



APPLICANT : R.L. Drake Company
FCC ID: CAR1002105
CONFIRMATION NO: EA94071
MODIFICATION : Change R5 from 3.9 k to 7.5 k Ohms.

Test Procedure:

For all test, Modulated Carrier with a 2.5 kHz tone.

For Plots# 1-3 set display line at 43.5dBuV and using delta marker functions measured the 200kHz bandwidth. Plots for the frequencies close to the restricted band were made only.

For Plot# 4-5, 8, and 11-12 set display line 20 dB down from fundamentals peak.

For Plots# 6-7 and 9-10 set display line at 43.5dBuV and using marker function set it to where the restricted frequency begins or ends. Marker shows that the restricted bandedge of the fundamental are below the 43.5 dBuV limit line.

Test Result:

Plot# 1: Section 15.237(b): set TX to 72.9 MHz and measured the 200 kHz bandwidth.

Plot# 2: Section 15.237(b): set TX to 74.7 MHz and measured the 200 kHz bandwidth this covers both 74.6 and 74.8 MHz restricted band.

Plot# 3: Section 15.237(b): set TX to 75.3 MHz and measured the 200 kHz bandwidth.

Plot# 4: Low channel 72.1 MHz bandedge measurement.

Plot# 5: High channel 72.9 MHz bandedge measurement.

Plot# 6: Restricted Bandedge measurement set Tx unit to 72.9 MHz, which falls in the 73 MHz.

Plot# 7: Restricted Bandedge measurement, set Tx unit to 74.7 MHz, which falls in the 74.6 MHz.

Plot# 8: Middle channel 74.7 MHz bandedge measurement.

Plot# 9: Restricted Bandedge measurement, set Tx unit to 74.7 MHz, which falls in the 74.8 MHz.

Plot# 10: Restricted Bandedge measurement, set Tx unit to 75.3 MHz, which falls in the 75.2 MHz.

Plot# 11 Low channel 75.3 MHz bandedge measurement.

Plot# 12: High channel 75.9 MHz bandedge measurement.

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25kHz TONE

PLOT #1

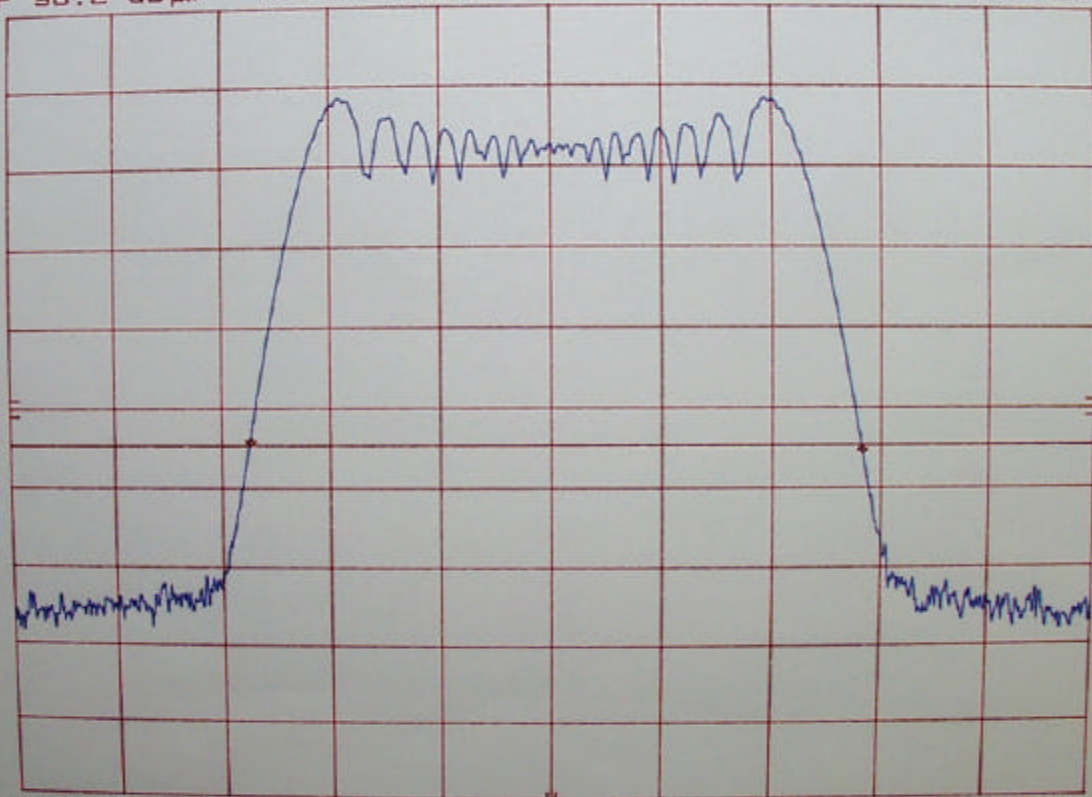
hp REF 98.2 dB μ W ATTEN 10 dB

MKR Δ 194.3 kHz
-1.10 dB

10 dB/

OFFSET
8.2
dB

DL
43.5
dB μ W



CENTER 72.8996 MHz
RES BW 3 kHz

VBW 3 kHz

SPAN 349.4 kHz
SWP 100 msec

25kHz TONE

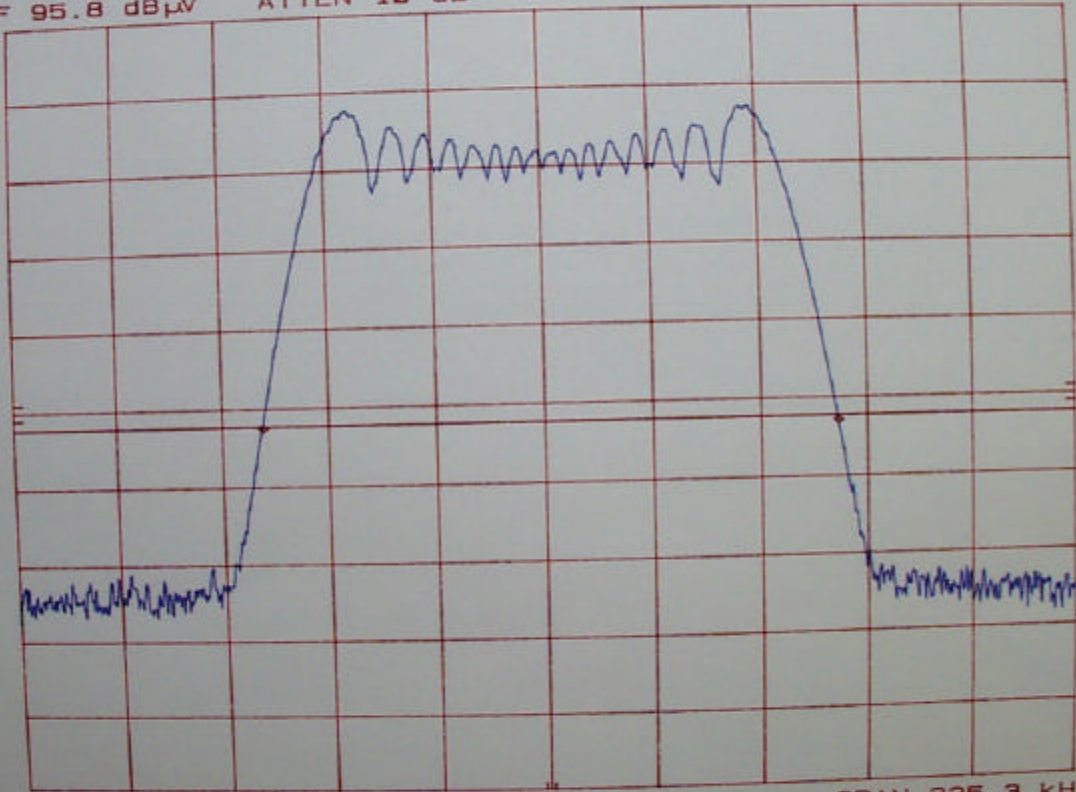
PLOT#2

hp REF 95.8 dB μ V ATTEN 10 dB
10 dB/

MKR Δ 173.7 kHz
-.40 dB

OFFSET
8.8
dB

DL
43.5
dB μ V



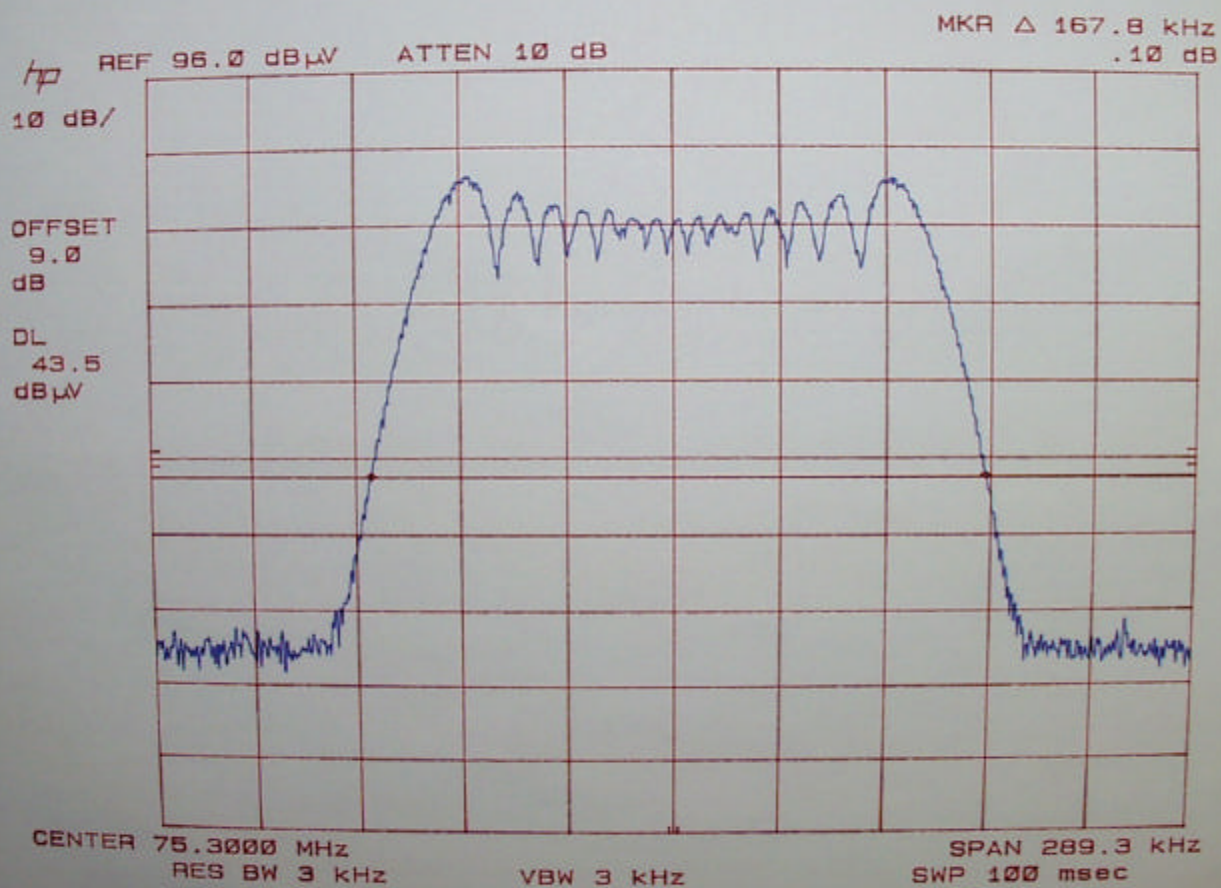
CENTER 74.7000 MHz
RES BW 3 kHz

VBW 3 kHz

SPAN 325.3 kHz
SWP 100 msec

25 kHz TONE

Plot #13



25KHz TONE

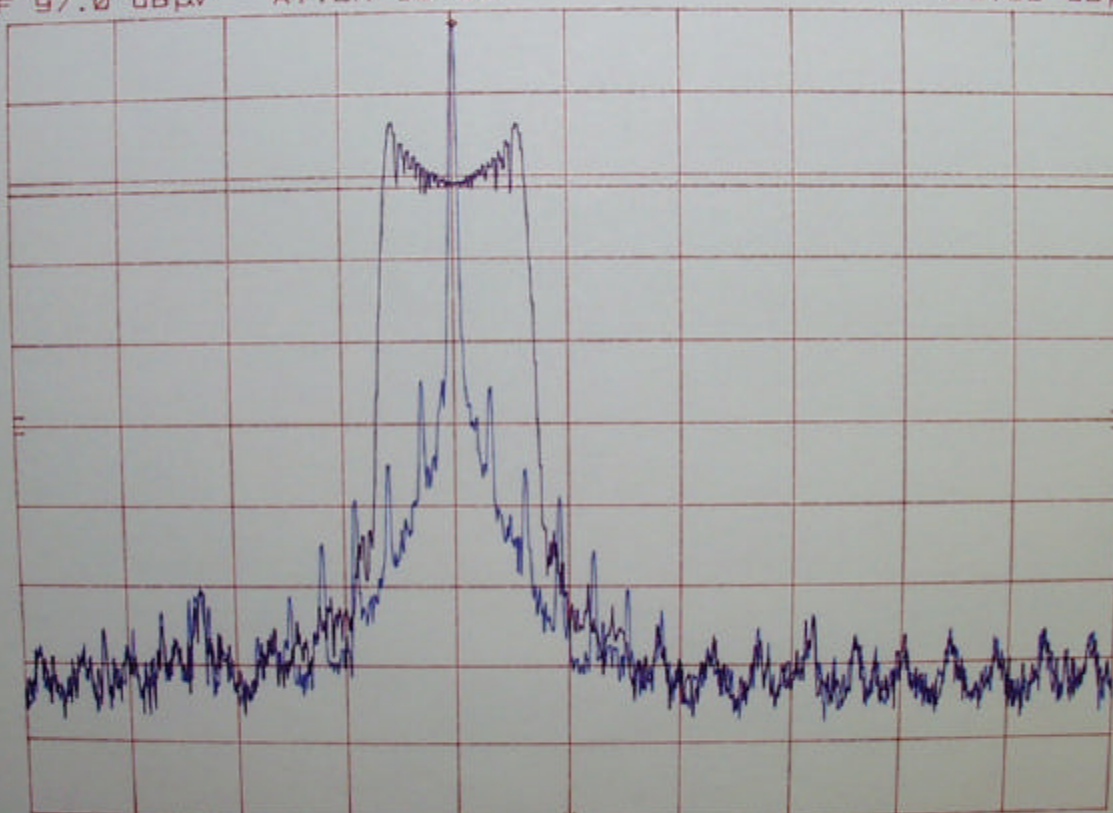
PLOT#4

hp
10 dB/

REF 97.0 dBμV ATTEN 10 dB

MKR 72.098 MHz
95.50 dBμV

DL
75.5
dBμV



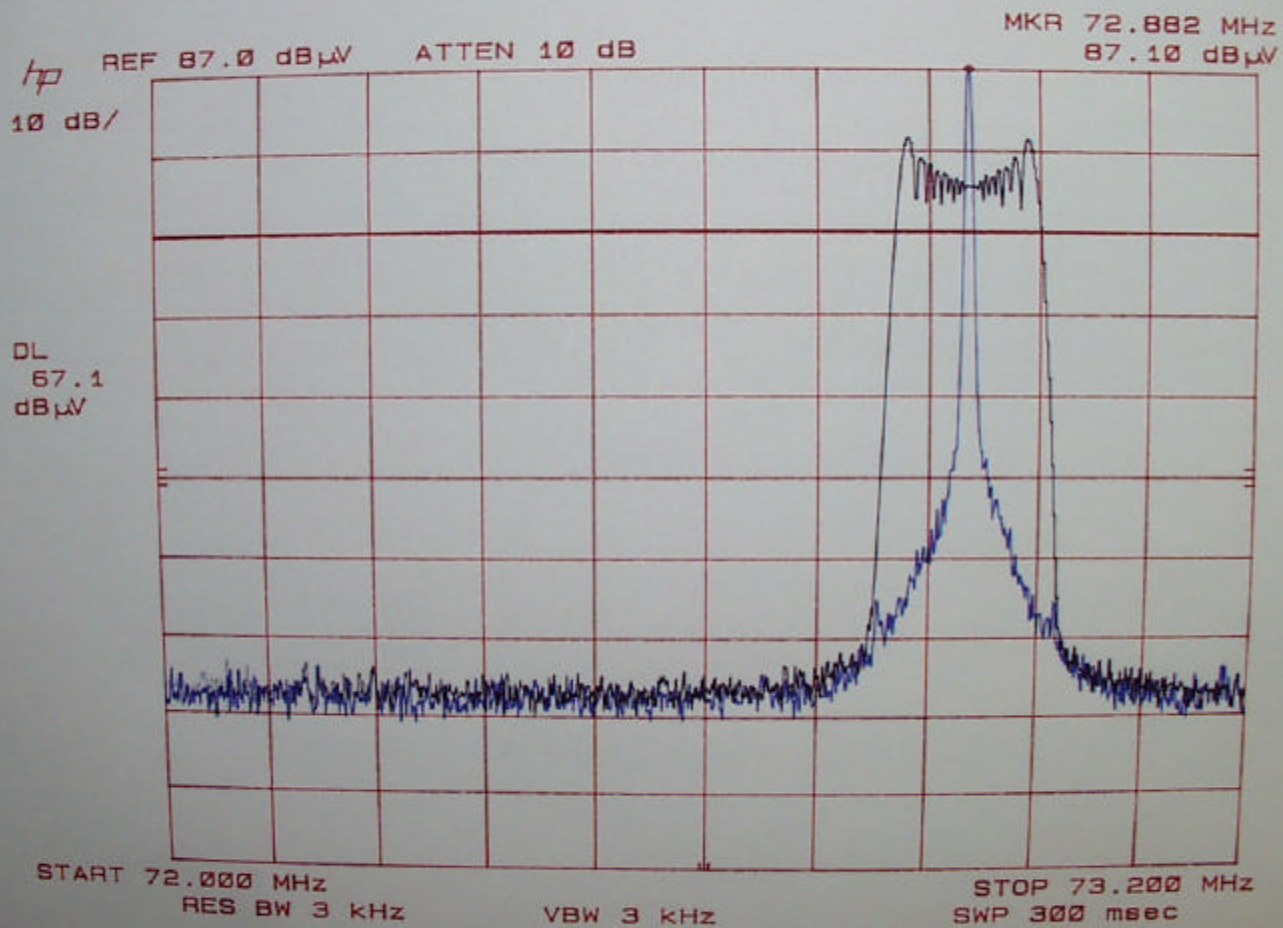
START 71.494 MHz
RES BW 3 kHz

VBW 3 kHz

STOP 73.000 MHz
SWP 300 msec

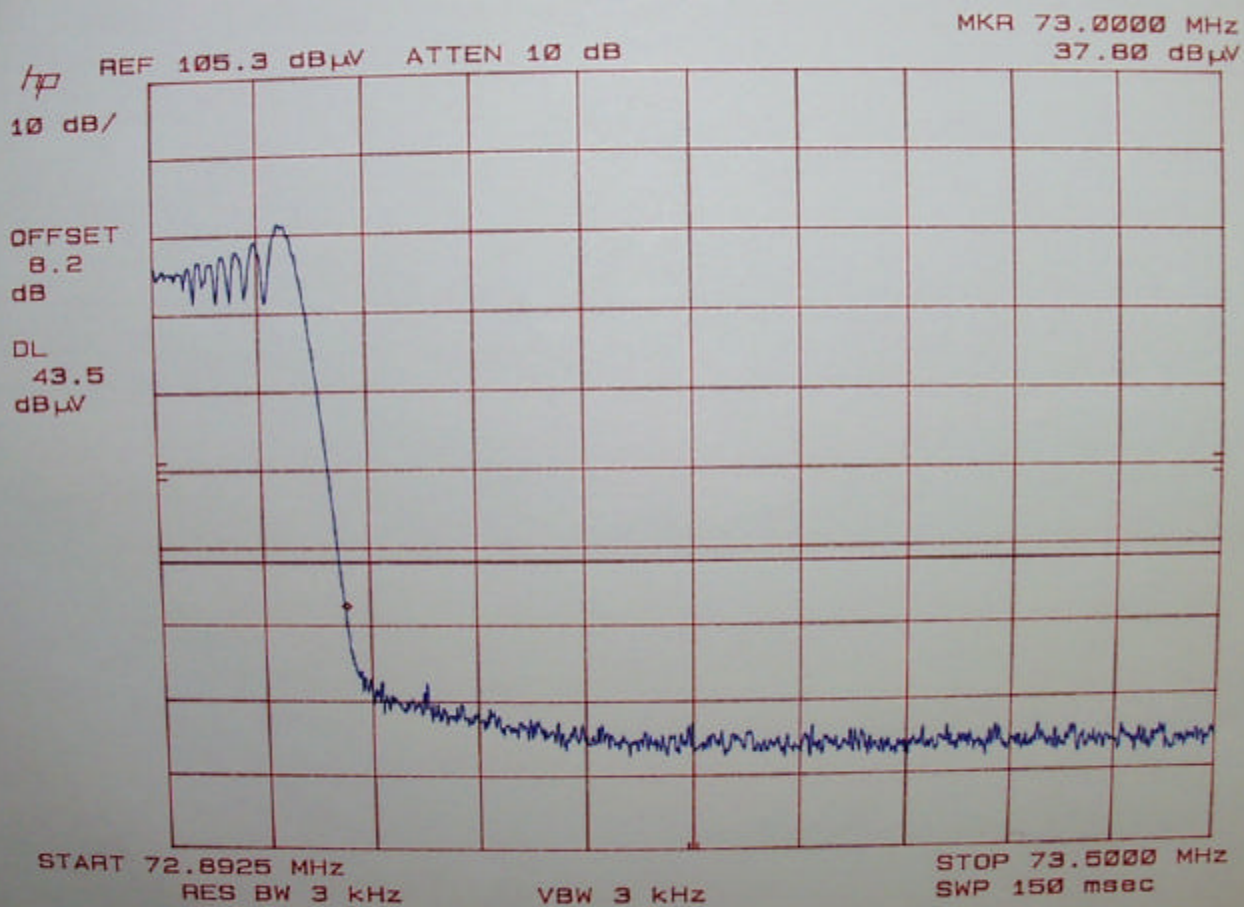
25 KHz TIME

Plot #5



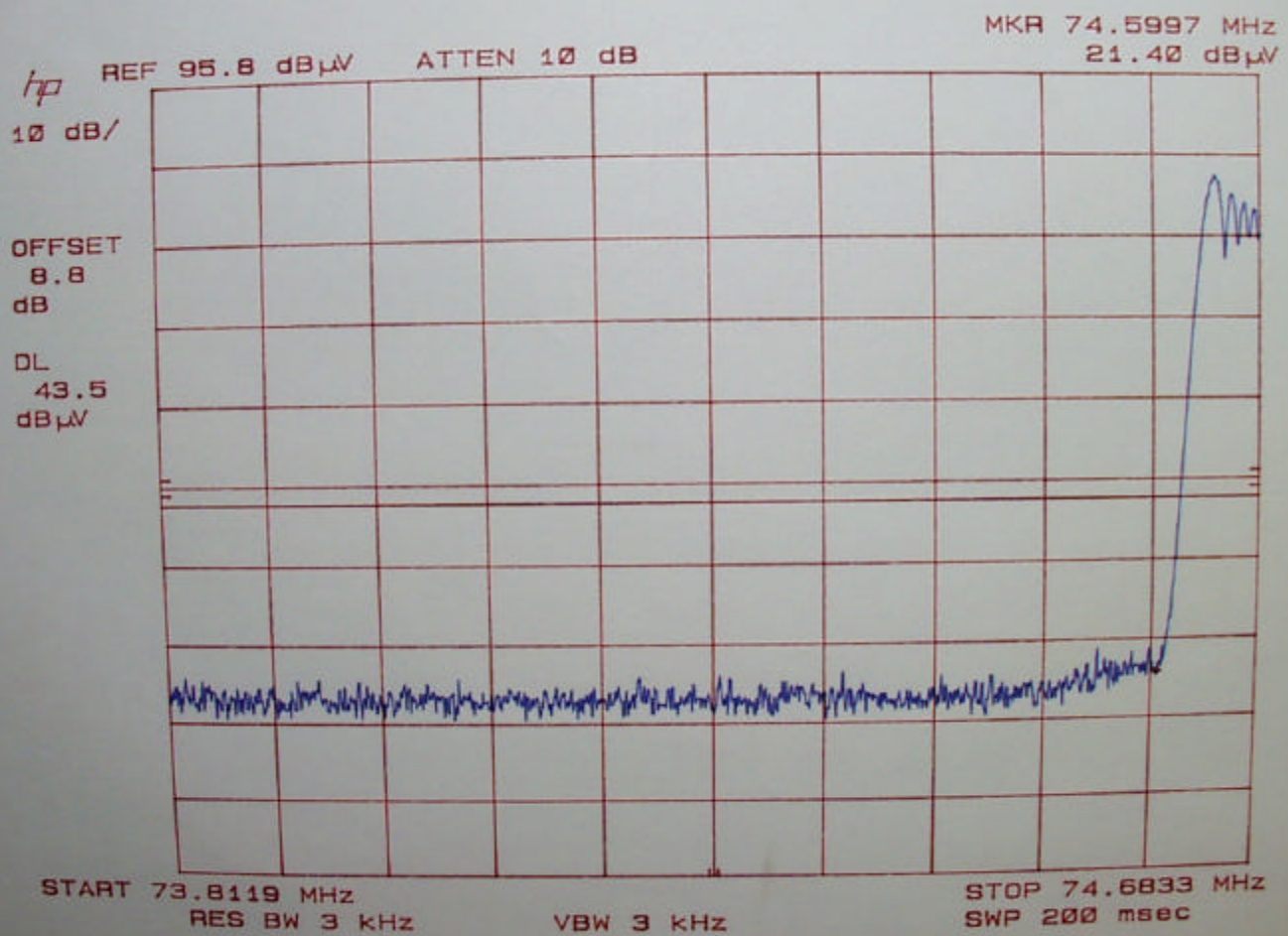
2SK $\frac{1}{2}$ TONE

Plot #6



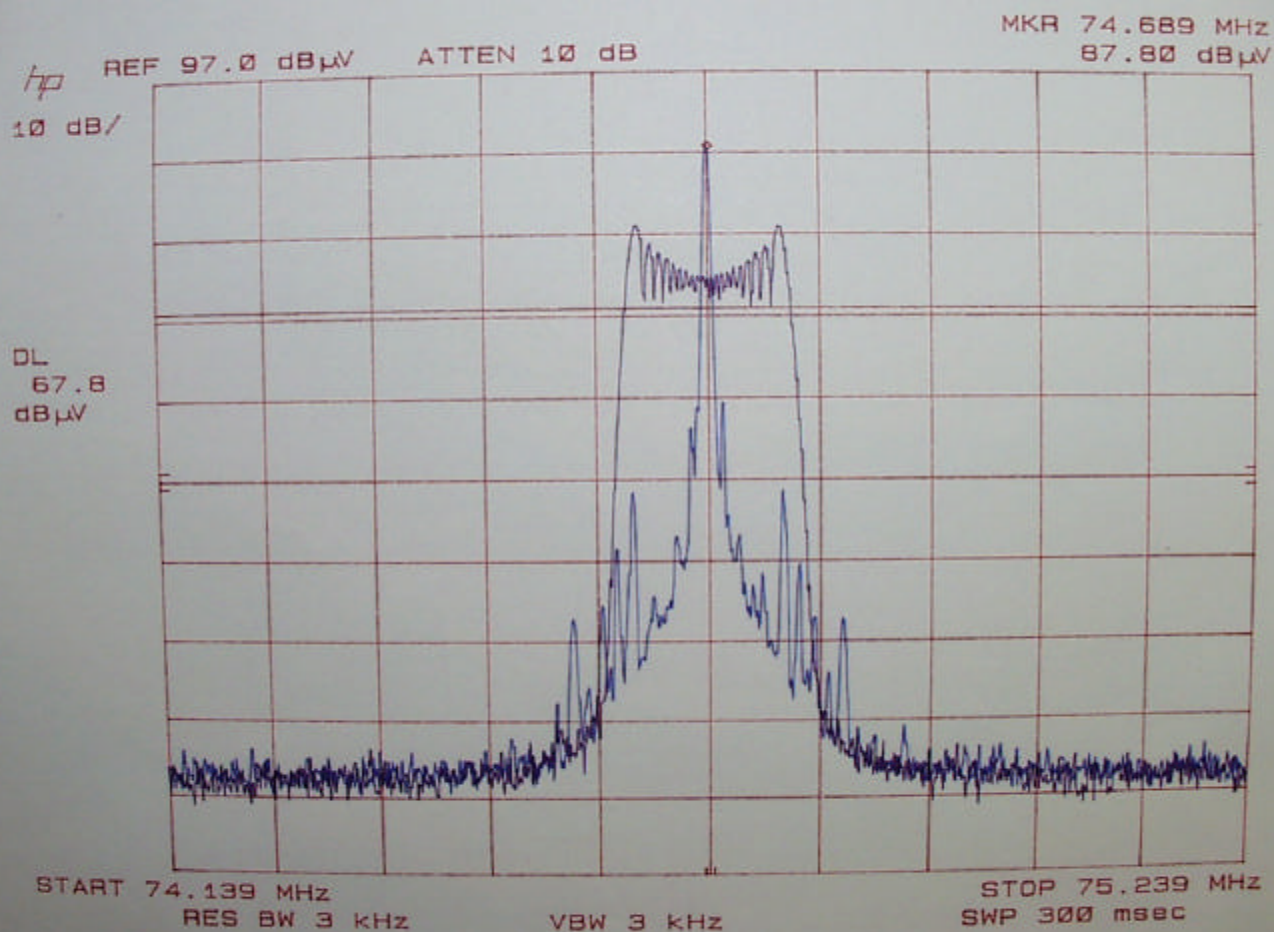
25kHz TONE

PLOT#7



25kHz TONE

PLOT H8



25 KHz TONE

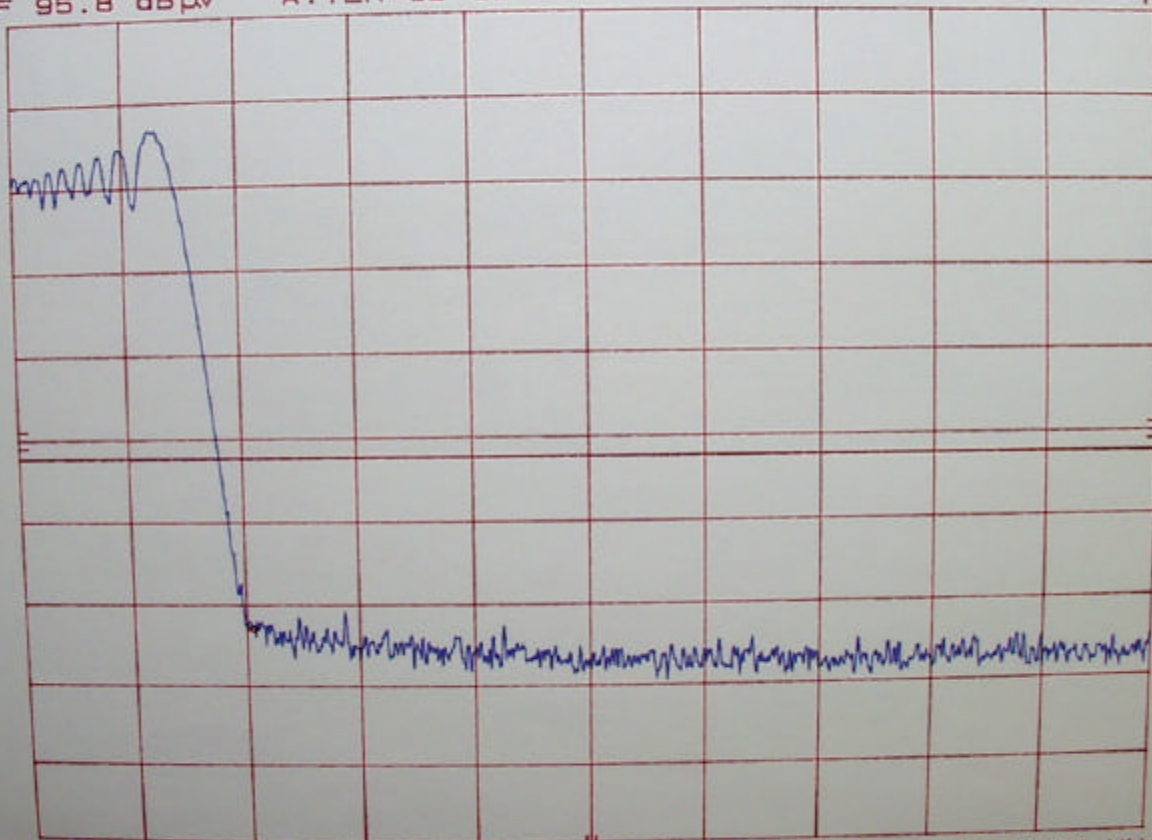
PLOT #9

hp REF 95.8 dB μ V ATTEN 10 dB
10 dB/

MKR 74.8001 MHz
22.90 dB μ V

OFFSET
8.8
dB

DL
43.5
dB μ V



START 74.6963 MHz
RES BW 3 kHz

VBW 3 kHz

STOP 75.2000 MHz
SWP 100 msec

25 kHz TONE

PLOT#10

hp REF 96.0 dB μ V ATTEN 10 dB
10 dB/

MKR 75.1999 MHz
19.40 dB μ V

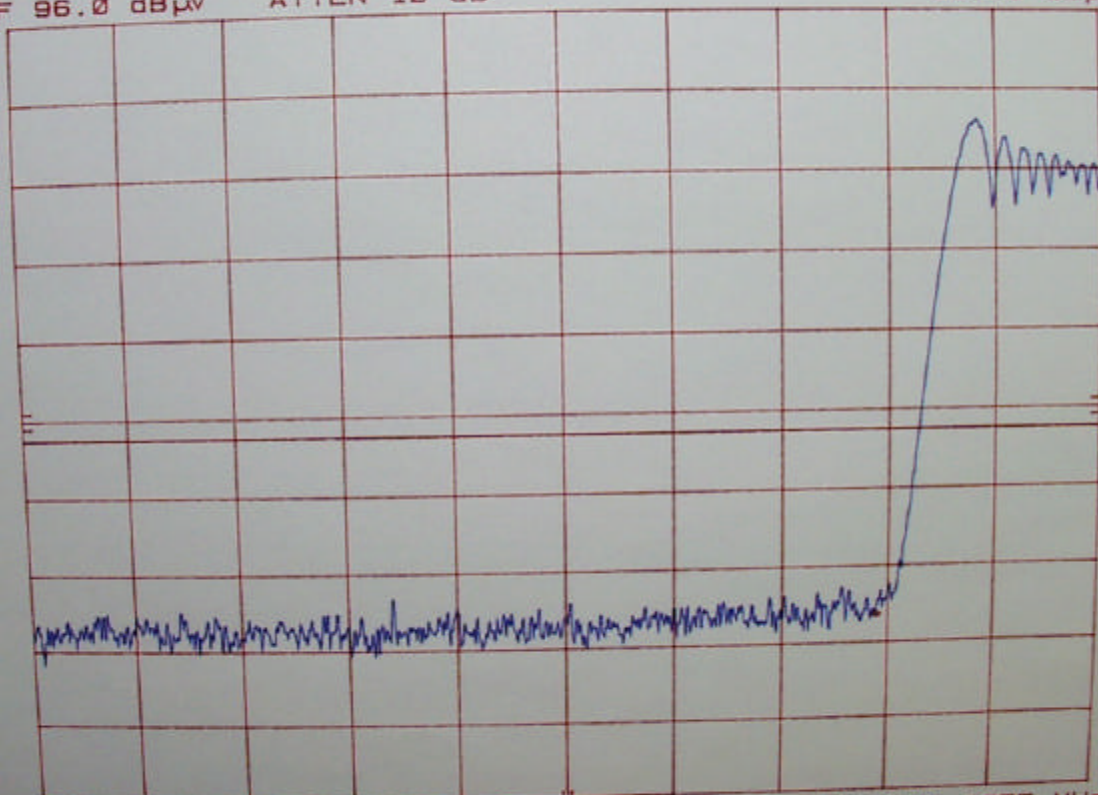
OFFSET
9.0
dB

DL
43.5
dB μ V

START 74.8000 MHz
RES BW 3 kHz

VBW 3 kHz

STOP 75.3075 MHz
SWP 100 msec



25KHz TONE

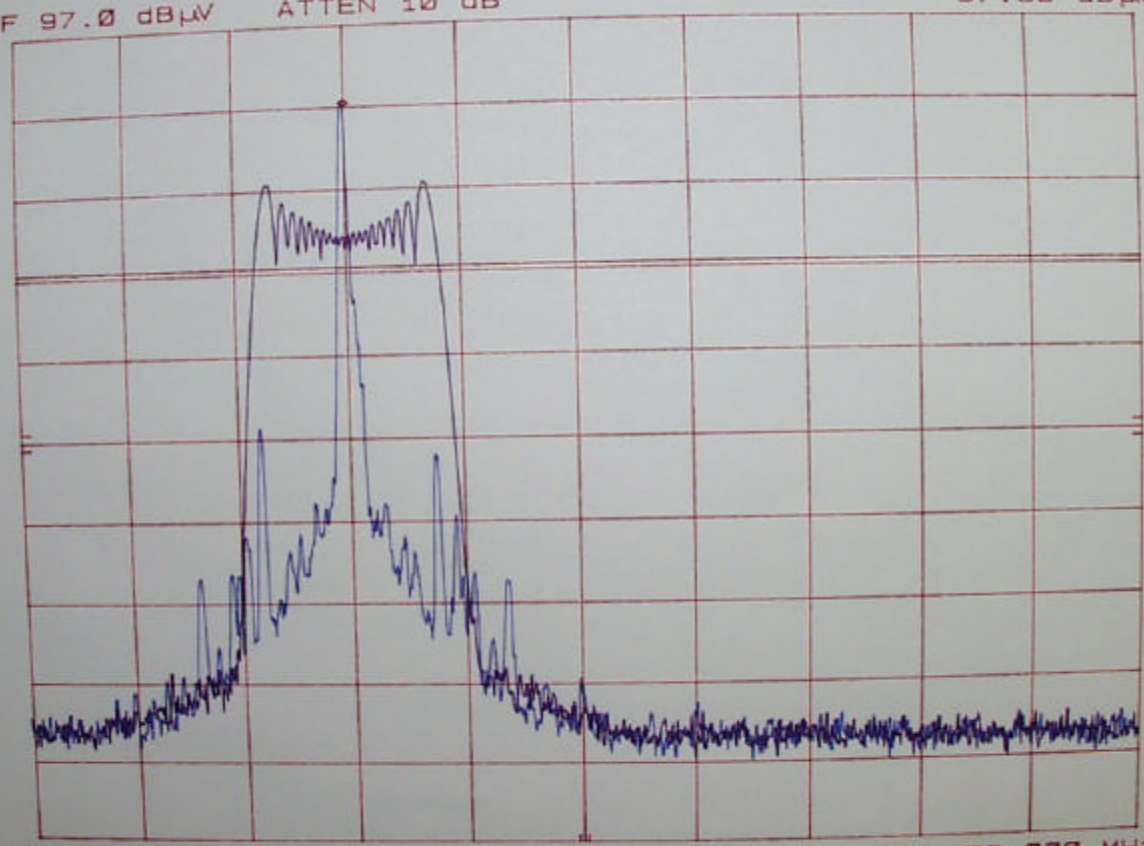
PLOT# 11

MKR 75.299 MHz
87.50 dBμV

hp REF 97.0 dBμV ATTEN 10 dB
10 dB/

DL
67.5
dBμV

START 75.000 MHz RES BW 3 kHz VBW 3 kHz STOP 76.000 MHz
SWP 200 msec



2.5KHz TONE

Plot #12

MKR 75.905 MHz
87.30 dB μ V

hp REF 97.0 dB μ V ATTEN 10 dB
10 dB/

DL
67.3
dB μ V

START 75.200 MHz
RES BW 3 kHz

VBW 3 kHz

STOP 76.200 MHz
SWP 200 msec

