

*NRSC
REPORT*

NATIONAL RADIO SYSTEMS COMMITTEE

**NRSC-R30
FM Subcommittee Task Force
Report on FM Receiver
Interference Rejection
Capability
July 24, 1981**

Part II – Test Data



NAB: 1771 N Street, N.W.
Washington, DC 20036
Tel: (202) 429-5356 Fax: (202) 775-4981



CEA: 1919 South Eads Street
Arlington, VA 22202
Tel: (703) 907-7660 Fax: (703) 907-8113

Co-sponsored by the Consumer Electronics Association and the National Association of Broadcasters
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NRSC-R30

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Washington, DC 20036

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NRSC-R30

FOREWORD

NRSC-R30, FM Subcommittee Task Force Report on FM Receiver Interference Rejection Capability, describes FM receiver tests conducted by the NRSC and submitted to the Federal Communications Commission (FCC) into Docket 80-90, in the matter of Modification of FM Broadcast Station Rules to Increase the Availability of Commercial FM Broadcast Assignments.

The RF protection ratios for seventeen (17) FM broadcast receivers were measured and documented in this report along with receiver sensitivity in mono and stereo modes of operation. The NRSC chairman at the time of original adoption of NRSC-R-30 was James D. Kearney.

The NRSC is jointly sponsored by the Consumer Electronics Association and the National Association of Broadcasters. It serves as an industry-wide standards-setting body for technical aspects of terrestrial over-the-air radio broadcasting systems in the United States.

CONSUMER
F-M RECEIVER
TEST DATA

NATIONAL RADIO SYSTEMS COMMITTEE

BY

F. David Harris
April 4, 1981

UNIVERSITY OF HARTFORD
HARTFORD, CONNECTICUT

5

FORWARD

The data in this file were taken at the University of Hartford as an activity of the National Radio Systems Committee. Participants in assembling the test equipment and in testing were:

F. David Harris, Test Leader

J. Gros Jean

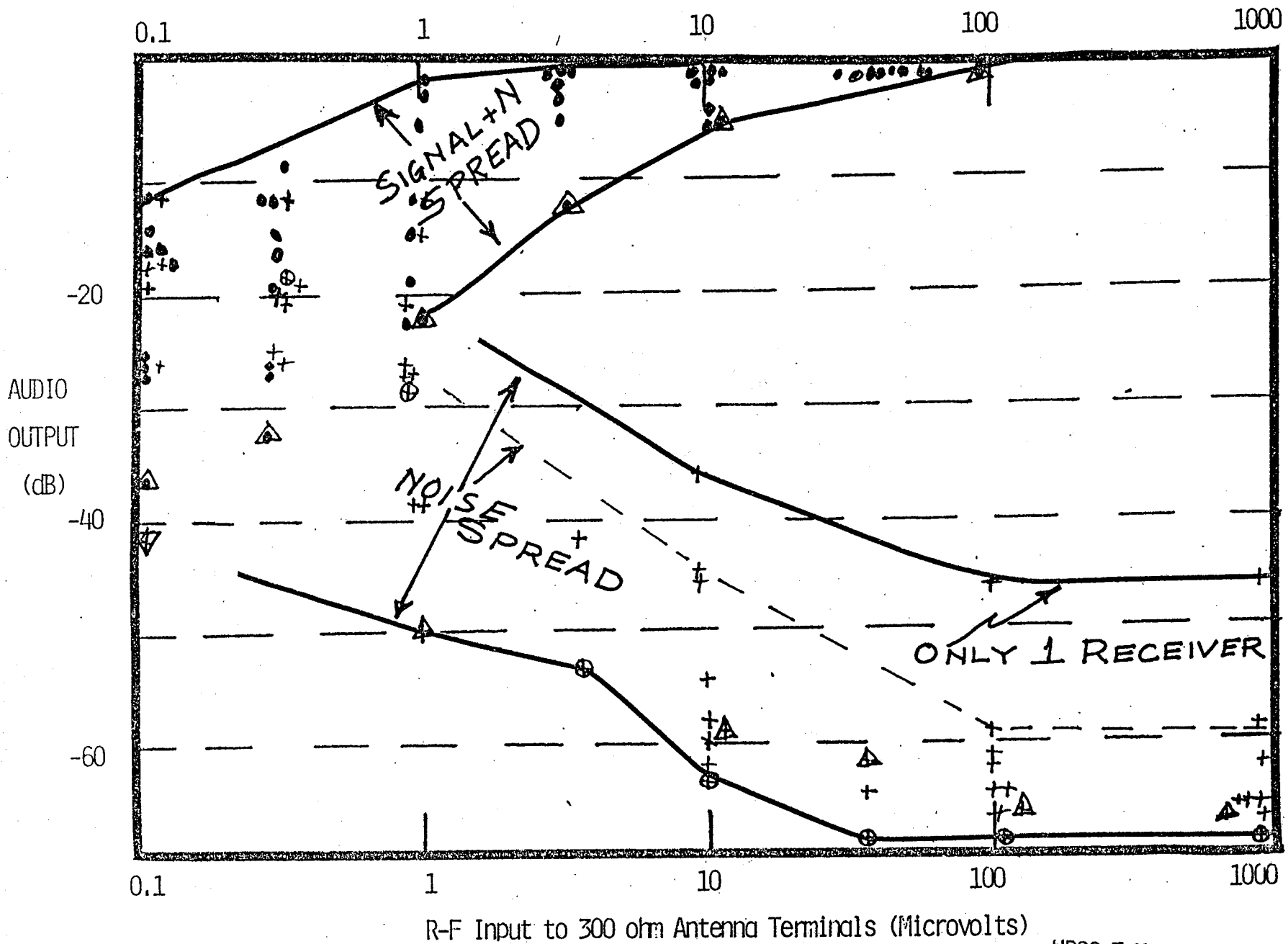
H. L. Lester

All tests were conducted using noise modulation techniques of CCIR 315-4, draft February 1980. This included specified "pink noise" filters and "Radio II" Psophometer . An exception are a few tone tests, specifically noted, using IEEE method.

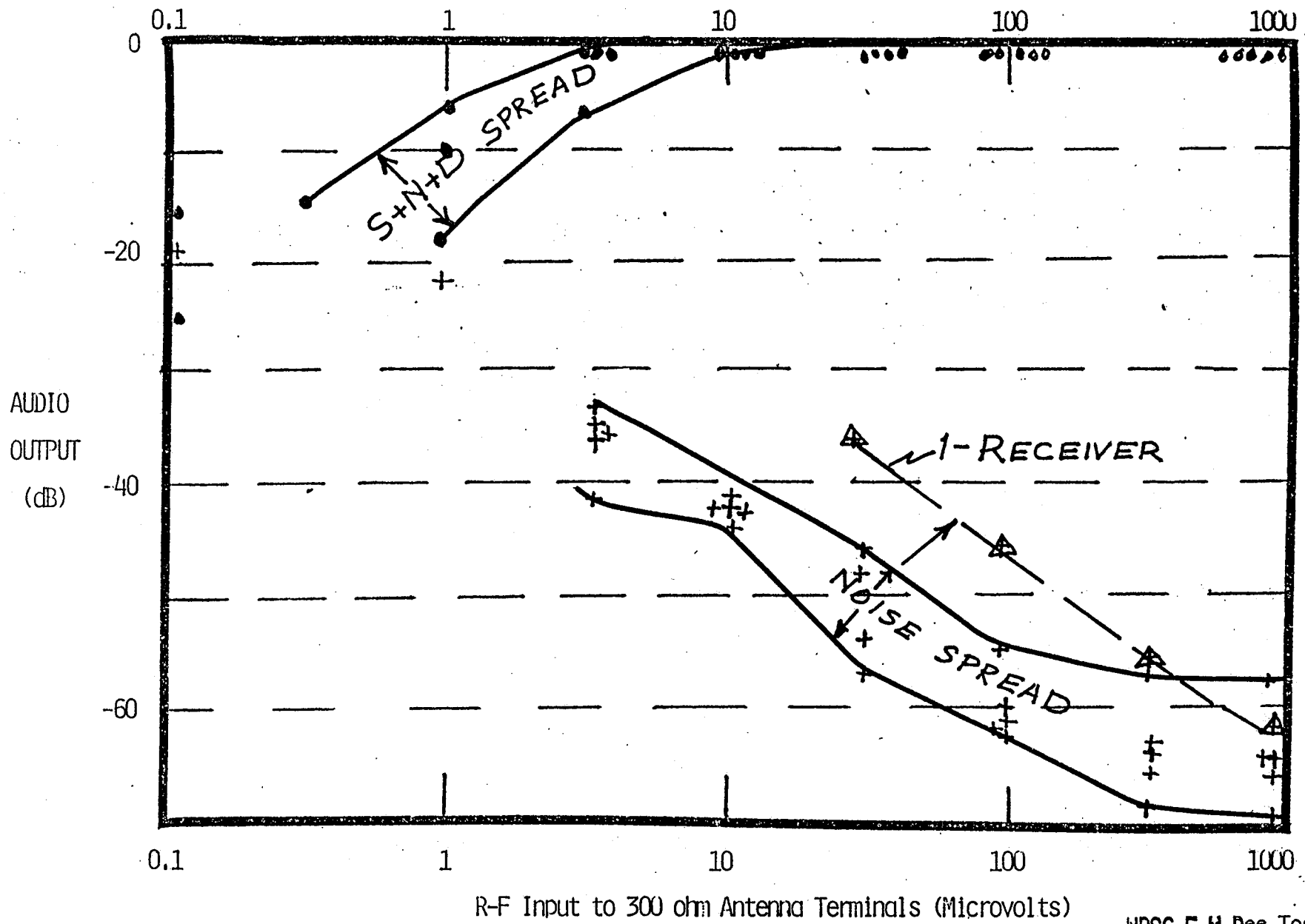
F.D.H.

April 4, 1981

MONOPHONIC F-M SENSITIVITY: Composite of all Receivers Tested

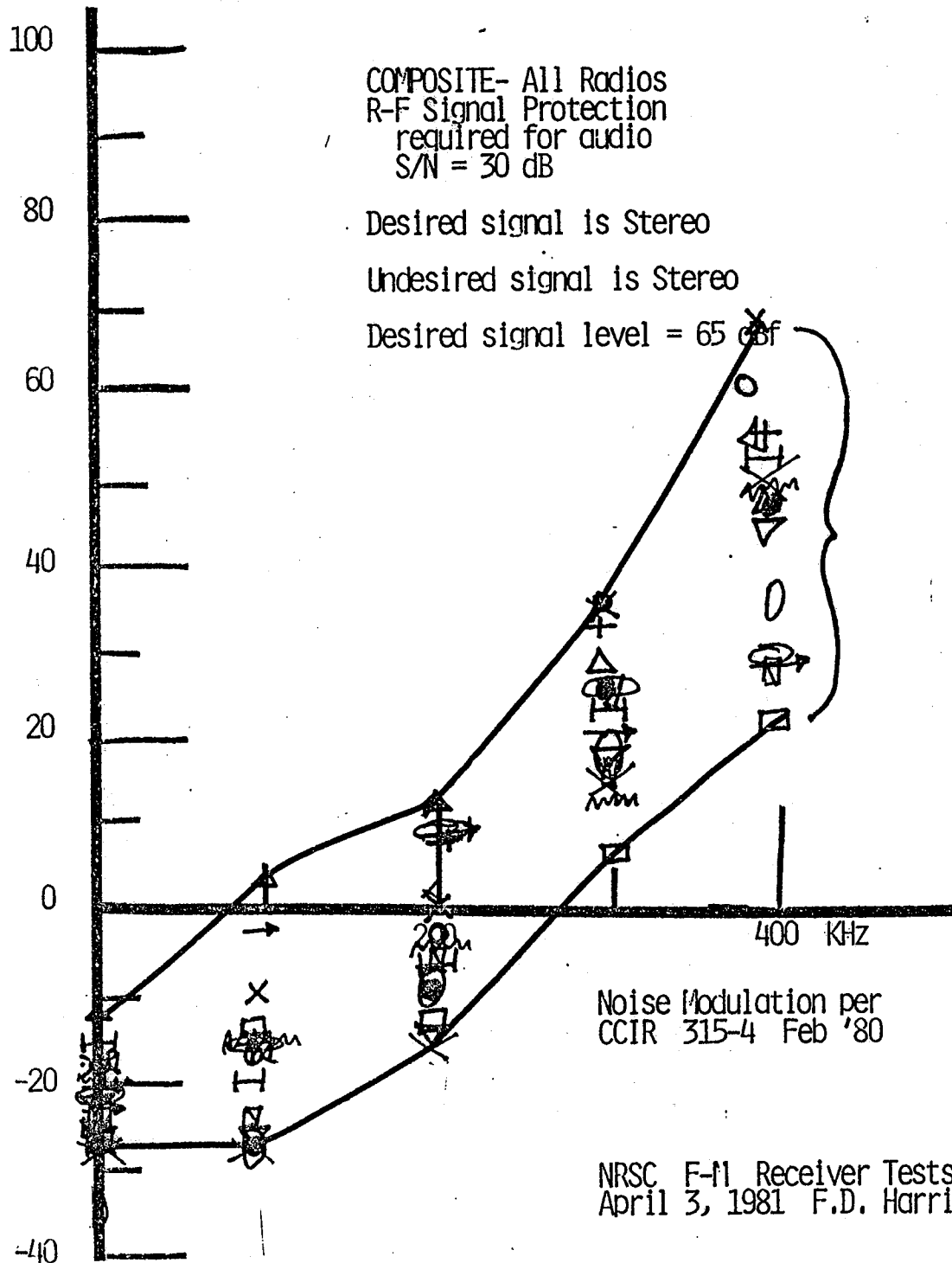


STEREO F-M SENSITIVITY: Composite of all Receivers Tested

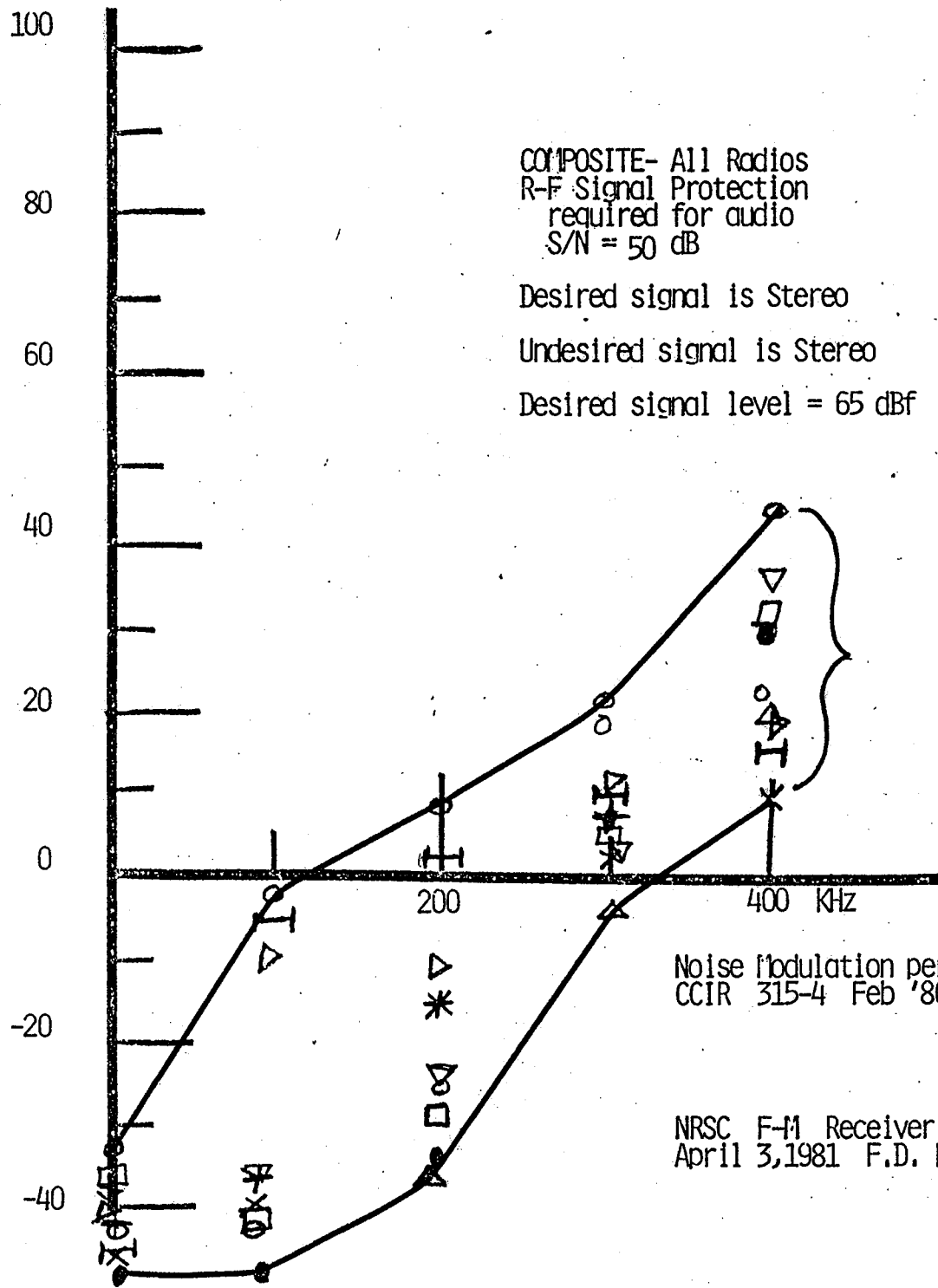


NRSC F-M Rec Tests
F.D. Harris 4/3/81

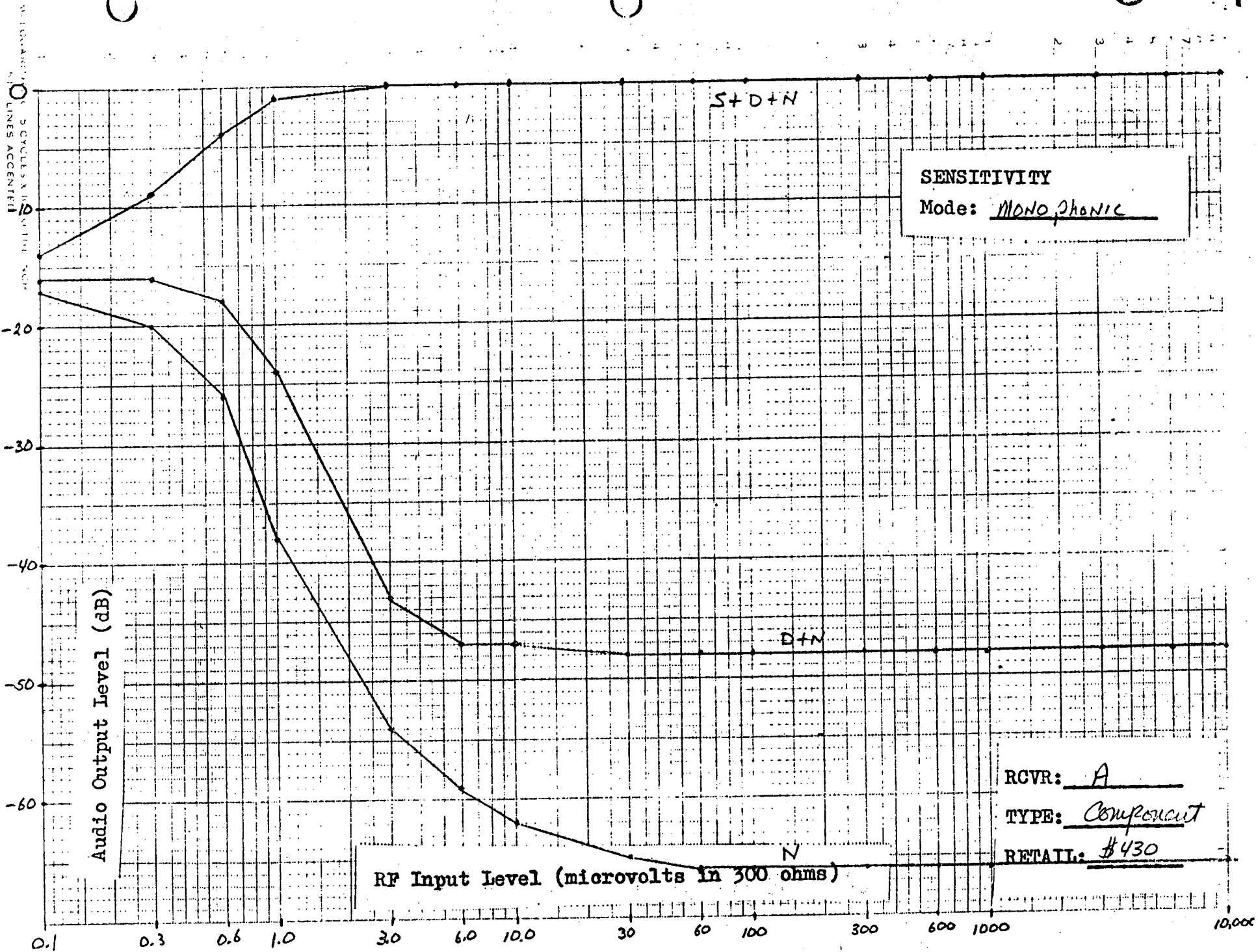
R-F
PROTECTION
RATIO
(dB)

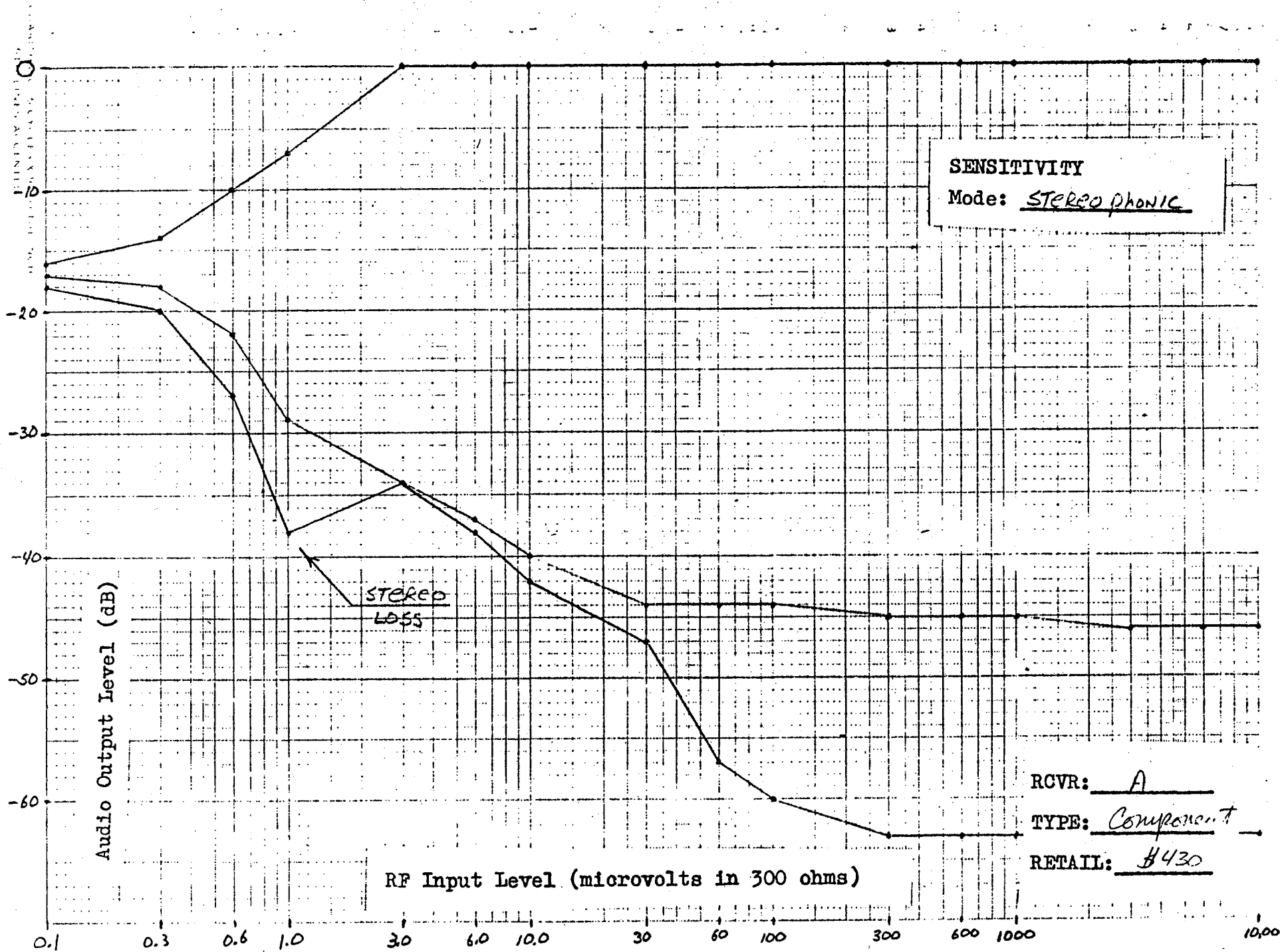


R-F
PROTECTION
RATIO
(dB)



RECEIVER "A"
TYPE Component
RETAIL \$ 430



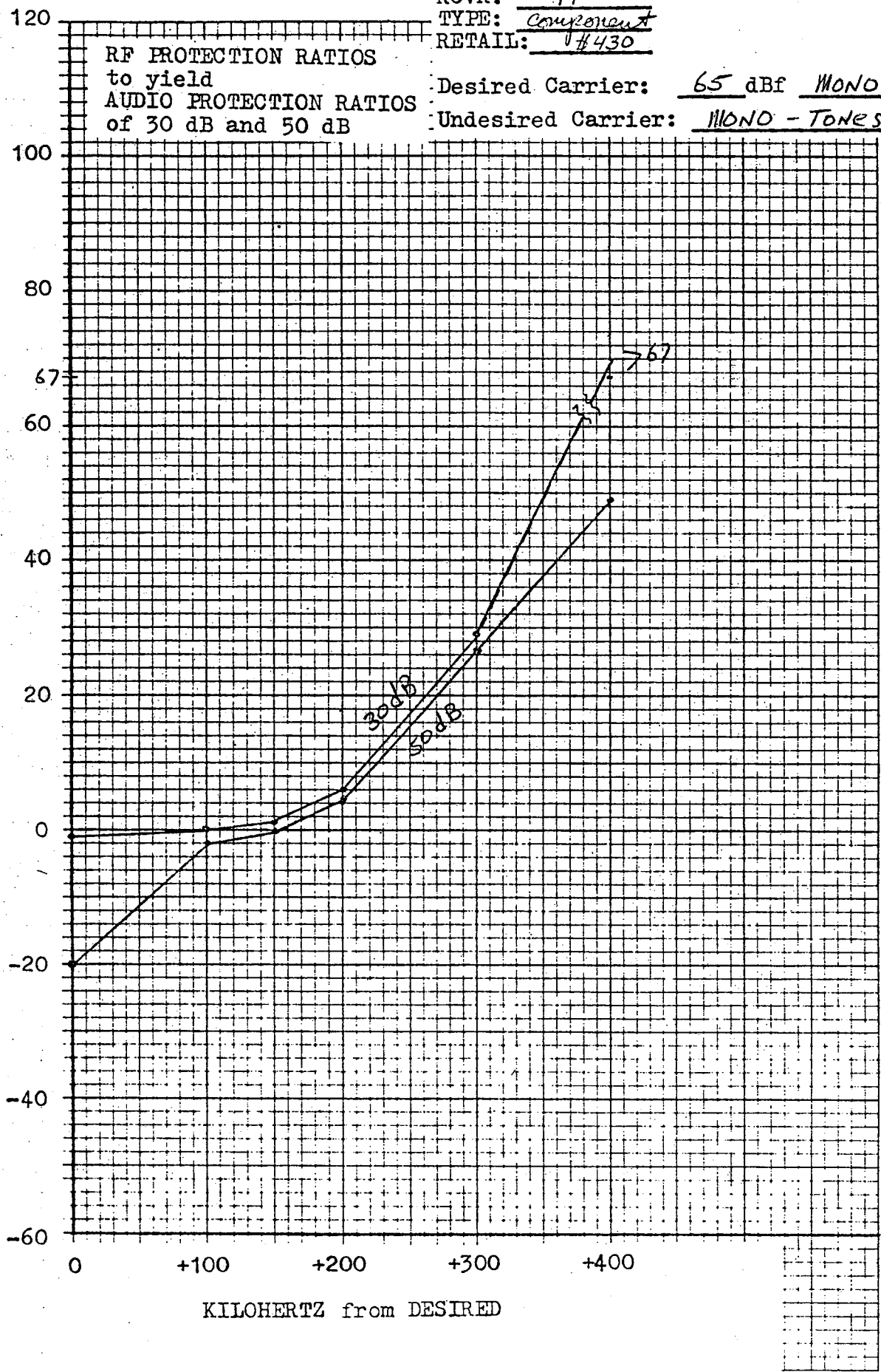


RCVR: A
TYPE: Component
RETAIL: #430

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf MONO
Undesired Carrier: MONO-TONES (IEEE)

RF PROTECTION RATIO (dB)

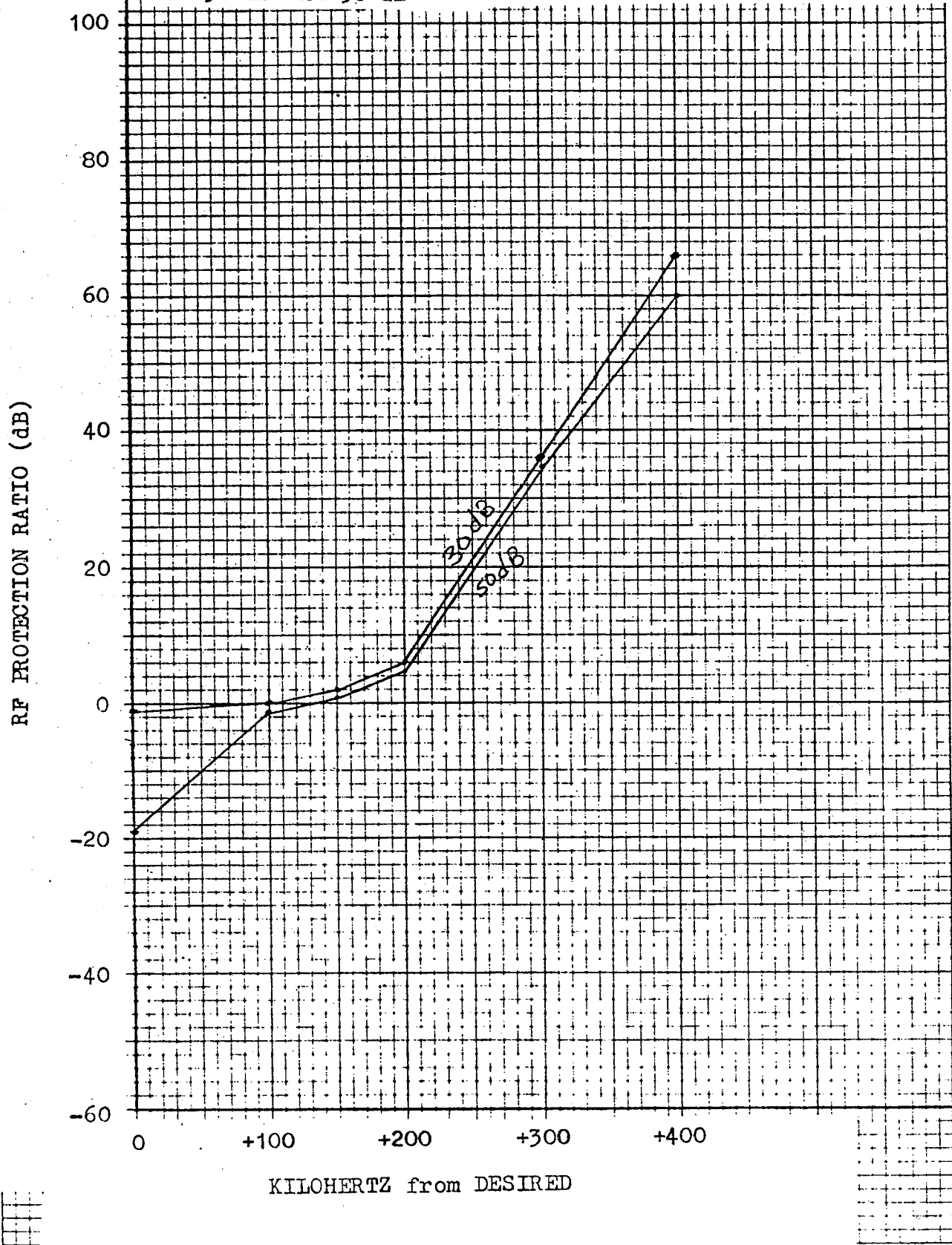


KILOHERTZ from DESIRED

RCVR: A
TYPE: Component
RETAIL: 4430

Desired Carrier: 35 dB MONO
Undesired Carrier: MONO - TONES (1000)

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

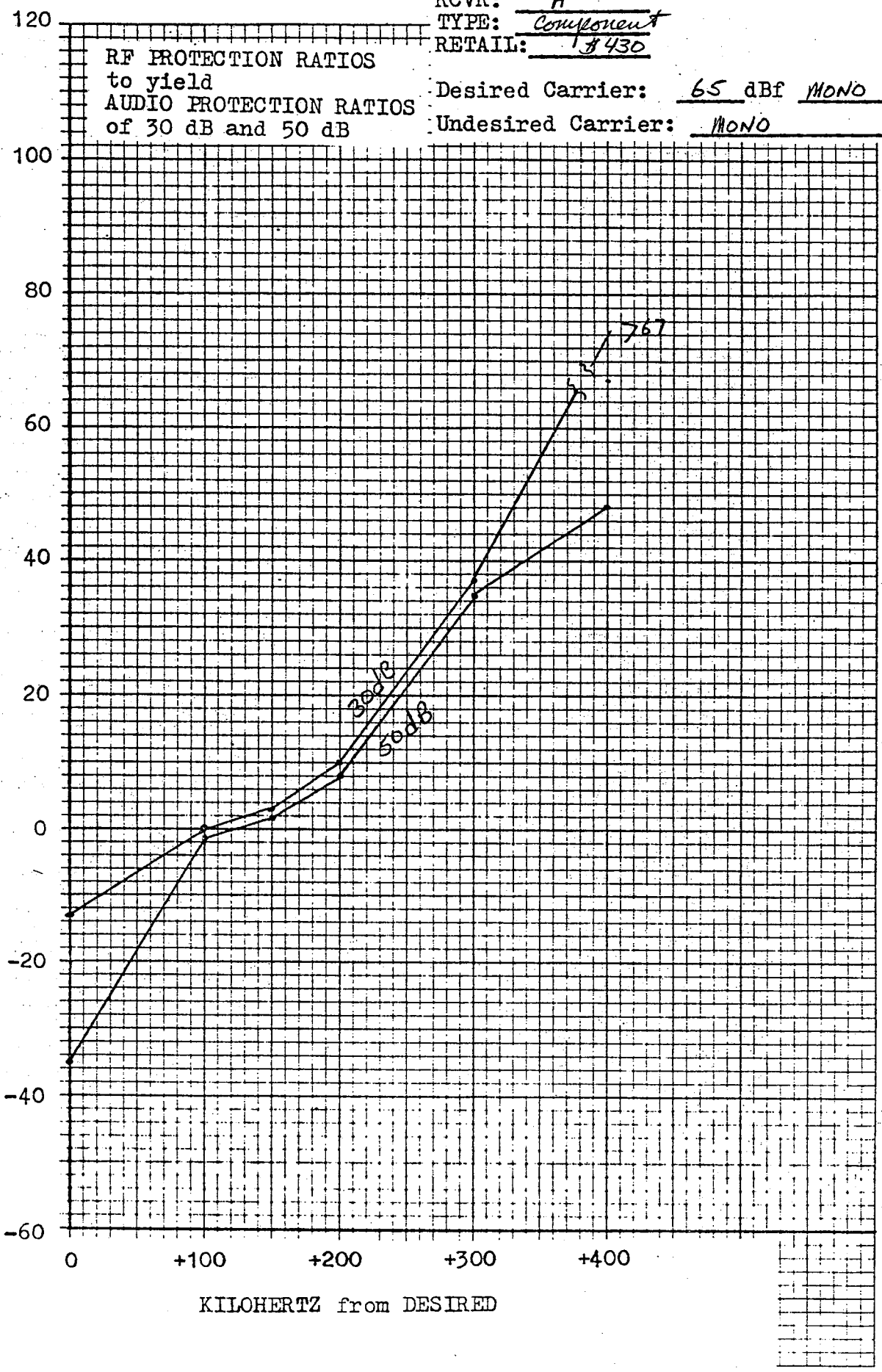


RCVR: A
TYPE: Component
RETAIL: 18430

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dB MONO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



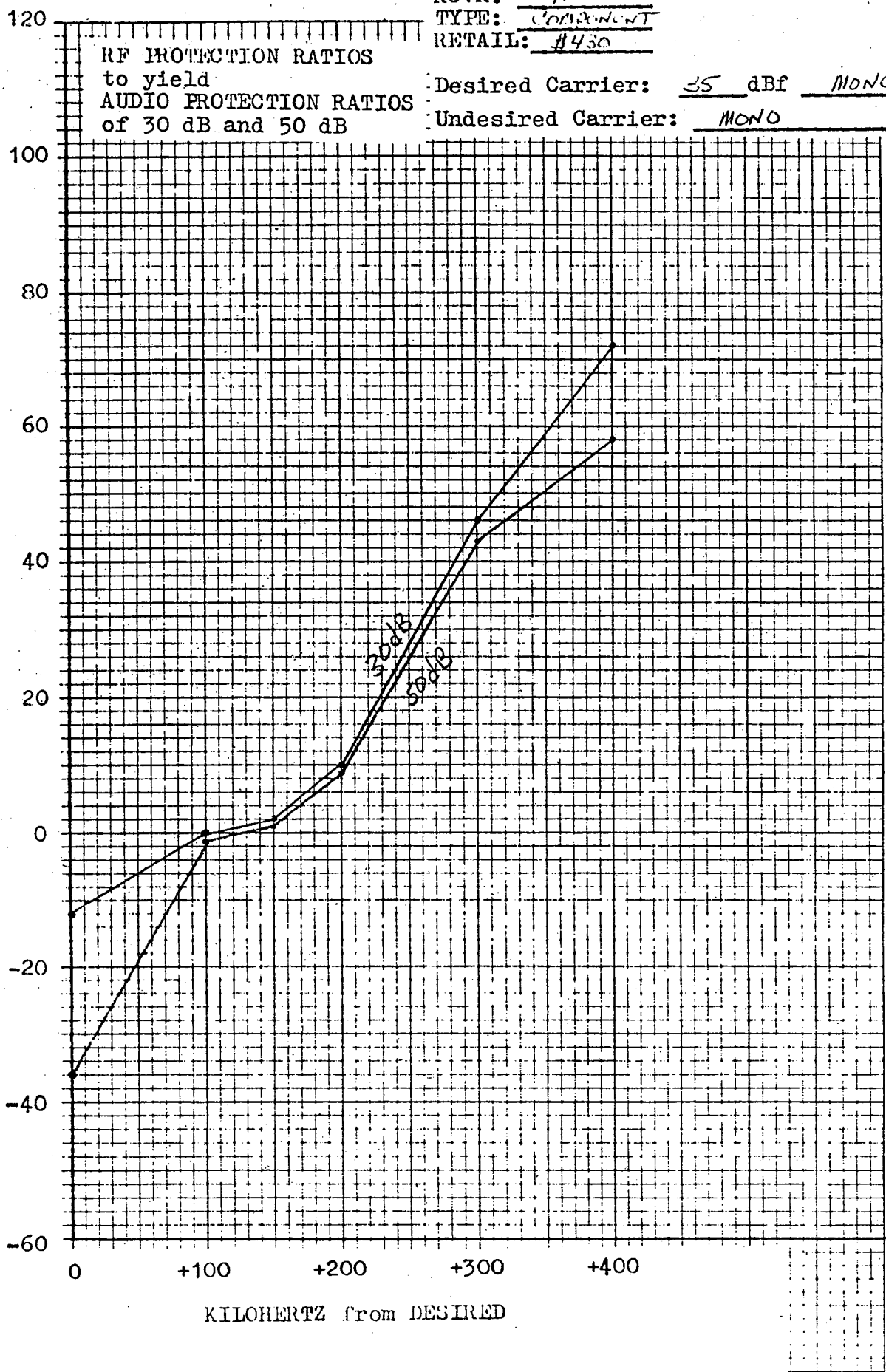
KILOHERTZ from DESIRED

RCVR: A
TYPE: COMPONENT
RETAIL: #430

Desired Carrier: 35 dB MONO
Undesired Carrier: MONO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

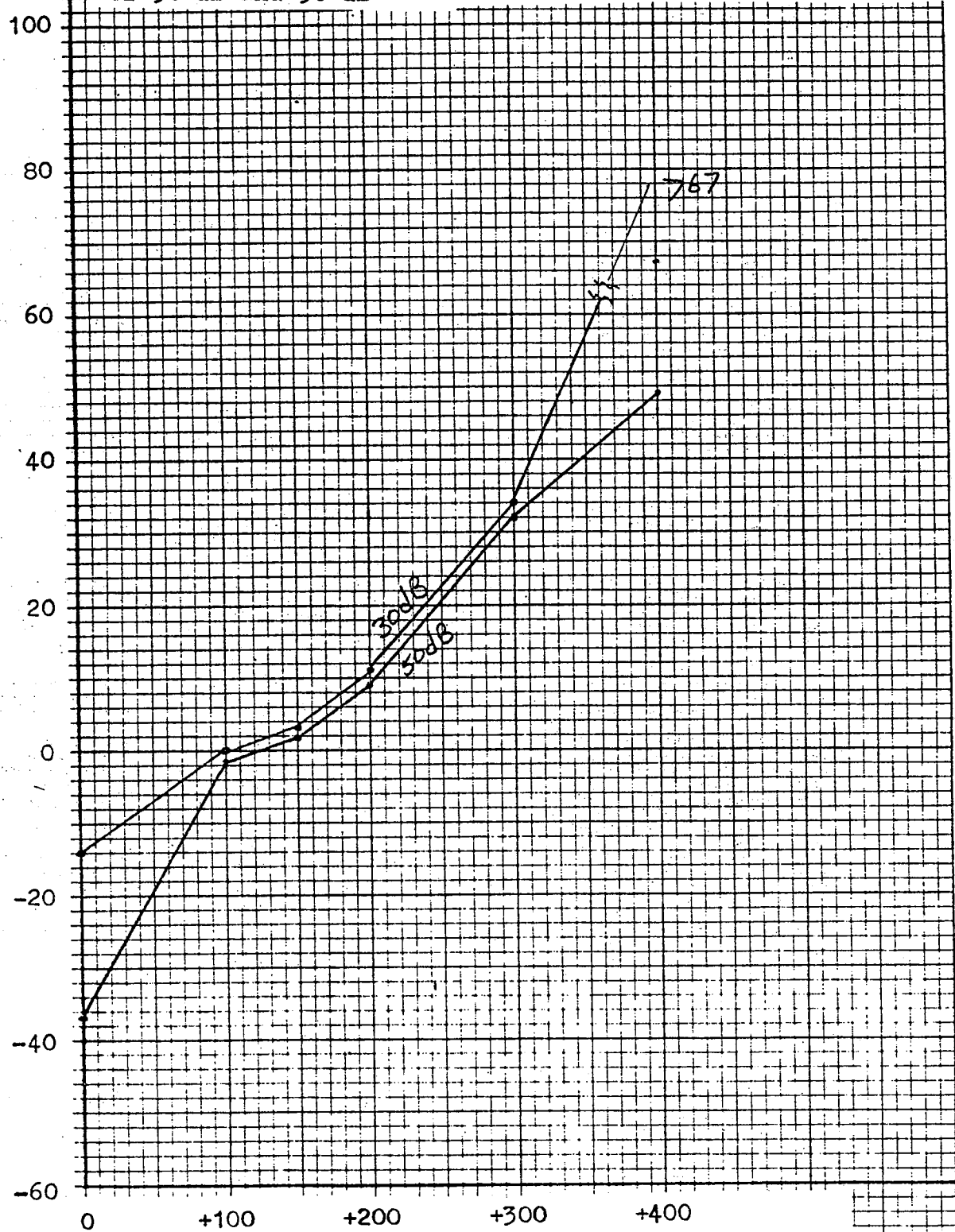
120
100
80
60
40
20
0
-20
-40
-60

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RCVR: A
TYPE: Component
RETAIL: #430

Desired Carrier: 65 dBf MONO
Undesired Carrier: STEREO

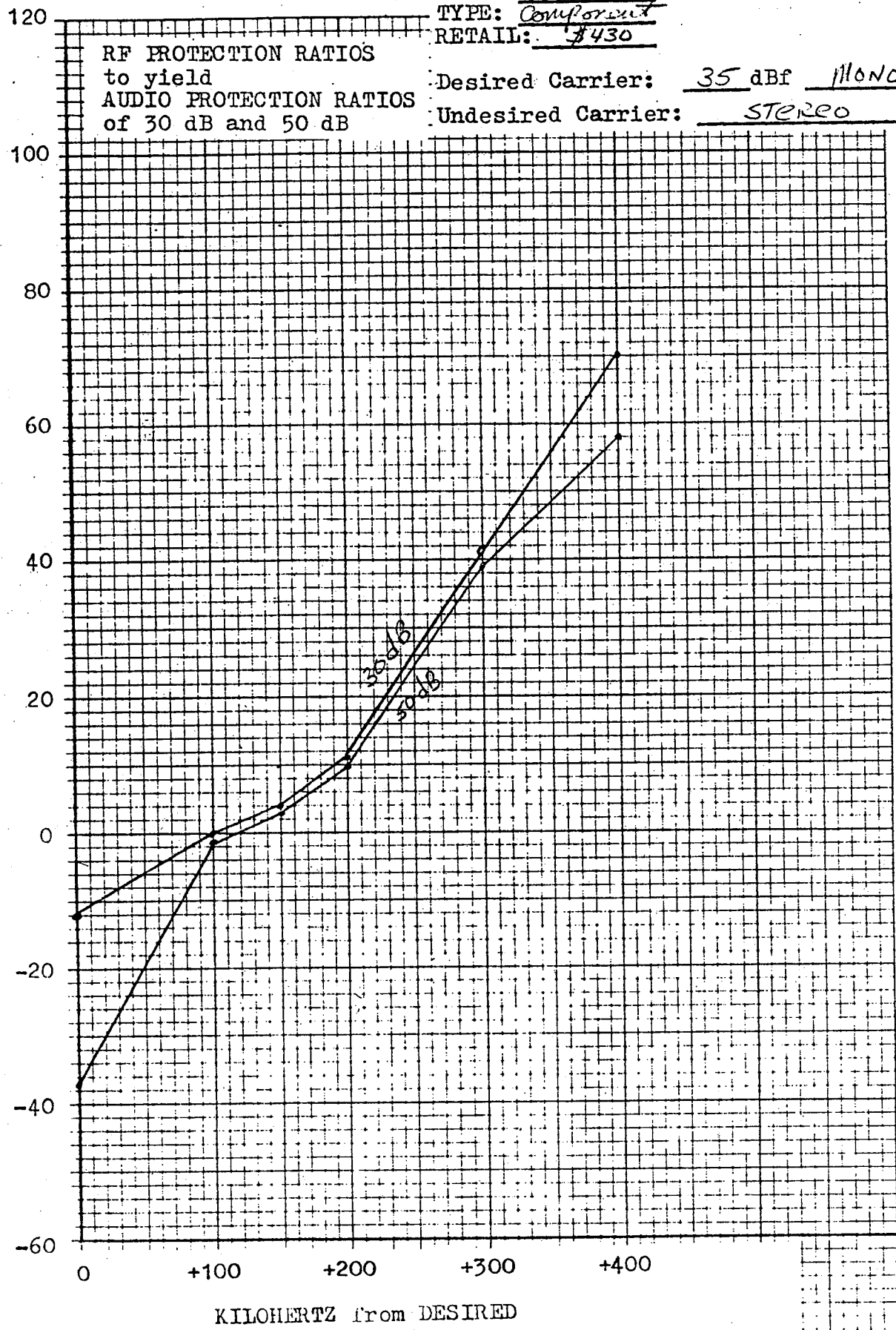
RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

RCVR: A
 TYPE: Component
 RETAIL: \$430

Desired Carrier: 35 dB MONO
 Undesired Carrier: STEREO



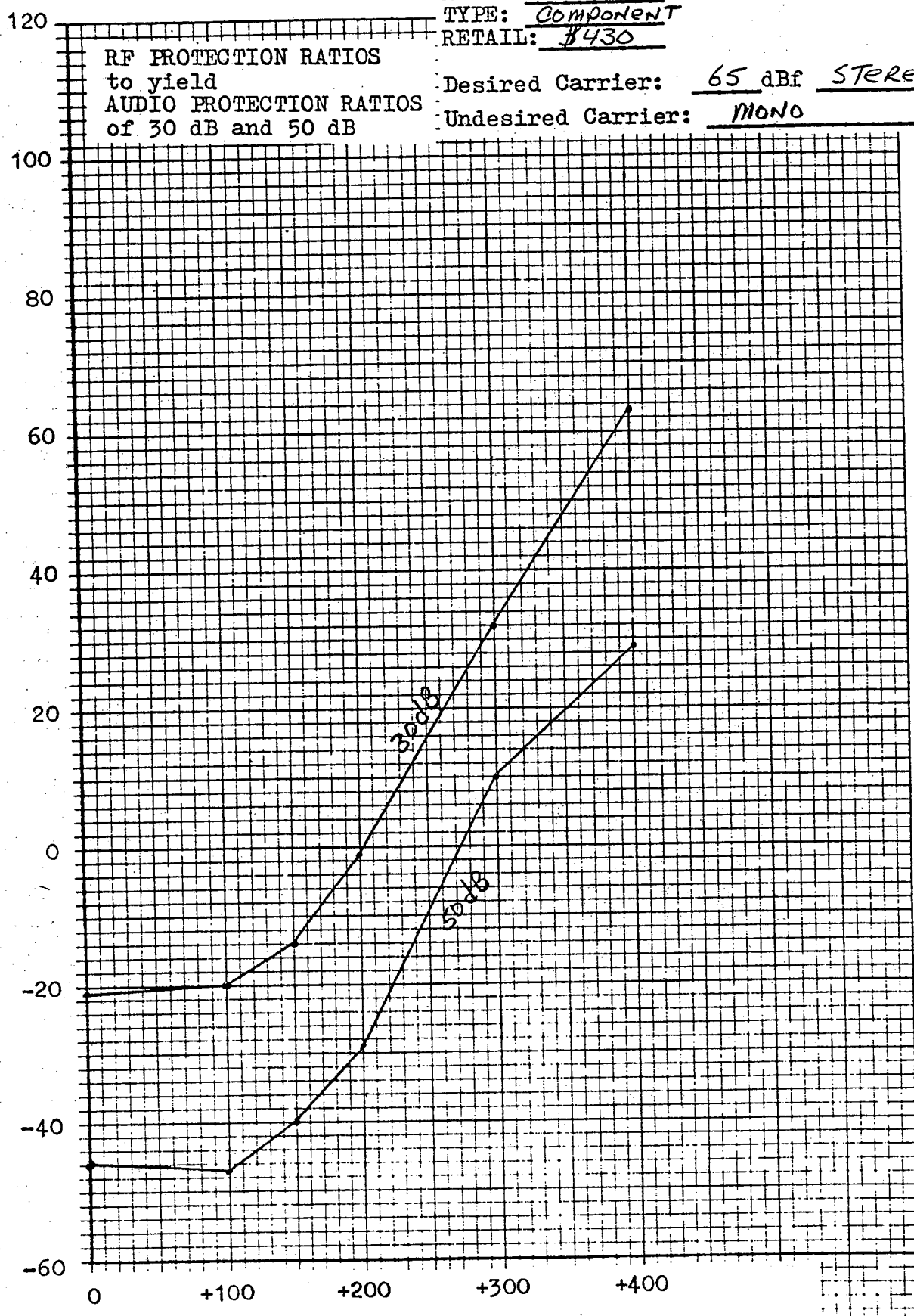
RF PROTECTION RATIO (dB)

RCVR: A
TYPE: COMPONENT
RETAIL: \$430

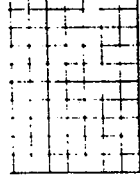
Desired Carrier: 65 dBf STEREO
Undesired Carrier: MONO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

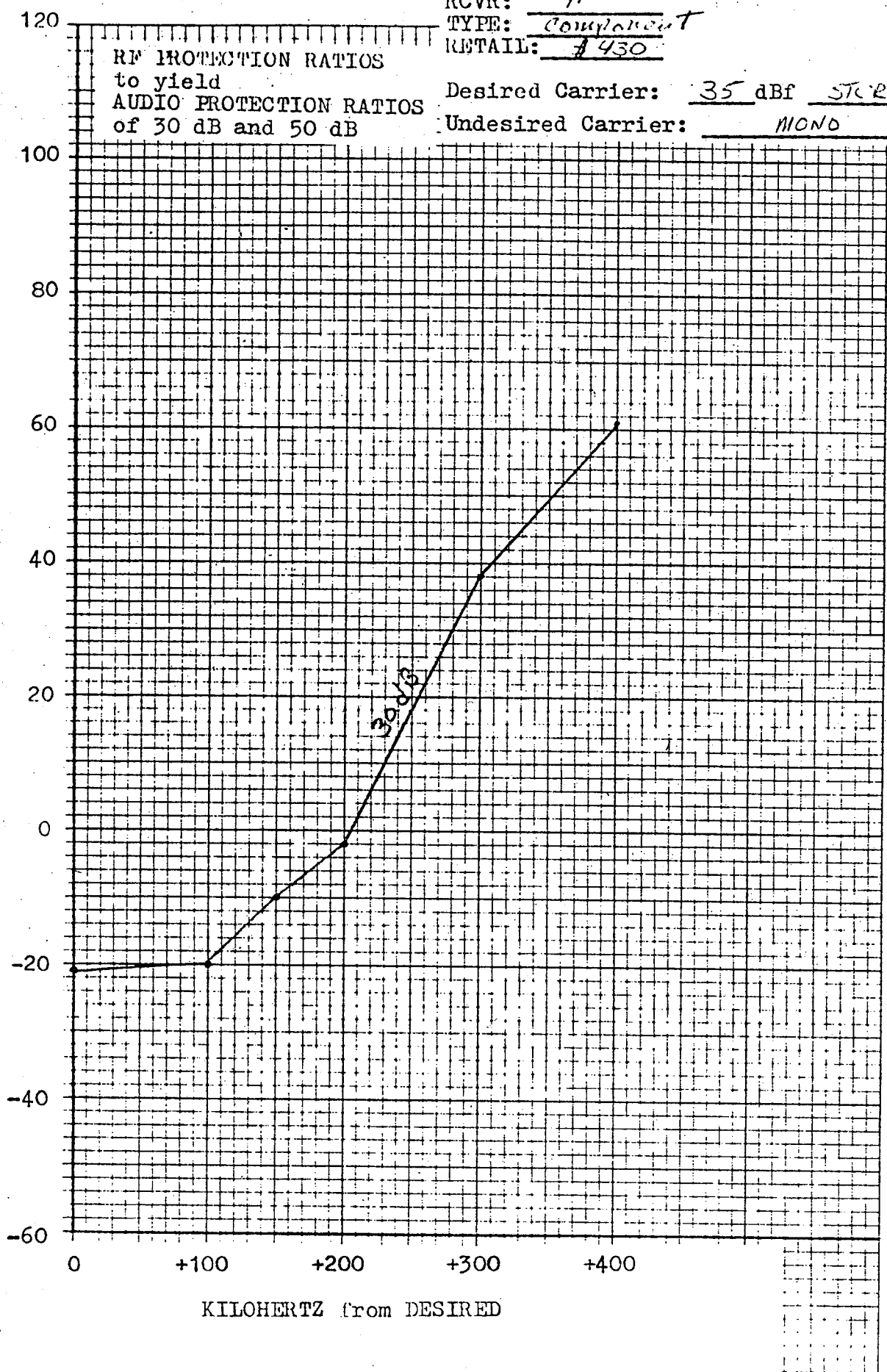


RCVR: A
TYPE: Complanet
RETAIL: 430

Desired Carrier: 35 dBf Stereo
Undesired Carrier: MONO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



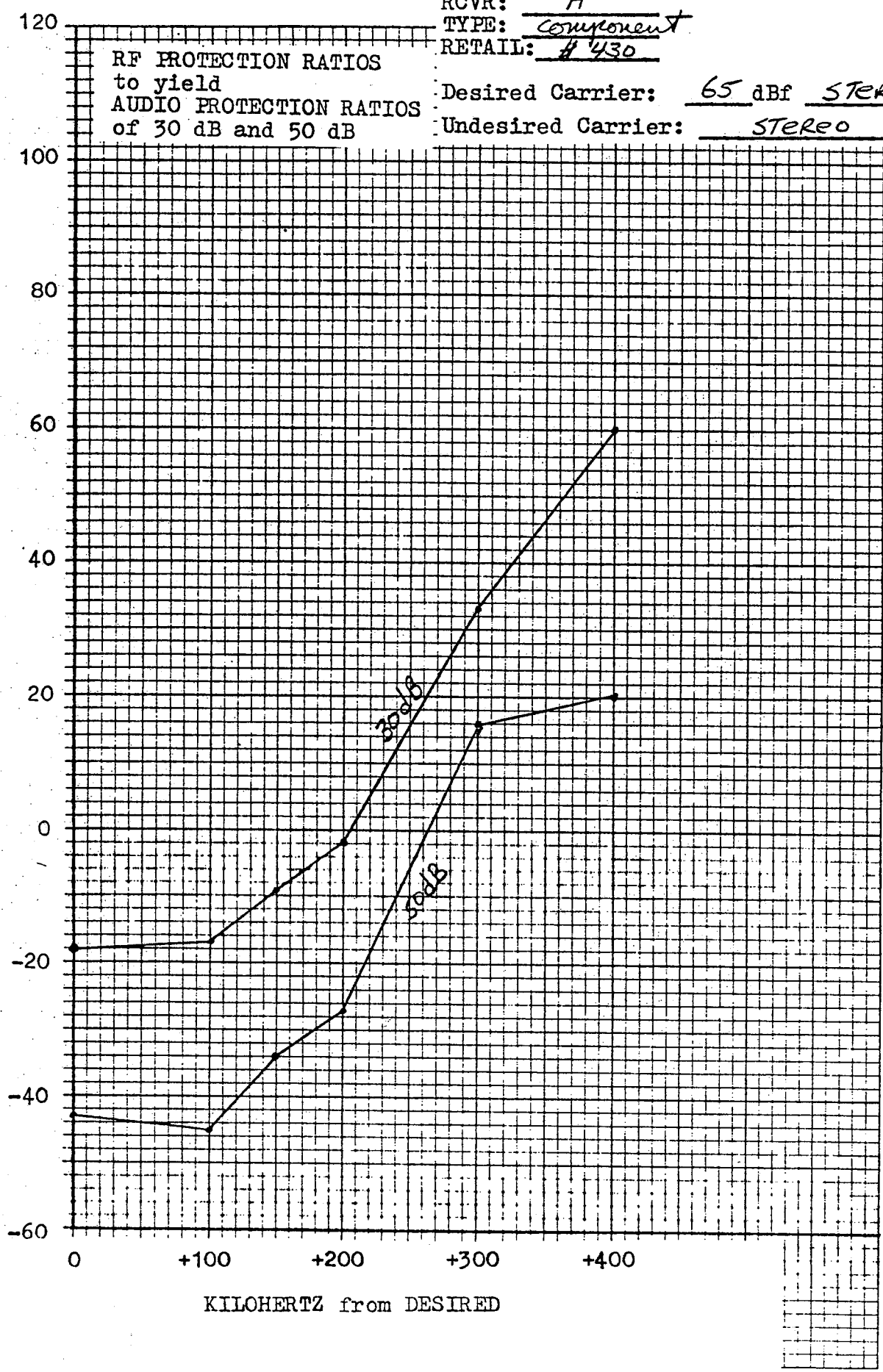
KILOHERTZ from DESIRED

RCVR: A
TYPE: Component
RETAIL: # 430

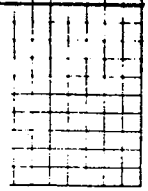
Desired Carrier: 65 dBf Stereo
Undesired Carrier: Stereo

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

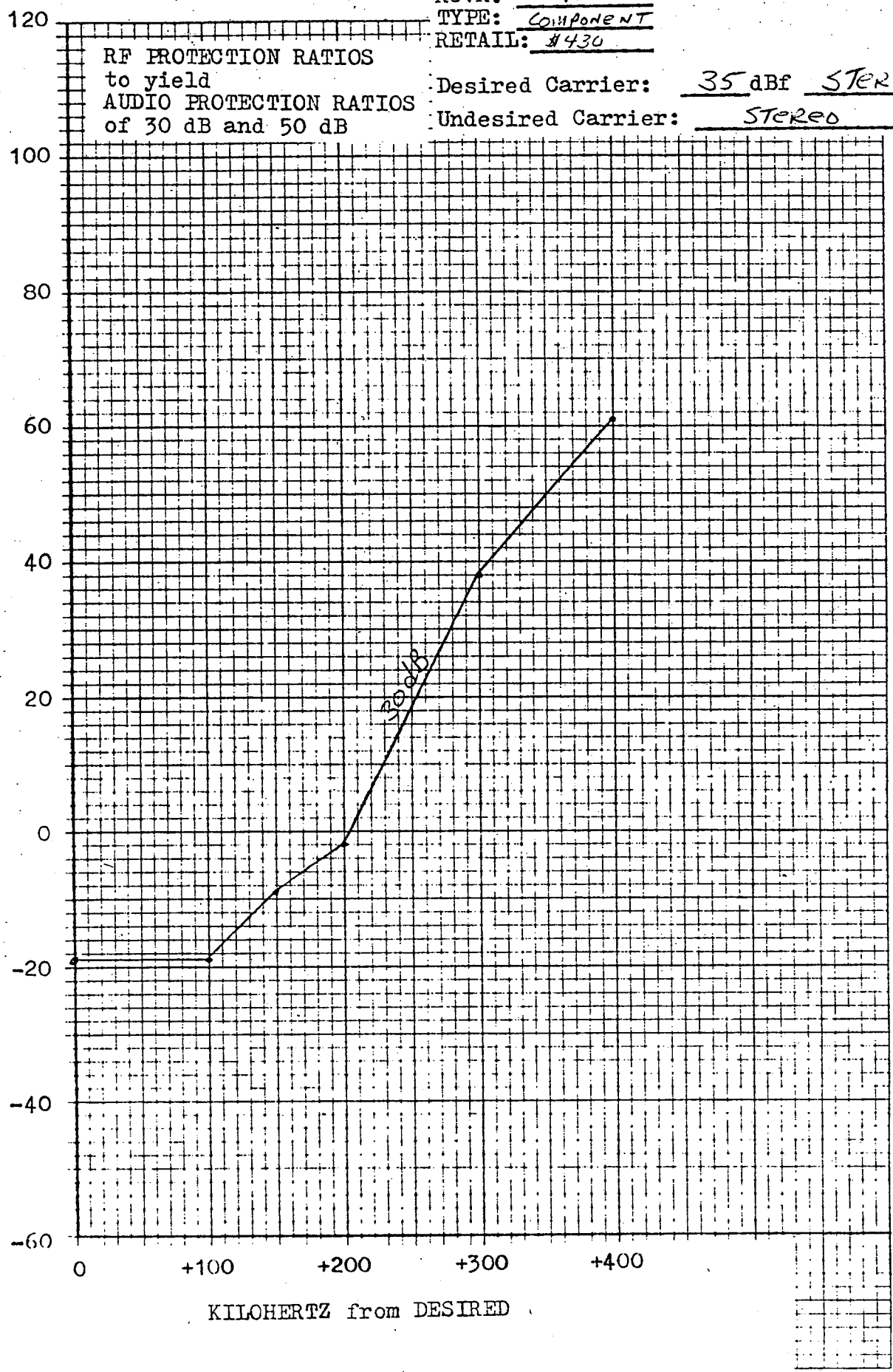


RCVR: A
TYPE: COMPONENT
RETAIL: \$430

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf STEREO
Undesired Carrier: STEREO

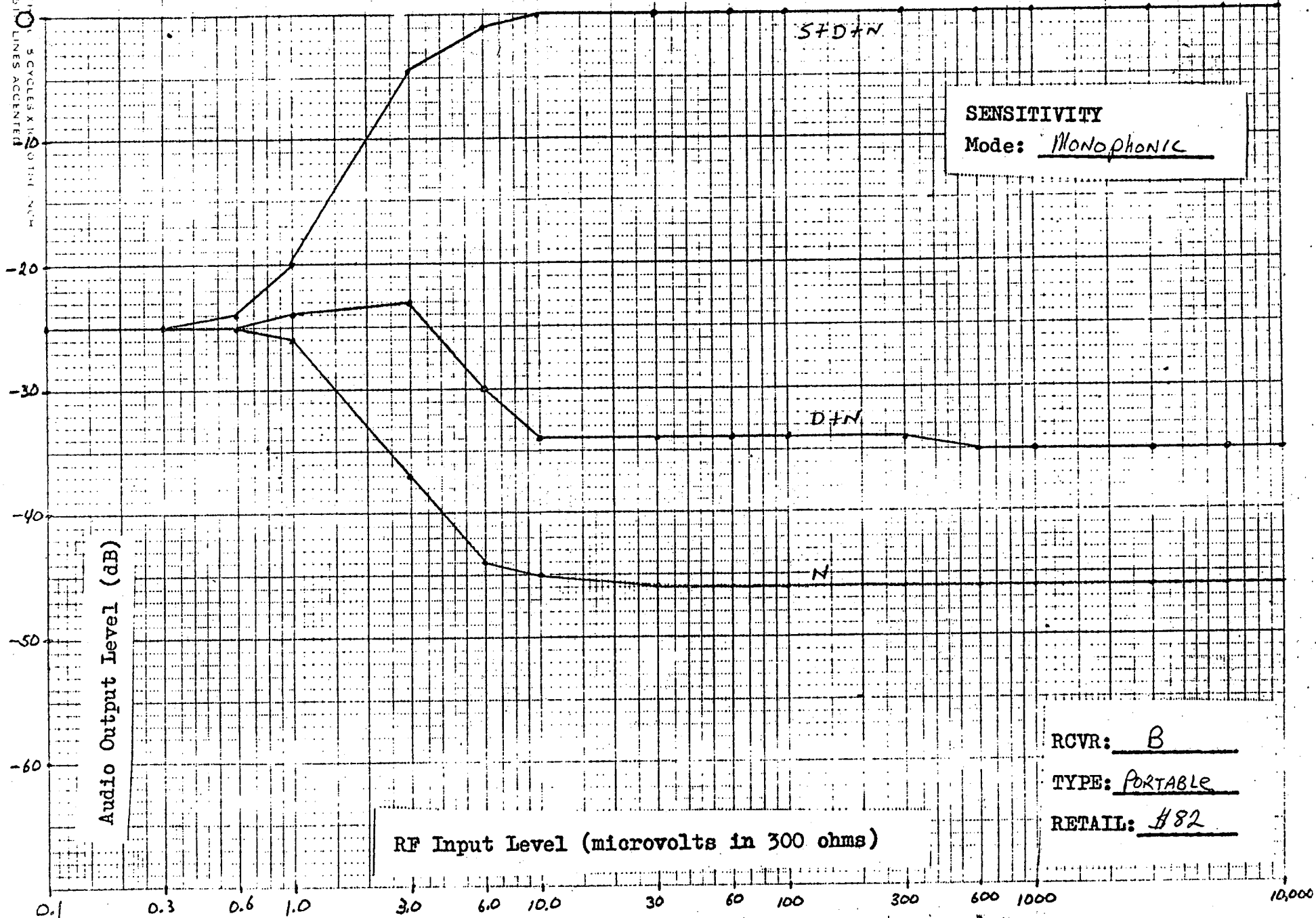
RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

RECEIVER "B"
TYPE Portable
RETAIL \$82

5 CYCLES AND THE NEXT
5 LINES ACCENTED



SENSITIVITY
Mode: MONOPHONIC

RF Input Level (microvolts in 300 ohms)

RCVR: B
TYPE: PORTABLE
RETAIL: #82

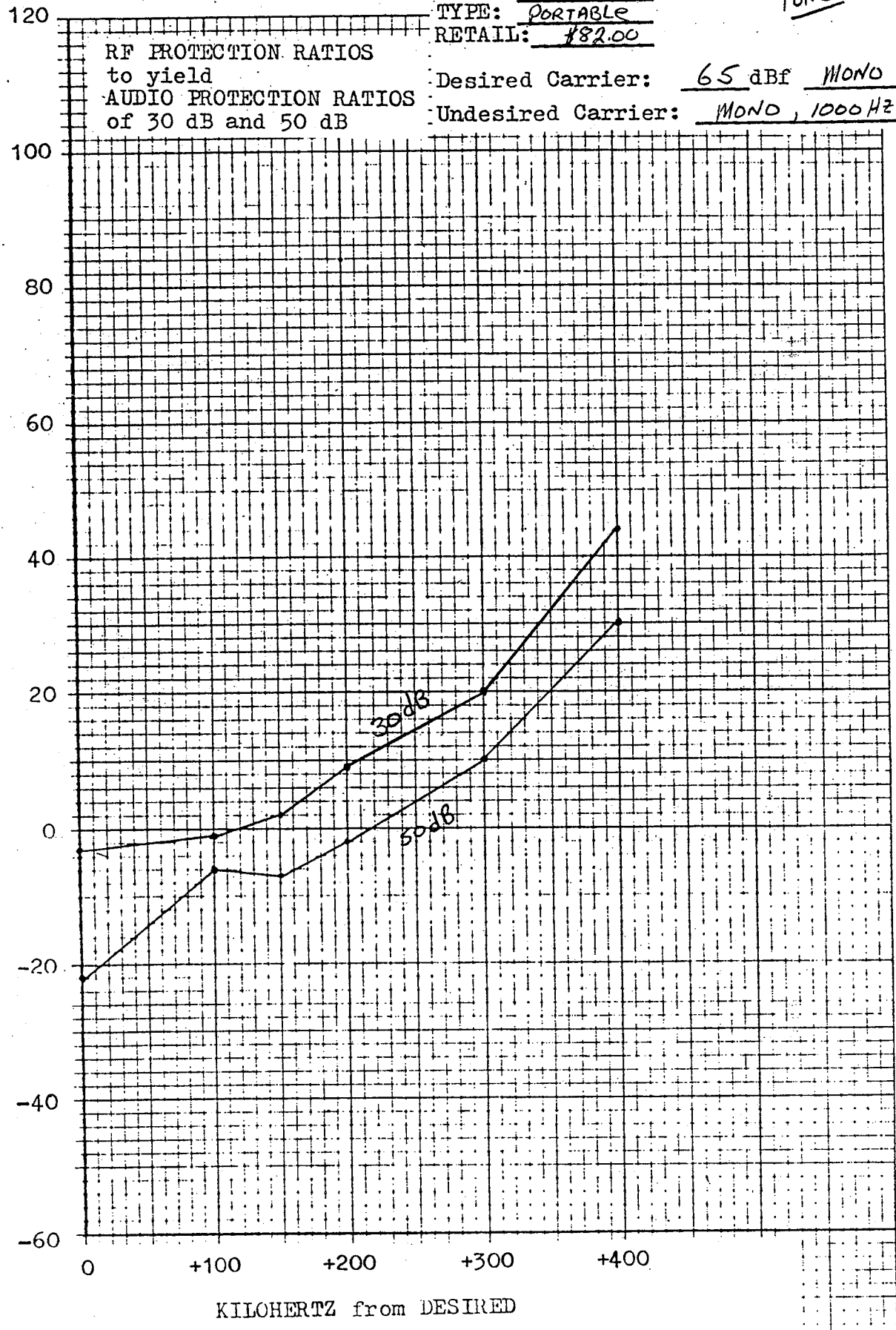
RCVR: B
TYPE: PORTABLE
RETAIL: \$82.00

Tone

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf MONO
Undesired Carrier: MONO, 1000 Hz Tones

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

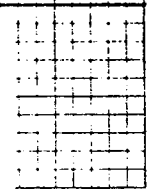
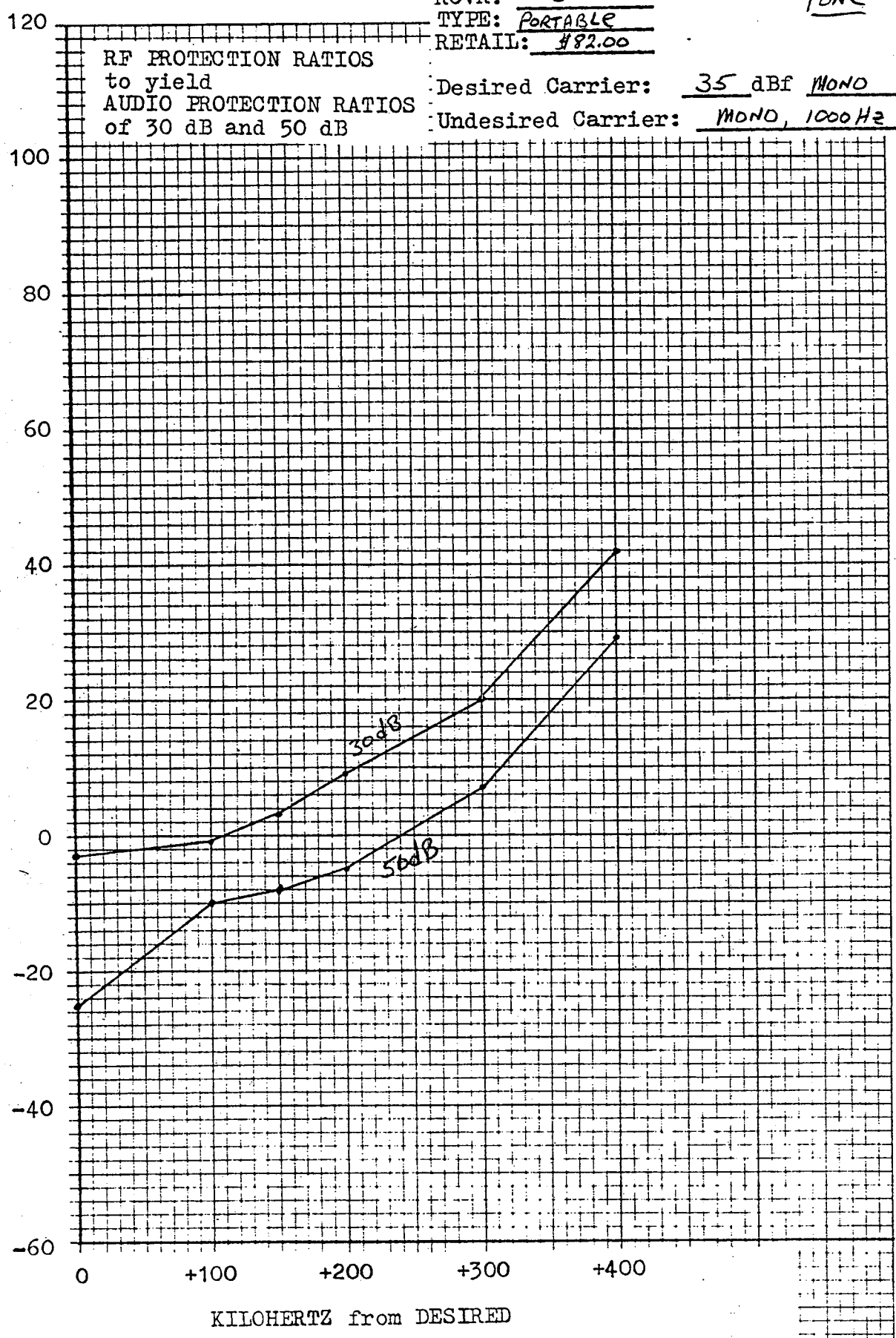
RCVR: B
TYPE: PORTABLE
RETAIL: \$82.00

TONE

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf MONO
Undesired Carrier: MONO, 1000 Hz TONE

RF PROTECTION RATIO (dB)

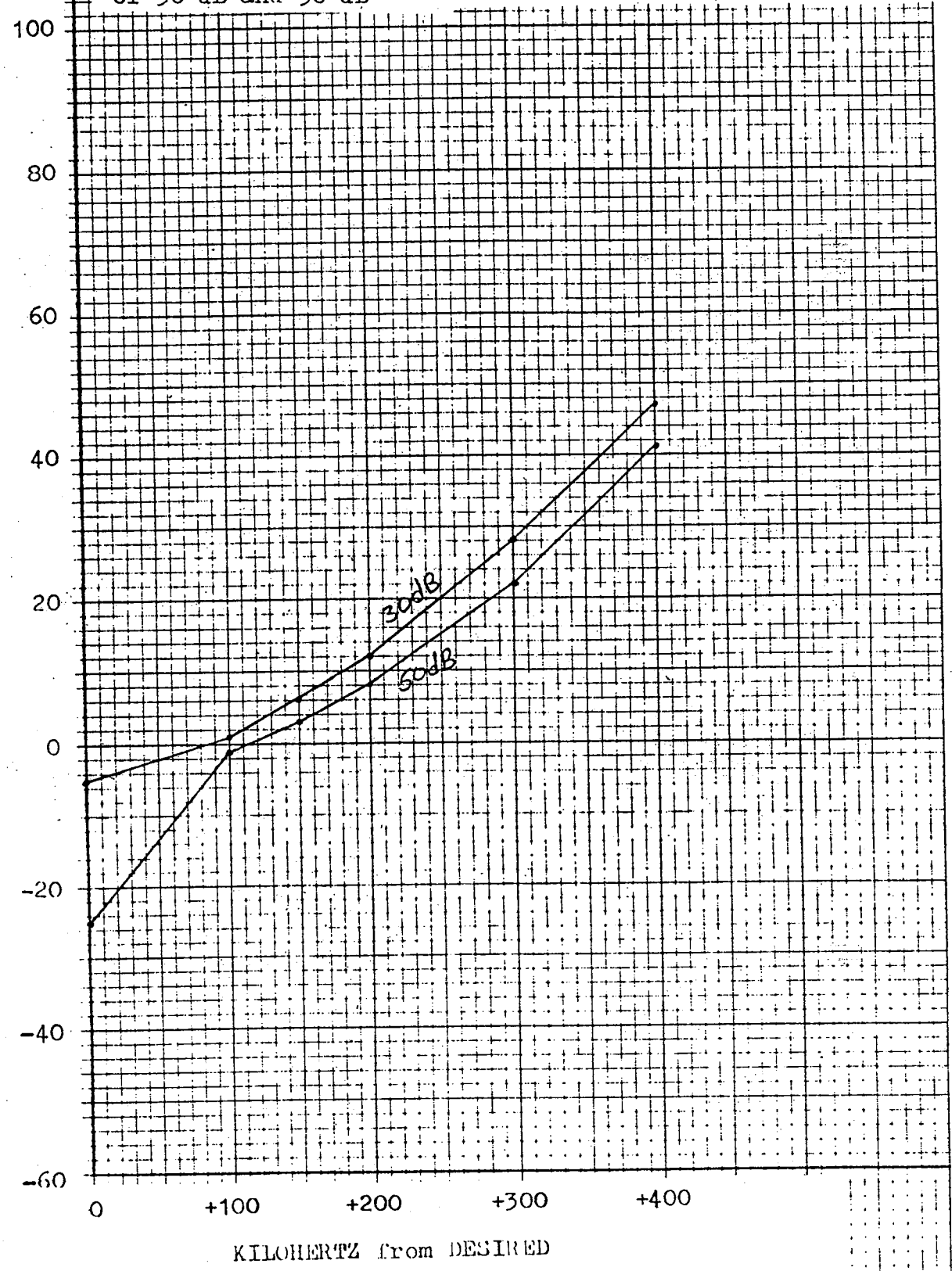


RCVR: B
TYPE: PORTABLE
RETAIL: \$82.00

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf MONO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

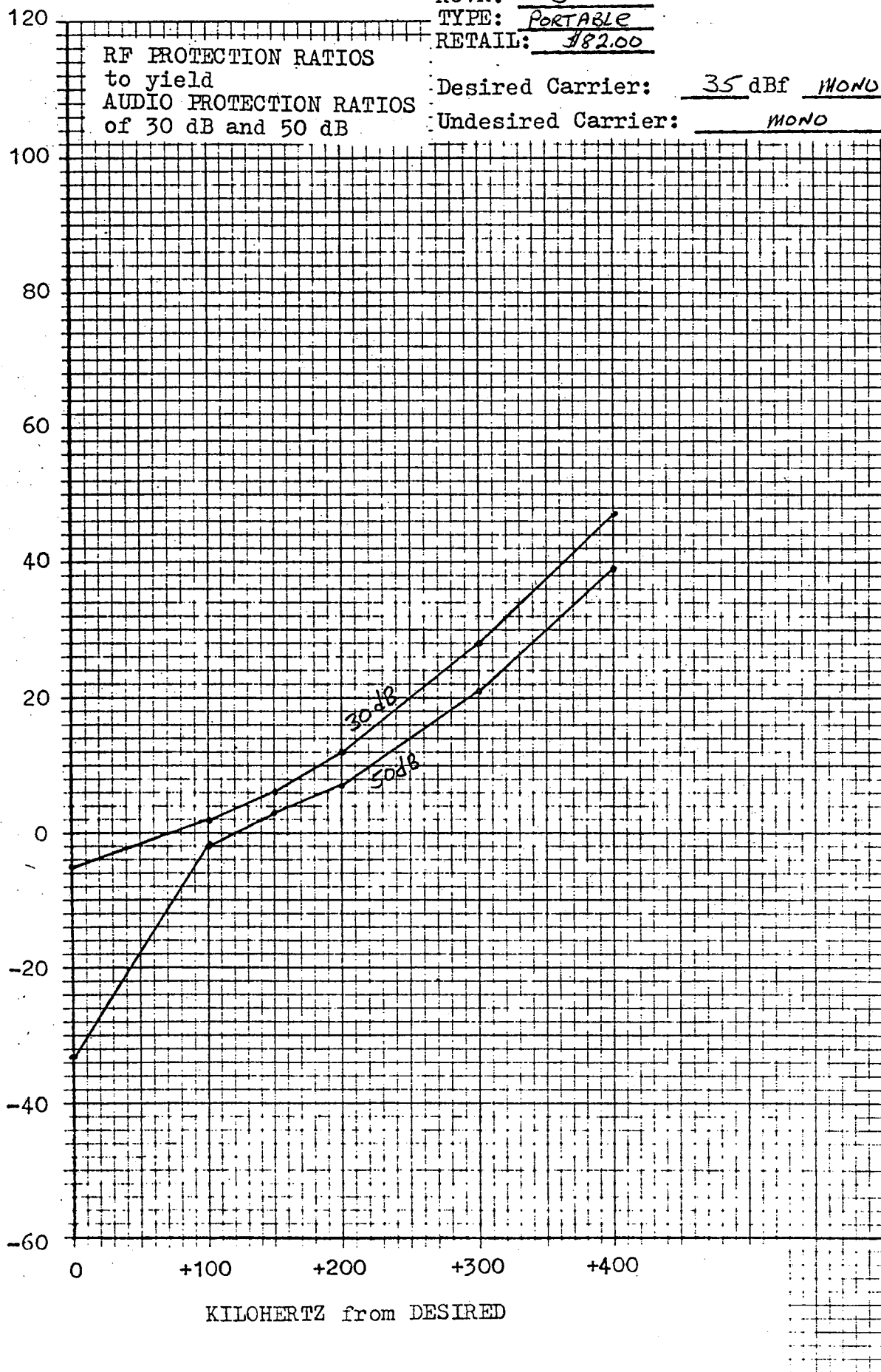


RCVR: 8
TYPE: PORTABLE
RETAIL: \$82.00

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dB MONO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

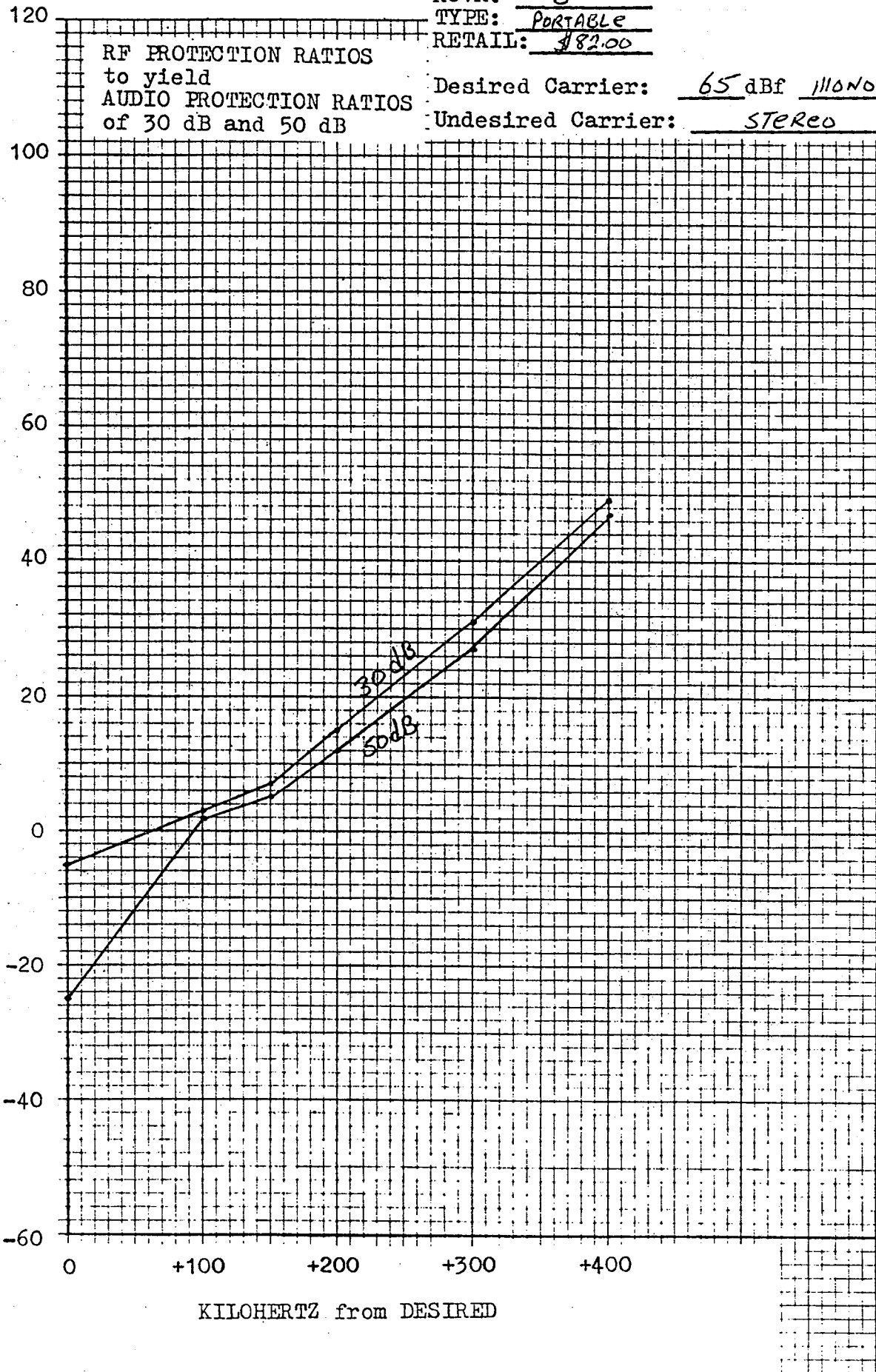


RCVR: B
TYPE: PORTABLE
RETAIL: \$82.00

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf 110N0
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



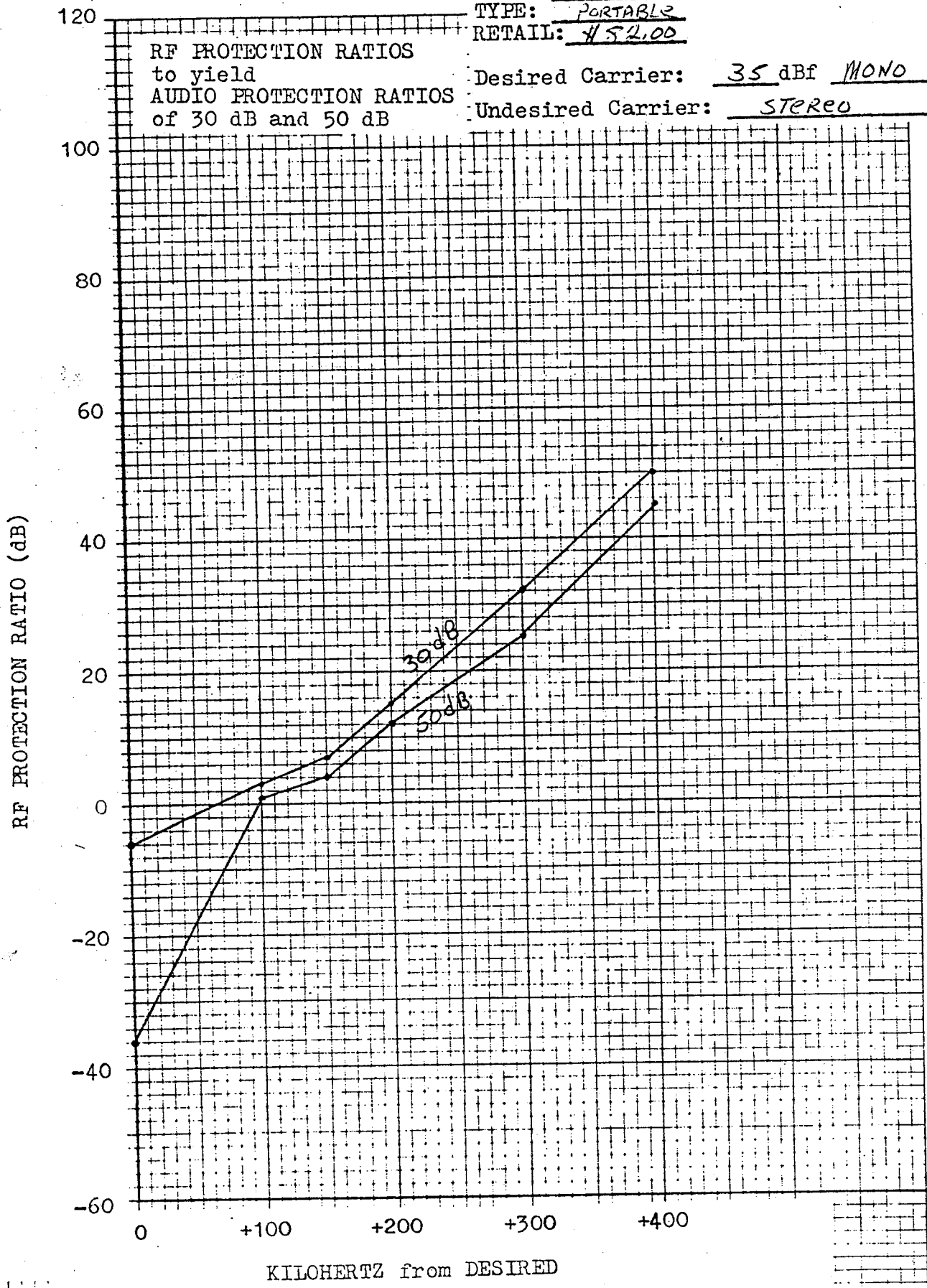
KILOHERTZ from DESIRED



RCVR: B
TYPE: PORTABLE
RETAIL: \$52.00

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf MONO
Undesired Carrier: STEREO



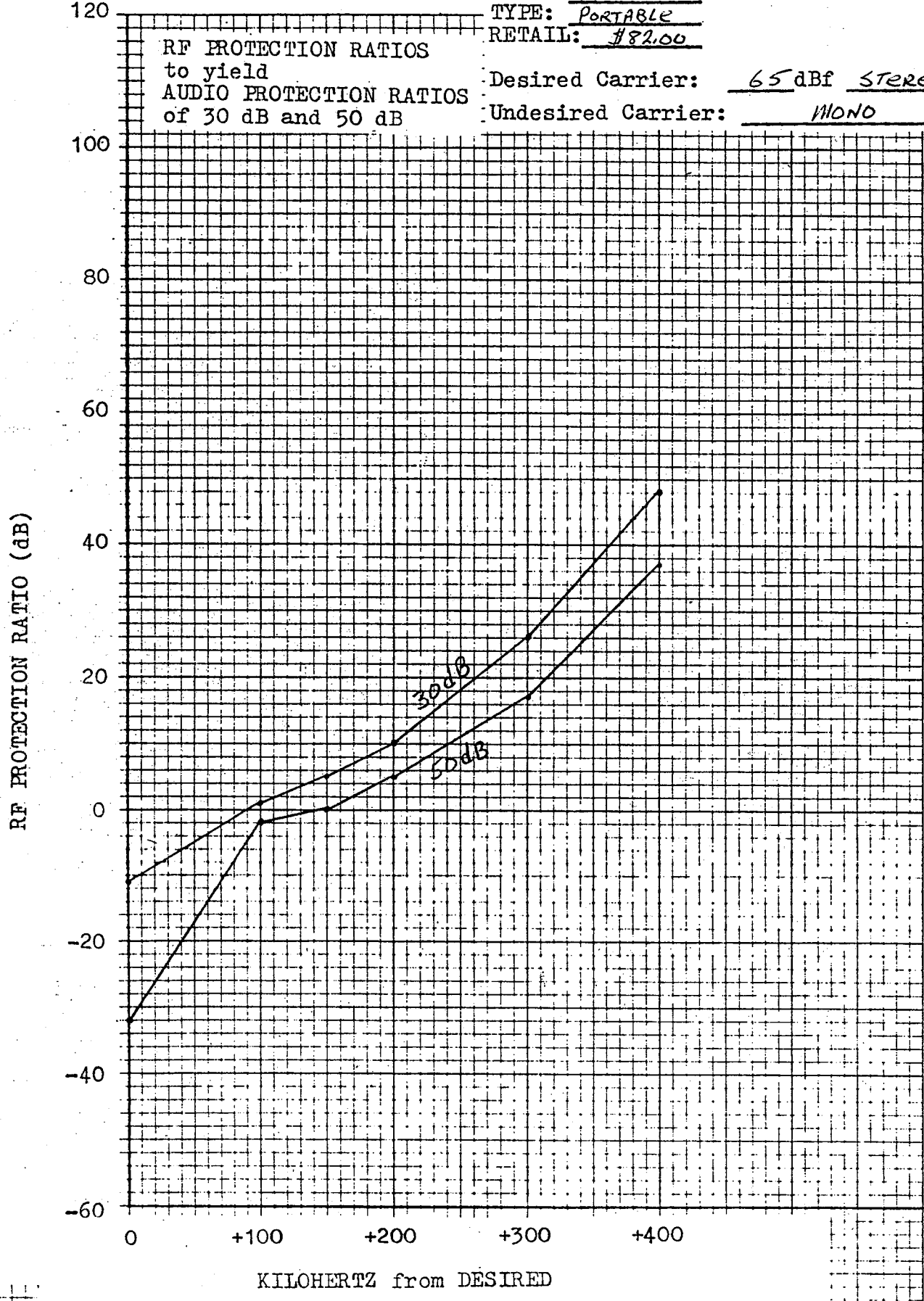
RF PROTECTION RATIO (dB)

KILOHERTZ from DESIRED

RCVR: B
TYPE: PORTABLE
RETAIL: \$82.00

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf STEREO
Undesired Carrier: MONO



RF PROTECTION RATIO (dB)

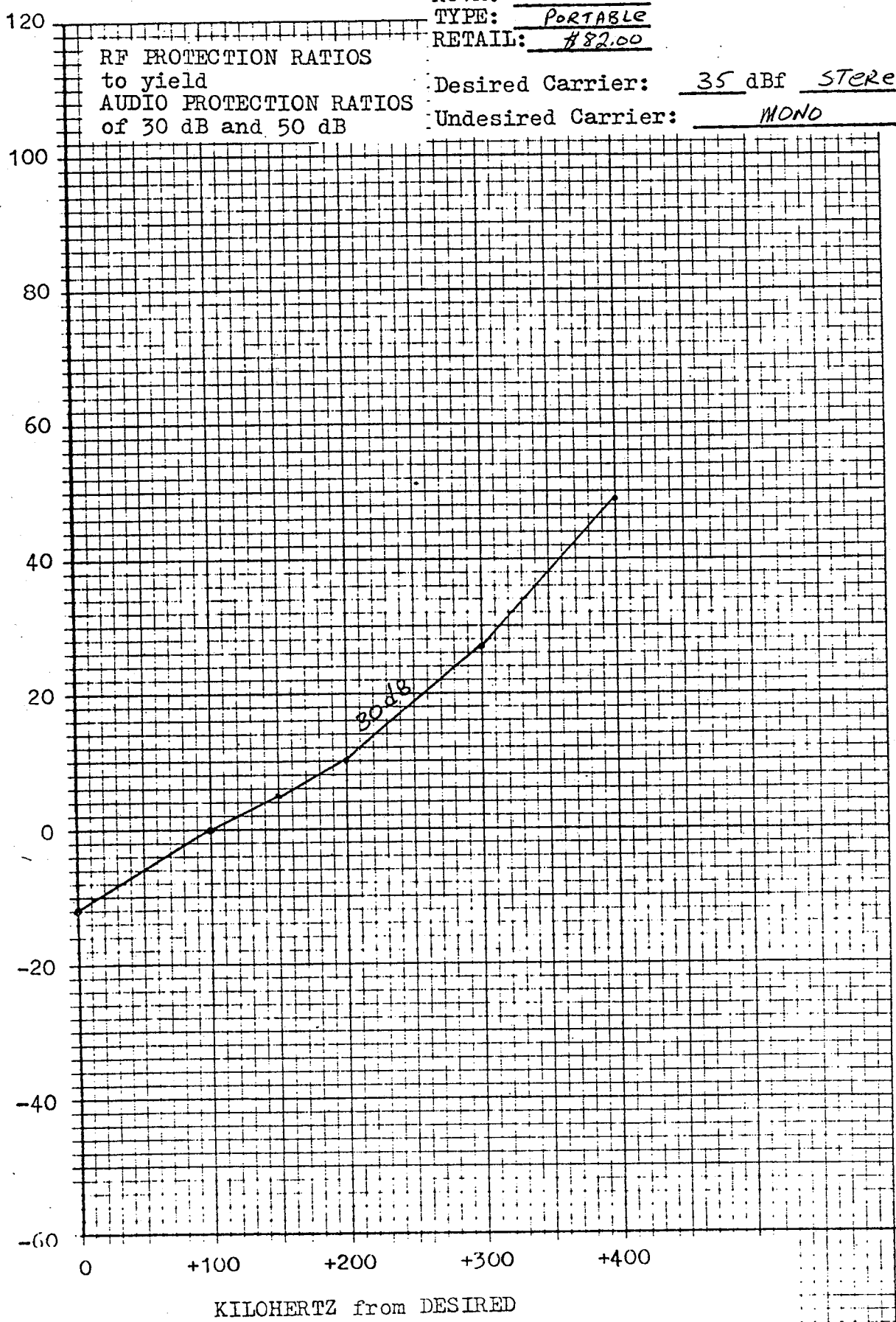
KILOHERTZ from DESIRED

RCVR: B
 TYPE: PORTABLE
 RETAIL: \$82.00

RF PROTECTION RATIOS
 to yield
 AUDIO PROTECTION RATIOS
 of 30 dB and 50 dB

Desired Carrier: 35 dBf Stereo
 Undesired Carrier: MONO

RF PROTECTION RATIO (dB)

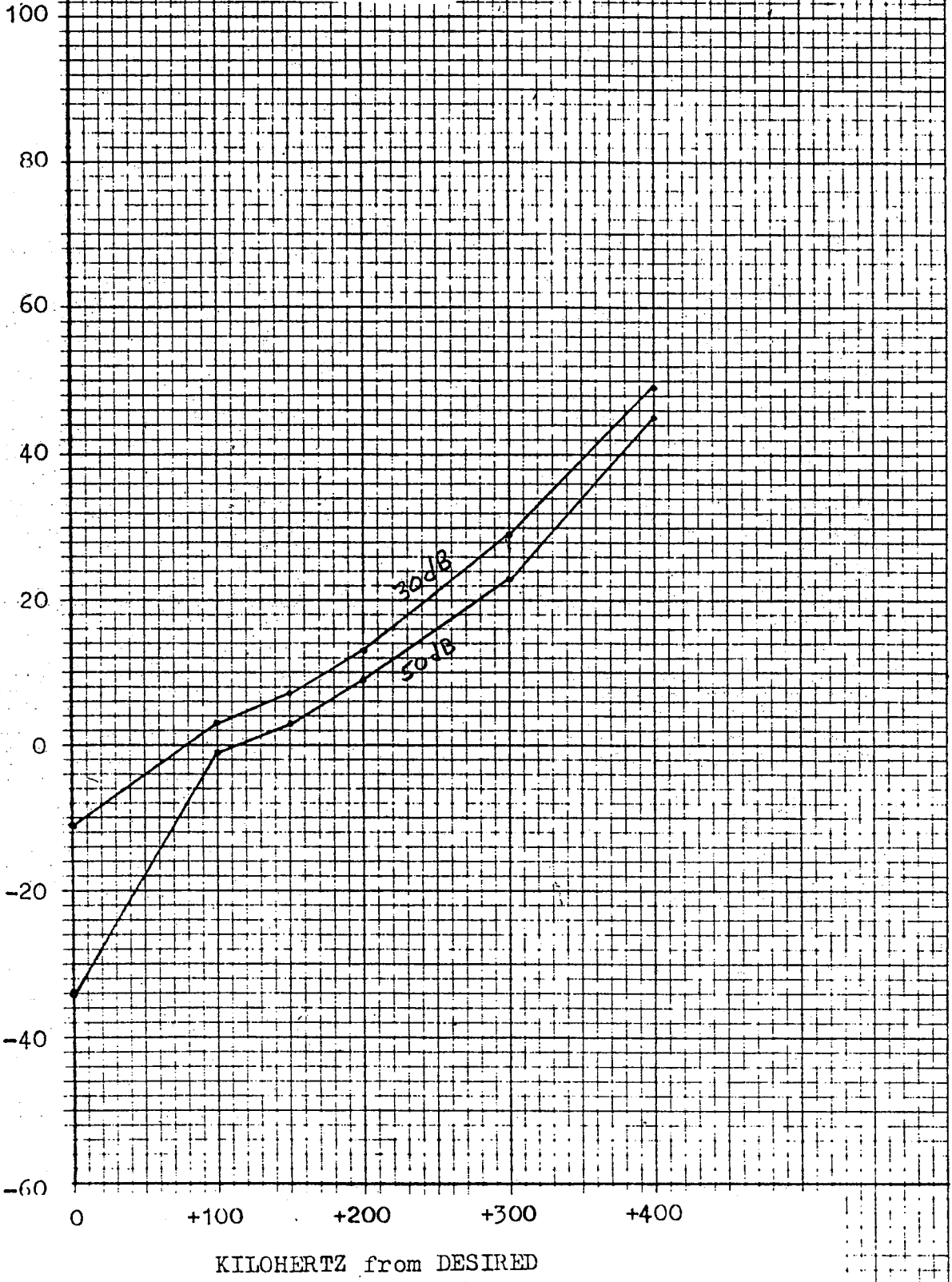


RCVR: B
TYPE: PORTABLE
RETAIL: #82

Desired Carrier: 65 dBf Stereo
Undesired Carrier: STEREO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)

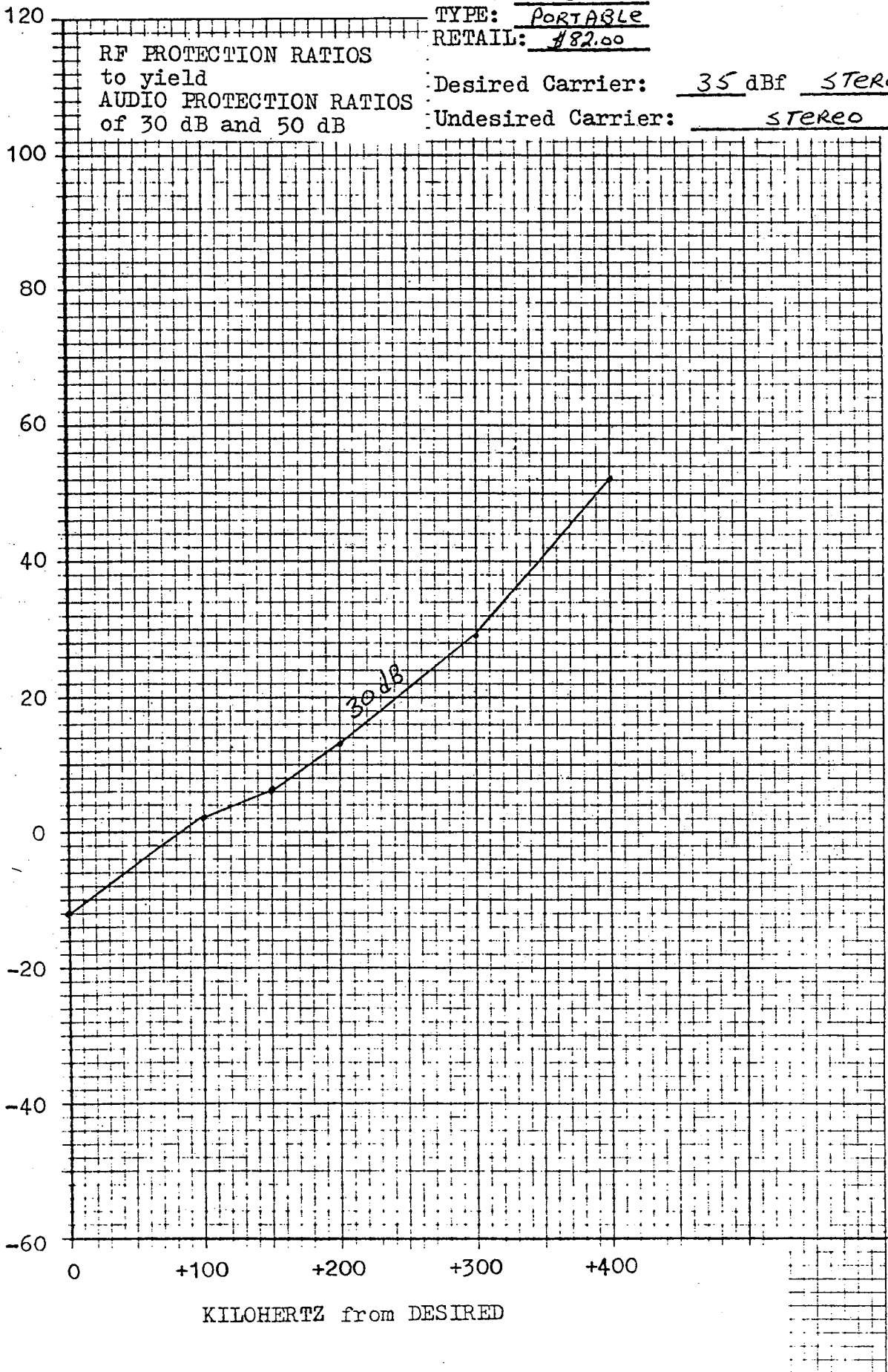


RCVR: B
TYPE: PORTABLE
RETAIL: \$82.00

Desired Carrier: 35 dBf STEREO
Undesired Carrier: STEREO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

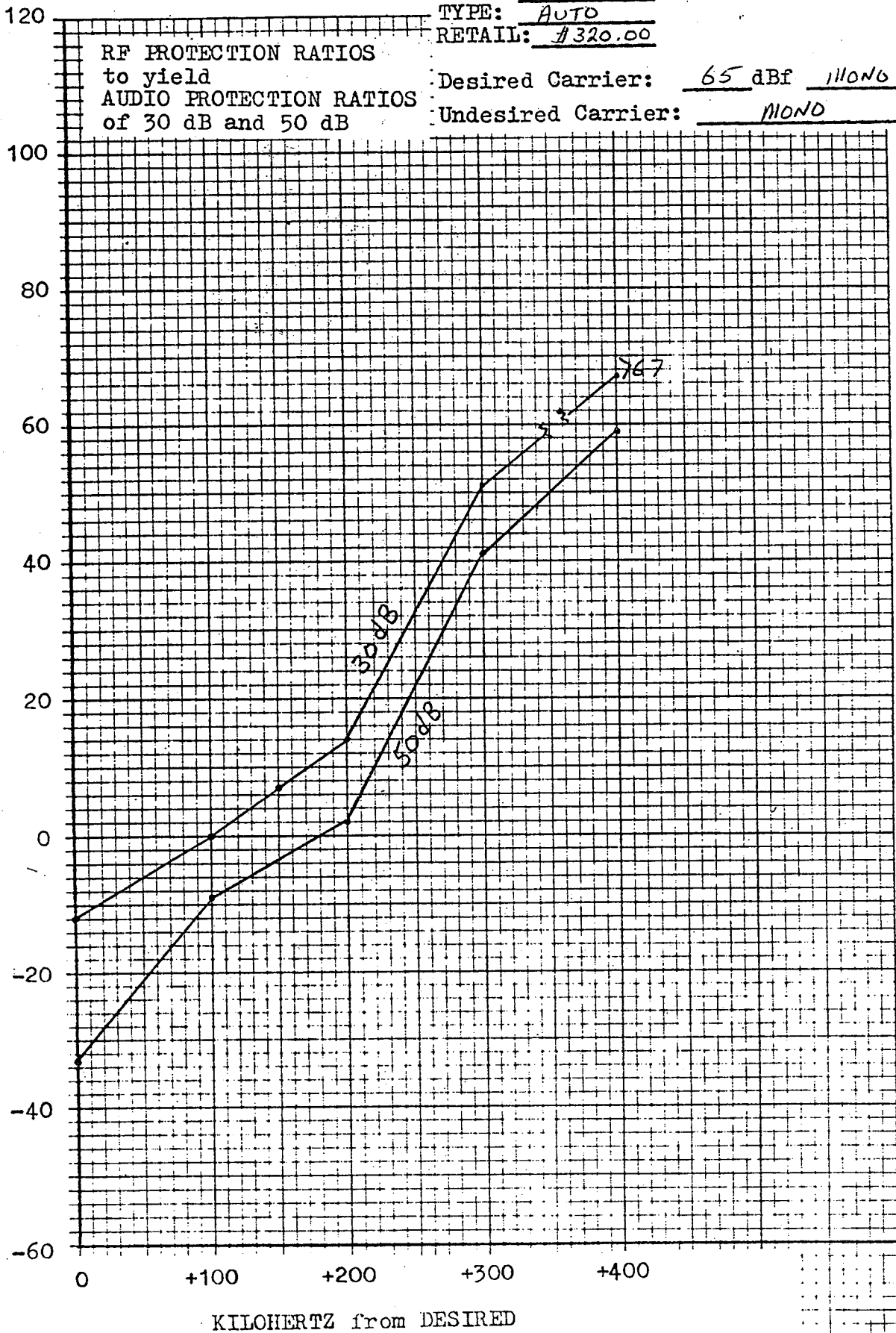
RECEIVER	"C"
TYPE	Auto
RETAIL	\$320

RCVR: C
TYPE: AUTO
RETAIL: \$320.00

Desired Carrier: 65 dB 110N6
Undesired Carrier: 110N0

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)

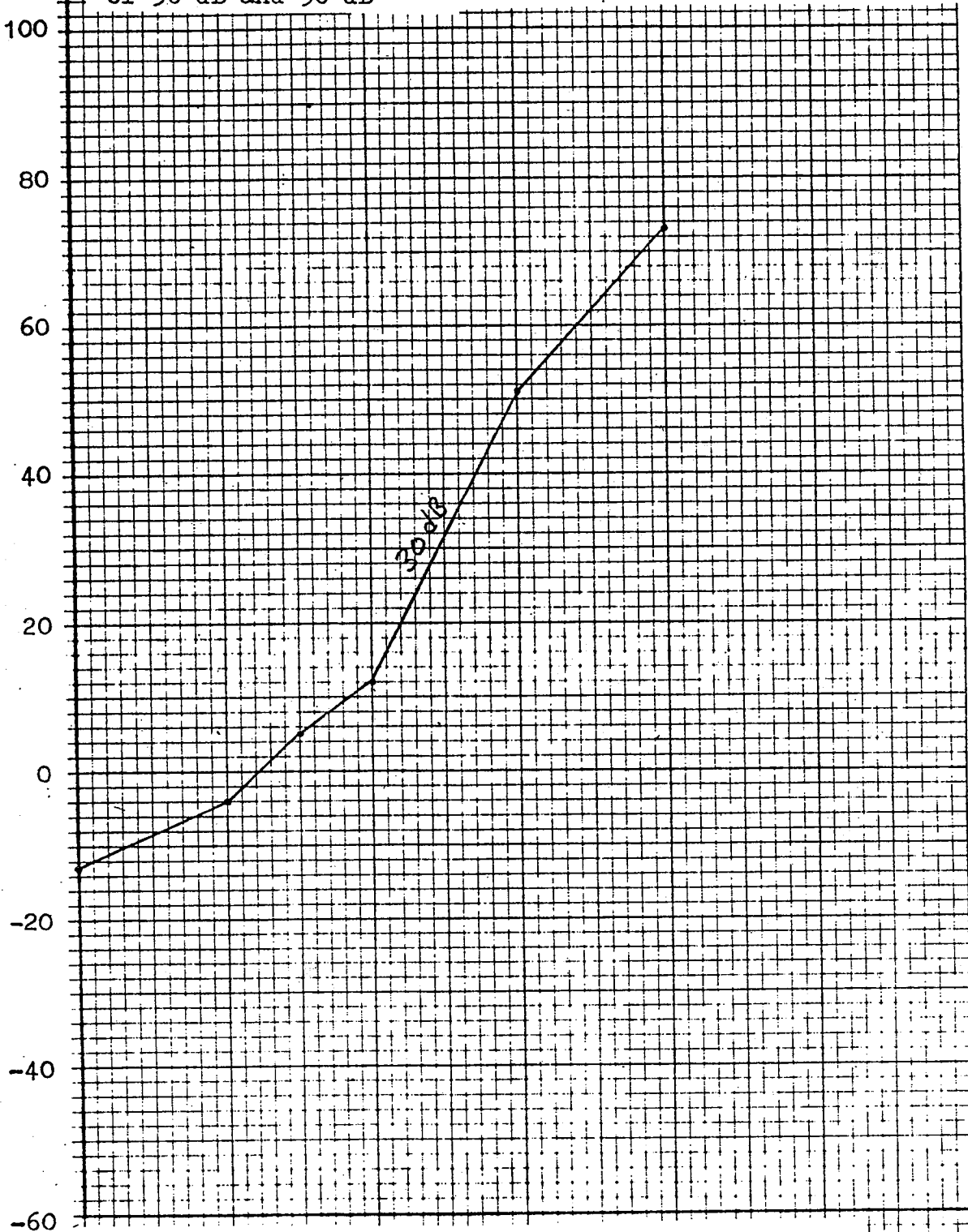


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TYPE: AUTO
RETAIL: #320

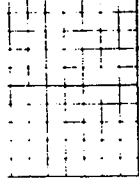
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf MONO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



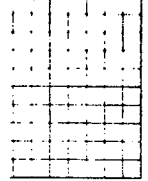
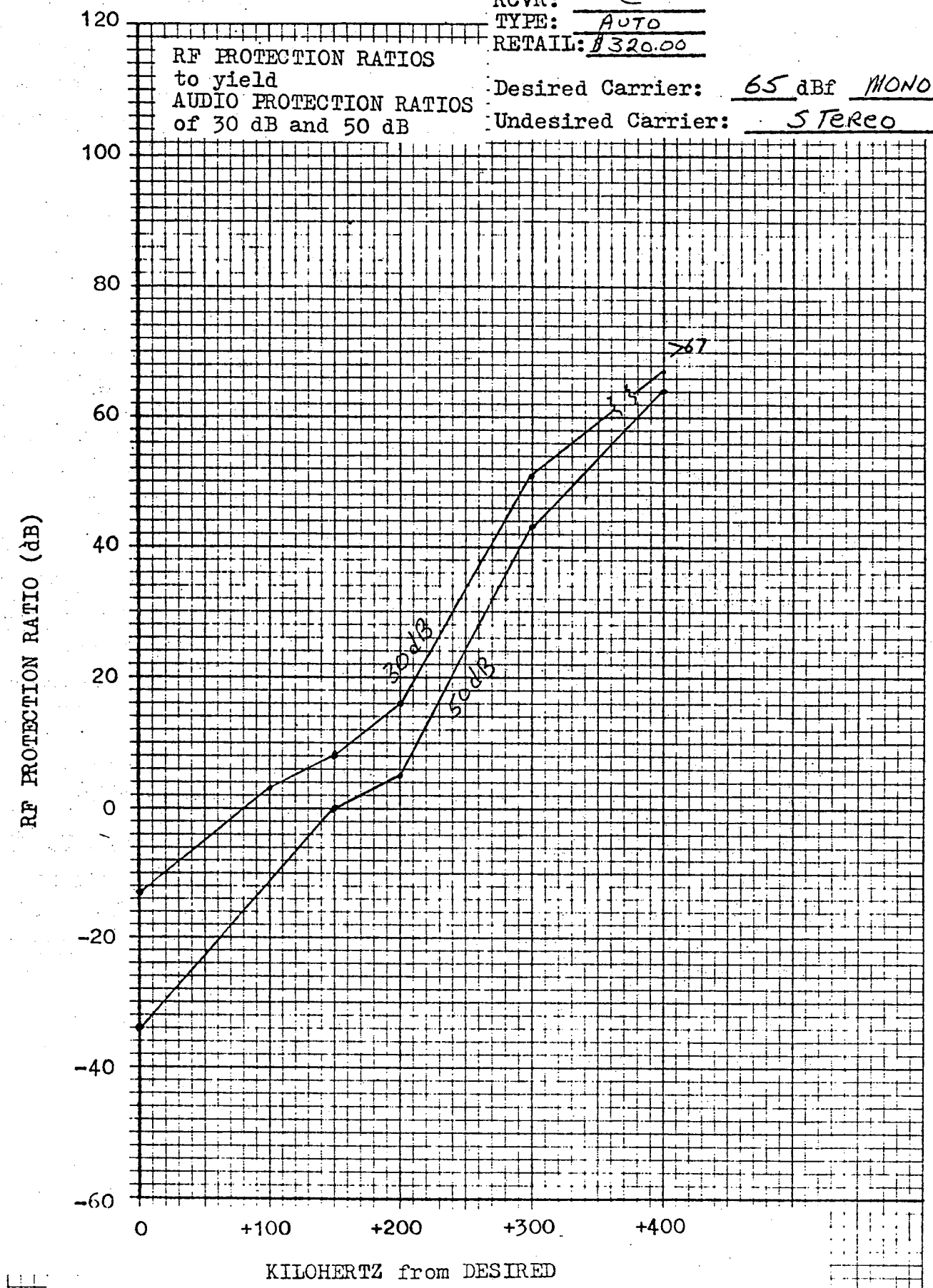
KILOHERTZ from DESIRED



RCVR: C
 TYPE: AUTO
 RETAIL: \$320.00

RF PROTECTION RATIOS
 to yield
 AUDIO PROTECTION RATIOS
 of 30 dB and 50 dB

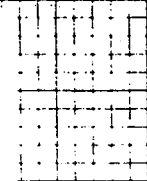
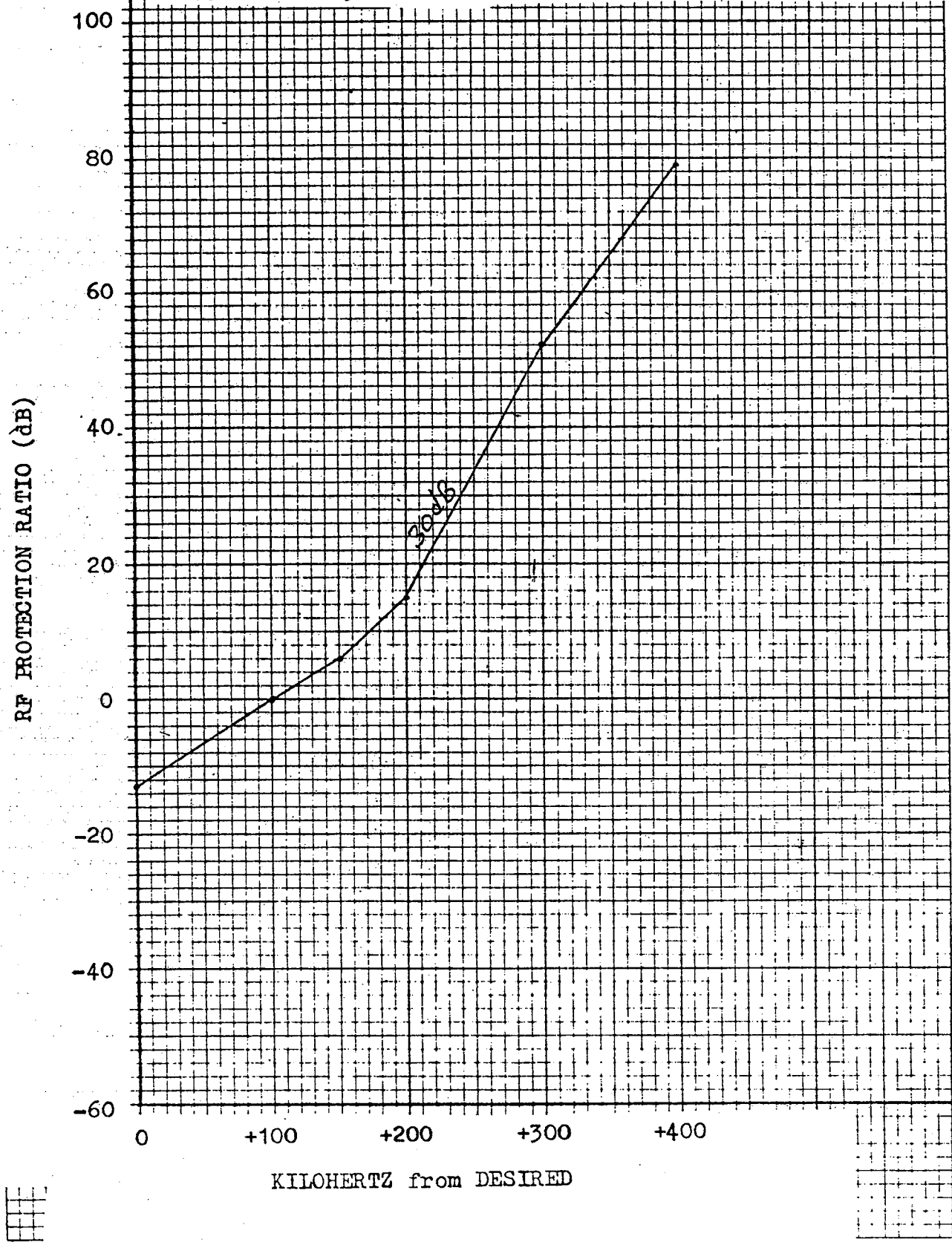
Desired Carrier: 65 dBf MONO
 Undesired Carrier: STEREO



RCVR: C
TYPE: AUTO
RETAIL: \$320.00

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf MONO
Undesired Carrier: STEREO

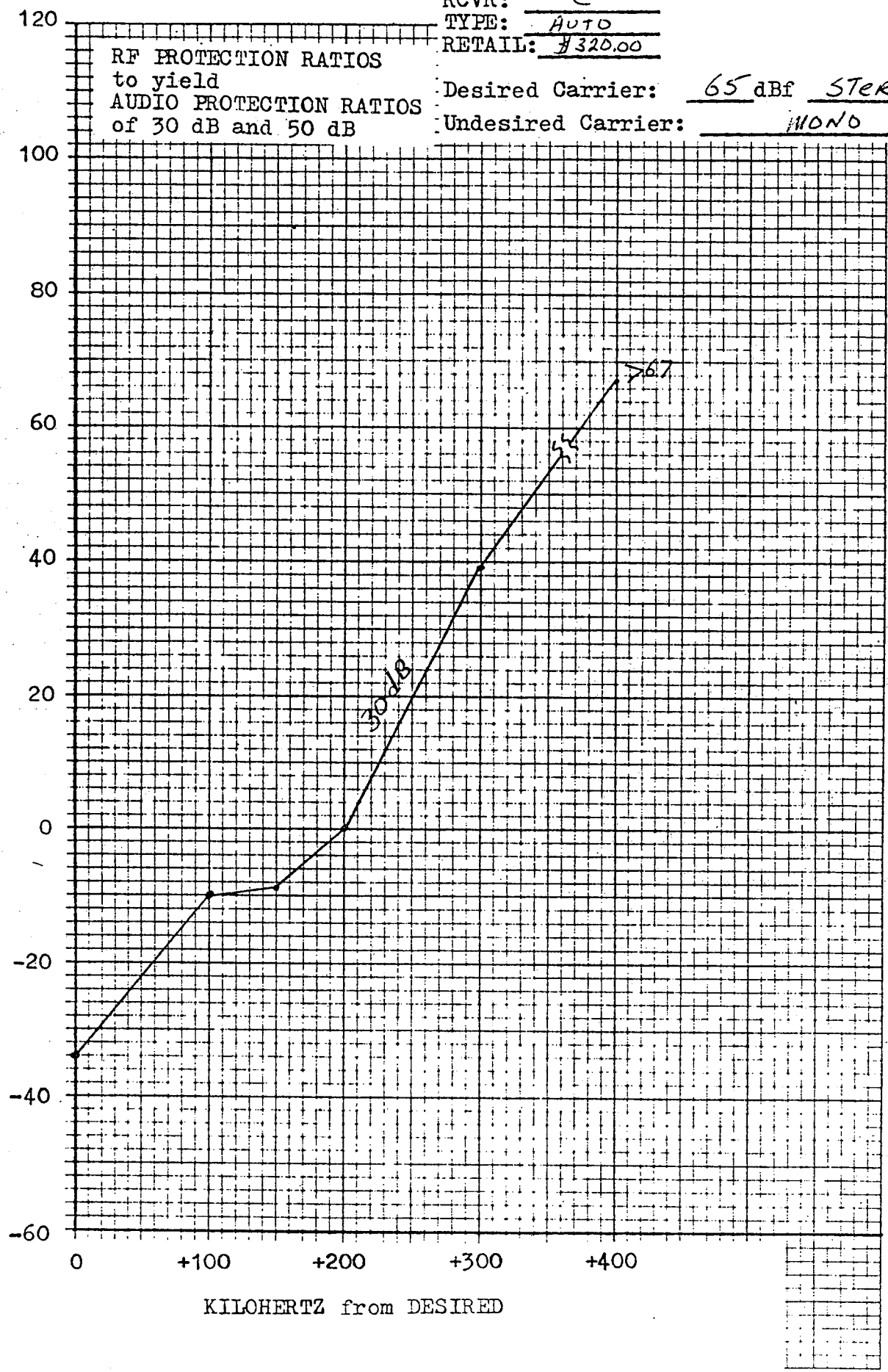


RCVR: C
TYPE: AUTO
RETAIL: \$320.00

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf Stereo
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



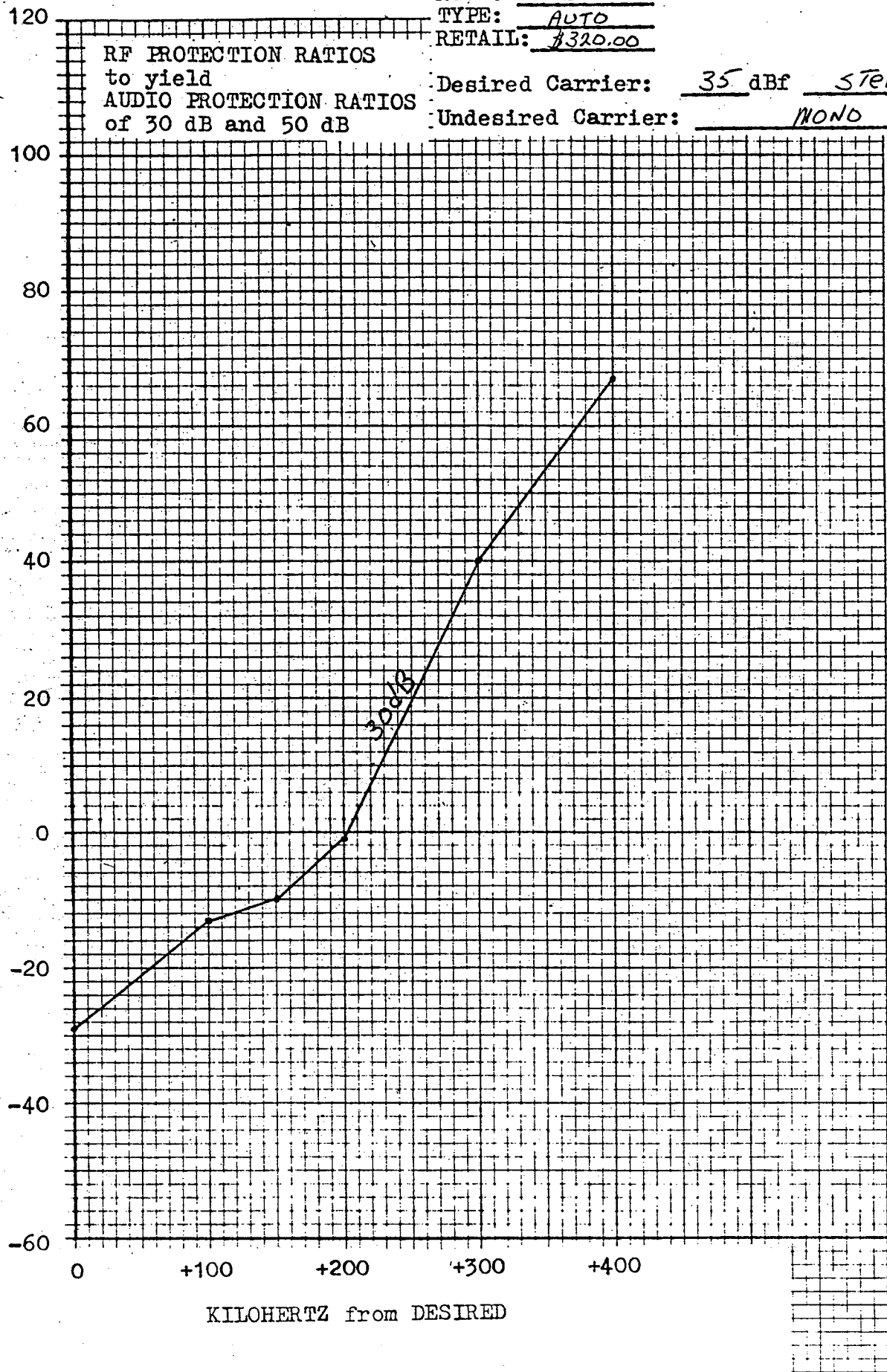
KILOHERTZ from DESIRED

RCVR: C
 TYPE: AUTO
 RETAIL: \$320.00

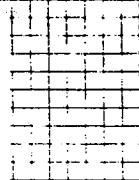
RF PROTECTION RATIOS
 to yield
 AUDIO PROTECTION RATIOS
 of 30 dB and 50 dB

Desired Carrier: 35 dBf STEREO
 Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



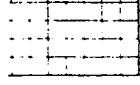
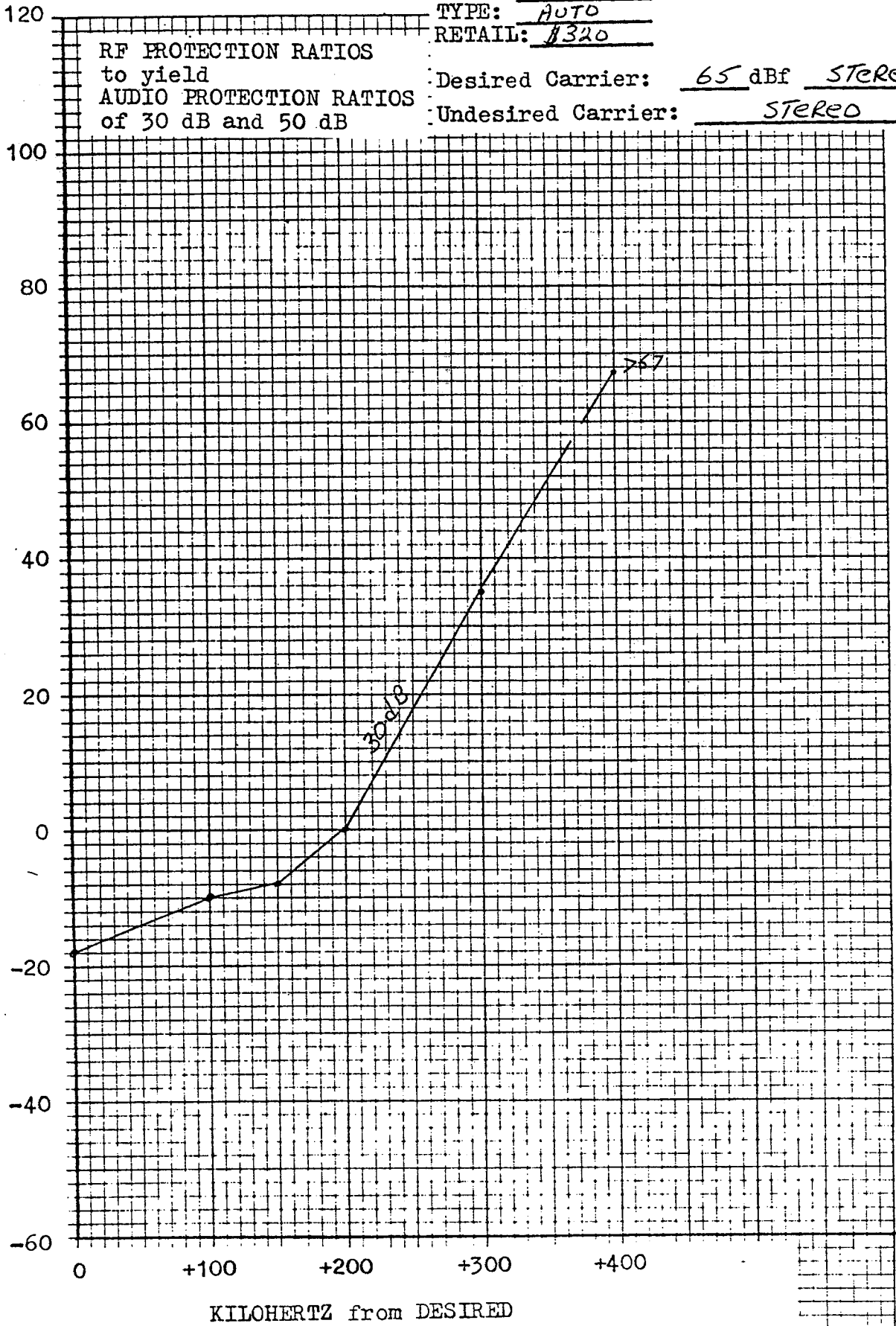
7.

RCVR: C
TYPE: AUTO
RETAIL: #320

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf STEREO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)

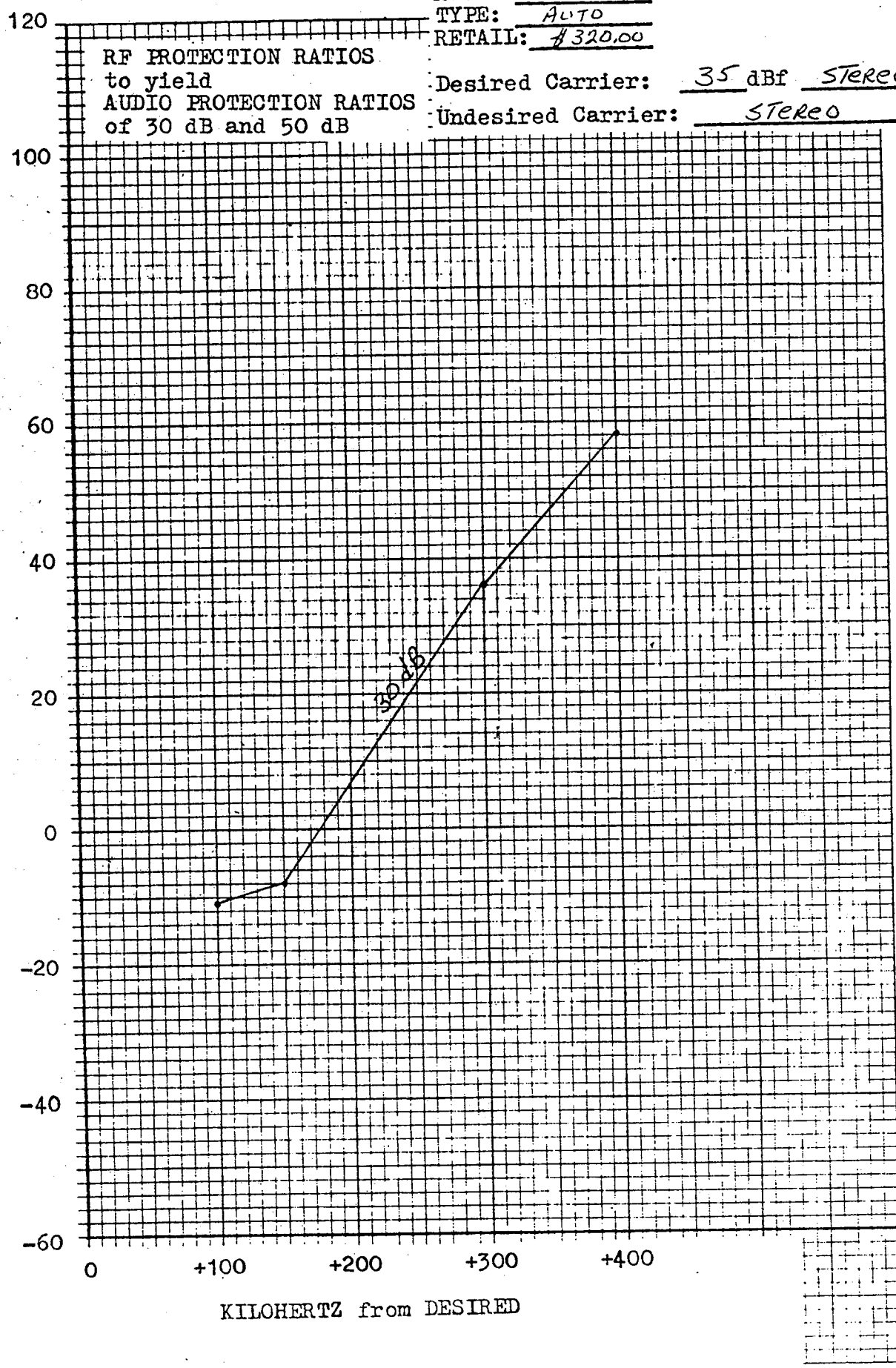


RCVR: C
 TYPE: AUTO
 RETAIL: \$320.00

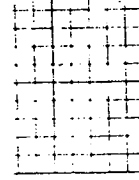
RF PROTECTION RATIOS
 to yield
 AUDIO PROTECTION RATIOS
 of 30 dB and 50 dB

Desired Carrier: 35 dBf STEREO
 Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)

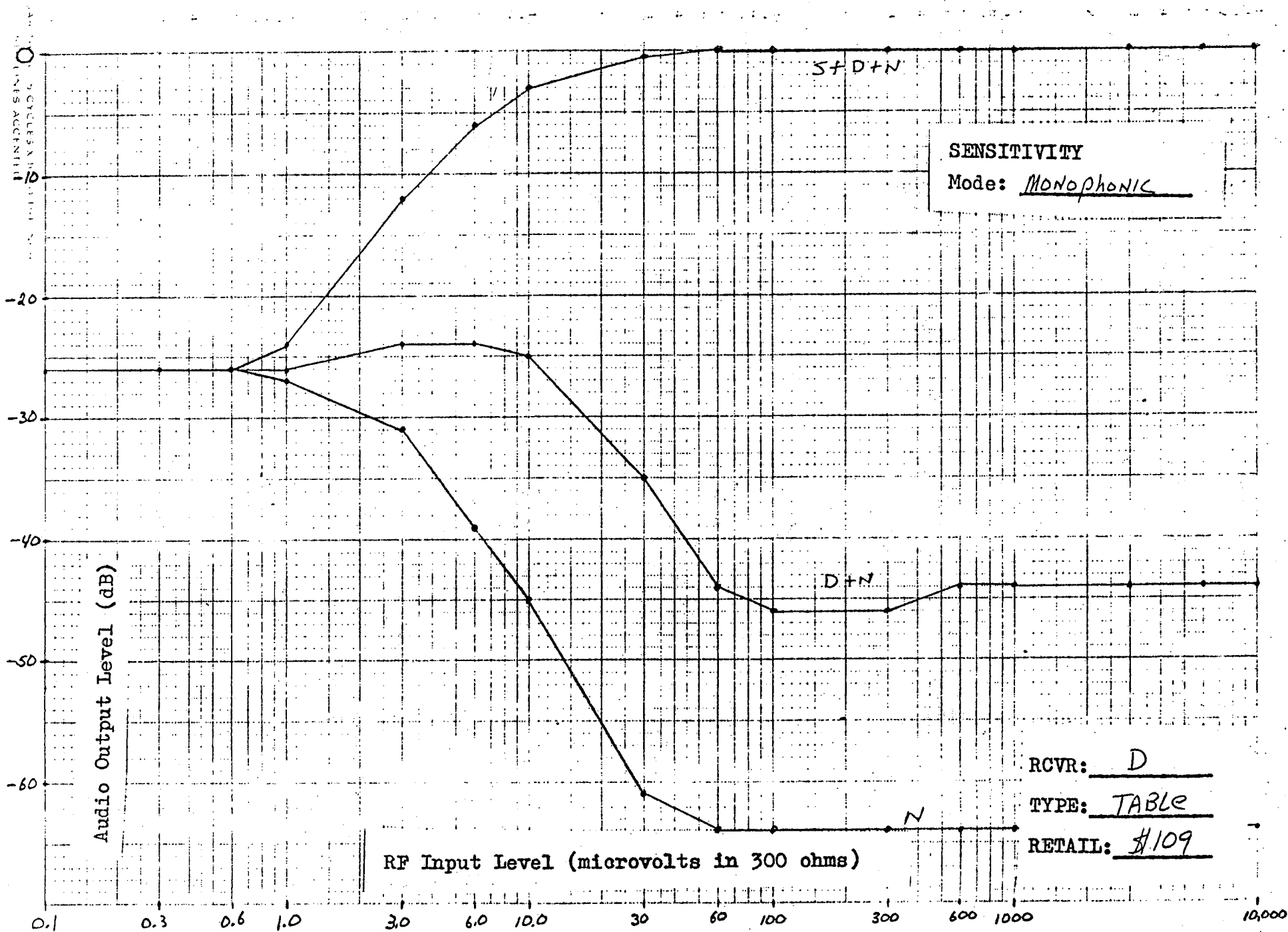


KILOHERTZ from DESIRED



RECEIVER
TYPE
RETAIL

"D"
Table
\$109



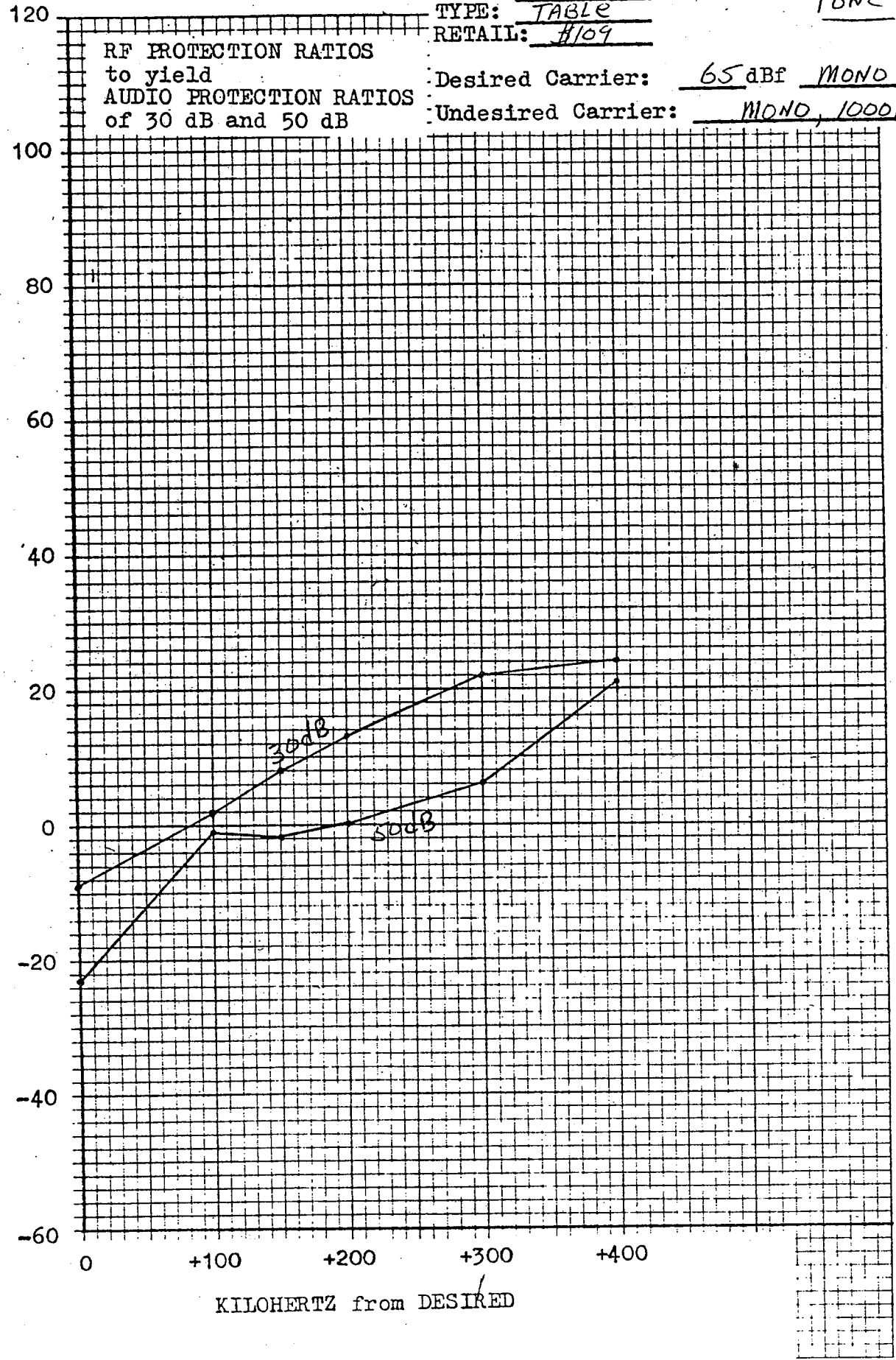
RCVR: D
TYPE: TABLE
RETAIL: #109

TONE

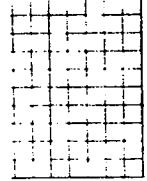
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf MONO
Undesired Carrier: MONO, 1000Hz TONE

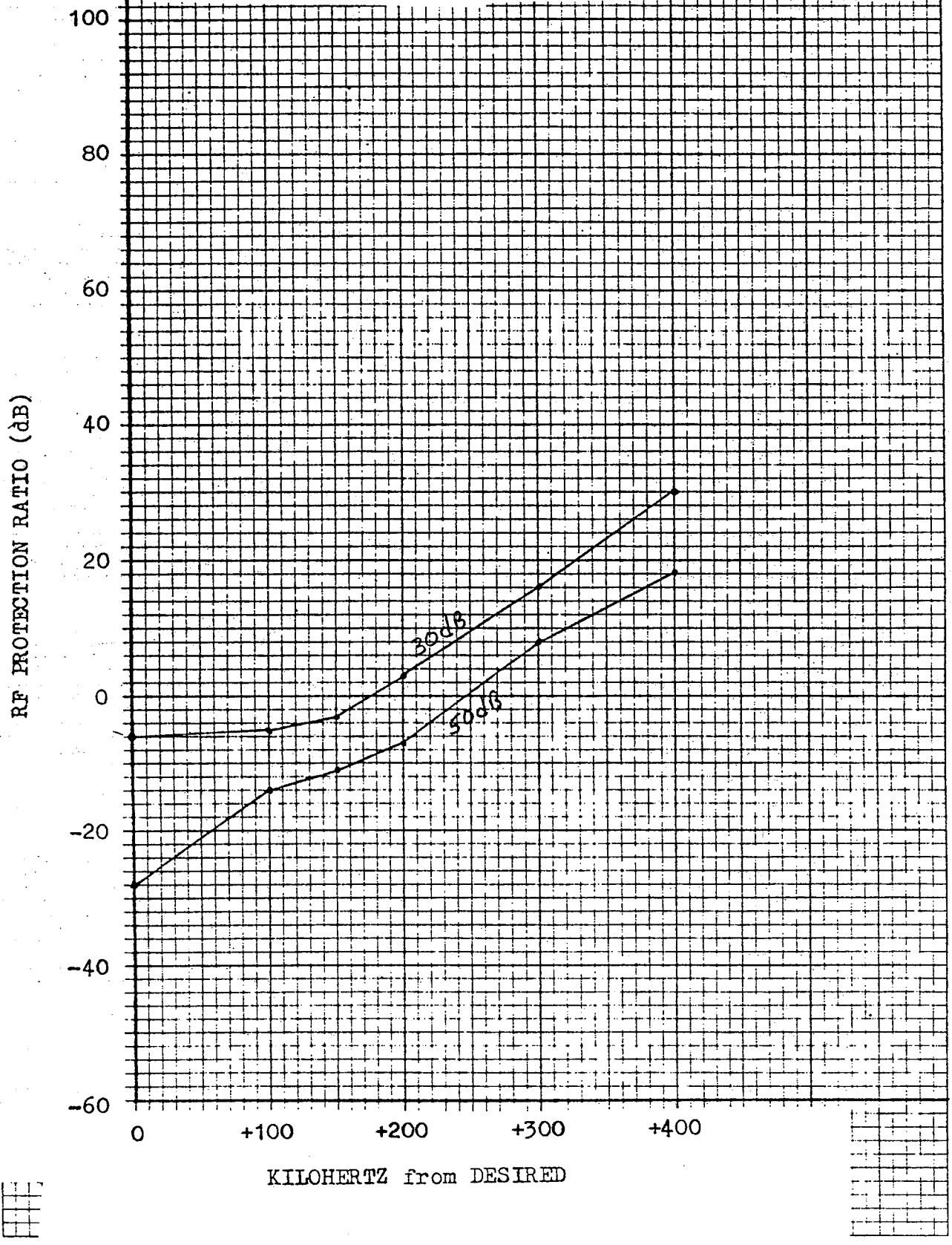
RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



RCVR: D
 TYPE: TABLE
 RETAIL: #109
 TONE
 RF PROTECTION RATIOS to yield AUDIO PROTECTION RATIOS of 30 dB and 50 dB
 Desired Carrier: 35 dBf MONO
 Undesired Carrier: MONO, 1000 Hz Tone

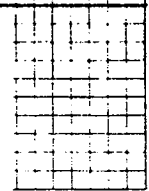
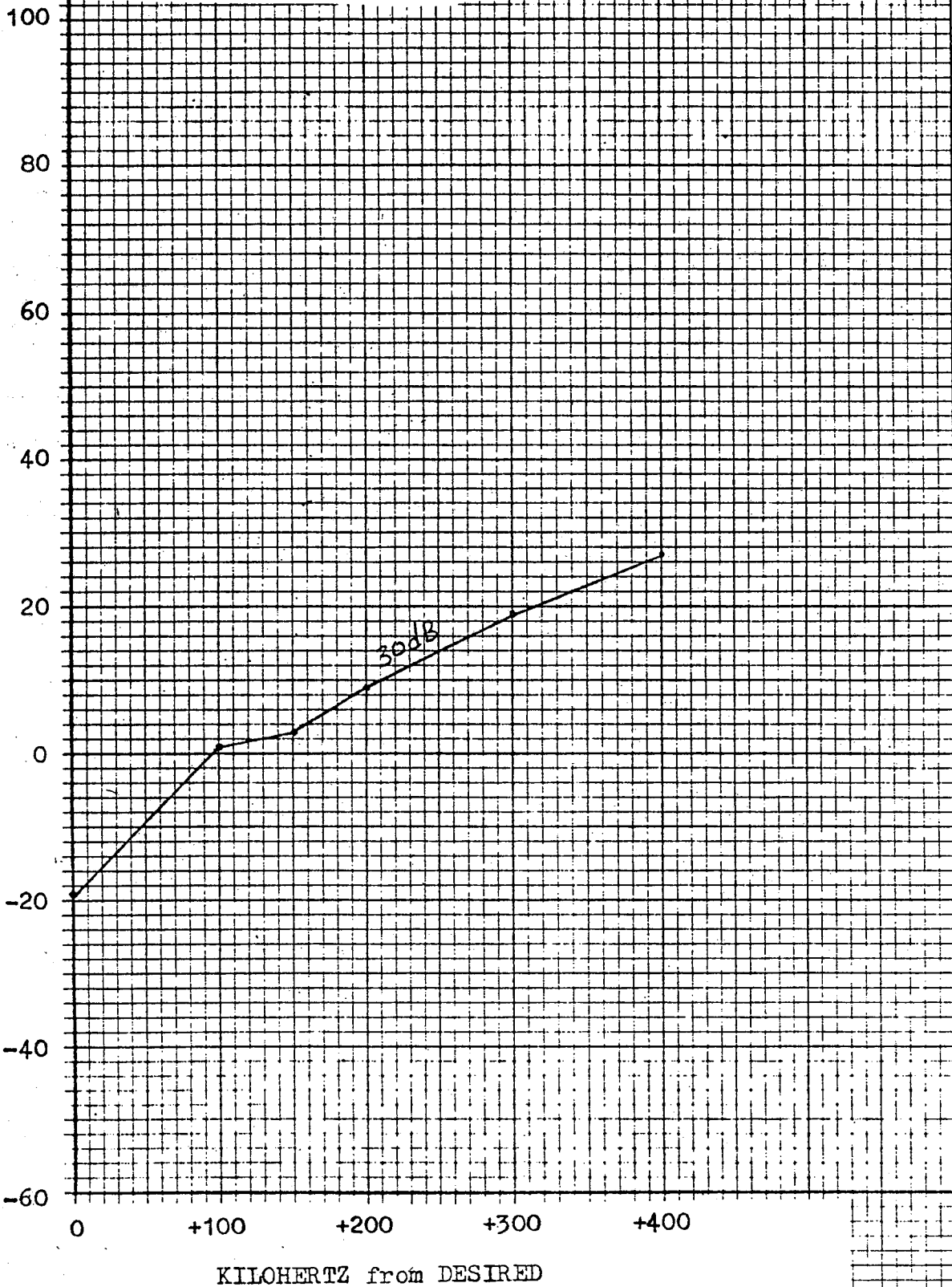


RCVR: D
TYPE: TABLE
RETAIL: #109

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf MONO
Undesired Carrier: MONO

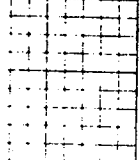
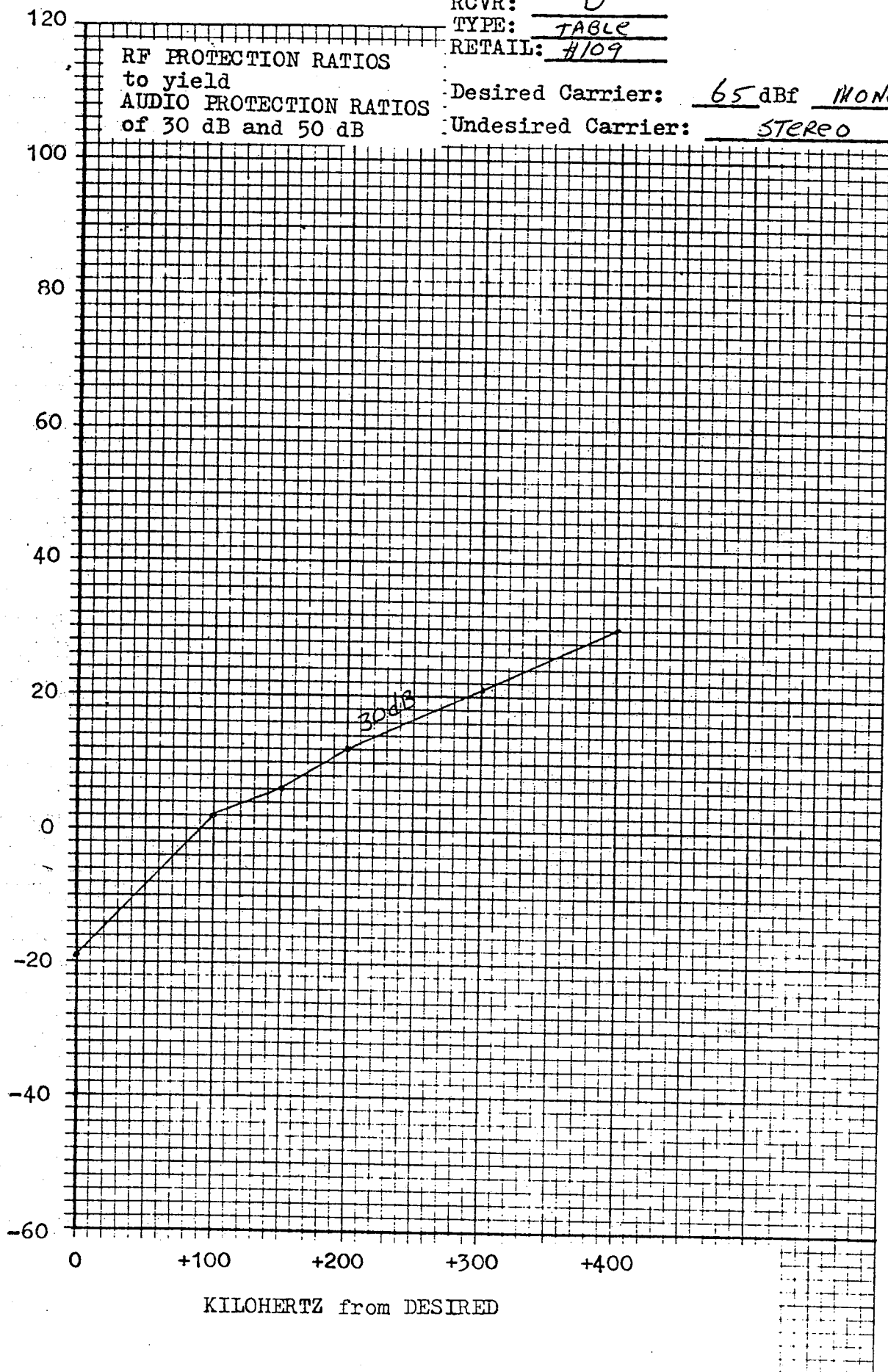
RF PROTECTION RATIO (dB)



RCVR: D
TYPE: TABLE
RETAIL: #109
Desired Carrier: 65 dBf MONO
Undesired Carrier: STEREO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



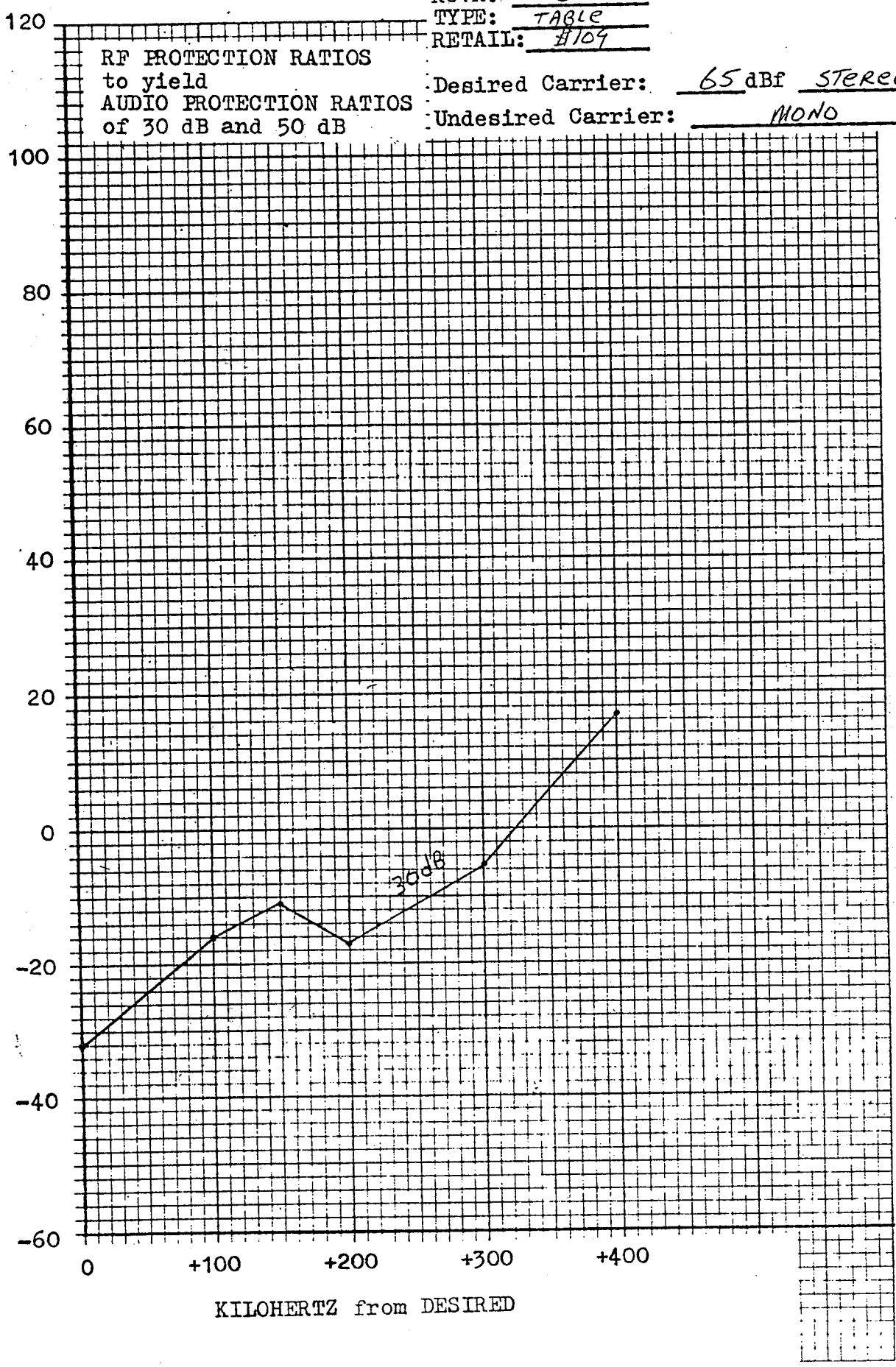
2

RCVR: D
TYPE: TABLE
RETAIL: #109

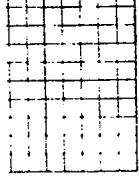
Desired Carrier: 65 dBf STEREO
Undesired Carrier: MONO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

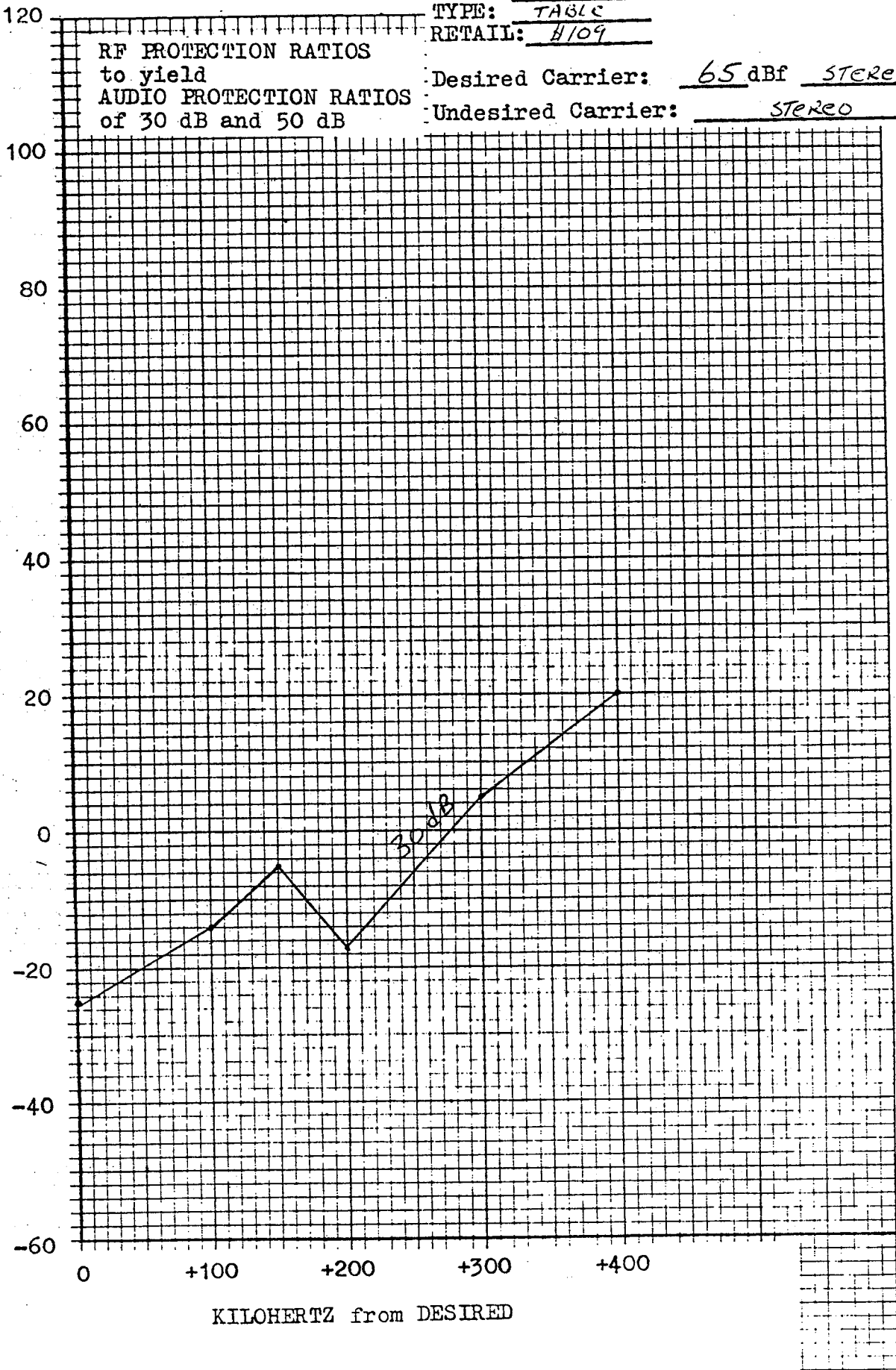


RCVR: D
TYPE: TALC
RETAIL: #109

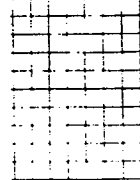
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf Stereo
Undesired Carrier: Stereo

RF PROTECTION RATIO (dB)

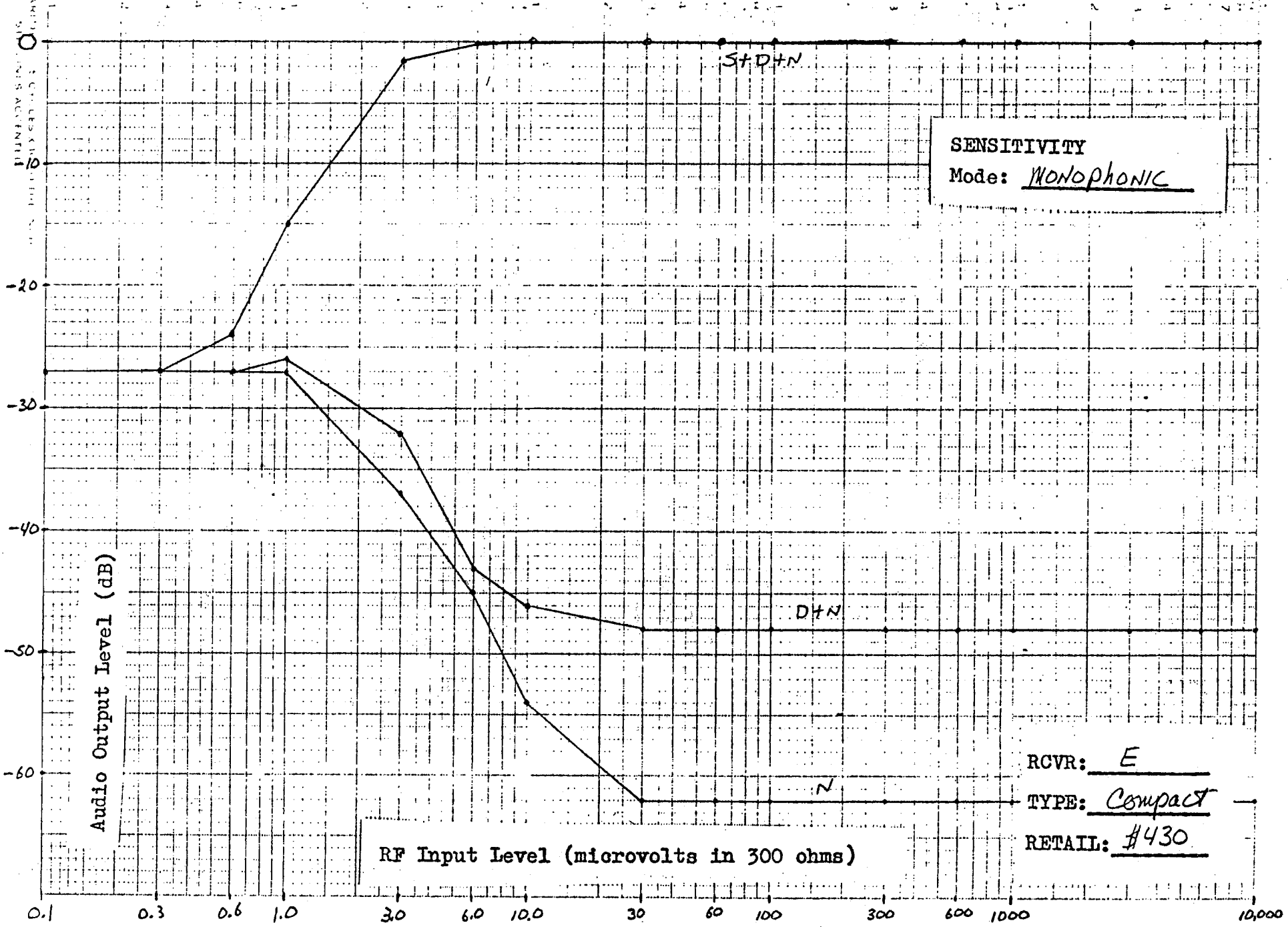


KILOHERTZ from DESIRED



9

RECEIVER	"E"
TYPE	Compact
RETAIL	\$430

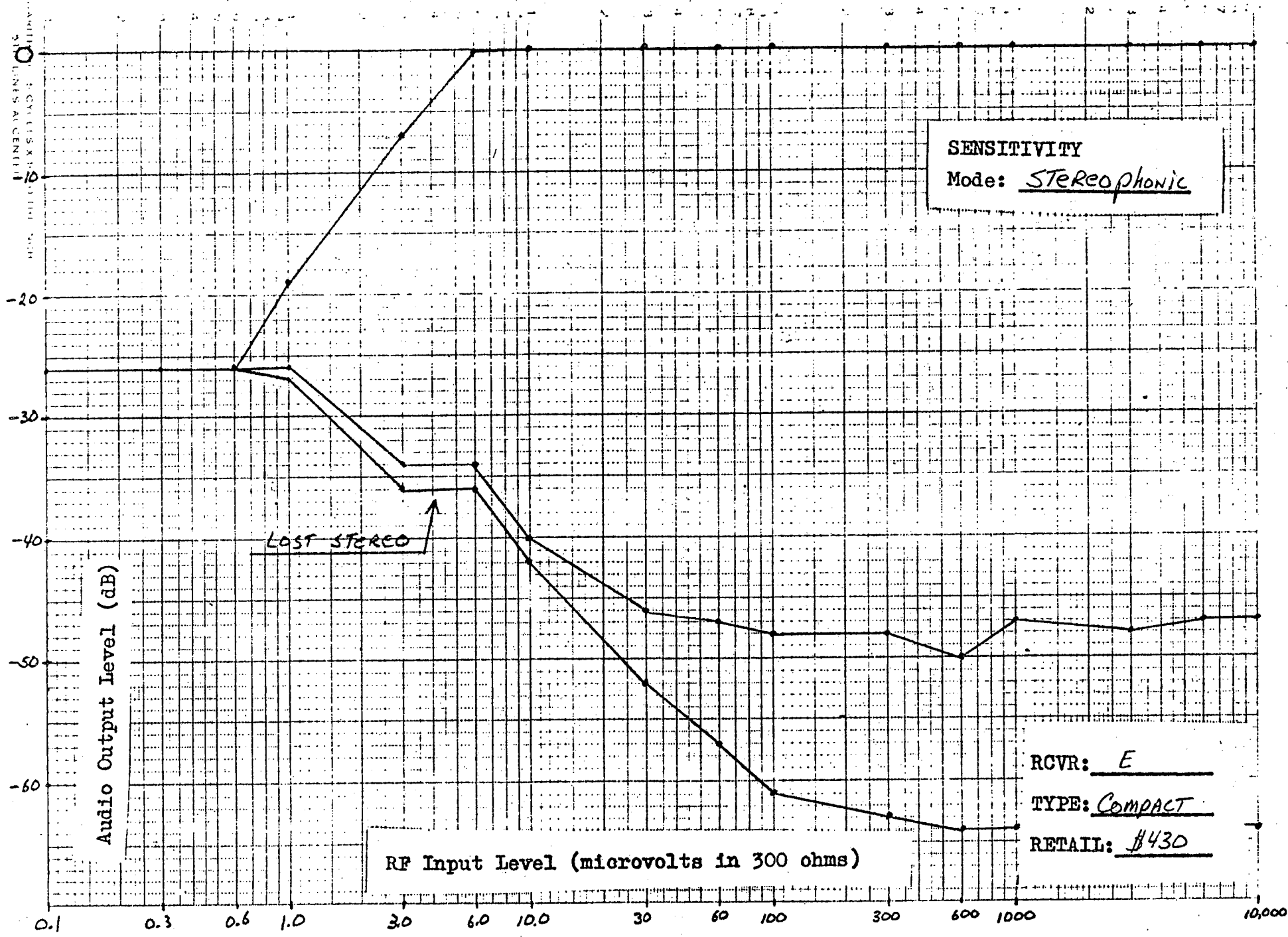


SENSITIVITY
Mode: MONOPHONIC

RCVR: E
TYPE: Compact
RETAIL: \$430

RF Input Level (microvolts in 300 ohms)

Audio Output Level (dB)



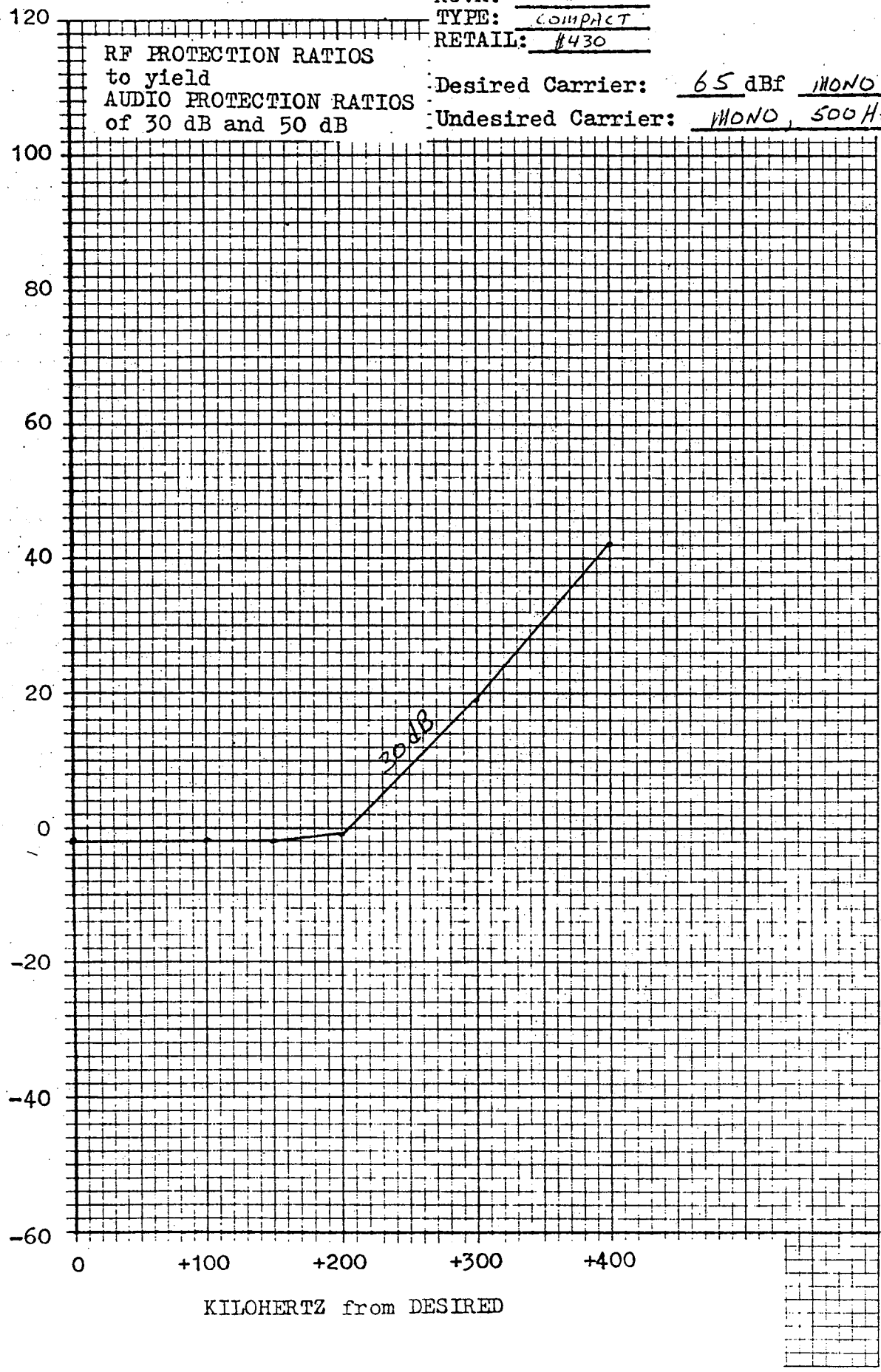
RCVR: E
TYPE: compact
RETAIL: #430

10KES

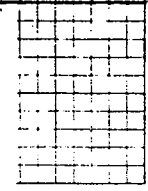
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf MONO
Undesired Carrier: MONO, 500 Hz Tones

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



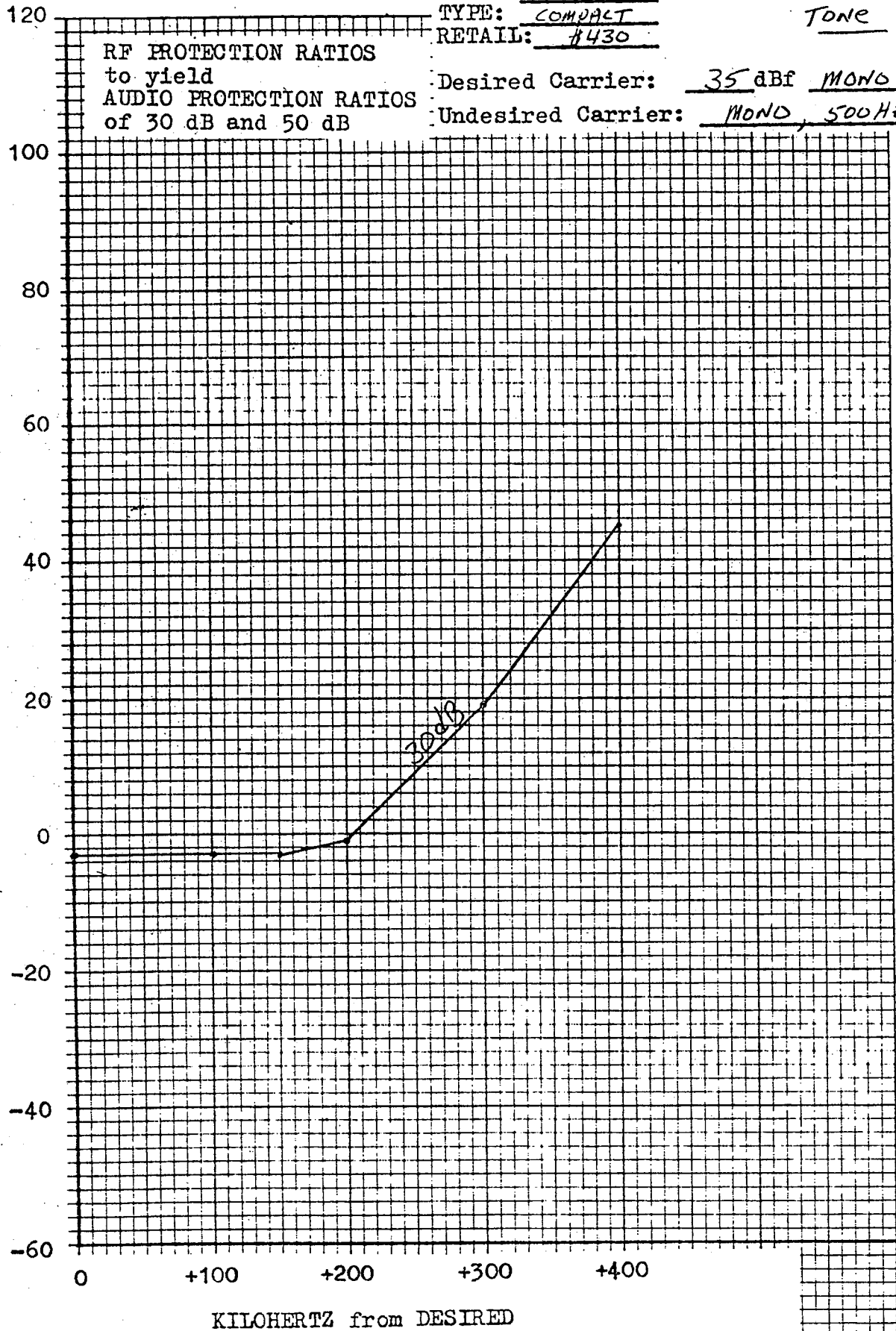
RCVR: E
TYPE: COMPACT
RETAIL: #430

TONE

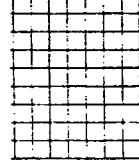
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dB MONO
Undesired Carrier: MONO, 500 Hz TONE

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



24

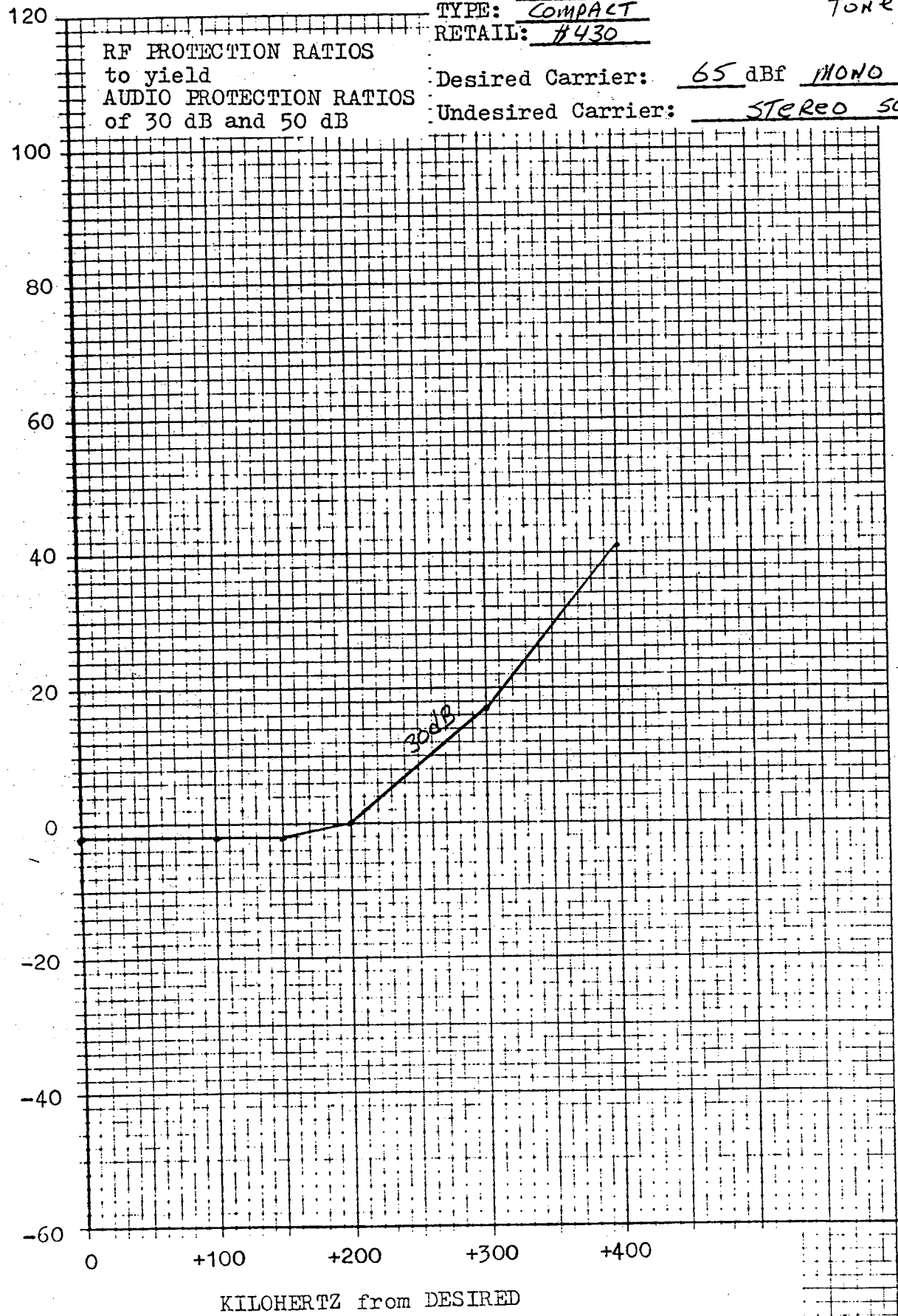
RCVR: E
TYPE: COMPACT
RETAIL: #430

TONE

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf MONO
Undesired Carrier: STEREO 500Hz

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

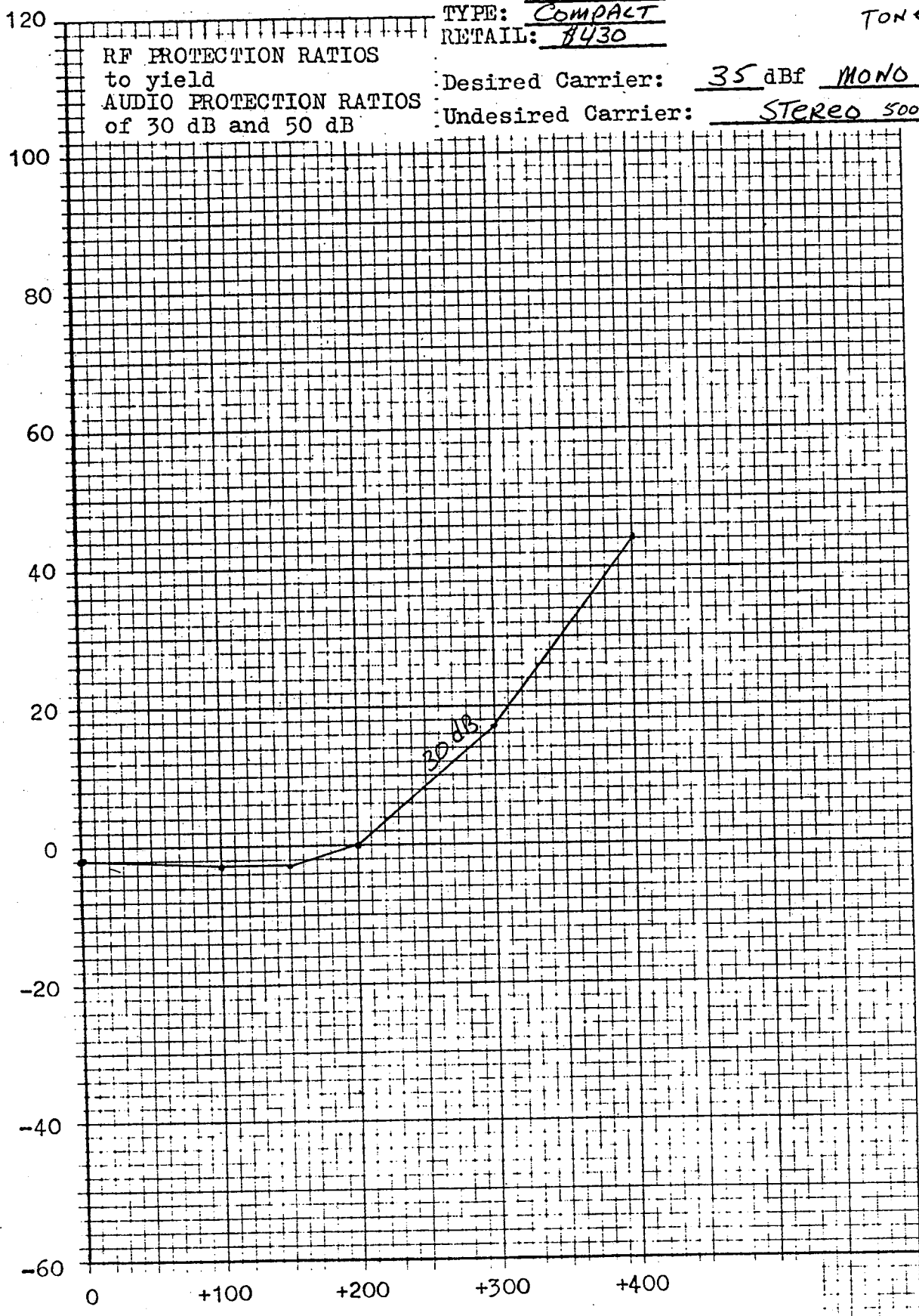
RCVR: E
TYPE: COMPACT
RETAIL: 7430

TONES

Desired Carrier: 35 dBf MONO
Undesired Carrier: STEREO 500Hz

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

06

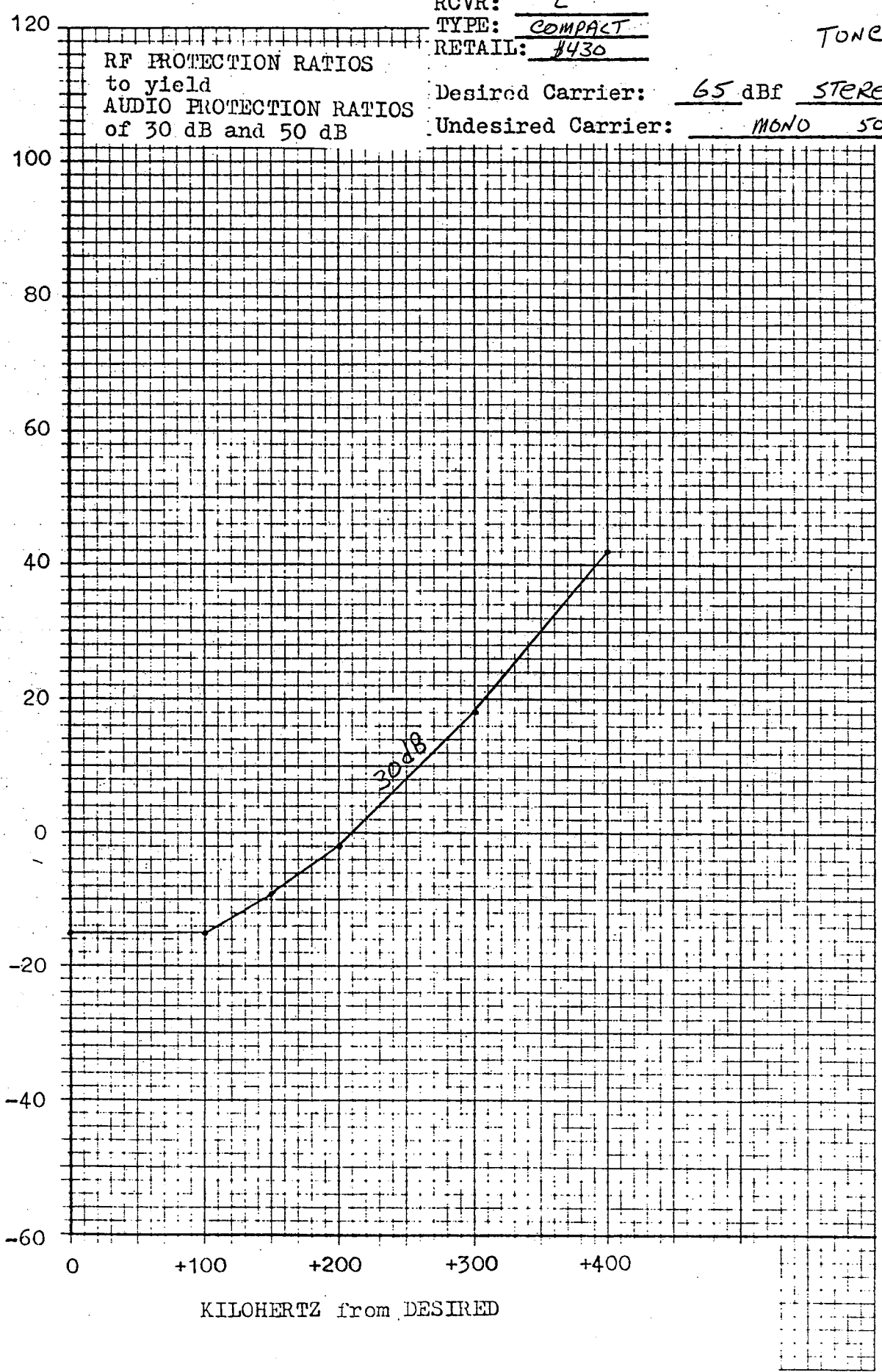
RCVR: E
TYPE: COMPACT
RETAIL: #430

TONE

Desired Carrier: 65 dBf STEREO
Undesired Carrier: MONO 500Hz

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

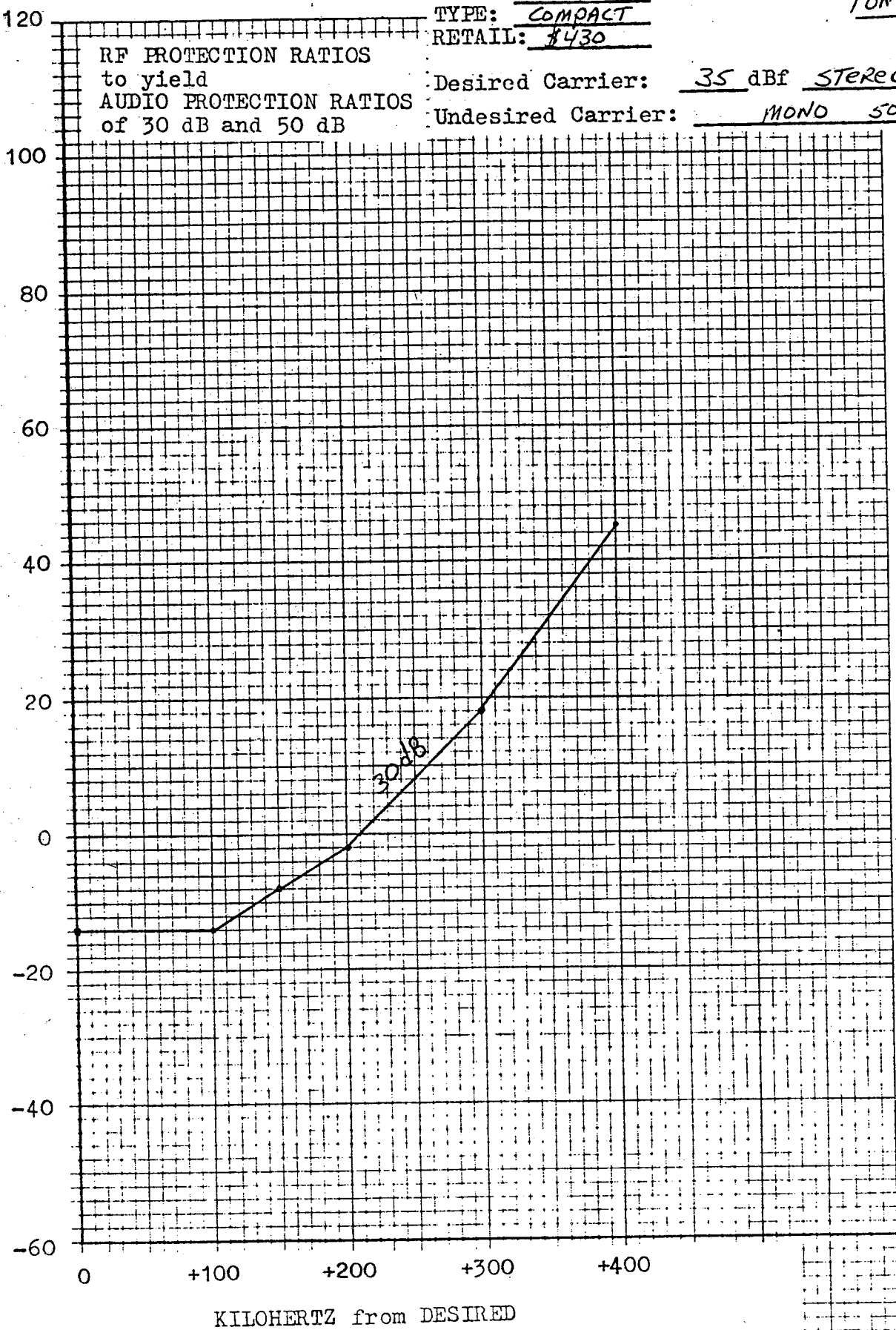
RCVR: E
TYPE: COMPACT
RETAIL: \$430

TONR

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf STEREO
Undesired Carrier: MONO 500Hz

RF PROTECTION RATIO (dB)



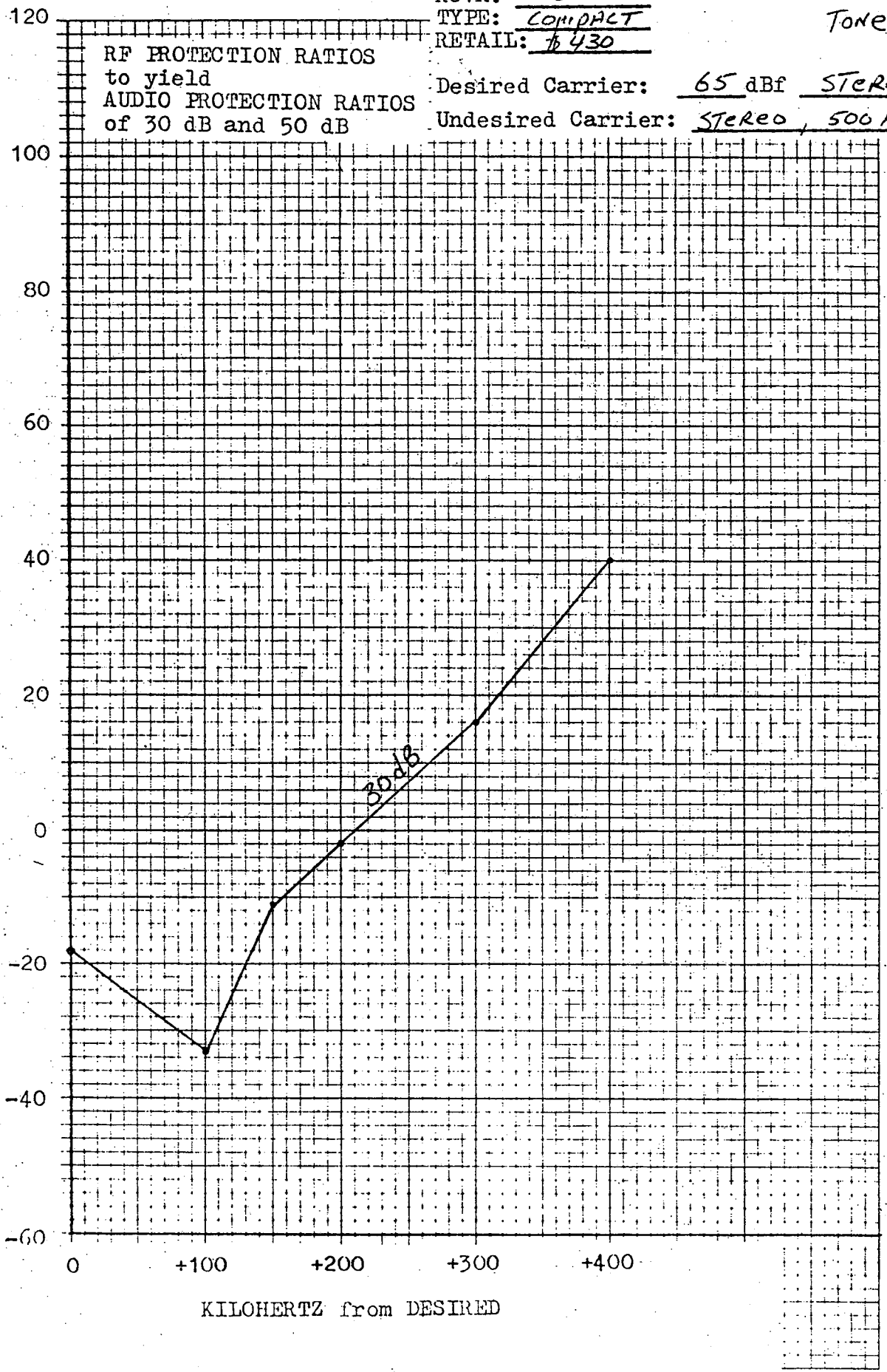
RCVR: E
TYPE: COMPACT
RETAIL: 430

TONE

Desired Carrier: 65 dBf STEREO
Undesired Carrier: STEREO, 500 Hz

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



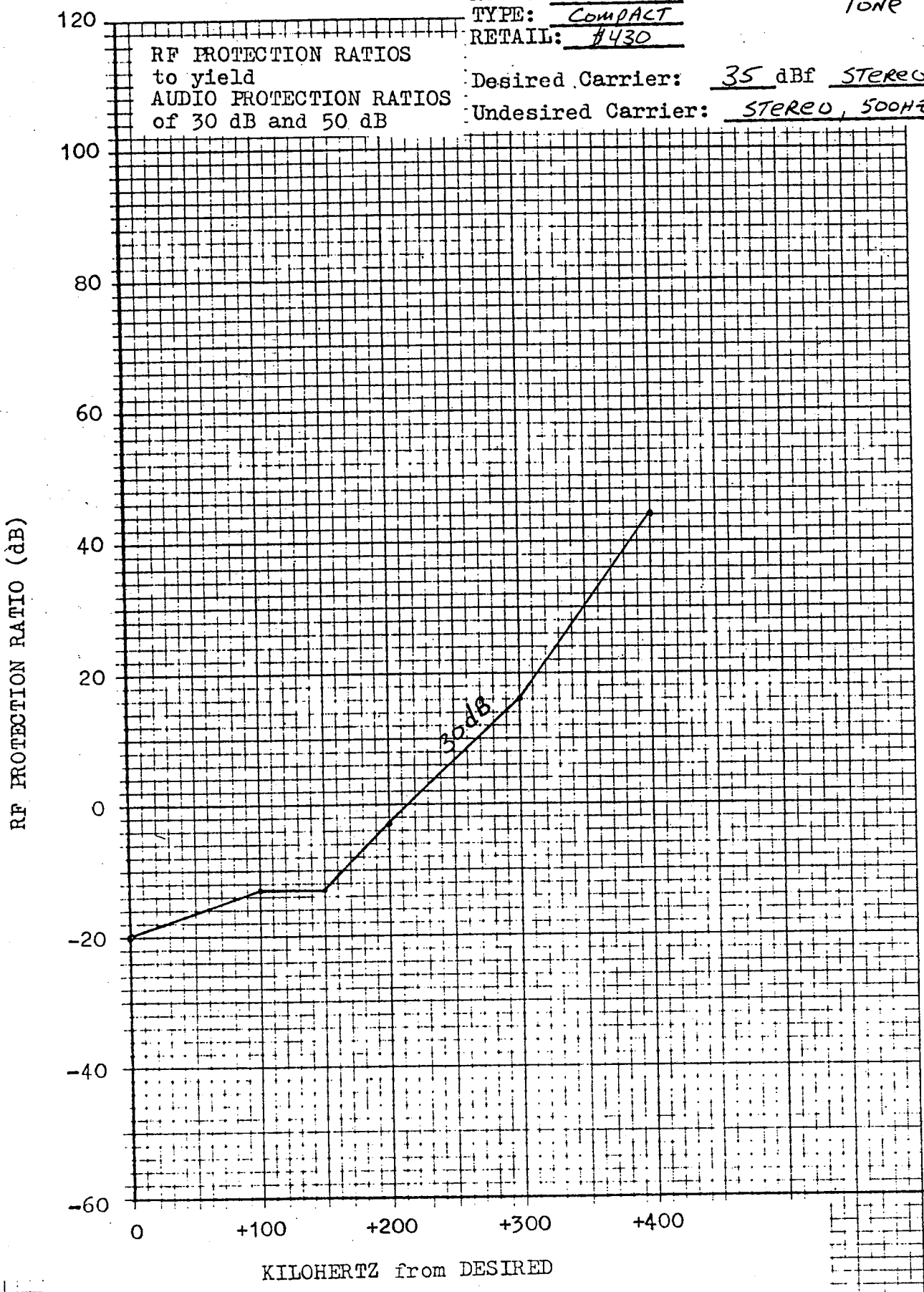
KILOHERTZ from DESIRED

RCVR: E
TYPE: COMPACT
RETAIL: #430

TONE

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf STEREO
Undesired Carrier: STEREO, 500Hz



RF PROTECTION RATIO (dB)

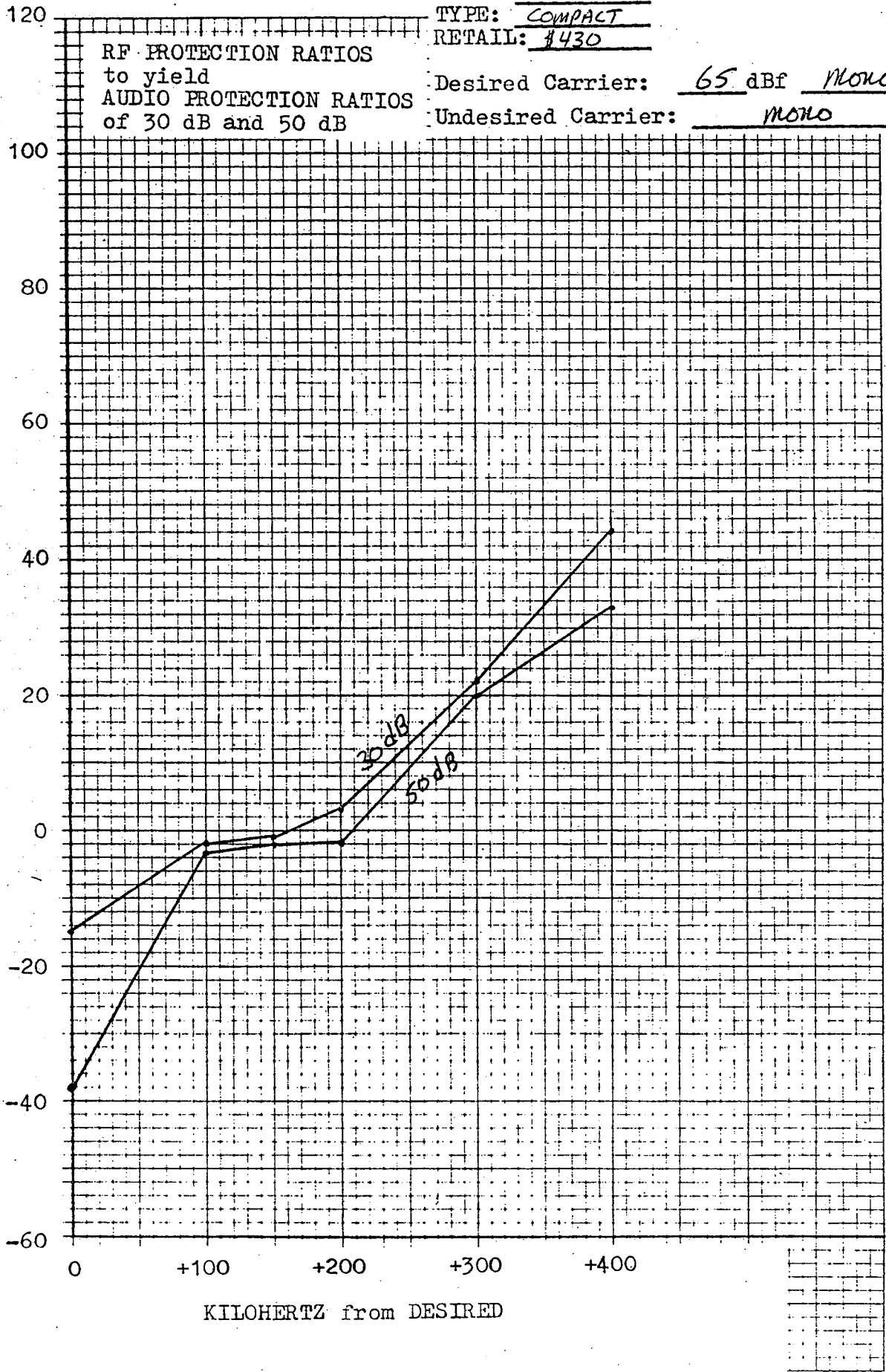
KILOHERTZ from DESIRED

RCVR: E
TYPE: COMPACT
RETAIL: #430

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf MONO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



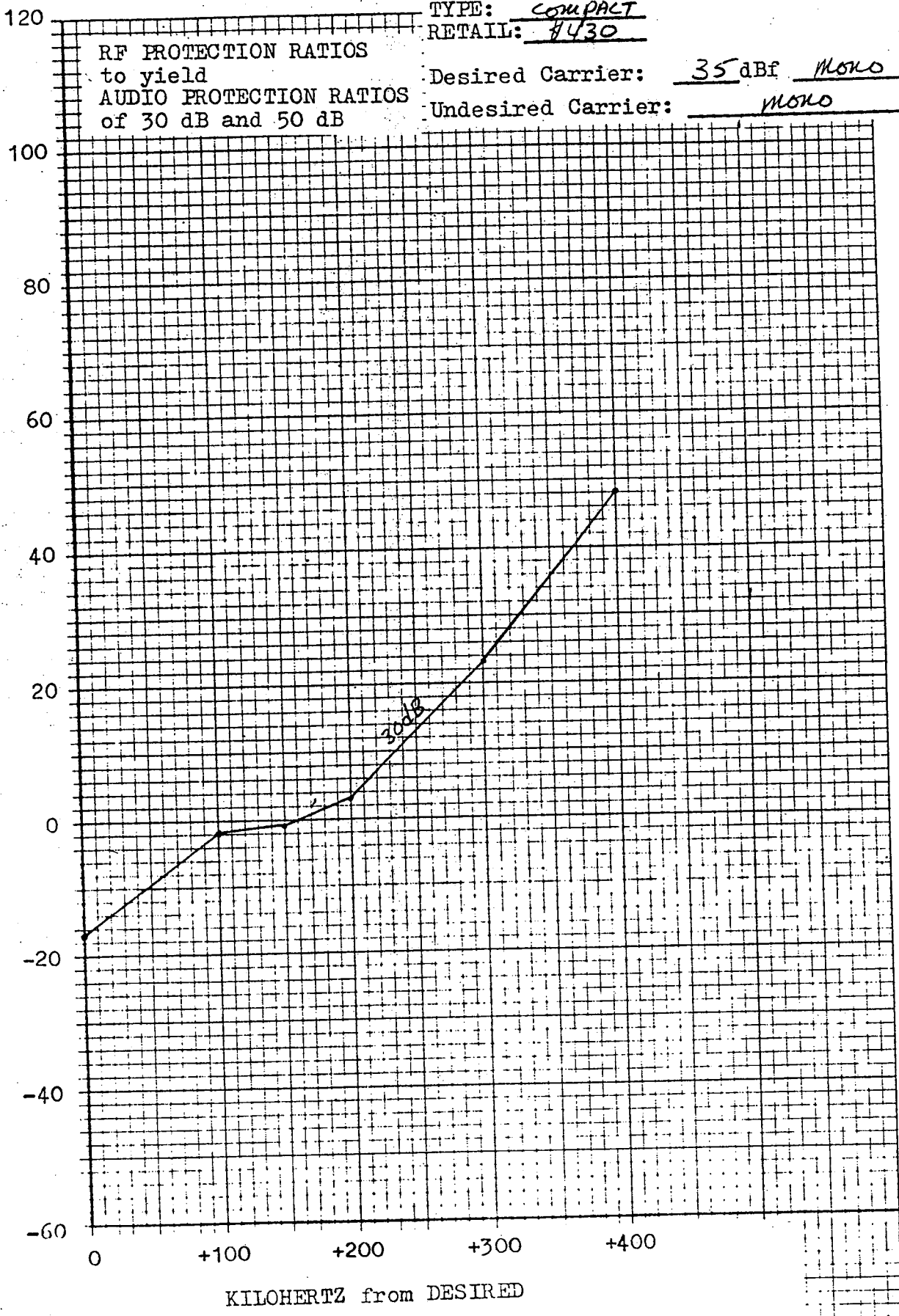
KILOHERTZ from DESIRED

RCVR: E
TYPE: COMPACT
RETAIL: 7430

Desired Carrier: 35 dB MONO
Undesired Carrier: MONO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)

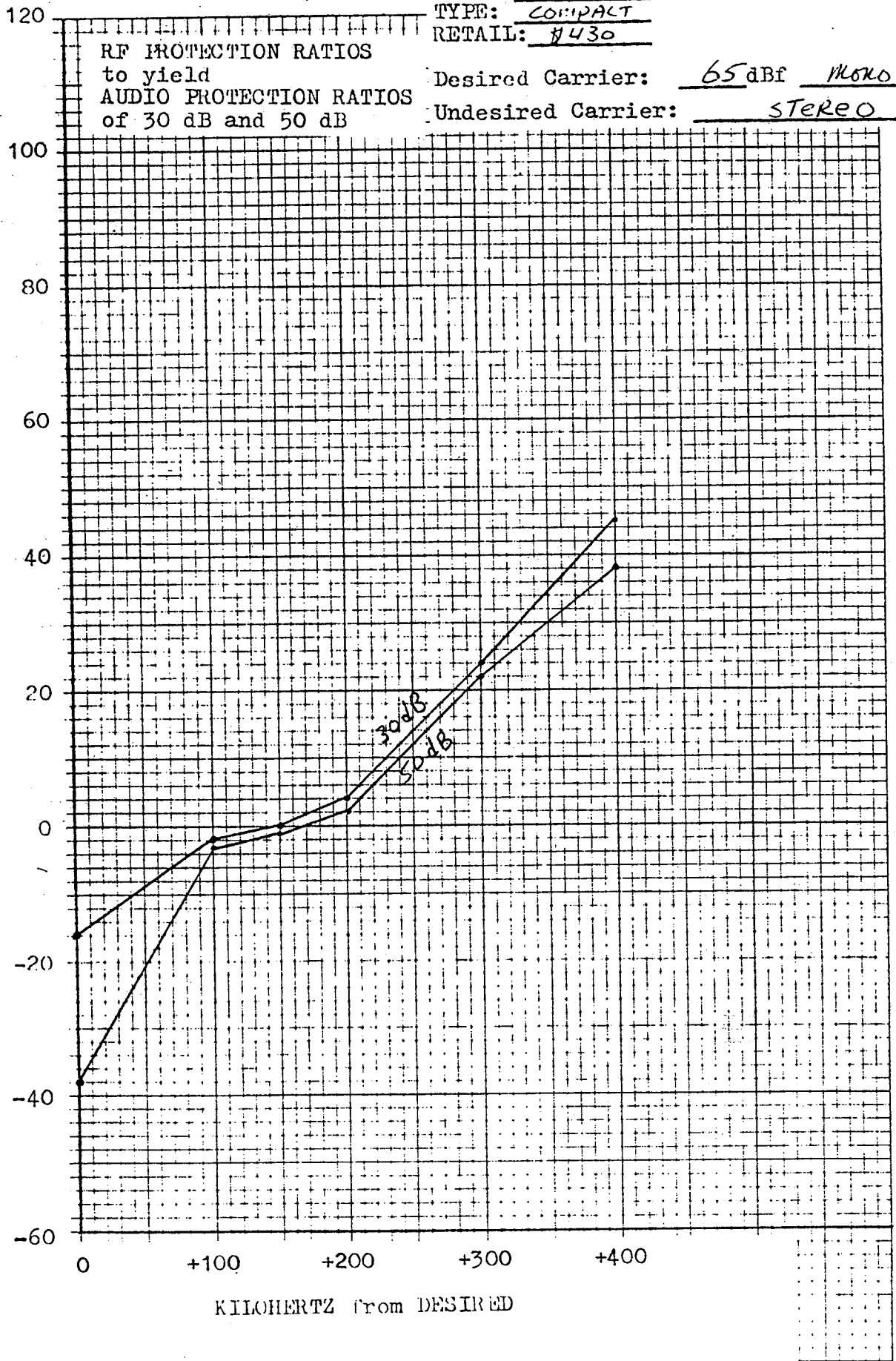


KILOHERTZ from DESIRED

RCVR: E
TYPE: COMPACT
RETAIL: #430

Desired Carrier: 65 dBf MONO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)

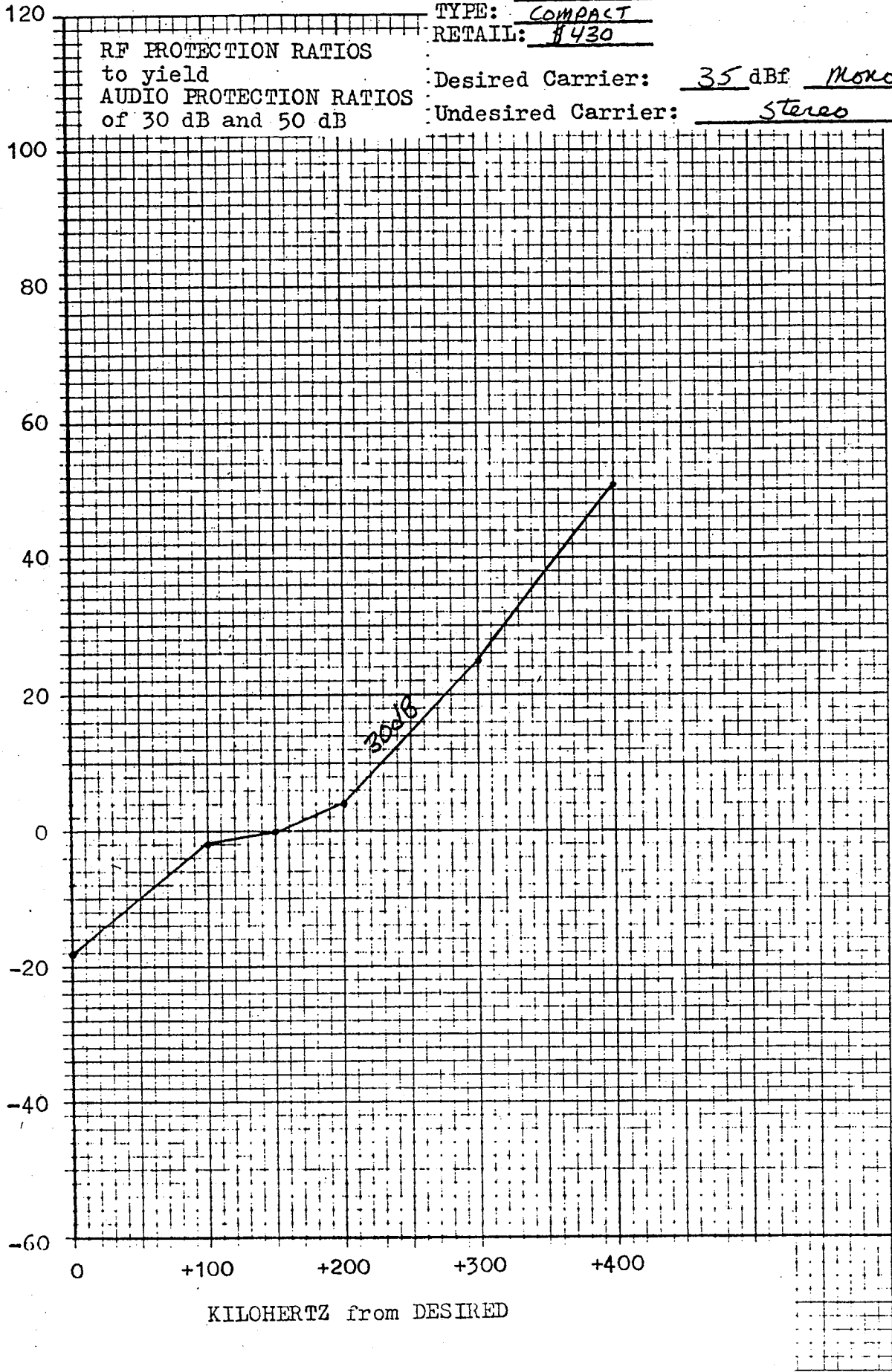


RCVR: E
TYPE: COMPACT
RETAIL: #430

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dB Mono
Undesired Carrier: Stereo

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

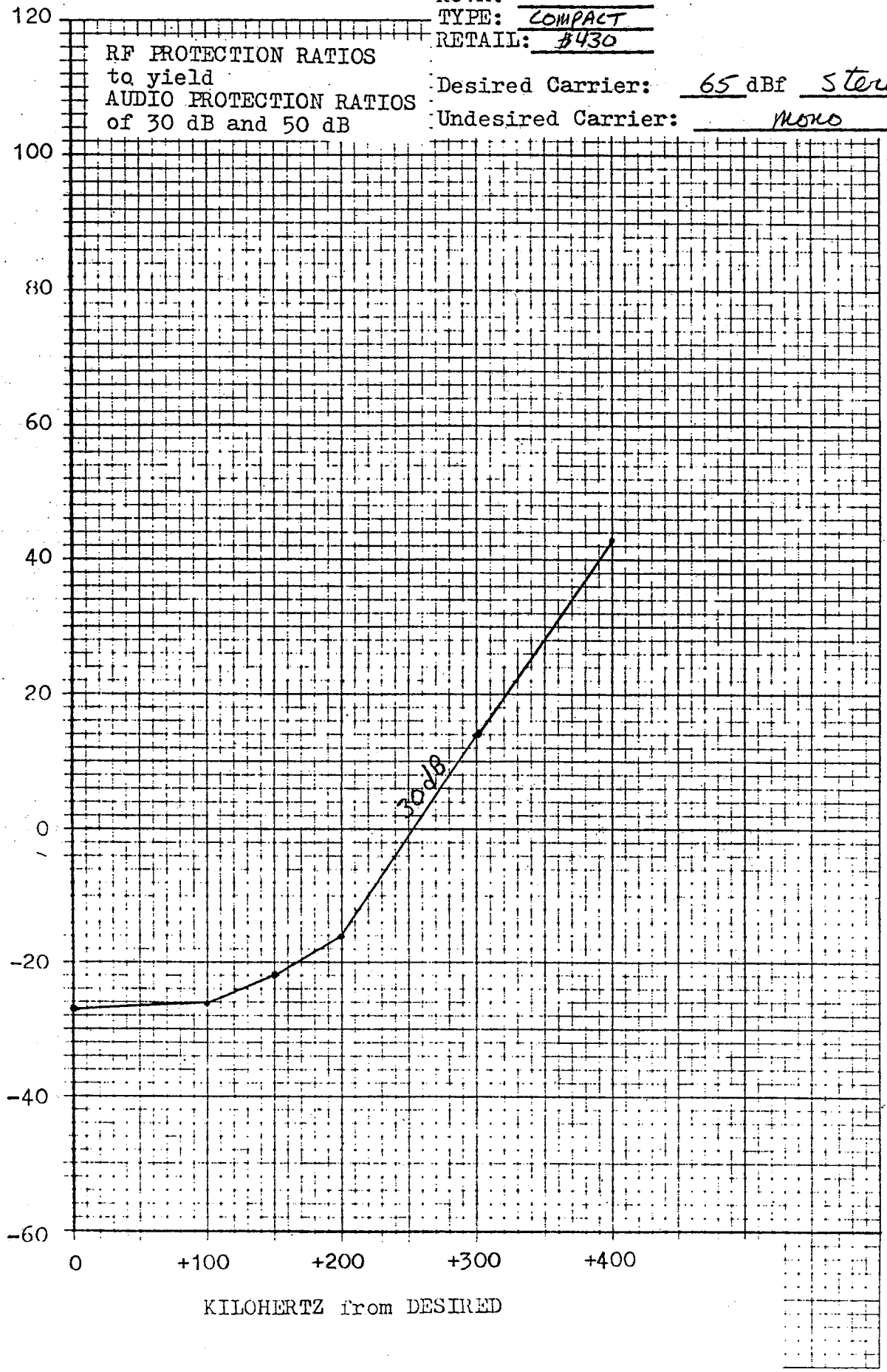


RCVR: E
TYPE: COMPACT
RETAIL: \$430

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dB Stereo
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



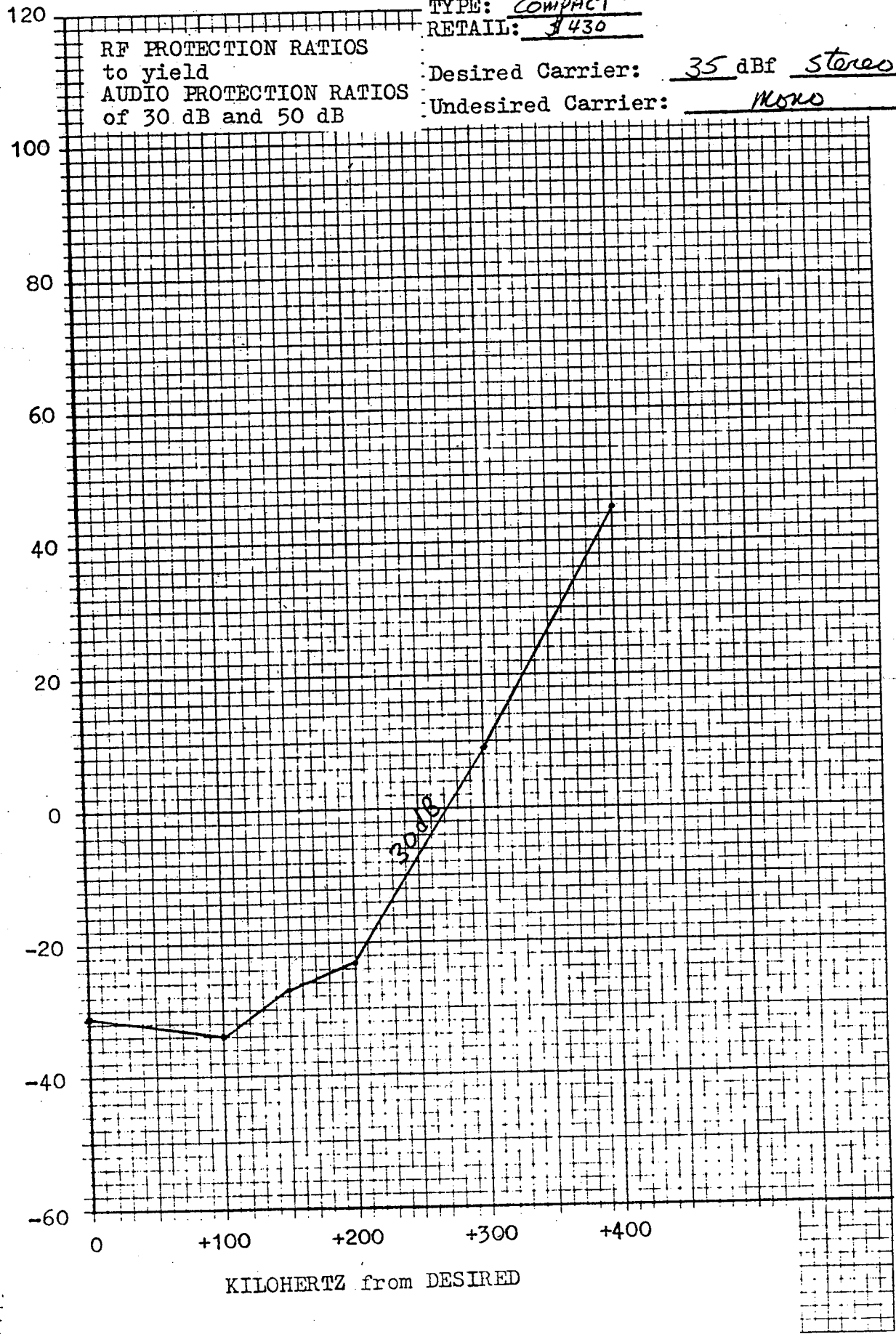
KILOHERTZ from DESIRED

RCVR: E
TYPE: COMPACT
RETAIL: 430

Desired Carrier: 35 dB Stereo
Undesired Carrier: Mono

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



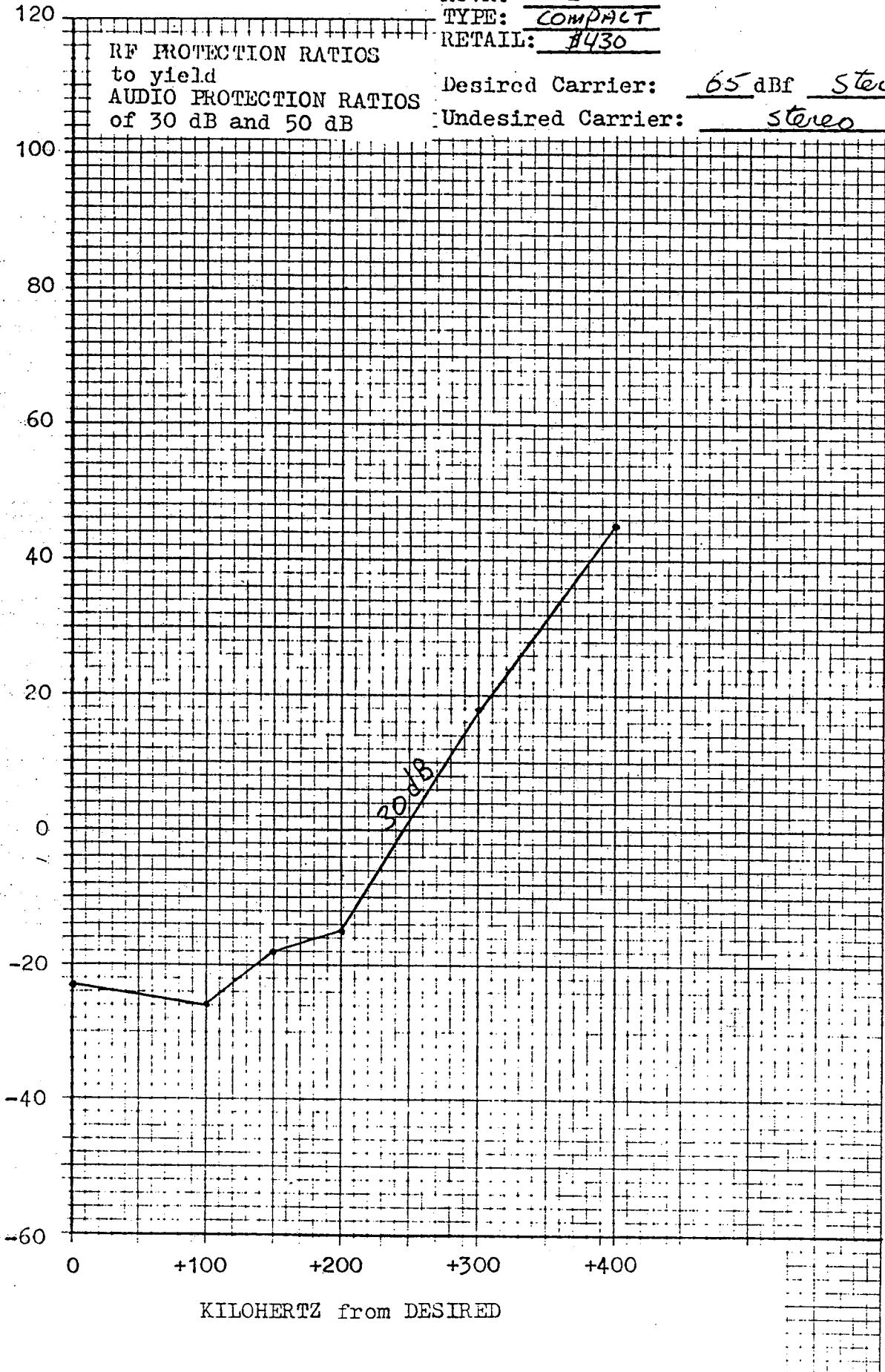
KILOHERTZ from DESIRED

RCVR: E
TYPE: COMPACT
RETAIL: #430

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf Stereo
Undesired Carrier: stereo

RF PROTECTION RATIO (dB)



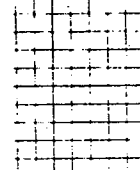
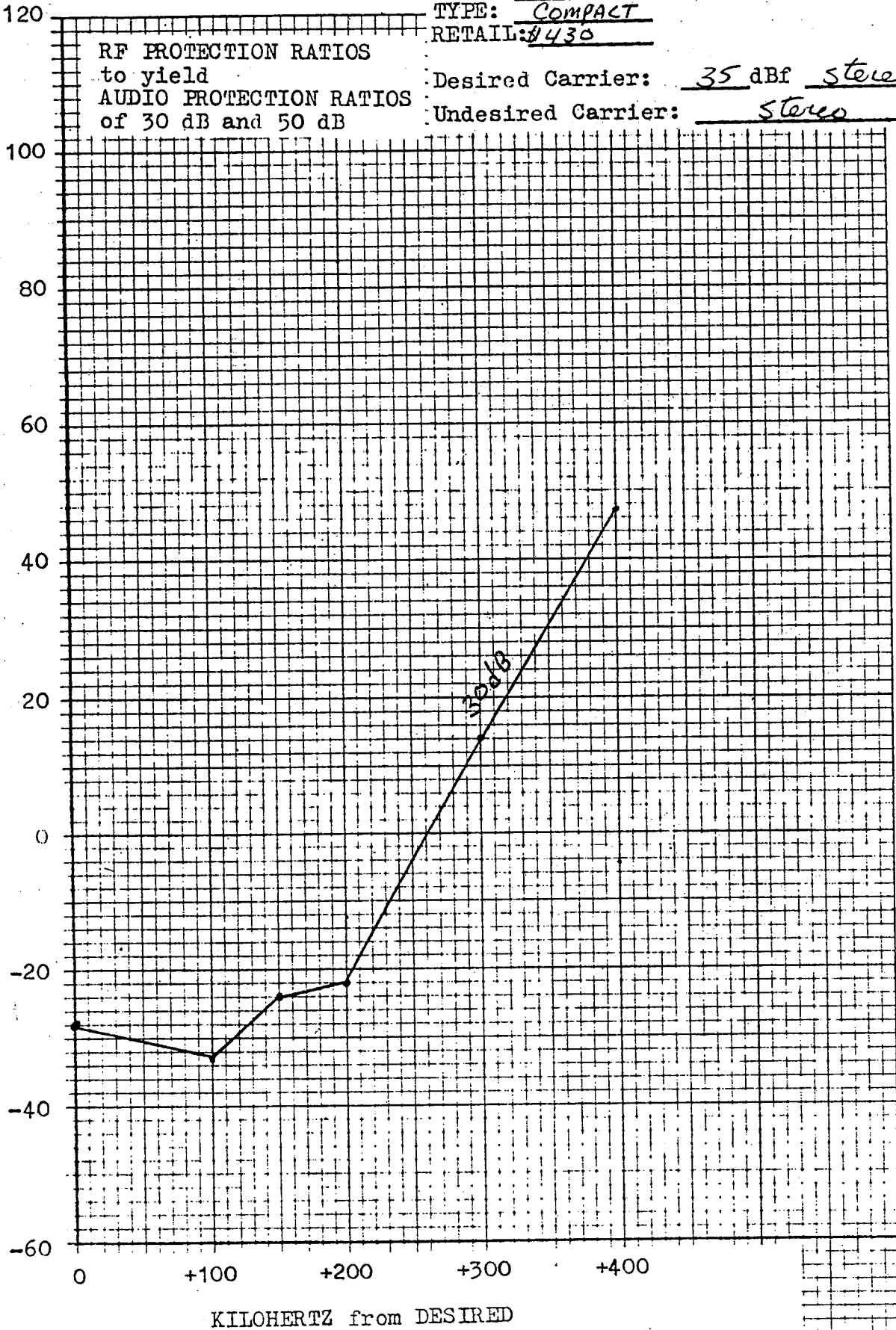
KILOHERTZ from DESIRED

RCVR: E
TYPE: COMPACT
RETAIL: 8430

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf Stereo
Undesired Carrier: Stereo

RF PROTECTION RATIO (dB)



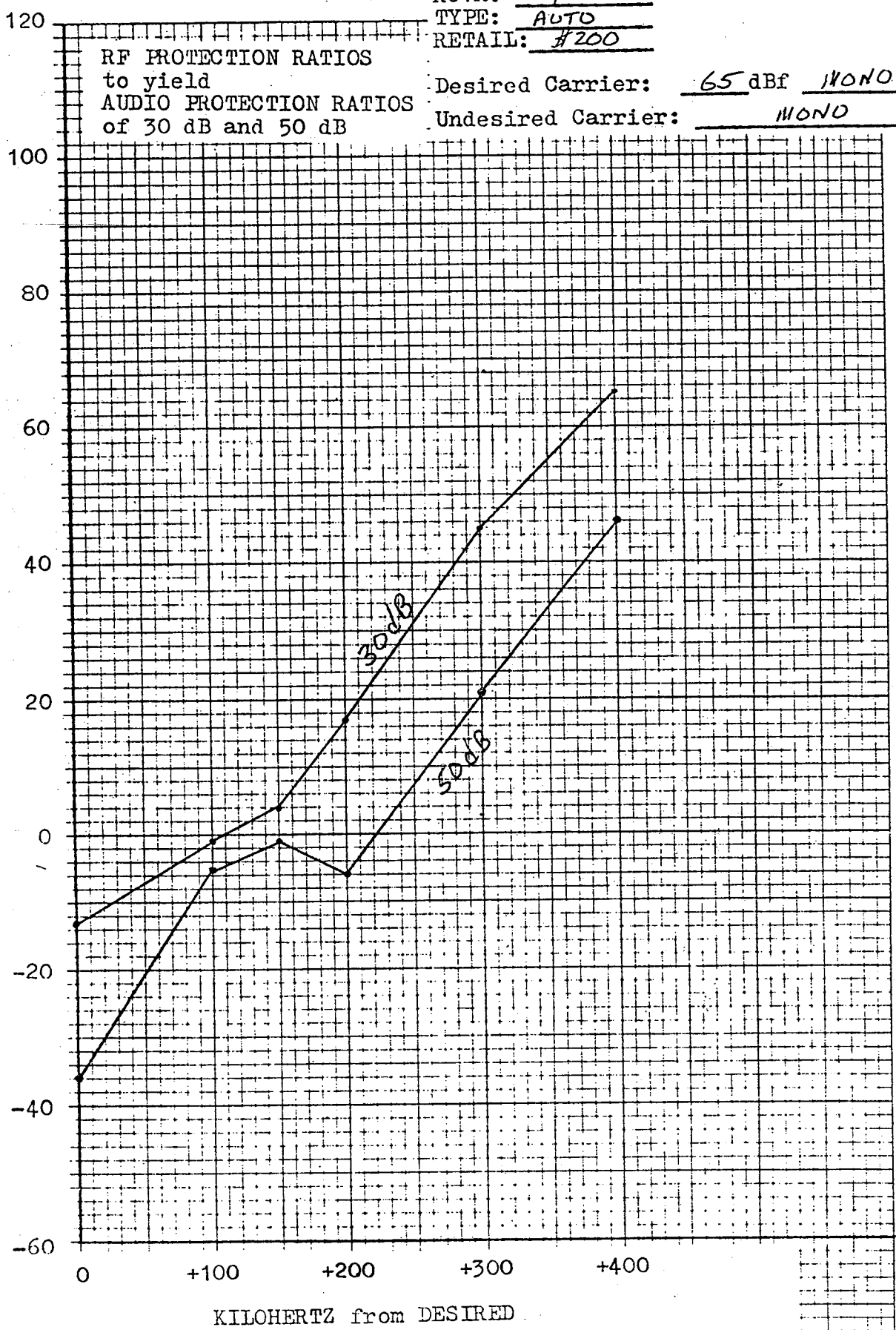
RECEIVER	"F"
TYPE	Auto
RETAIL	\$200

RCVR: F
TYPE: AUTO
RETAIL: #200

Desired Carrier: 65 dBf MONO
Undesired Carrier: MONO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



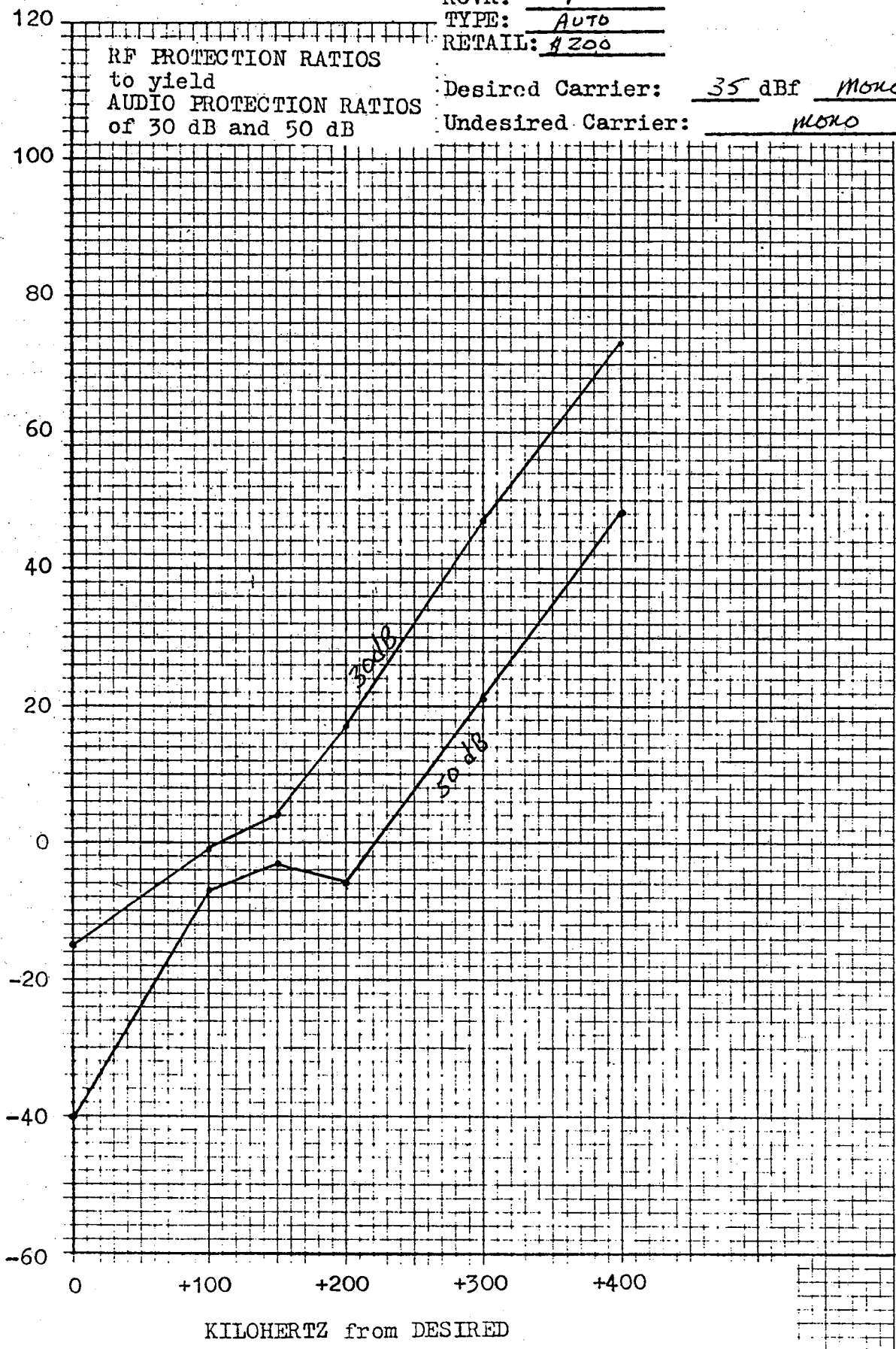
KILOHERTZ from DESIRED

RCVR: F
TYPE: AUTO
RETAIL: A200

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf MONO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



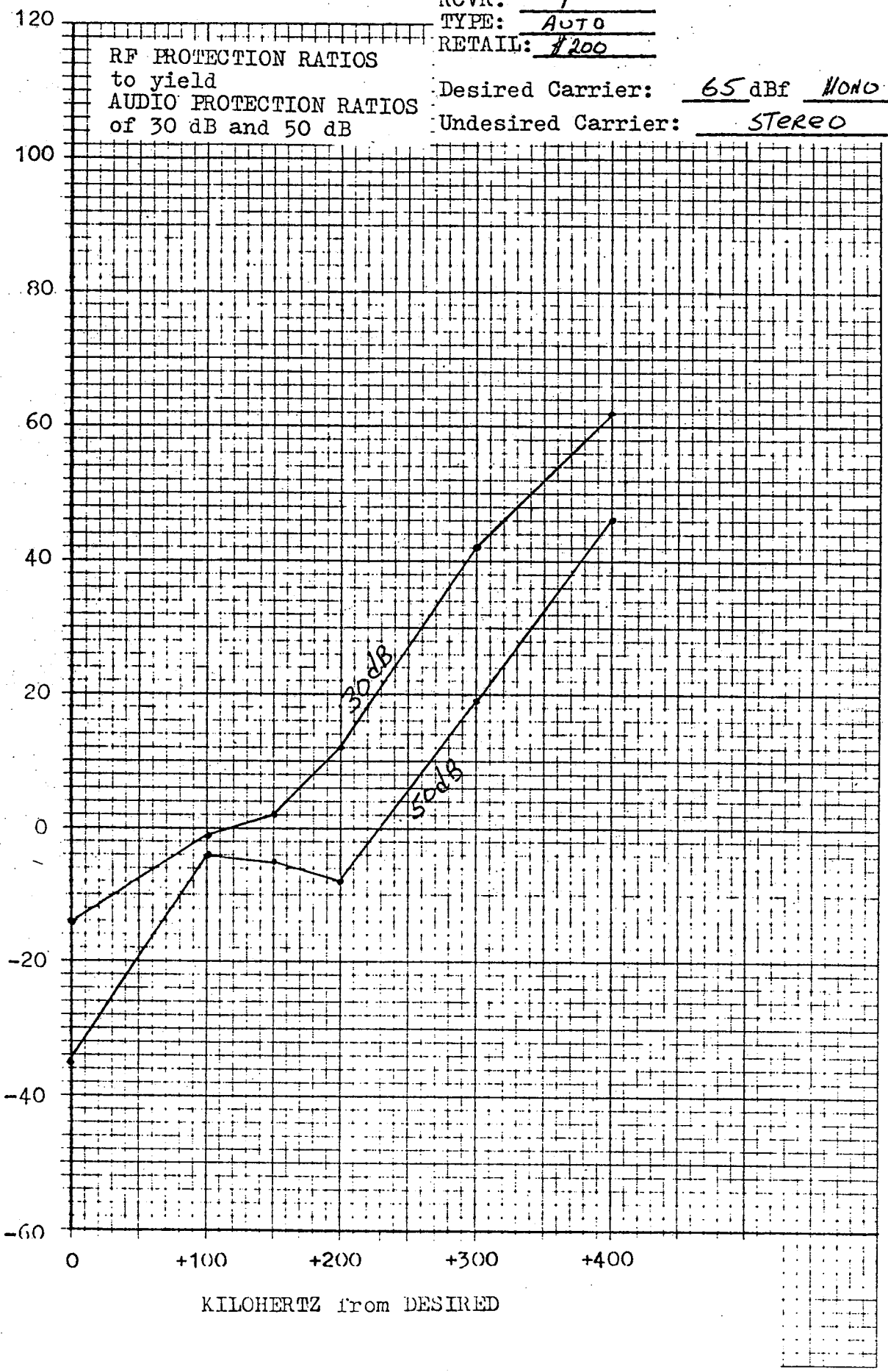
KILOHERTZ from DESIRED

RCVR: F
TYPE: AUTO
RETAIL: #200

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf MONO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



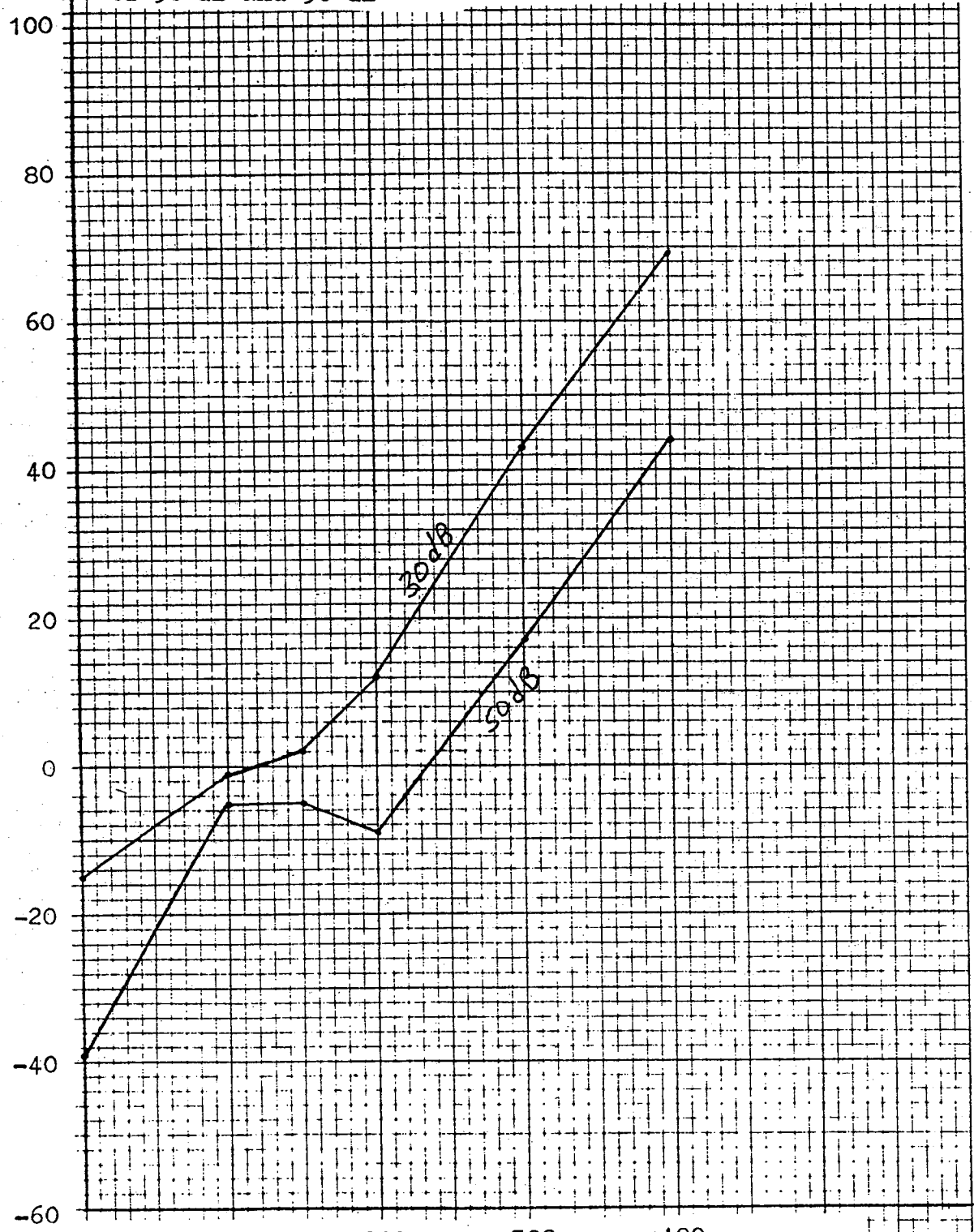
KILOHERTZ from DESIRED

RCVR: F
TYPE: AUTO
RETAIL: #200

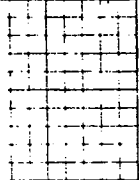
120
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf Mono
Undesired Carrier: stereo

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

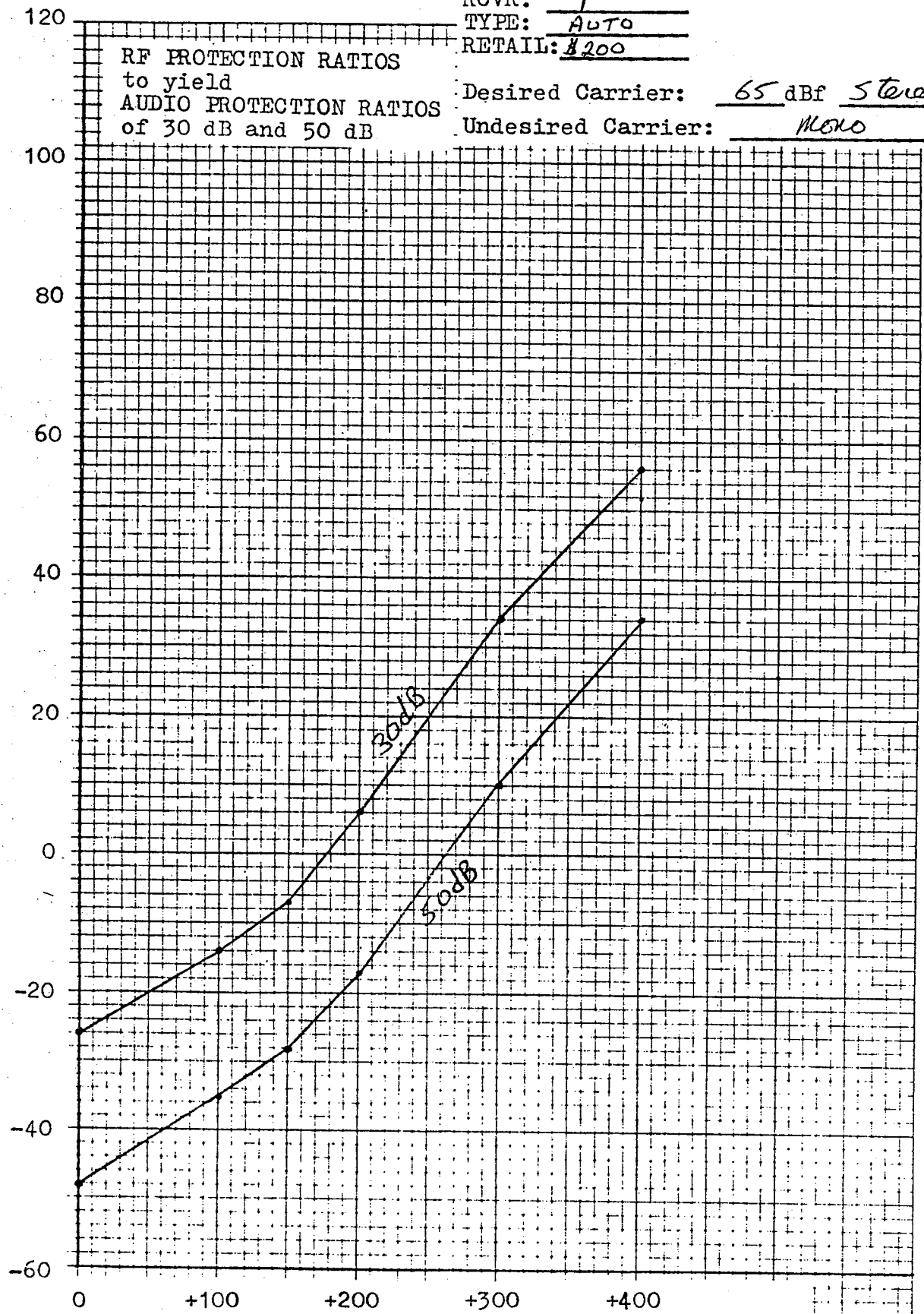


RCVR: F
TYPE: AUTO
RETAIL: 1200

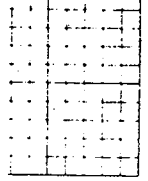
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf Stereo
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

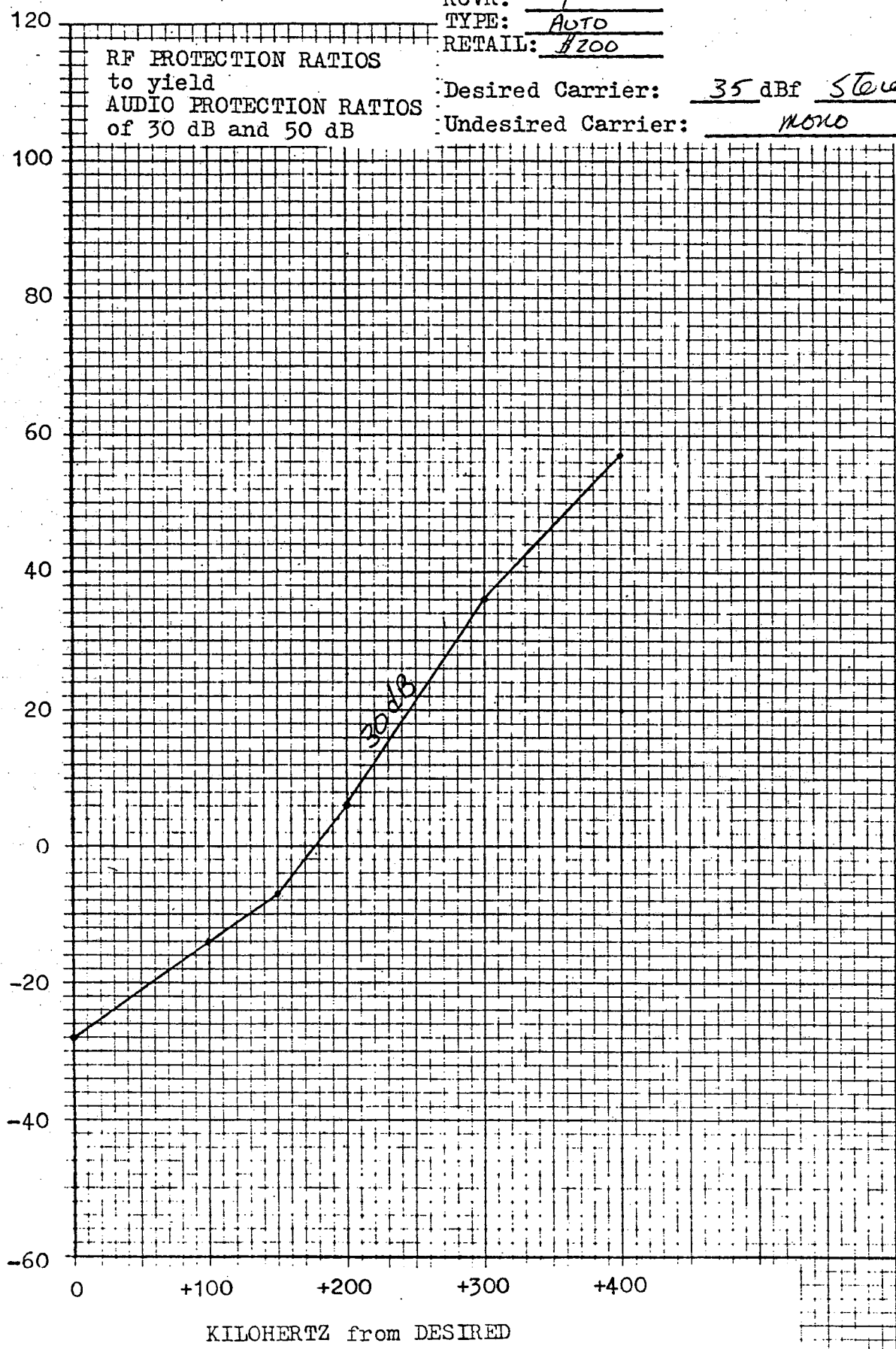


RCVR: F
TYPE: AUTO
RETAIL: #200

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dB 5000
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



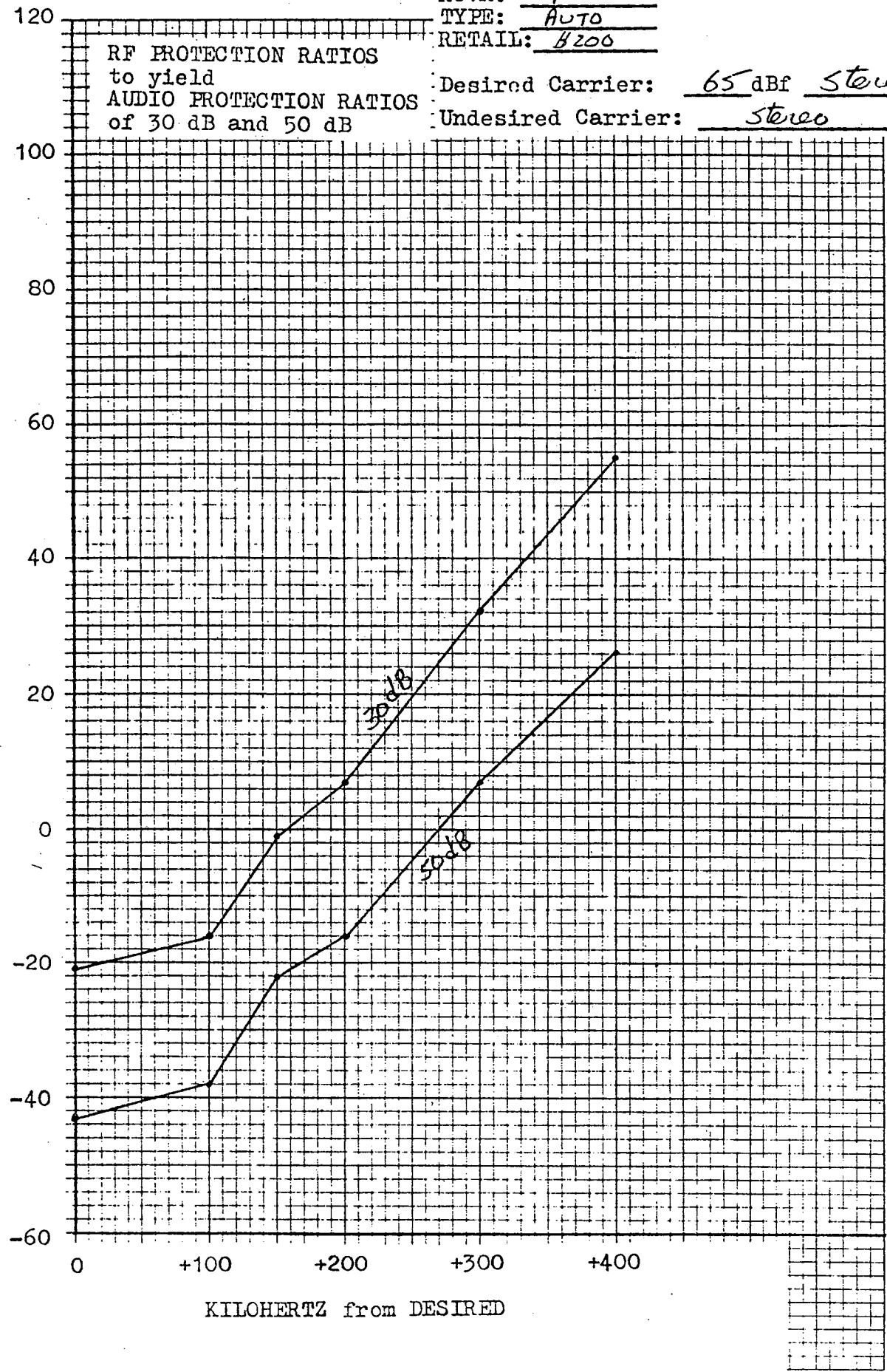
KILOHERTZ from DESIRED

RCVR: F
TYPE: AUTO
RETAIL: H200

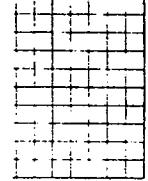
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dB Stereo
Undesired Carrier: Stereo

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



RCVR: F
TYPE: AUTO
RETAIL: #200

120
100
80
60
40
20
0
-20
-40
-60
0
+100
+200
+300
+400

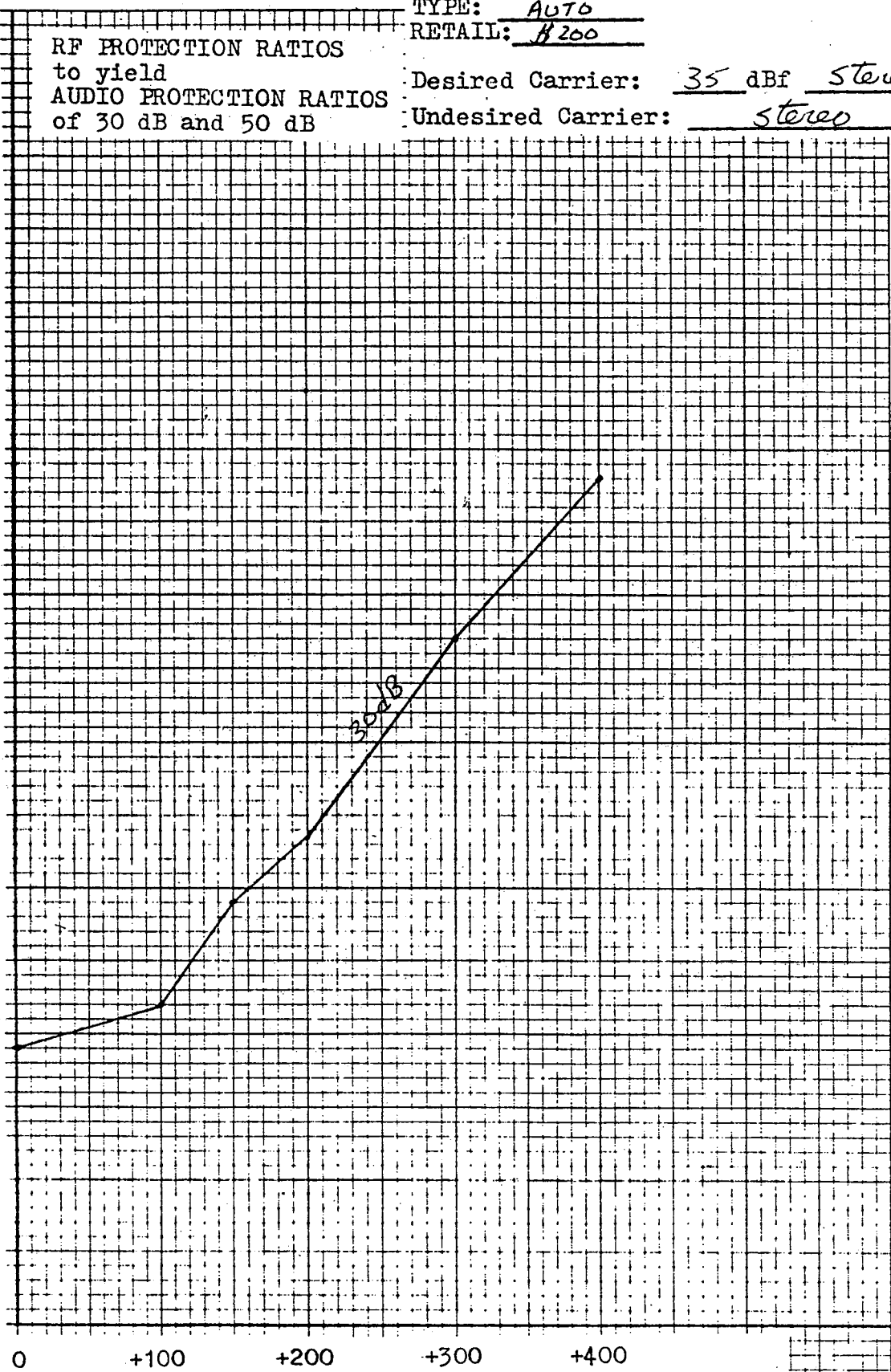
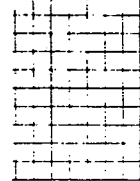
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf Stereo
Undesired Carrier: Stereo

RF PROTECTION RATIO (dB)

KILOHERTZ from DESIRED

30dB



RECEIVER
TYPE
RETAIL

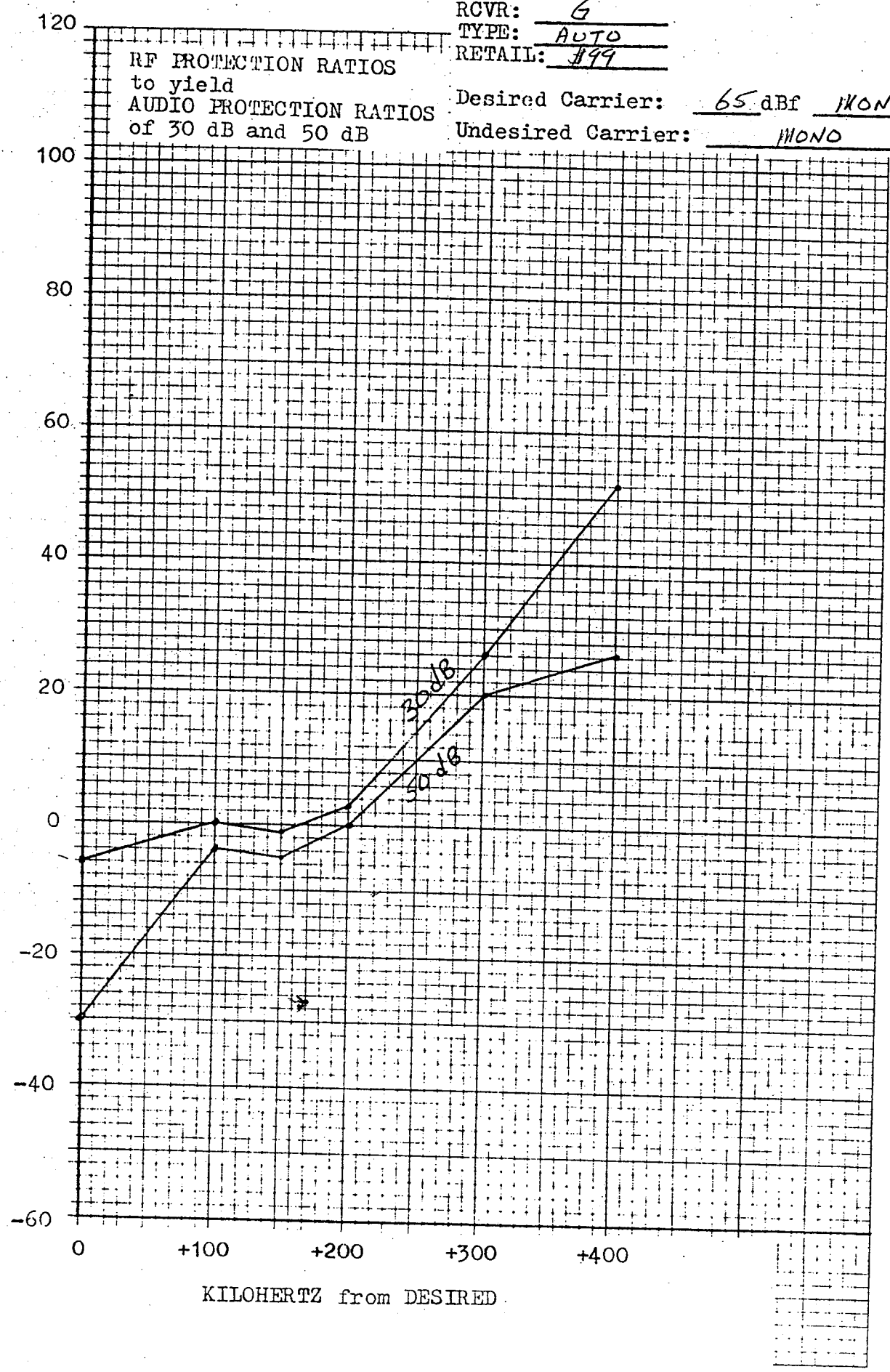
"G"
Auto
\$99

RCVR: G
TYPE: AUTO
RETAIL: #99

Desired Carrier: 65 dBf MONO
Undesired Carrier: MONO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



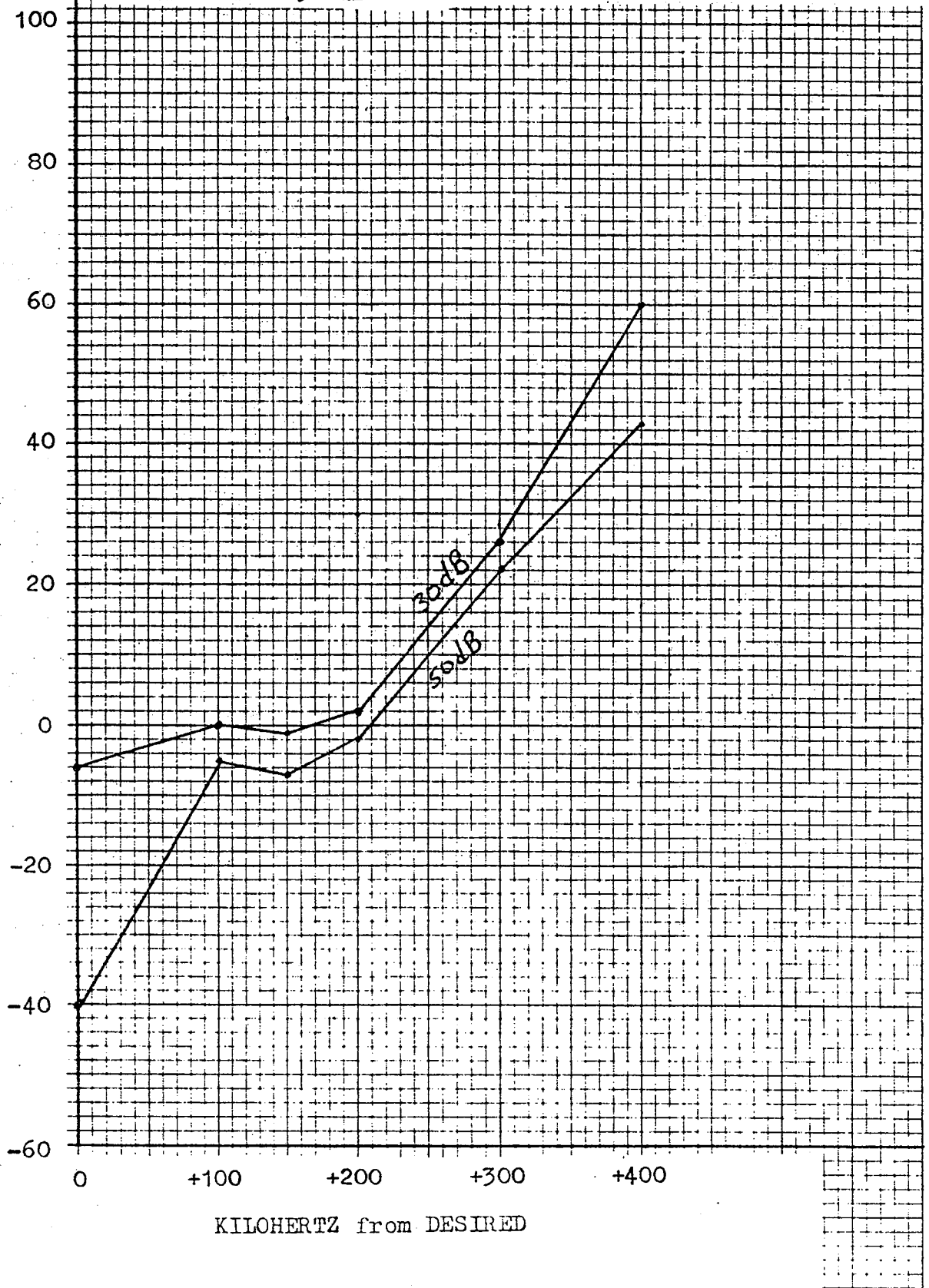
129

RCVR: 6
TYPE: AUTO
RETAIL: 1699

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf MONO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



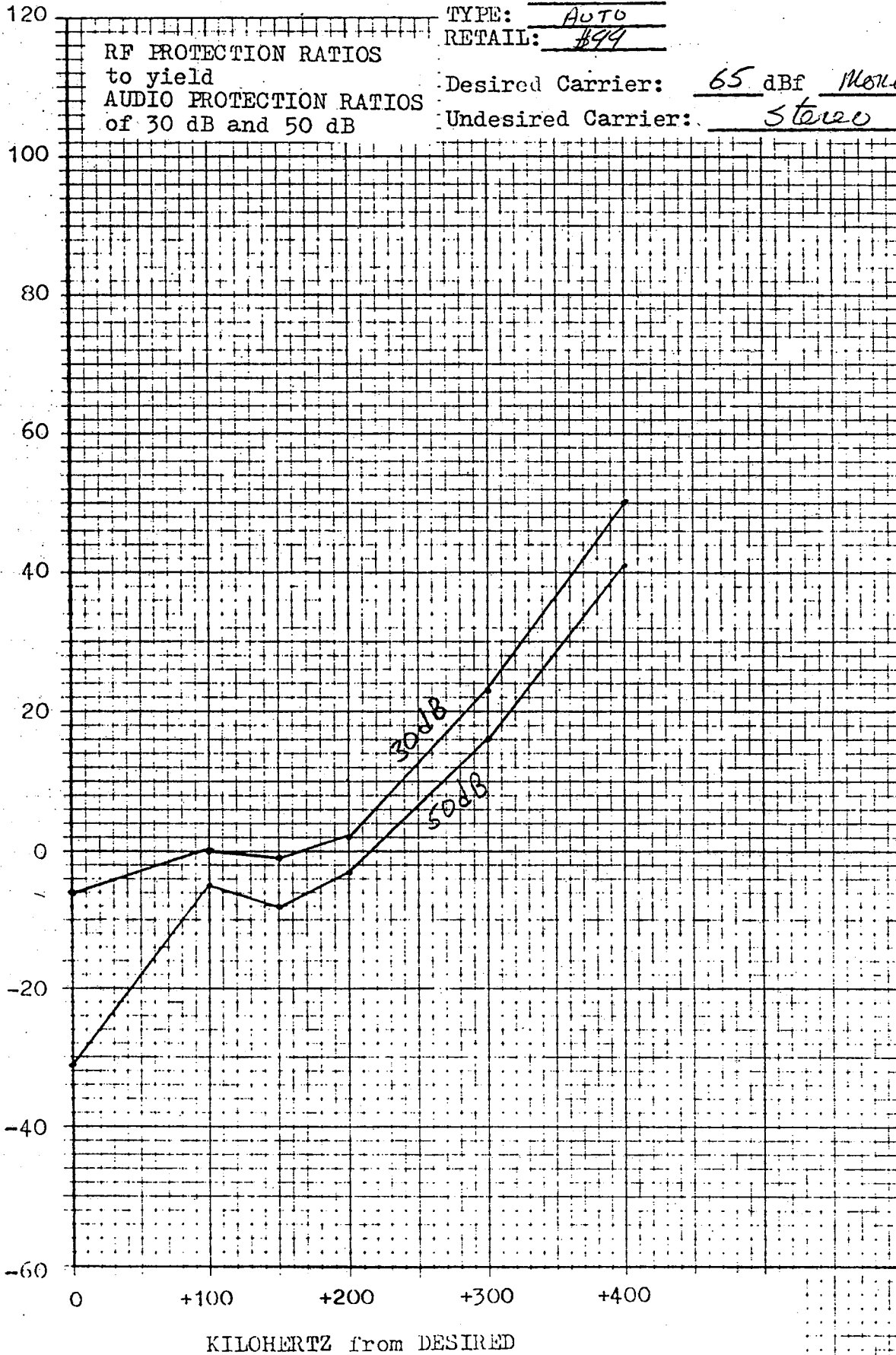
KILOHERTZ from DESIRED

RCVR: G
TYPE: AUTO
RETAIL: #99

Desired Carrier: 65 dB Mono
Undesired Carrier: Stereo

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



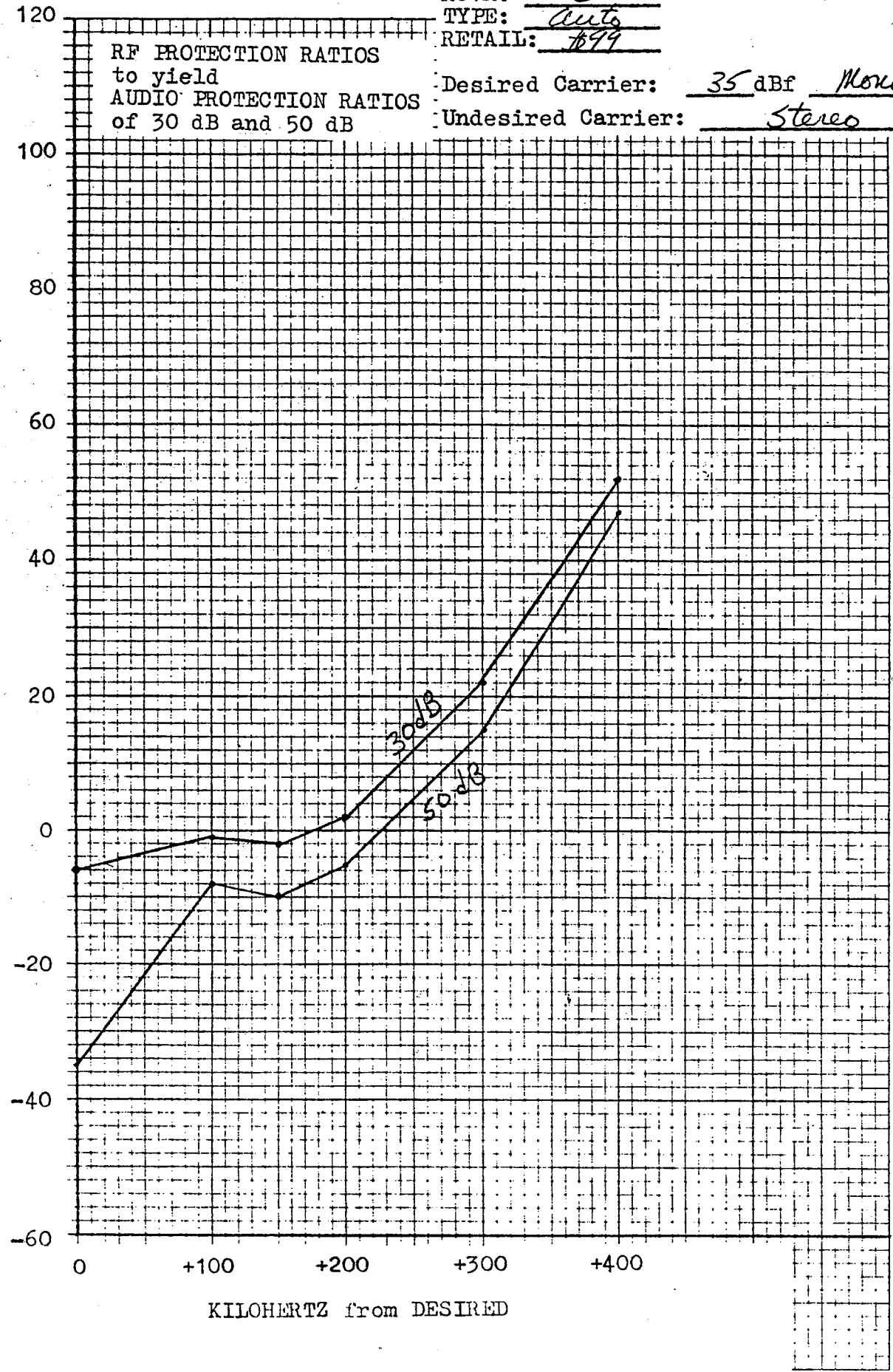
KILOHERTZ from DESIRED

RCVR: 6
TYPE: Auto
RETAIL: #99

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf Mono
Undesired Carrier: Stereo

RF PROTECTION RATIO (dB)



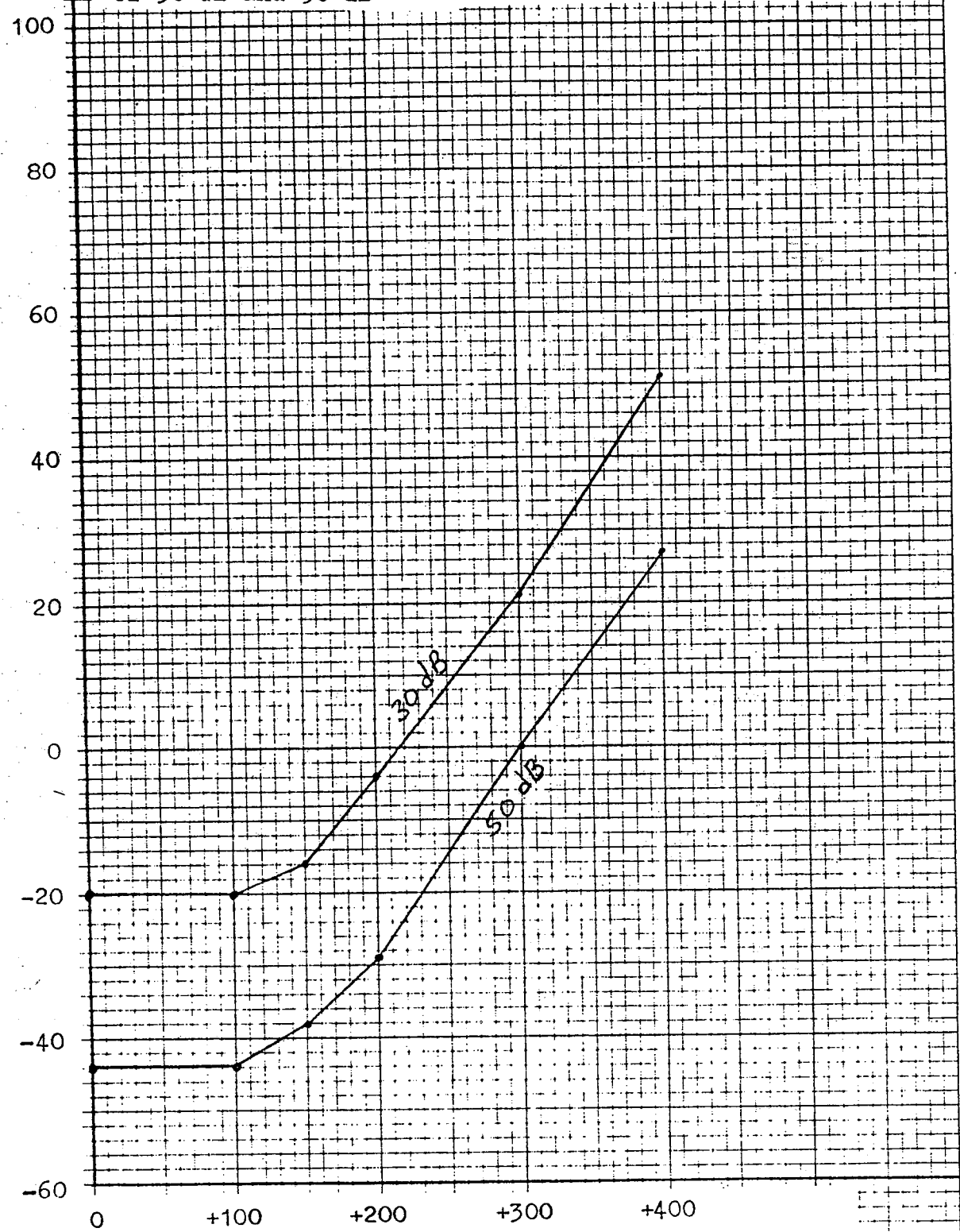
KILOHERTZ from DESIRED

RCVR: 6
TYPE: AUTO
RETAIL: \$99

Desired Carrier: 65 dBf STEREO
Undesired Carrier: MONO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

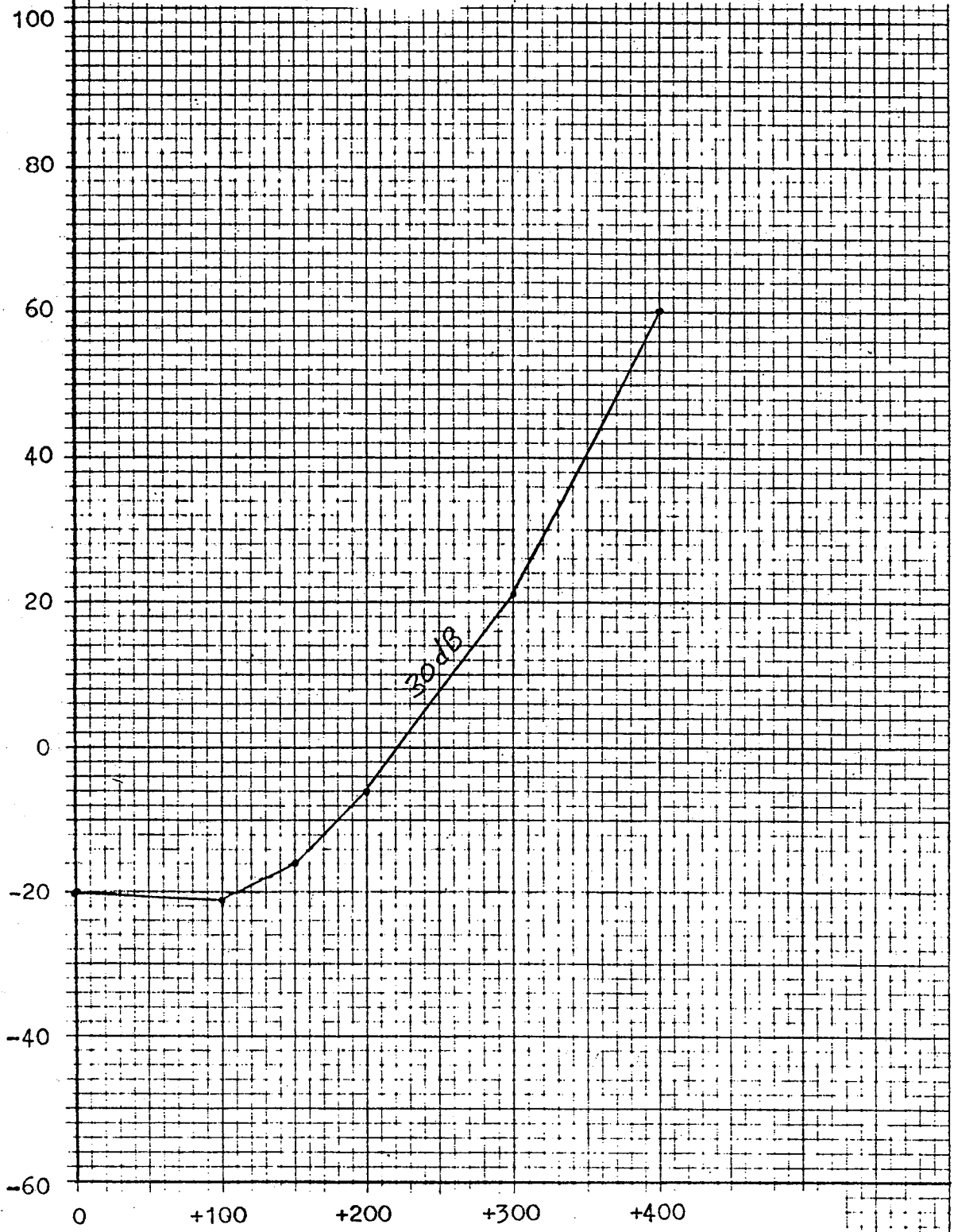


RCVR: 6
TYPE: AUTO
RETAIL: \$99

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf STEREO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

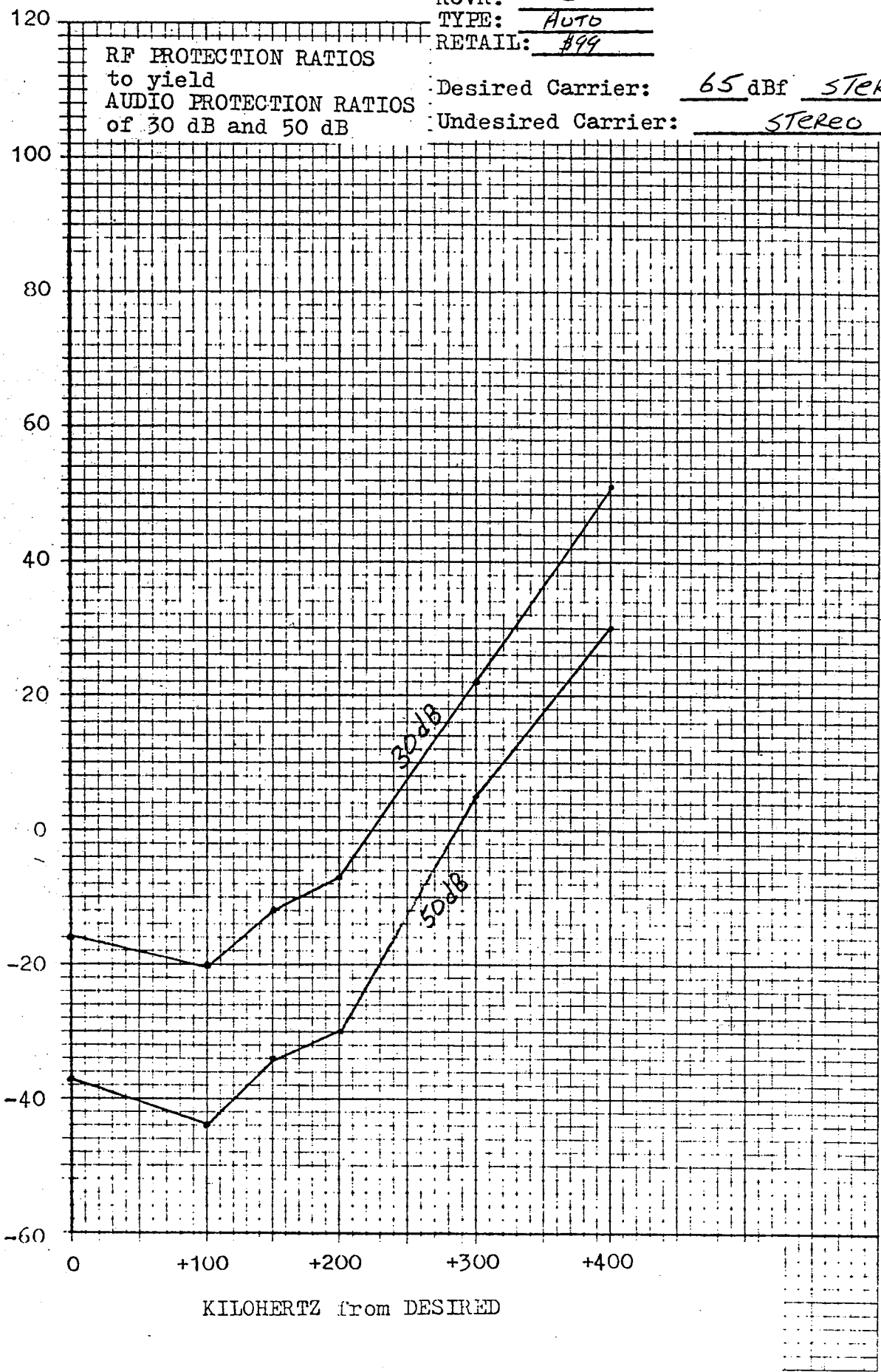
30dB

RCVR: G
TYPE: AUTO
RETAIL: 899

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf Stereo
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

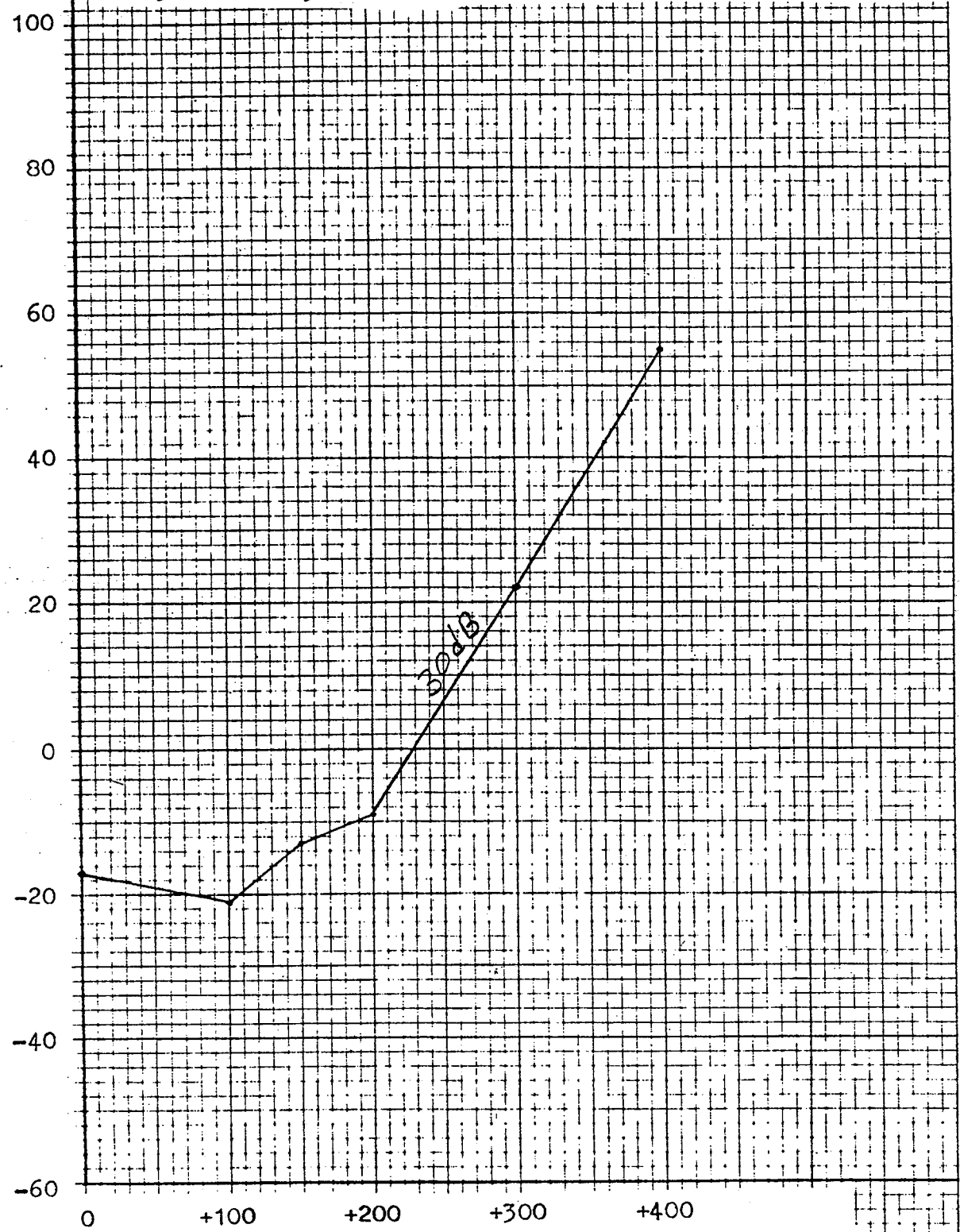


RCVR: 6
TYPE: AUTO
RETAIL: 899

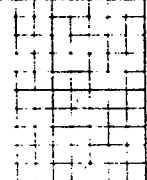
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf Stereo
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



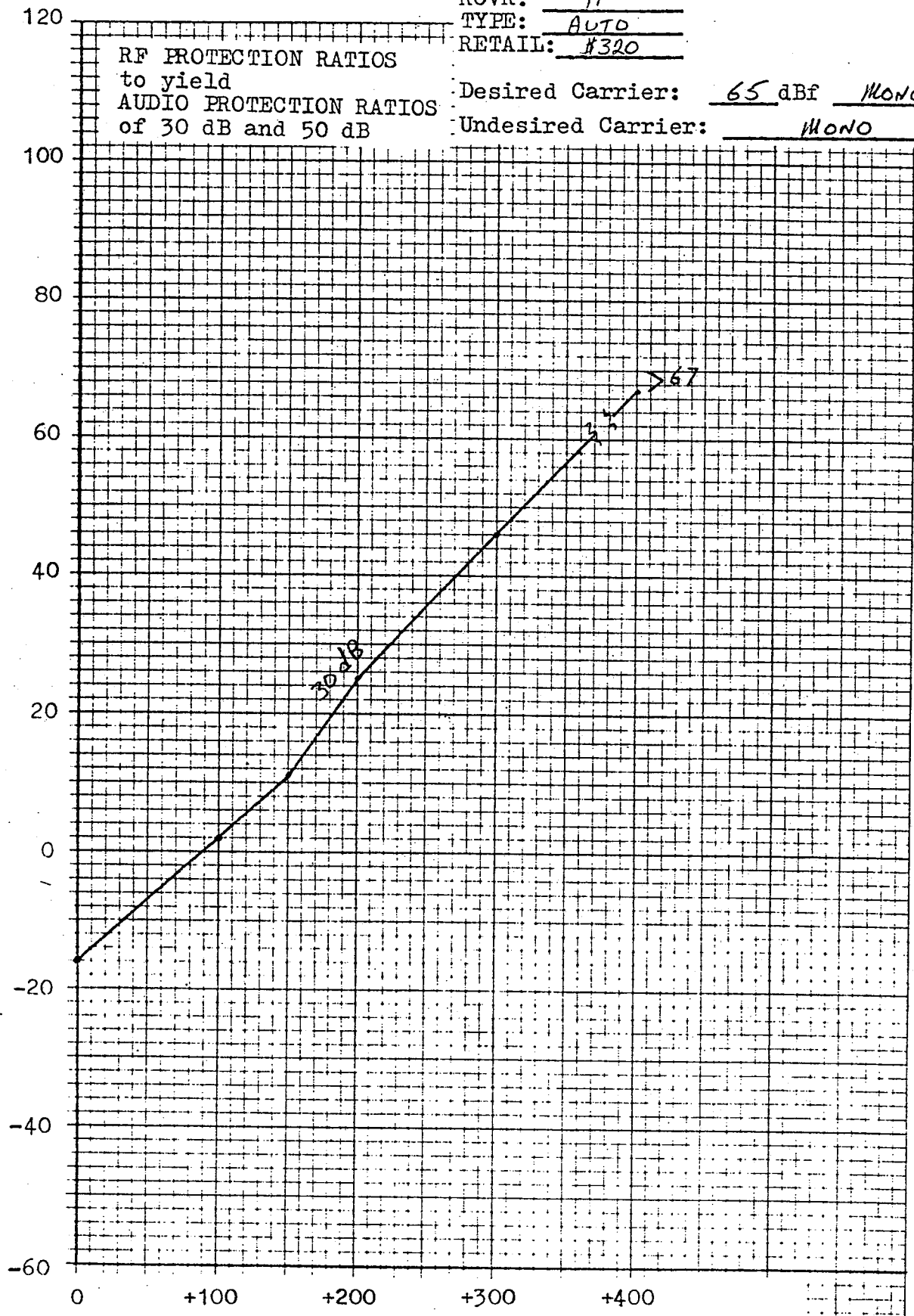
RECEIVER	"H"
TYPE	Auto
RETAIL	\$320

RCVR: H
TYPE: AUTO
RETAIL: #320

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf MONO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



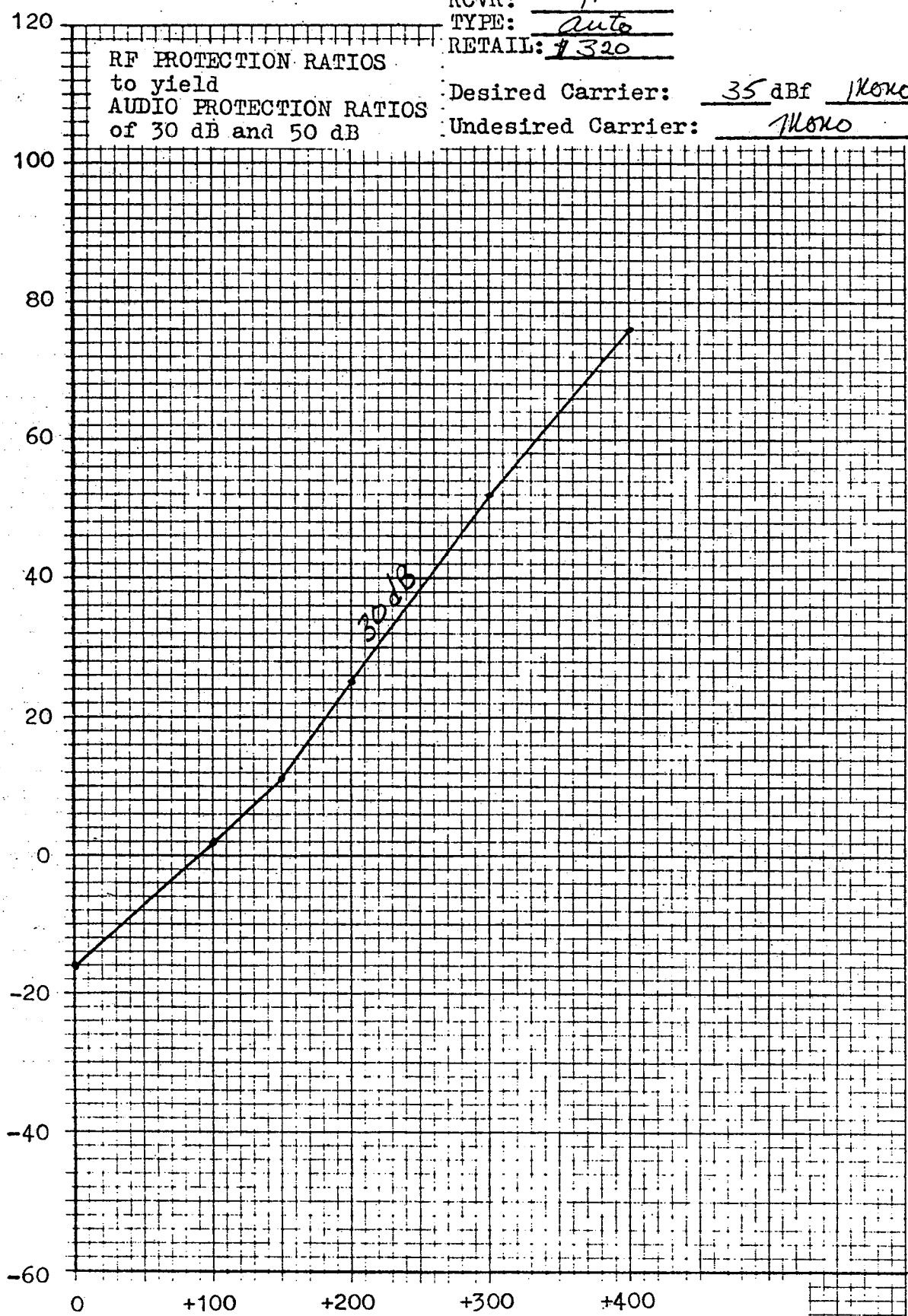
KILOHERTZ from DESIRED

RCVR: H
TYPE: Auto
RETAIL: 7320

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf 1K0X0
Undesired Carrier: 1K0X0

RF PROTECTION RATIO (dB)



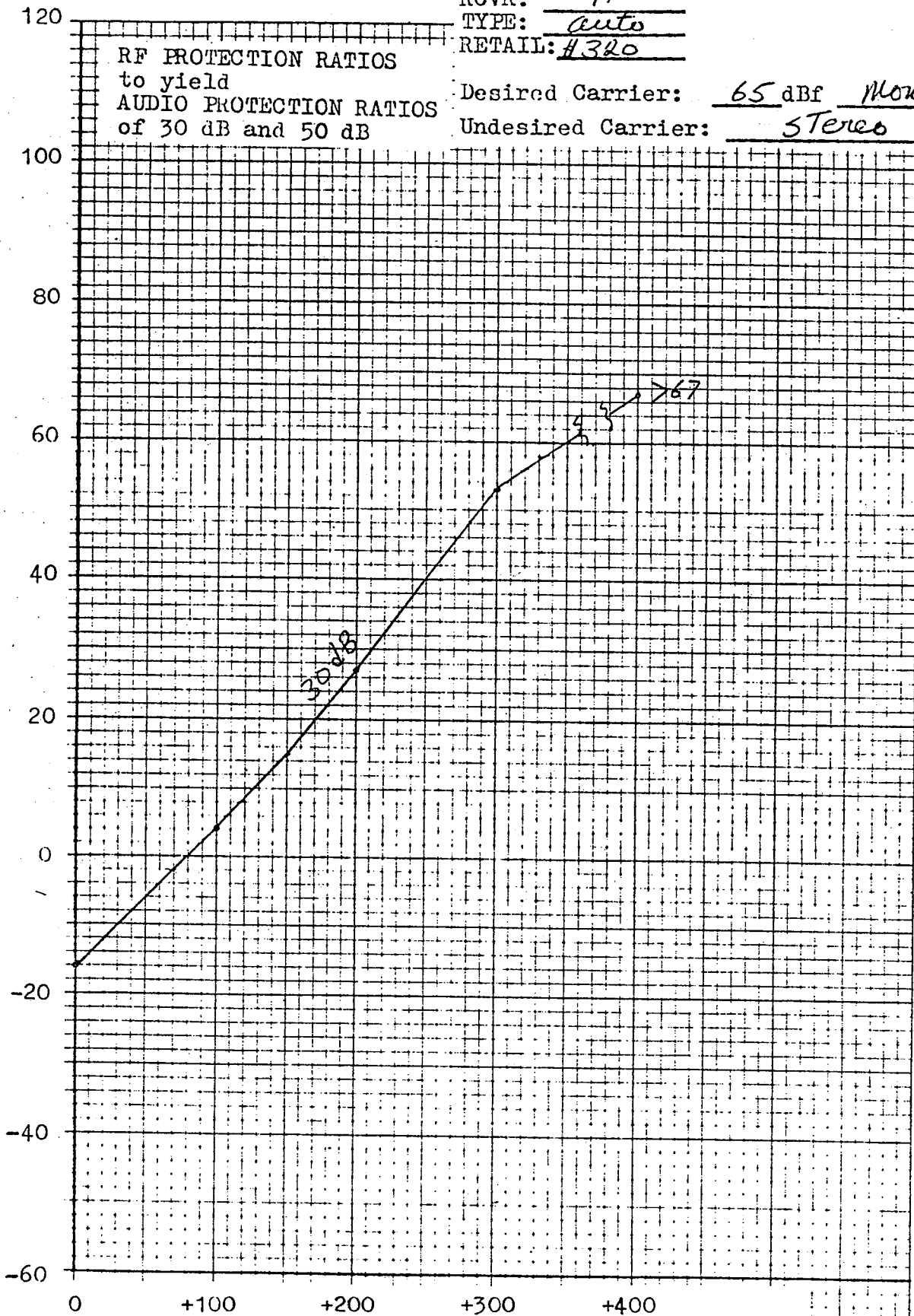
KILOHERTZ from DESIRED

RCVR: H
TYPE: auto
RETAIL: #320

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf Mono
Undesired Carrier: Stereo

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

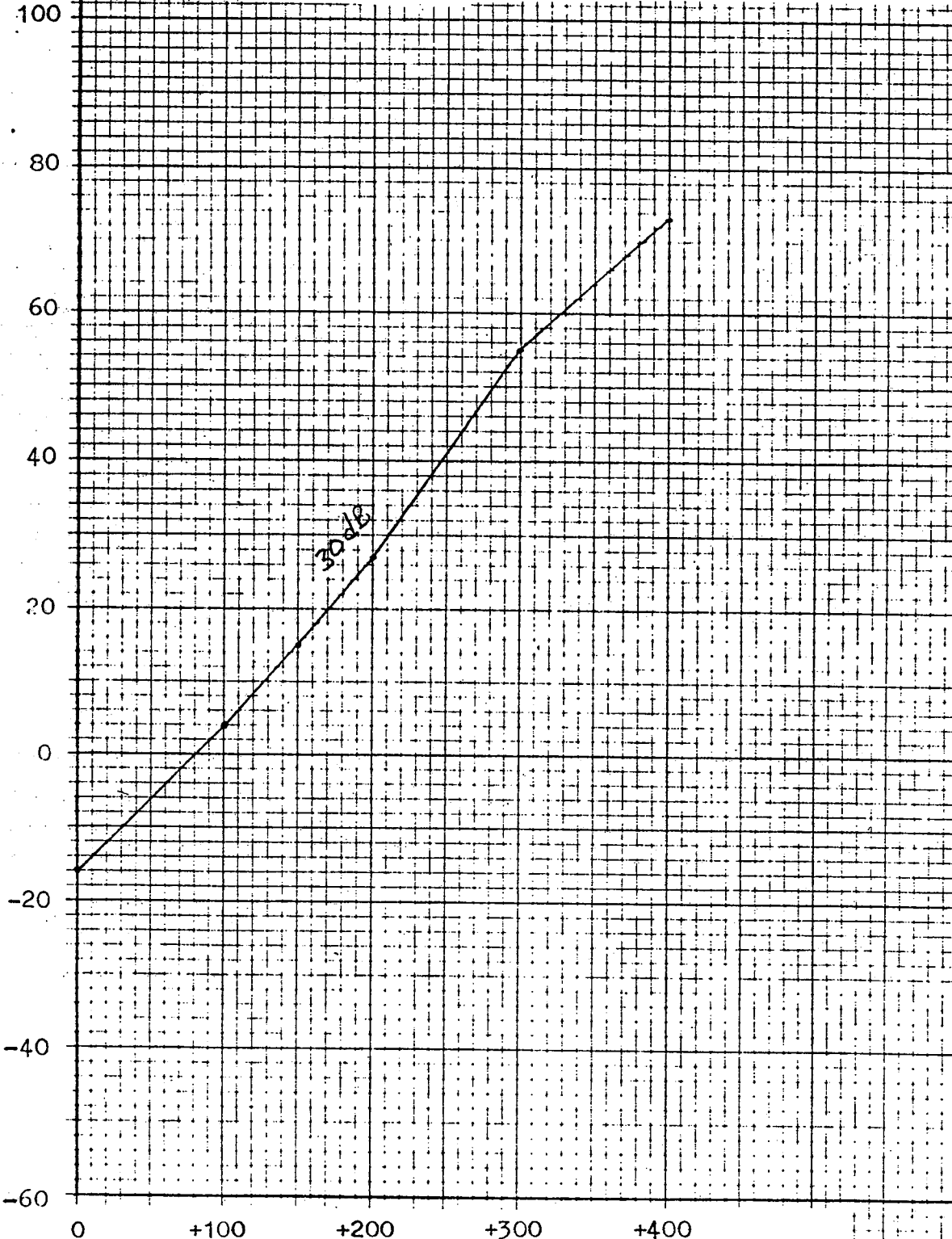


RCVR: H
TYPE: AUTO
RETAIL: \$320

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dB Mono
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



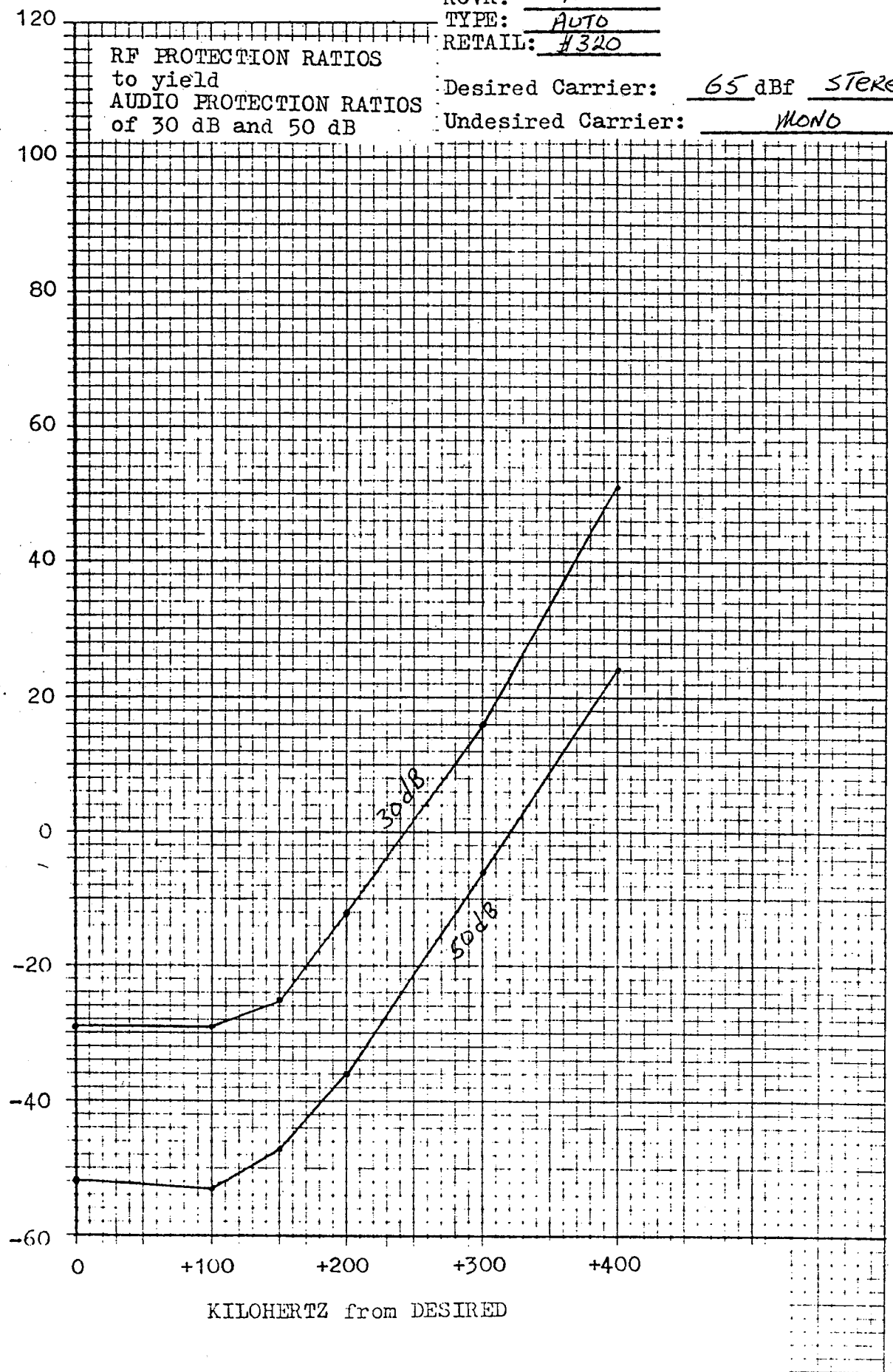
KILOHERTZ from DESIRED

RCVR: H
TYPE: AUTO
RETAIL: #320

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf STEREO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



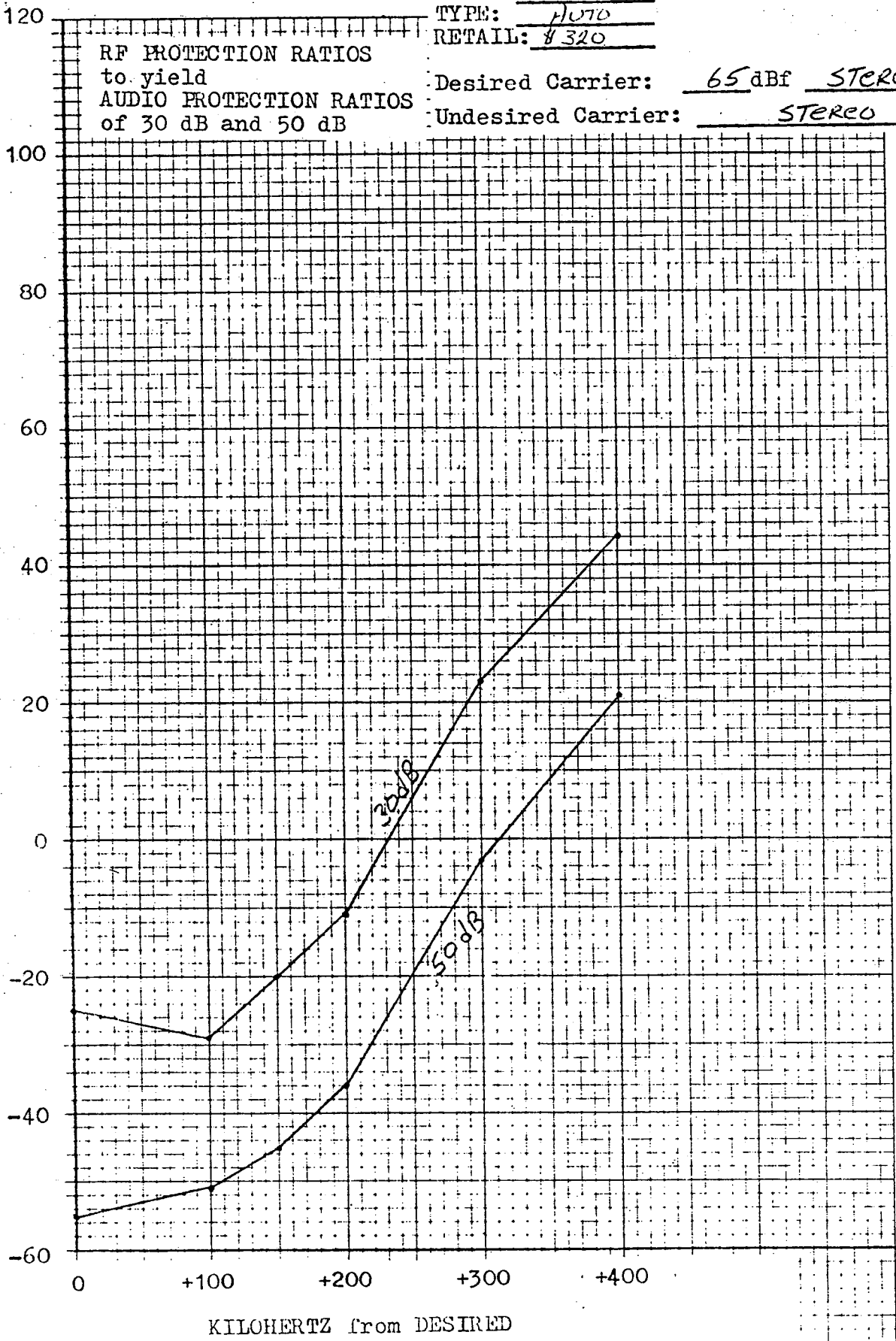
KILOHERTZ from DESIRED

RCVR: H
TYPE: PLUTO
RETAIL: #320

Desired Carrier: 65 dBf STEREO
Undesired Carrier: STEREO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

RECEIVER	"I"
TYPE	Portable
RETAIL	\$210

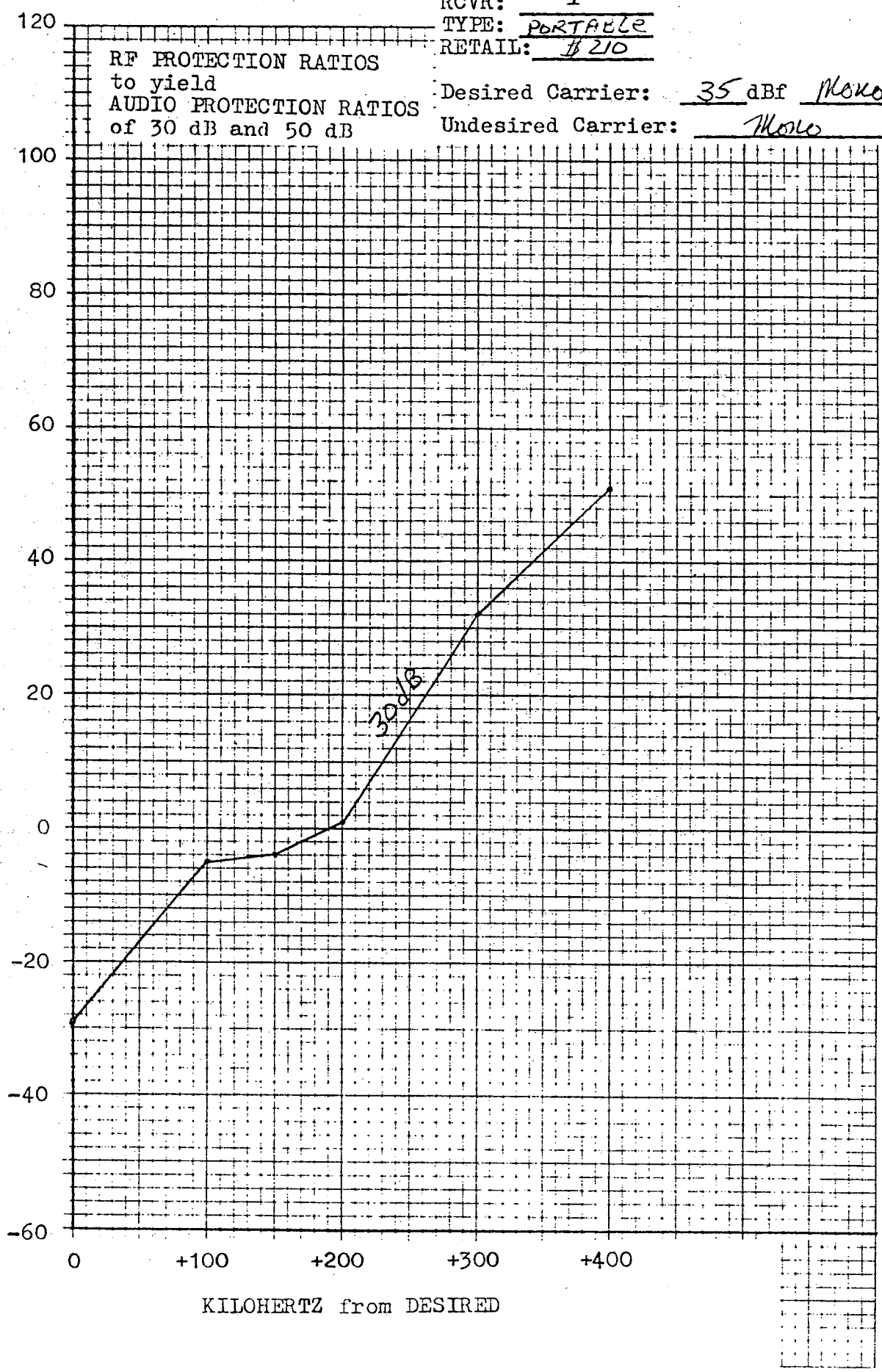
144

RCVR: 1
TYPE: PORTABLE
RETAIL: # 210

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf Moxo
Undesired Carrier: Moxo

RF PROTECTION RATIO (dB)



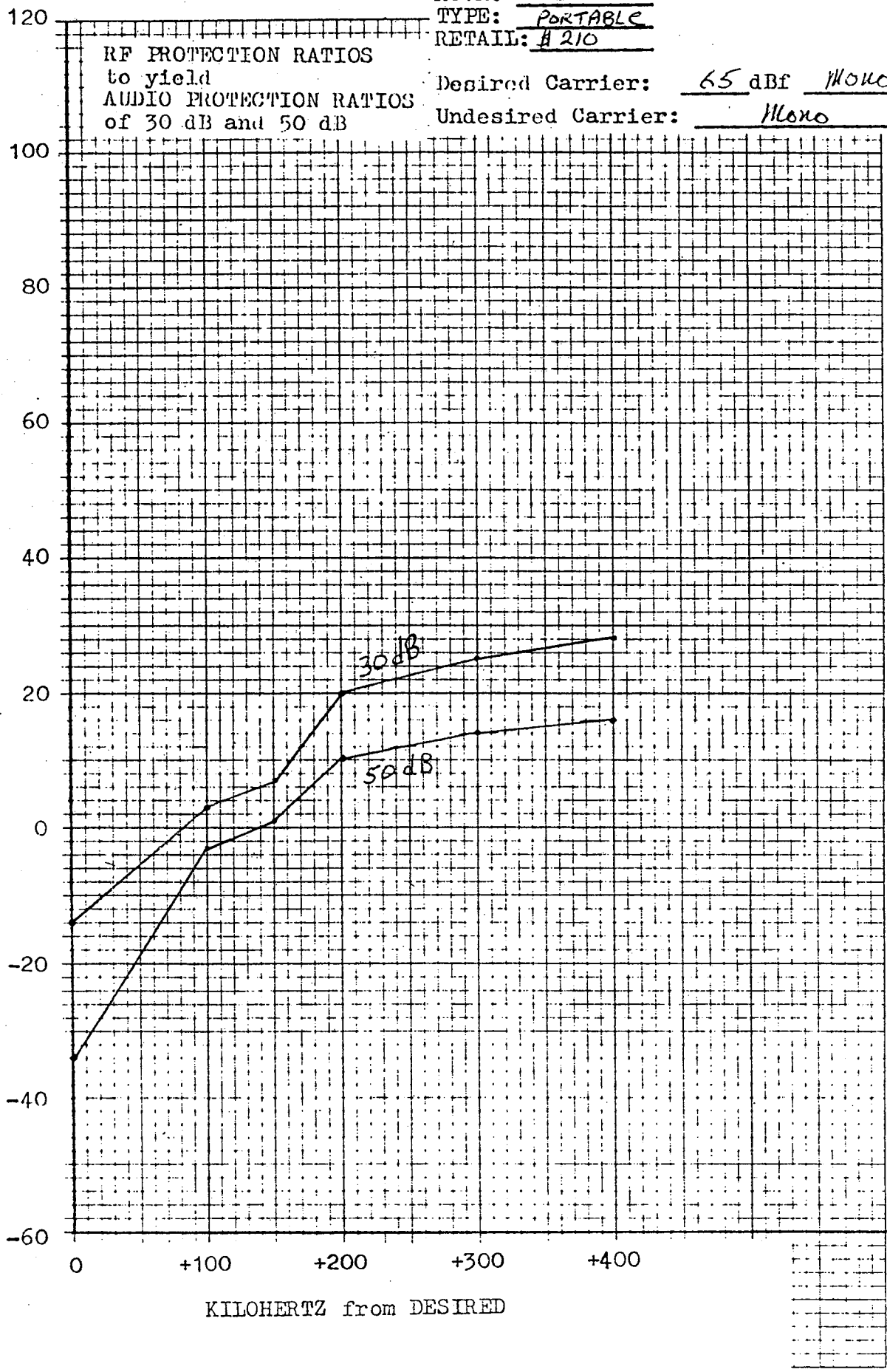
KILOHERTZ from DESIRED

RCVR: I
TYPE: PORTABLE
RETAIL: # 210

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf Mono
Undesired Carrier: Mono

RF PROTECTION RATIO (dB)



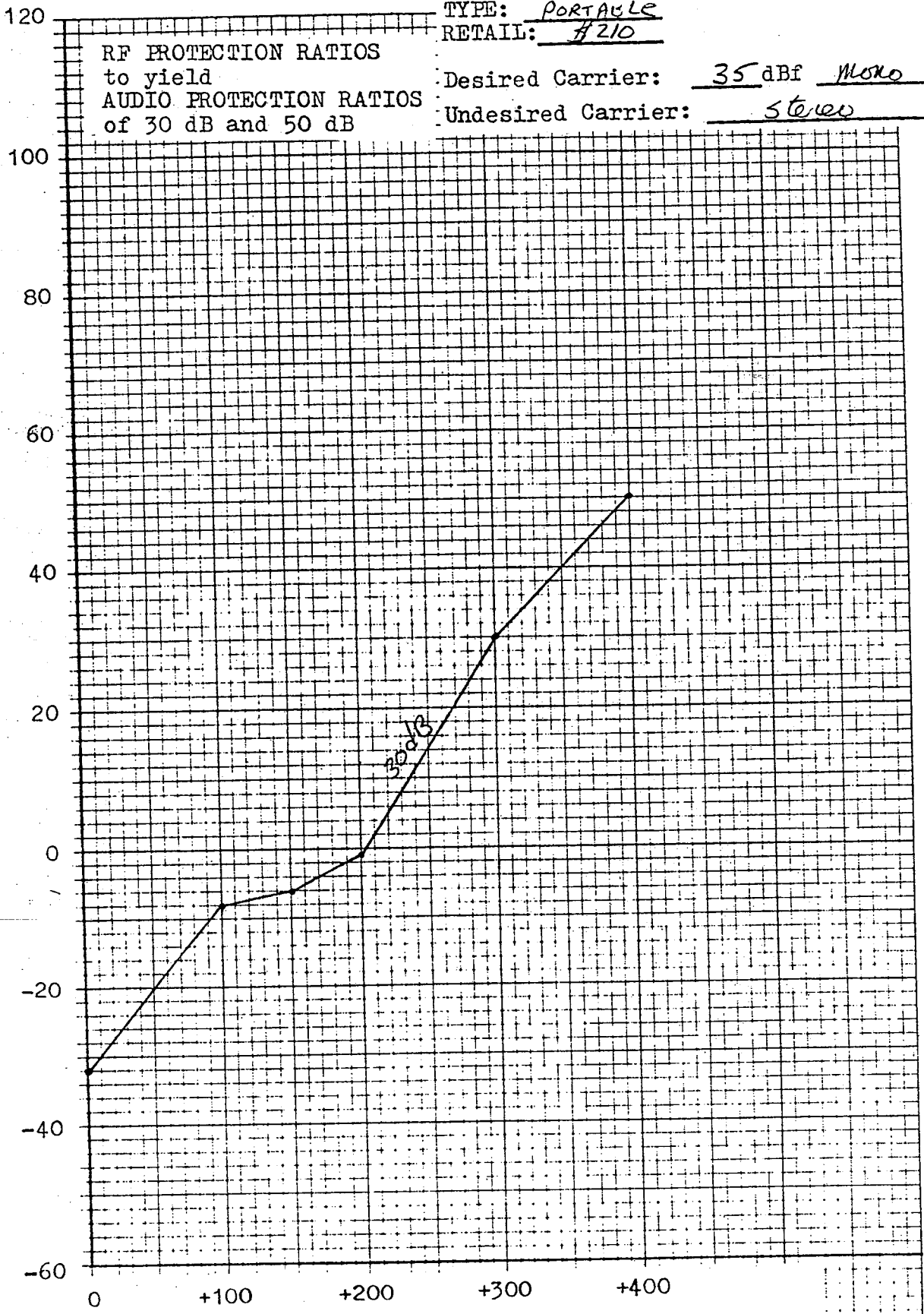
KILOHERTZ from DESIRED

RCVR: I
TYPE: PORTABLE
RETAIL: #210

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf Mono
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



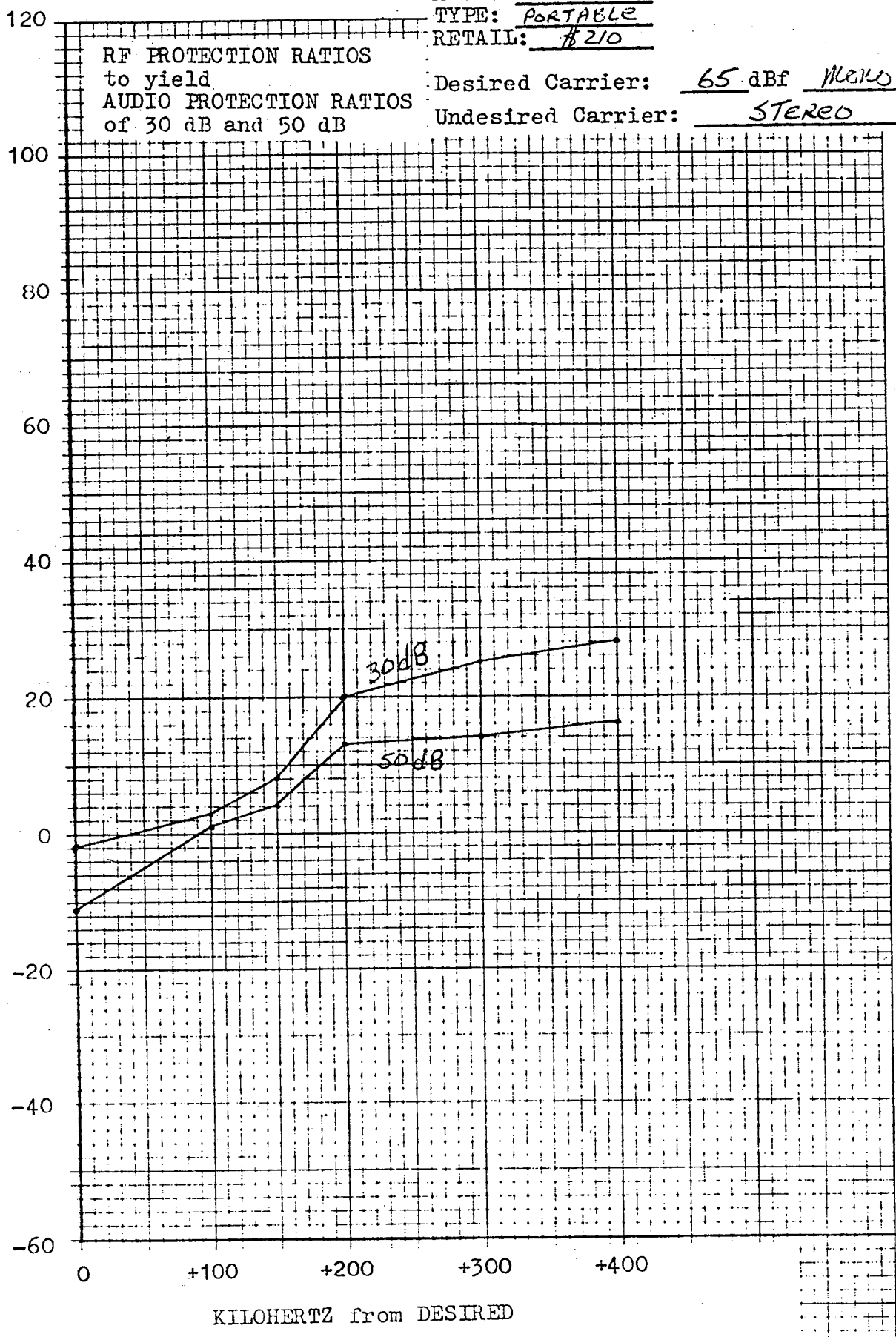
KILOHERTZ from DESIRED

RCVR: I
TYPE: PORTABLE
RETAIL: #210

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf MEXICO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



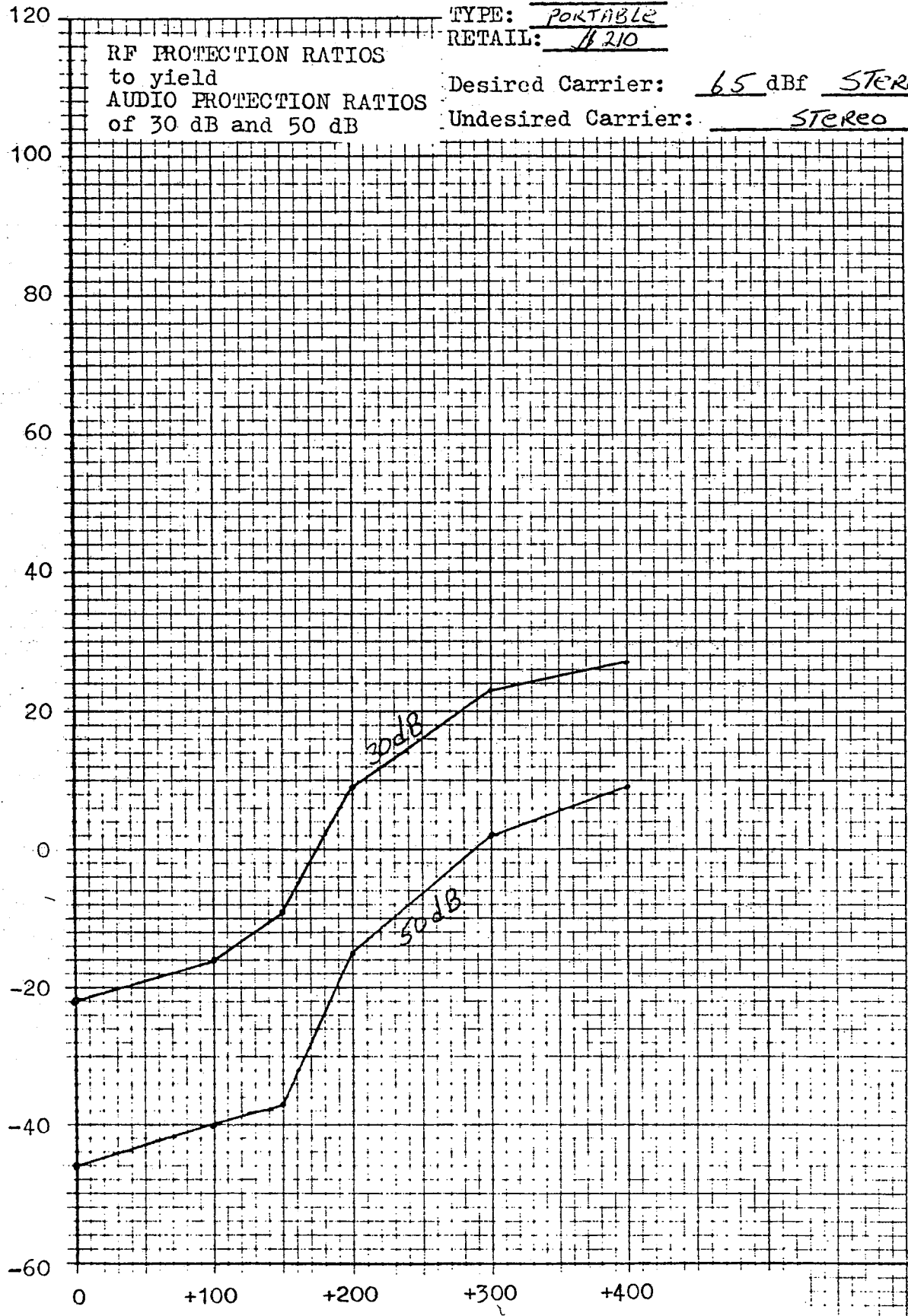
KILOHERTZ from DESIRED

RCVR: I
TYPE: PORTABLE
RETAIL: #210

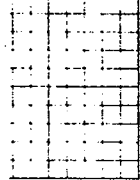
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf STEREO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

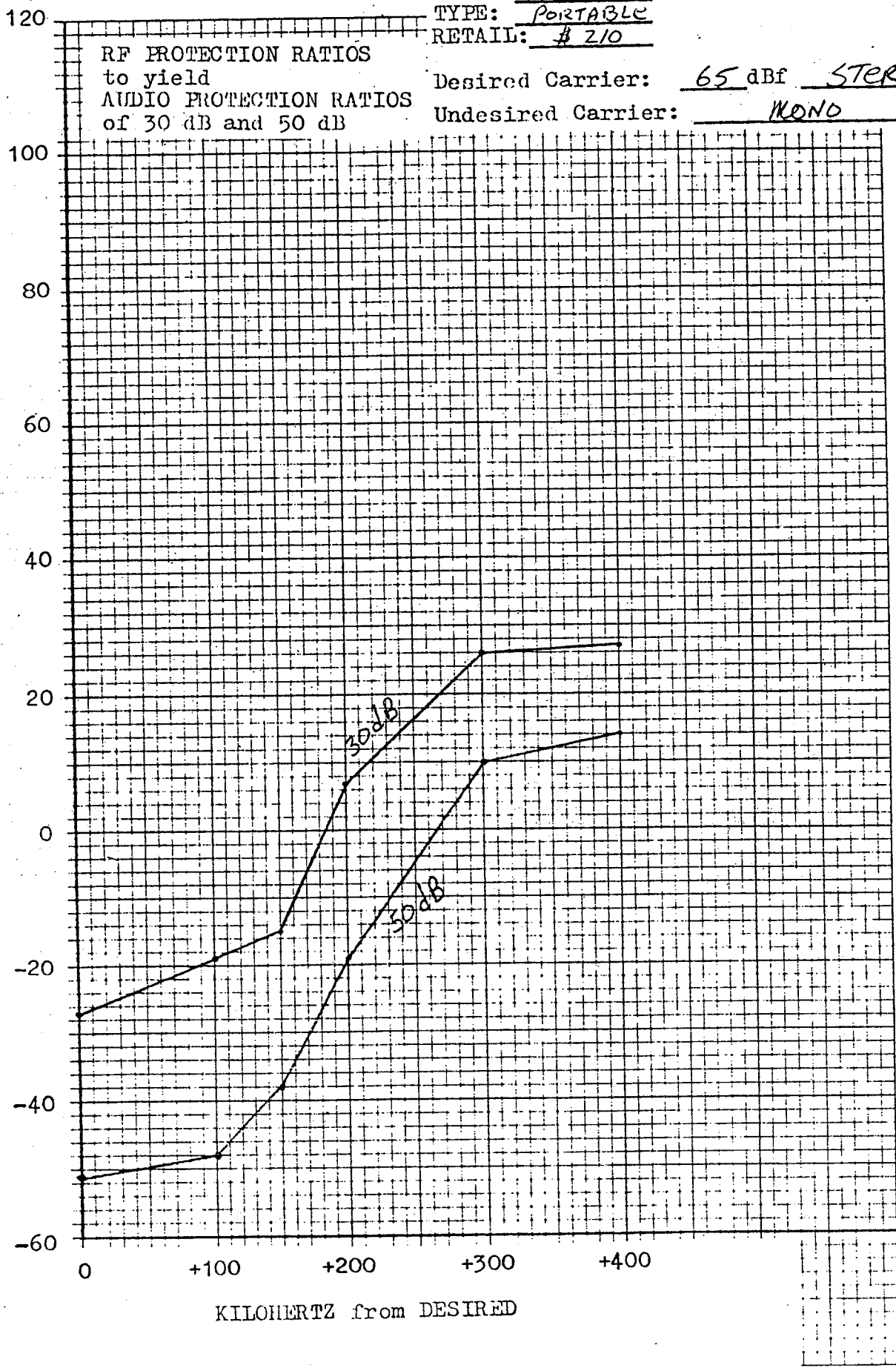


RCVR: I
TYPE: PORTABLE
RETAIL: \$ 210

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf STEREO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

RECEIVER	"J"
TYPE	Portable
RETAIL	\$130

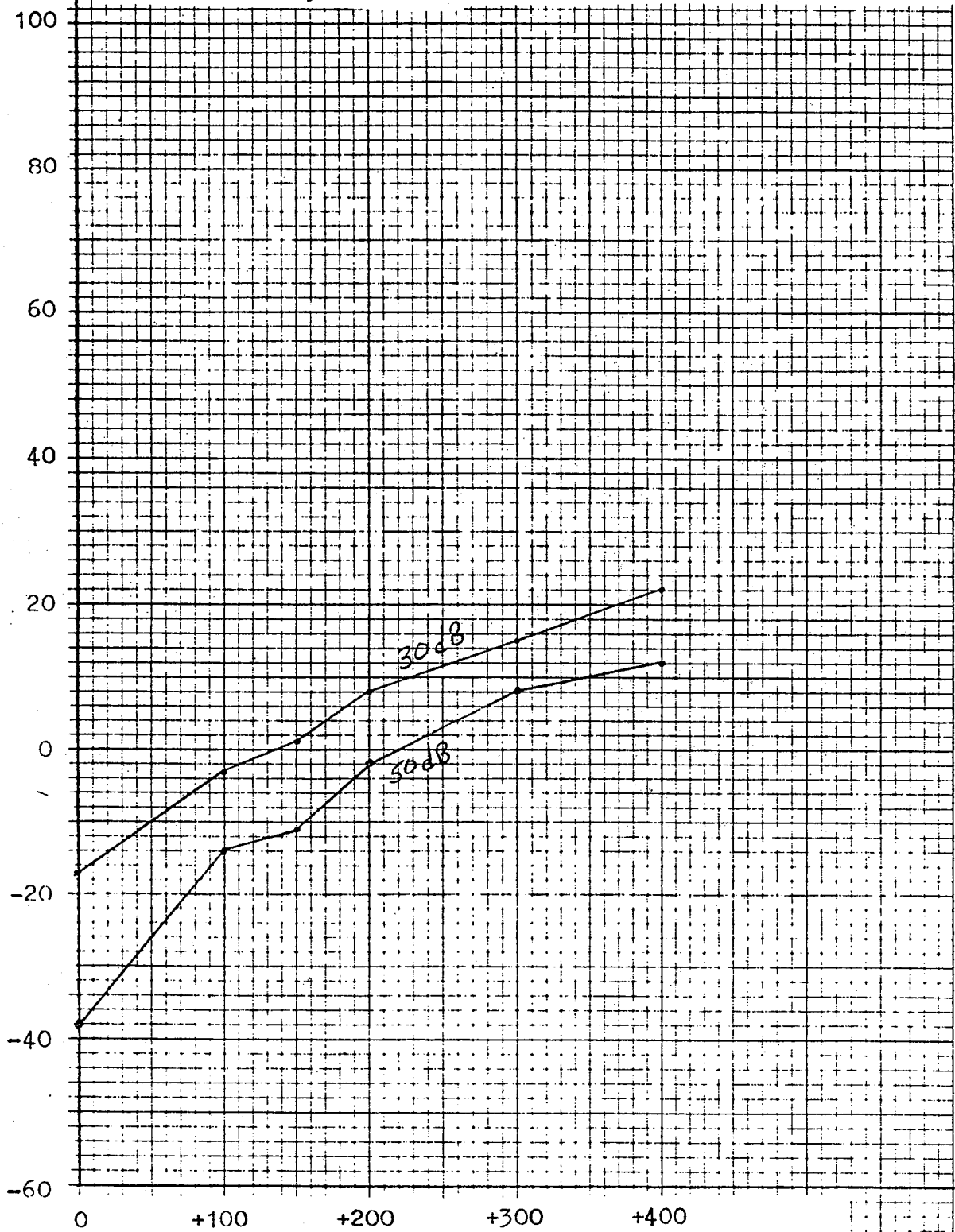
120
100
80
60
40
20
0
-20
-40
-60

RF PROTECTION RATIO (dB)

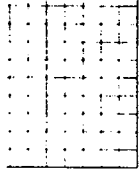
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RCVR: J
TYPE: PORTABLE
RETAIL: #130

Desired Carrier: 65 dBf 11610
Undesired Carrier: 11610



KILOHERTZ from DESIRED

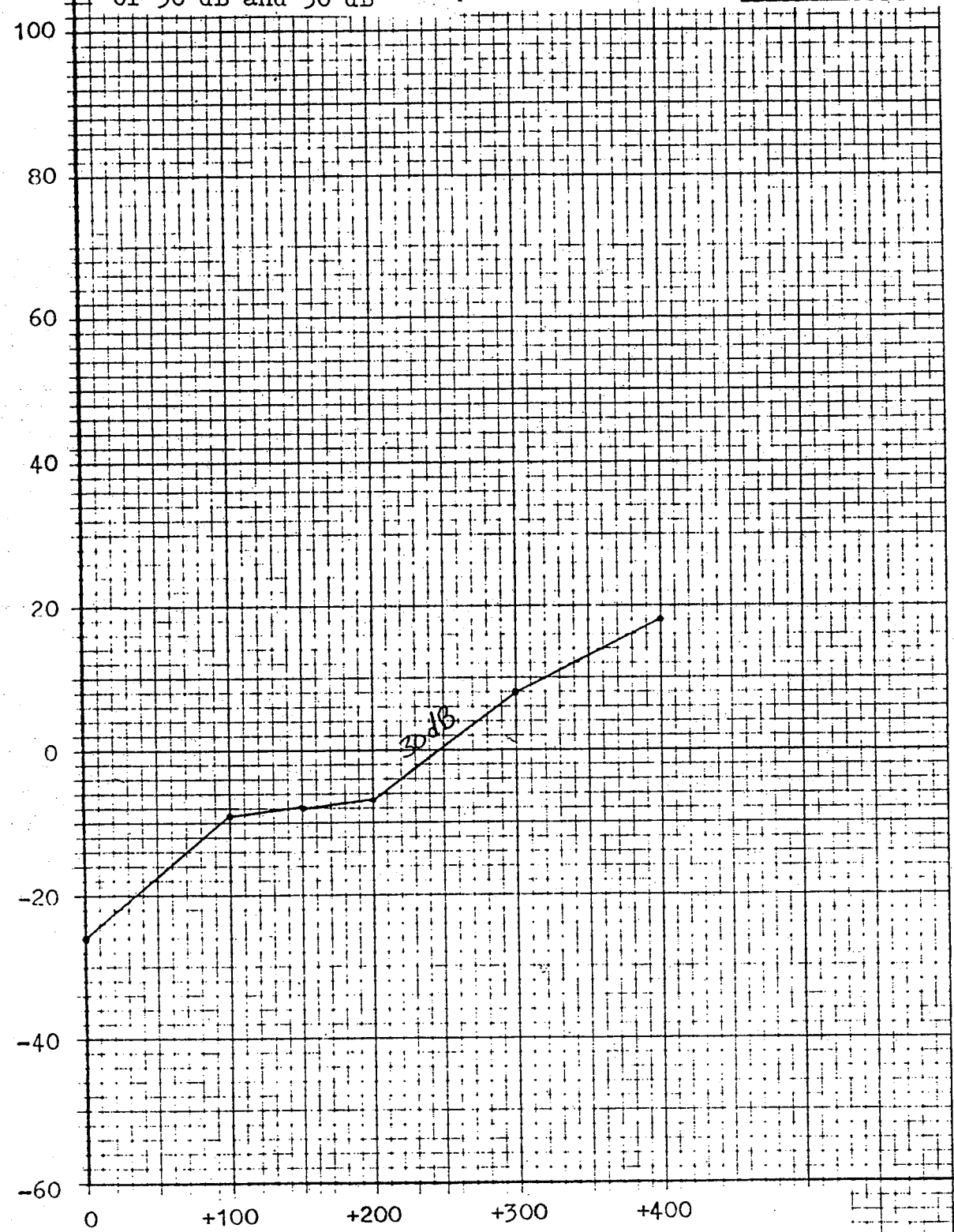


150

RCVR: J
TYPE: PORTABLE
RETAIL: \$130
Desired Carrier: 35 dB 1600
Undesired Carrier: 1600

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



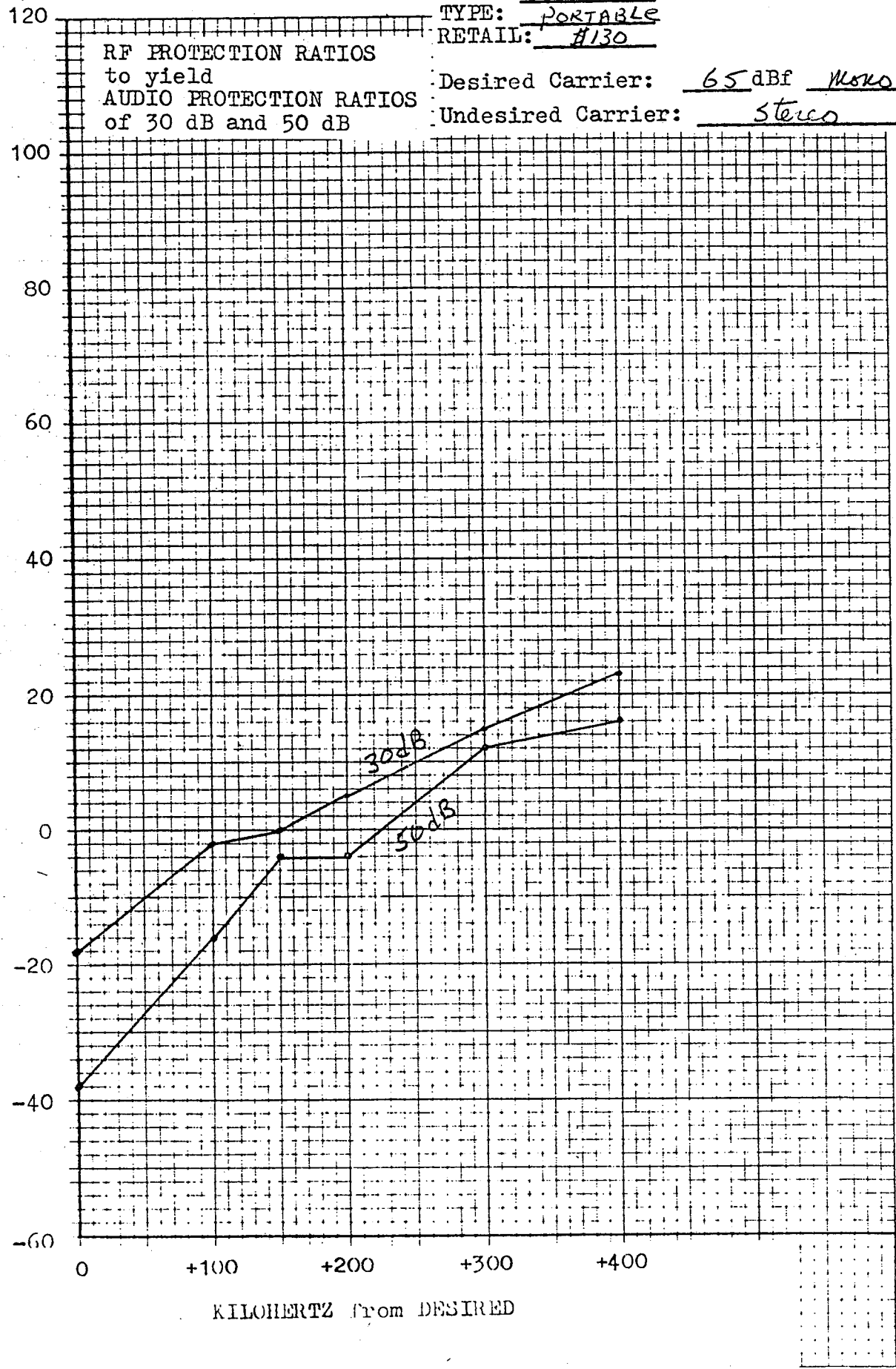
KILOHERTZ from DESIRED

RCVR: J
TYPE: PORTABLE
RETAIL: #130

Desired Carrier: 65 dBf Mono
Undesired Carrier: stereo

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



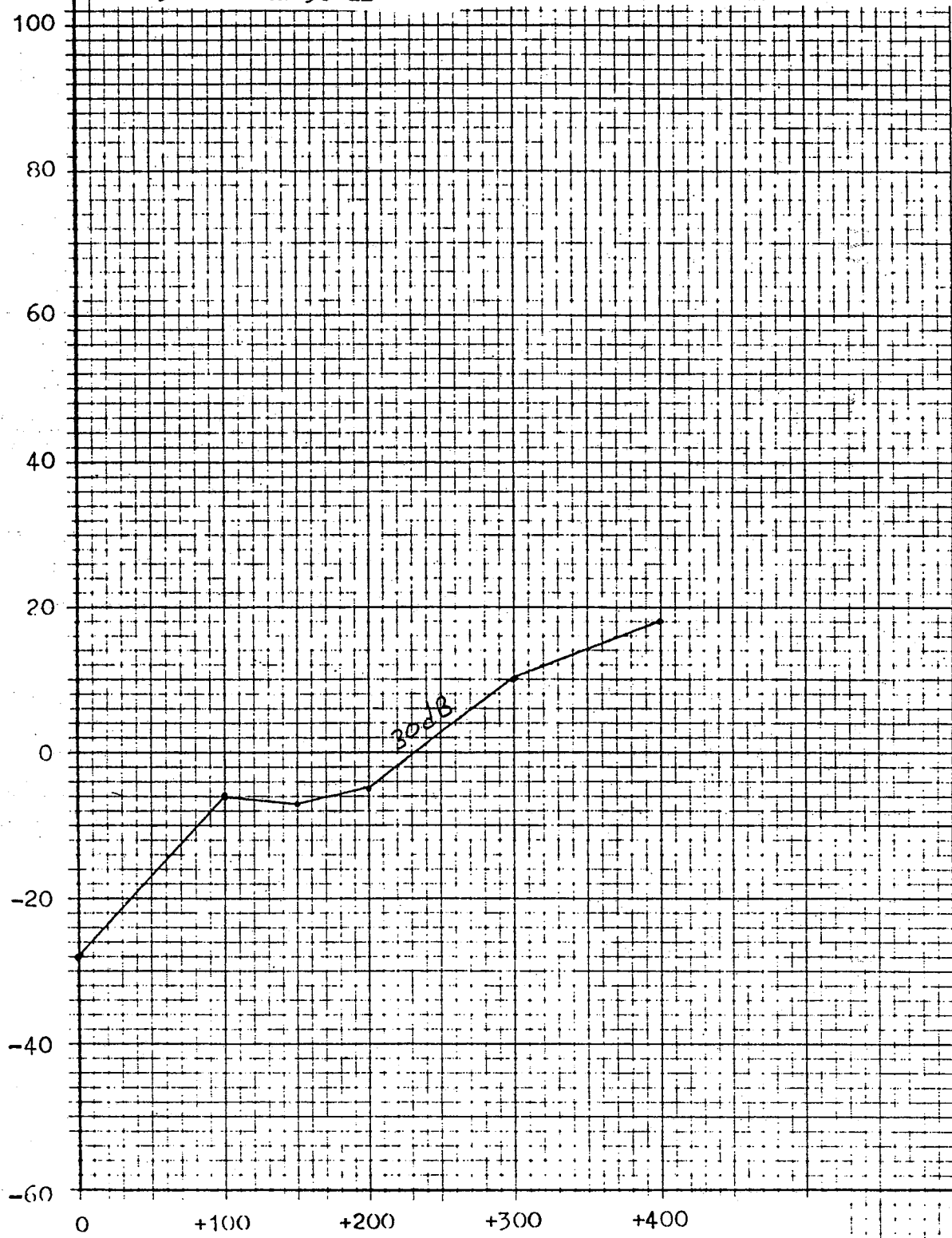
KILOHERTZ from DESIRED

RCVR: J
TYPE: PORTABLE
RETAIL: #130

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dB Mono
Undesired Carrier: stereo

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



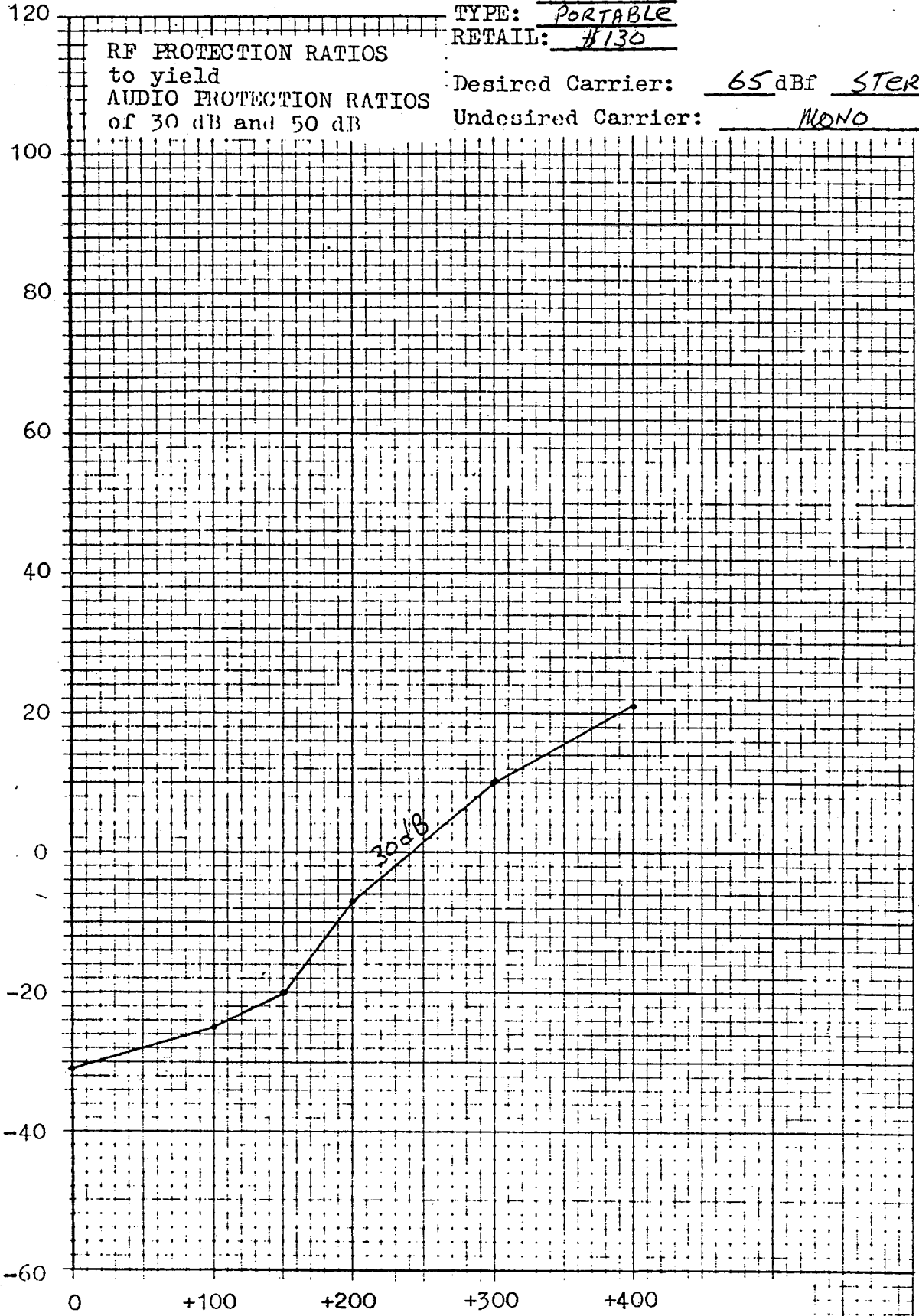
35

RCVR: J
TYPE: PORTABLE
RETAIL: #130

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf STEREO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

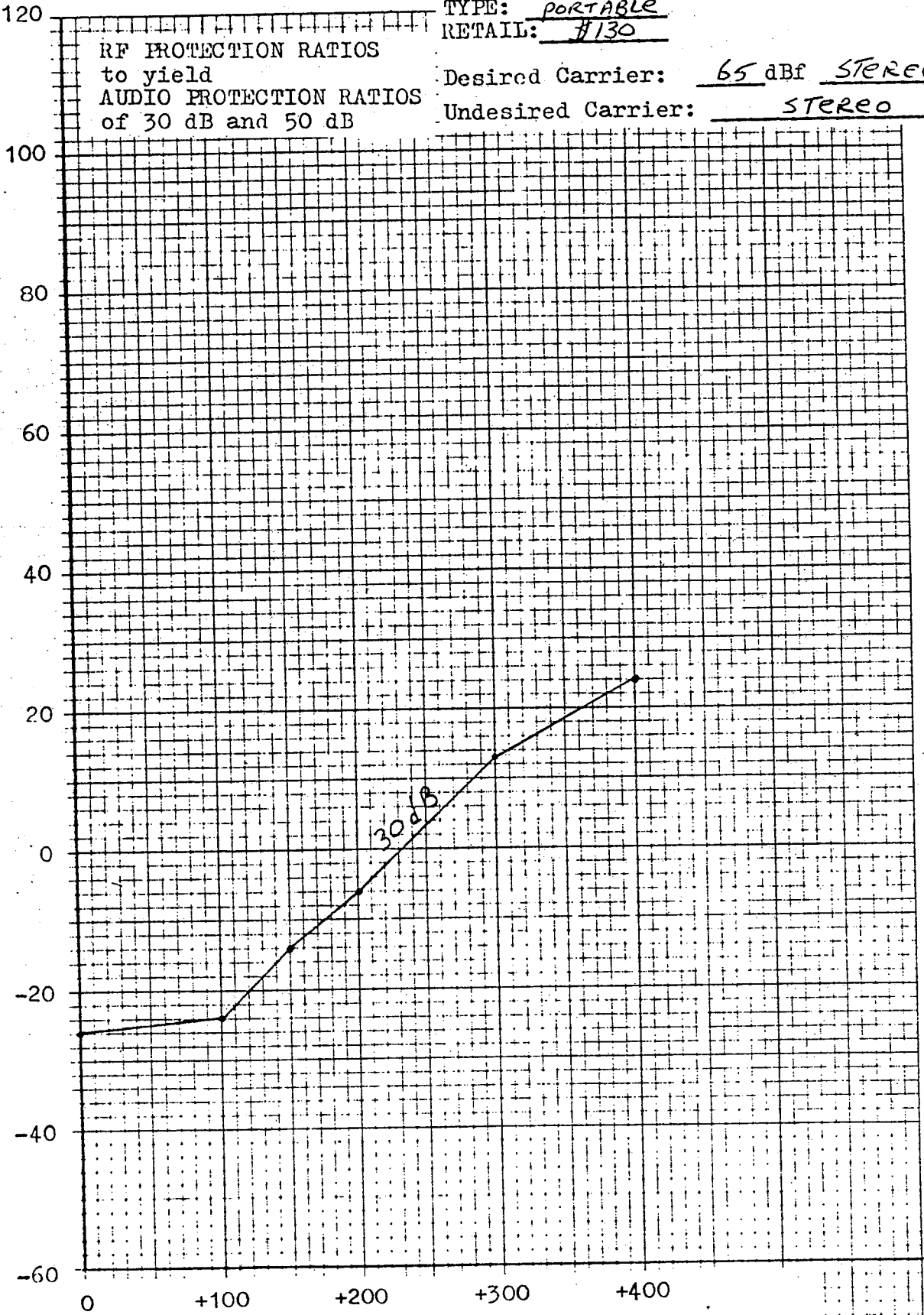


RCVR: J
TYPE: PORTABLE
RETAIL: #130

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf STEREO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)

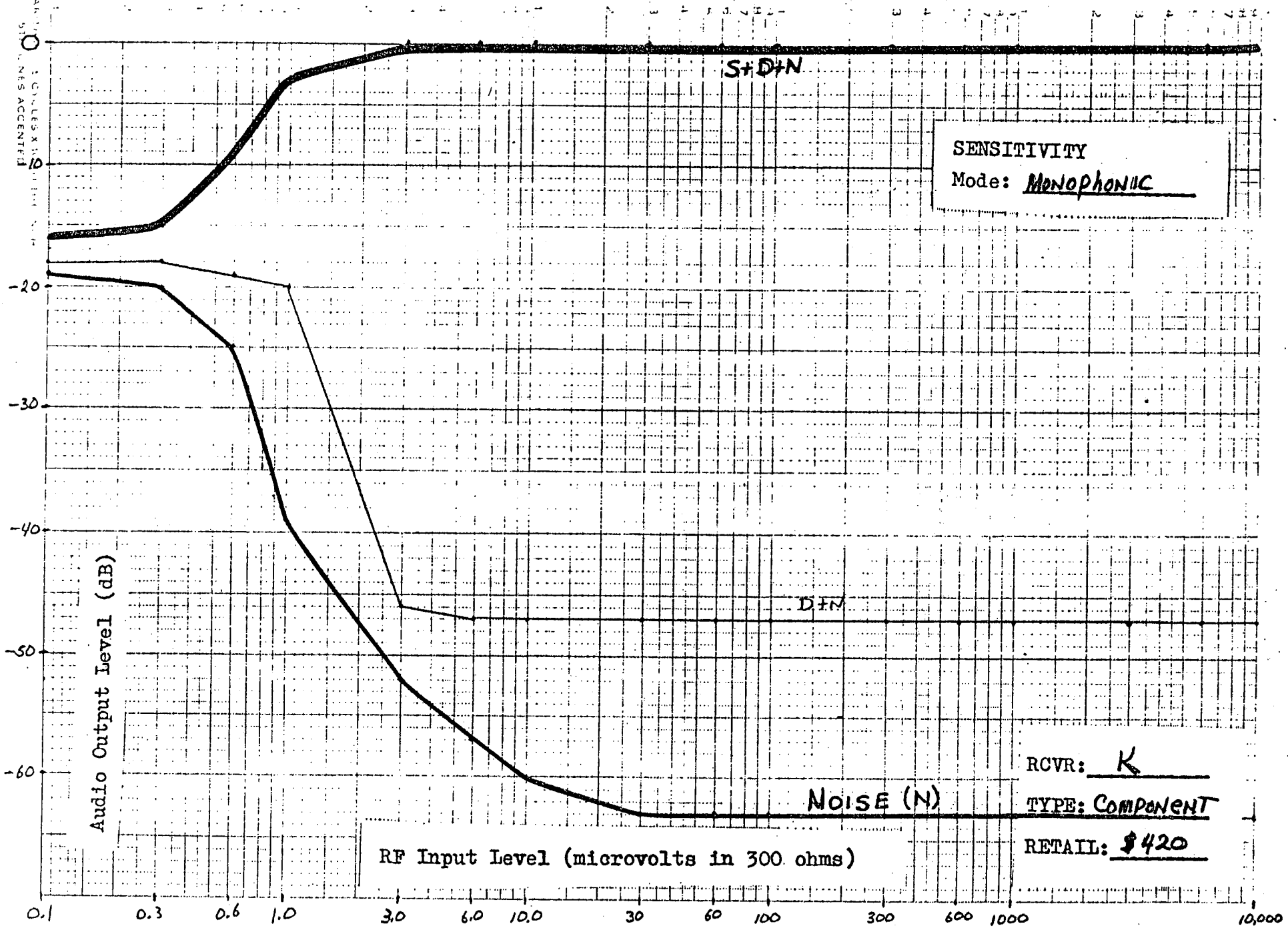


KILOHERTZ from DESIRED



9.
RECEIVER
TYPE
RETAIL

"K"
Component
\$420.



SENSITIVITY
Mode: MONOPHONIC

RCVR: K
TYPE: COMPONENT
RETAIL: \$420

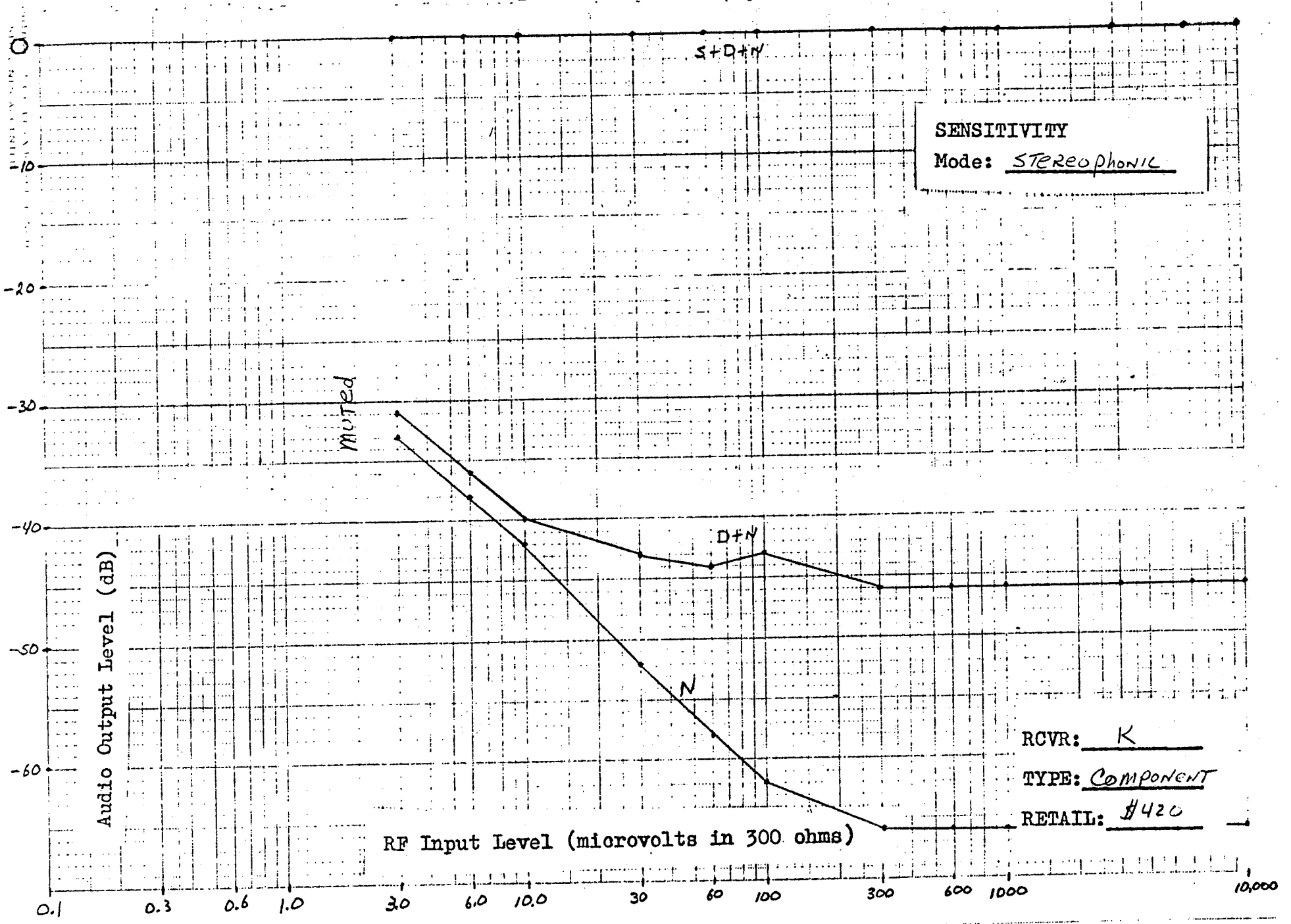
Audio Output Level (dB)

RF Input Level (microvolts in 300 ohms)

S+N

D+N

NOISE (N)

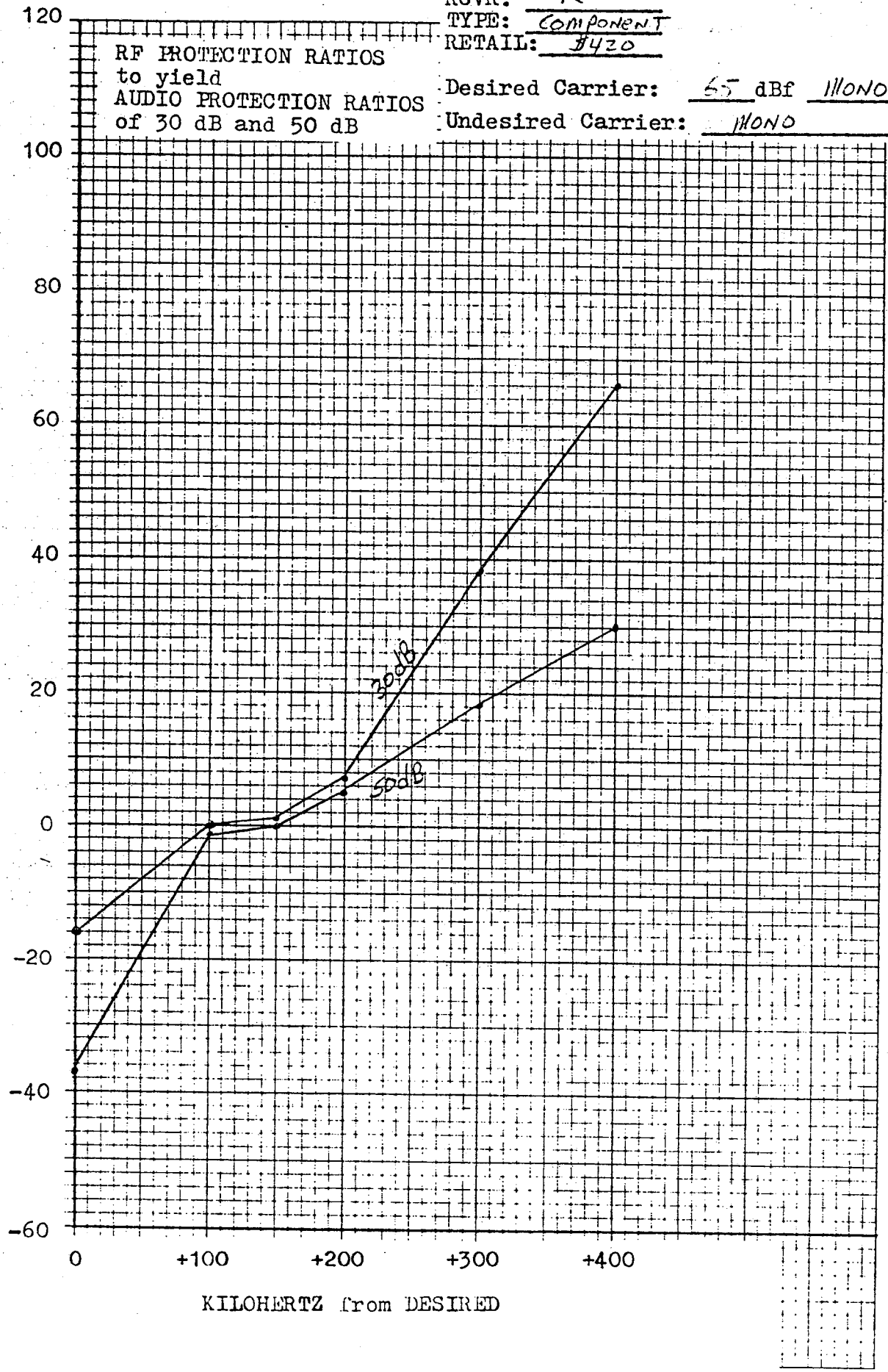


RCVR: R
TYPE: COMPONENT
RETAIL: #420

Desired Carrier: 55 dB MONO
Undesired Carrier: MONO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)

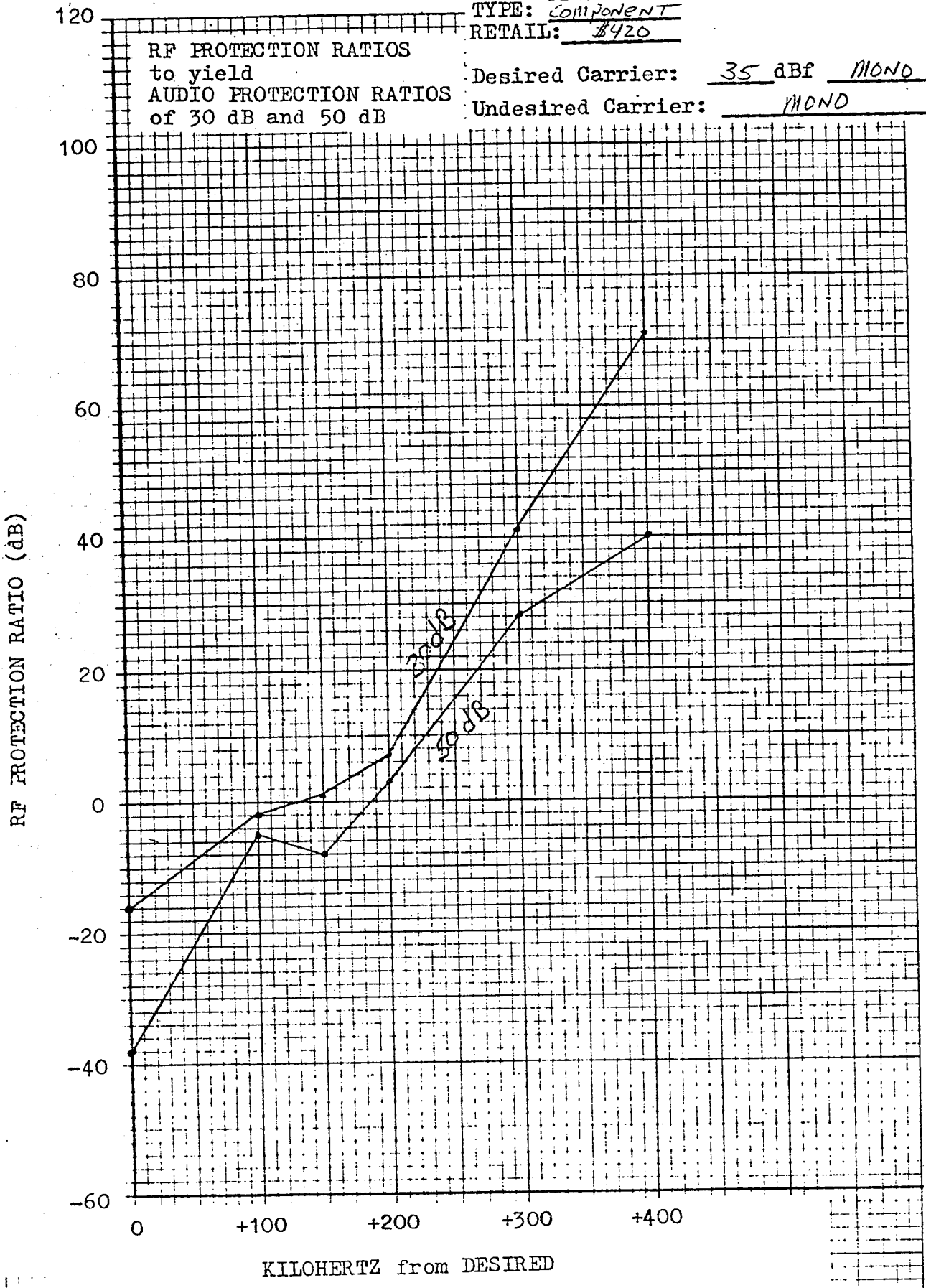


KILOHERTZ from DESIRED

RCVR: K
TYPE: COMPONENT
RETAIL: #420

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dB MONO
Undesired Carrier: MONO

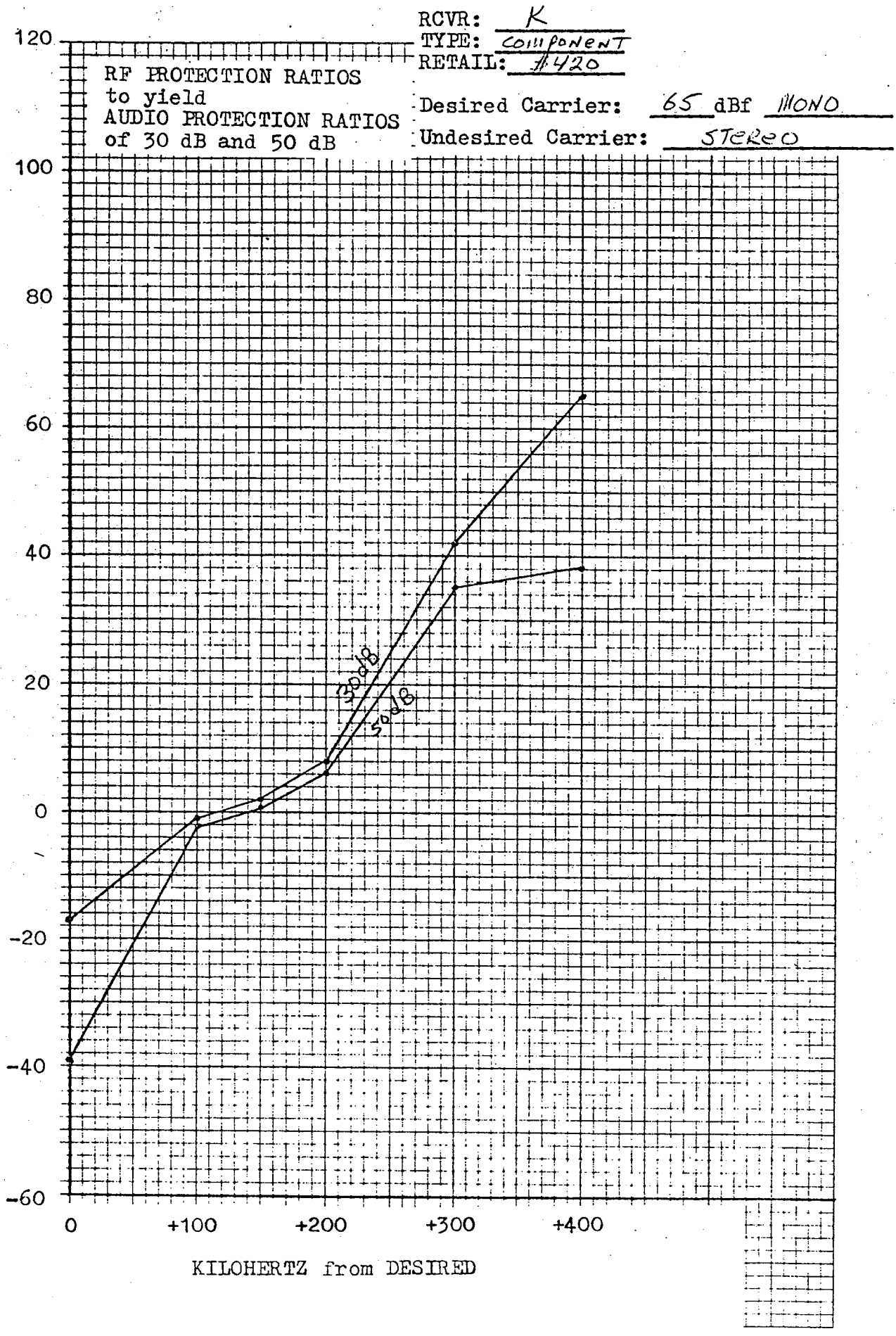


RF PROTECTION RATIO (dB)

KILOHERTZ from DESIRED



62

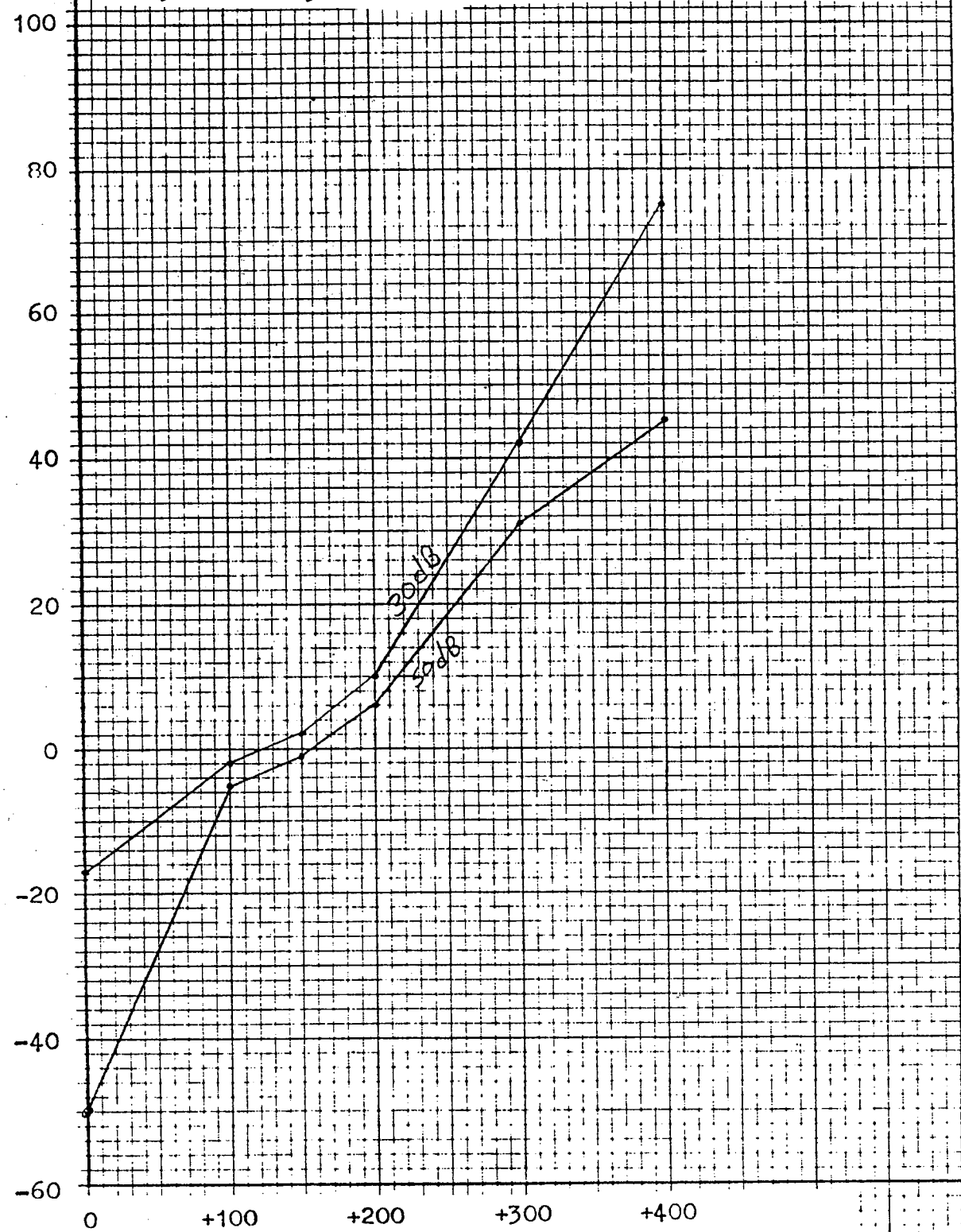


RCVR: K
TYPE: COMPONENT
RETAIL: #420

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf MONO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



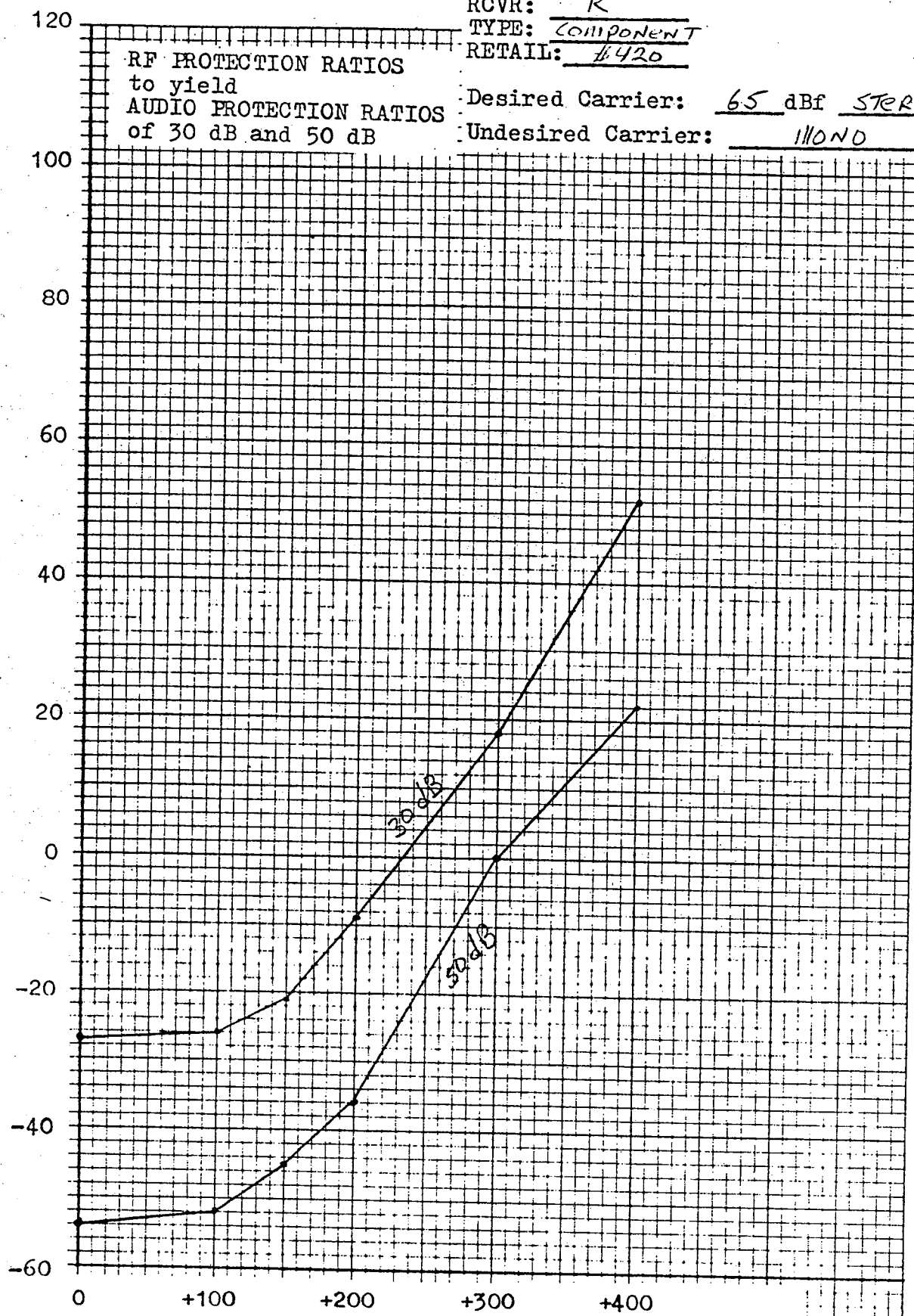
KILOHERTZ from DESIRED

RCVR: K
TYPE: COMPONENT
RETAIL: 1420

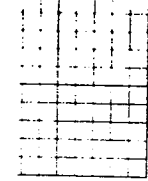
Desired Carrier: 65 dBf STEREO
Undesired Carrier: MONO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

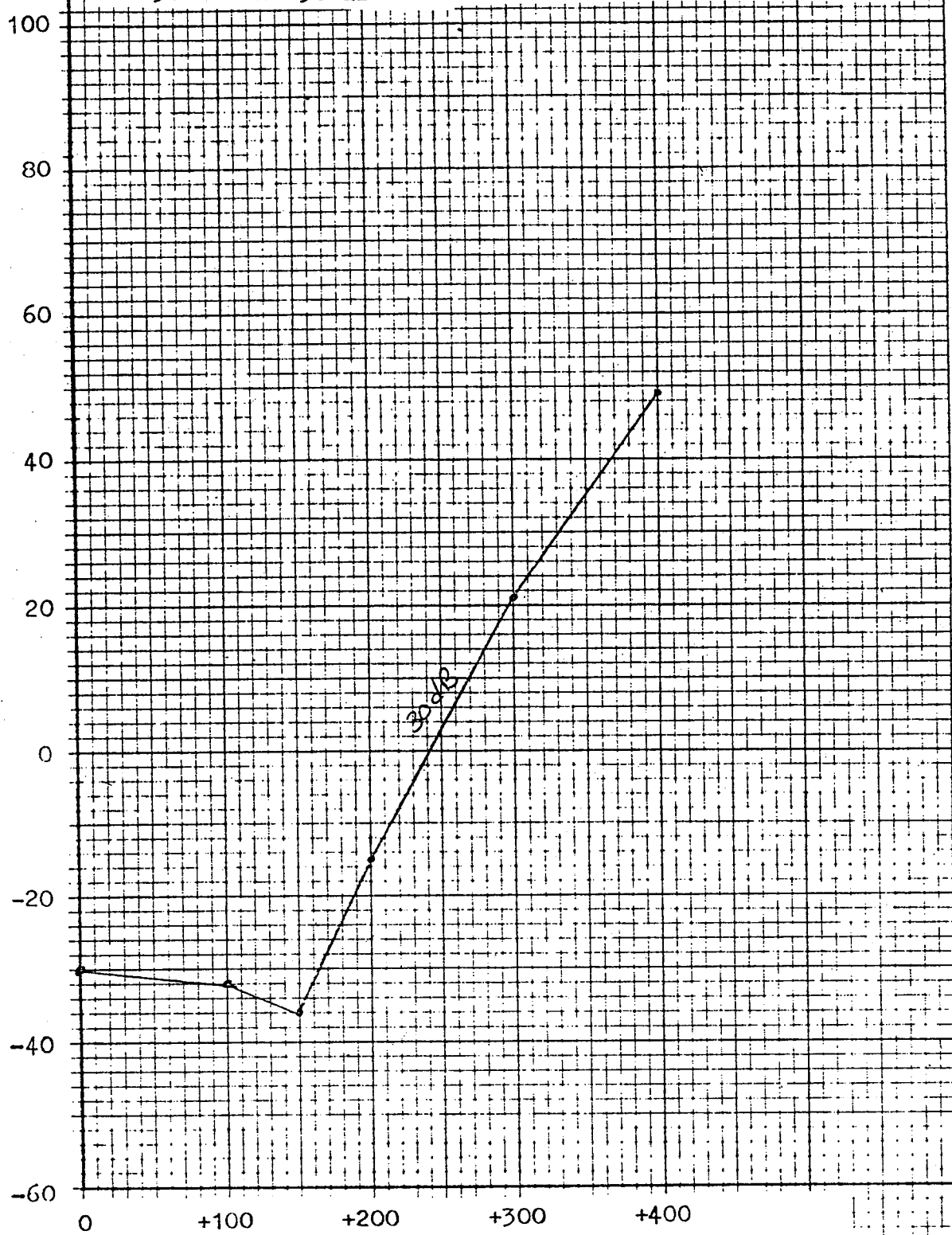


RCVR: K
TYPE: COMPONENT
RETAIL: #420

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dB Stereo
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



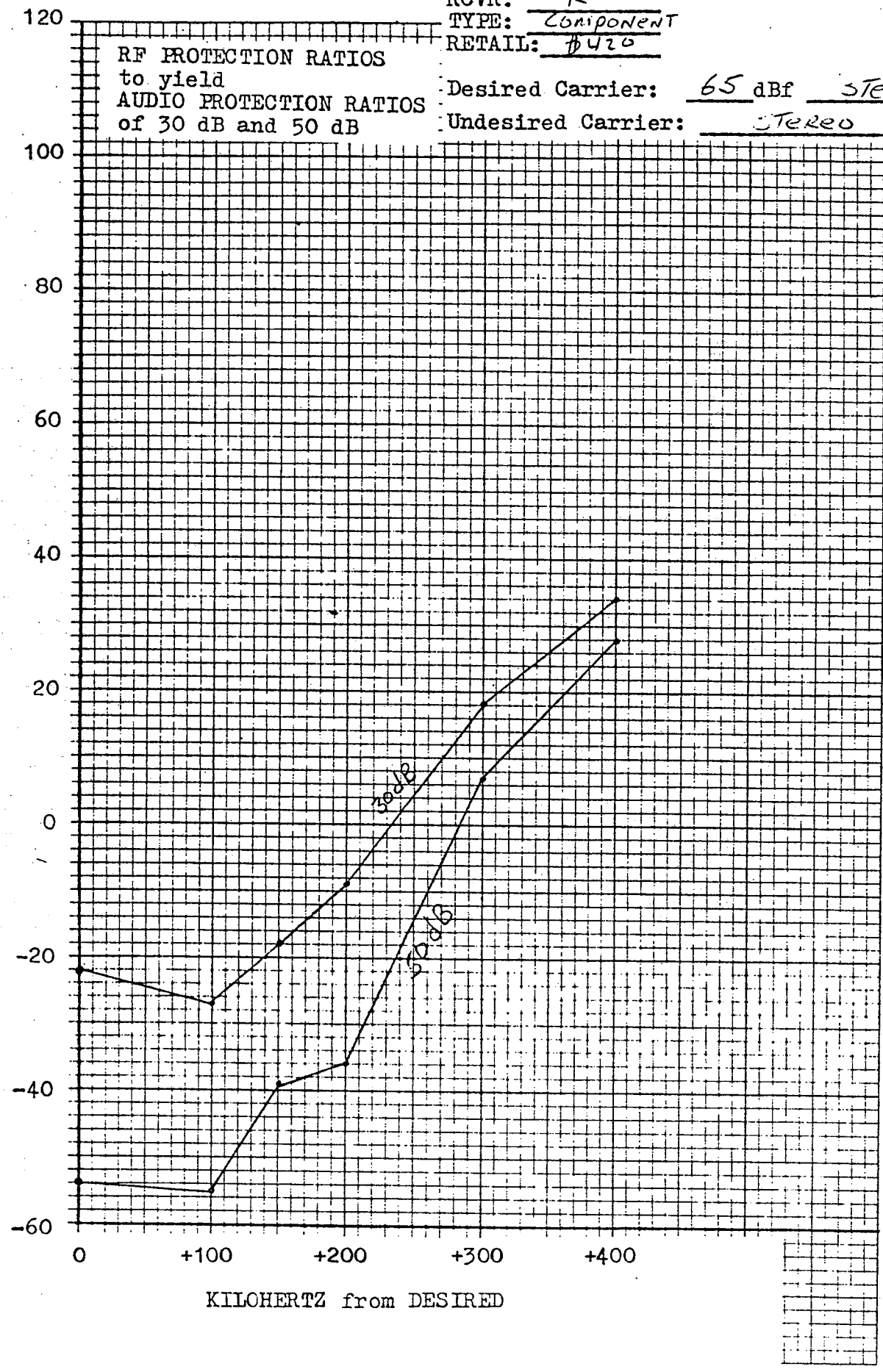
166

RCVR: R
TYPE: COMPONENT
RETAIL: #420

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dB STEREO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



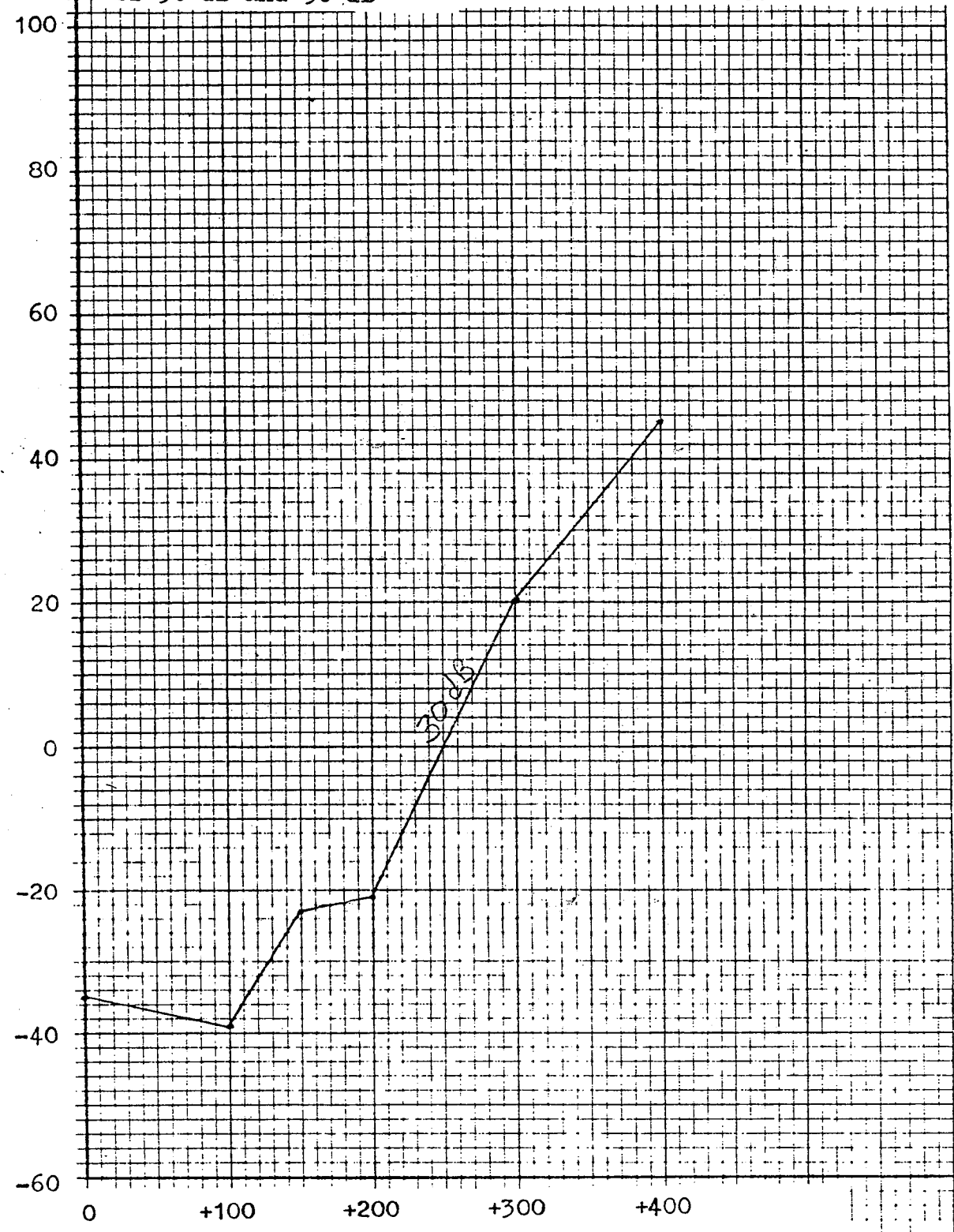
KILOHERTZ from DESIRED

RCVR: K
TYPE: Component
RETAIL: #420

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

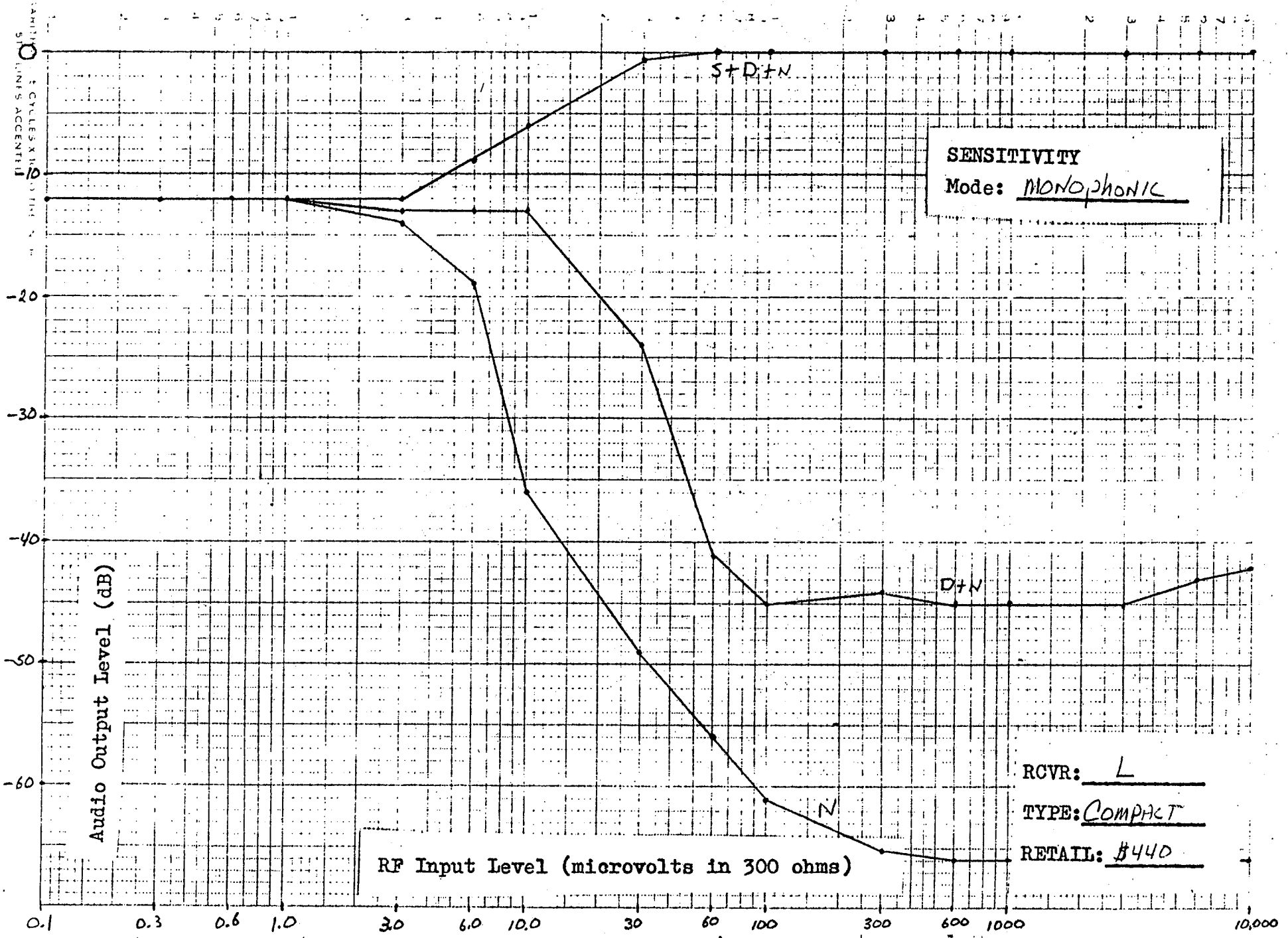
Desired Carrier: 35 dBf STEREO
Undesired Carrier: STEREO

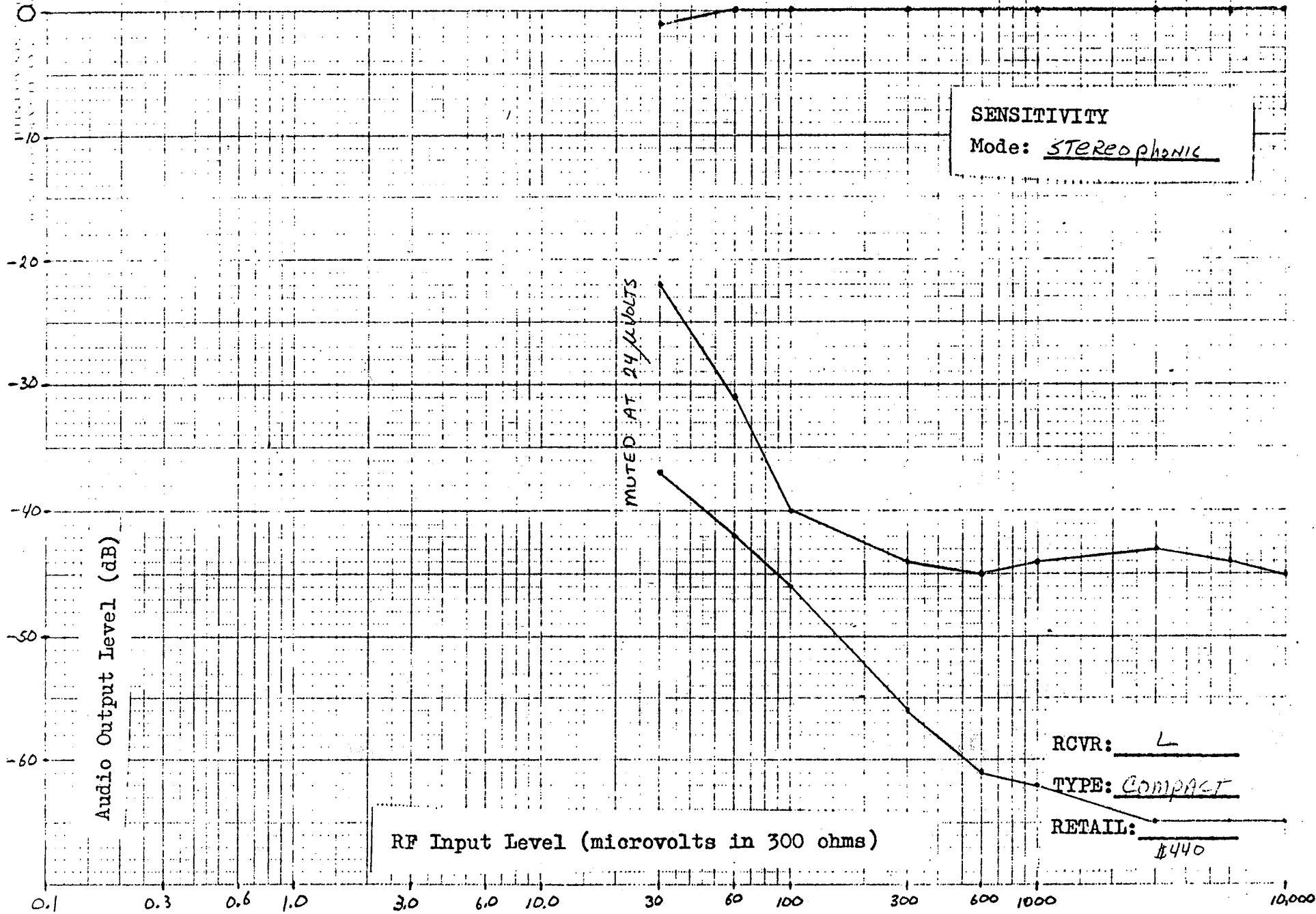
RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

RECEIVER	"L"
TYPE	Component
RETAIL	\$440



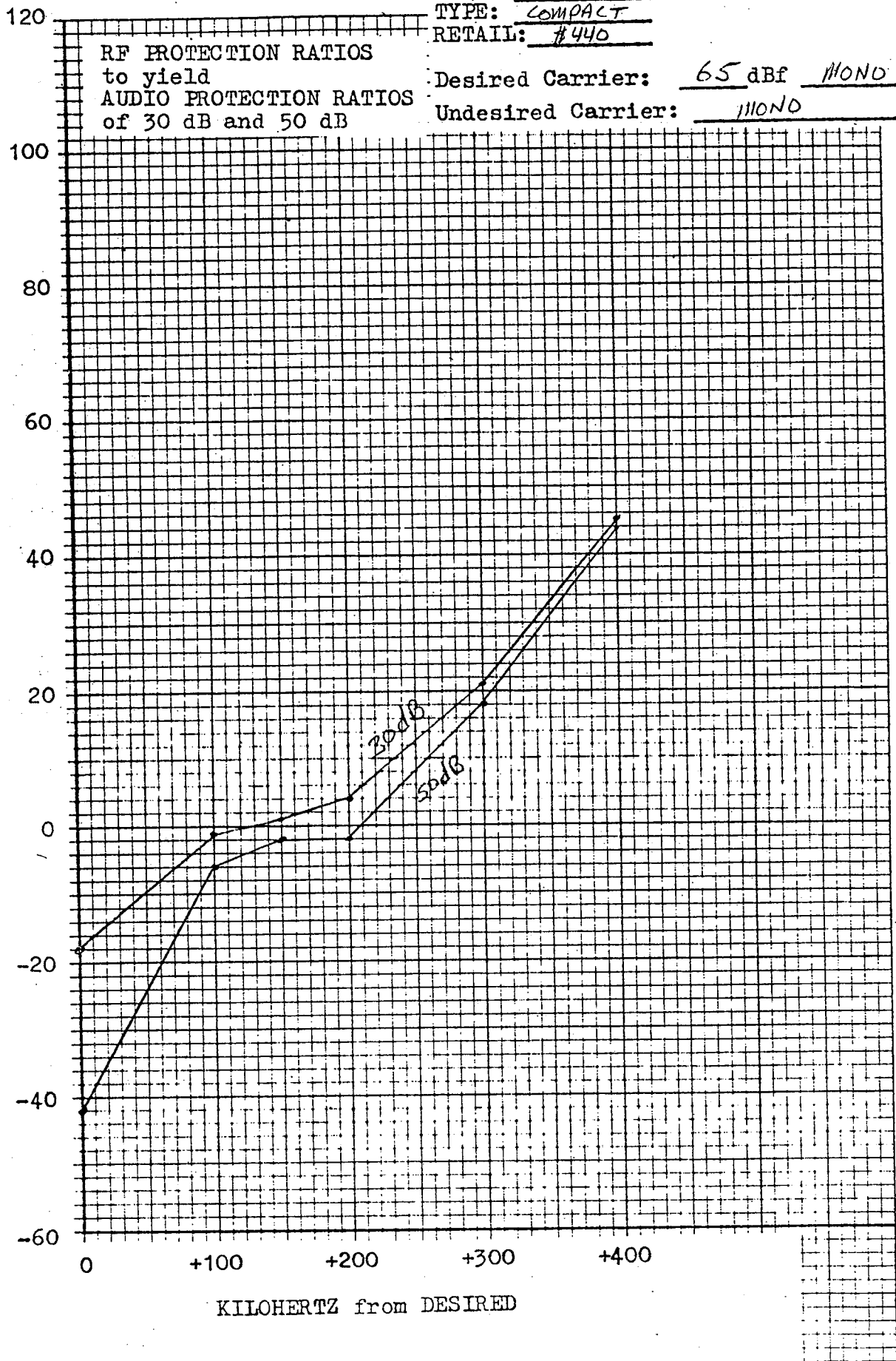


11

RCVR: L
TYPE: COMPACT
RETAIL: #440

Desired Carrier: 65 dB MONO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

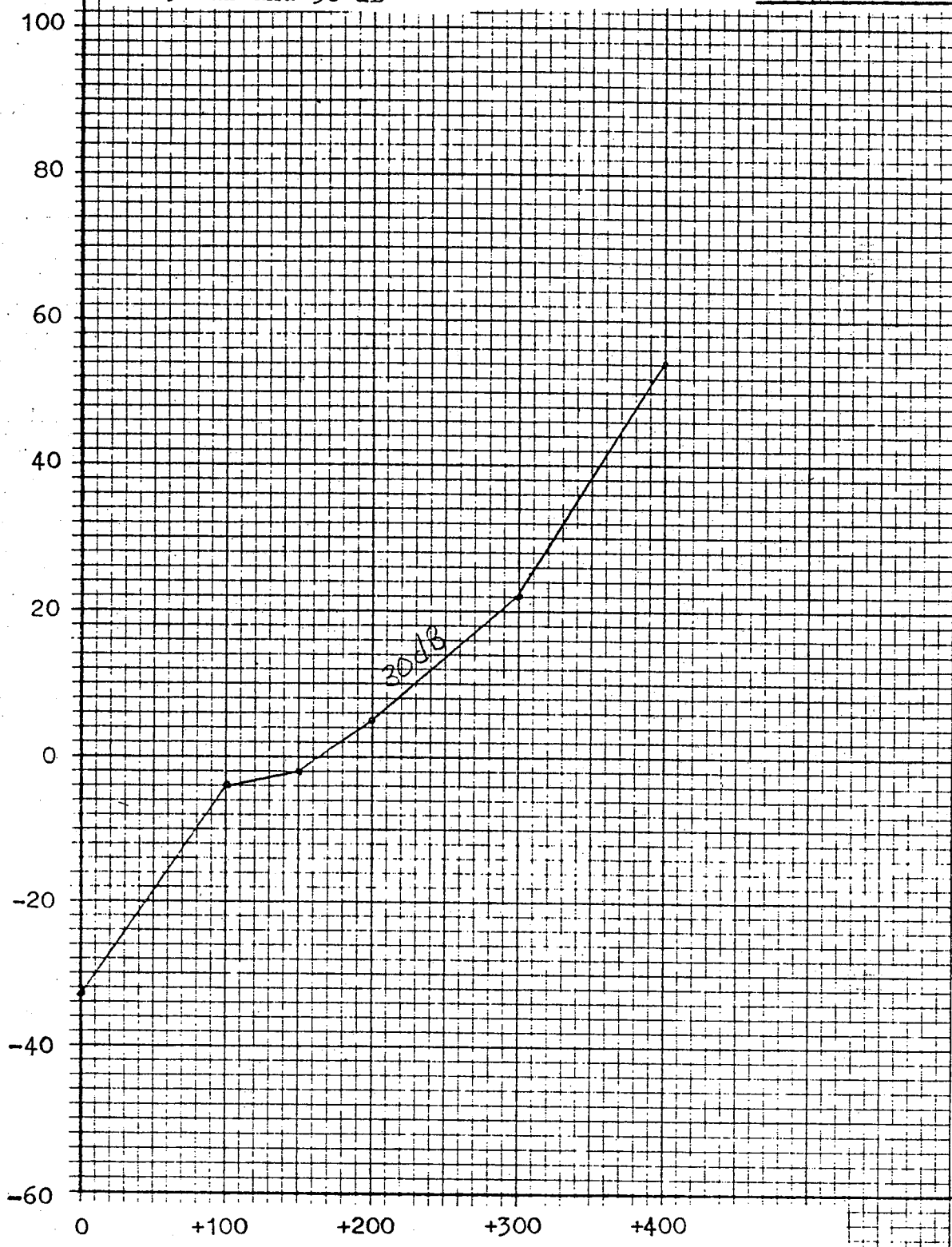


RCVR: L
TYPE: COMPACT
RETAIL: #440

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf MONO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

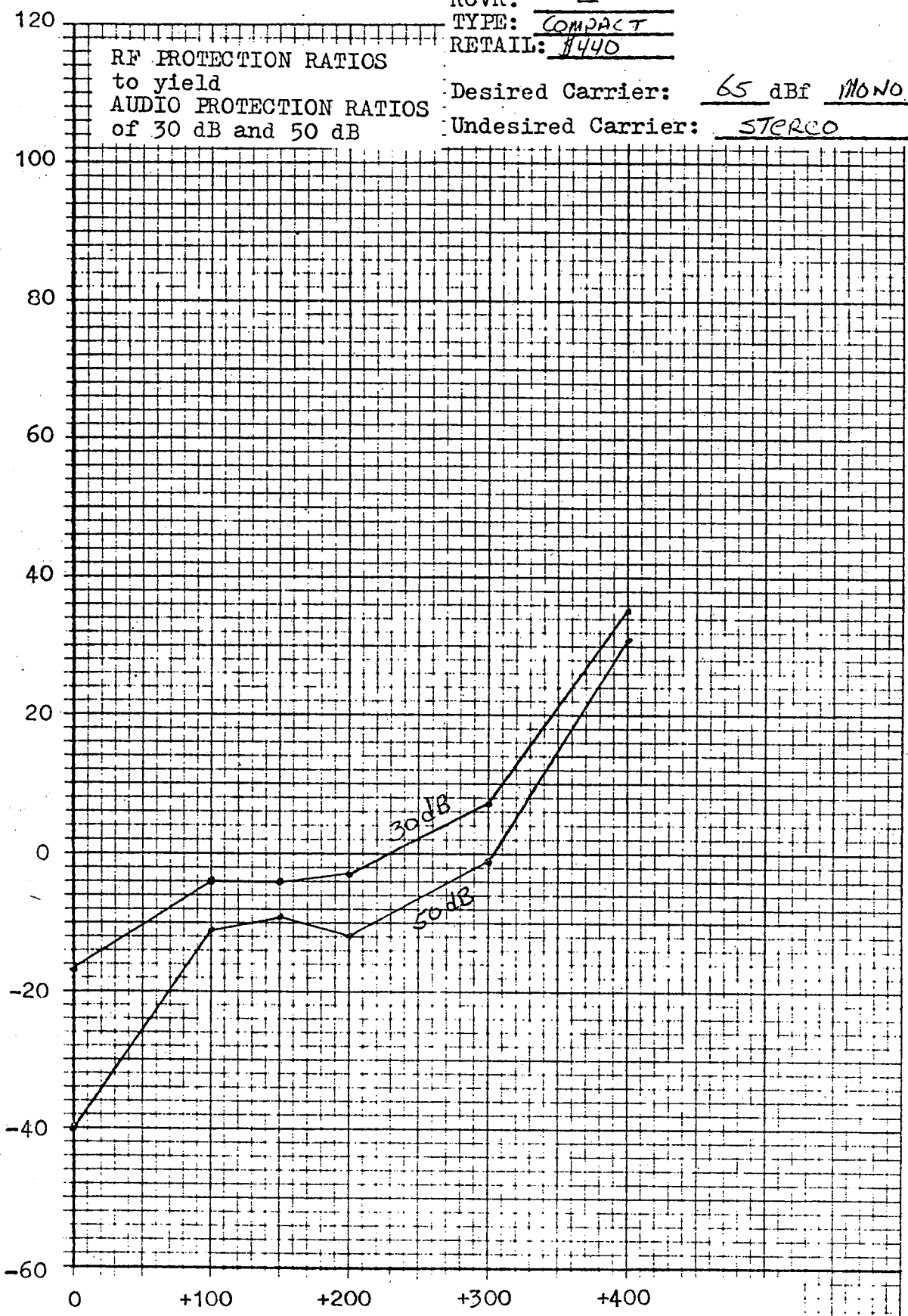
30dB

RCVR: L
TYPE: COMPACT
RETAIL: #440

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dB MONO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



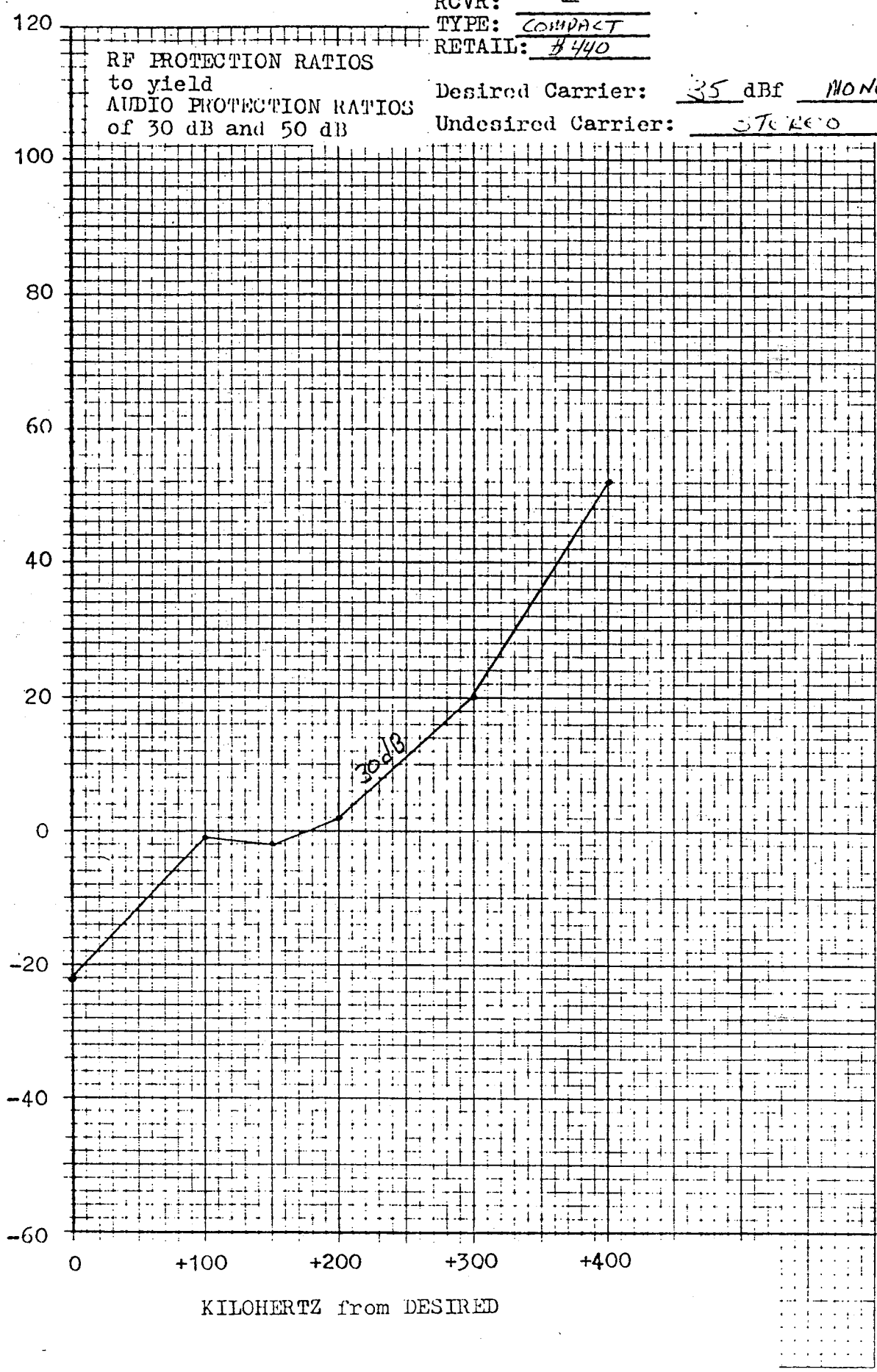
KILOHERTZ from DESIRED

RCVR: L
TYPE: COMPACT
RETAIL: #440

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf MONO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



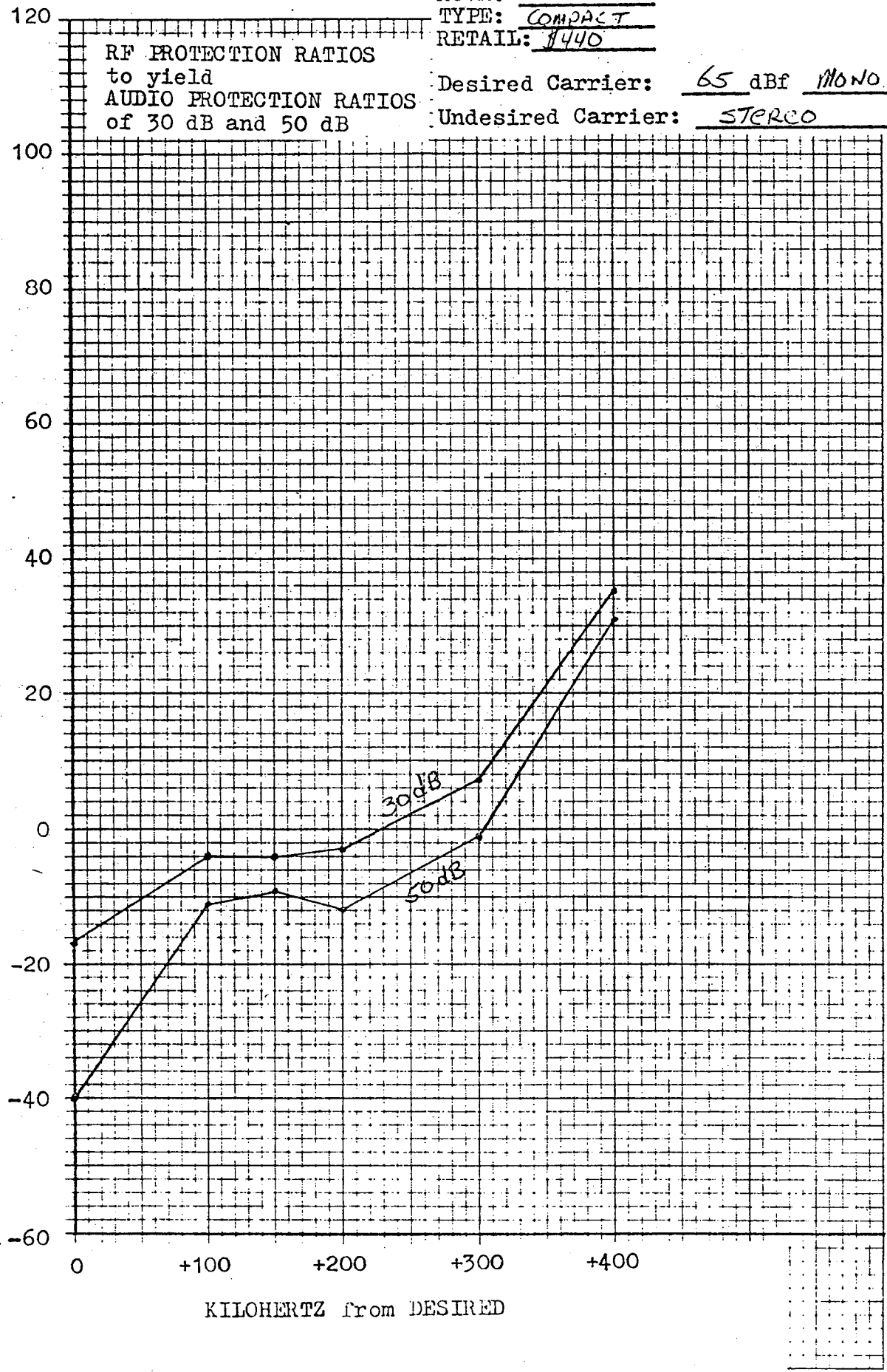
KILOHERTZ from DESIRED

RCVR: L
TYPE: COMPACT
RETAIL: 1440

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf MONO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



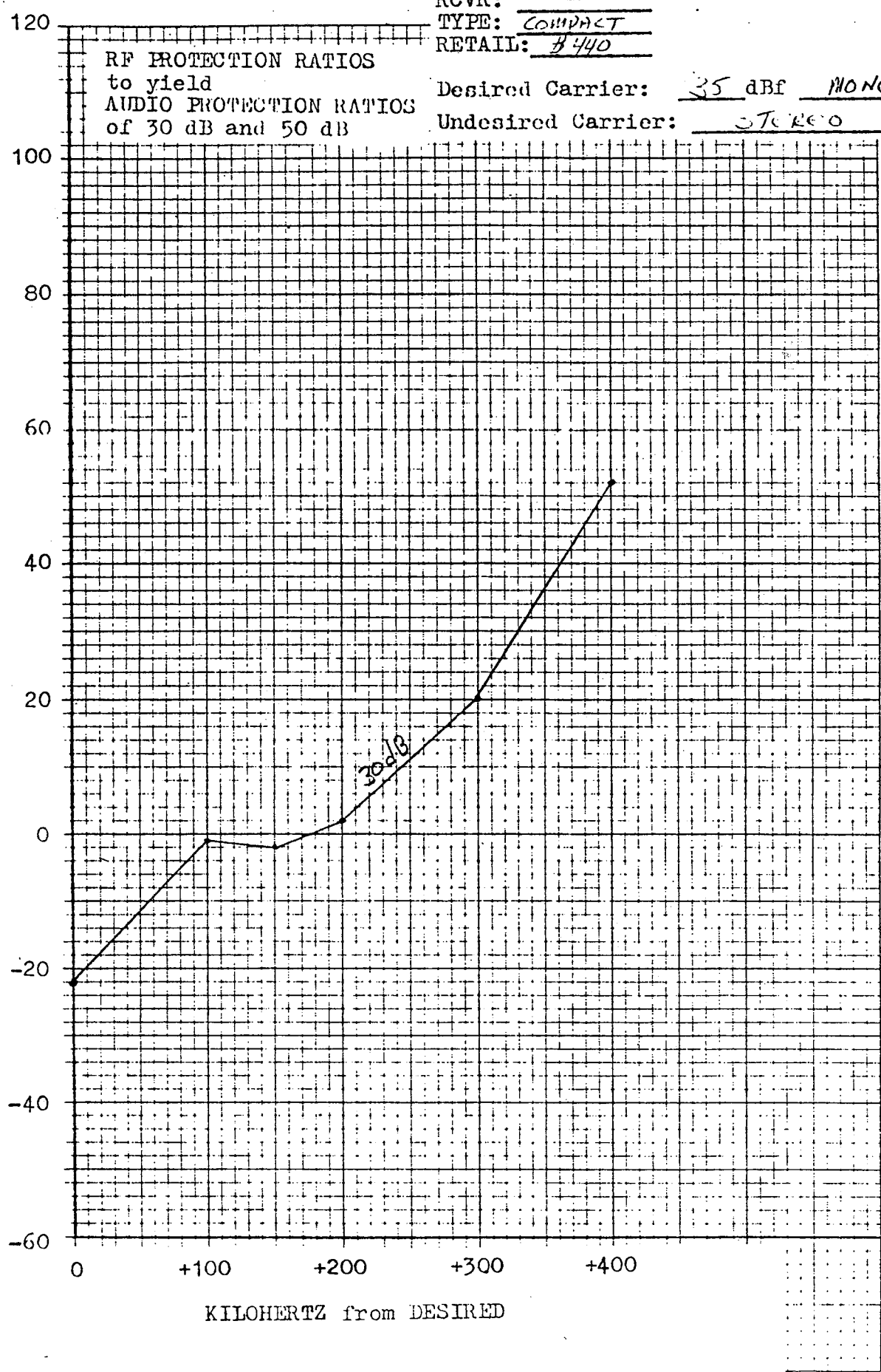
KILOHERTZ from DESIRED

RCVR: L
TYPE: COMPACT
RETAIL: B440

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dB MONO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



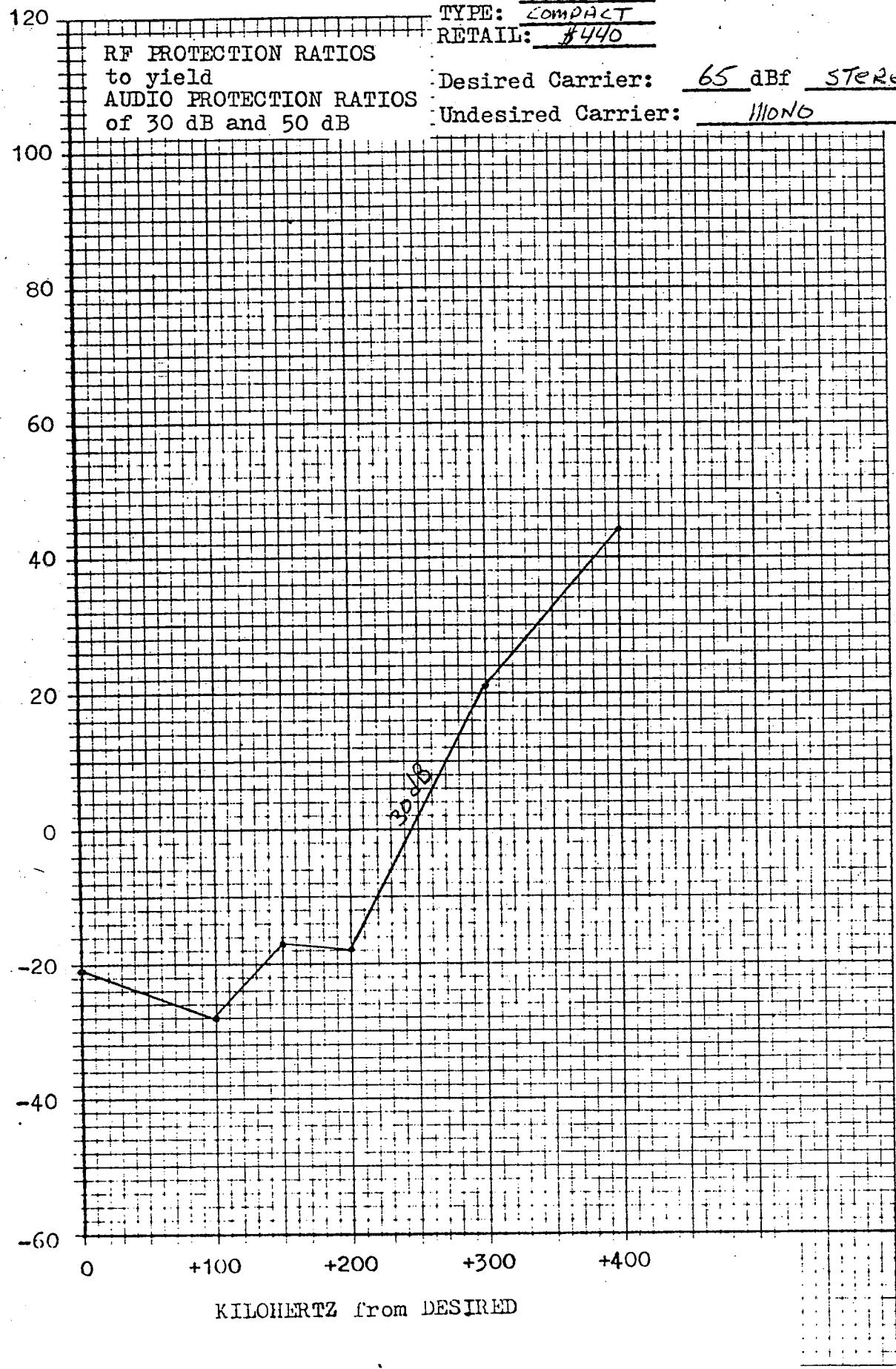
KILOHERTZ from DESIRED

7.

RCVR: L
TYPE: COMPACT
RETAIL: \$440

Desired Carrier: 65 dBf Stereo
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



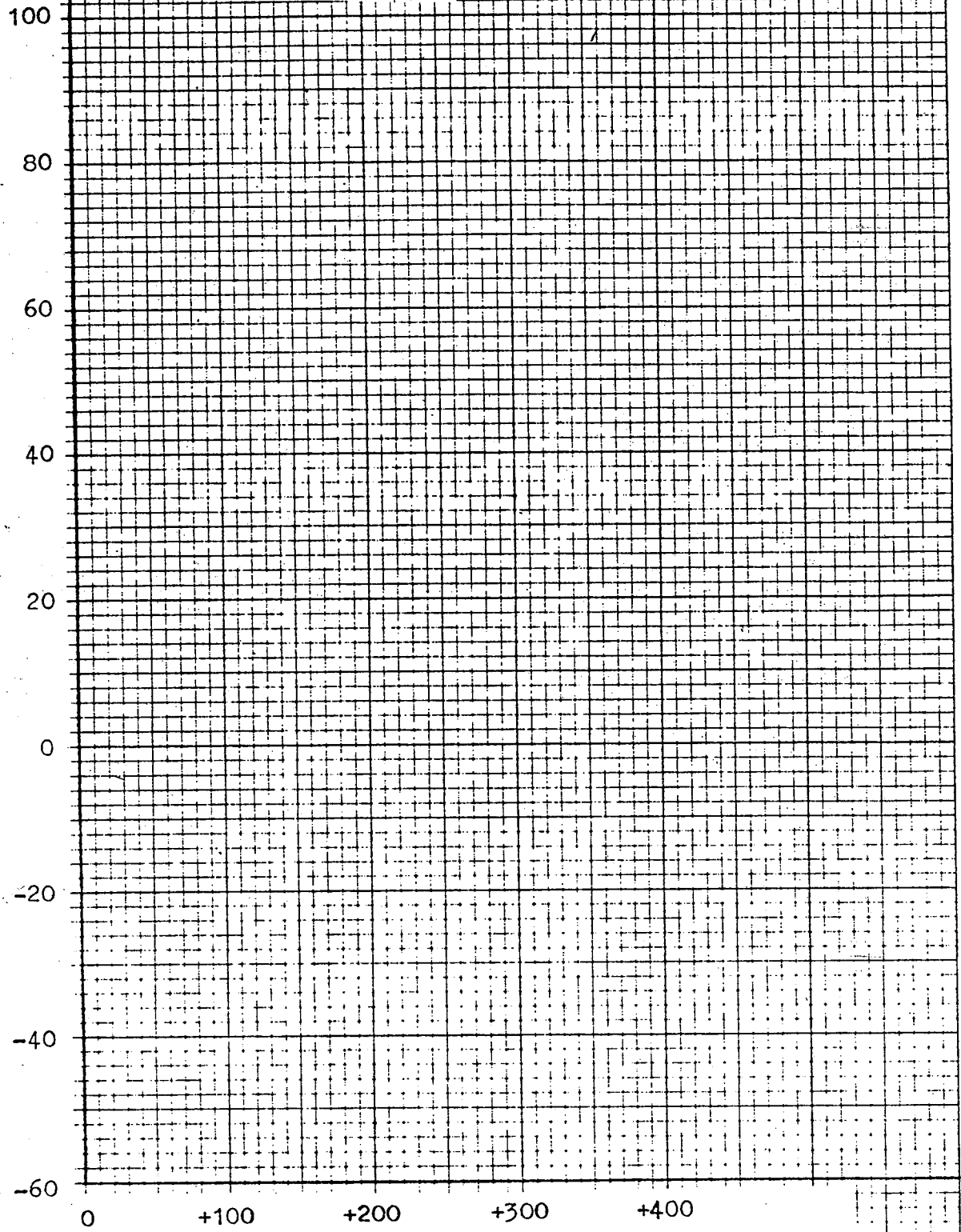
KILOHERTZ from DESIRED

RCVR: L
TYPE: COMPACT
RETAIL: \$440

Desired Carrier: 35 dBf STEREO
Undesired Carrier: MONO

120
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



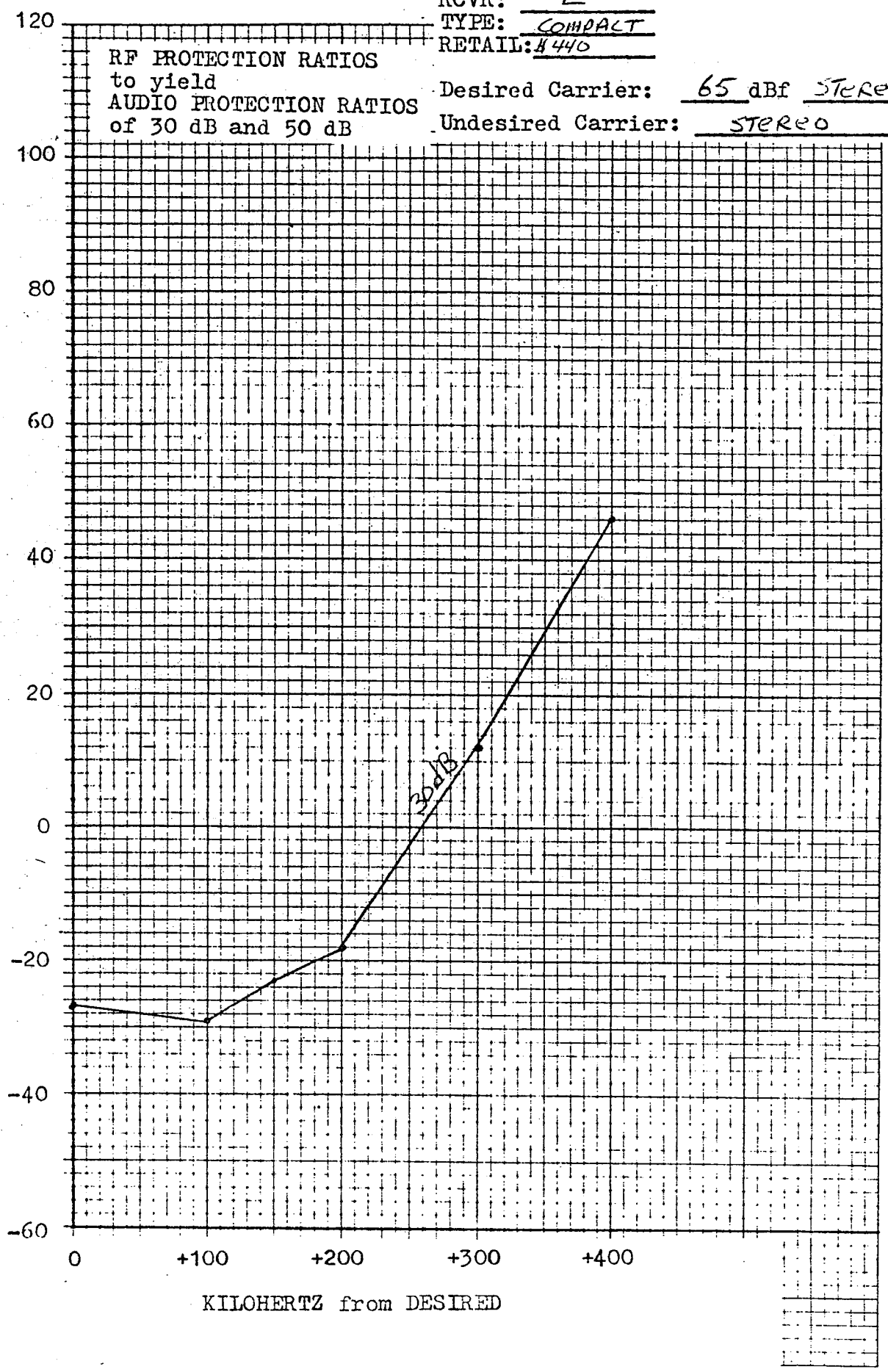
KILOHERTZ from DESIRED

RCVR: L
TYPE: COMPACT
RETAIL: 440

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf Stereo
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



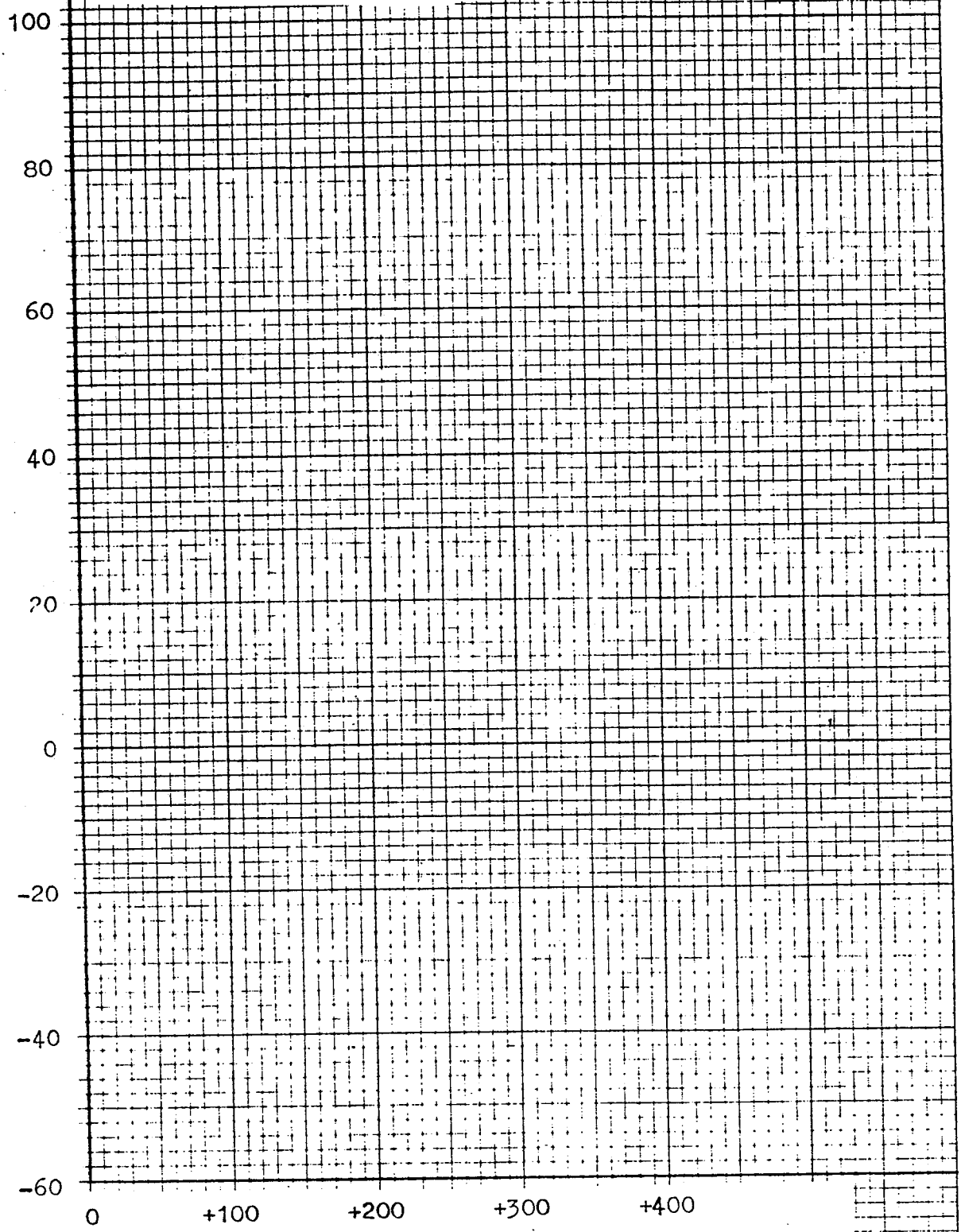
KILOHERTZ from DESIRED

RCVR: L
TYPE: COMPACT
RETAIL: #440

120
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf STEREO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



120

RCVR: L
TYPE: COMPACT
RETAIL: 440

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf STEREO
Undesired Carrier: STEREO

100

80

60

40

20

0

-20

-40

-60

RF PROTECTION RATIO (dB)

0

+100

+200

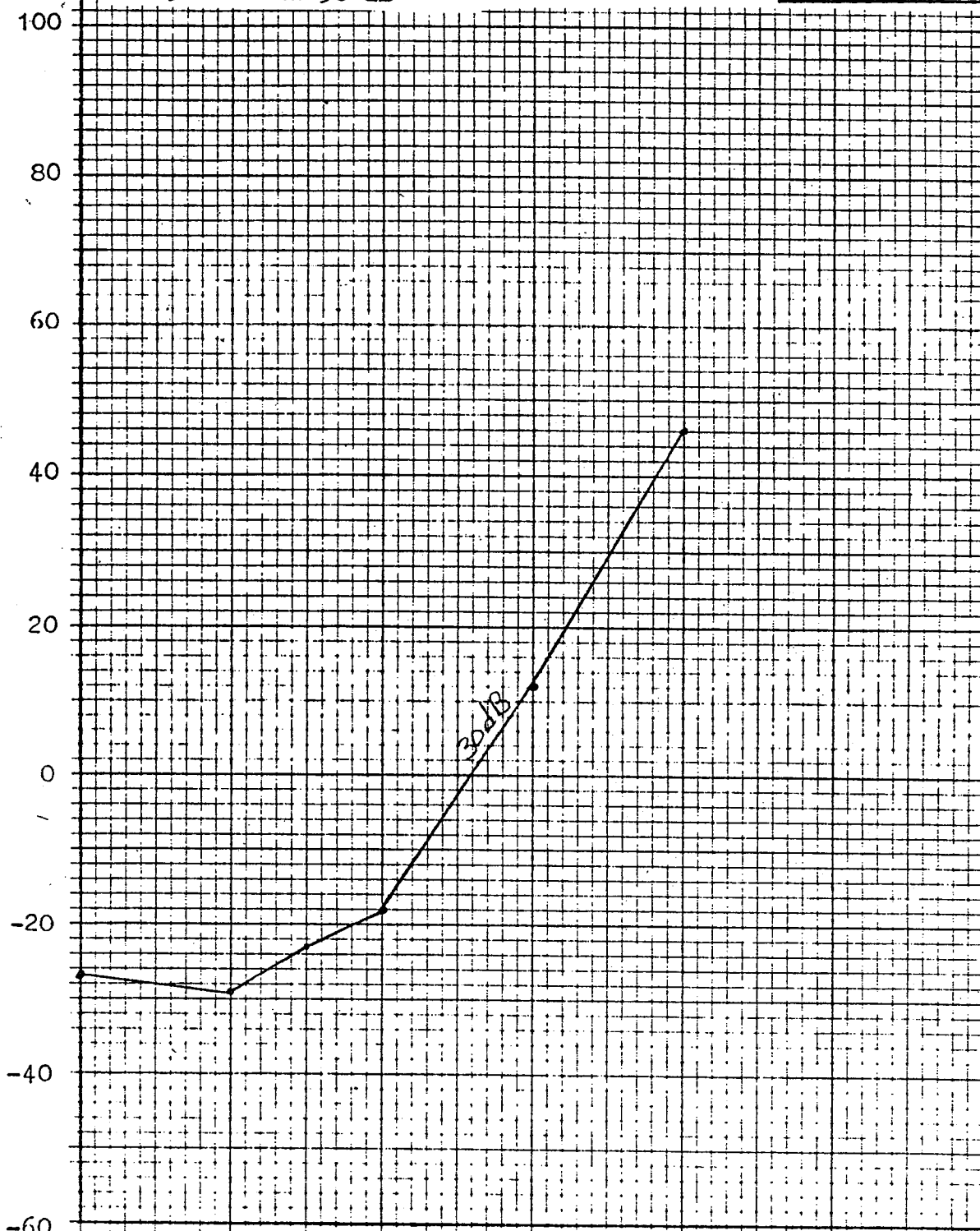
+300

+400

KILOHERTZ from DESIRED



30dB

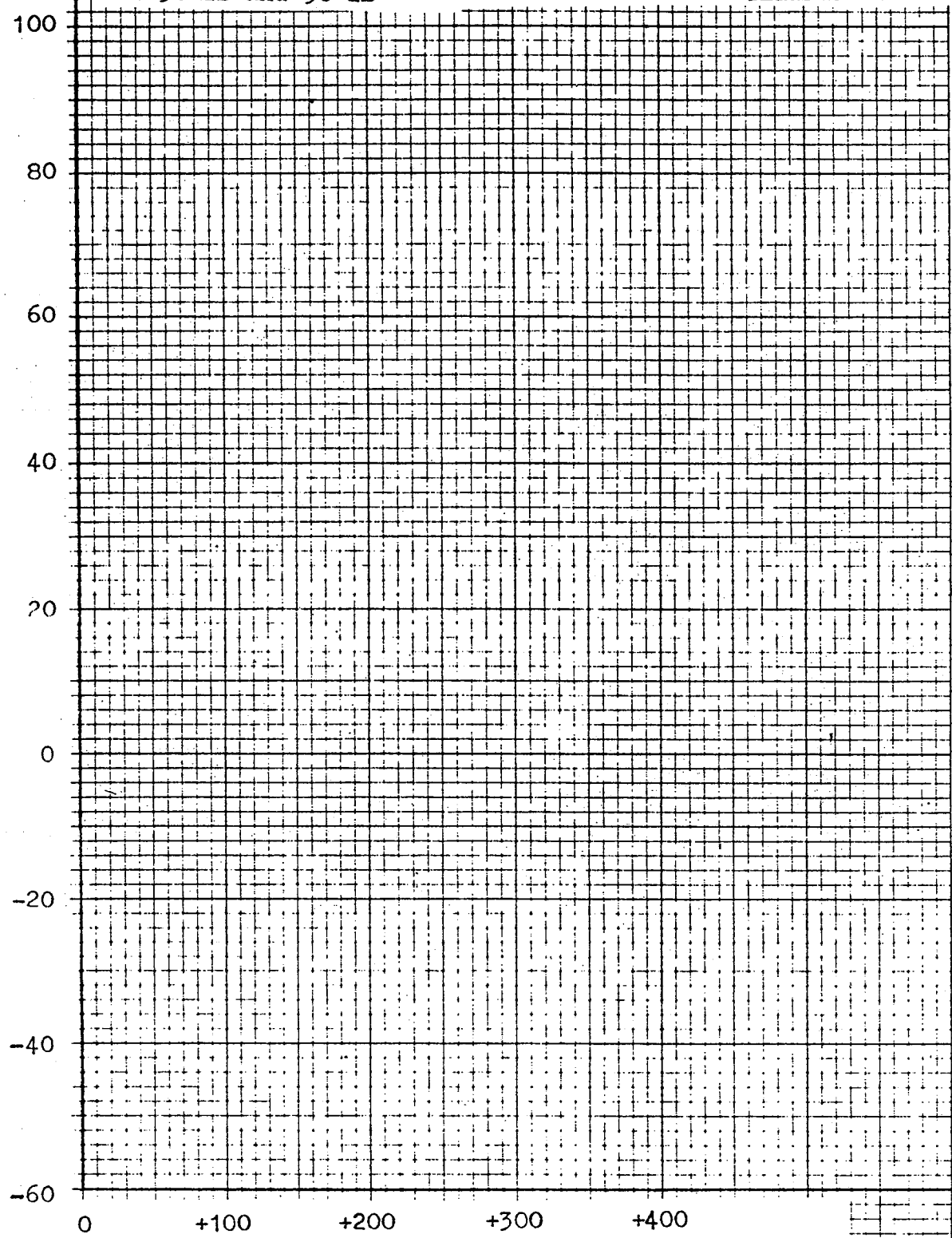


RCVR: L
TYPE: COMPACT
RETAIL: #440

120
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf STEREO
Undesired Carrier: STEREO

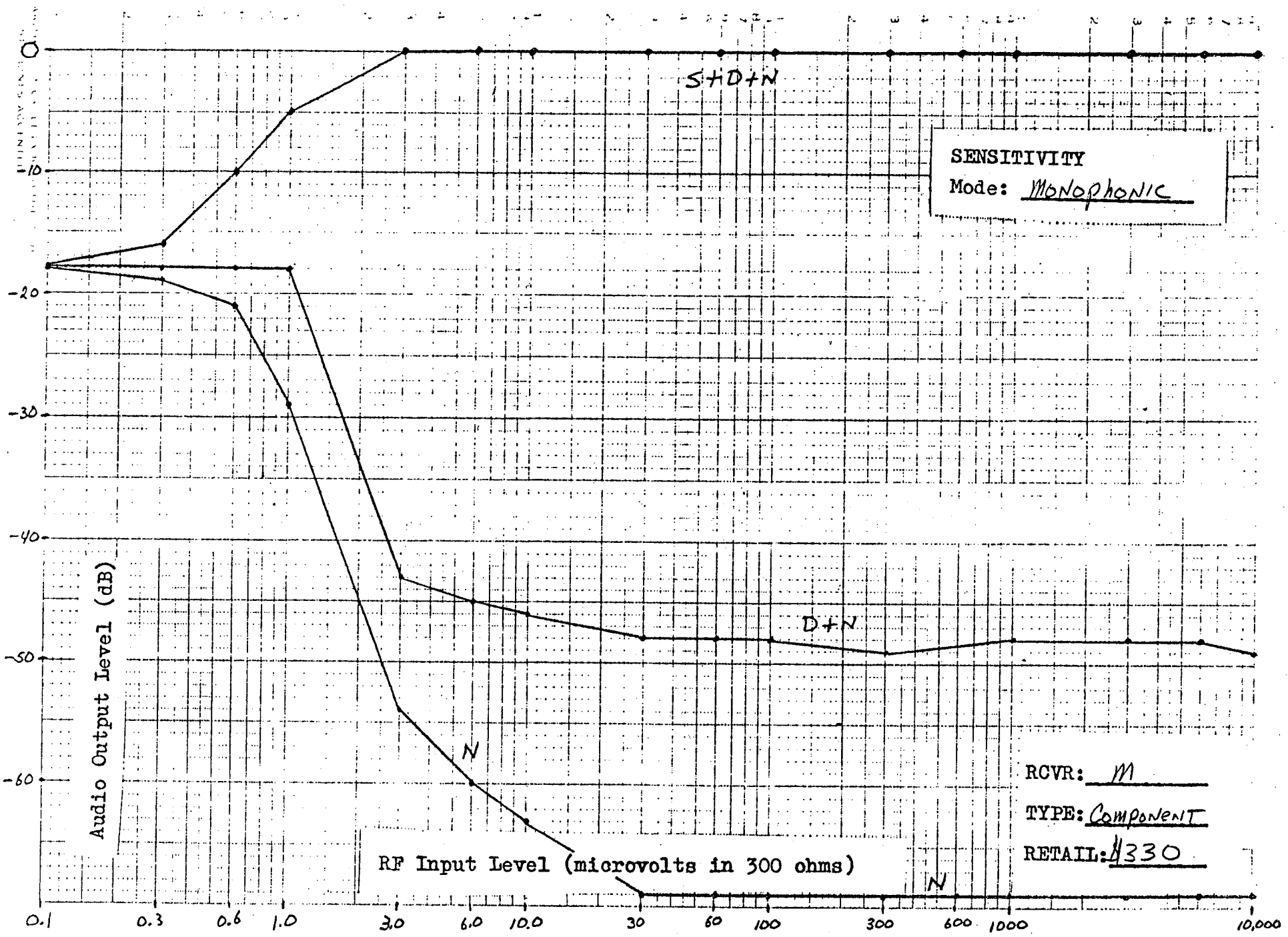
RF PROTECTION RATIO (dB)



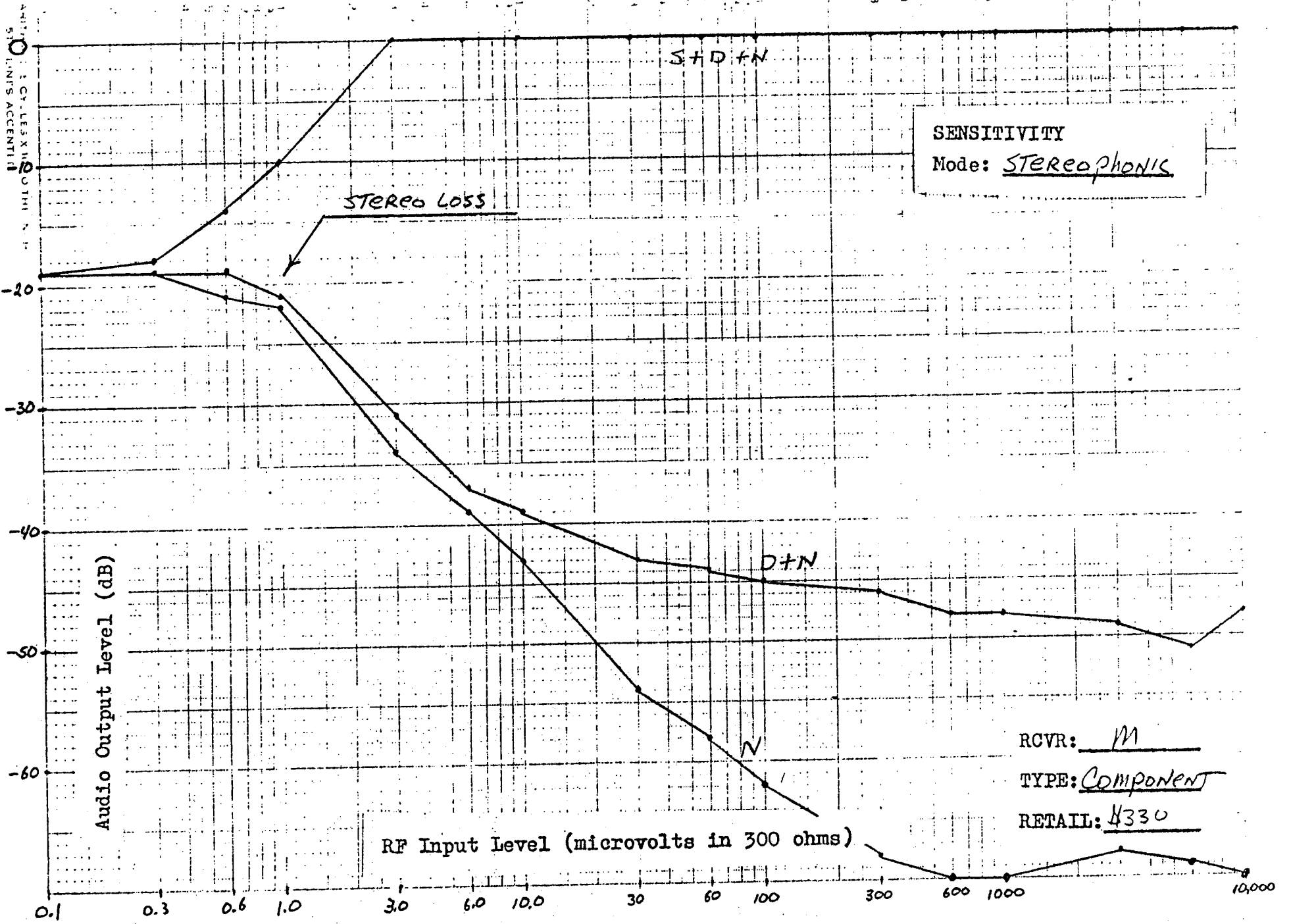
KILOHERTZ from DESIRED



RECEIVER	"M"
TYPE	Component
RETAIL	\$330



781



SENSITIVITY
Mode: STEREOPHONIC

RCVR: M
TYPE: COMPONENT
RETAIL: 4330

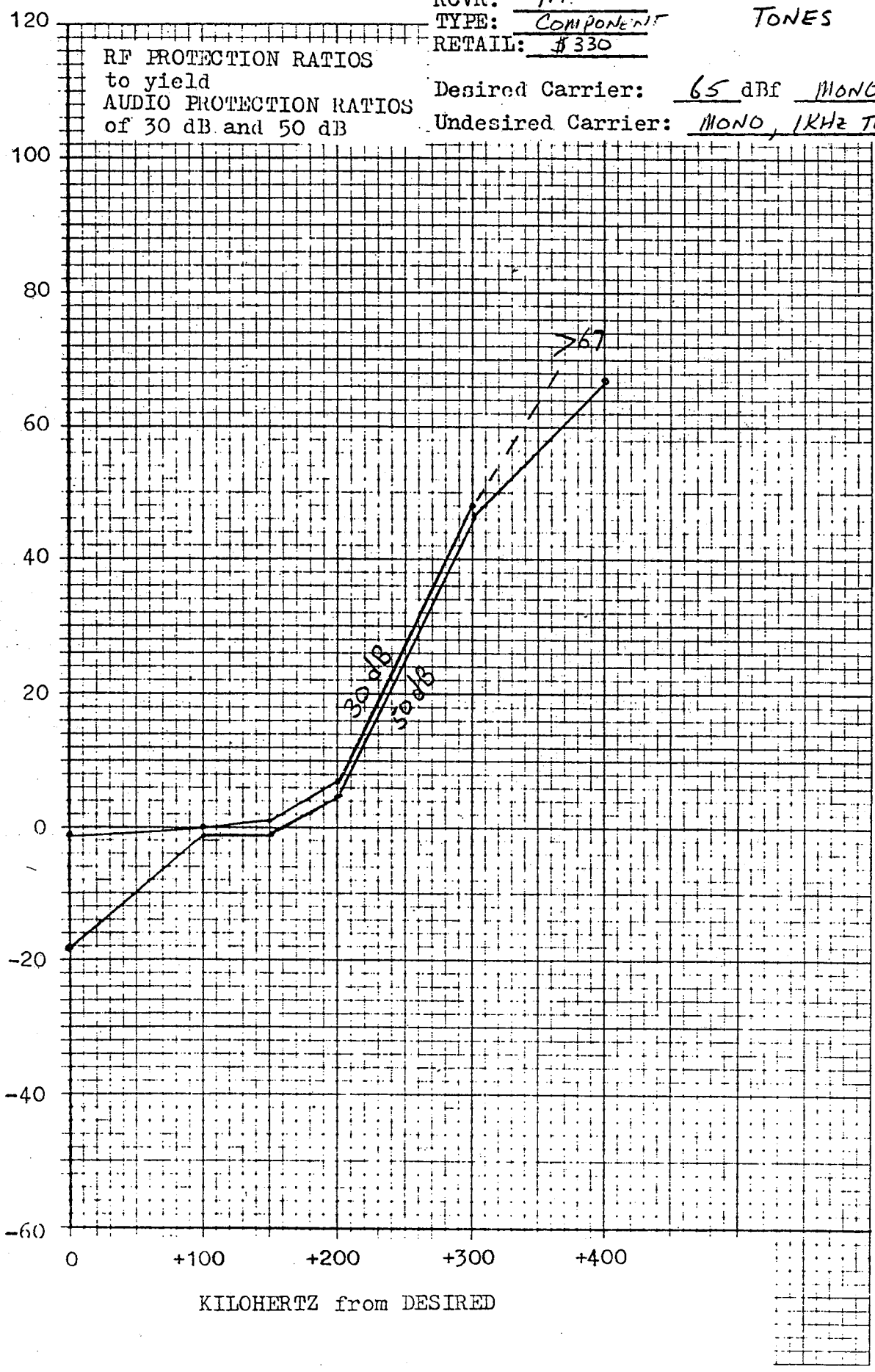
RCVR: M.
TYPE: COMPONENT
RETAIL: \$330

TONES

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf MONO
Undesired Carrier: MONO, 1KHz TONE

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

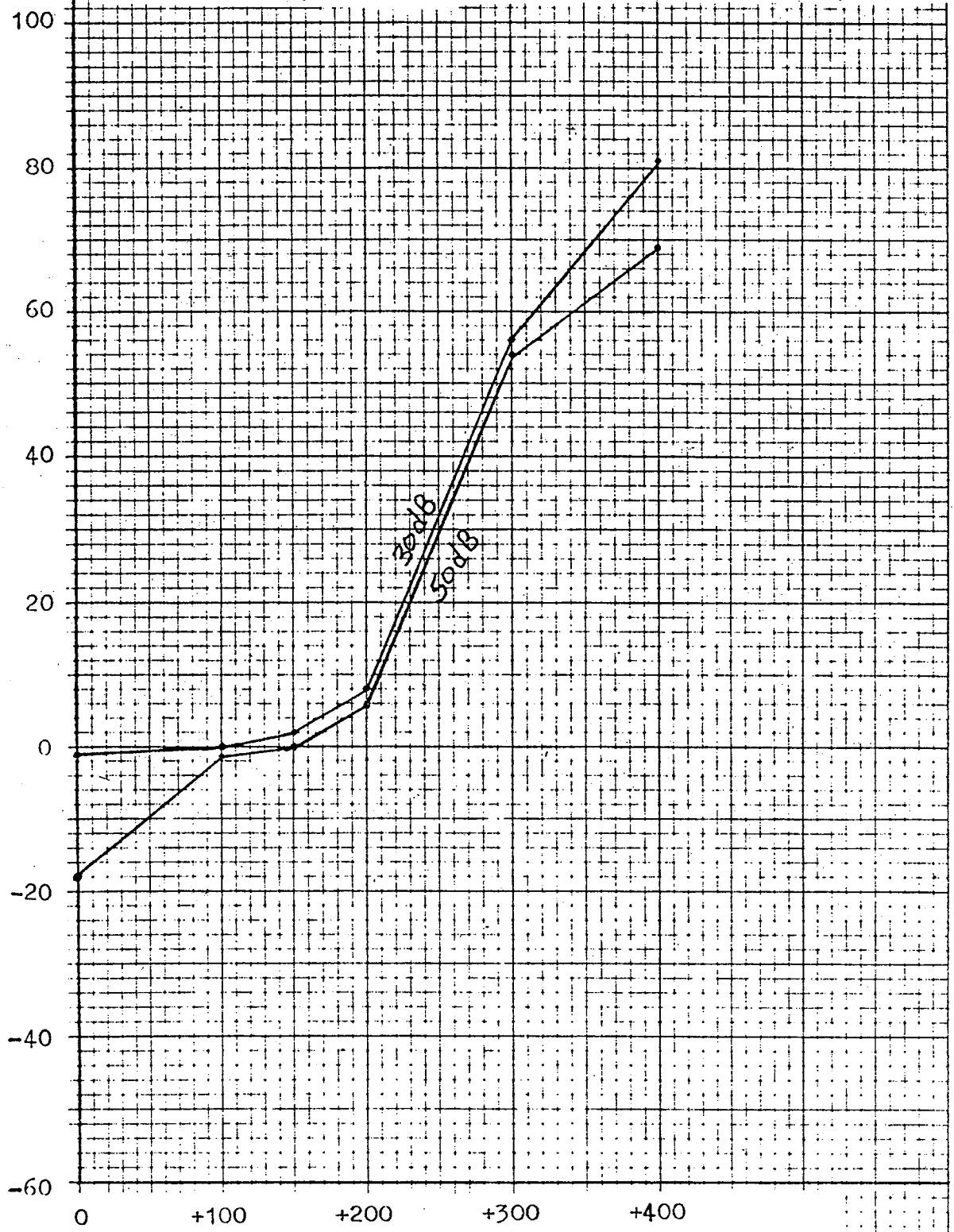
RCVR: M
TYPE: COMPONENT
RETAIL: \$330

TONES

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf MONO
Undesired Carrier: MONO, 1KHz TONES

RF PROTECTION RATIO (dB)

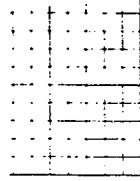
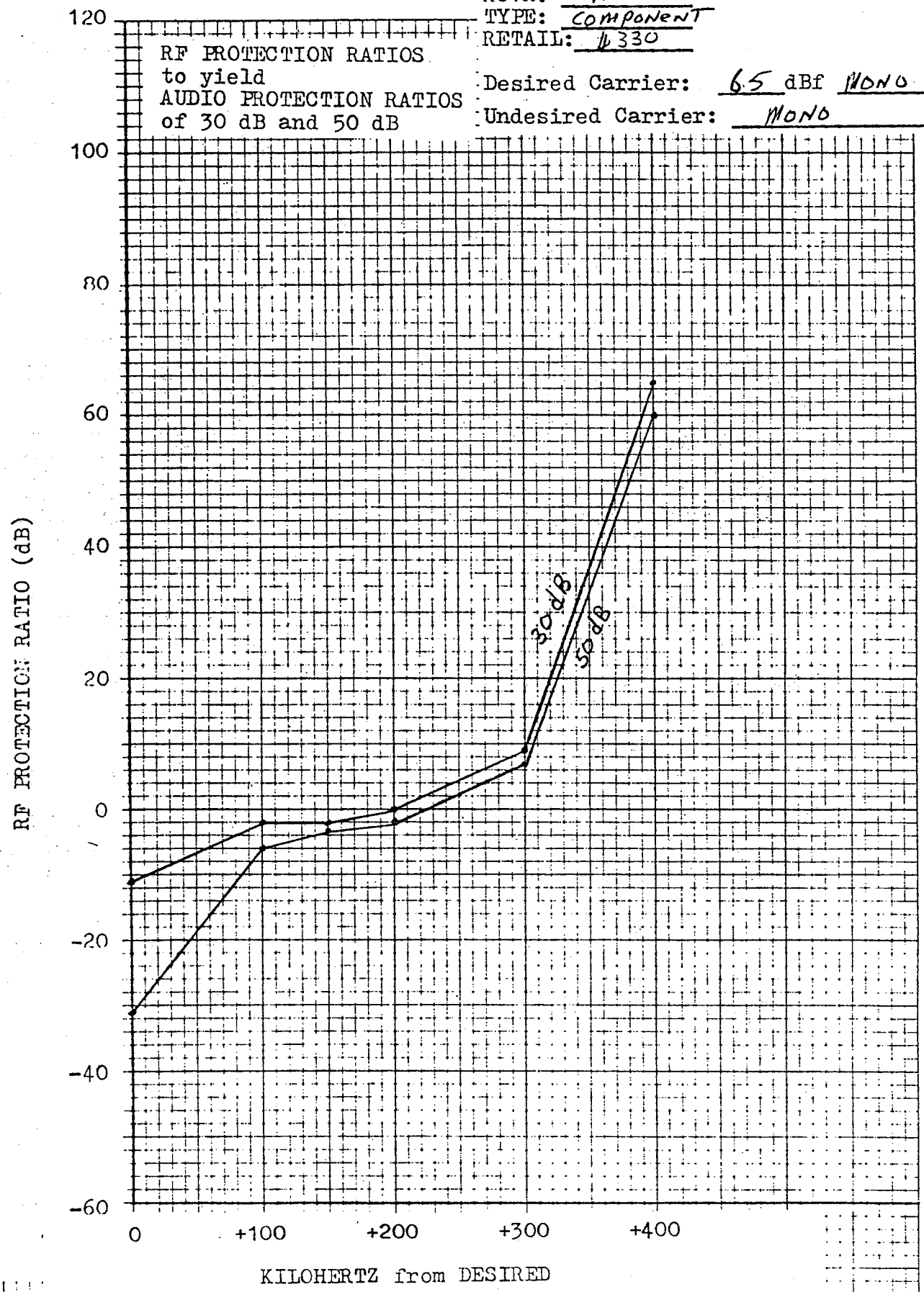


KILOHERTZ from DESIRED



RCVR: M
TYPE: COMPONENT
RETAIL: 4330

Desired Carrier: 6.5 dBf MONO
Undesired Carrier: MONO

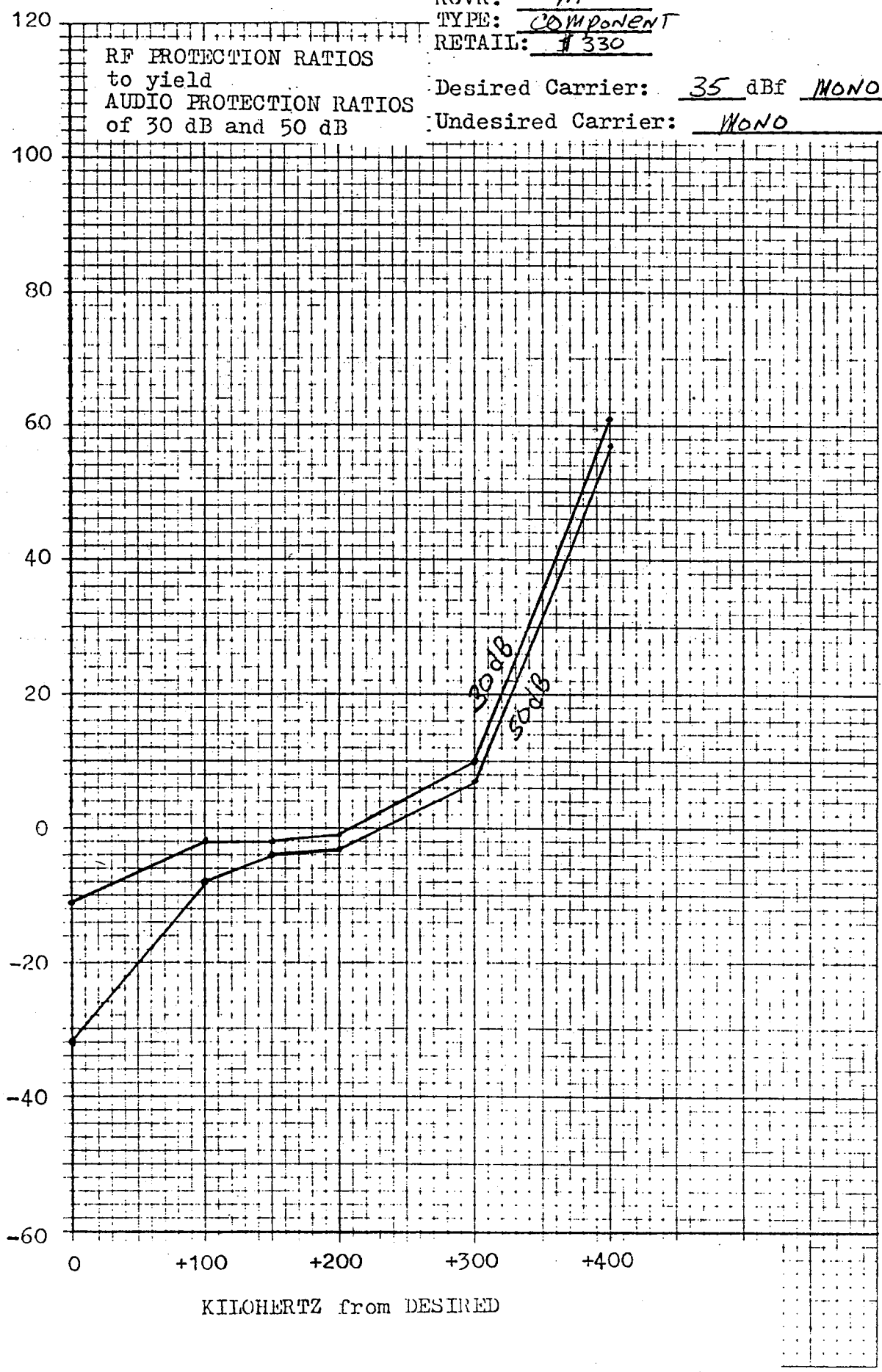


RCVR: M
TYPE: COMPONENT
RETAIL: #330

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dB MONO
Undesired Carrier: MONO

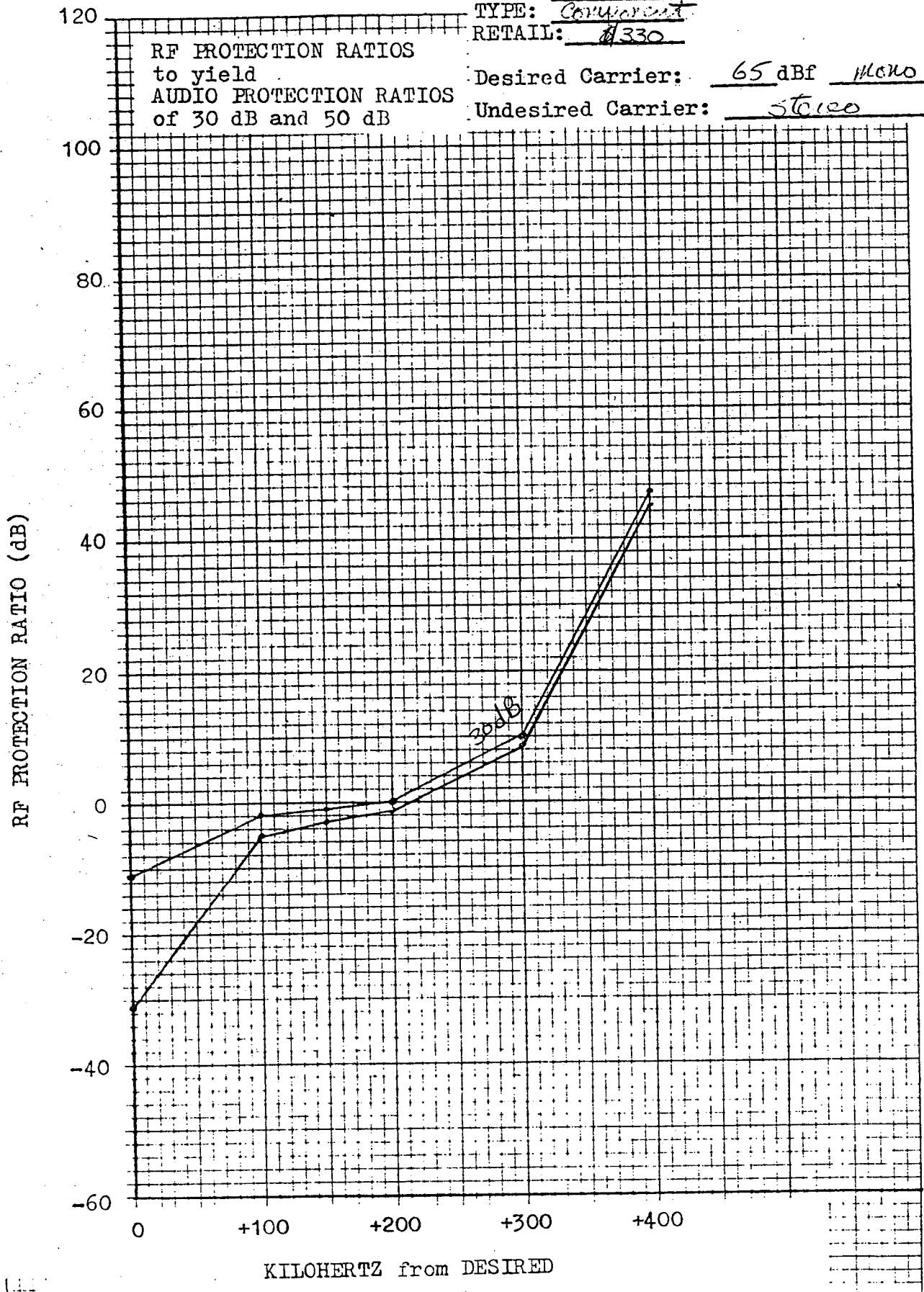
RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

RCVR: M1
TYPE: Component
RETAIL: #330

Desired Carrier: 65 dBf MCWO
Undesired Carrier: 50100

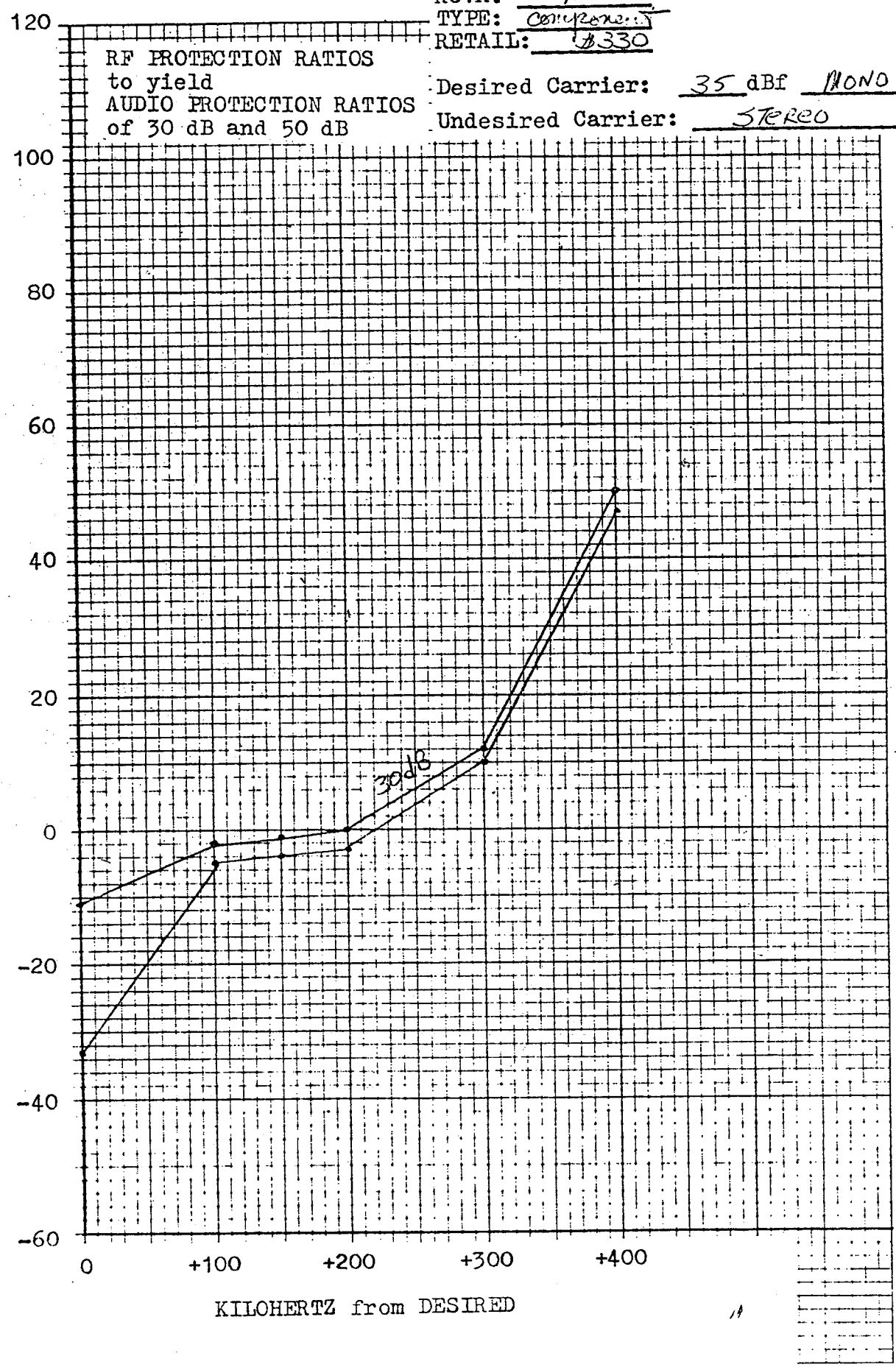


RCVR: 111
TYPE: Component
RETAIL: 330

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dB MONO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



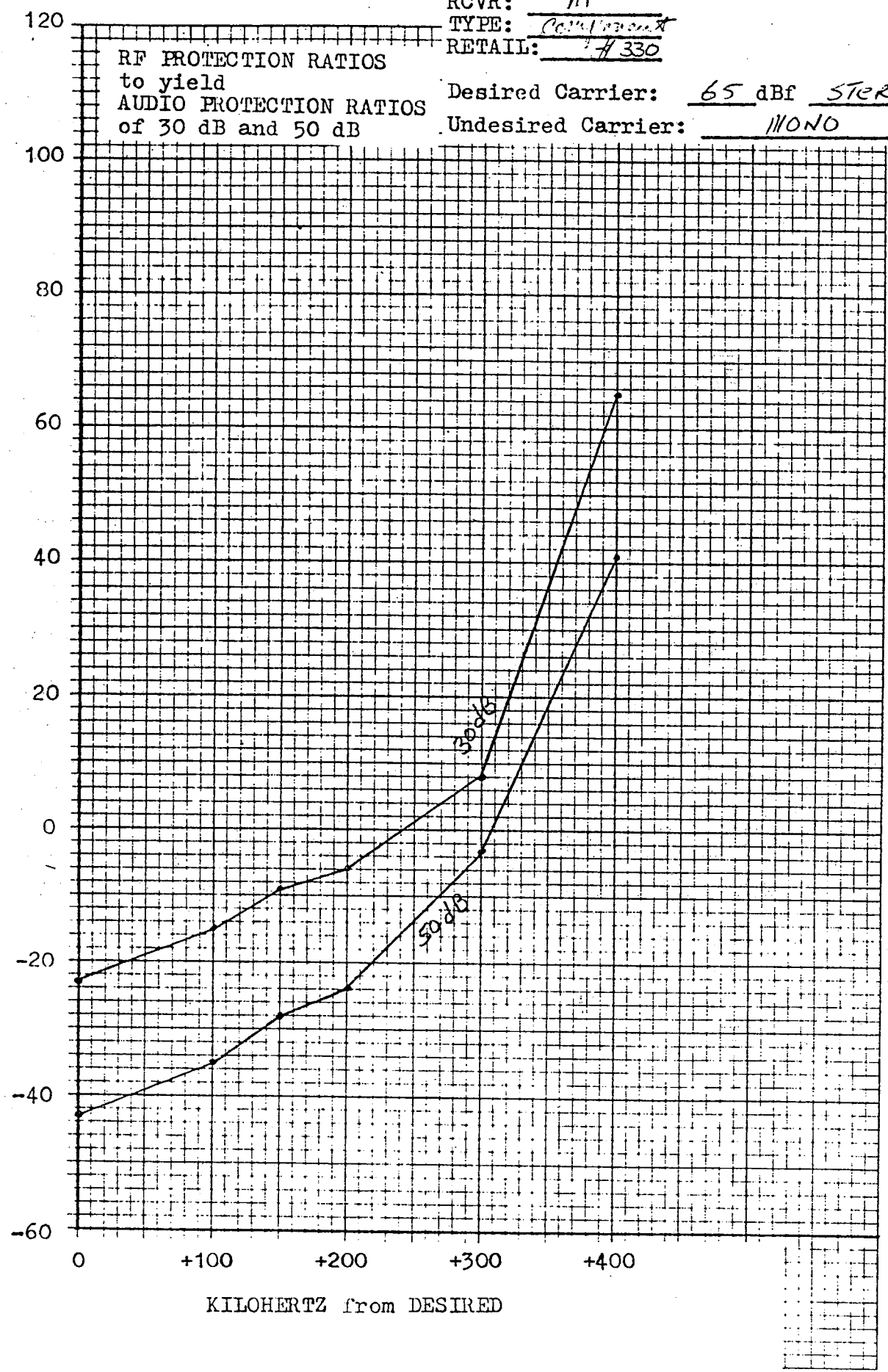
KILOHERTZ from DESIRED

RCVR: 111
TYPE: Communication
RETAIL: #330

Desired Carrier: 65 dBf Stereo
Undesired Carrier: MONO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



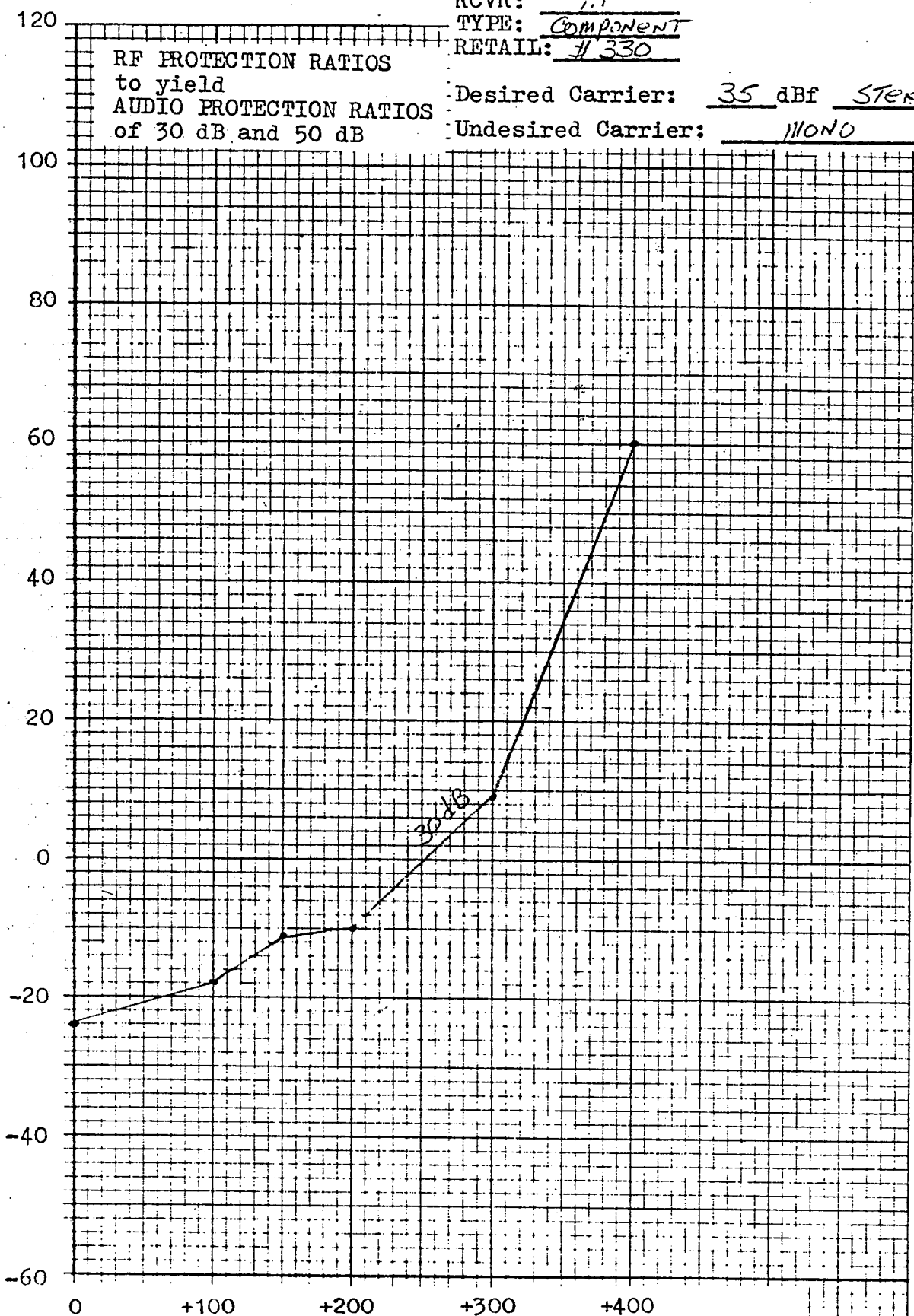
KILOHERTZ from DESIRED

RCVR: 111
TYPE: COMPONENT
RETAIL: #330

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf STEREO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



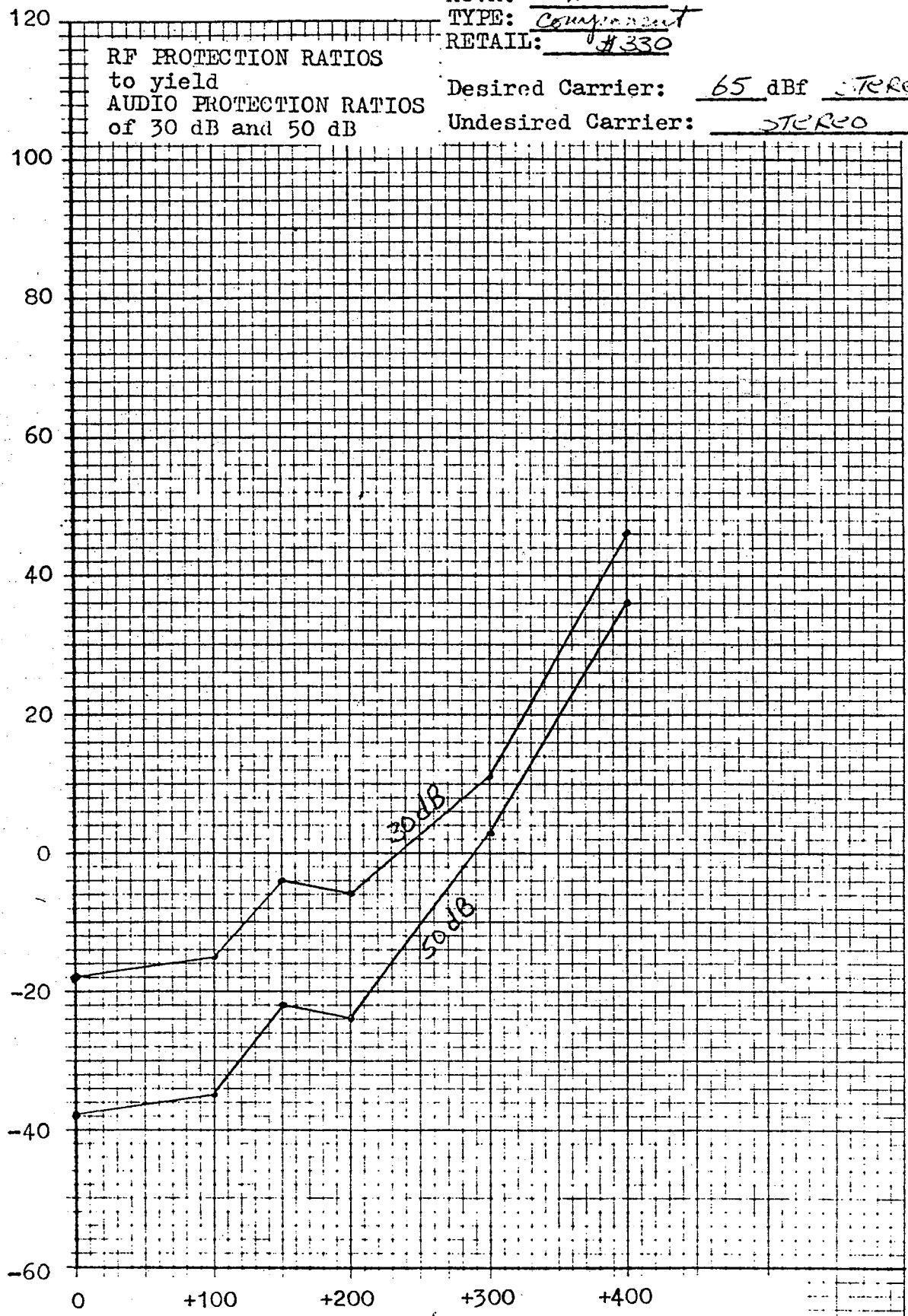
KILOHERTZ from DESIRED

RCVR: M
TYPE: Component
RETAIL: #330

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf STEREO
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



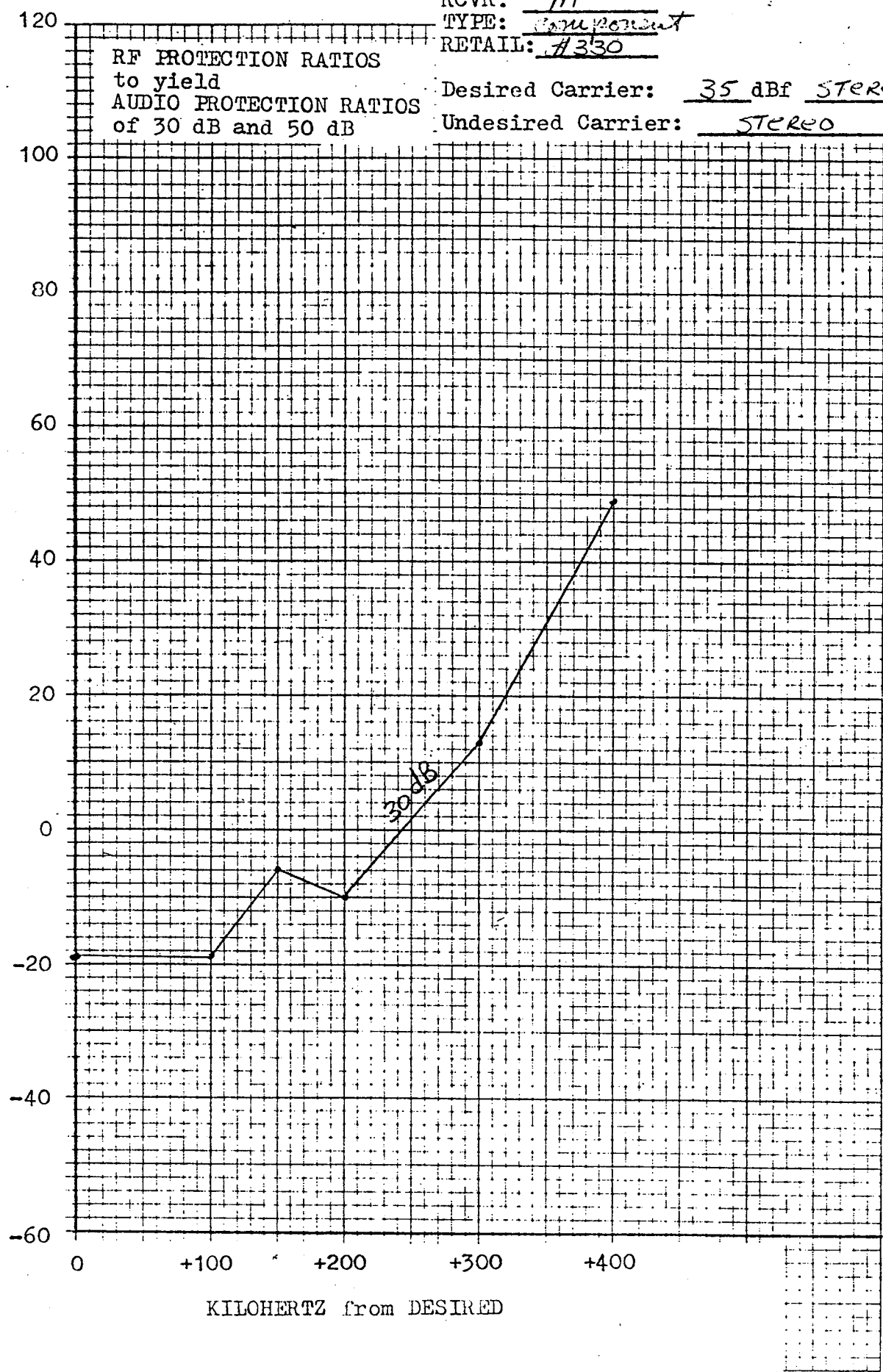
KILOHERTZ from DESIRED

RCVR: 11
TYPE: Component
RETAIL: #330

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dB STEREO
Undesired Carrier: STEREO

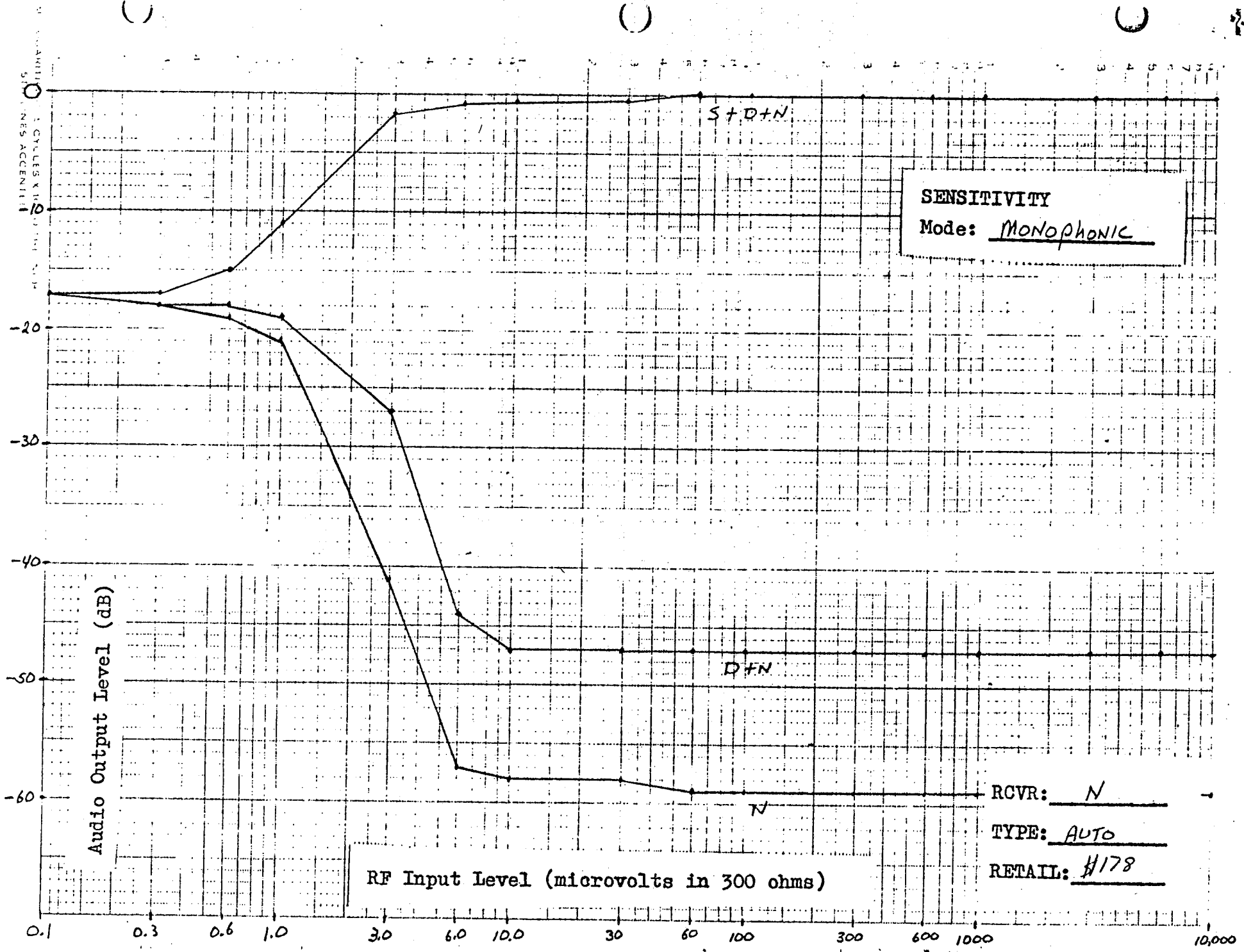
RF PROTECTION RATIO (dB)

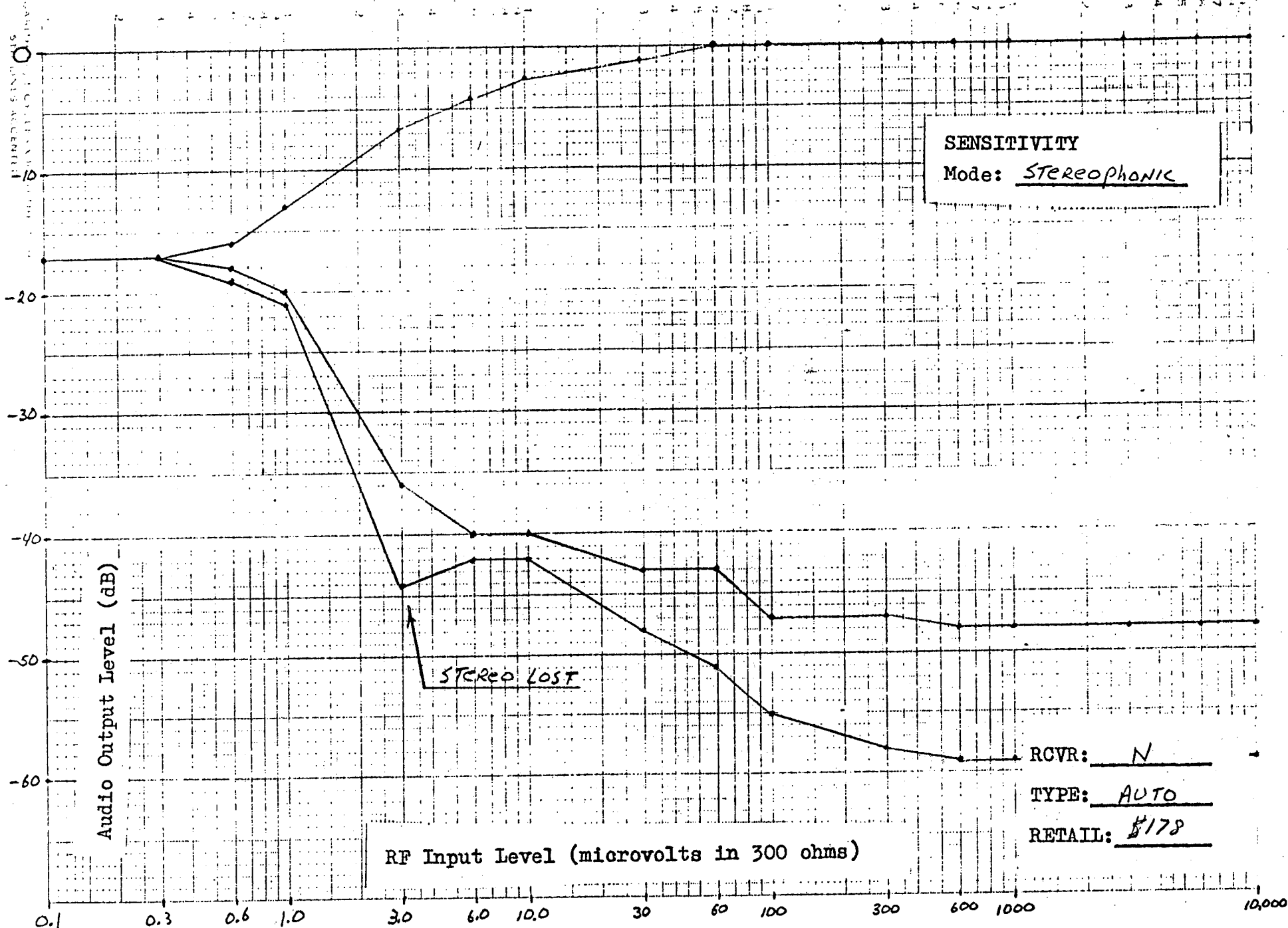


KILOHERTZ from DESIRED



RECEIVER	"N"
TYPE	Auto
RETAIL	\$178





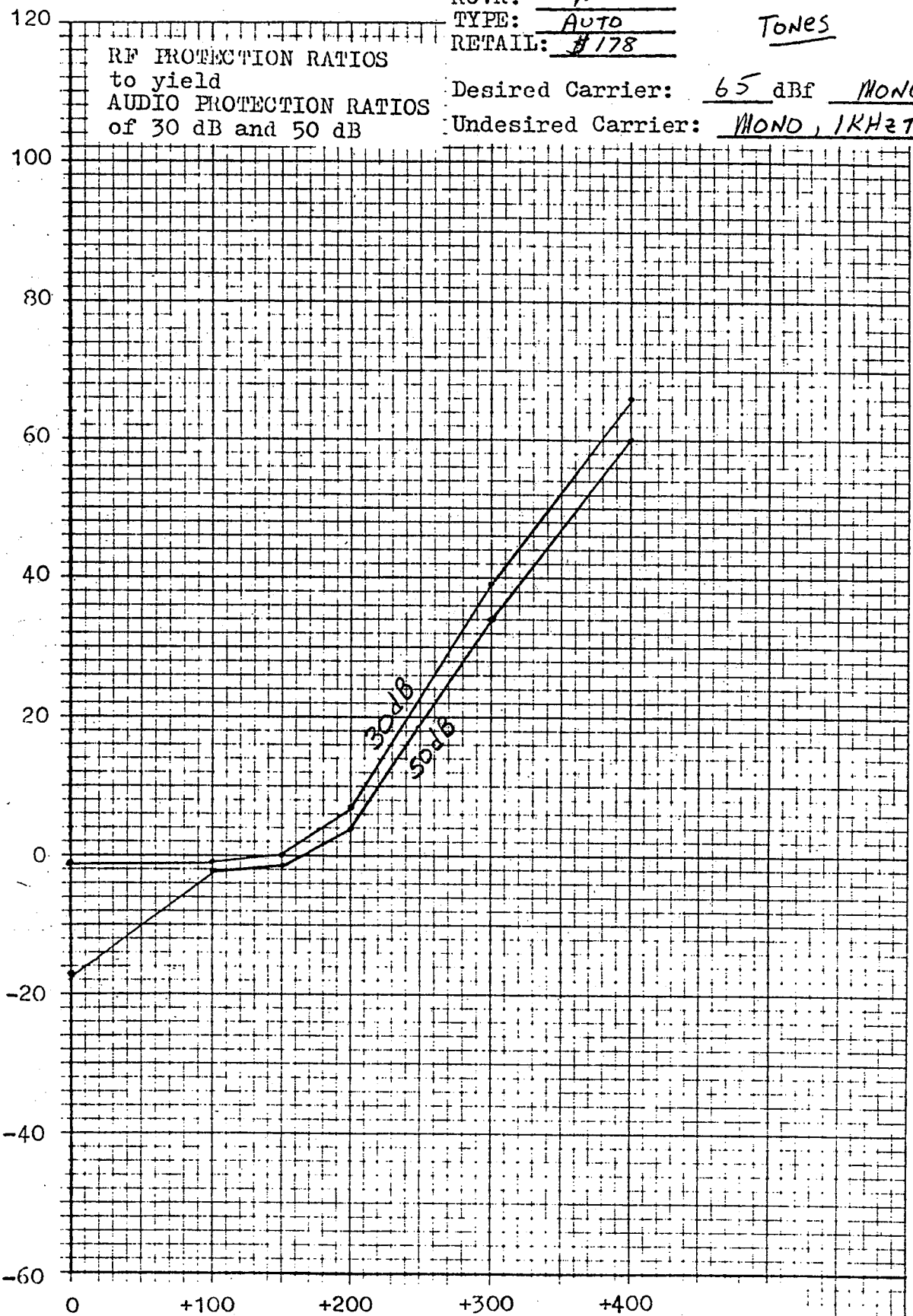
RCVR: N
TYPE: AUTO
RETAIL: #178

TONES

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dB MONO
Undesired Carrier: MONO, 1KHZ TONE

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



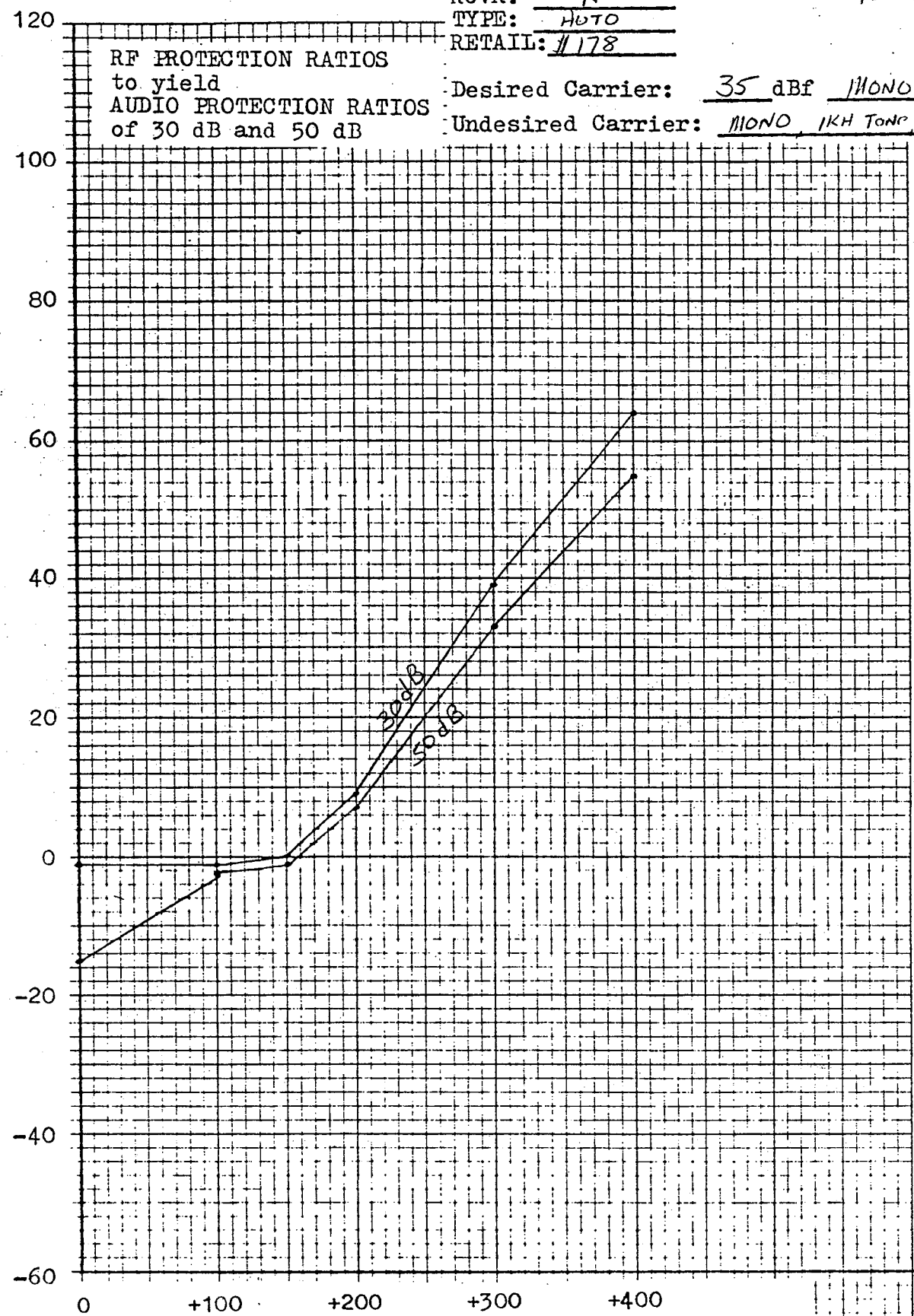
Tones

RCVR: N
TYPE: HUTO
RETAIL: #178

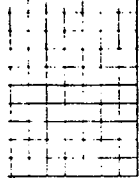
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf MONO
Undesired Carrier: MONO 1KH TONE 1000

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

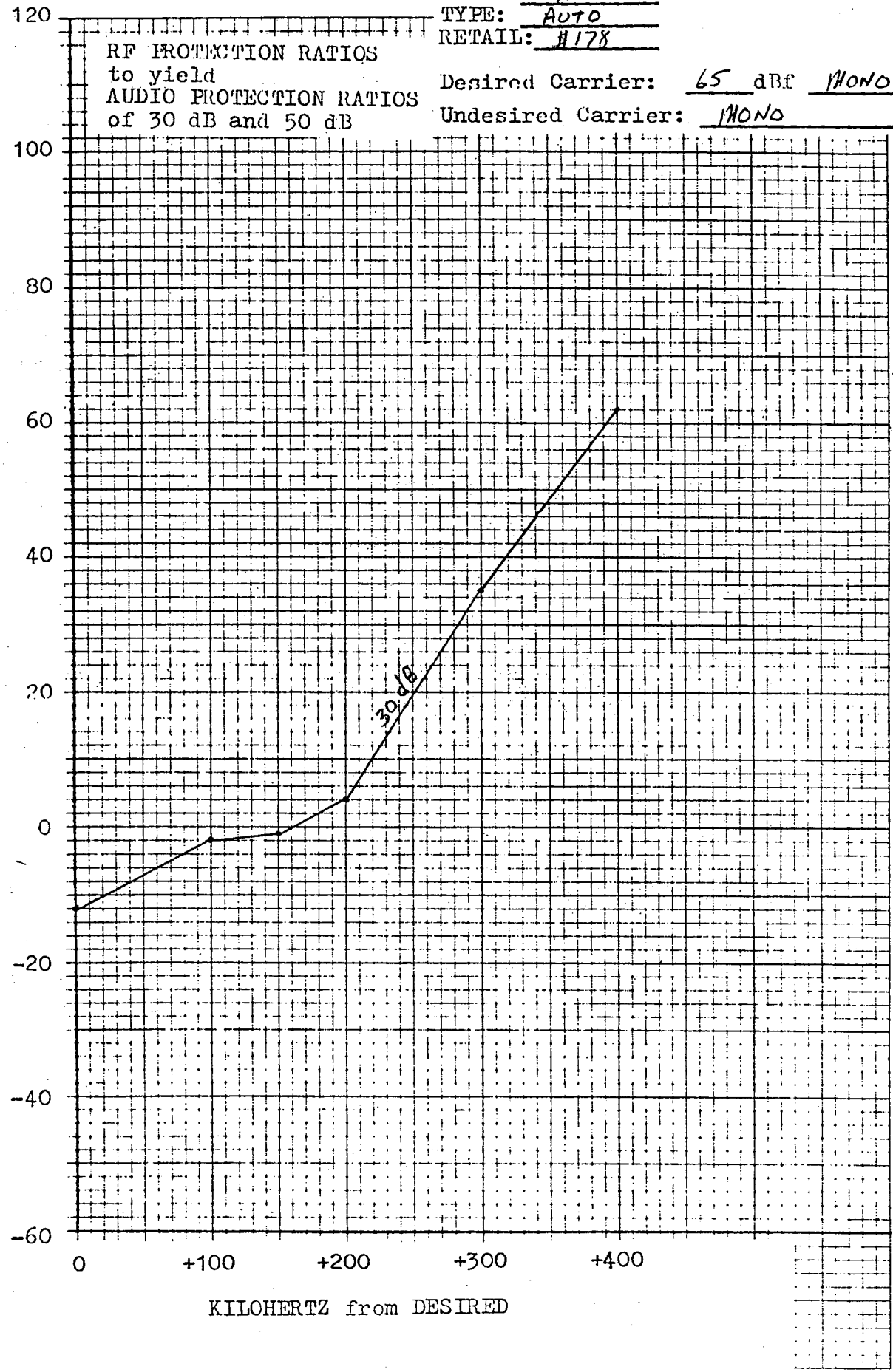


RCVR: N
TYPE: AUTO
RETAIL: #178

Desired Carrier: 65 dB MONO
Undesired Carrier: MONO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



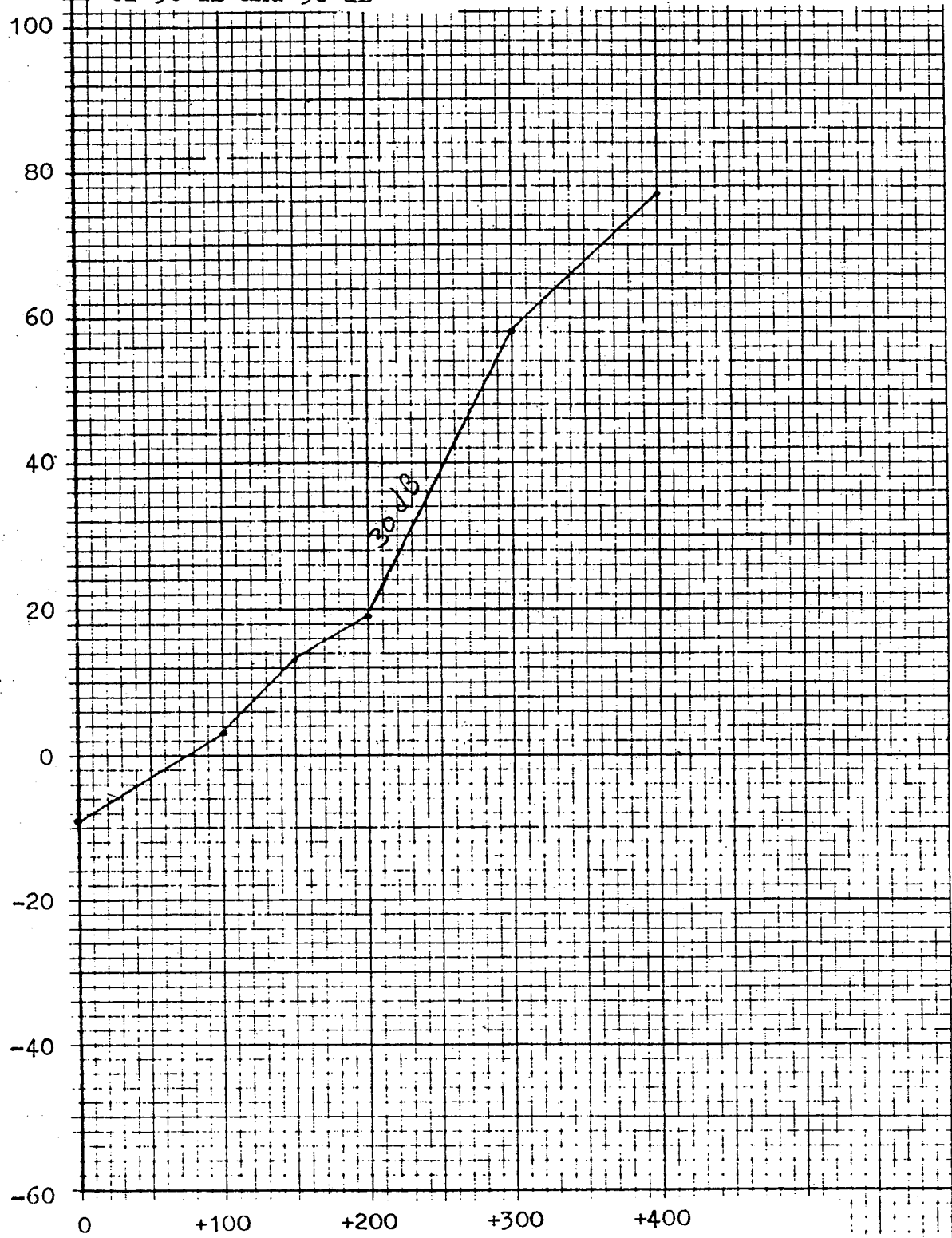
KILOHERTZ from DESIRED

RCVR: N
TYPE: AUTO
RETAIL: #178

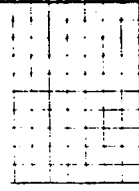
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf MONO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

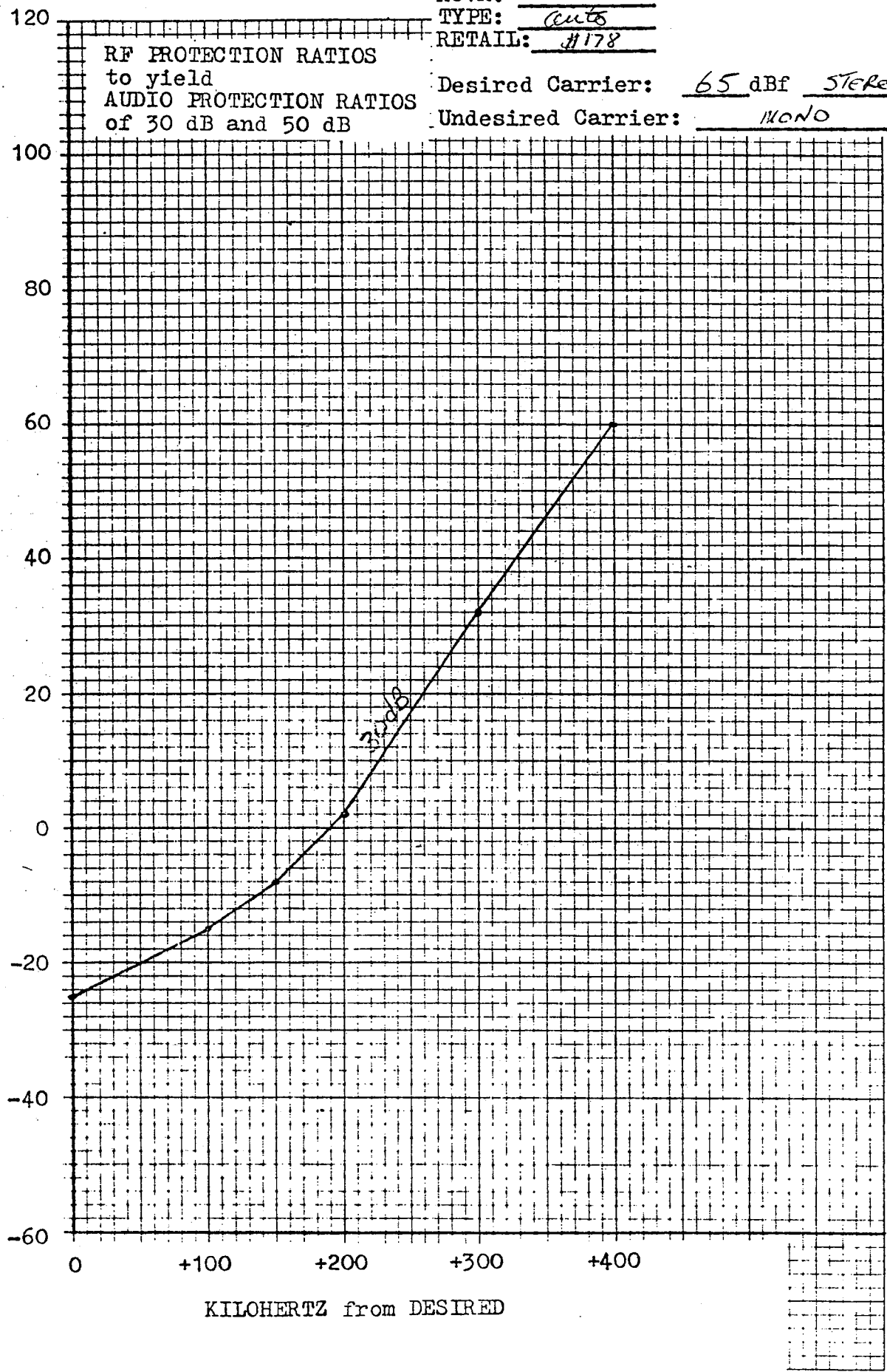


RCVR: N
TYPE: Cuts
RETAIL: #178

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dB Stereo
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



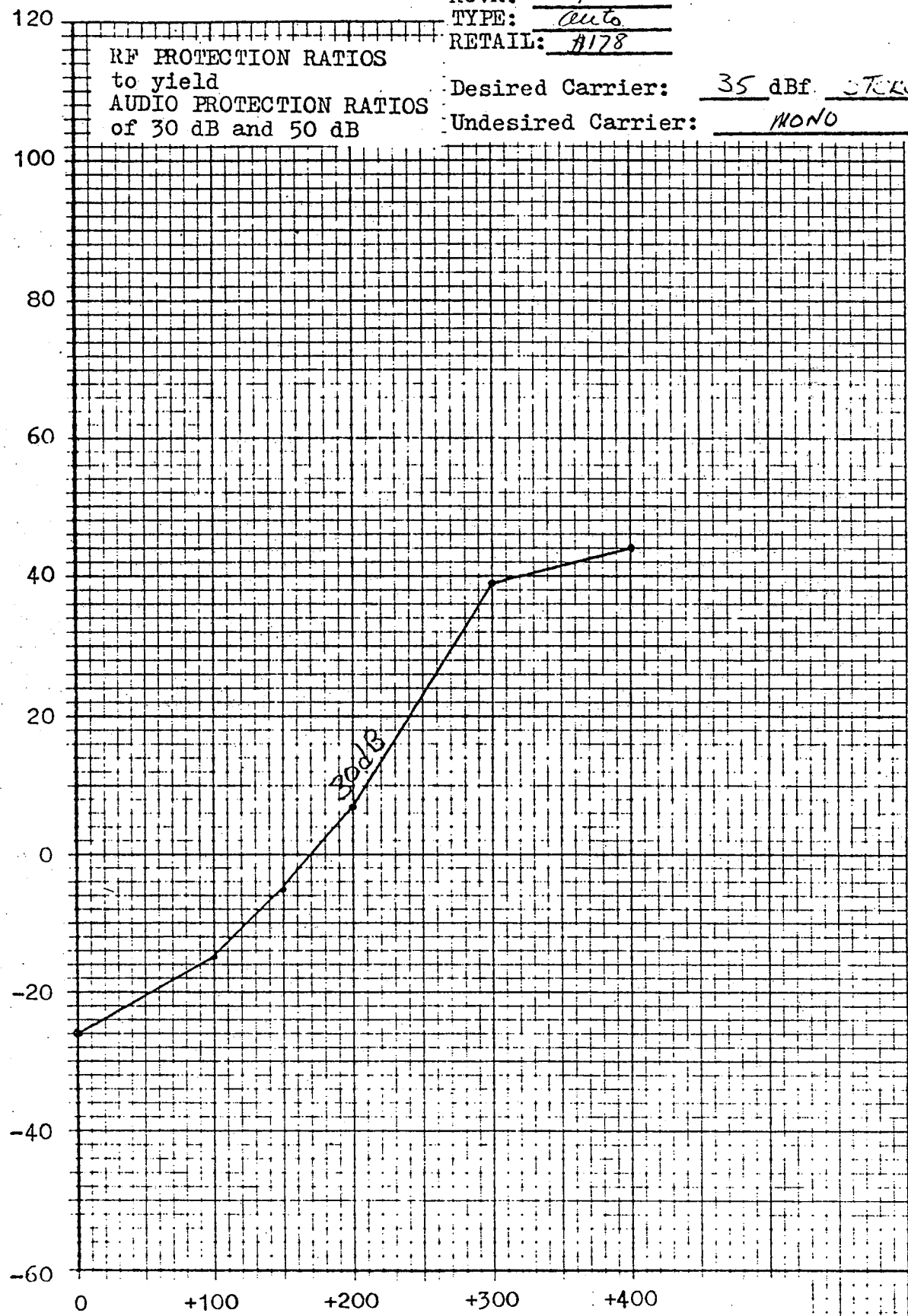
KILOHERTZ from DESIRED

RCVR: N
TYPE: Auto
RETAIL: #178

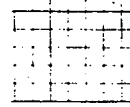
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf STEREO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

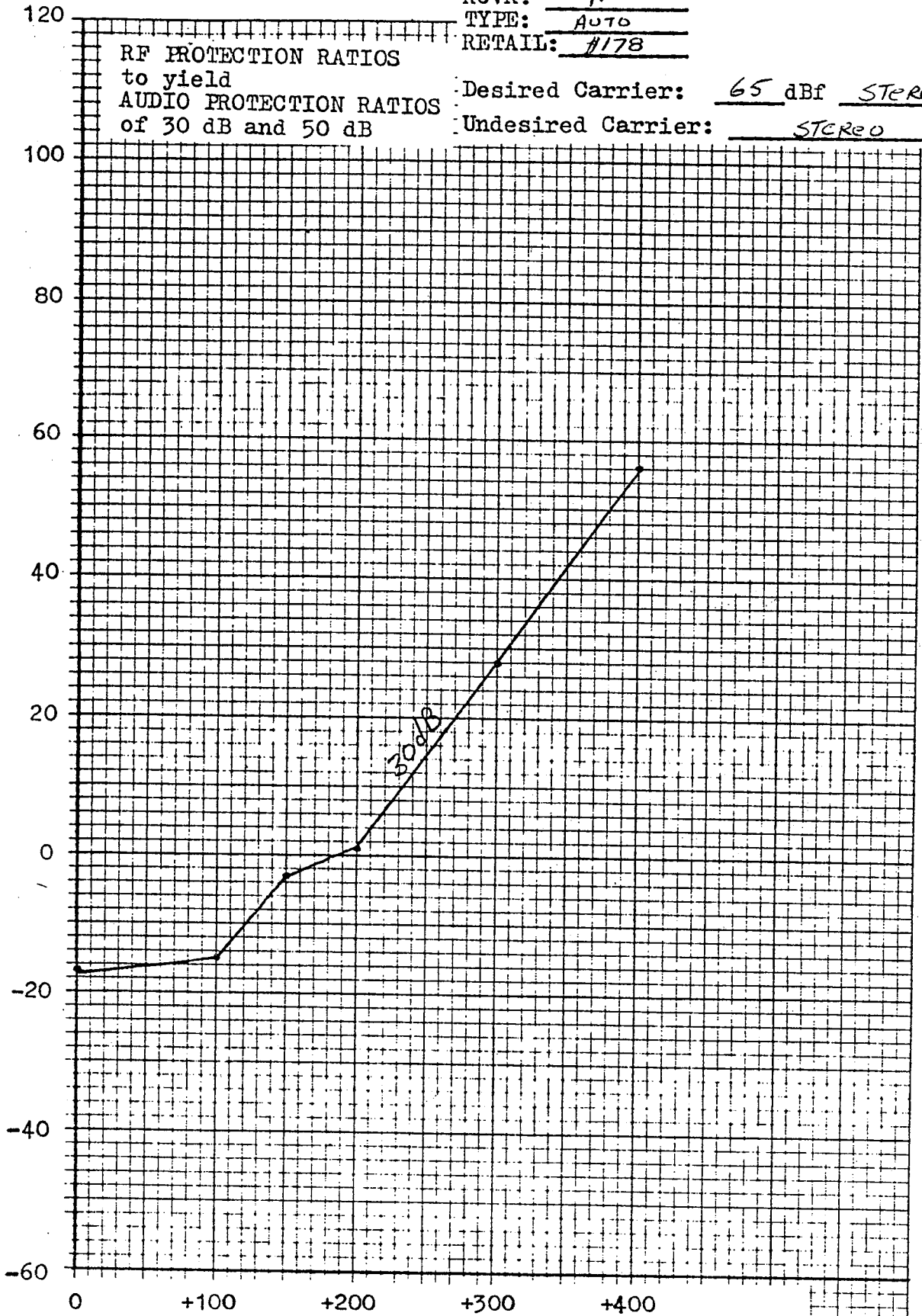


RCVR: N
TYPE: AUTO
RETAIL: #178

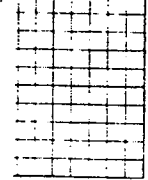
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf Stereo
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

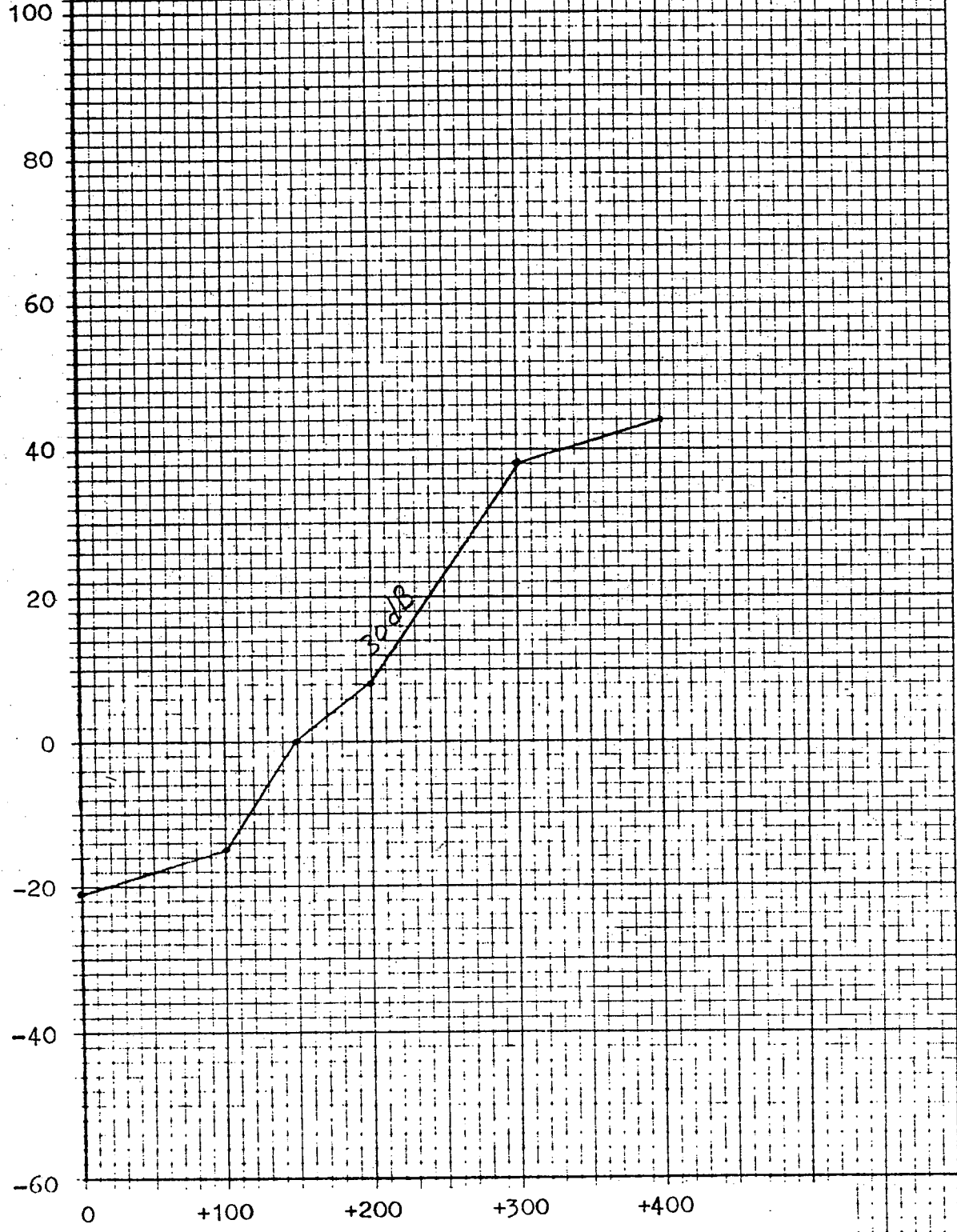


RCVR: N
TYPE: AUTO
RETAIL: 1178

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf Stereo
Undesired Carrier: STEREO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



RECEIVER	"O"
TYPE	Table
RETAIL	\$28

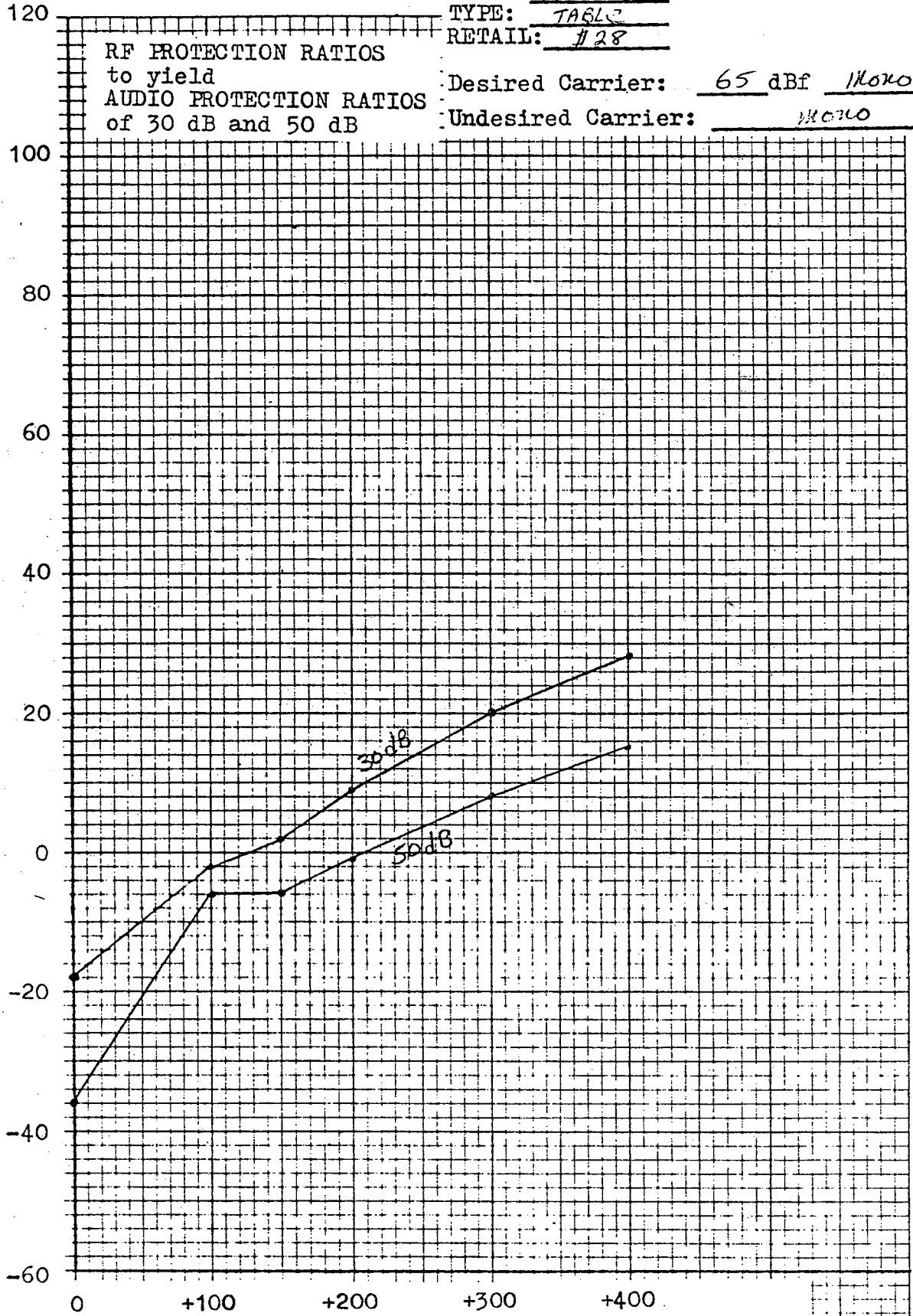
08

RCVR: 0
TYPE: TABLE
RETAIL: #28

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf 1K010
Undesired Carrier: 1K010

RF PROTECTION RATIO (dB)



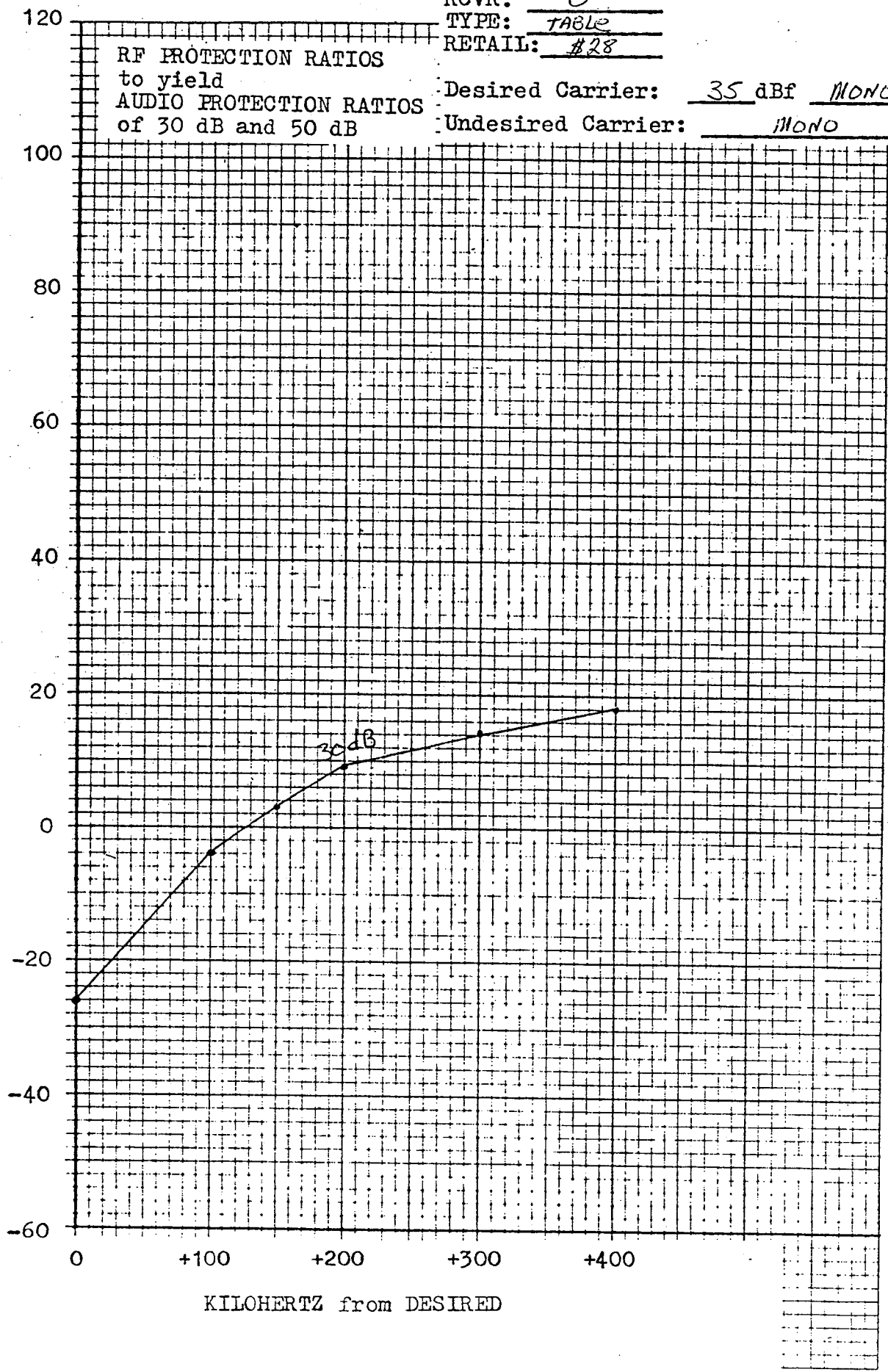
KILOHERTZ from DESIRED

RCVR: 0
TYPE: TABLE
RETAIL: #28

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dB MONO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



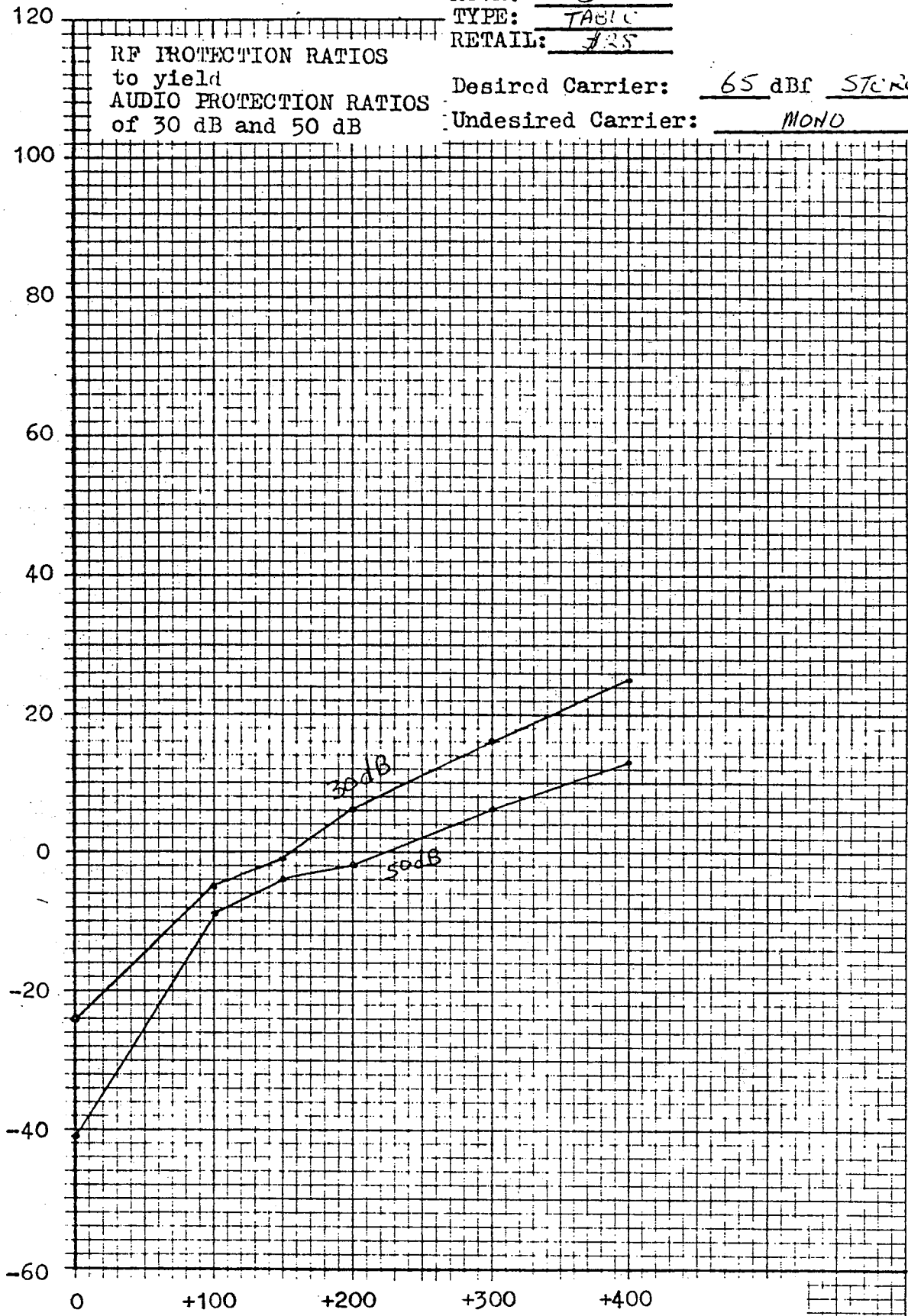
KILOHERTZ from DESIRED

RCVR: 0
TYPE: TABLC
RETAIL: JRS

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dB Stereo
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



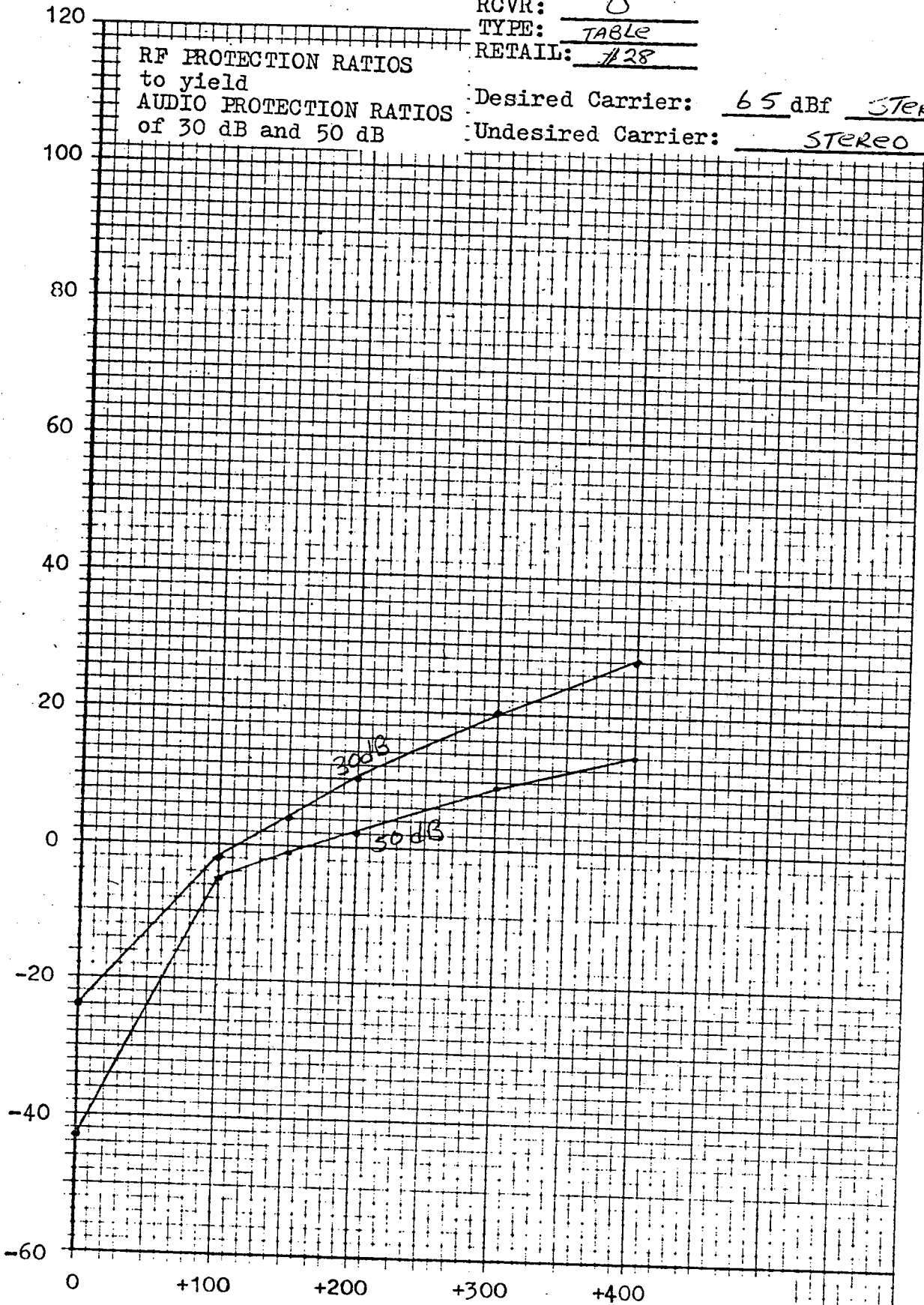
KILOHERTZ from DESIRED

RCVR: 0
TYPE: TABLE
RETAIL: #28

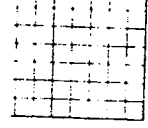
Desired Carrier: 65 dBf Stereo
Undesired Carrier: STEREO

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



1/2

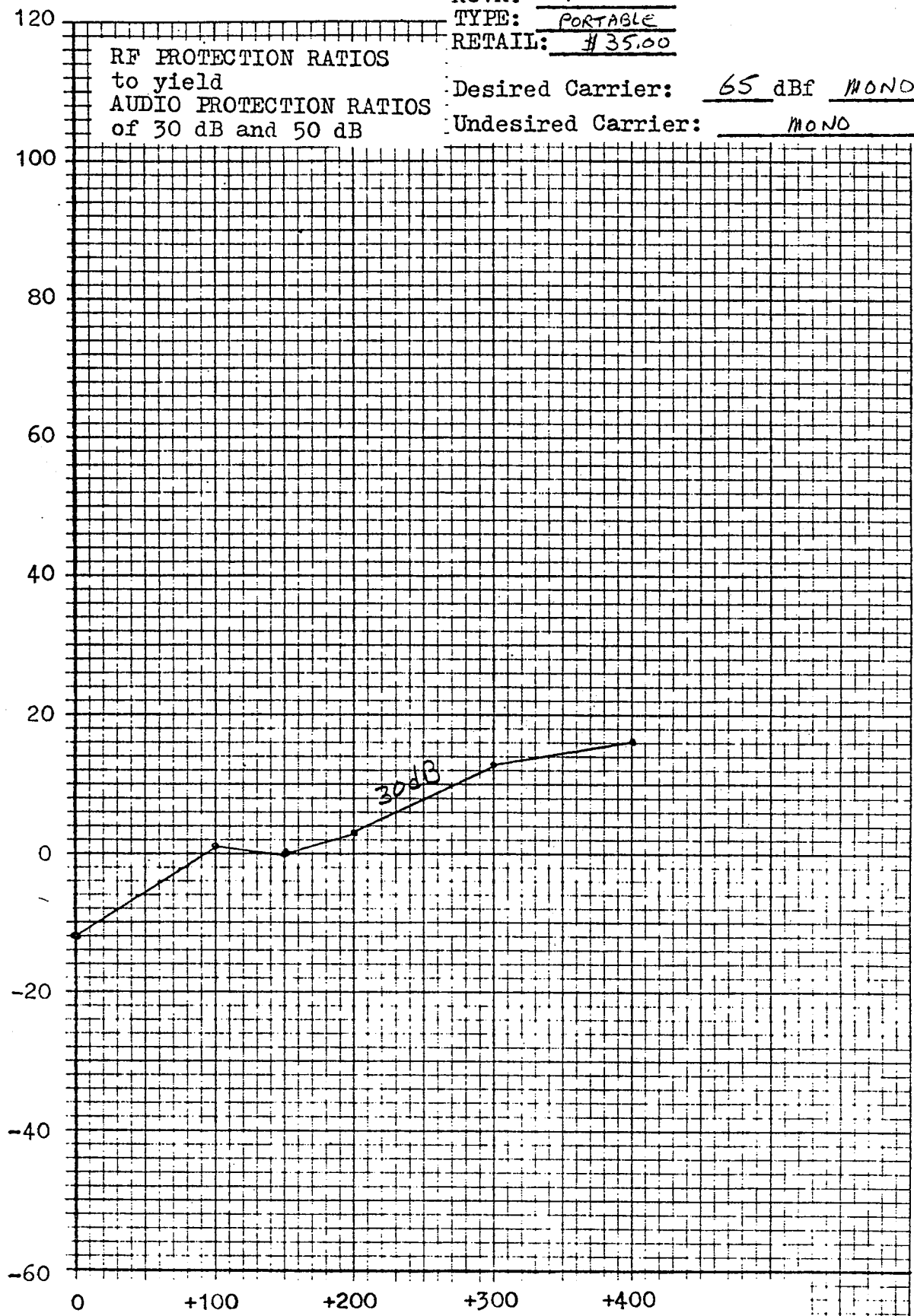
RECEIVER	"P"
TYPE	Portable
RETAIL	\$35

RCVR: P
TYPE: PORTABLE
RETAIL: \$35.00

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dB MONO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



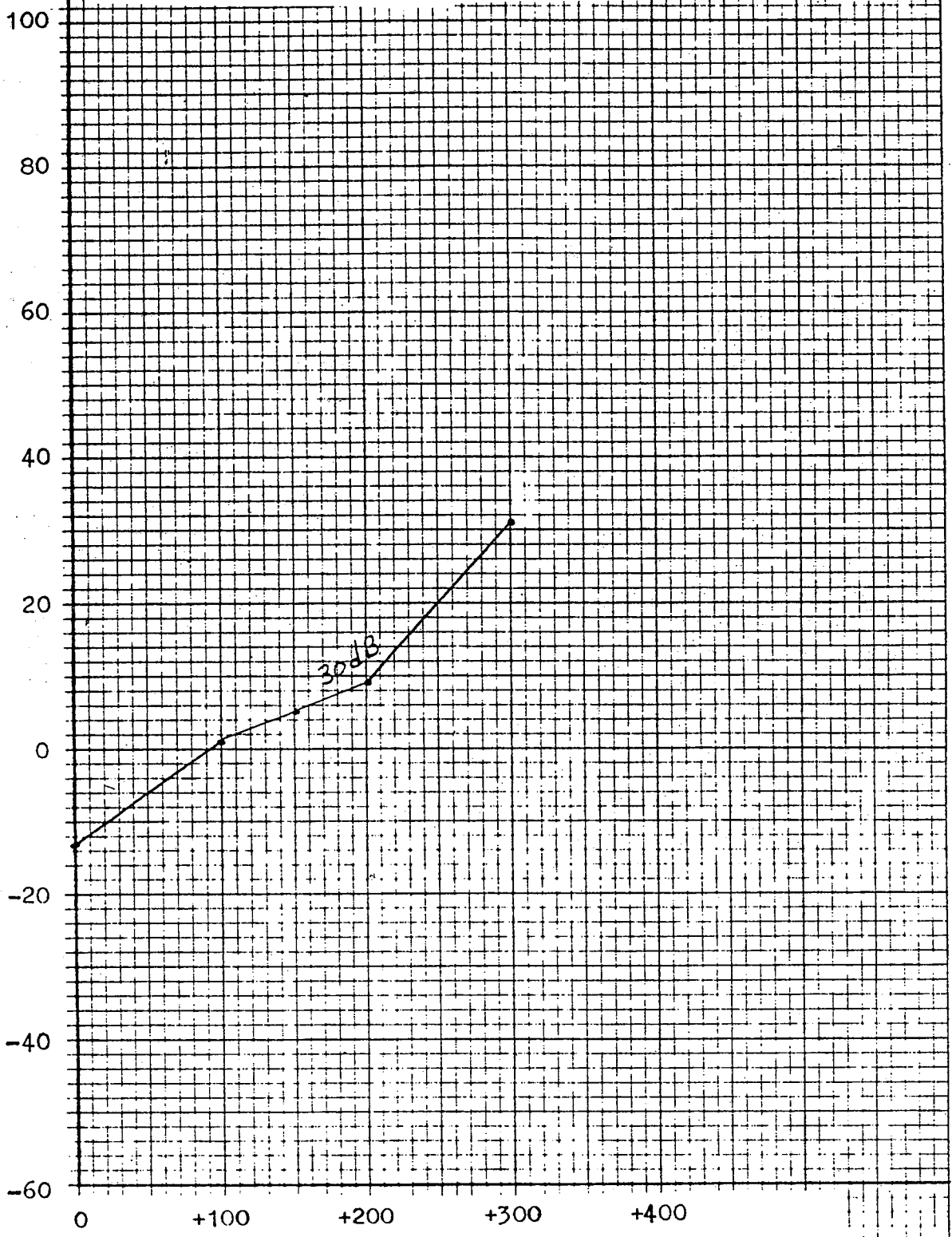
KILOHERTZ from DESIRED

RCVR: P
TYPE: PORTABLE
RETAIL: \$35.00

120
RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: -35 dBf 11000
Undesired Carrier: 11000

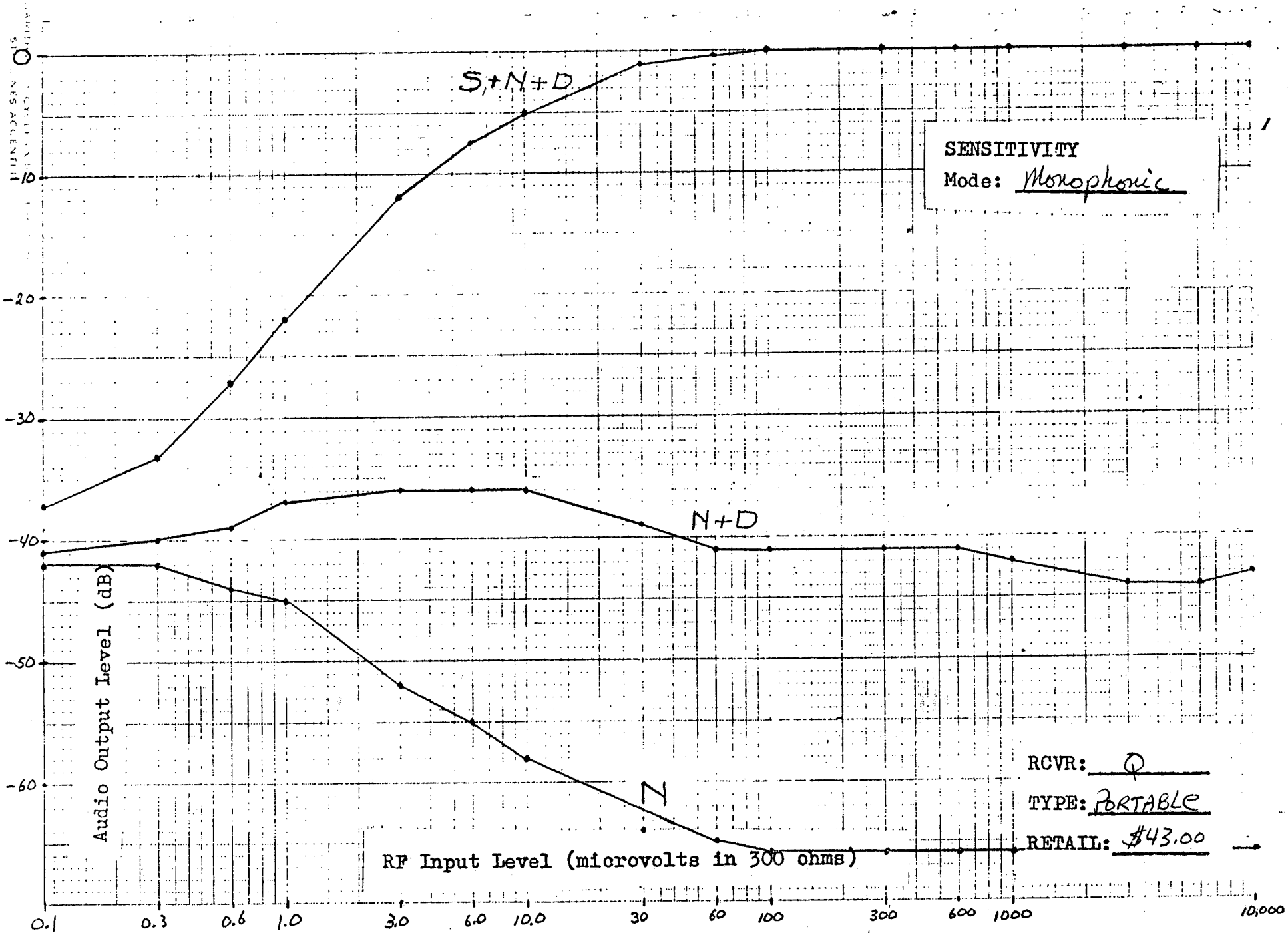
RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



RECEIVER	"Q"
TYPE	Portable
RETAIL	\$43



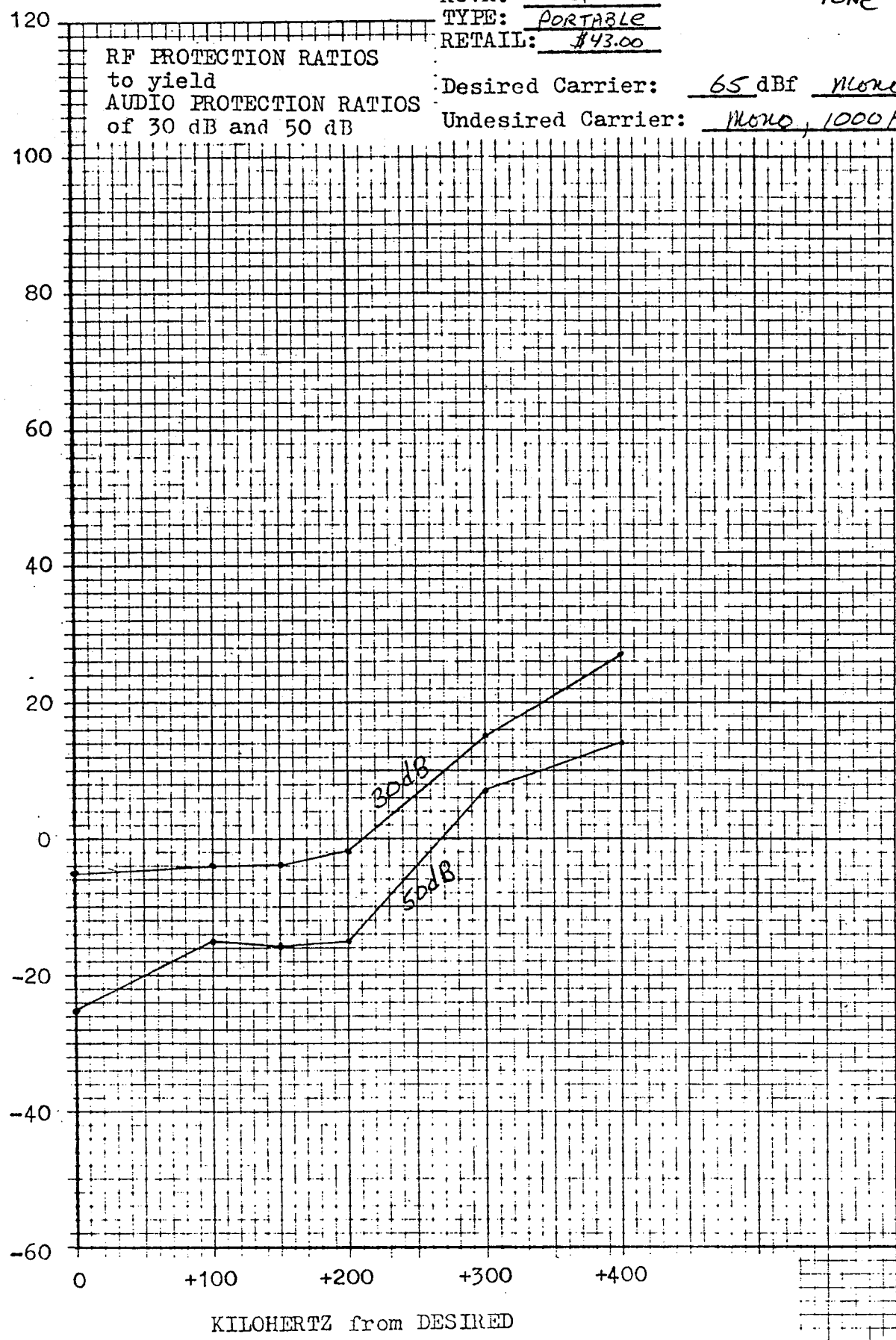
RCVR: Q
TYPE: PORTABLE
RETAIL: \$43.00

TONE

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf WLOK
Undesired Carrier: WLOK, 1000 Hz

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED

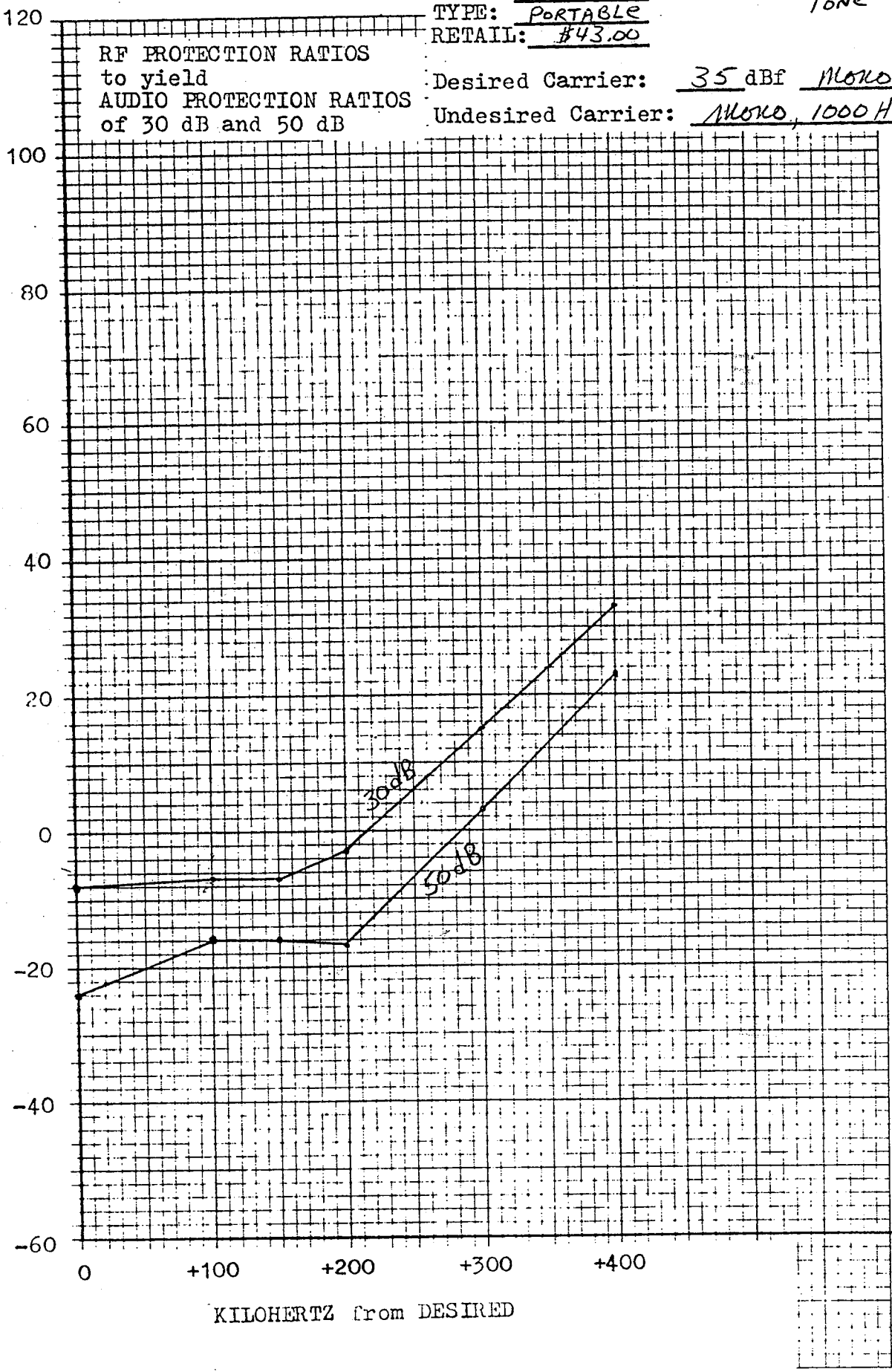
RCVR: Q
TYPE: PORTABLE
RETAIL: \$43.00

Tone

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf M5K0
Undesired Carrier: M5K0, 1000 Hz

RF PROTECTION RATIO (dB)



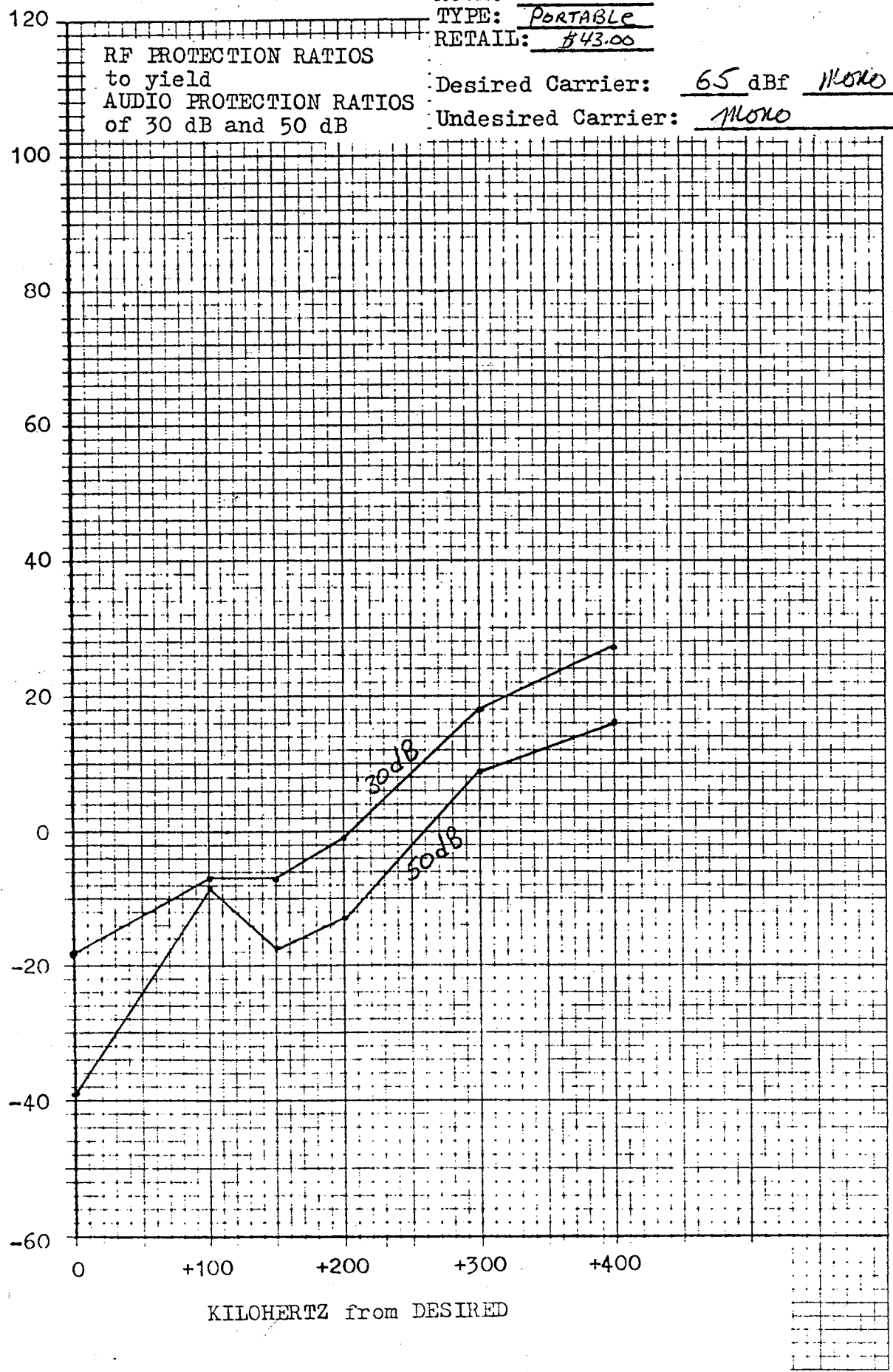
KILOHERTZ from DESIRED

RCVR: Q
TYPE: PORTABLE
RETAIL: \$43.00

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 65 dBf 11000
Undesired Carrier: 11000

RF PROTECTION RATIO (dB)



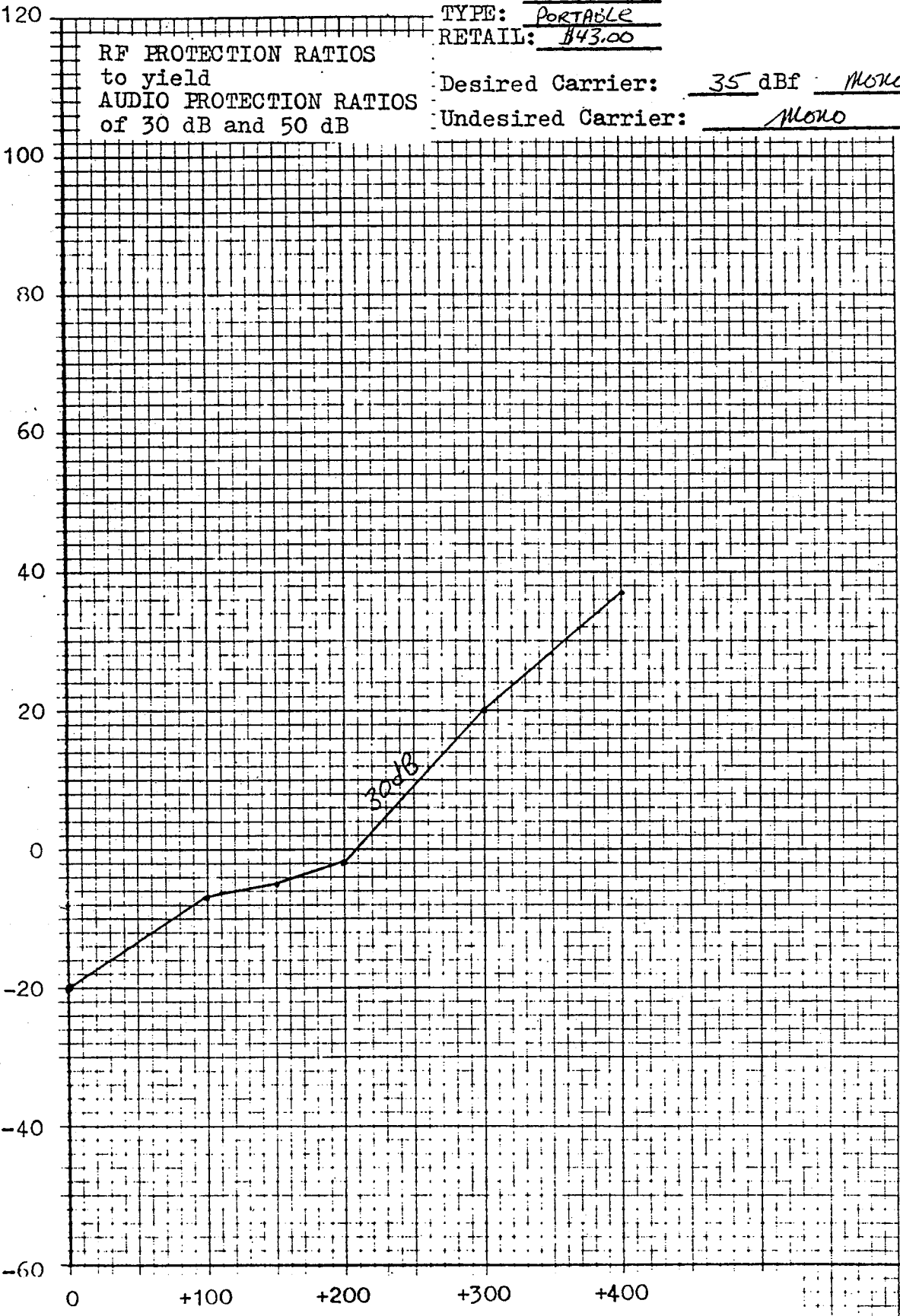
KILOHERTZ from DESIRED

RCVR: Q
TYPE: PORTABLE
RETAIL: \$43.00

RF PROTECTION RATIOS
to yield
AUDIO PROTECTION RATIOS
of 30 dB and 50 dB

Desired Carrier: 35 dBf MONO
Undesired Carrier: MONO

RF PROTECTION RATIO (dB)



KILOHERTZ from DESIRED



NRSC-R30

NRSC Document Improvement Proposal

If in the review or use of this document a potential change appears needed for safety, health or technical reasons, please fill in the appropriate information below and email, mail or fax to:

National Radio Systems Committee
c/o Consumer Electronics Association
Technology & Standards Department
1919 S. Eads St.
Arlington, VA 22202
FAX: 703-907-4190
Email: standards@ce.org

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COMPANY:	FAX:	
	EMAIL:	
ADDRESS:		
URGENCY OF CHANGE: _____ Immediate _____ At next revision		
PROBLEM AREA (ATTACH ADDITIONAL SHEETS IF NECESSARY): a. Clause Number and/or Drawing: b. Recommended Changes: c. Reason/Rationale for Recommendation:		
ADDITIONAL REMARKS:		
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