INDEX OF SUBMITTED MEASURED DATA

This exhibit contains the measured data for this equipment as follows:

EXHIBIT 6A - RF Power Output (Table)

EXHIBIT 6B - Transmit Audio Response (2 Graphs) (*)
6B-1 - 12.5 kHz Channel Spacing
6B-2 - 25 kHz Channel Spacing

EXHIBIT 6C - Transmit Audio Post Limiter Lowpass Filter Response (2 Graphs) (*)
6C-1 - 12.5 kHz Channel Spacing
6C-2 - 25 kHz Channel Spacing

EXHIBIT 6D - Modulation Limiting Characteristics (6 Graphs) (*)
6D-1 - 12.5 kHz Channel Spacing, Carrier Squelch Mode
6D-2 - 12.5 kHz Channel Spacing, Tone Private Line (TPL) Mode
6D-3 - 12.5 kHz Channel Spacing, Digital Private Line (DPL) Mode
6D-4 - 25 kHz Channel Spacing, Carrier Squelch Mode
6D-5 - 25 kHz Channel Spacing, Digital Private Line (DPL) Mode
6D-6 - 25 kHz Channel Spacing, Tone Private Line (TPL) Mode

EXHIBIT 6E - Occupied Bandwidth (24 Spectrum Analyzer Plots) (*)
6E-1 - 12.5 kHz 2500 Hz Audio Modulation Only
6E-2 - 12.5 kHz 2500 Hz Audio and PL Tone Modulation
6E-3 - 12.5 kHz 2500 Hz Audio and DPL Modulation
6E-4 - 12.5 kHz DTMF Modulation Only
6E-5 - 12.5 kHz DTMF Modulation and PL Tone Modulation
6E-6 - 12.5 kHz DTMF Modulation and DPL Modulation
6E-7 - 12.5 kHz 2000/3000 Hz FSK Data Modulation Only
6E-8 - 12.5 kHz 2000/3000 Hz FSK Data and PL Tone Modulation
6E-9- 12.5 kHz 2000/3000 Hz FSK Data and DPL Modulation
6E-10 - 12.5 kHz CWID Modulation
6E-11 - 12.5 kHz CWID Modulation and PL Tone Modulation
6E-12 - 12.5 kHz CWID Modulation and DPL Modulation
6E-13 - 25 kHz 2500 Hz Audio Modulation Only
6E-14 - 25 kHz 2500 Hz Audio and PL Tone Modulation
6E-15 - 25 kHz 2500 Hz Audio and DPL Modulation
6E-16 - 25 kHz DTMF Modulation Only
6E-17 - 25 kHz DTMF Modulation and PL Tone Modulation
6E-18 - 25 kHz DTMF Modulation and DPL Modulation
6E-19 - 25 kHz 2000/3000 Hz FSK Data Modulation Only
6E-20 - 25 kHz 2000/3000 Hz FSK Data and PL Tone Modulation
6E-21 - 25 kHz 2000/3000 Hz FSK Data and DPL Modulation
6E-22 - 25 kHz CWID Modulation
6E-23 - 25 kHz CWID Modulation and PL Tone Modulation
6E-24 - 25 kHz CWID Modulation and DPL Modulation

EXHIBIT 6F - Conducted Spurious Emissions (3 Graphs)
6F-1 - 11 Watts, 444.000 MHz
6F-2 - 11 Watts, 460.000 MHz
6F-3 - 11 Watts, 474.000 MHz

Index To Submitted Measured Data (continued)

EXHIBIT 6G - Radiated Spurious Emissions – 11 Watts (Graph)

EXHIBIT 6H - Frequency Stability vs. Temperature (Graph) (*)

EXHIBIT 6J - Frequency Stability vs. Voltage (Graph) (*)

EXHIBIT 6K - Transient Frequency Behavior (4 Graphs) (*)
- 6K-1 - 12.5 kHz Key-Up Attack Time
- 6K-2 - 12.5 kHz De-Key Attack Time
- 6K-3 - 25 kHz Key-Up Attack Time
- 6K-4 - 25 kHz De-Key Attack Time

EXHIBIT 6L - Line Conducted Spurious Emissions (3 Graphs) (*)
- 6L-1 - Receive / Standby
- 6L-2 - Transmit / Fan On
- 6L-3 - Transmit / Fan Off

NOTE: Items marked with (*) are from filing FCC ID ABZ99FT4023. This filing is referenced on each sheet for which it applies.

HIGH-POWER SETTING, FREQUENCY 444.000 MHz

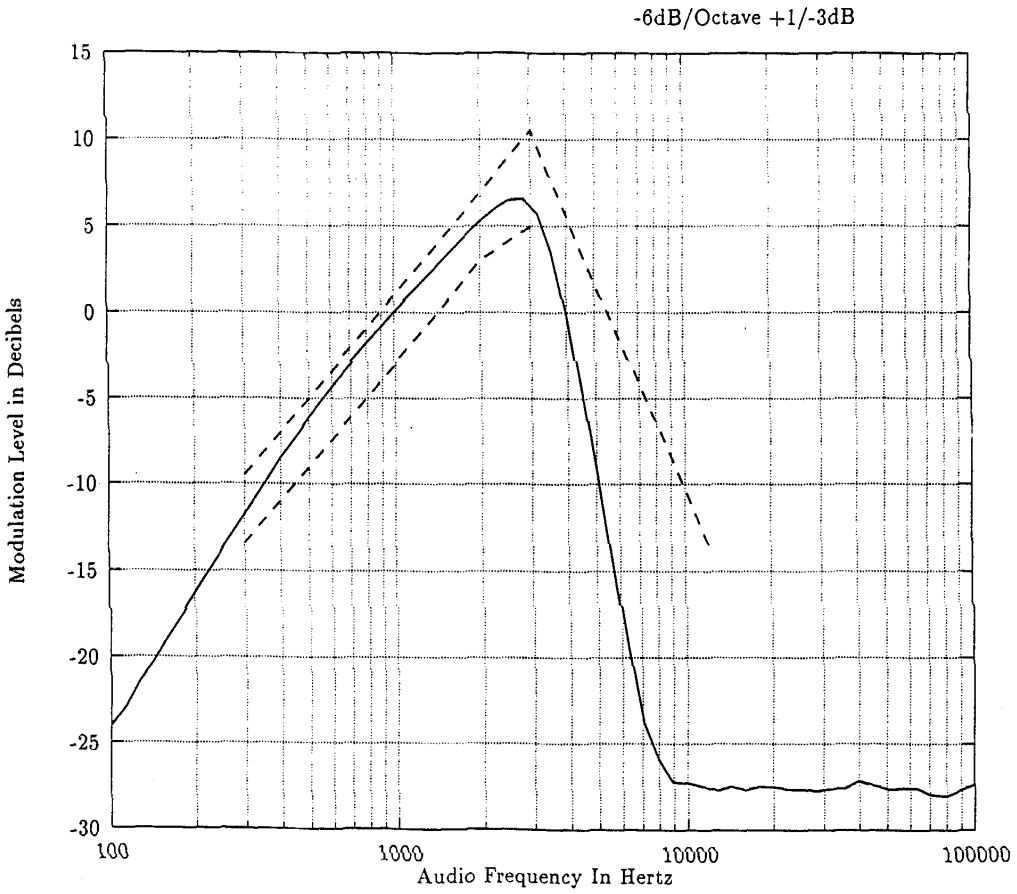
Measured RF Output Power:	11.0 Watts
Measured DC Voltage:	13.0 Volts
Measured DC Current:	1.68 Amperes
Measured DC Input Power:	21.8 Watts

HIGH -POWER SETTING, FREQUENCY 459.000 MHz

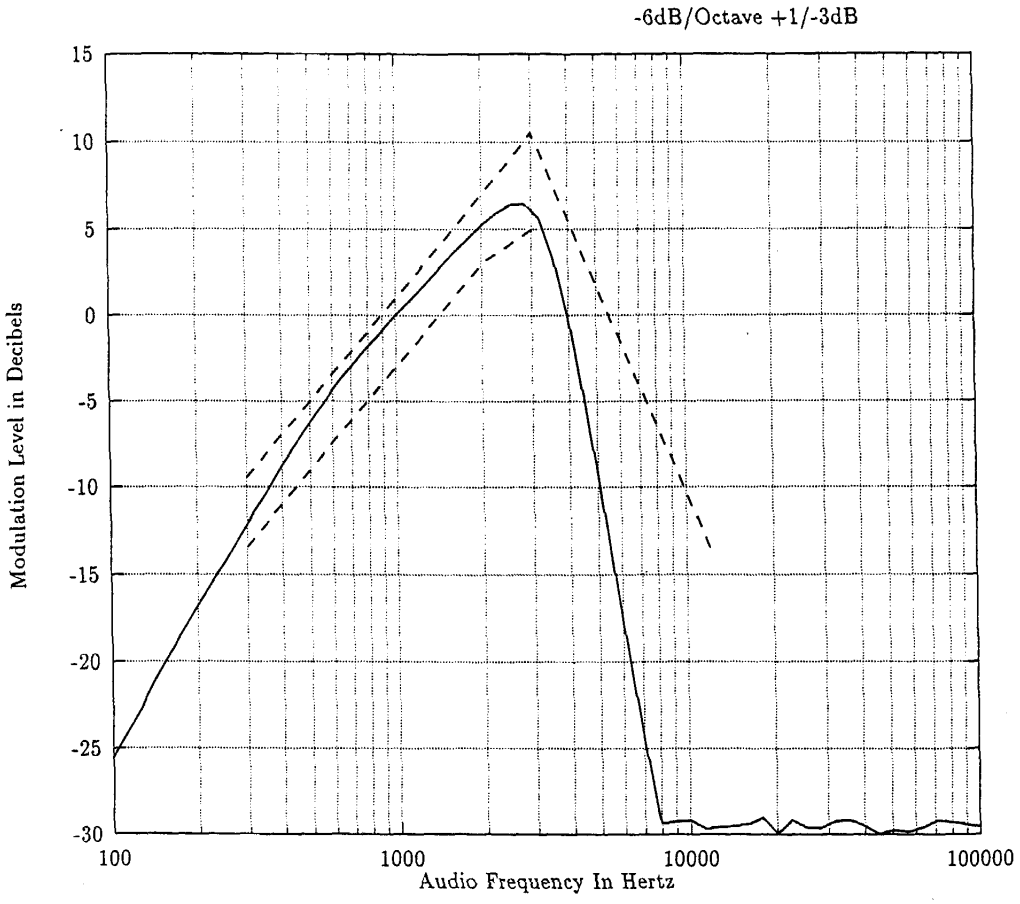
Measured RF Output Power:	11.0 Watts
Measured DC Voltage:	13.0 Volts
Measured DC Current:	1.43 Amperes
Measured DC Input Power:	18.6 Watts

HIGH -POWER SETTING, FREQUENCY 474.000 MHz

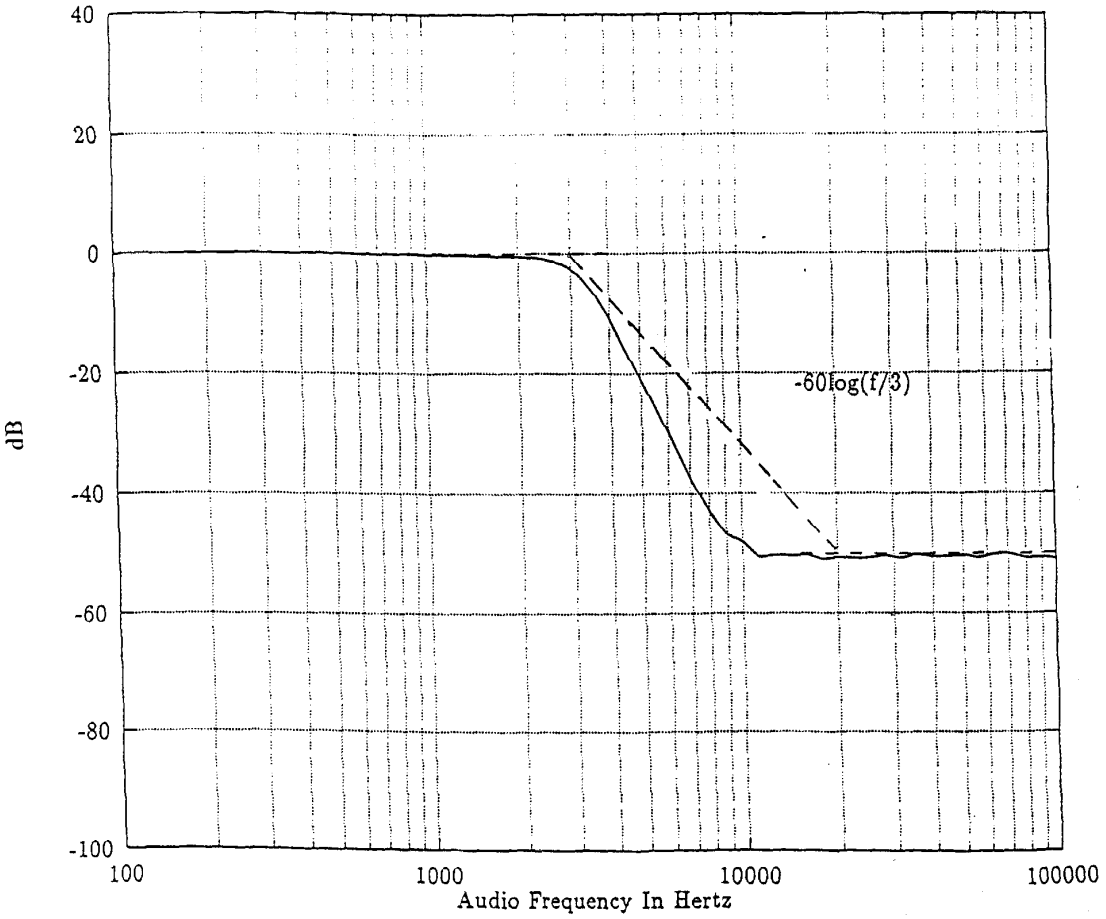
Measured RF Output Power:	11.0 Watts
Measured DC Voltage:	13.0 Volts
Measured DC Current:	1.40 Amperes
Measured DC Input Power:	18.2 Watts



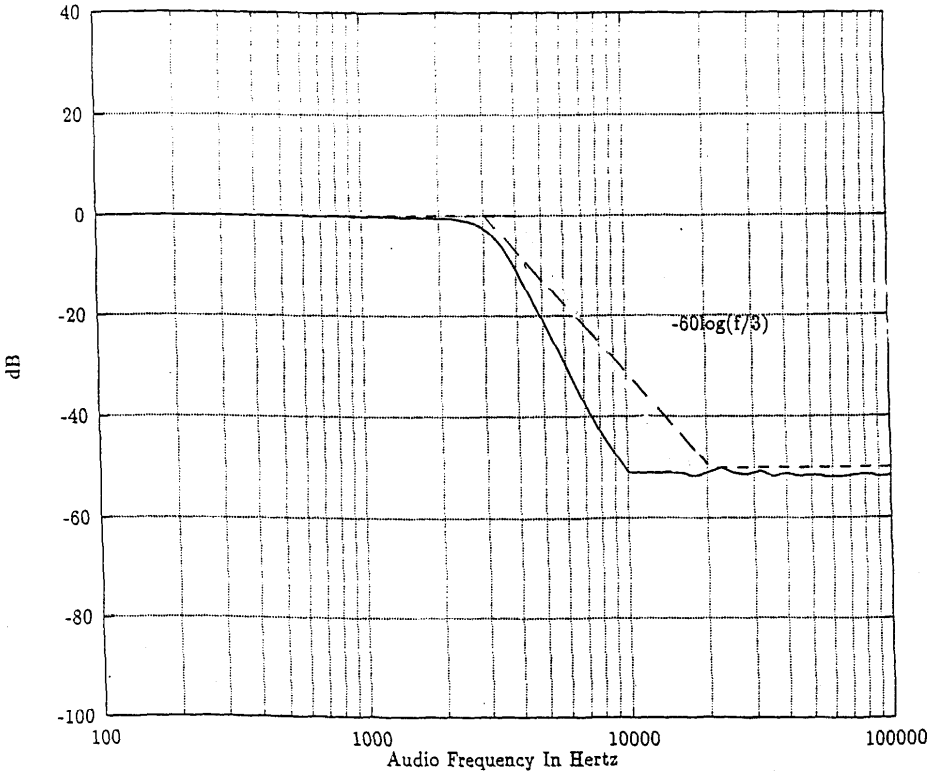
Transmit Audio Response - 12.5 kHz Channel Spacing



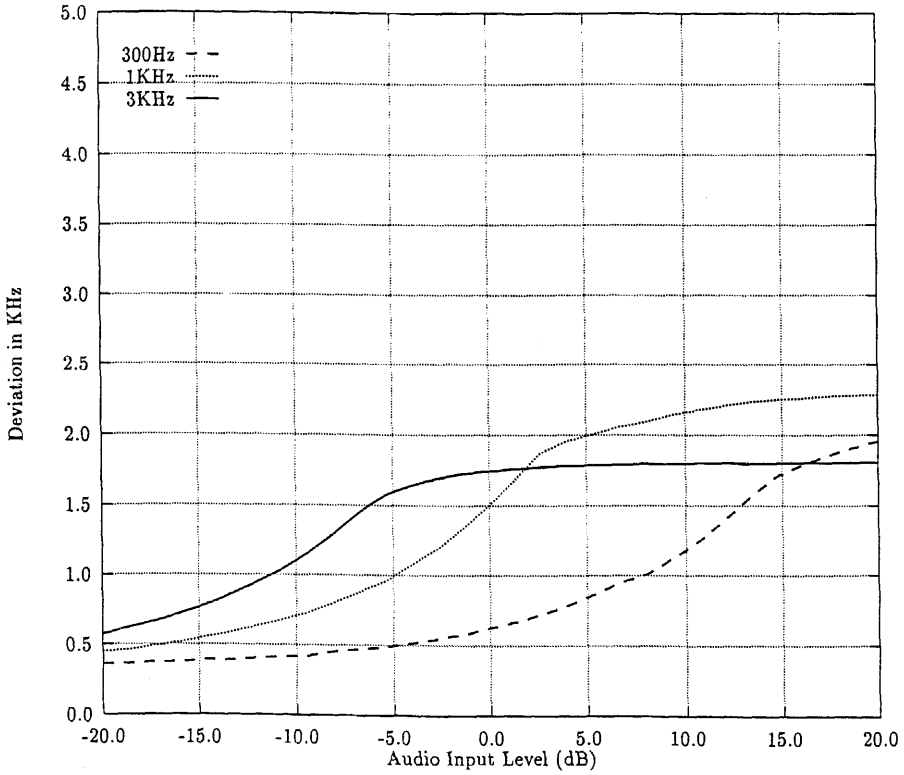
Transmit Audio Response - 25 kHz Channel Spacing



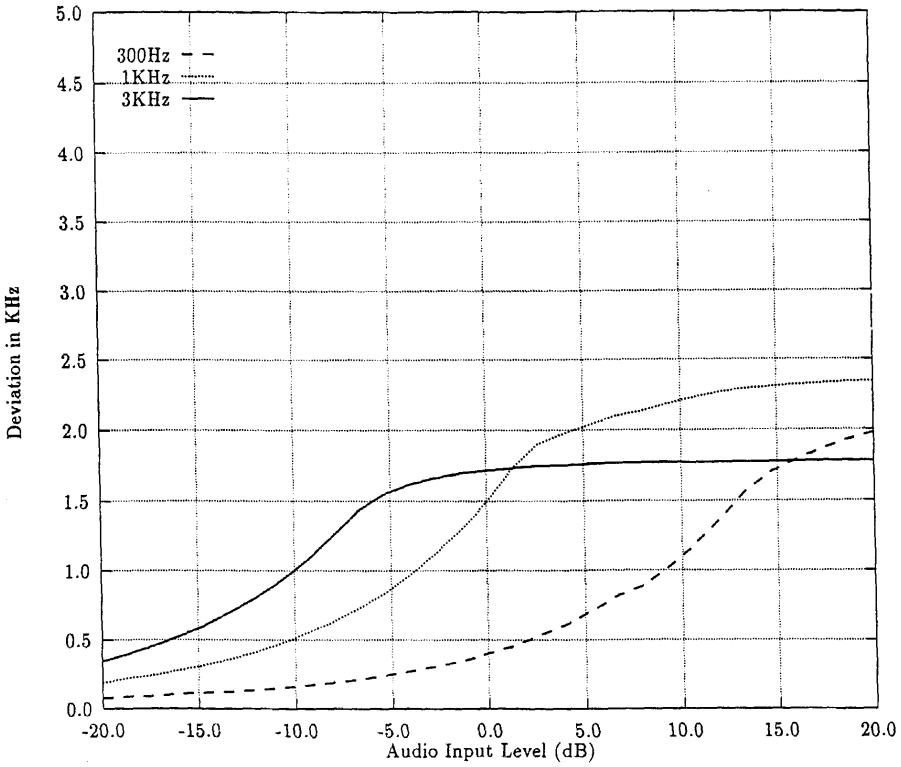
Transmit Audio Post Limiter Lowpass Filter Response - 12.5 kHz Channel Spacing



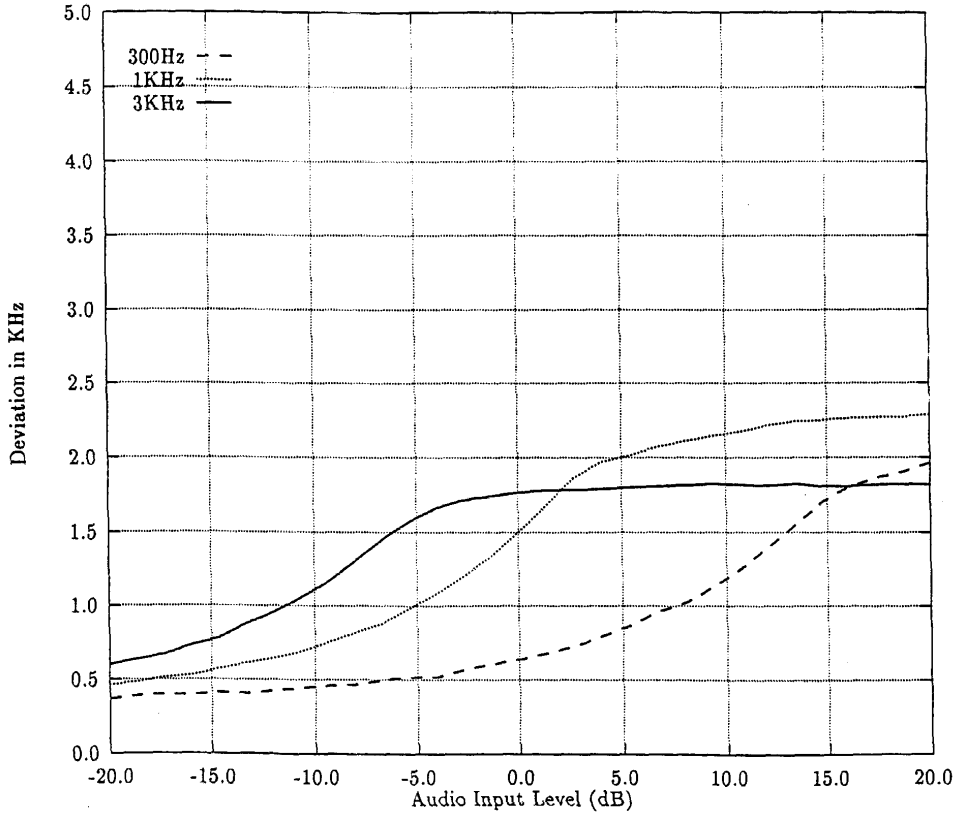
Transmit Audio Post Limiter Lowpass Filter Response - 25 kHz Channel Spacing



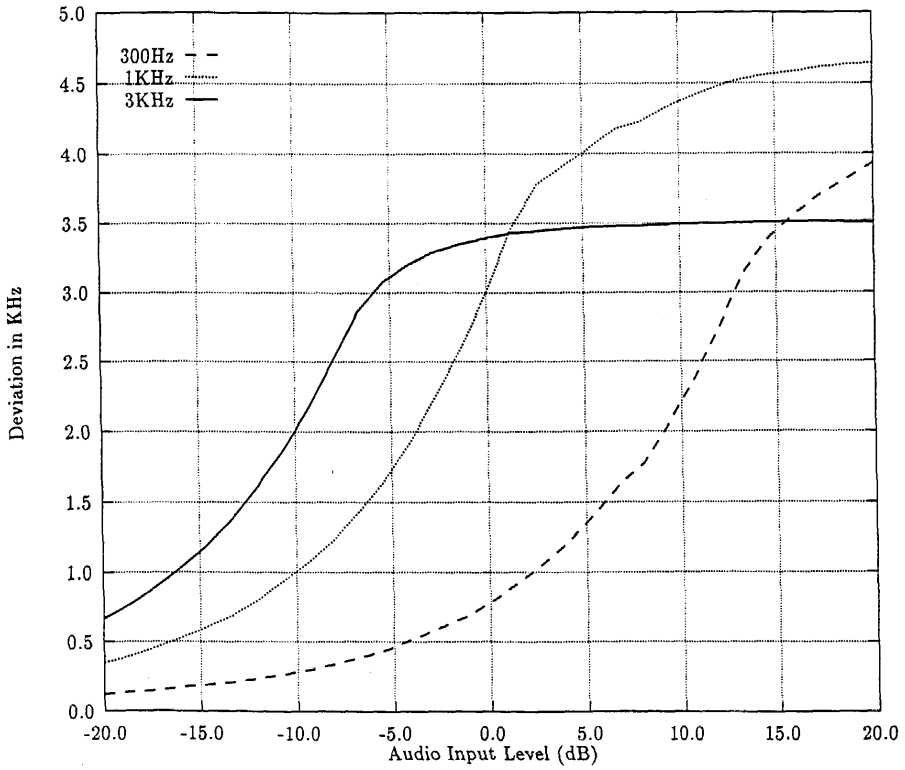
Modulation Limiting Characteristics - 12.5 kHz Channel Spacing, Carrier Squelch Mode



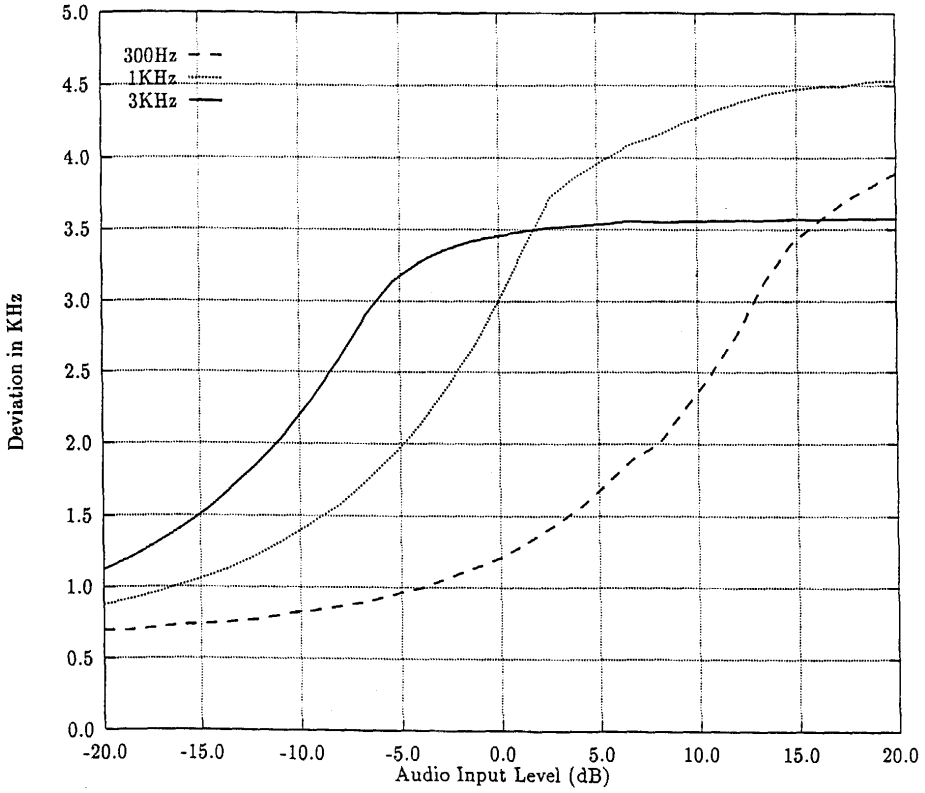
Modulation Limiting Characteristics - 12.5 kHz Channel Spacing, Tone Private Line (TPL) Mode



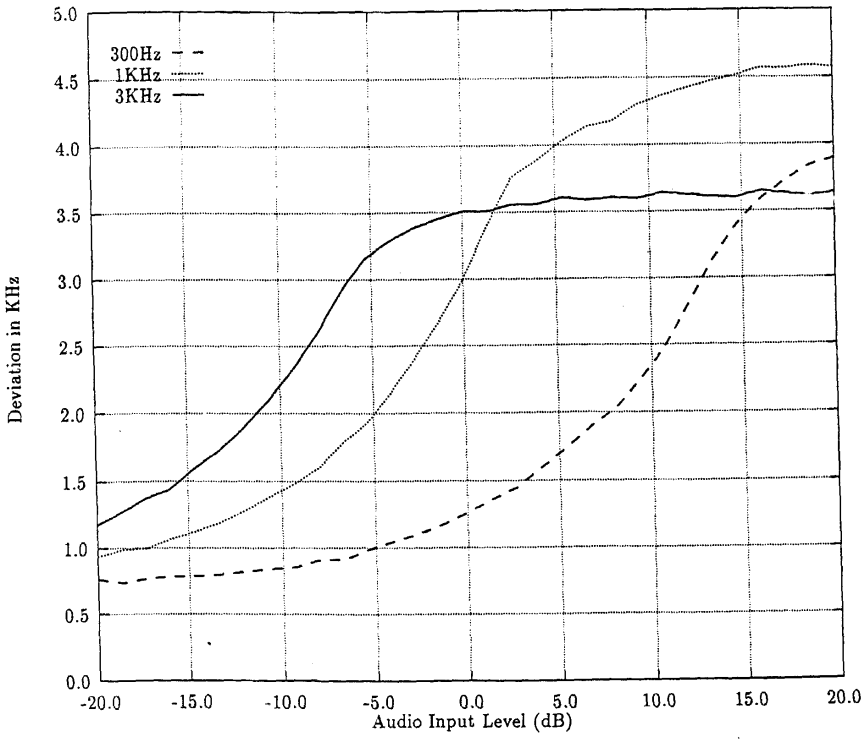
Modulation Limiting Characteristics - 12.5 kHz Channel Spacing, Digital Private Line (DPL) Mode



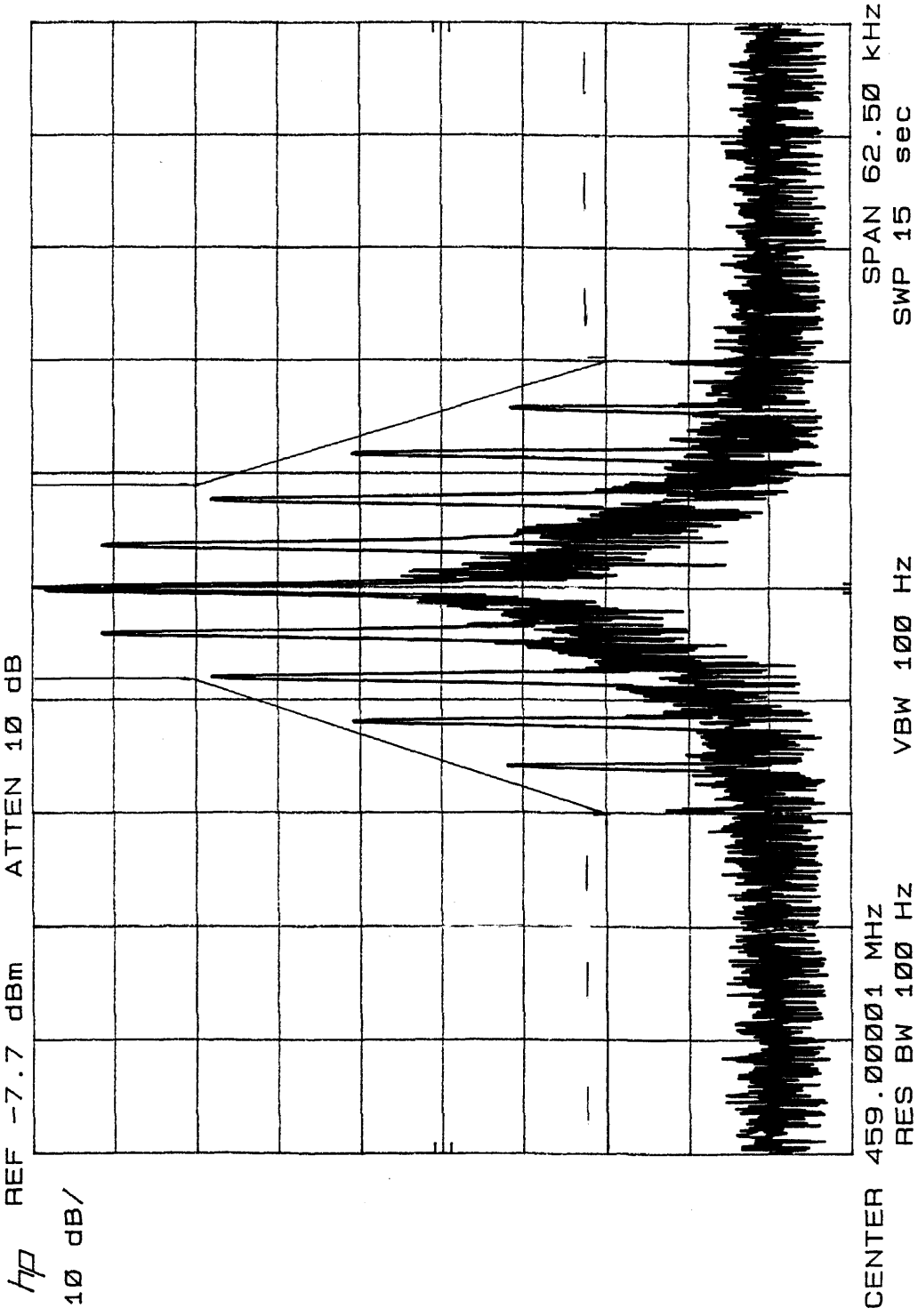
Modulation Limiting Characteristics - 25 kHz Channel Spacing, Carrier Squelch Mode



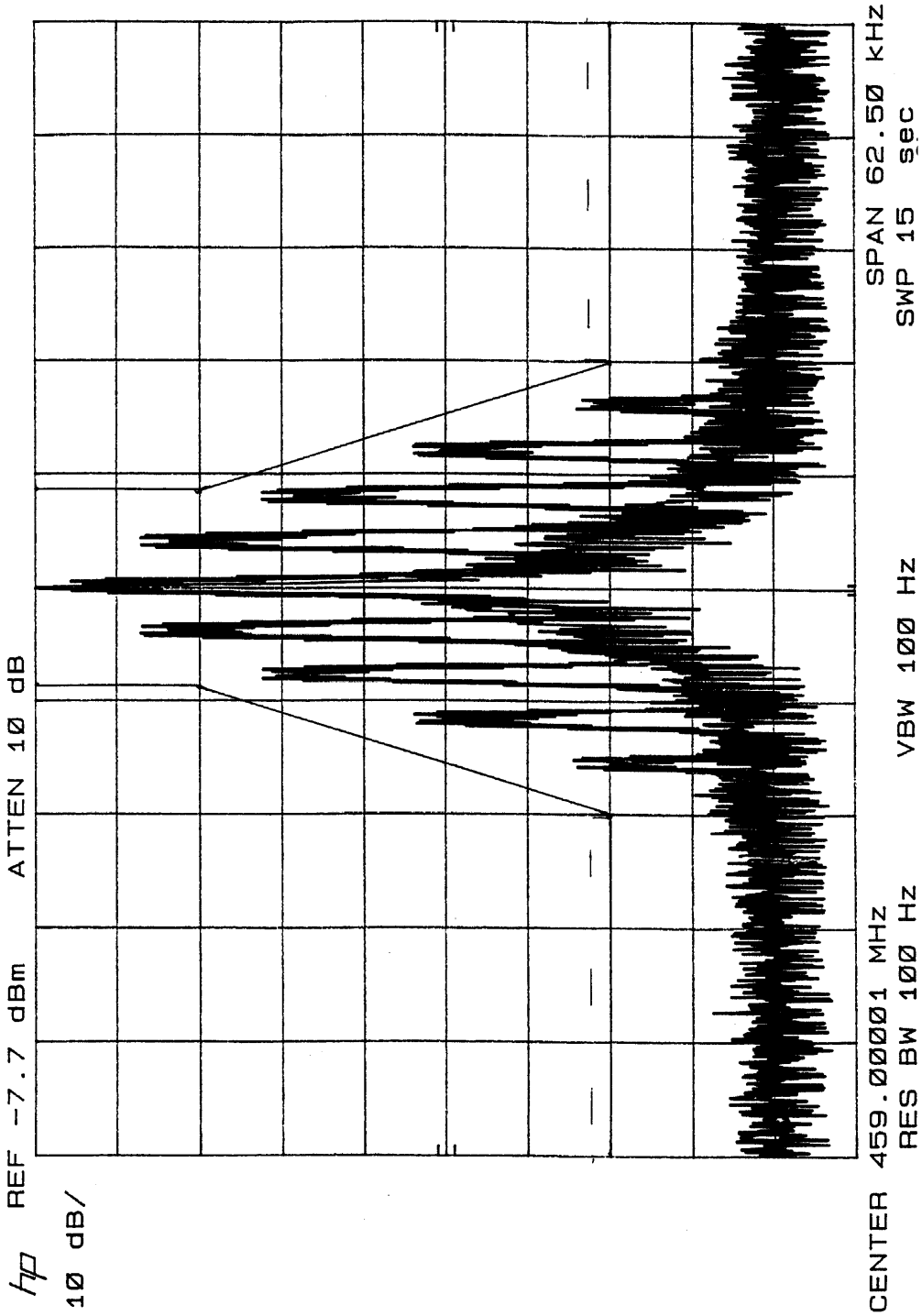
Modulation Limiting Characteristics - 25 kHz Channel Spacing, Digital Private Line (DPL) Mode



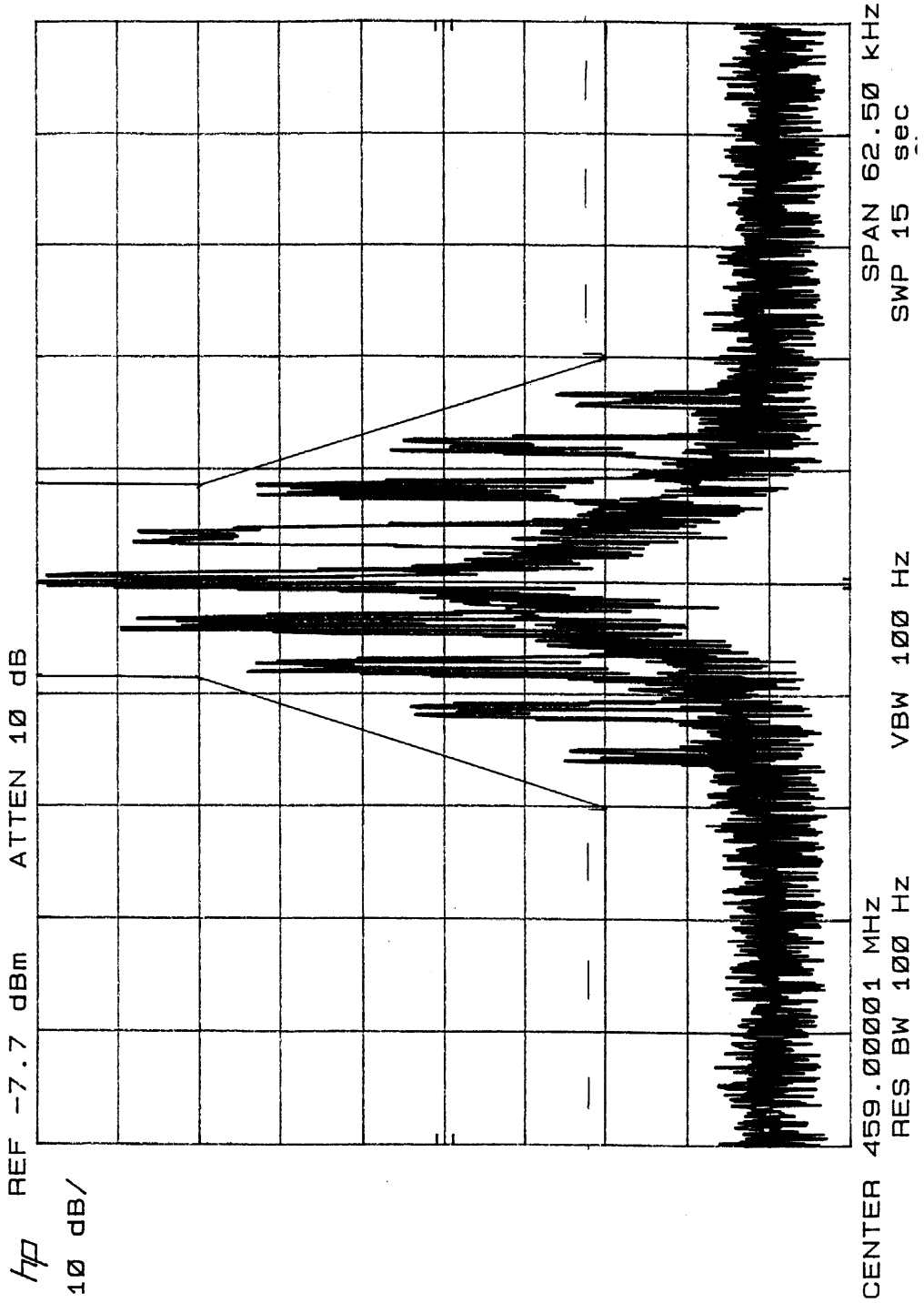
Modulation Limiting Characteristics - 25 kHz Channel Spacing, Tone Private Line (TPL) Mode



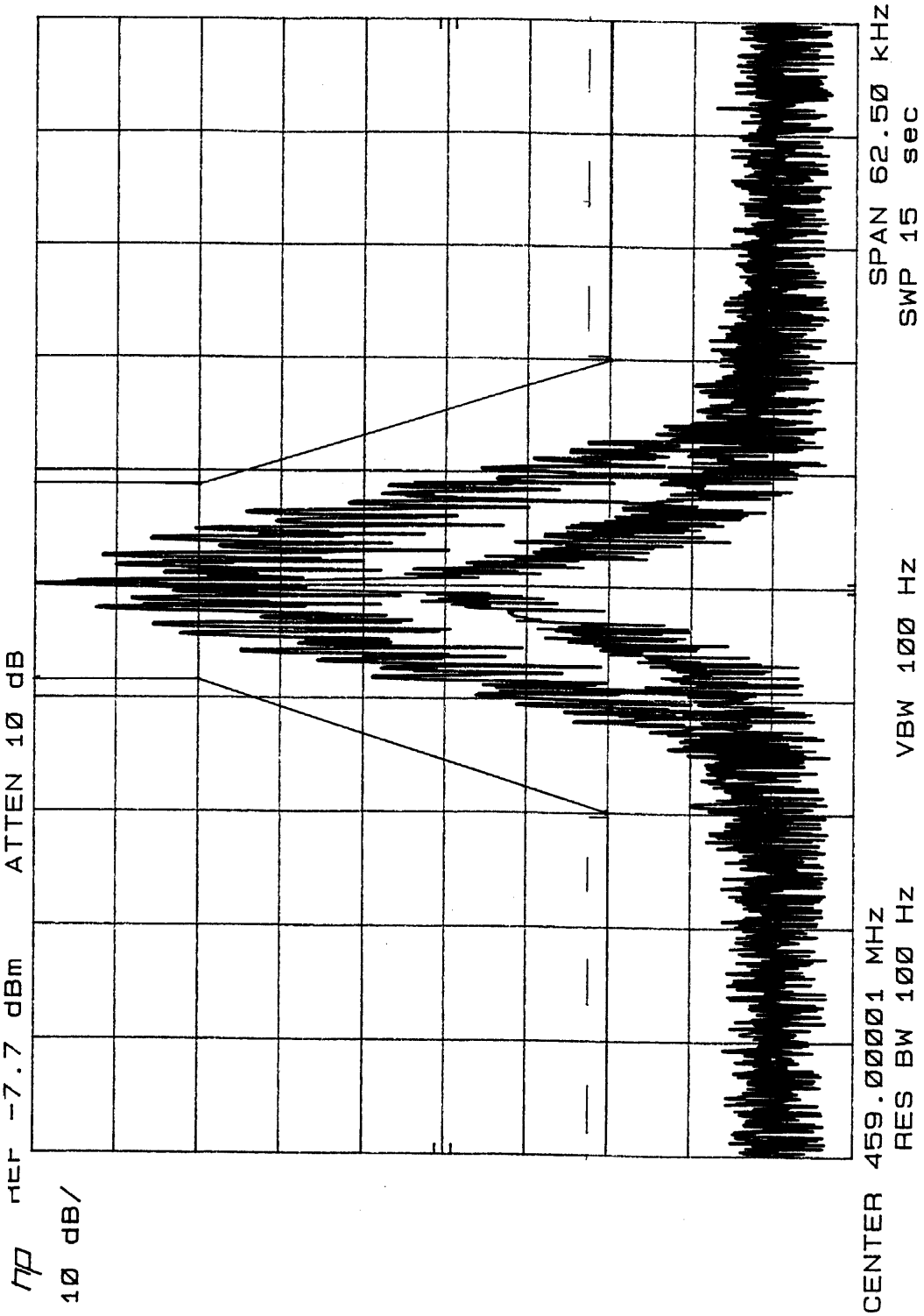
Occupied Bandwidth - 12.5 kHz 2500 Hz Audio Modulation Only



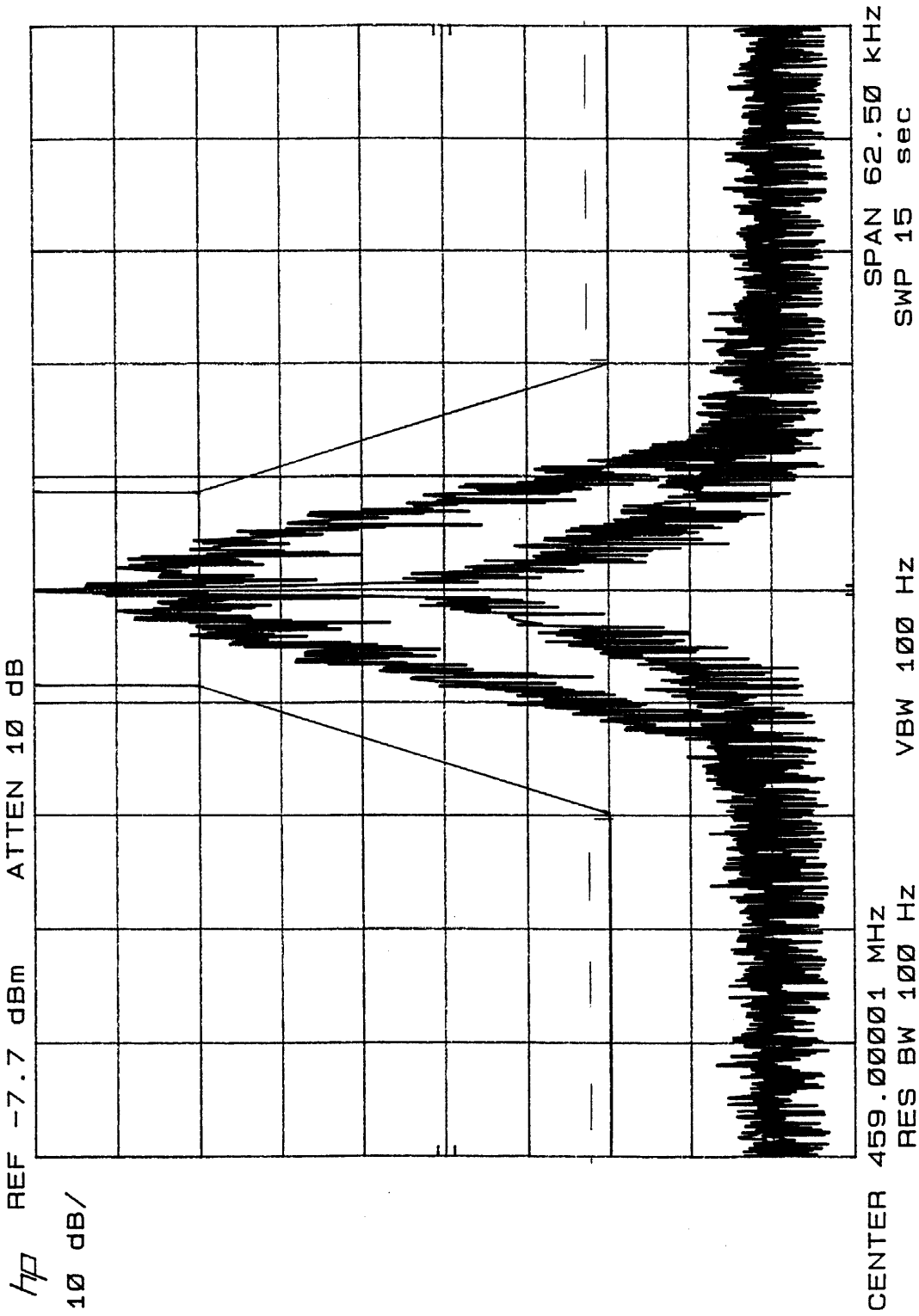
Occupied Bandwidth - 12.5 kHz 2500 Hz Audio and PL Tone Modulation



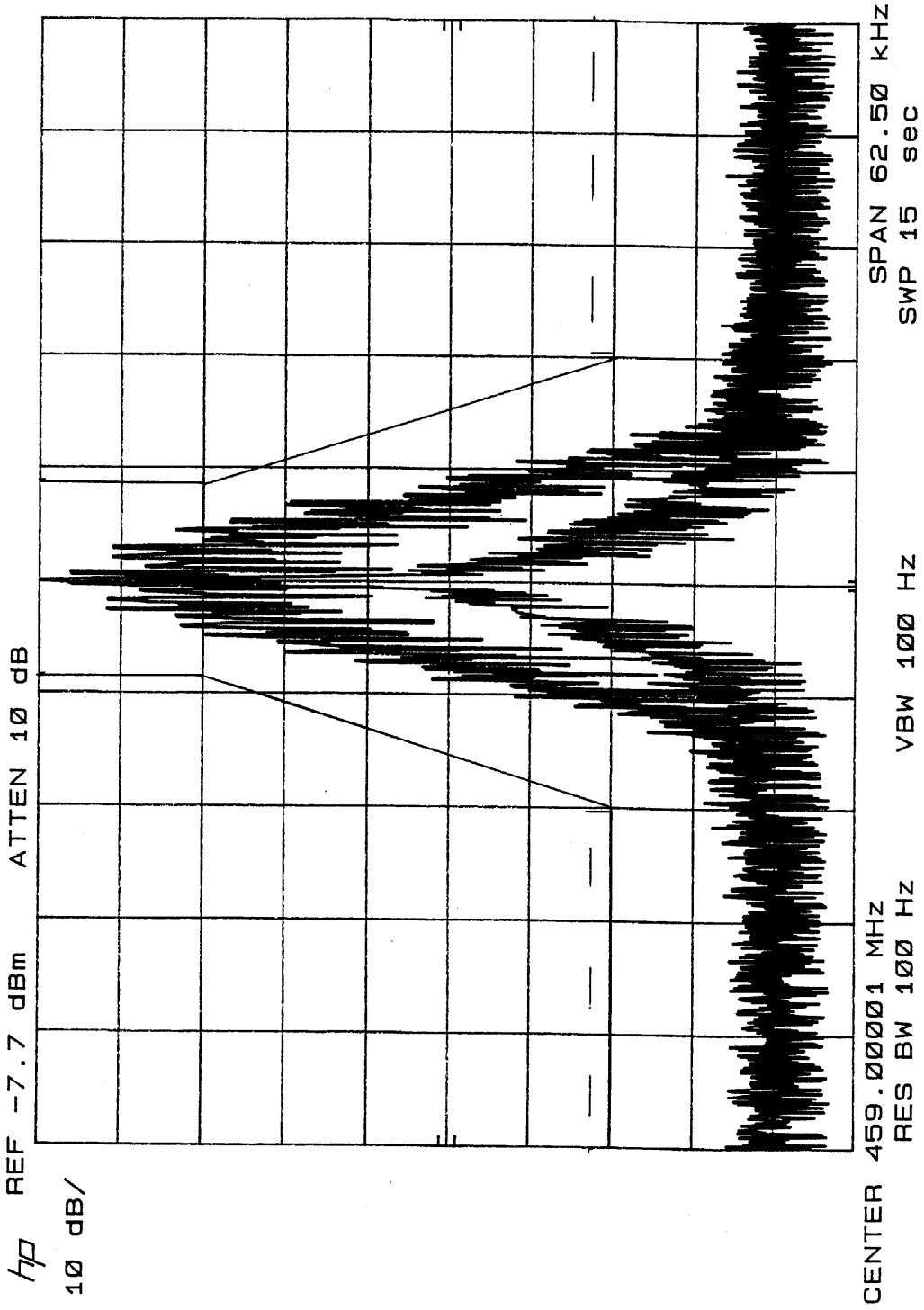
Occupied Bandwidth - 12.5 kHz 2500 Hz Audio and DPL Modulation



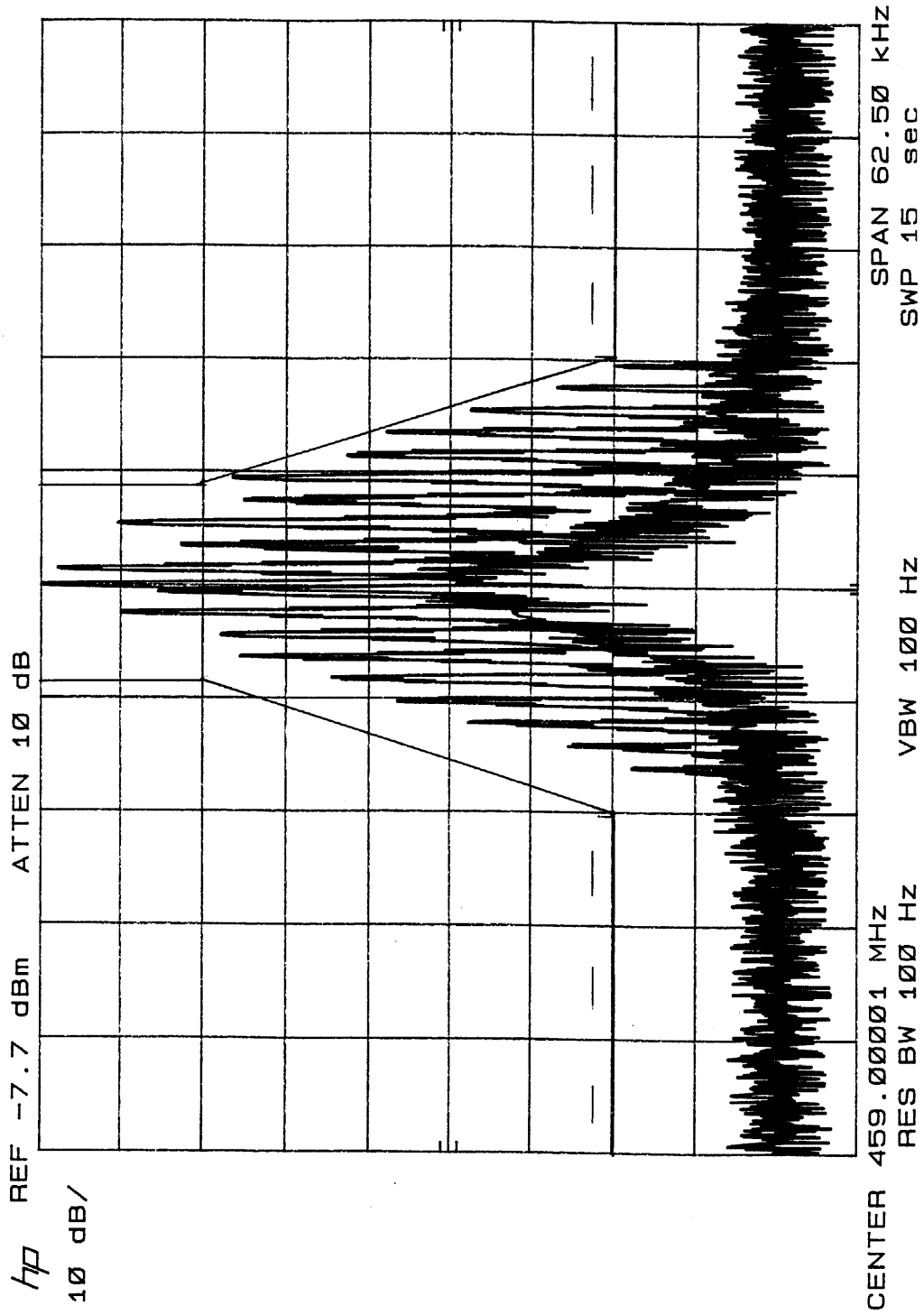
Occupied Bandwidth - 12.5 kHz DTMF Modulation Only



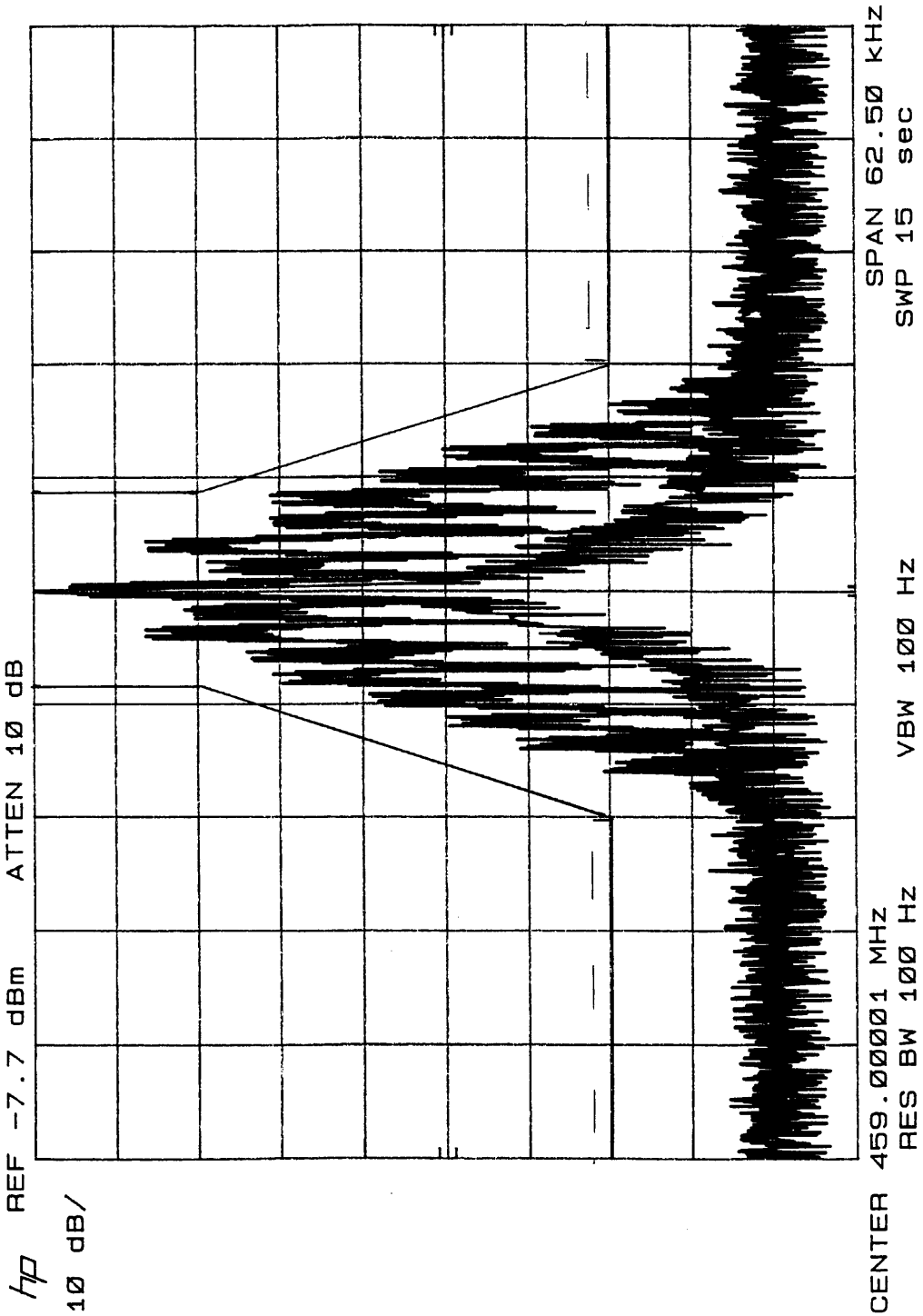
Occupied Bandwidth - 12.5 kHz DTMF Modulation and PL Tone Modulation



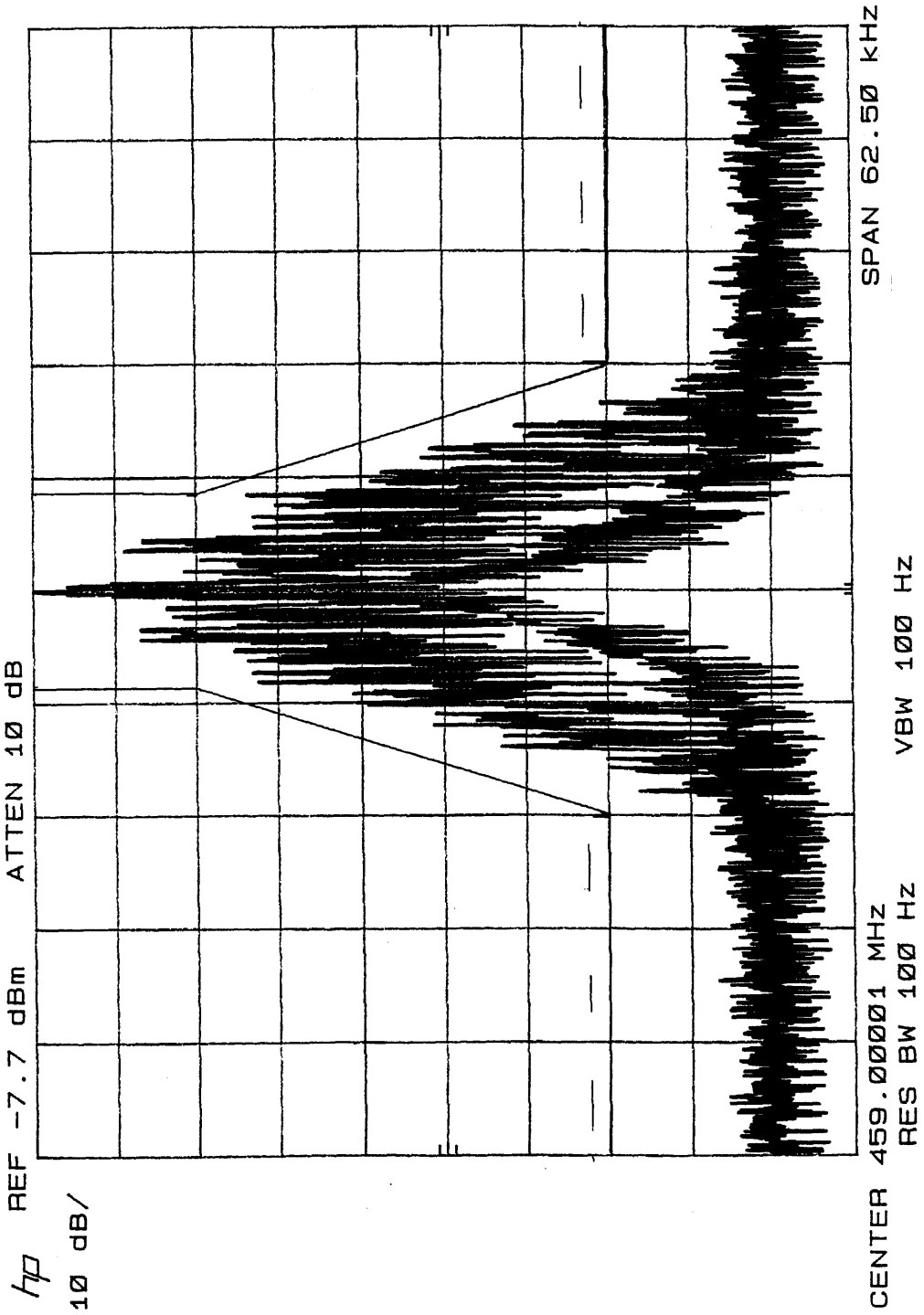
Occupied Bandwidth - 12.5 kHz DTMF Modulation and DPL Modulation



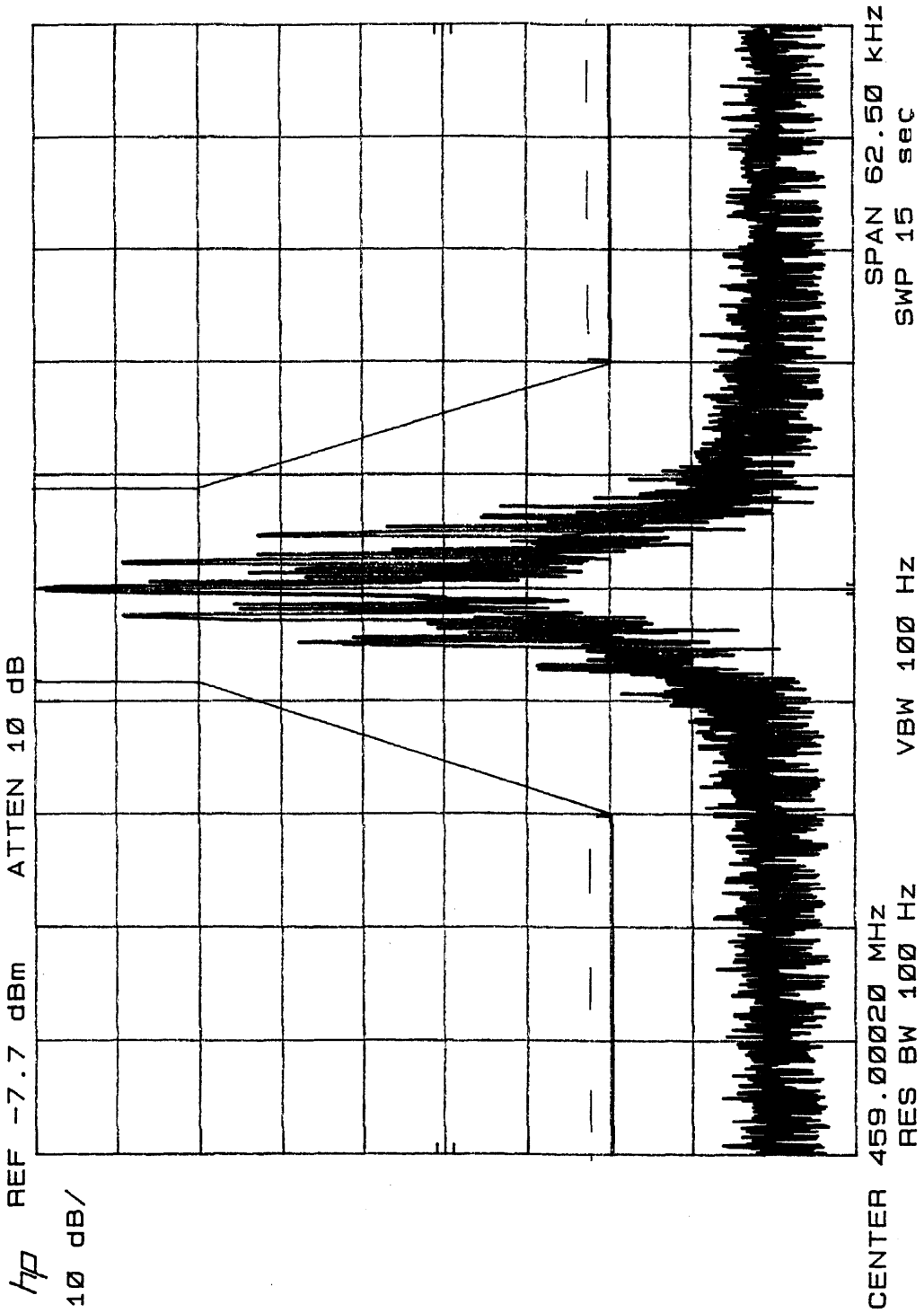
Occupied Bandwidth - 12.5 kHz 2000/3000 Hz FSK Data Modulation Only



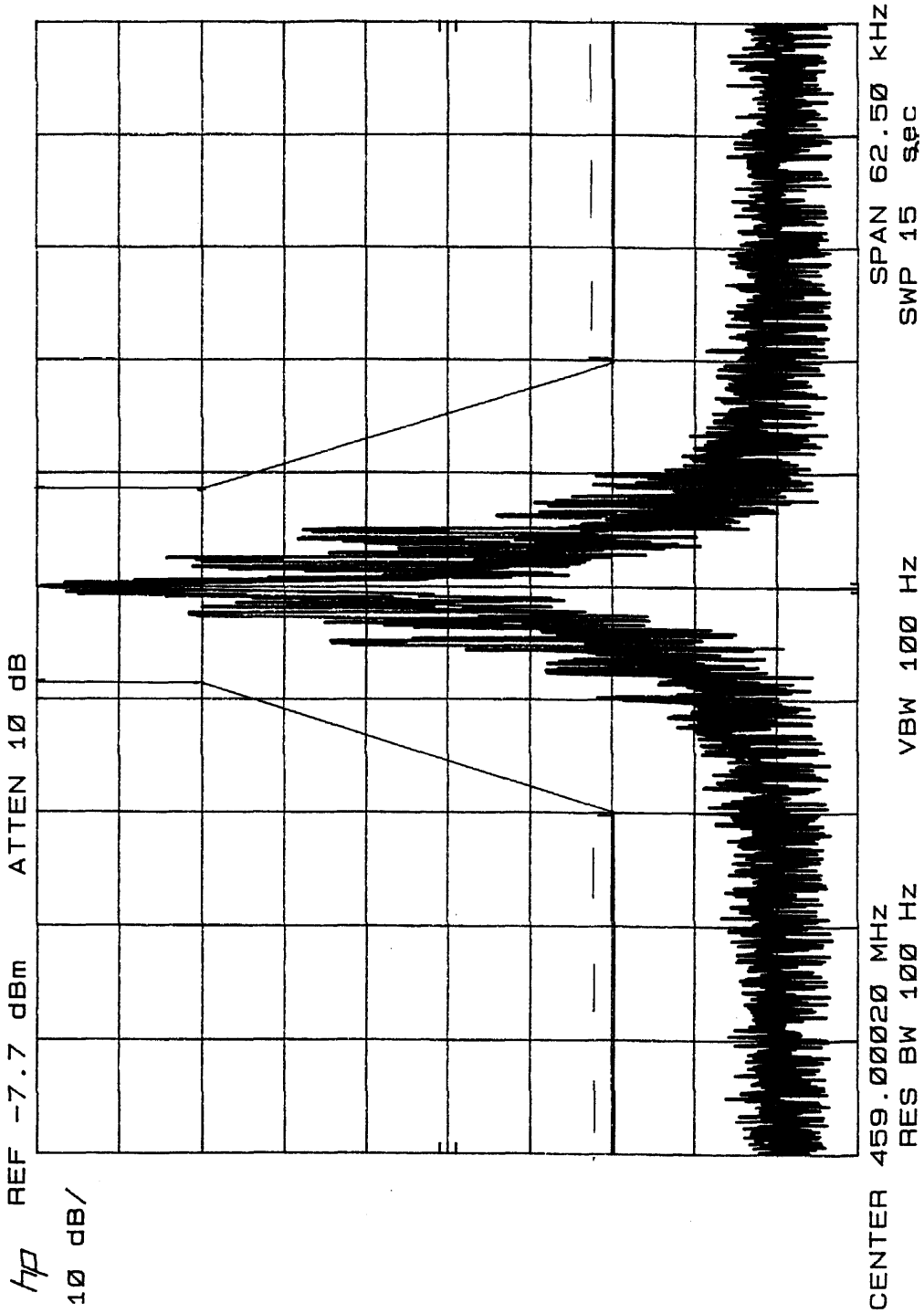
Occupied Bandwidth - 12.5 kHz 2000/3000 Hz FSK Data and PL Tone Modulation



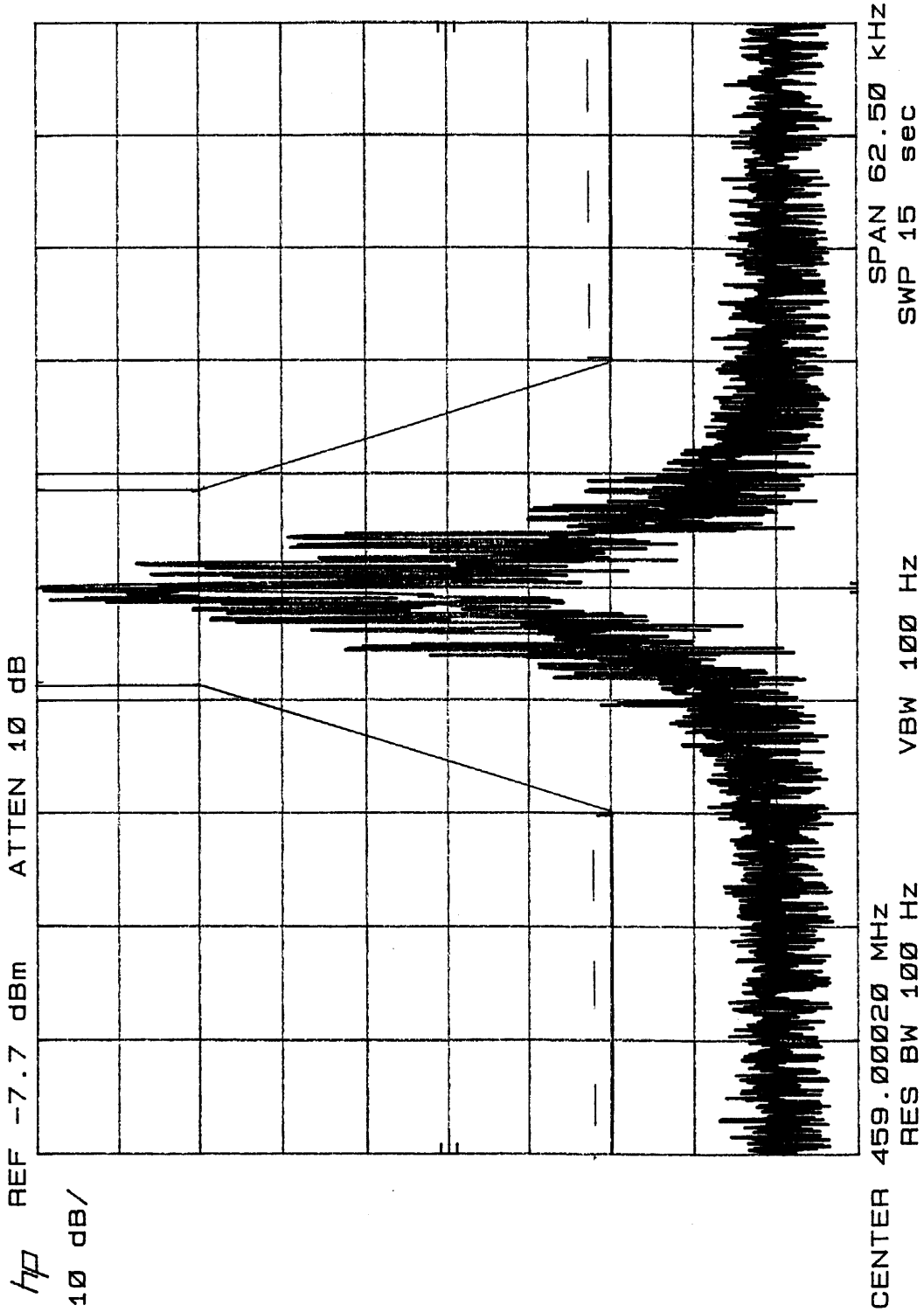
Occupied Bandwidth - 12.5 kHz 2000/3000 Hz FSK Data and DPL Modulation



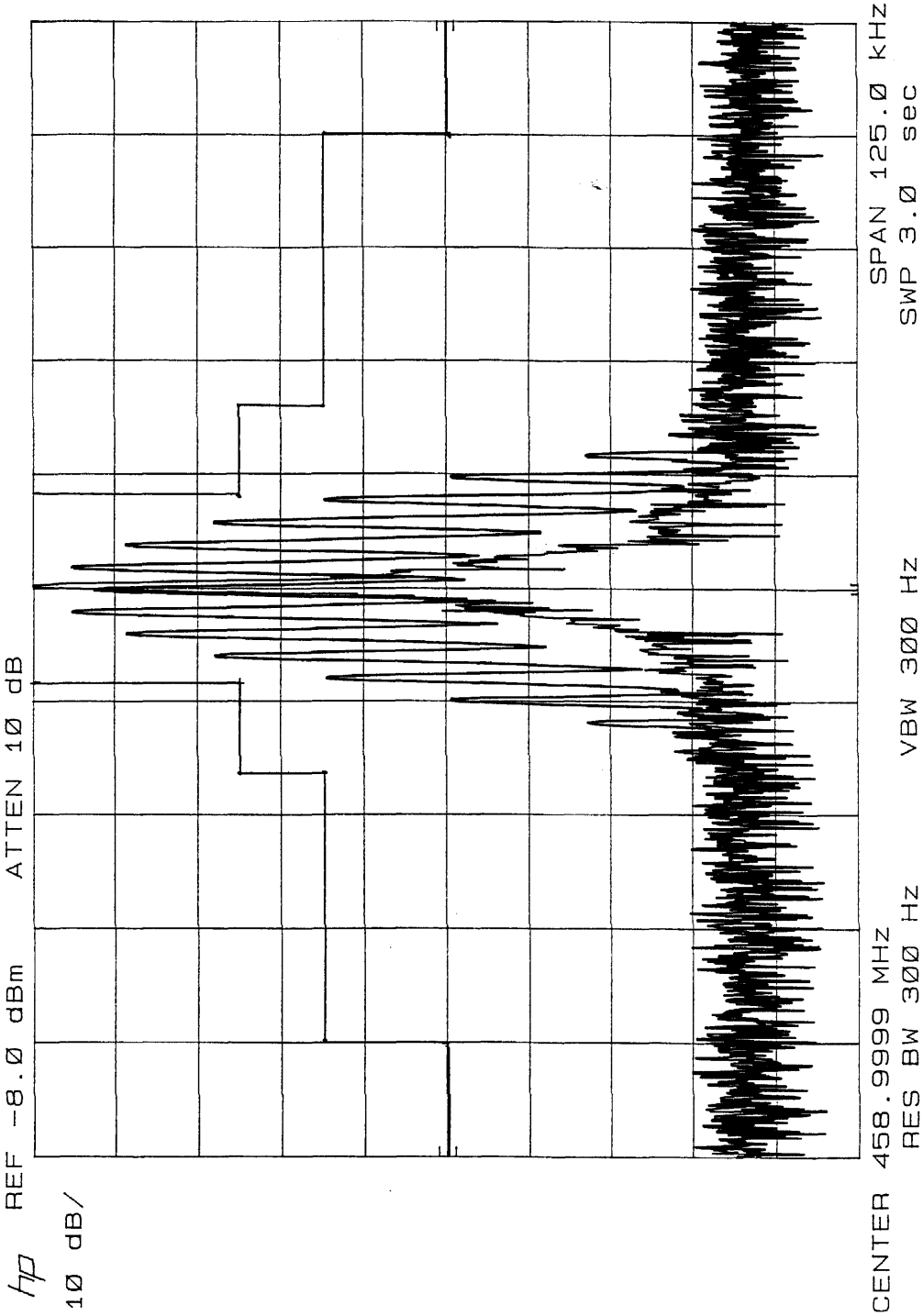
Occupied Bandwidth - 12.5 kHz CWID Modulation



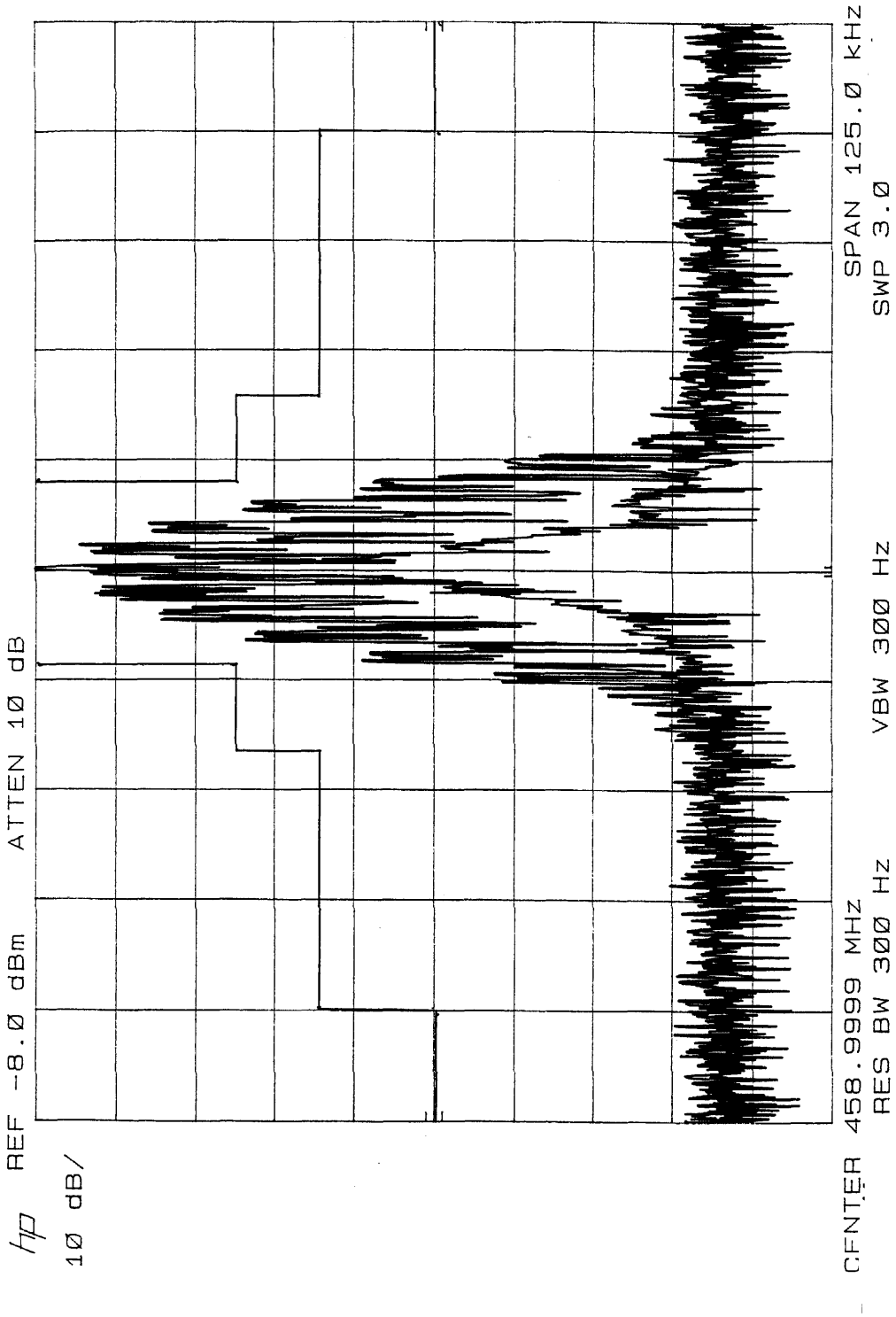
Occupied Bandwidth - 12.5 kHz CWID Modulation and PL Tone Modulation



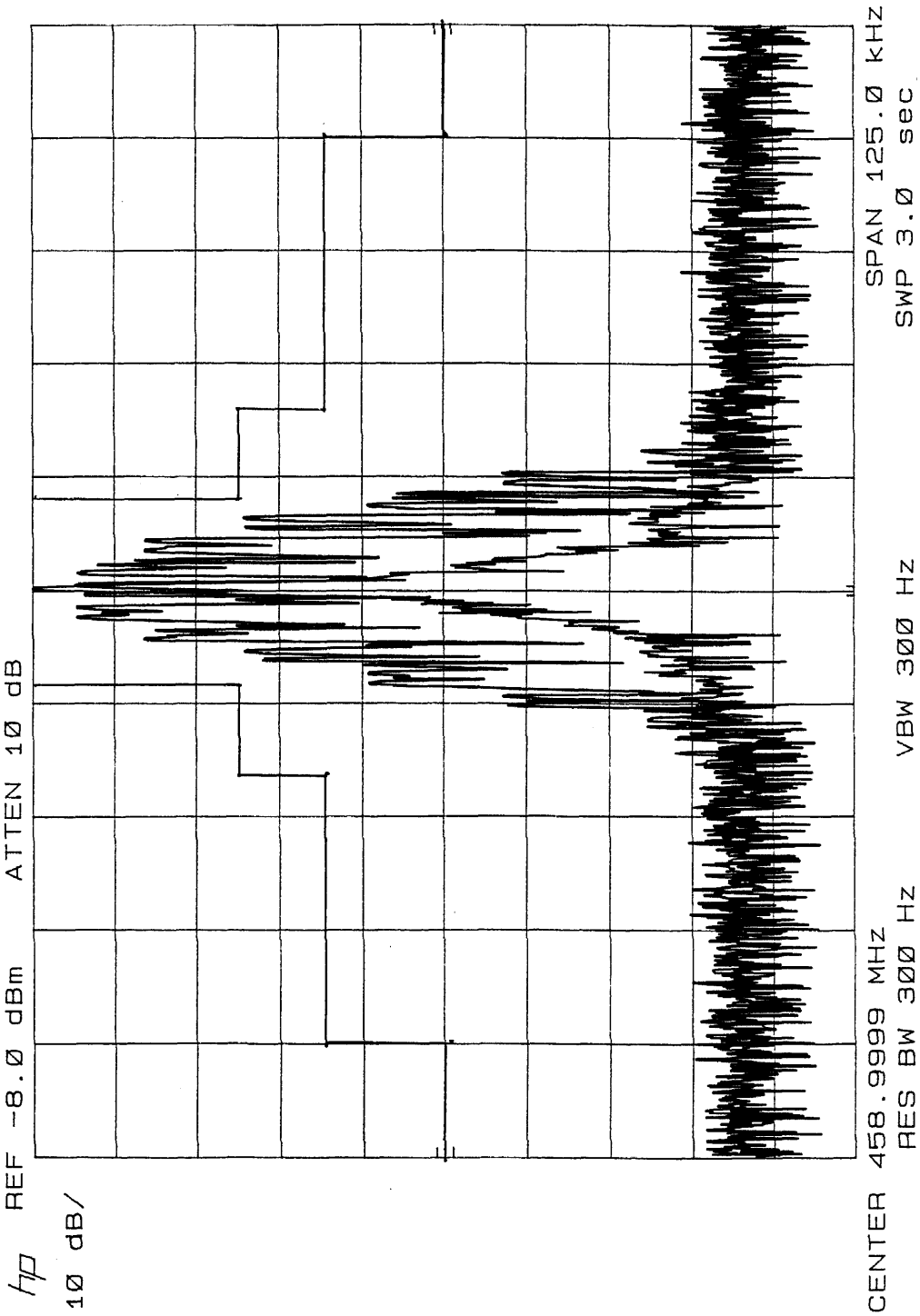
Occupied Bandwidth - 12.5 kHz CWID Modulation and DPL Modulation



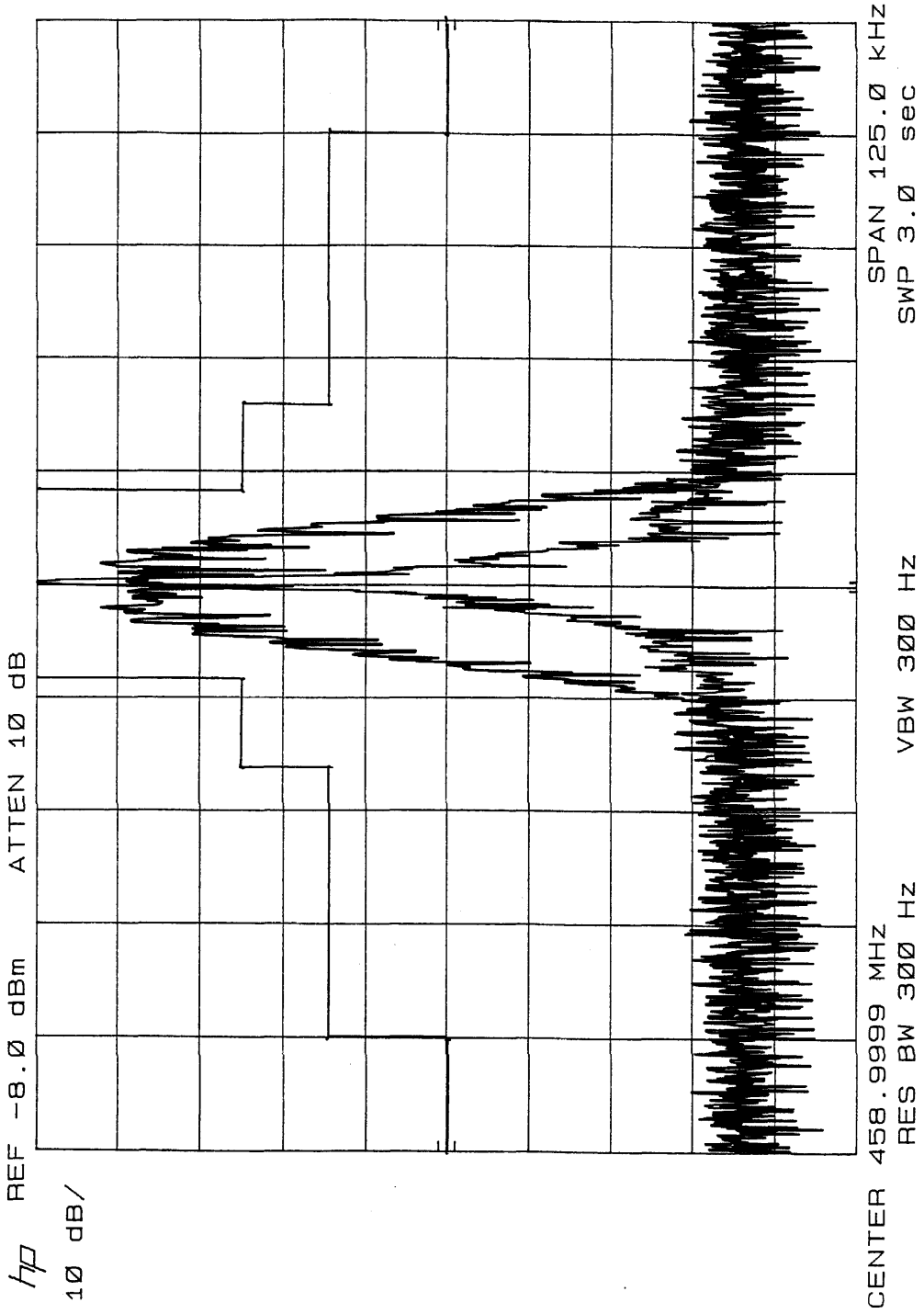
Occupied Bandwidth - 25 kHz 2500 Hz Audio Modulation Only



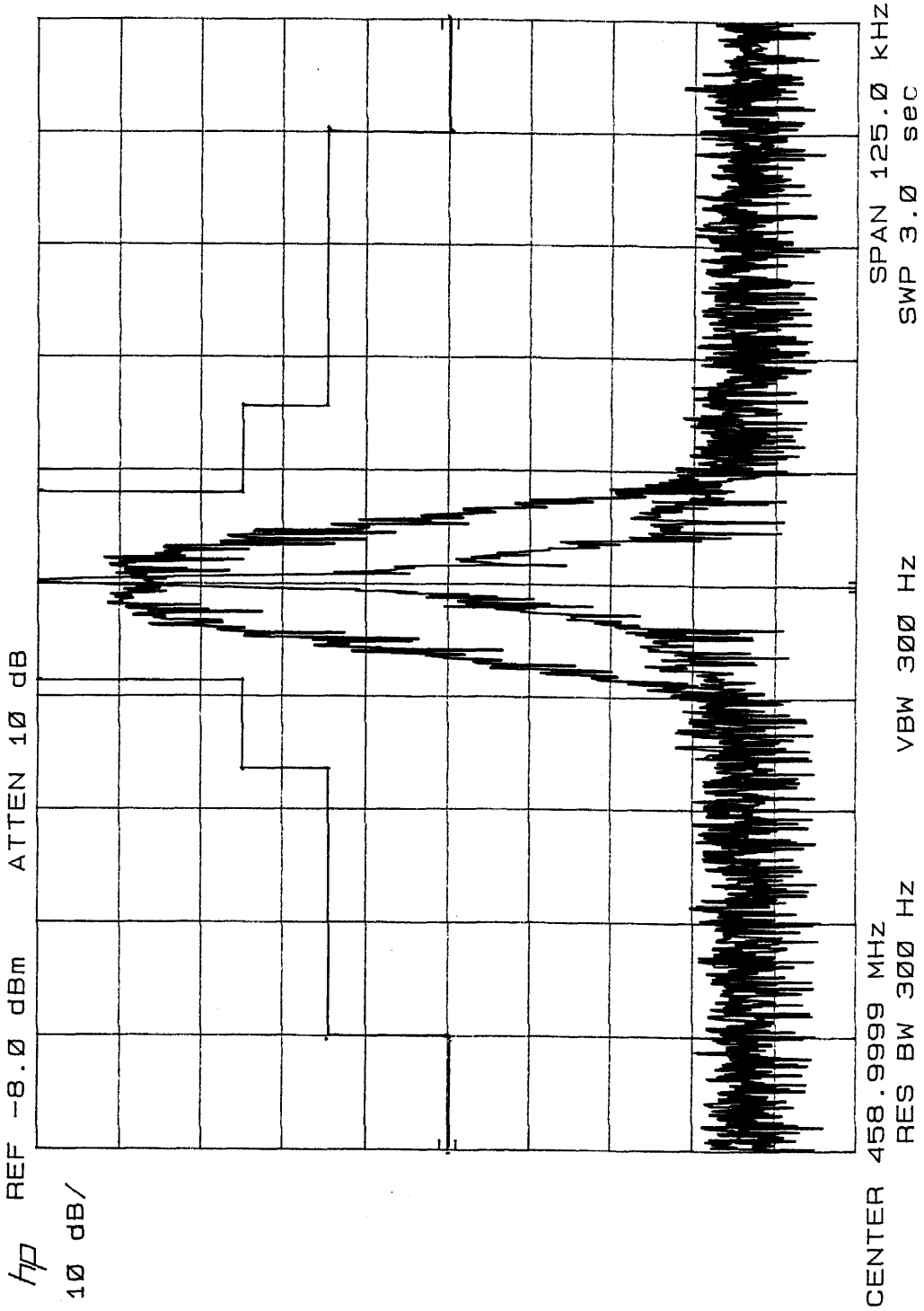
Occupied Bandwidth - 25 kHz 2500 Hz Audio and PL Tone Modulation



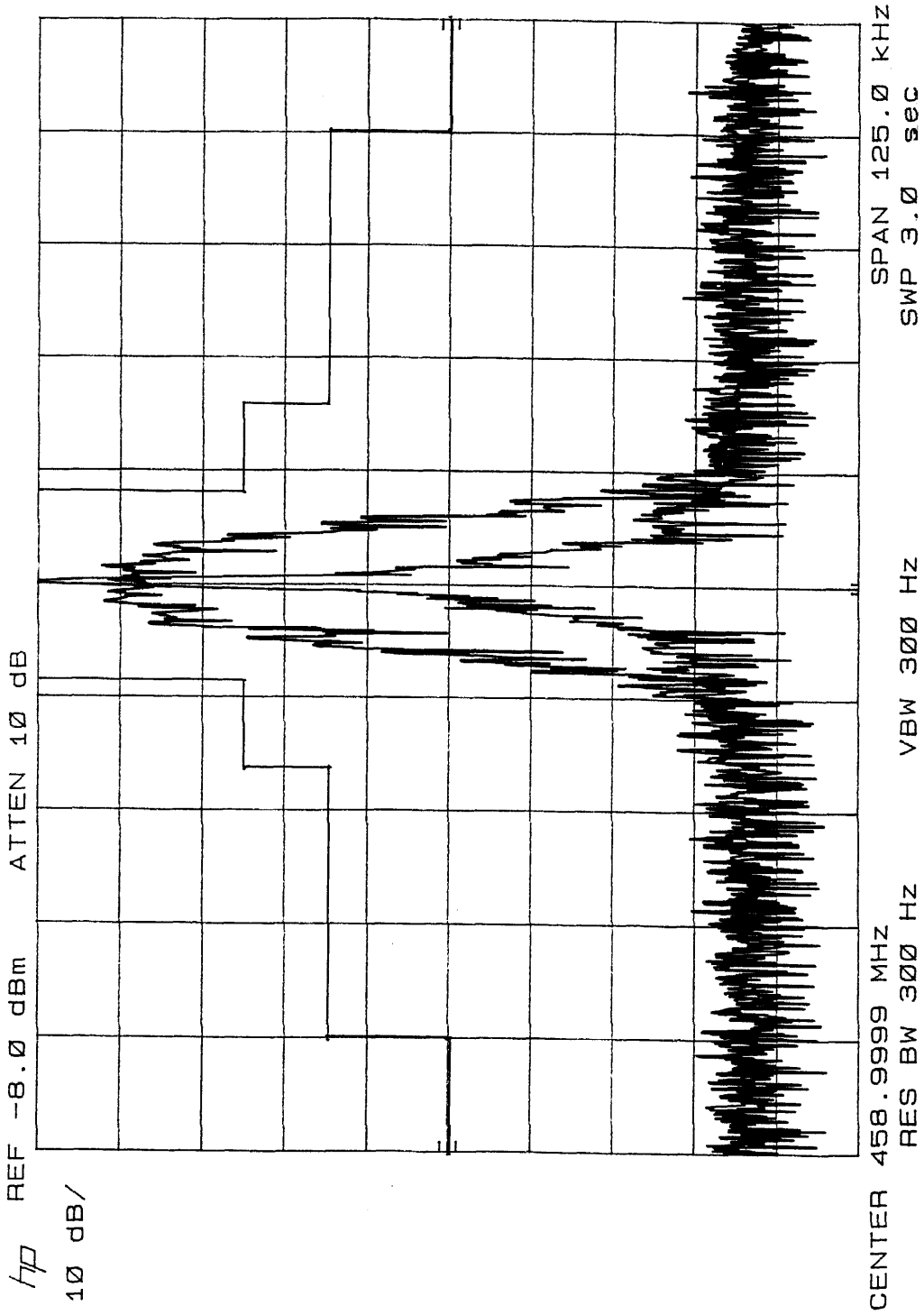
Occupied Bandwidth - 25 kHz 2500 Hz Audio and DPL Modulation



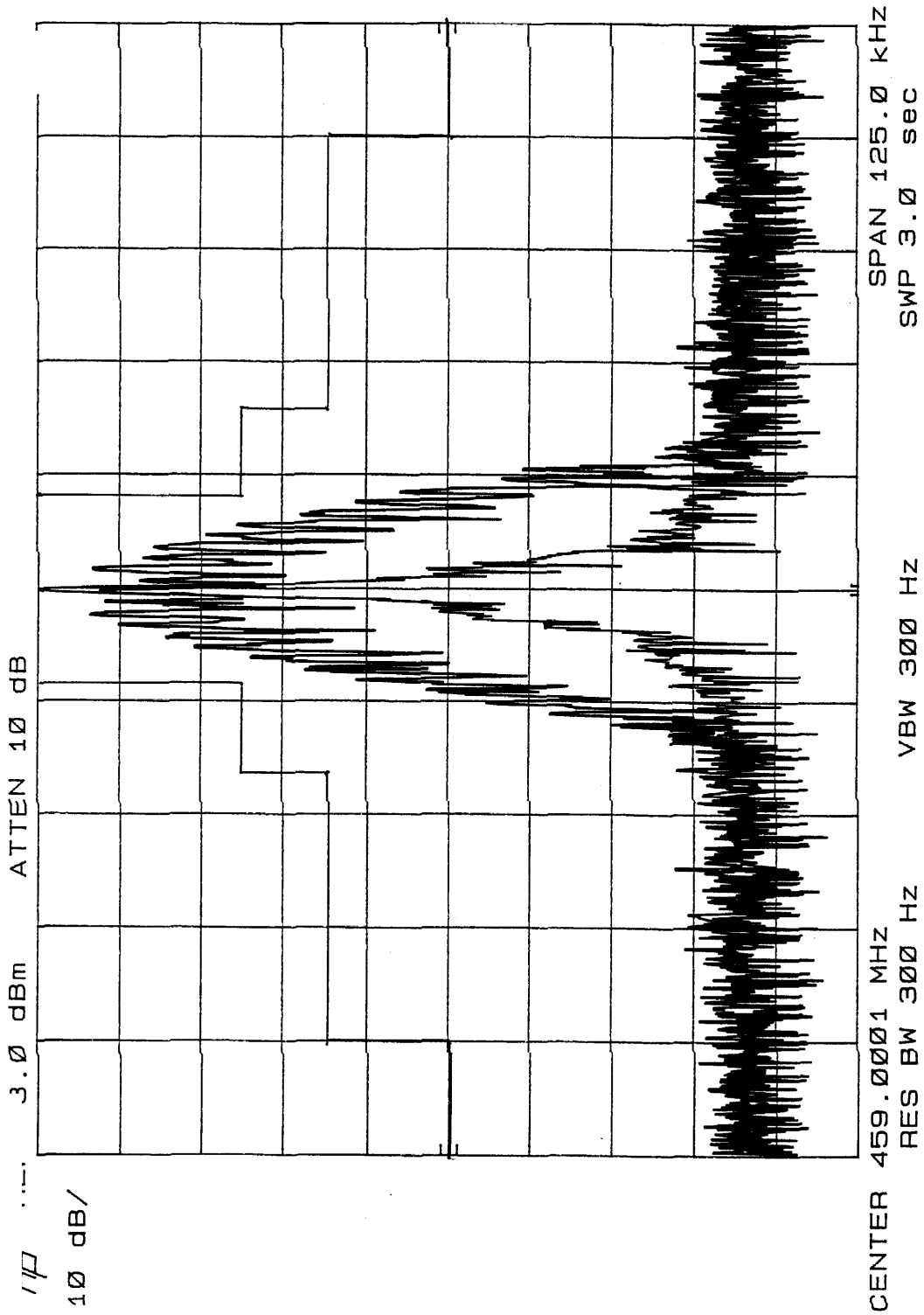
Occupied Bandwidth - 25 kHz DTMF Modulation Only



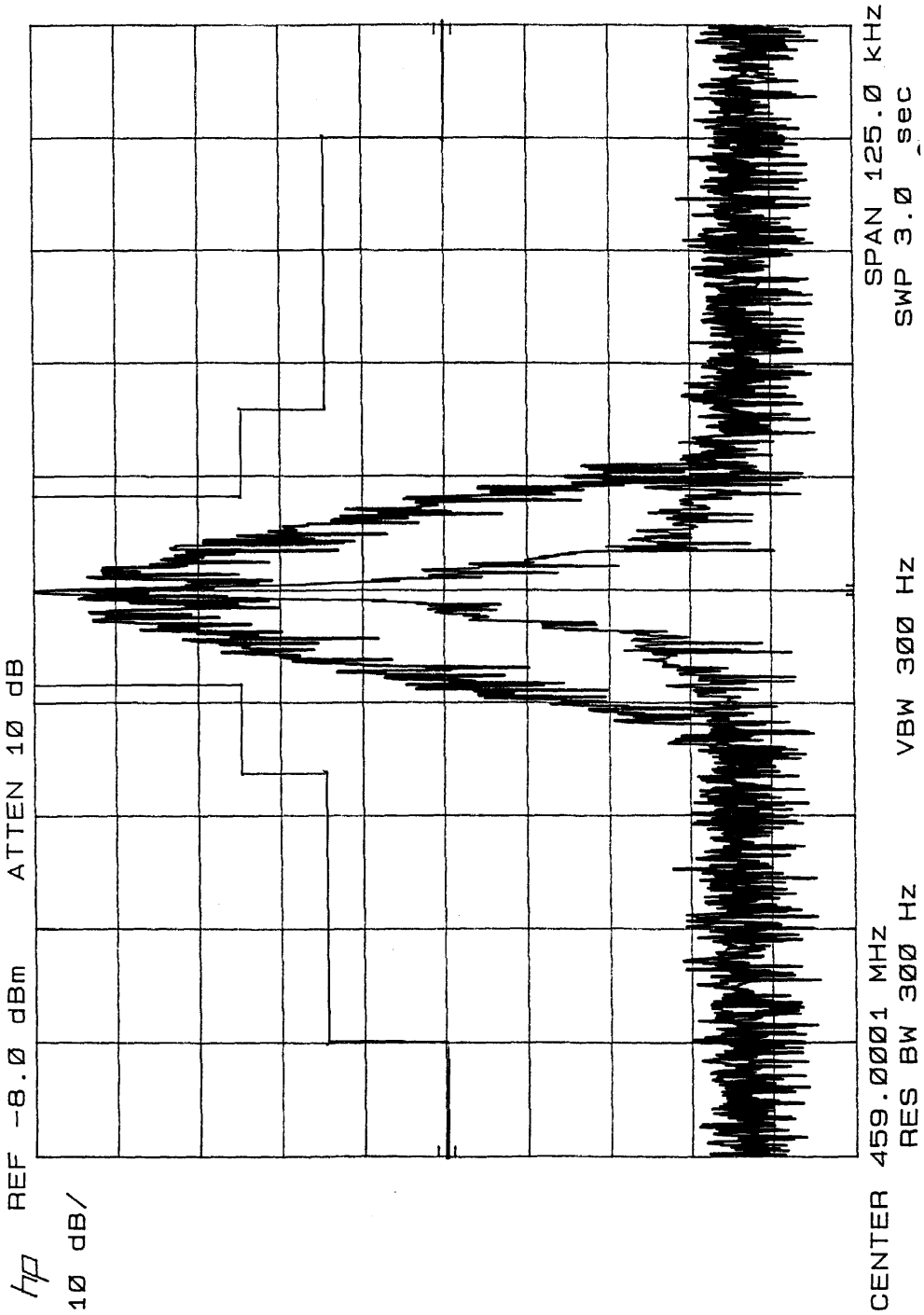
Occupied Bandwidth - 25 kHz DTMF Modulation and PL Tone Modulation



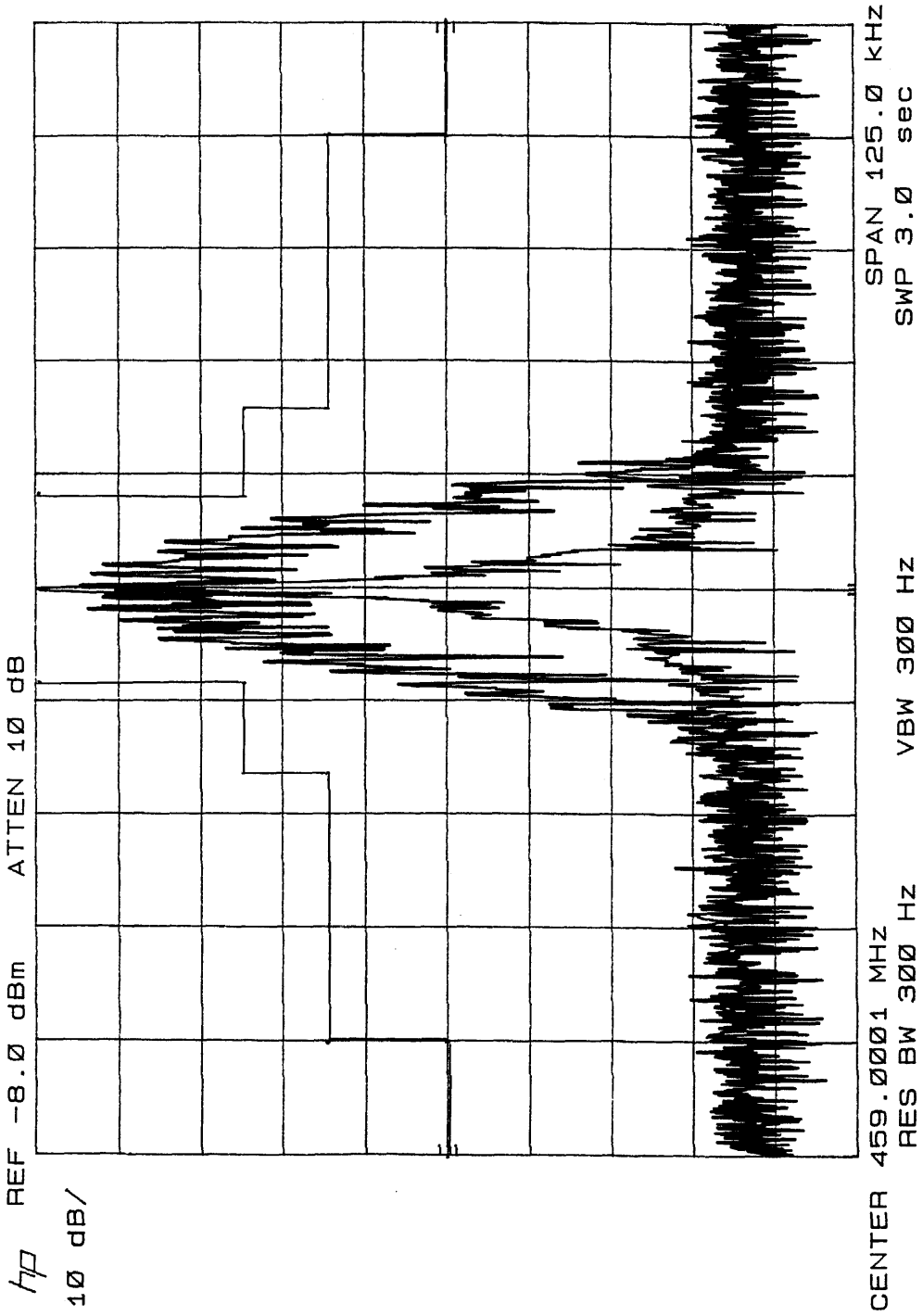
Occupied Bandwidth - 25 kHz DTMF Modulation and DPL Modulation



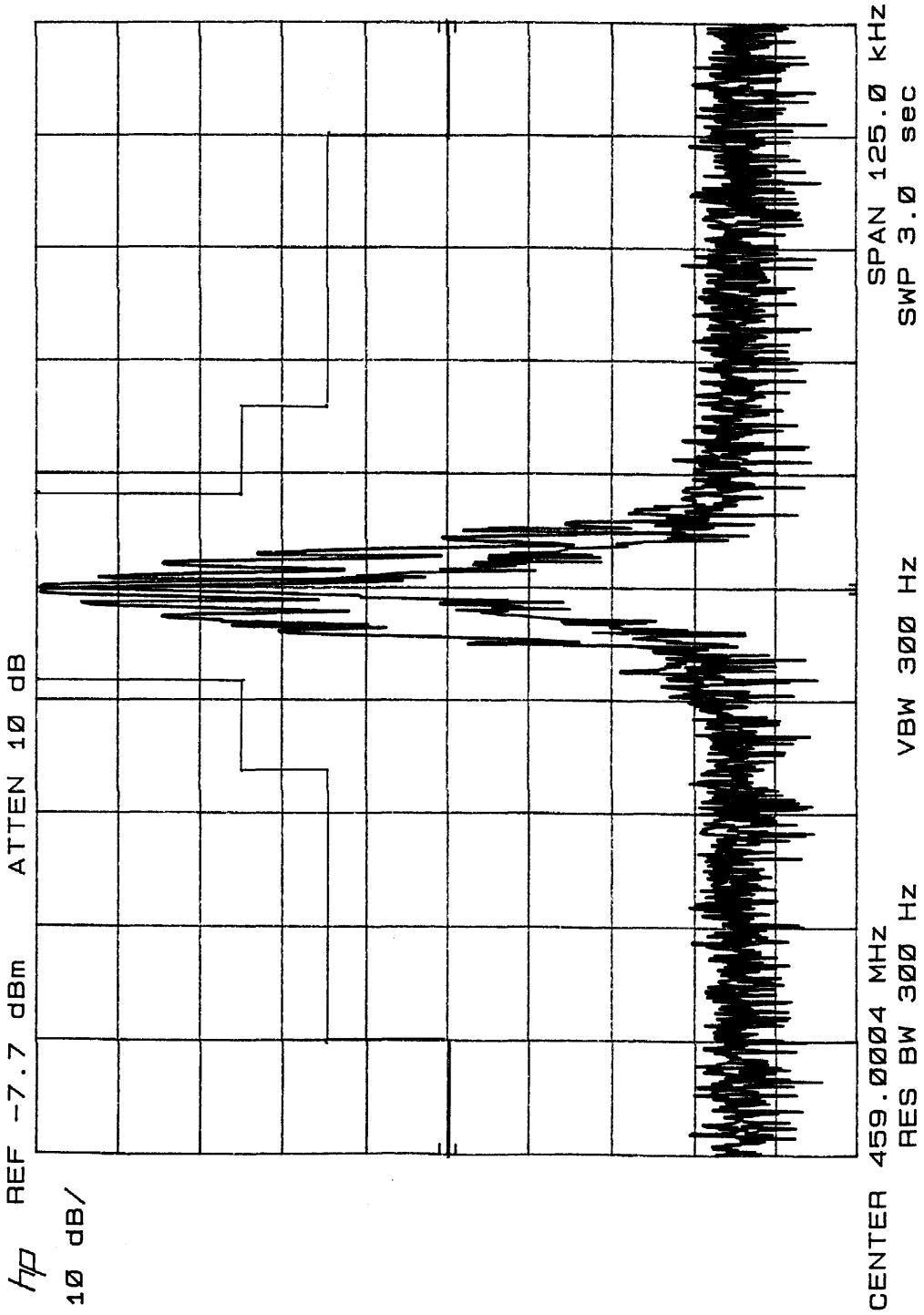
Occupied Bandwidth - 25 kHz 2000/3000 Hz FSK Data Modulation Only



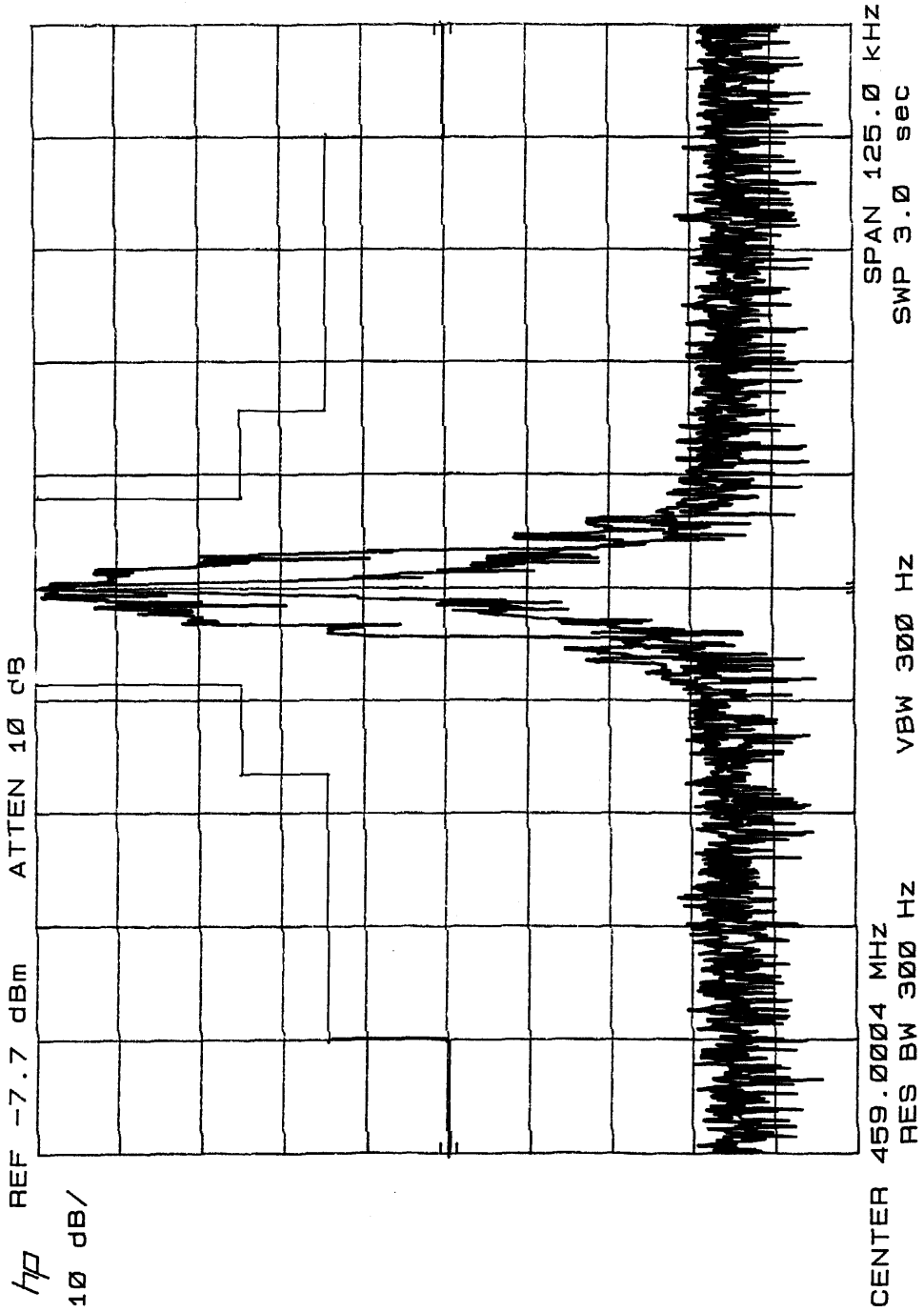
Occupied Bandwidth - 25 kHz 2000/3000 Hz FSK Data and PL Tone Modulation



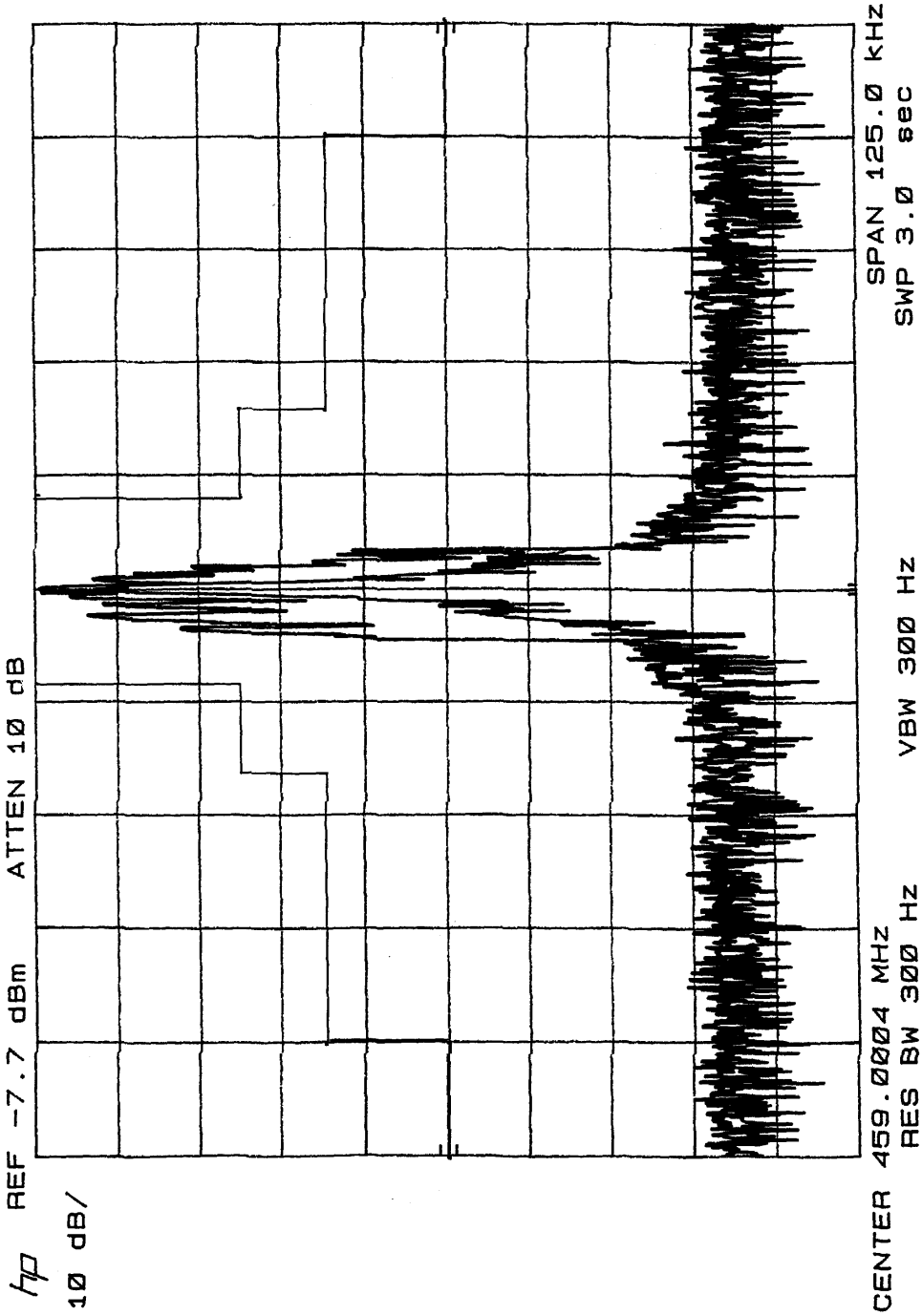
Occupied Bandwidth - 25 kHz 2000/3000 Hz FSK Data and DPL Modulation



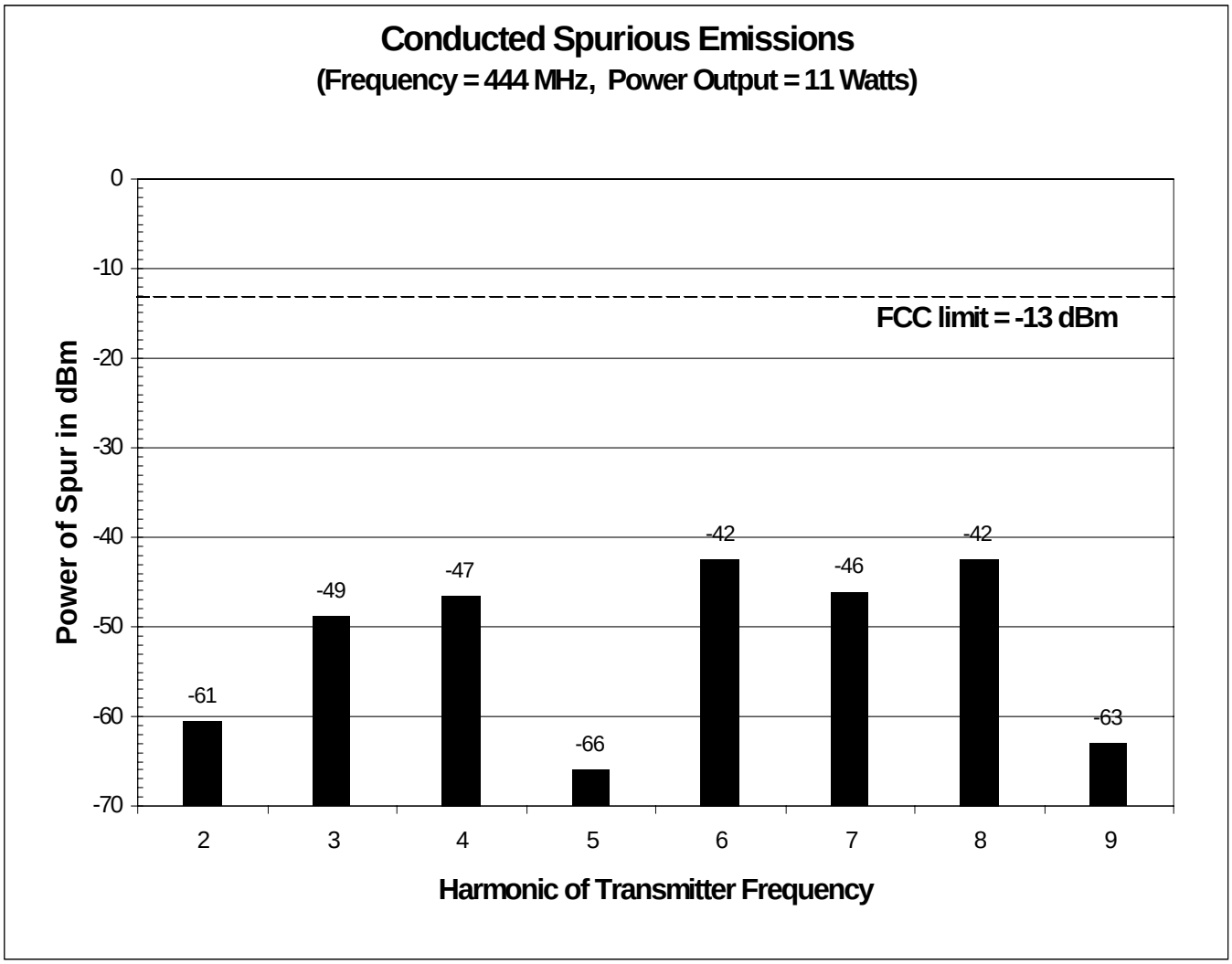
Occupied Bandwidth - 25 kHz CWID Modulation

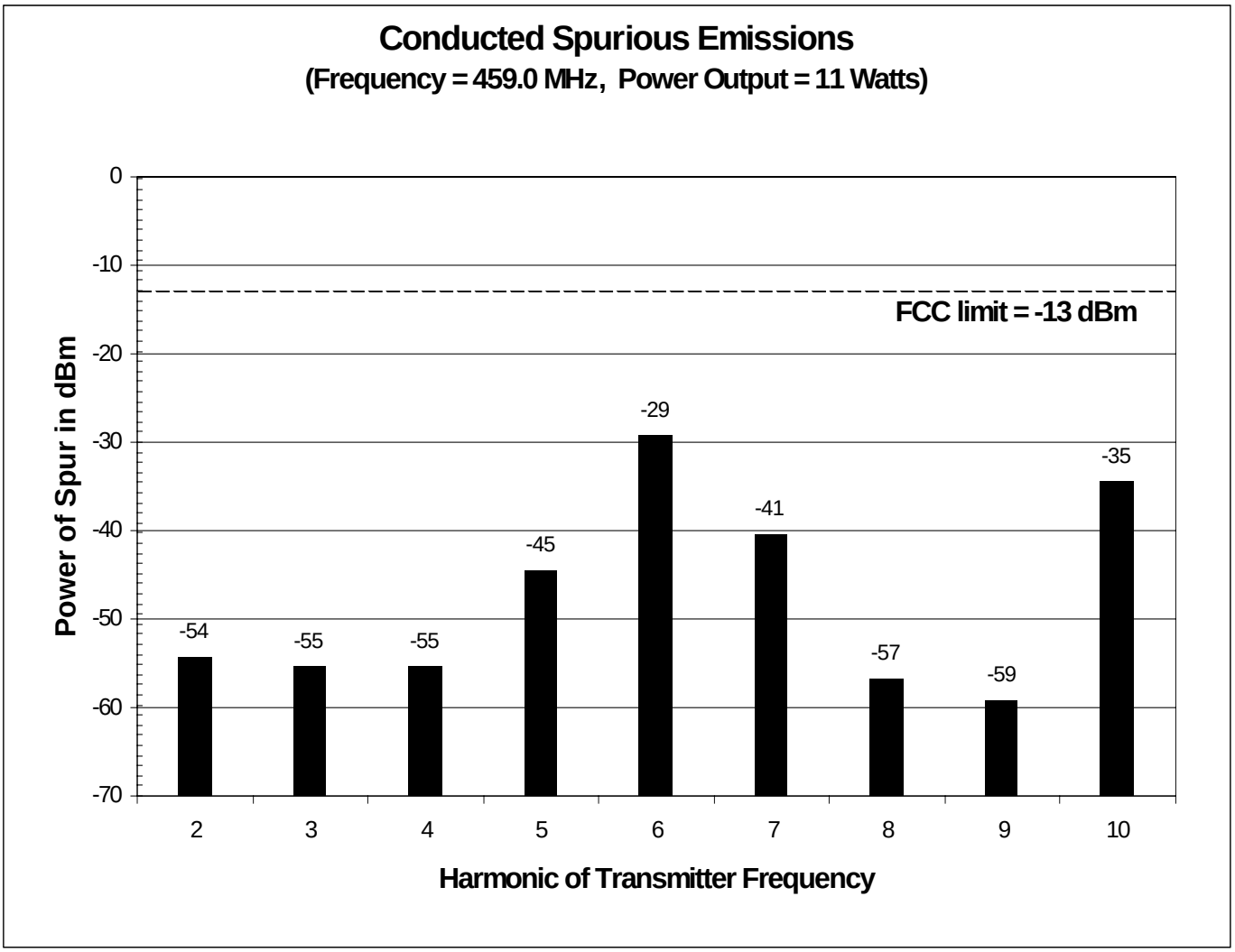


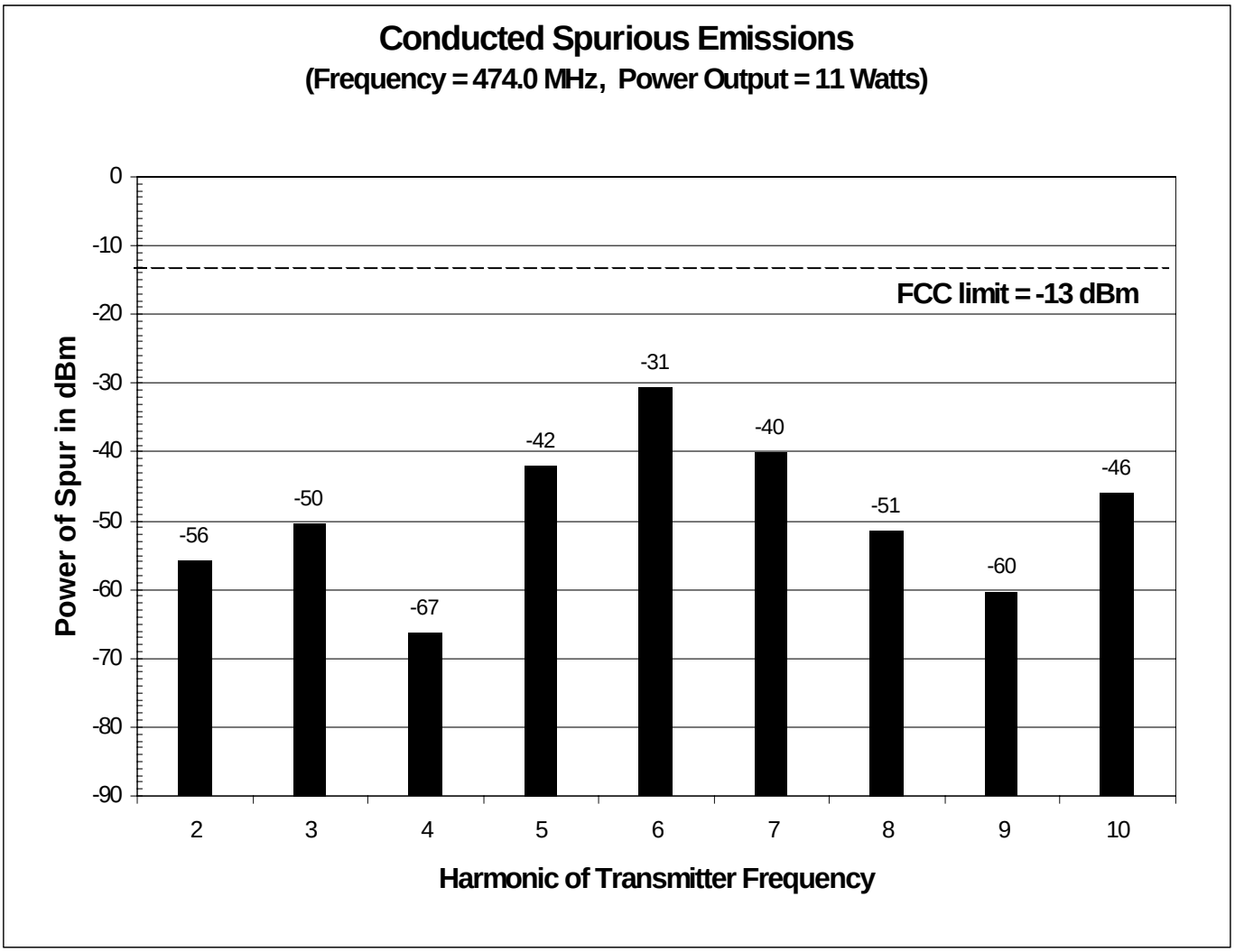
Occupied Bandwidth - 25 kHz CWID Modulation and PL Tone Modulation

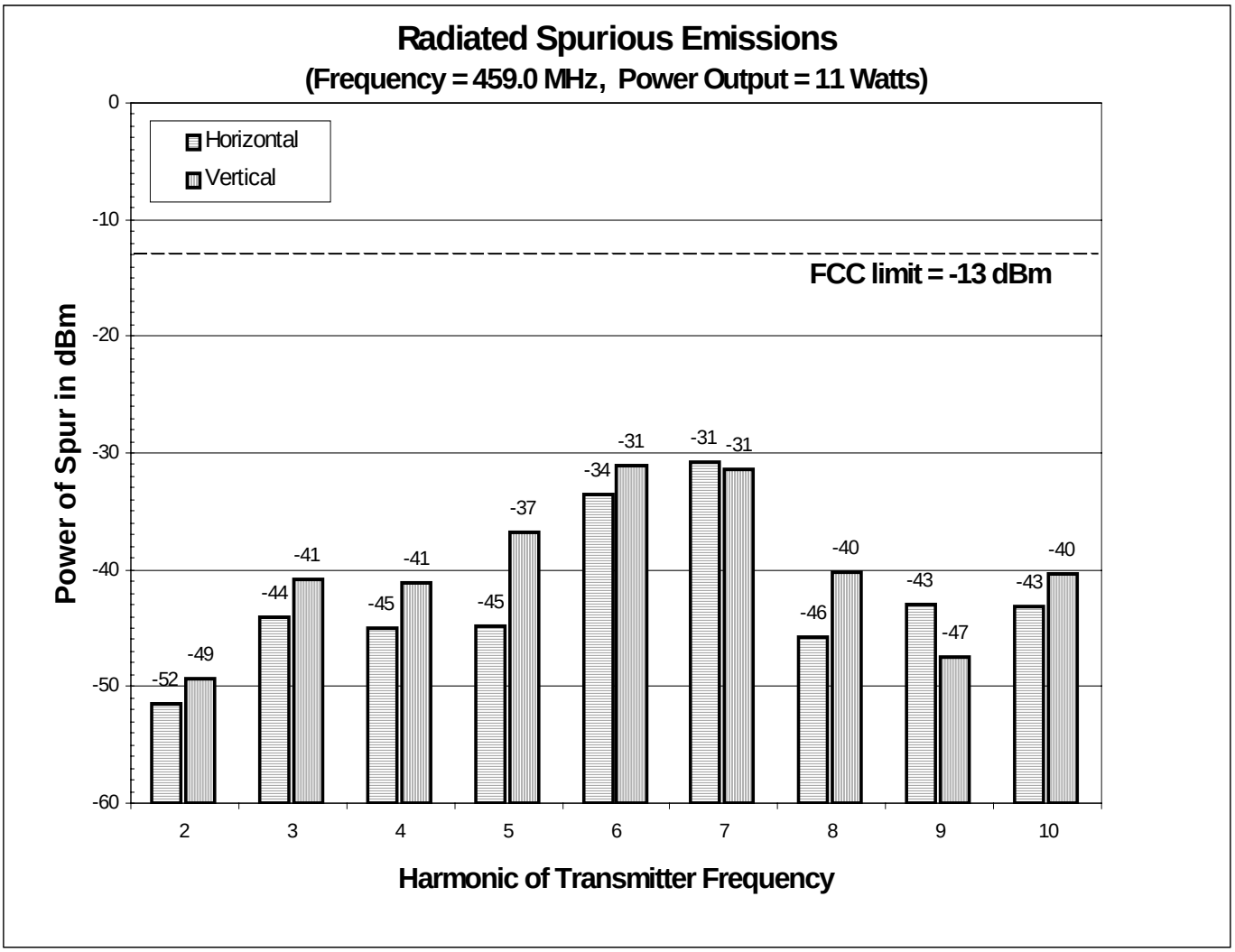


Occupied Bandwidth - 25 kHz CWID Modulation and DPL Modulation

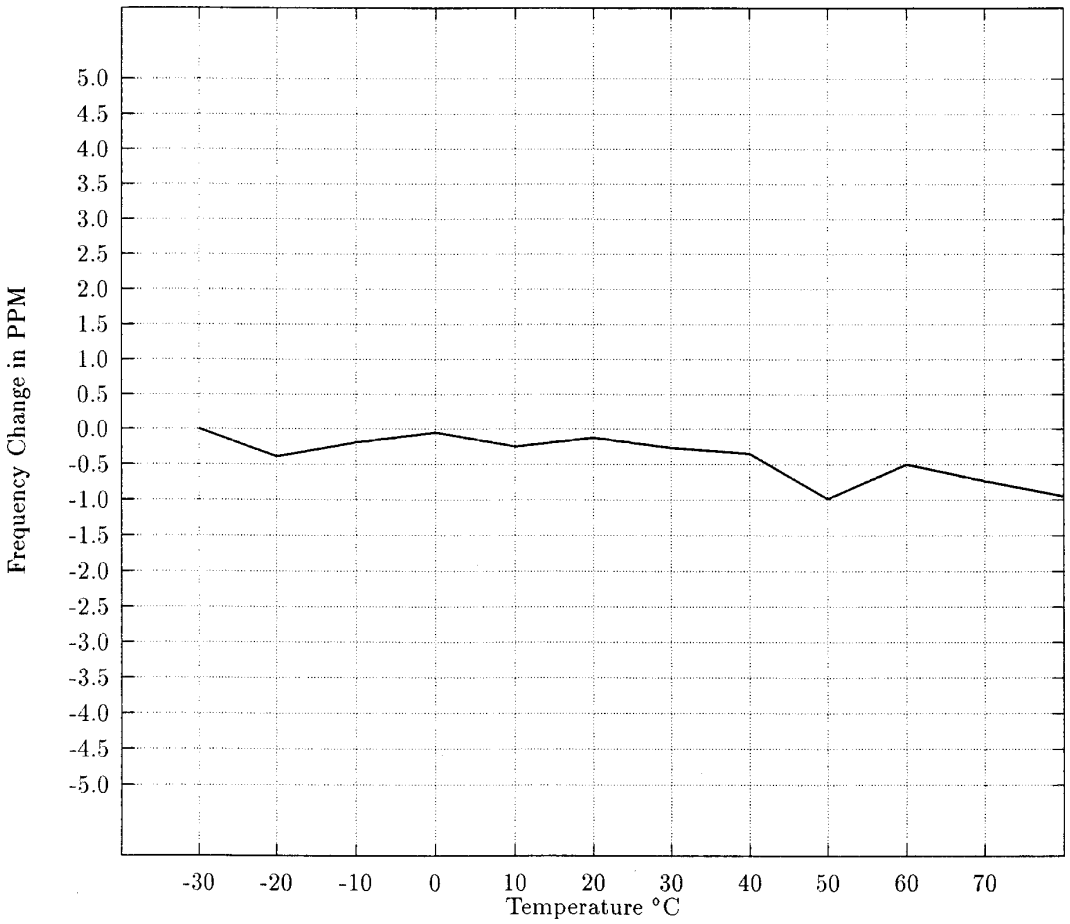

Conducted Spurious Emissions
(Frequency = 444 MHz, Power Output = 11 Watts)
Power of Spur in dBm
0
-10
-20
-30
-40
-50
-60
-70
FCC limit = -13 dBm
-61
-49
-47
-66
-42
-46
-42
-63
2
3
4
5
6
7
8
9
Harmonic of Transmitter Frequency


Conducted Spurious Emissions
(Frequency = 459.0 MHz, Power Output = 11 Watts)
Power of Spur in dBm
0
-10
-20
-30
-40
-50
-60
-70
FCC limit = -13 dBm
-54
-55
-55
-45
-29
-41
-57
-59
-35
2
3
4
5
6
7
8
9
10
Harmonic of Transmitter Frequency

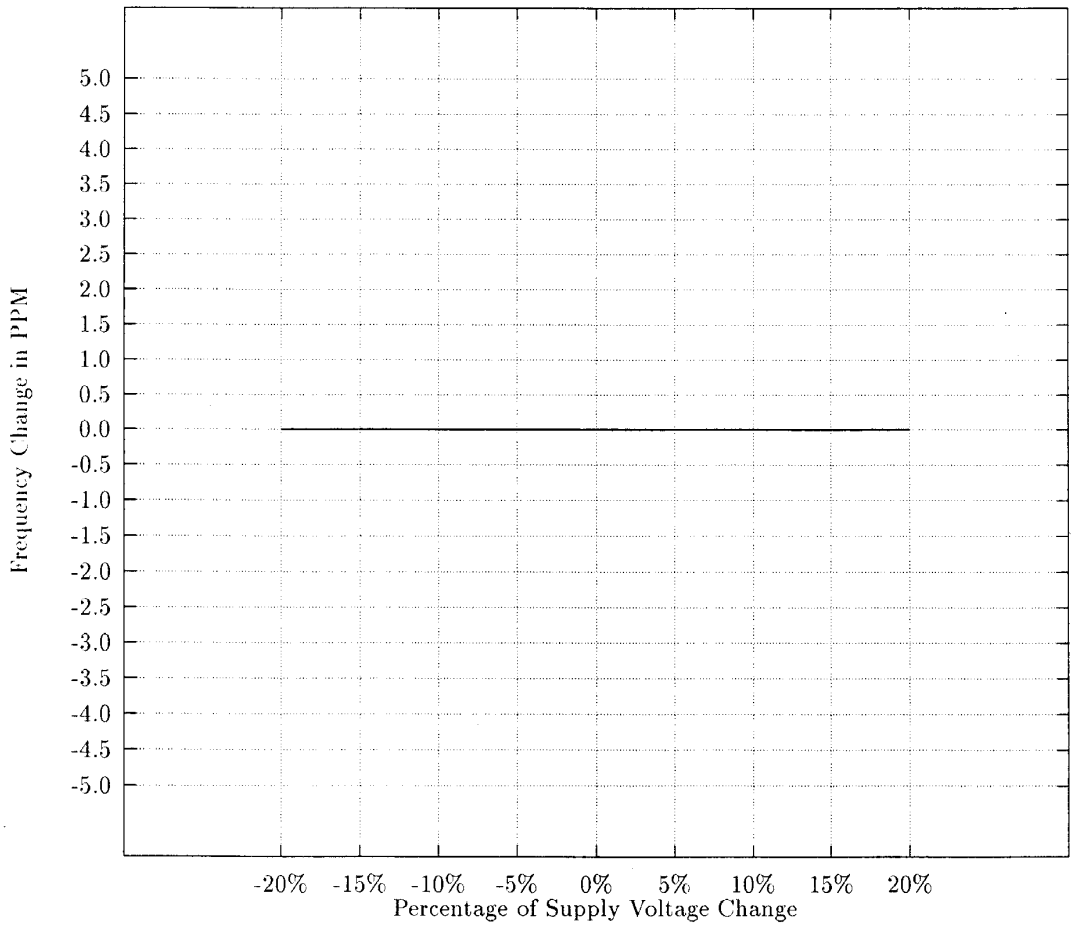

Conducted Spurious Emissions
(Frequency = 474.0 MHz, Power Output = 11 Watts)
FCC limit = -13 dBm
Power of Spur in dBm
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-56
-50
-67
-42
-31
-40
-51
-60
-46
2
3
4
5
6
7
8
9
10
Harmonic of Transmitter Frequency


Radiated Spurious Emissions
(Frequency = 459.0 MHz, Power Output = 11 Watts)
Horizontal
Vertical
FCC limit = -13 dBm
Power of Spur in dBm
0
-10
-20
-30
-40
-50
-60
-52
-49
-44
-41
-45
-41
-45
-37
-34
-31
-31
-31
-46
-40
-43
-47
-43
-40
2
3
4
5
6
7
8
9
10
Harmonic of Transmitter Frequency

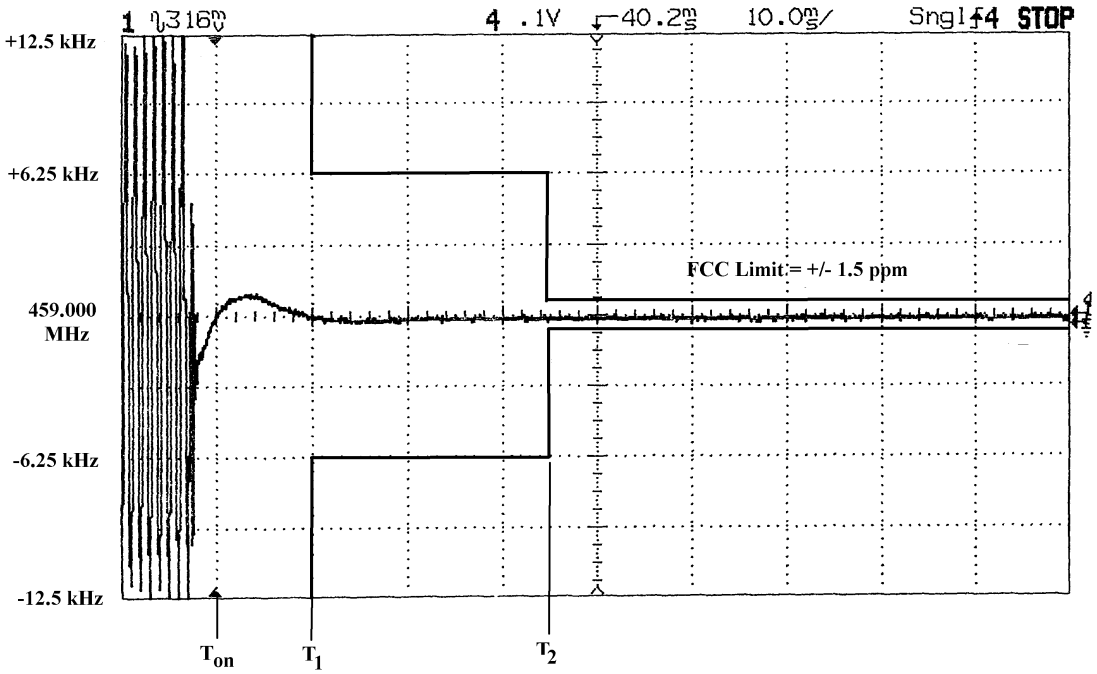
FREQUENCY STABILITY vs. TEMPERATURE



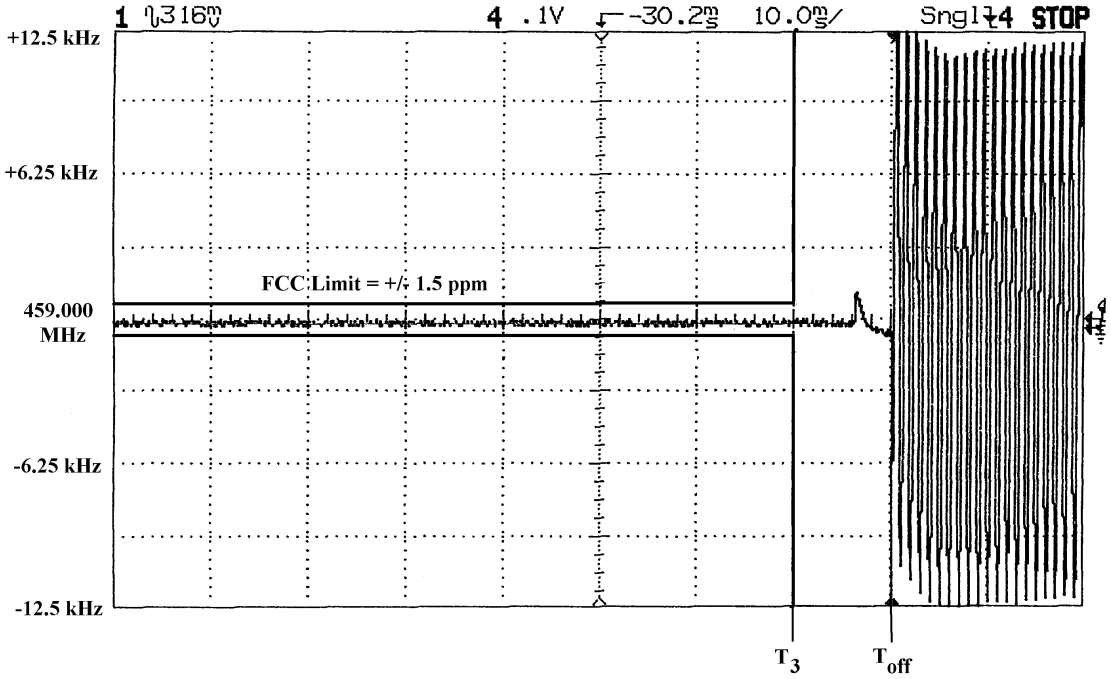
FREQUENCY STABILITY vs. VOLTAGE



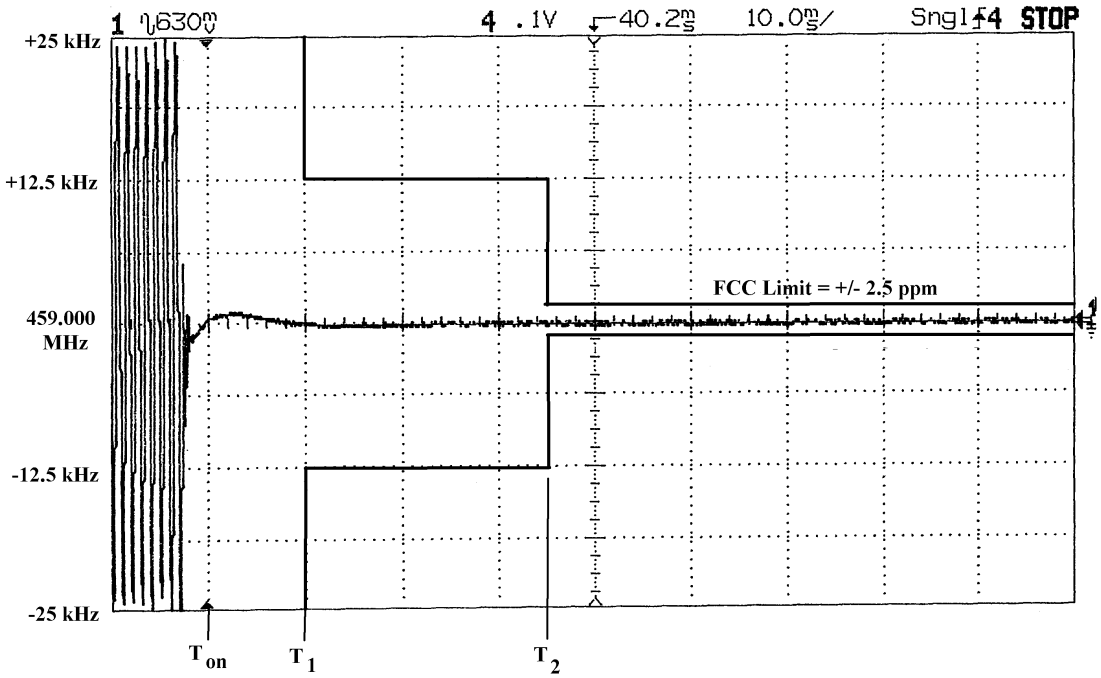
Transient Frequency Behavior – 12.5 kHz Turn On Characteristic



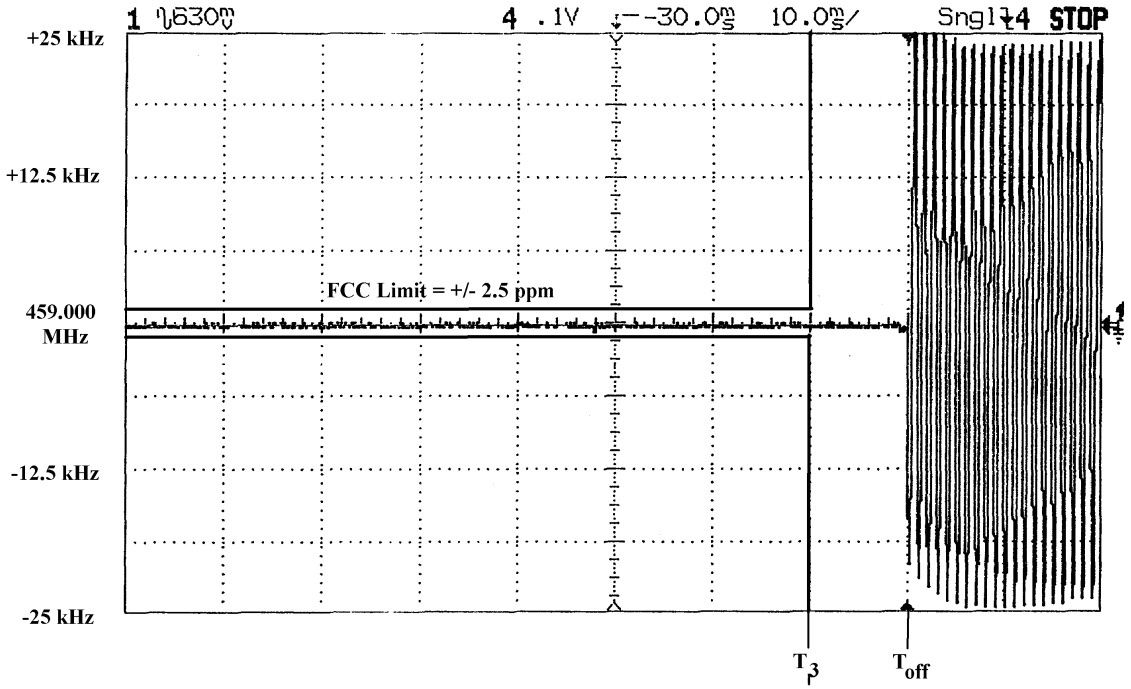
Transient Frequency Behavior – 12.5 kHz Turn Off Characteristic



Transient Frequency Behavior – 25 kHz Turn On Characteristic



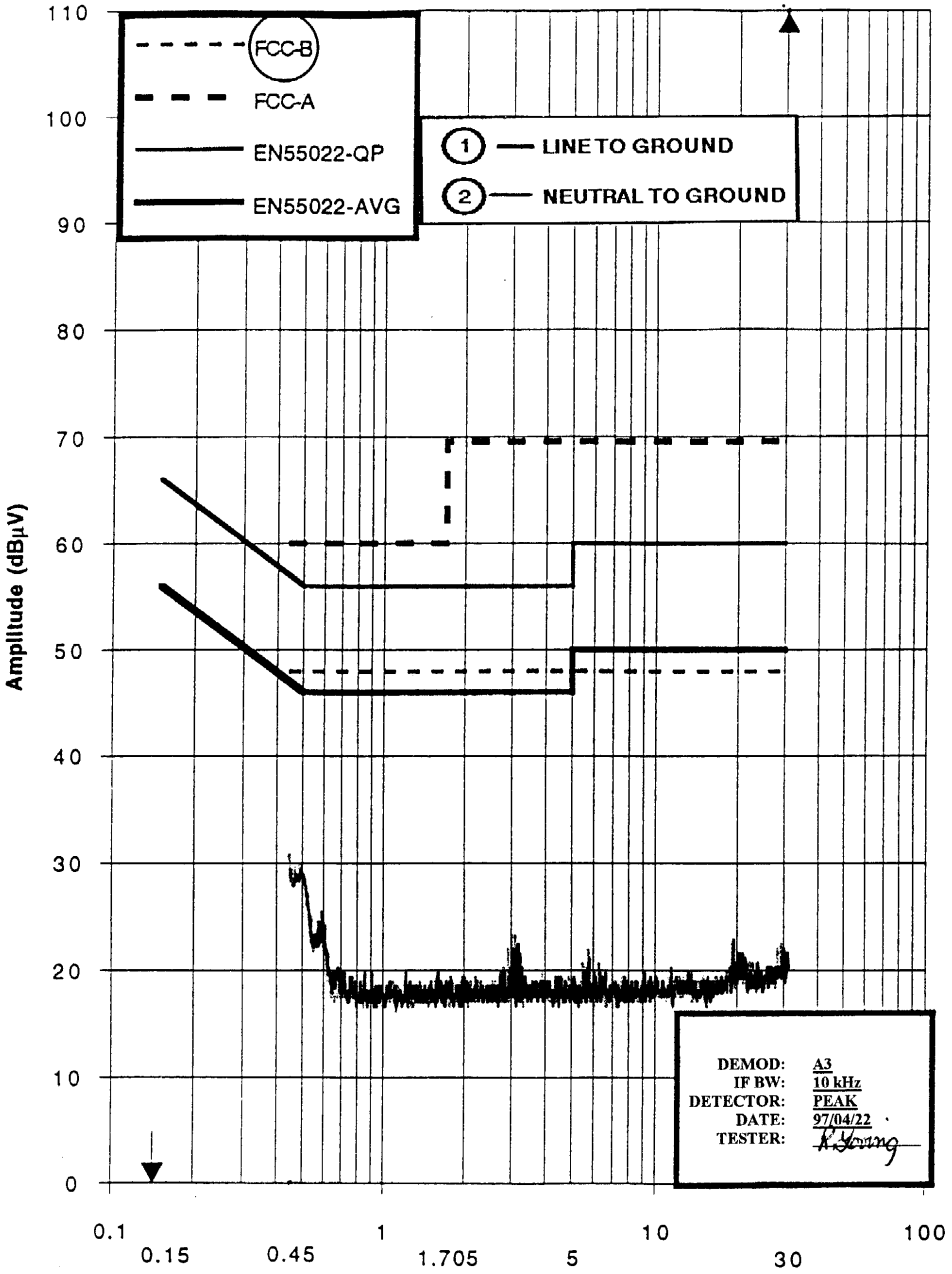
Transient Frequency Behavior – 25 kHz Turn Off Characteristic



LINE CONDUCTED SPURIOUS

LIMITS: FCC-B STATION: GR1225 CONDITION: RECEIVE/STANDBY
POWER SUPPLY: ASTRON SL-15M MISC: _____

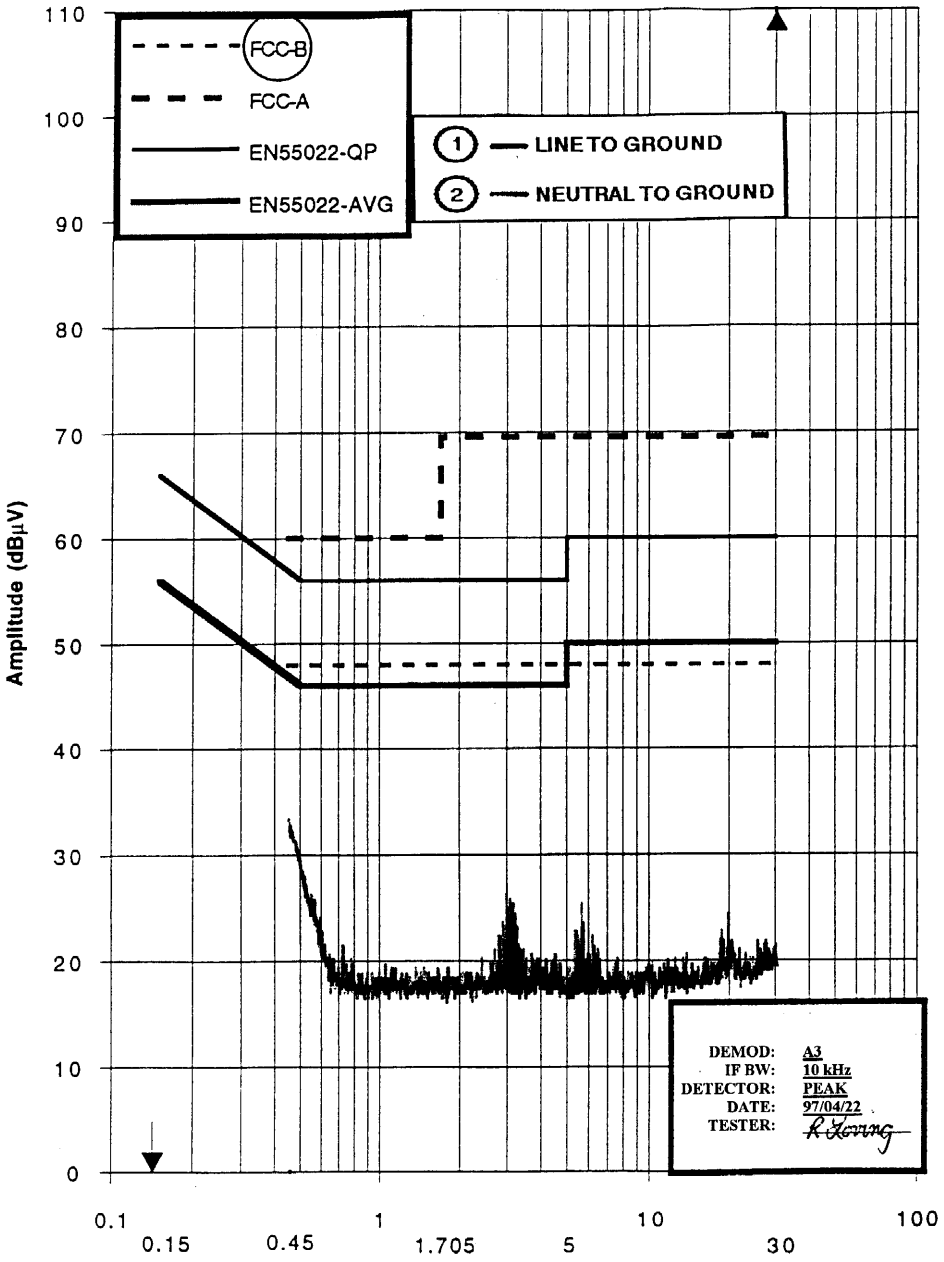
Rhode & Schwarz ESH3 Rcvr. s/n 892580/012.....Network s/n 892602/005.....Asset#68744



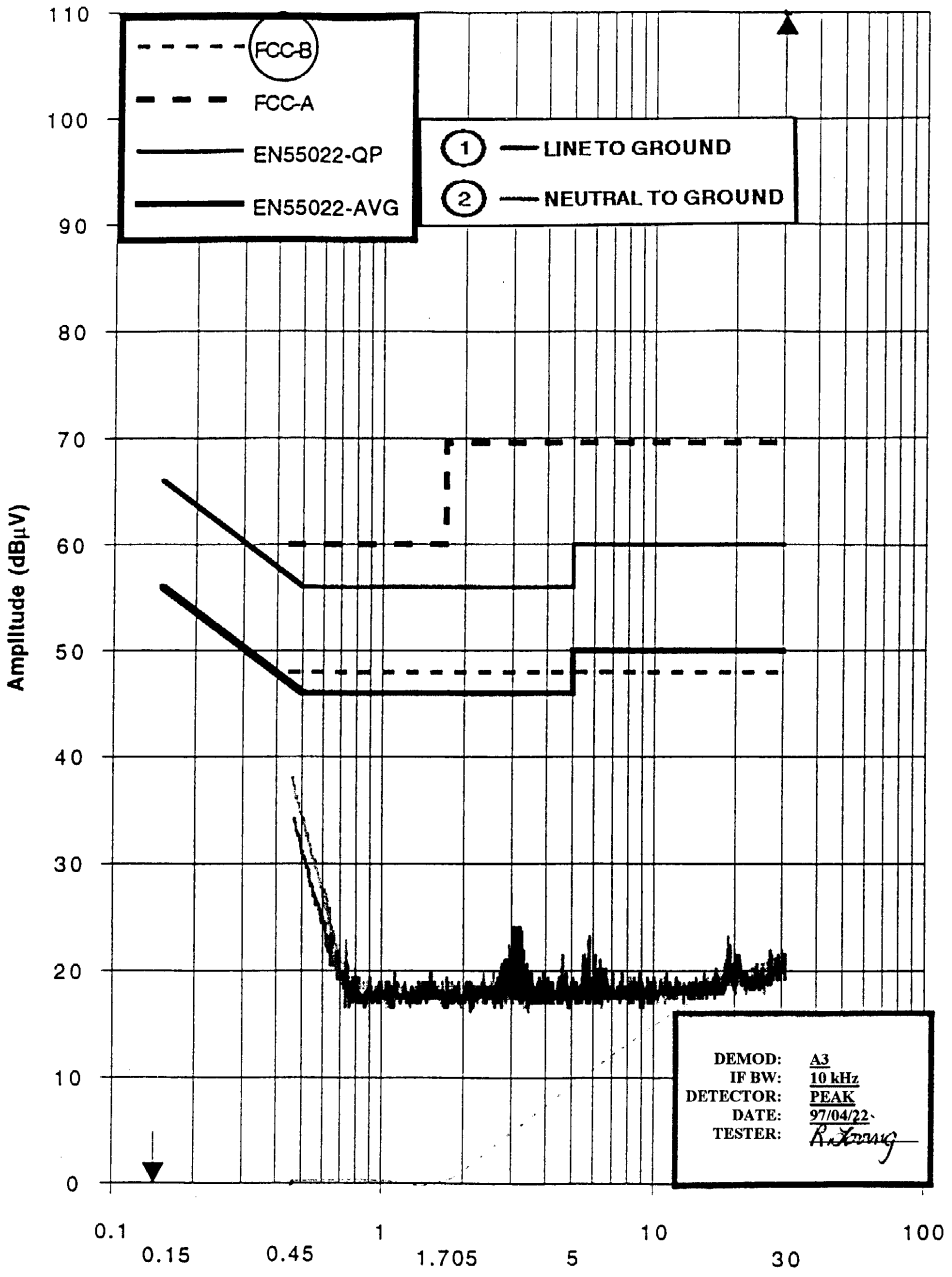
LINE CONDUCTED SPURIOUS

LIMITS: FCC-B STATION: GR1225 CONDITION: TRANSMIT (FAN ON)
POWER SUPPLY: ASTRON SL-15M MISC: _____

Rhode & Schwarz ESH3 Rcvr. s/n 892580/012.....Network s/n 892602/005.....Asset#68744



LINE CONDUCTED SPURIOUS

LIMITS: FCC-B STATION: GR1225 CONDITION: TRANSMIT (FAN OFF)
POWER SUPPLY: ASTRON SL-15M MISC: _____

Rhode & Schwarz ESH3 Rcvr. s/n 892580/012.....Network s/n 892602/005.....Asset#68744