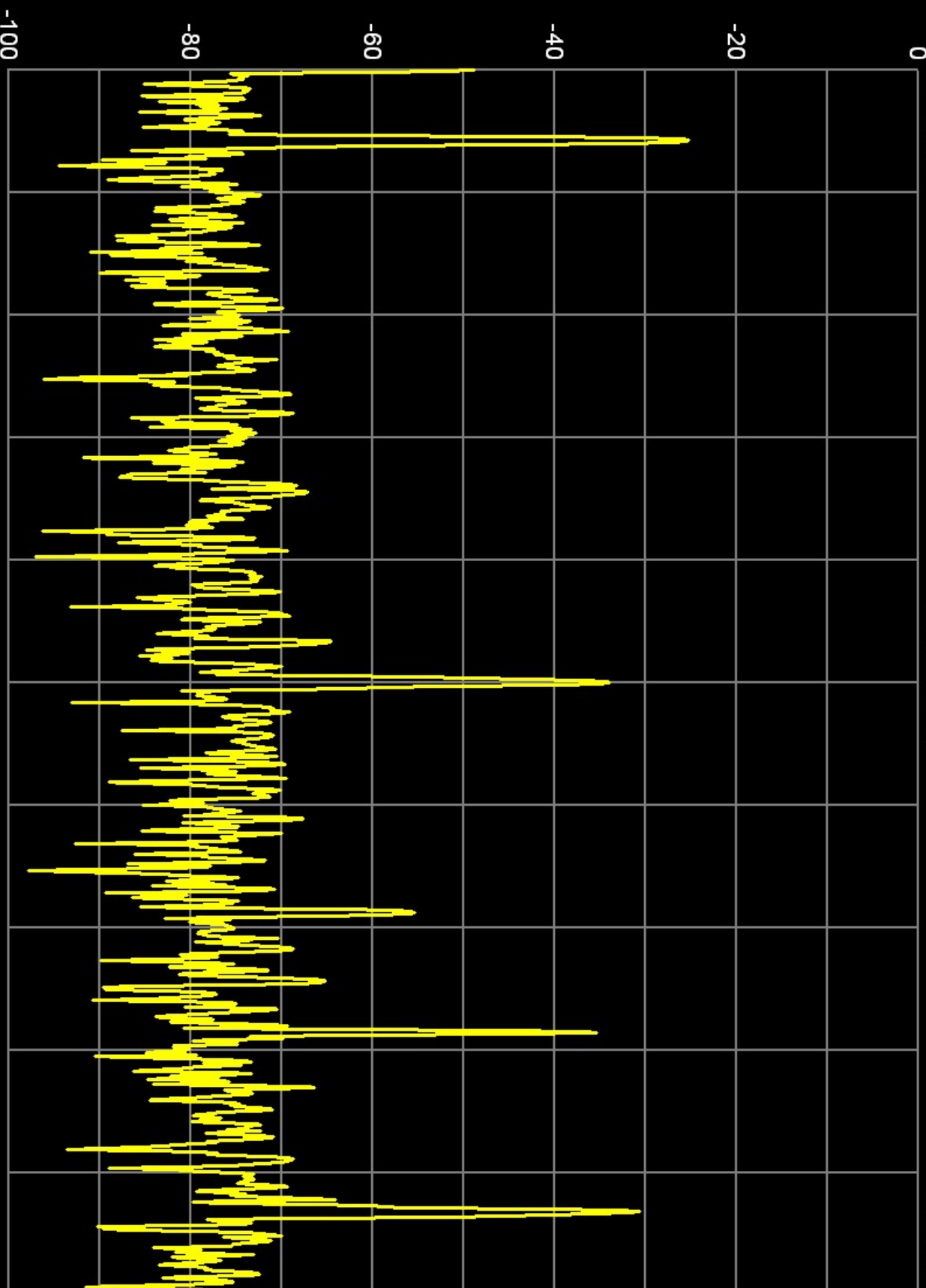
On July 27, 2021 an FM transmission system emission test was performed on K234CY 94.7 MHz and K265FB, 100.9 MHz and K285HF 104.9 MHz licensed to Alexandra, LA. The stations were tested at full power (250 watts ERP). The controls on the spectrum analyzer were set according to the requirements of Part 73.317. Also other testing with carrier and minus carrier were tested and no interference or inter-modulation present.

Test Results and Conclusions

Stations met all requirements as set forth in FCC Rules and Regulations Part 73.317. Further tests not required by this rule were completed on the higher harmonics of stations. The second harmonic attenuation meets all FCC requirements and all higher harmonics are attenuated well within all FCC requirements.

Tony L. Evans

Broadcast Engineering

REF 0.0 dBm
10 dB/divRBW 50 KHz
ATTEN 10 dBVBW ---
INT REFFrequency Controls
CENTER START
STEP STOPSpan Controls
SET SPAN ZERO SPAN
FULL SPANAmplitude Controls
ATTEN
REF LEVEL dB/div LINMarker 1 Controls
PEAK SEARCH UPDATE ON
DELTA OFF
MKR to CF MKR to REF LVLRes BW 100 KHz
Video BW 50 KHz
25 KHz
6.5 KHz
AUTO
MIN & MAX
MIN ONLY
MAX ONLY
AVERAGE
POWER
VOLTAGE
LOG
BYPASSSweep Time
SLOW MED FAST
Image Rejection ONTrace Controls
NORMAL MAX HOLDTrigger Controls
CONTINUOUS SINGLE
FREE RUN VIDEO

PRESET

REF 0.0 dBm

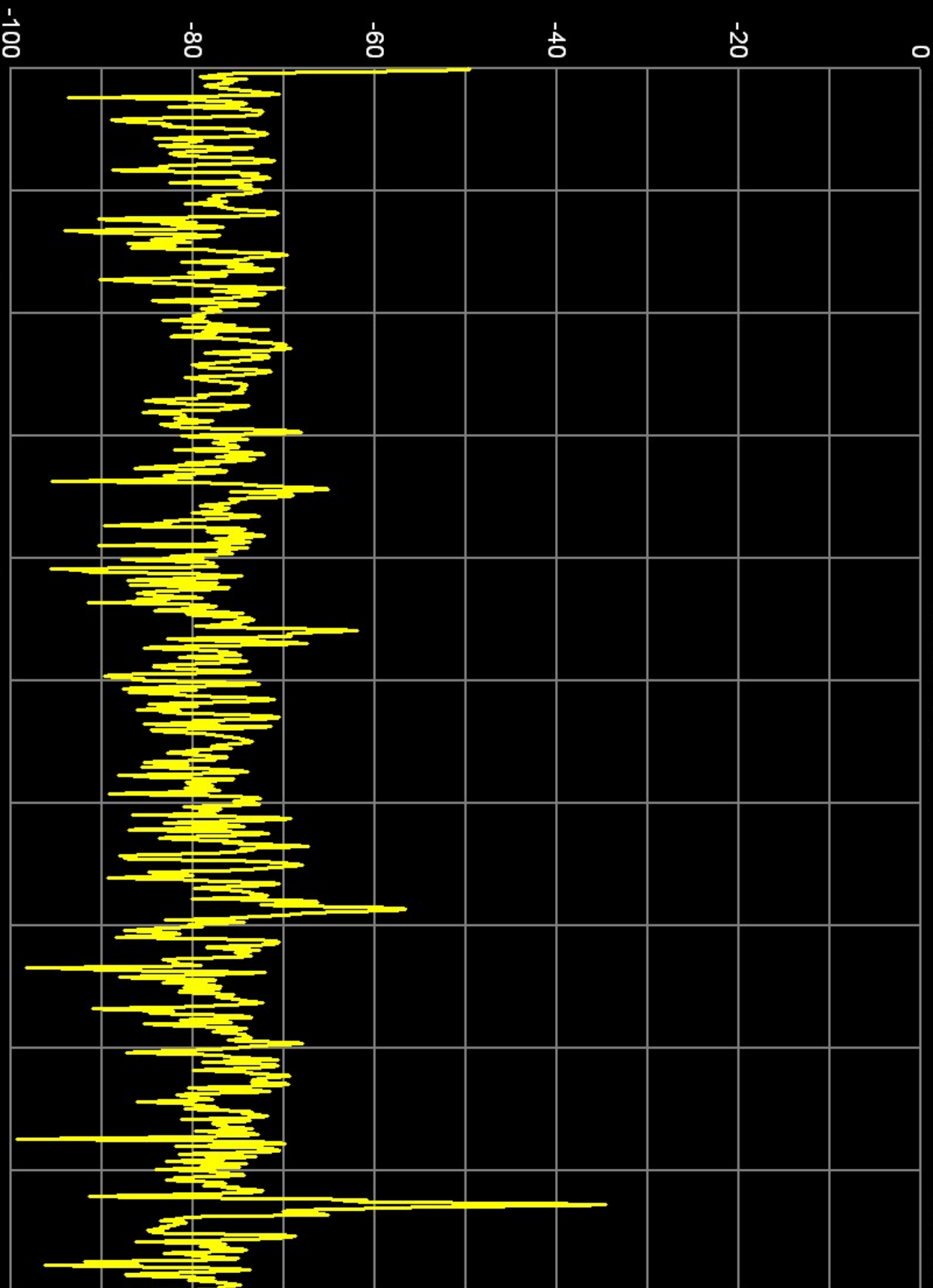
10 dB/div

RBW 50 KHz

ATTEN 10 dB

VBW ---

INT REF



START 93.90000 MHz

CENTER 100.900 MHz

SPAN 14.000 MHz

STOP 107.90000 MHz

SWP 547.0 msec

Frequency Controls
CENTER START
STEP STOPSpan Controls
SET SPAN ZERO SPAN
FULL SPANAmplitude Controls
ATTEN
REF LEVEL dB/div LINMarker 1 Controls
PEAK SEARCH UPDATE ON
DELTA OFF
MKR to CF MKR to REF LVLRes BW 100 KHz
Video BW 50 KHz25 KHz
6.5 KHz
13 KHz

AUTO AUTO

MIN & MAX
MIN ONLY
MAX ONLY
AVERAGE
POWER
VOLTAGE
LOG
BYPASSSweep Time
SLOW MED FAST
Image Rejection ONTrace Controls
NORMAL MAX HOLDTrigger Controls
CONTINUOUS SINGLE
FREE RUN VIDEO

PRESET