

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

Index To Submitted Measured Data

This exhibit contains, on the following pages, 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 Low-Pass 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 - 25 kHz Channel Spacing, Carrier Squelch Mode

6D-2 - 25 kHz Channel Spacing, Private Line (PL) Mode

6D-3 - 25 kHz Channel Spacing, Digital Private Line (DPL) Mode

6D-4 - 12.5 kHz Channel Spacing, Carrier Squelch Mode

6D-5 - 12.5 kHz Channel Spacing, Private Line (PL) Mode

6D-6 - 12.5 kHz Channel Spacing, Digital Private Line (DPL) Mode

EXHIBIT 6E - Occupied Bandwidth (18 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 Tone Modulation

6E-10 - 25 kHz 2500 Hz Audio Modulation Only

6E-11 - 25 kHz 2500 Hz Audio and PL Tone Modulation

6E-12 - 25 kHz 2500 Hz Audio and DPL Modulation

6E-13 - 25 kHz DTMF Modulation Only

6E-14 - 25 kHz DTMF Modulation and PL Tone Modulation

6E-15 - 25 kHz DTMF Modulation and DPL Modulation

6E-16 - 25 kHz 2000/3000 Hz FSK Data Modulation Only

6E-17 - 25 kHz 2000/3000 Hz FSK Data and PL Tone Modulation

6E-18 - 25 kHz 2000/3000 Hz FSK Data and DPL Tone Modulation

EXHIBIT 6F - Conducted Spurious Emissions (6 Graphs)

6F-1 - 30 Watts, 150.000 MHz

6F-2 - 30 Watts, 162.000 MHz

6F-3 - 30 Watts, 174.000 MHz

6F-4 - 10 Watts, 150.000 MHz

6F-5 - 10 Watts, 162.000 MHz

6F-6 - 10 Watts, 174.000 MHz

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

Index To Submitted Measured Data (continued)

EXHIBIT 6G - Radiated Spurious Emissions (4 Graphs)

6G-1 - 30 Watts, 162.000 MHz, Horizontal

6G-2 - 30 Watts, 162.000 MHz, Vertical

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

NOTE: Items marked with (*) are from FCC filing ID ABZ99FT3037

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

RF Power Output – Measured Data

The supply voltage to the transmitter was set to 13.6 volts DC. The RF output power was measured with the indicated voltage and current applied into the final RF amplifying device.

Frequency 150 MHz

| | Max setting | Min setting |
|--------------------------|--------------------|--------------------|
| Measured RF output power | 30 W | 10 W |
| Measured DC voltage | 13.6 V | 13.6 V |
| Measured DC current | 4.63 A | 2.5 A |
| Measured Input power | 62.97 W | 34 W |

Frequency 160 MHz

| | Max setting | Min setting |
|--------------------------|--------------------|--------------------|
| Measured RF output power | 30 W | 10W |
| Measured DC voltage | 13.6 V | 13.6 V |
| Measured DC current | 4.49 A | 2.59 A |
| Measured Input power | 61.06 W | 35.22 |

Frequency 170 MHz

| | Max setting | Min setting |
|--------------------------|--------------------|--------------------|
| Measured RF output power | 30 W | 10W |
| Measured DC voltage | 13.6 V | 13.6 V |
| Measured DC current | 5.74 A | 3.24 A |
| Measured Input power | 78.06 W | 44.06 W |

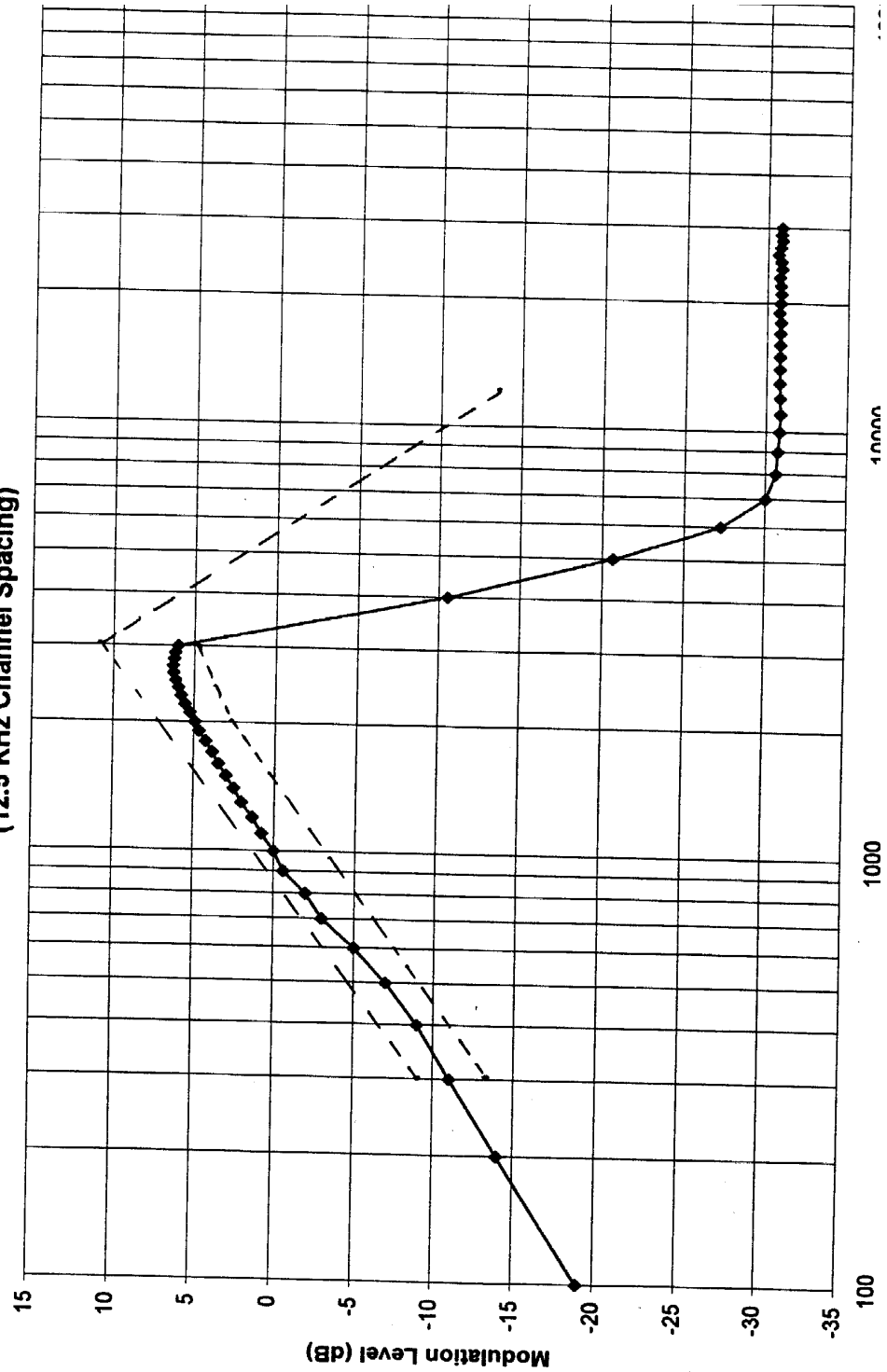
Frequency 174 MHz

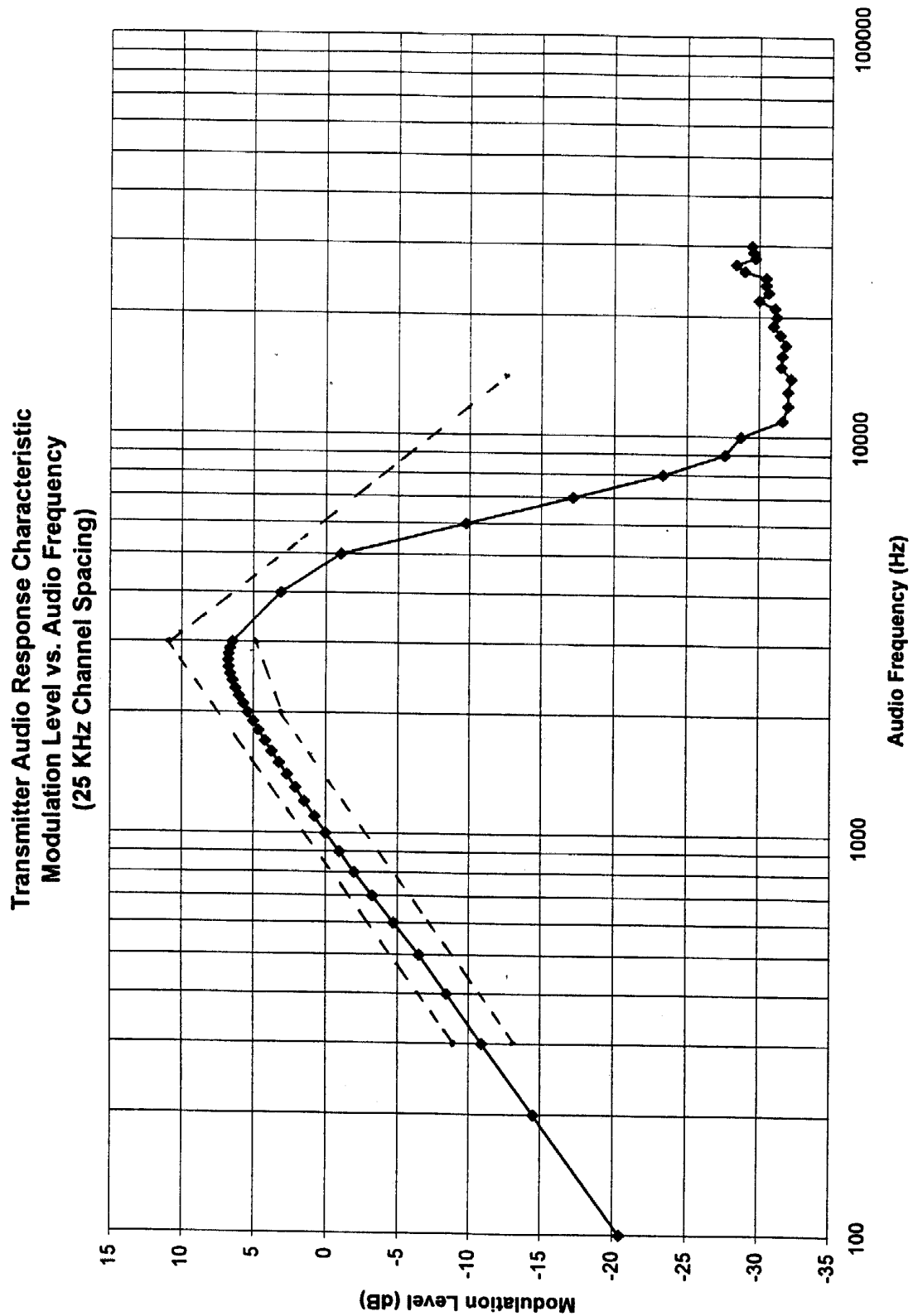
| | Max setting | Min setting |
|--------------------------|--------------------|--------------------|
| Measured RF output power | 30 W | 10W |
| Measured DC voltage | 13.6 V | 13.6 V |
| Measured DC current | 5.70 A | 3.4 A |
| Measured Input power | 77.52 W | 46.24 W |

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

Transmitter Audio Response Characteristic
Modulation Level vs. Audio Frequency
(12.5 KHz Channel Spacing)





Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

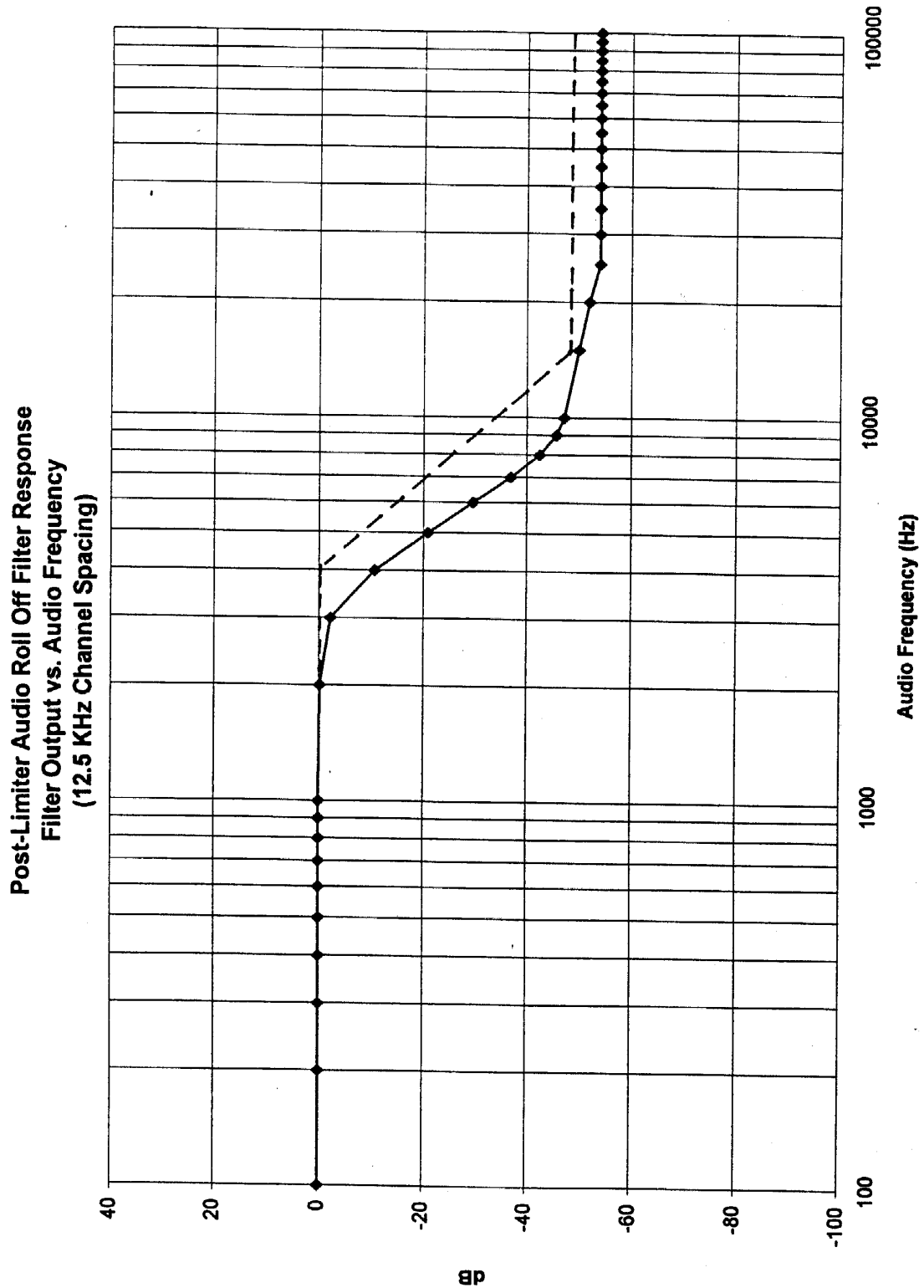
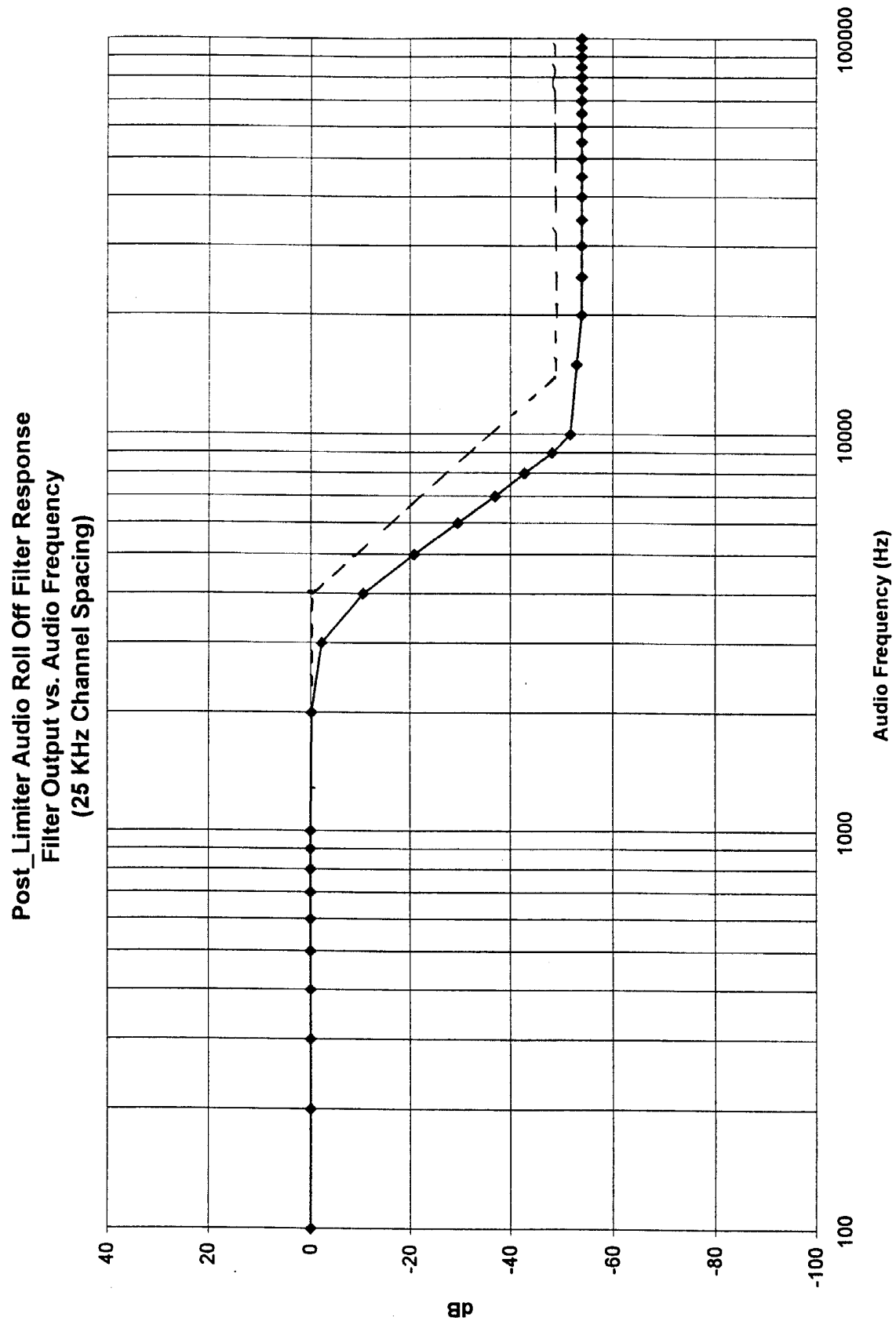
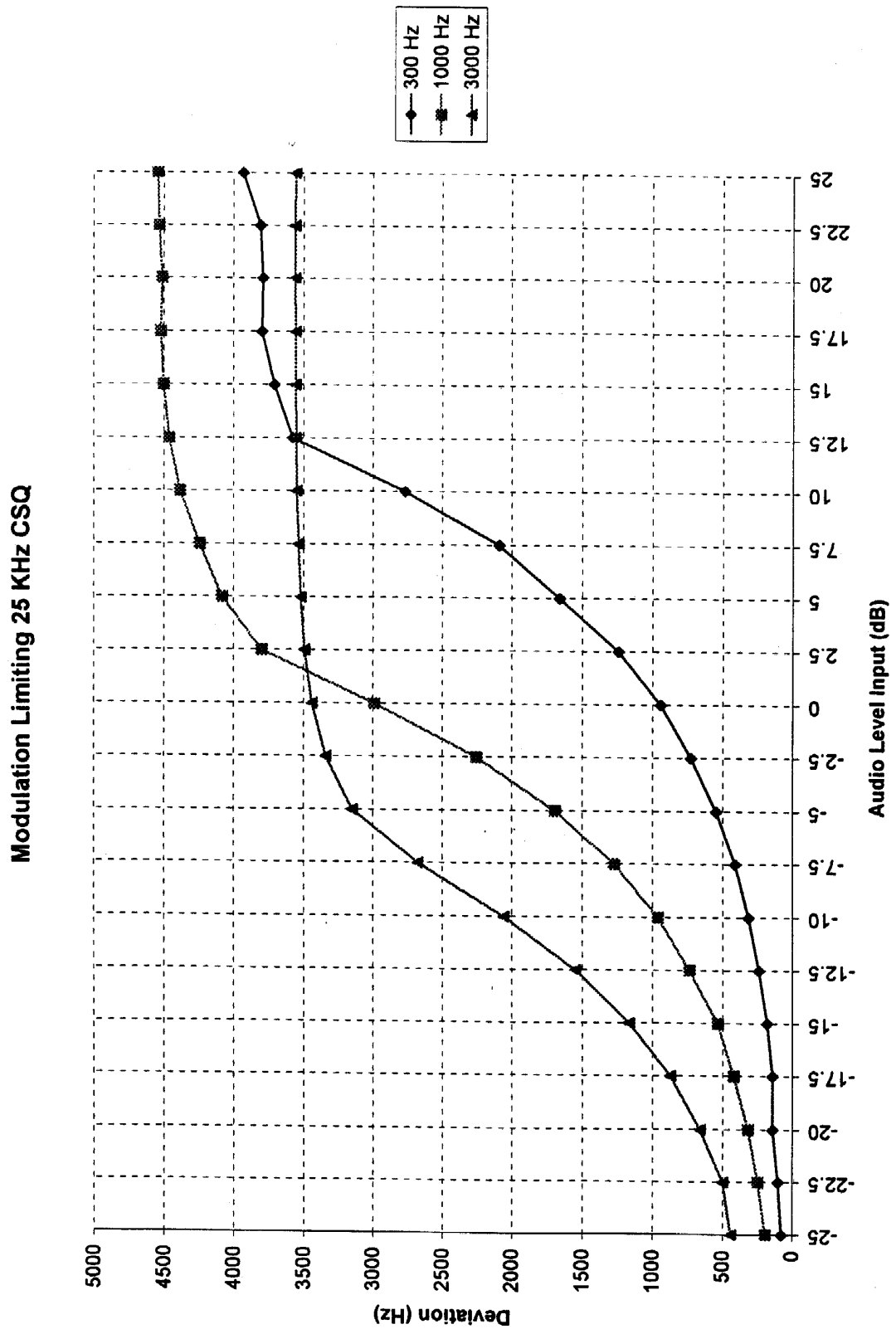


EXHIBIT 6C-1



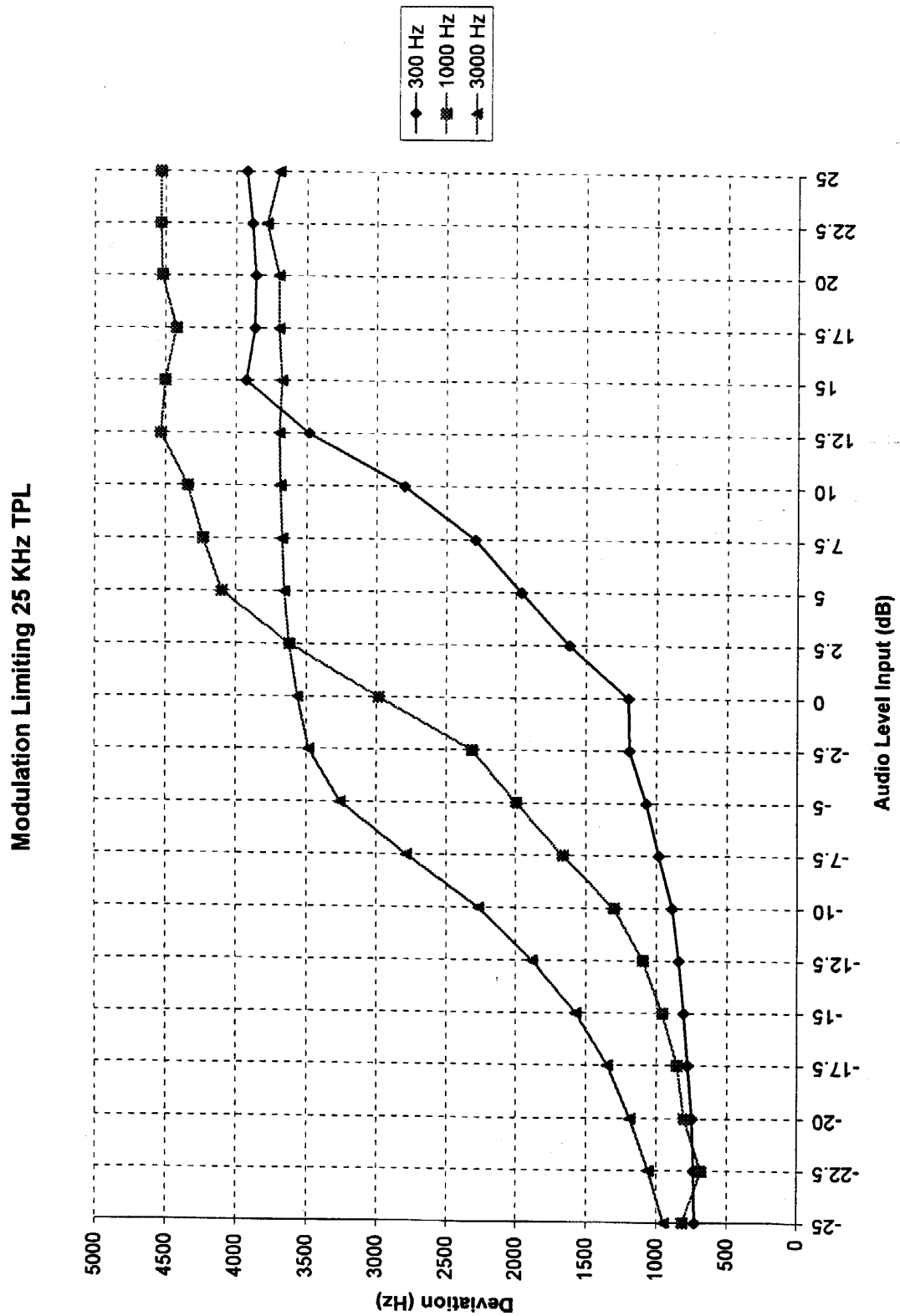
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038



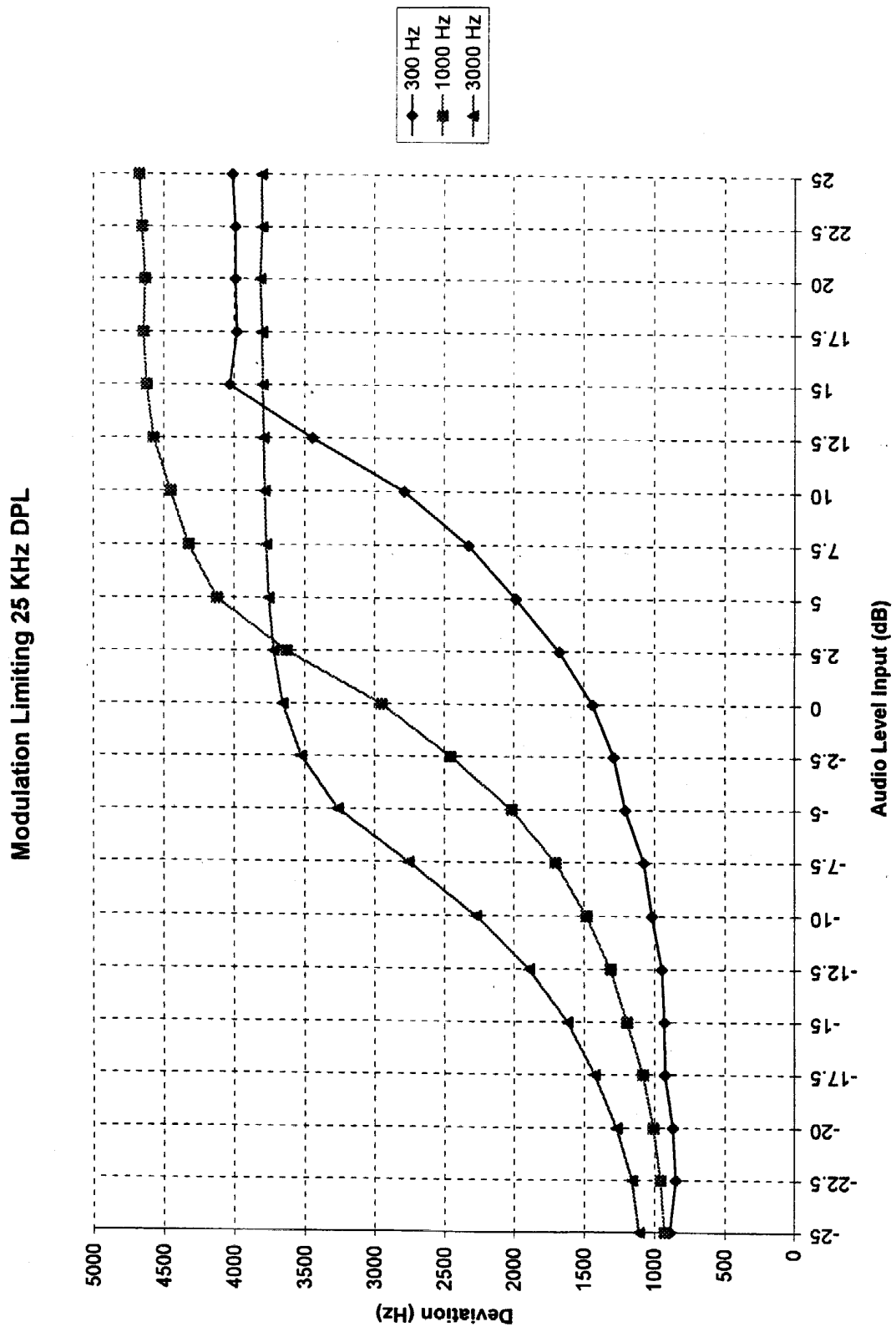
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038



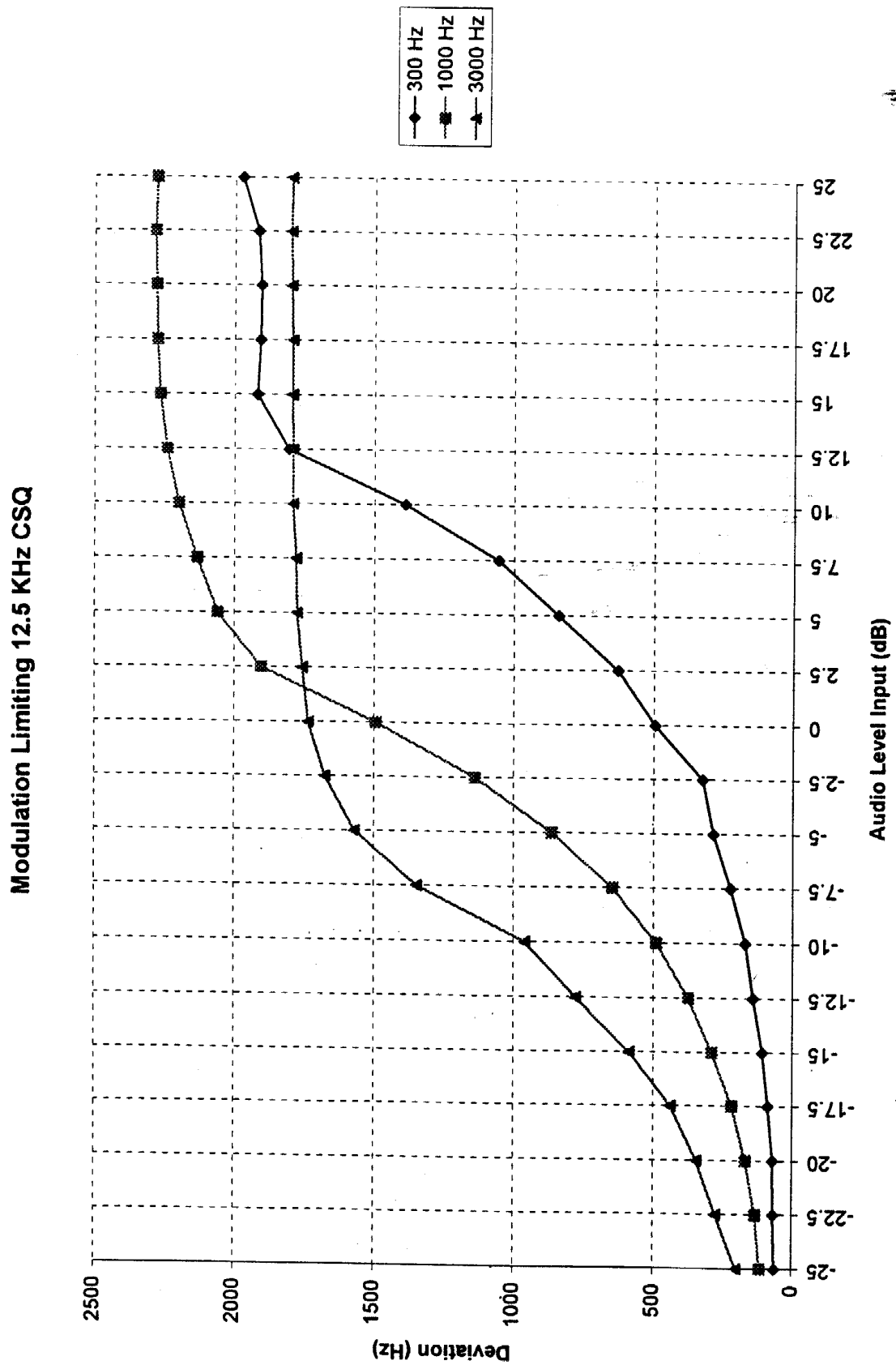
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038



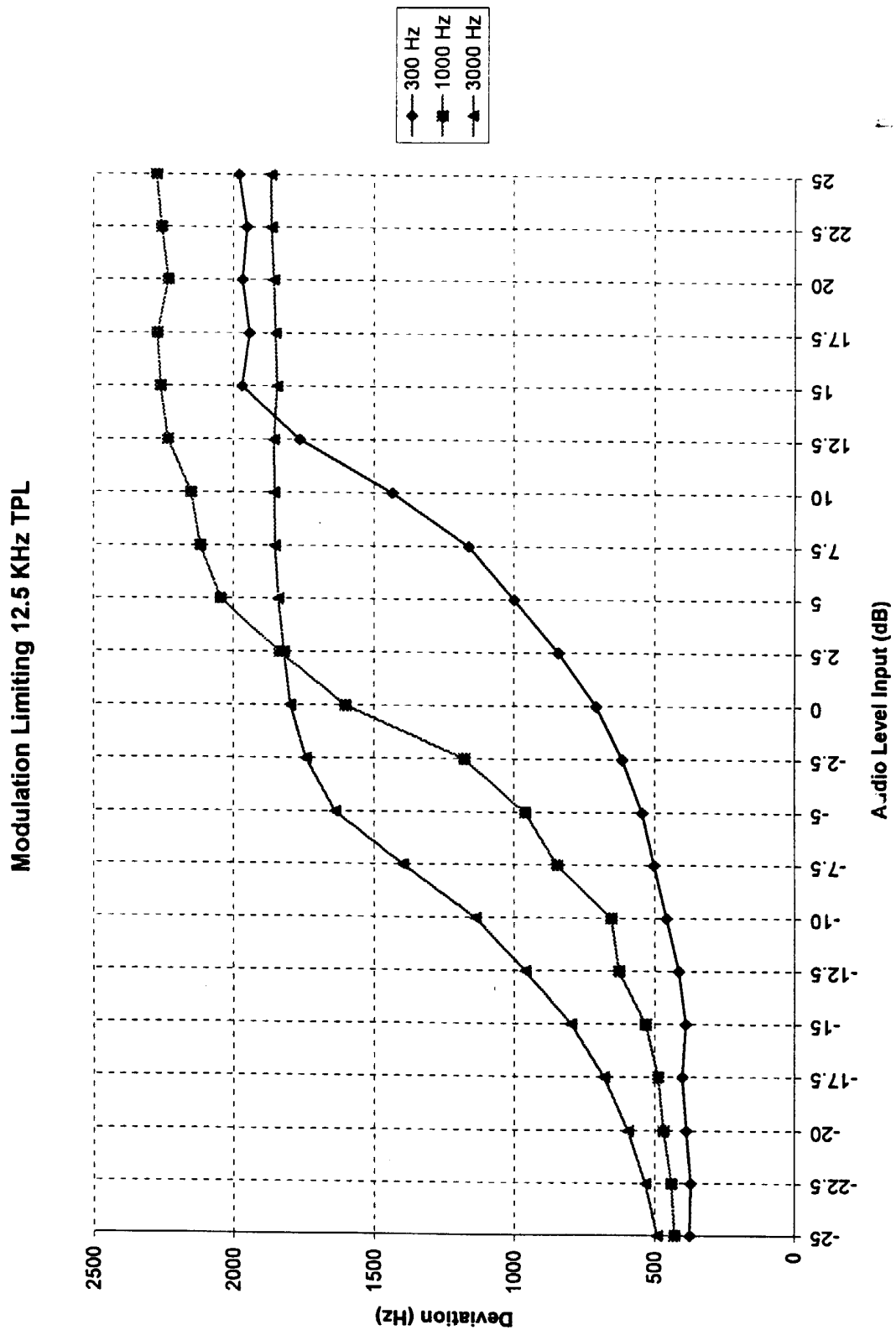
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038



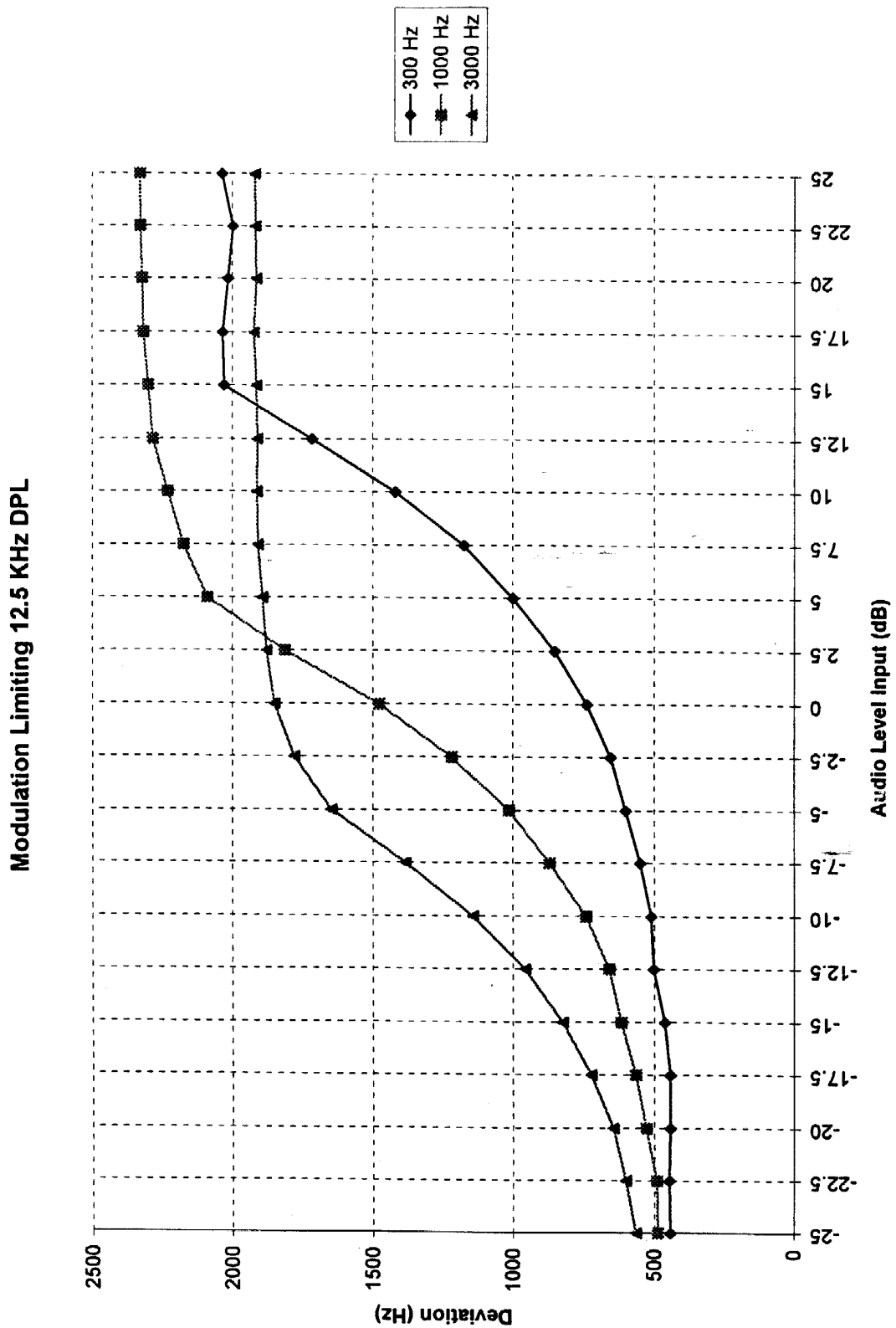
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038



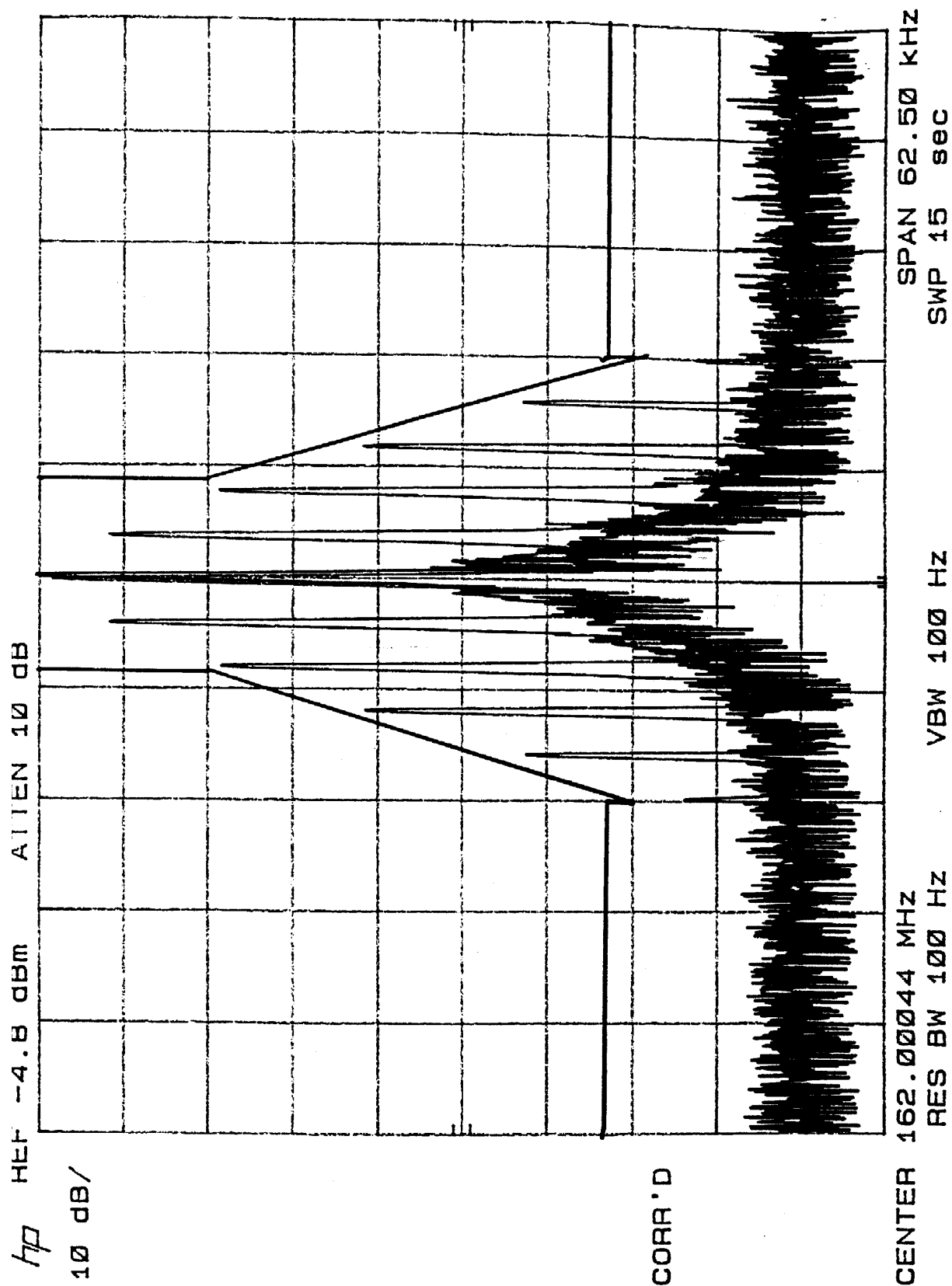
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038



Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

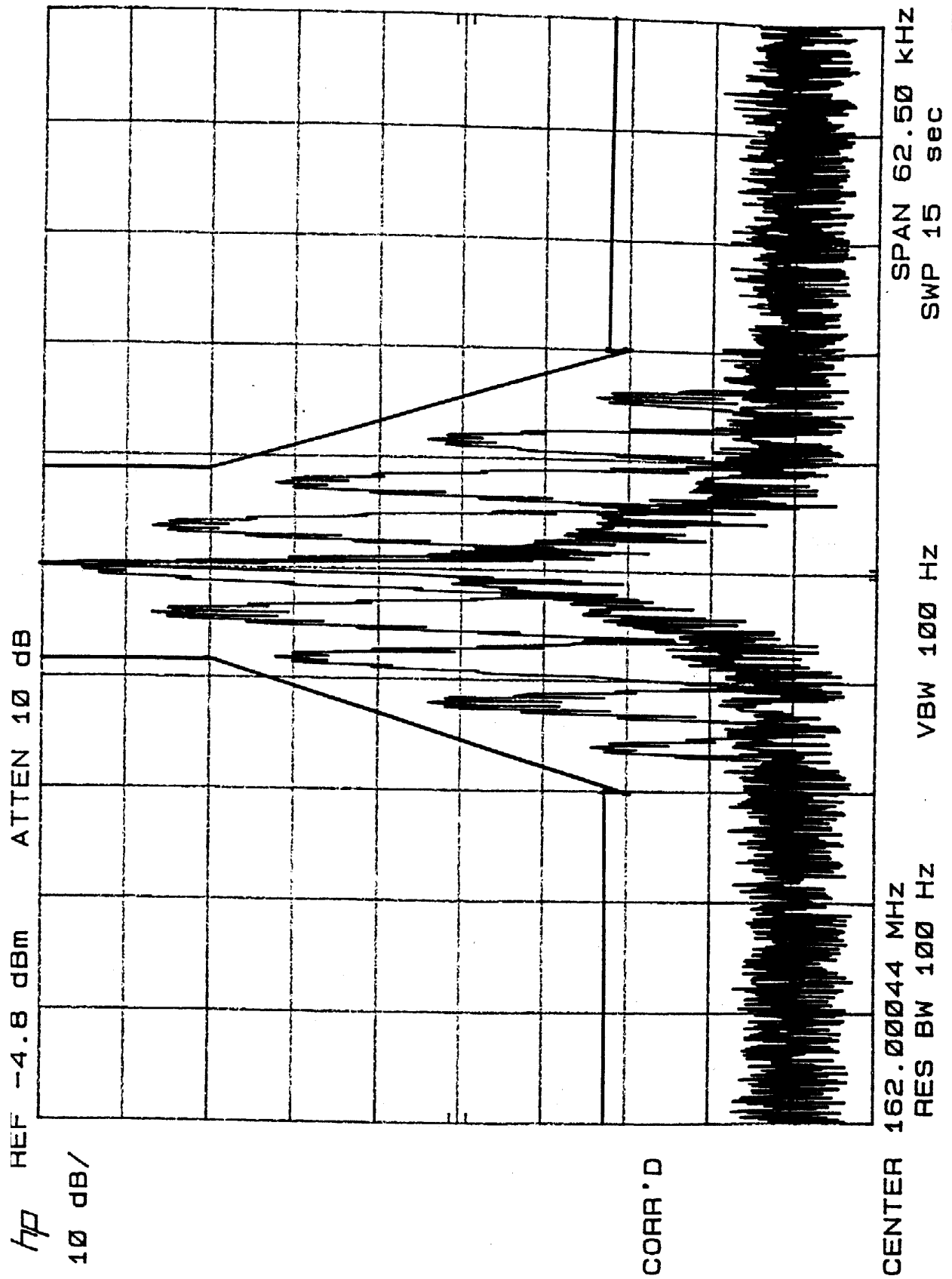


2500 Hz Audio Modulation Only

Exhibit 6E-1

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

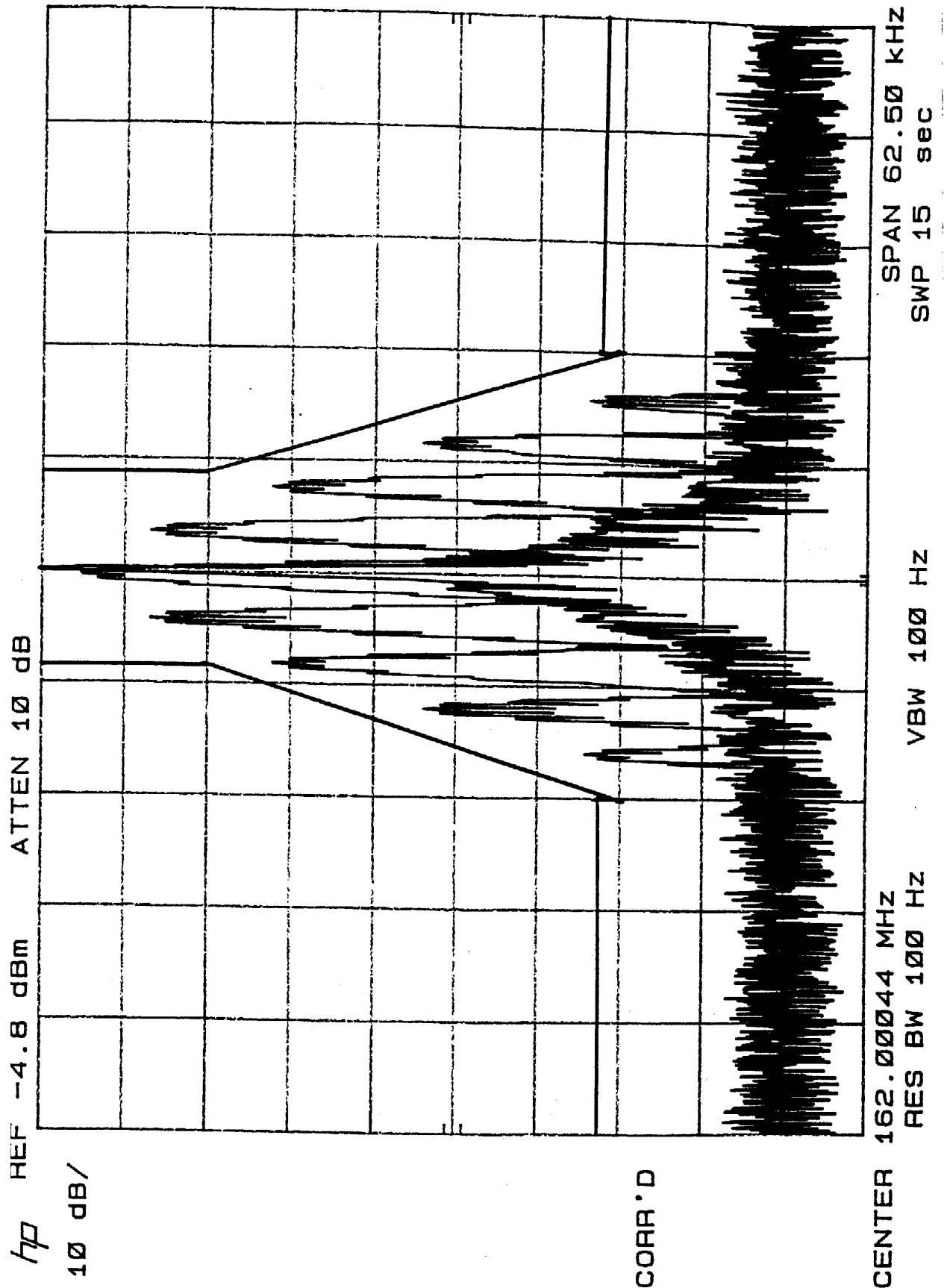


2500 Hz Audio and PL Tone Modulation

Exhibit 6E-2

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

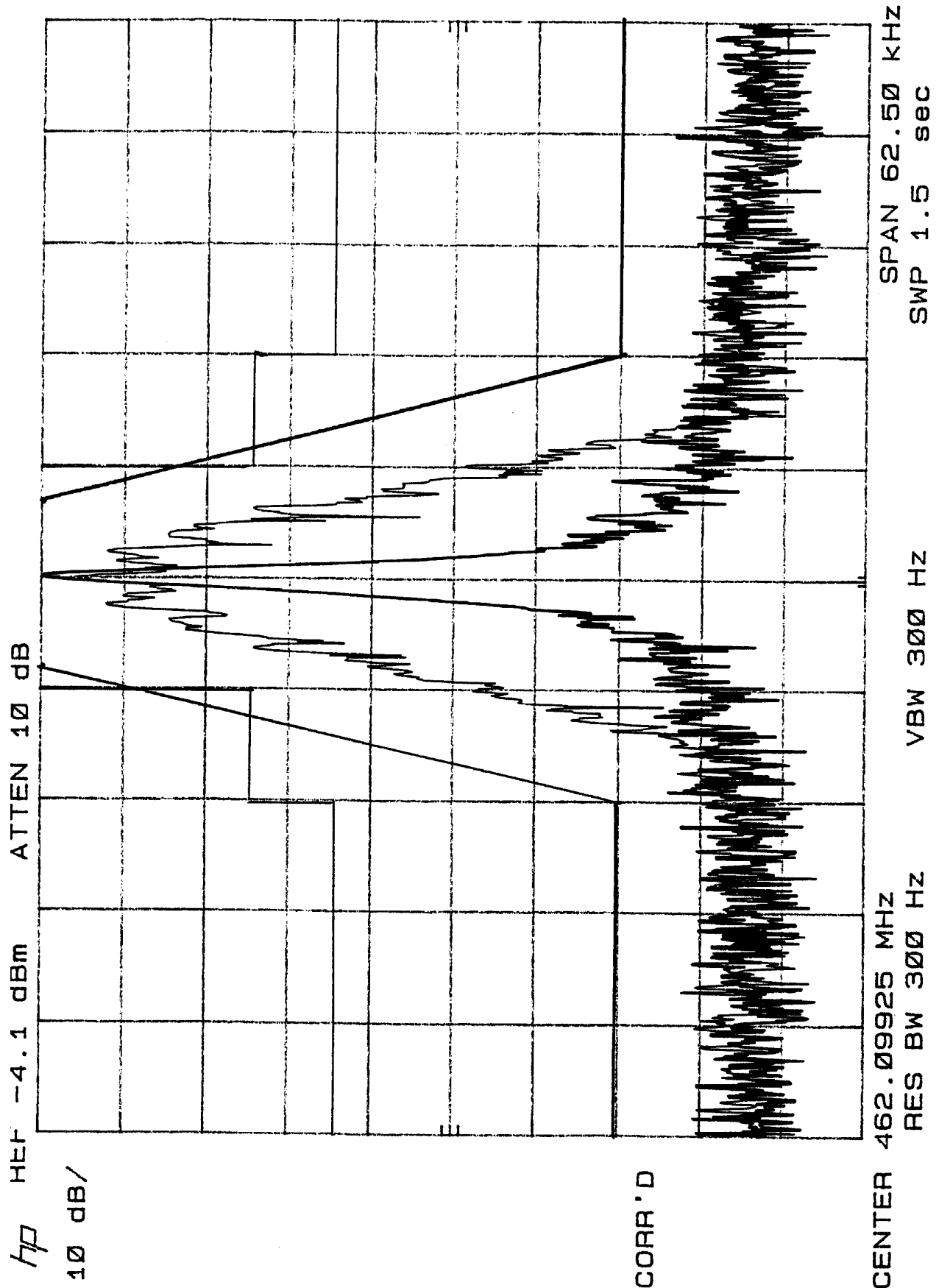


2500 Hz Audio and DPL Modulation

Exhibit 6E-3

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

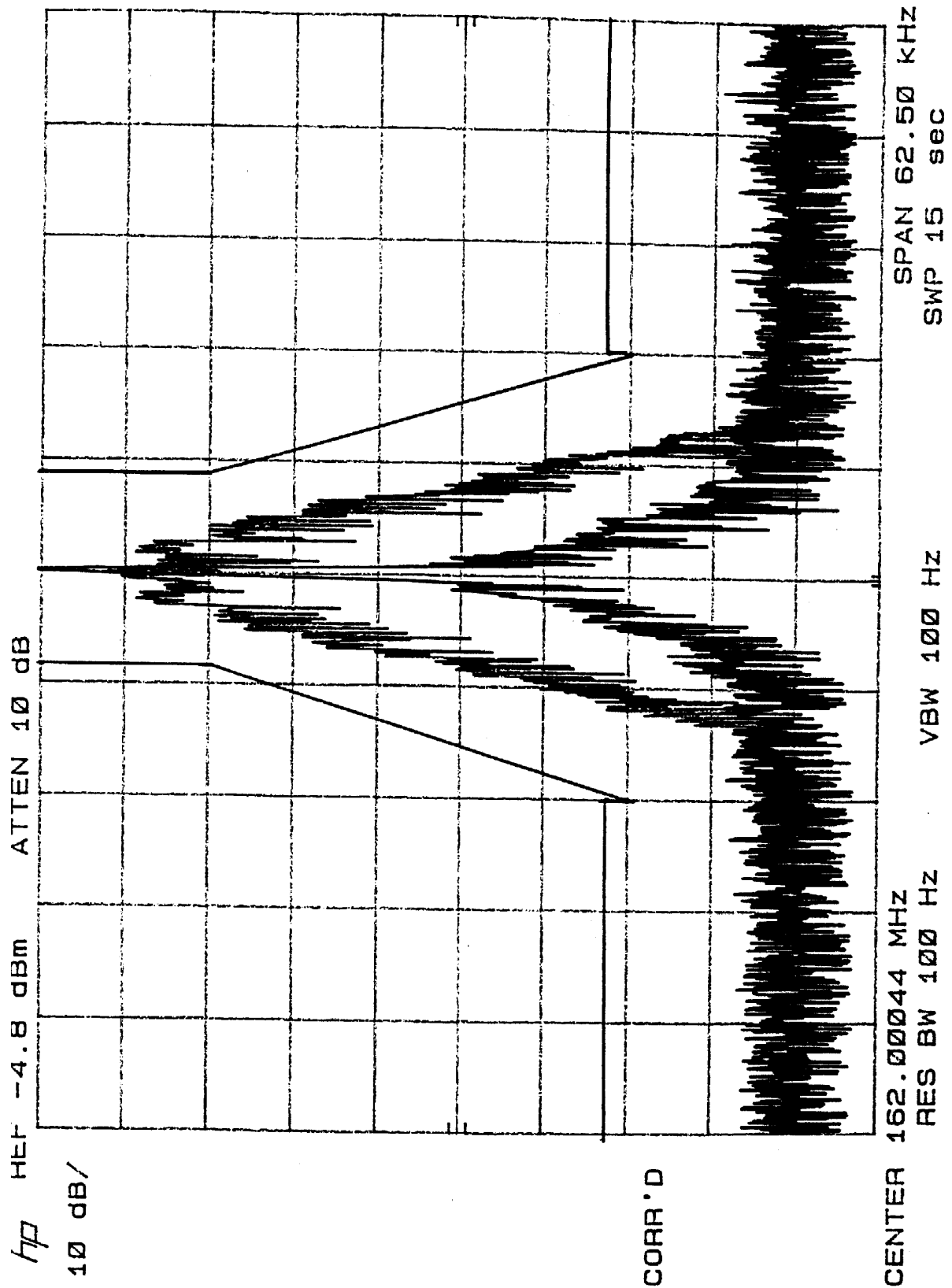


2500 Hz Audio and DTMF Modulation

Exhibit 6E-4

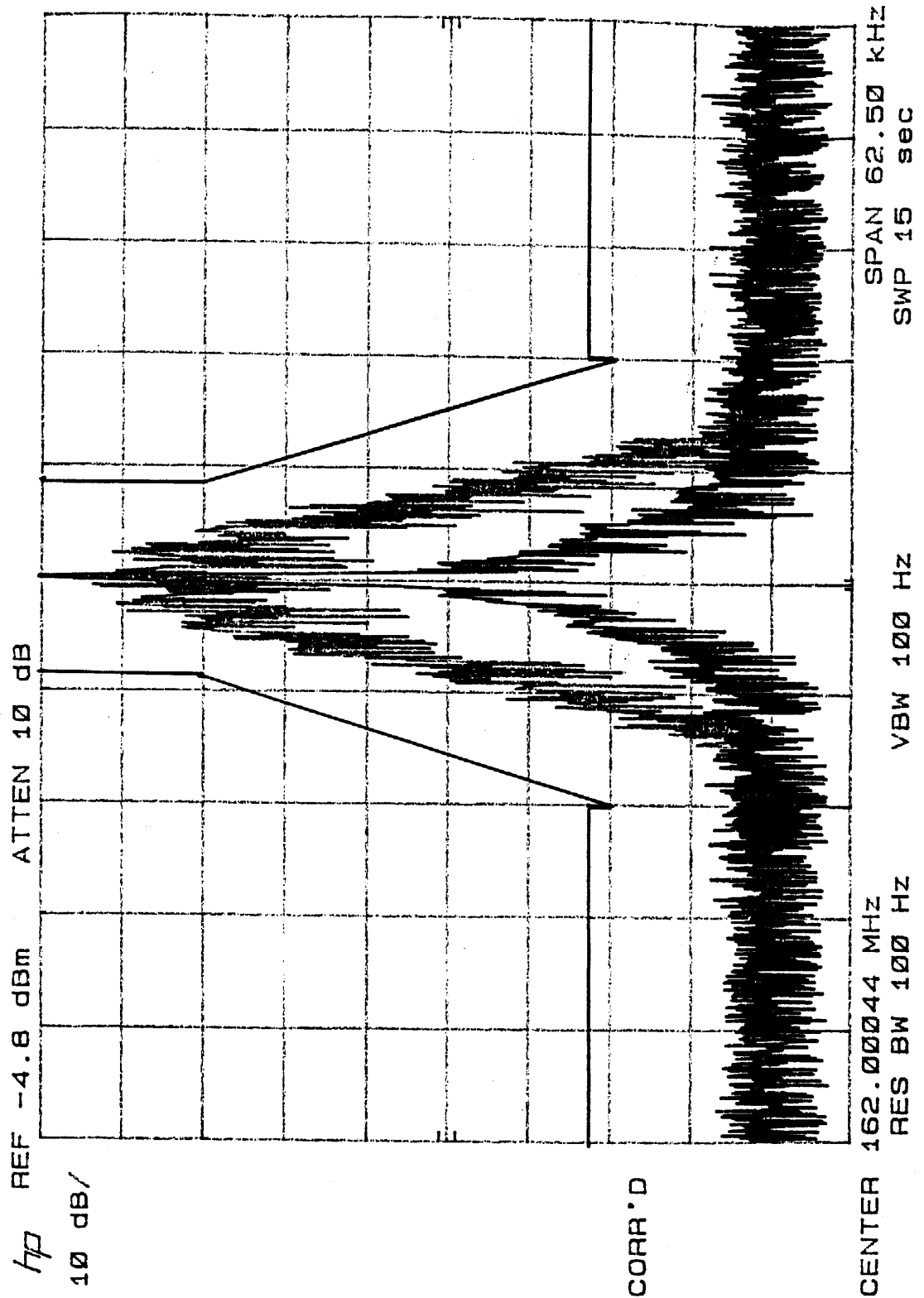
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038



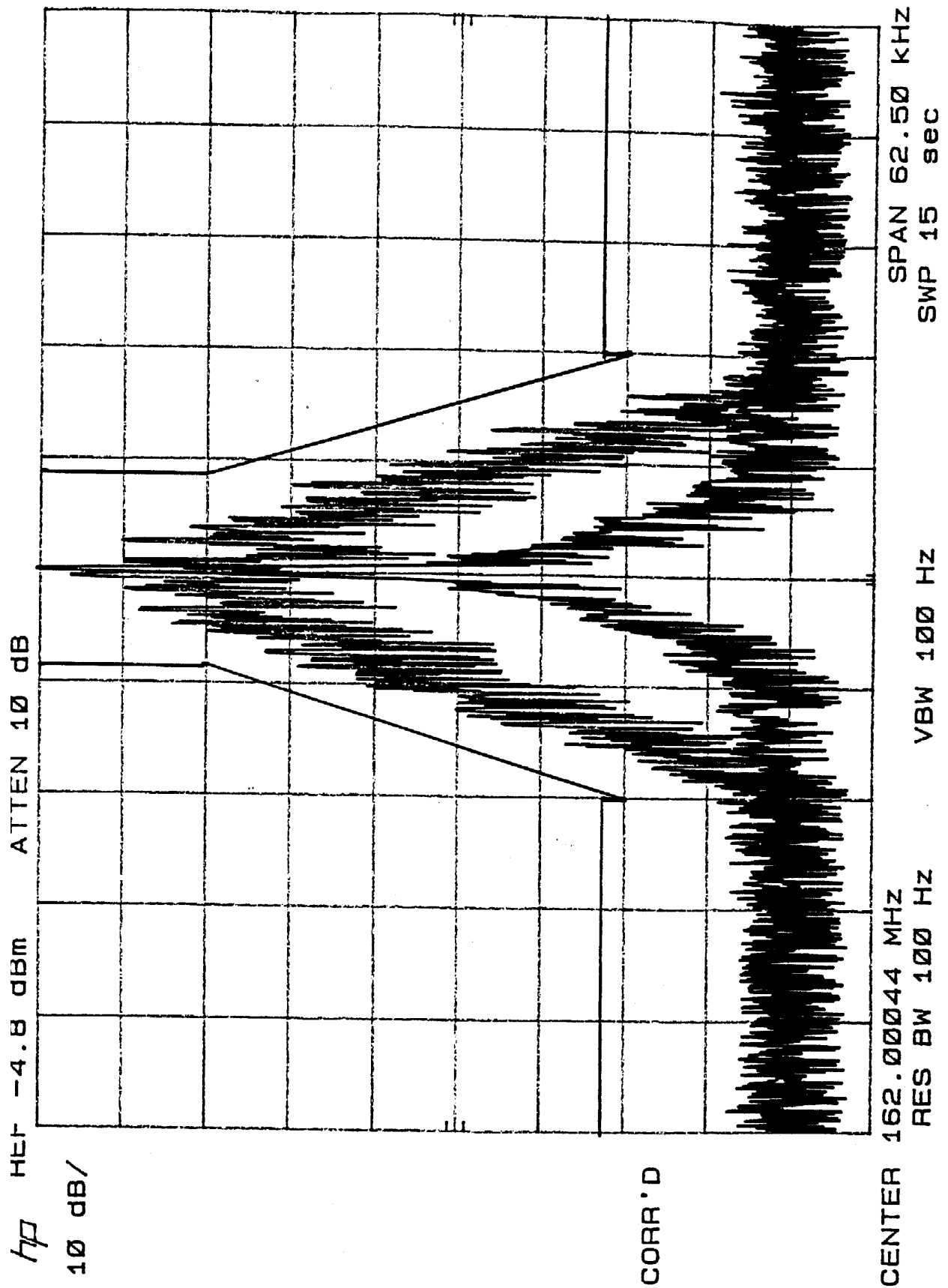
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038



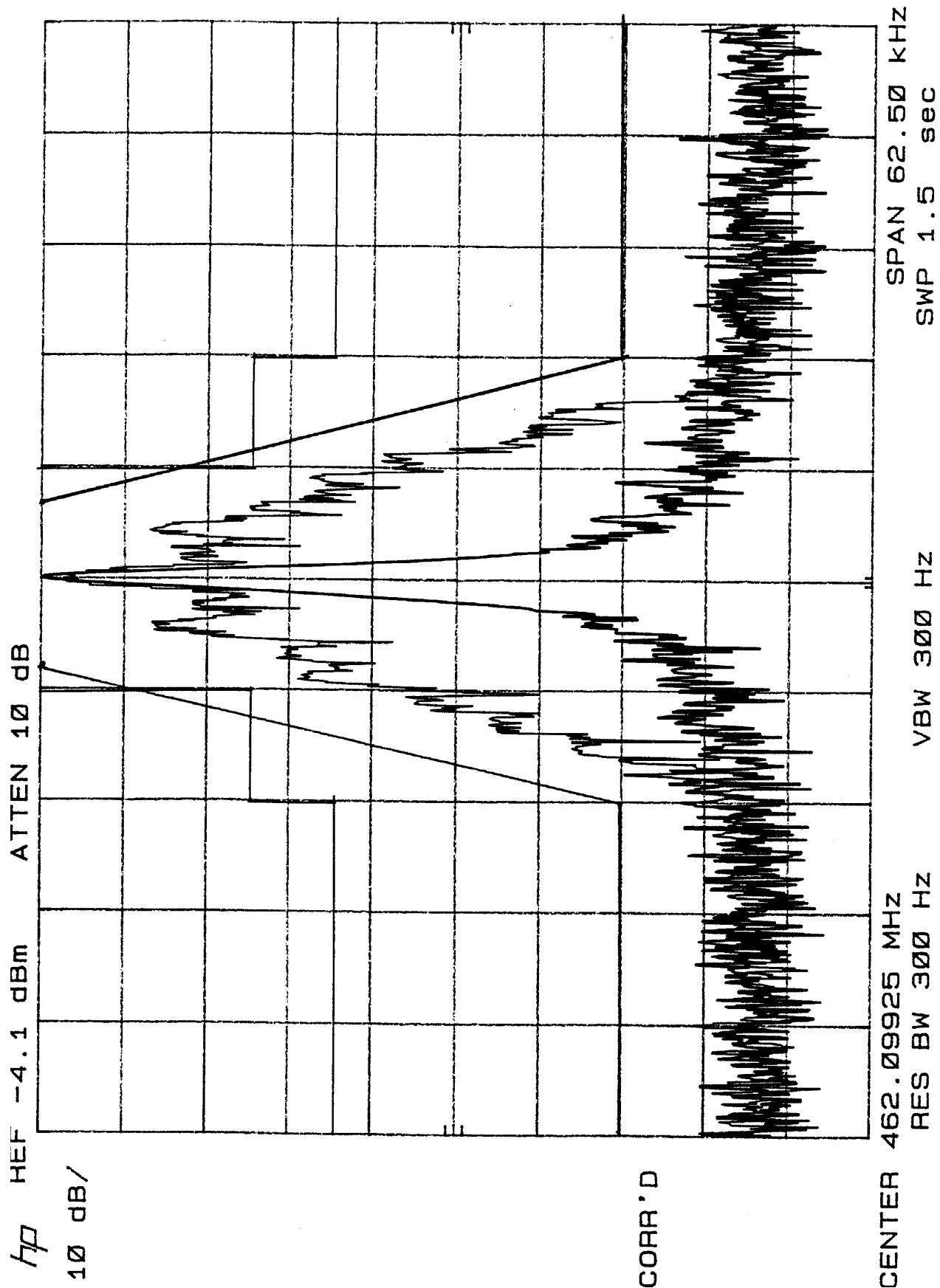
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038



Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

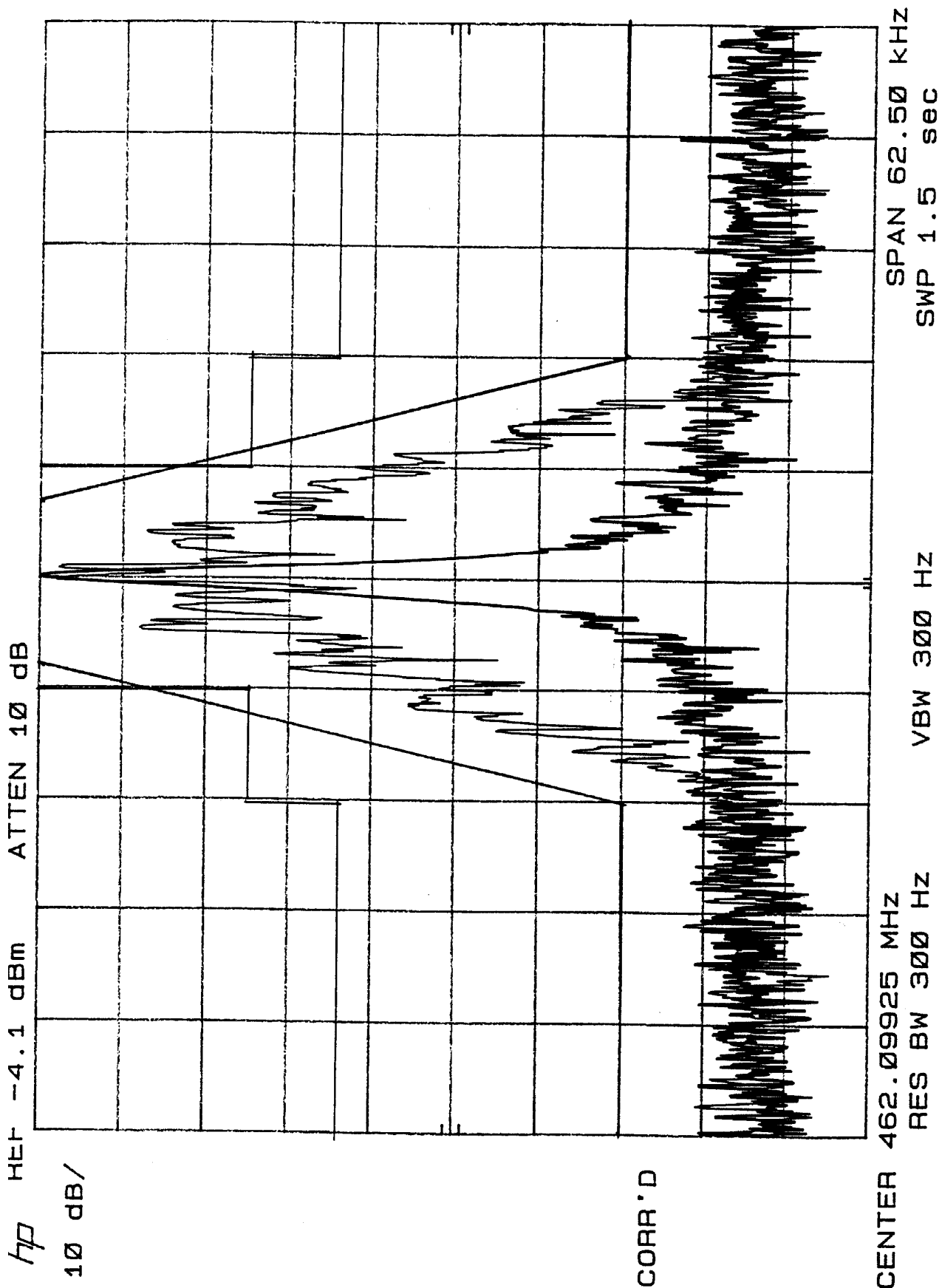


2000/3000 Hz FSK Data and PL Tone Modulation

Exhibit 6E-8

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

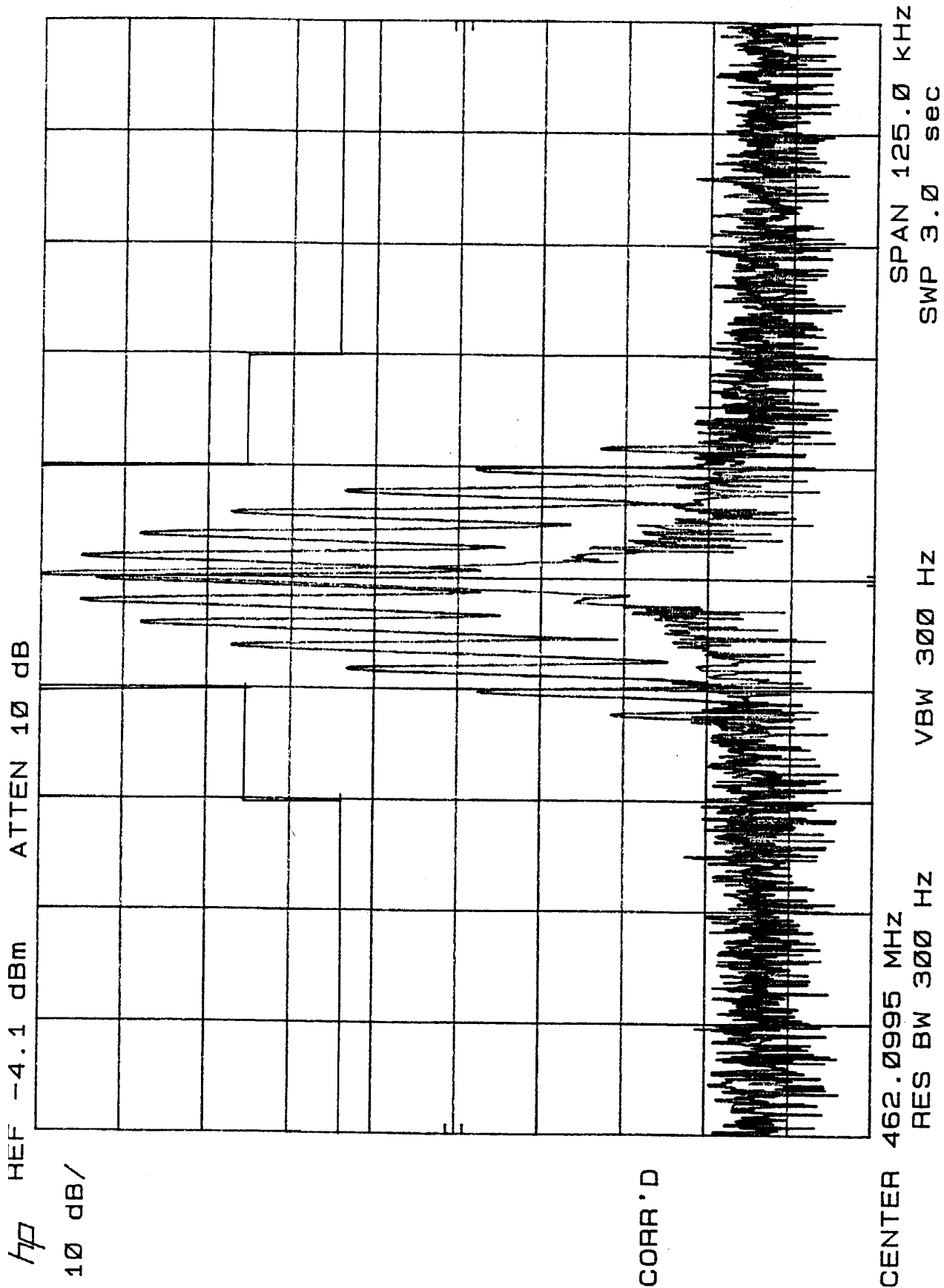


2000/3000 Hz FSK Data and DPL Tone Modulation

Exhibit 6E-9

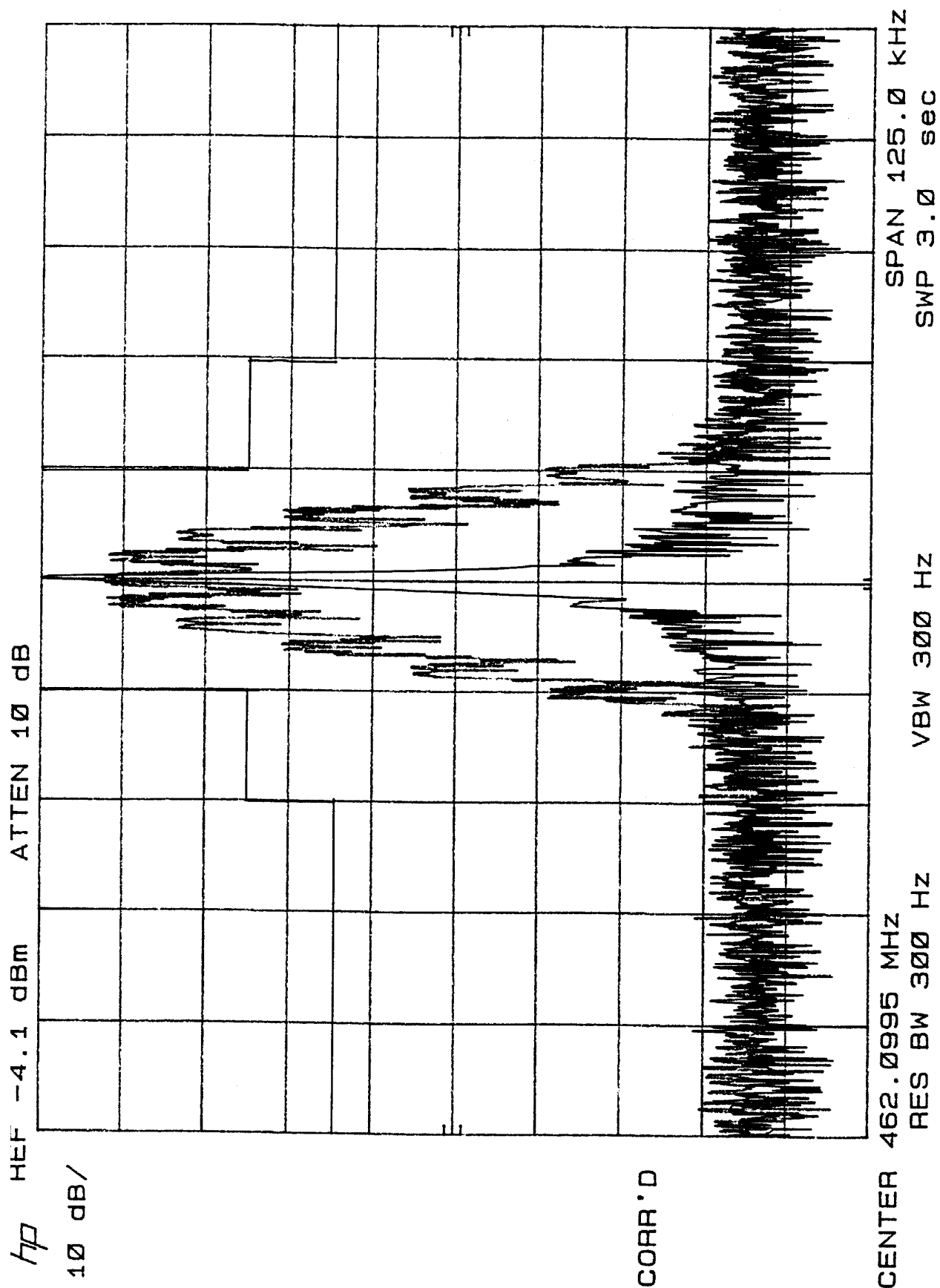
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038



Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

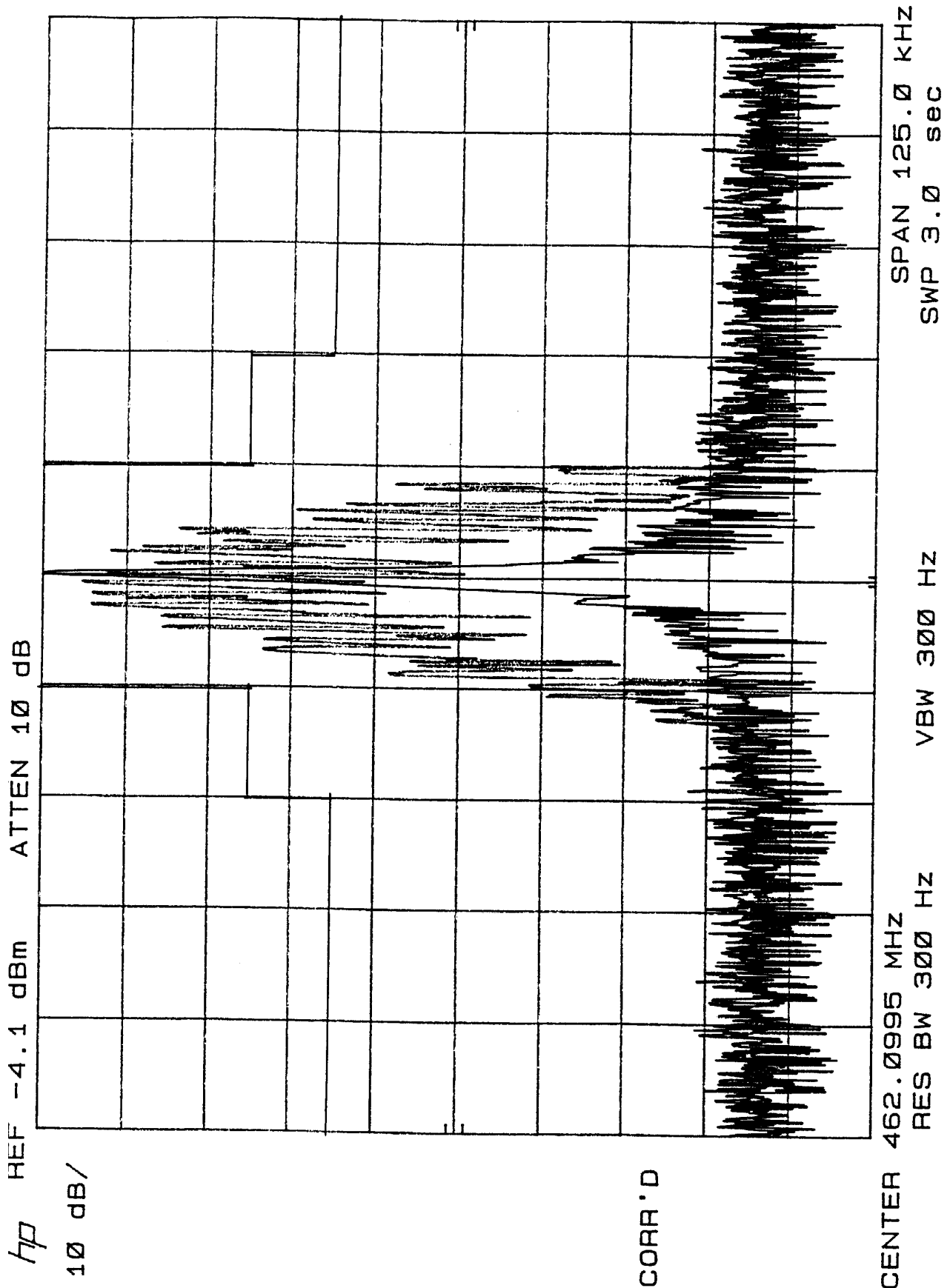


2500 Hz Audio and PL Tone Modulation

Exhibit 6E-11

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

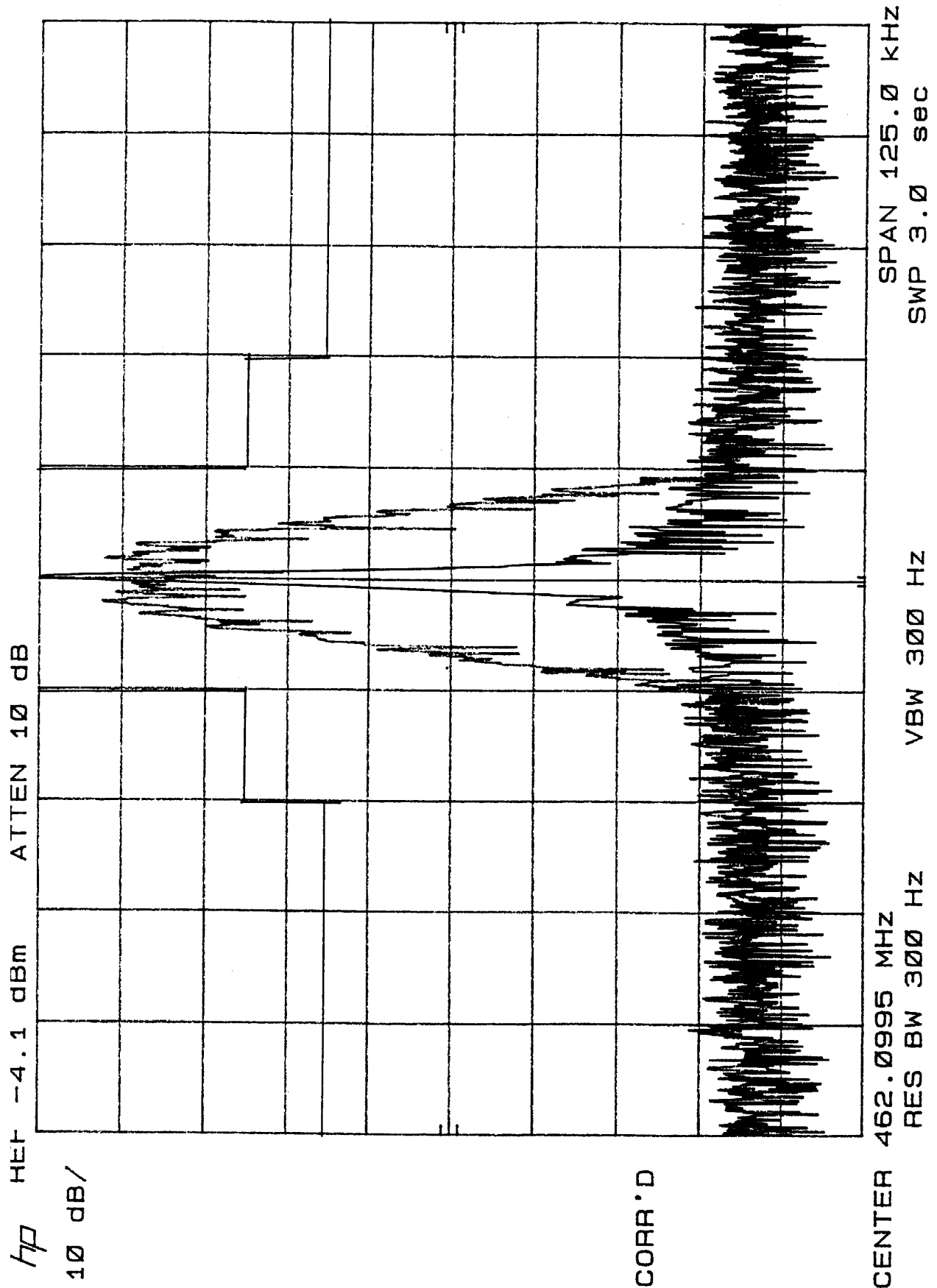


2500 Hz Audio and DPL Modulation

Exhibit 6E-12

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

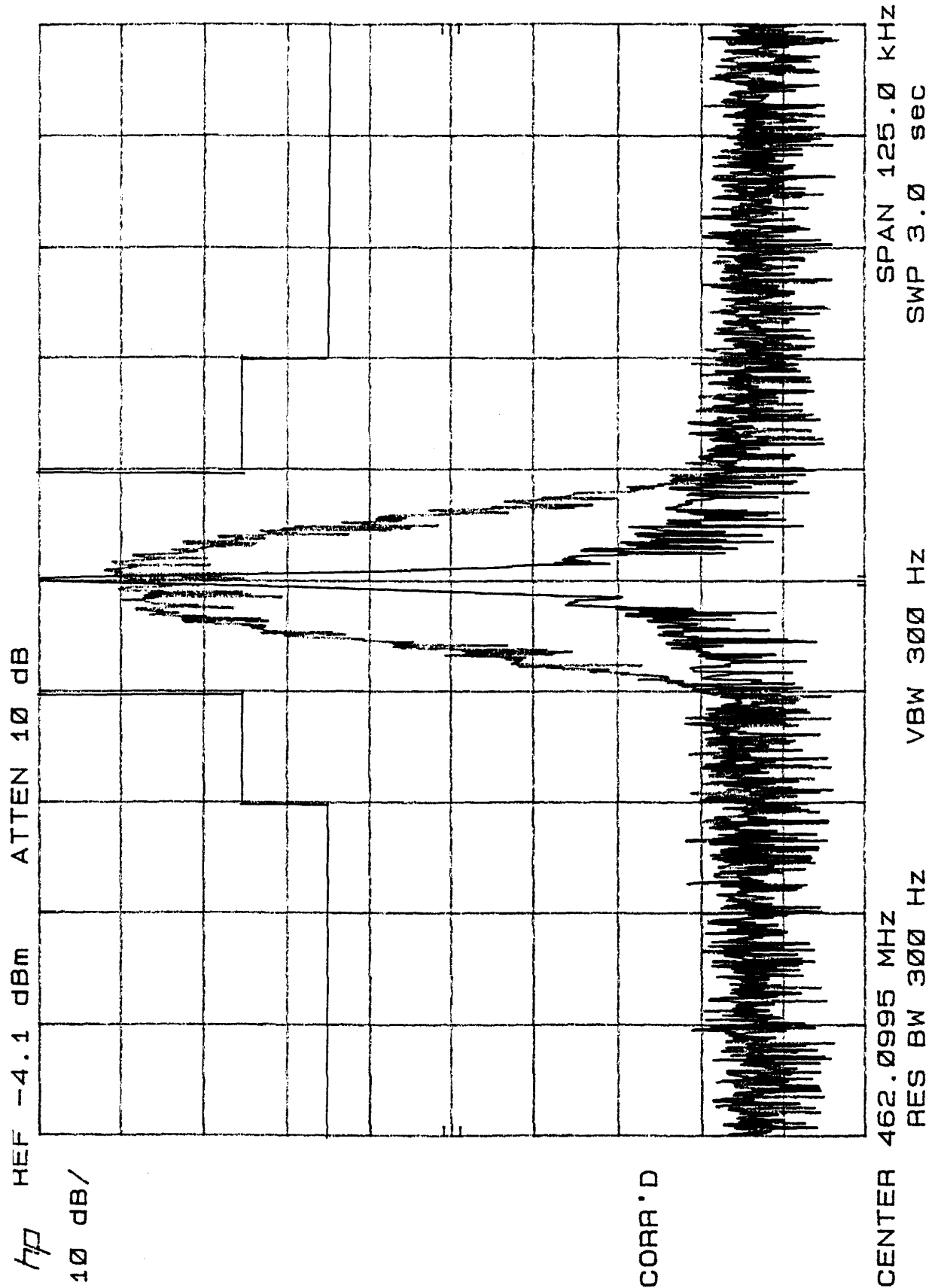


DTMF Modulation Only

Exhibit 6E-13

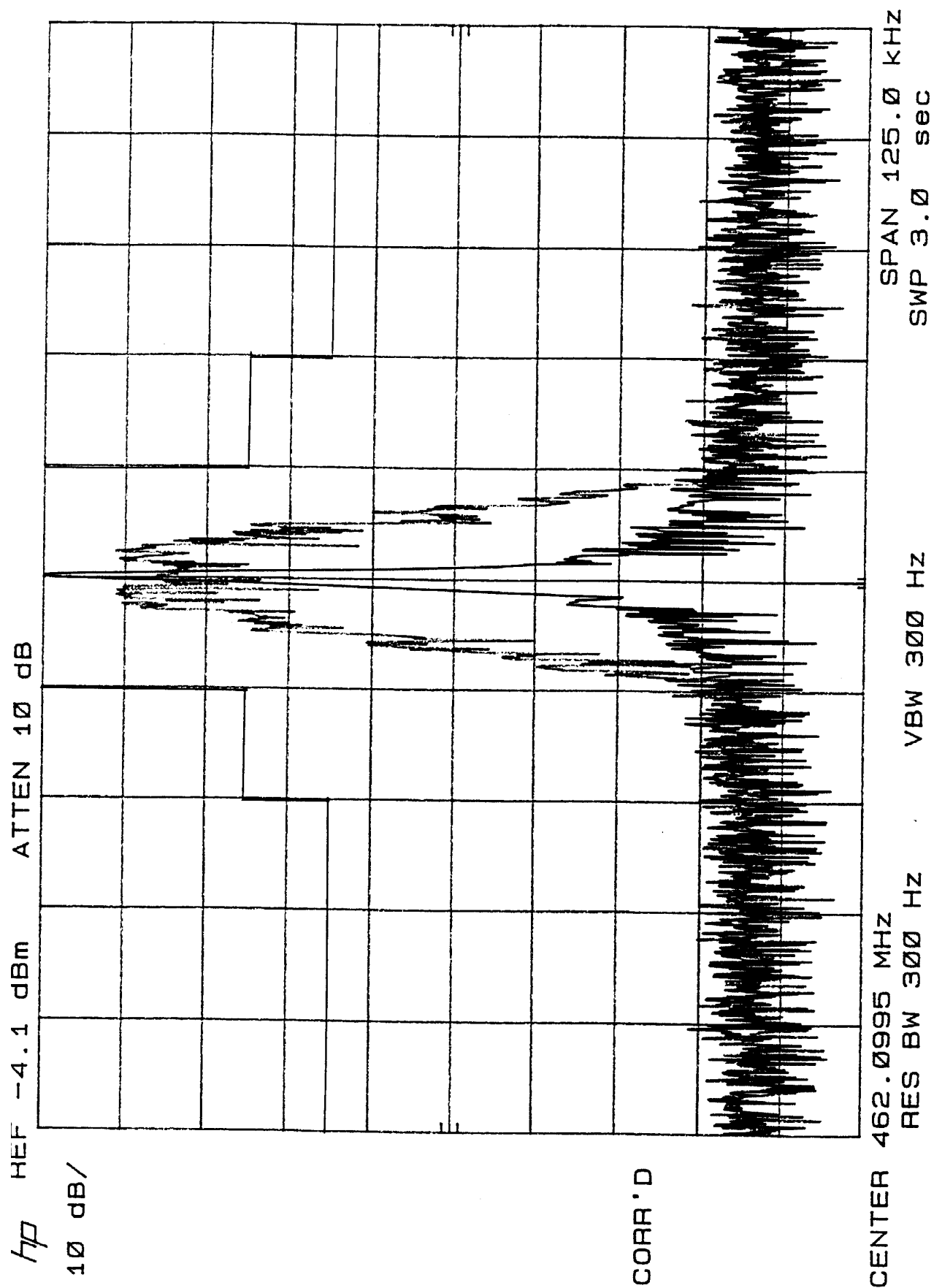
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038



Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038



DTMF Modulation and DPL Modulation

Exhibit 6E-15

79

10 dB/

CORR.D

CENTER

62.0995 MHZ

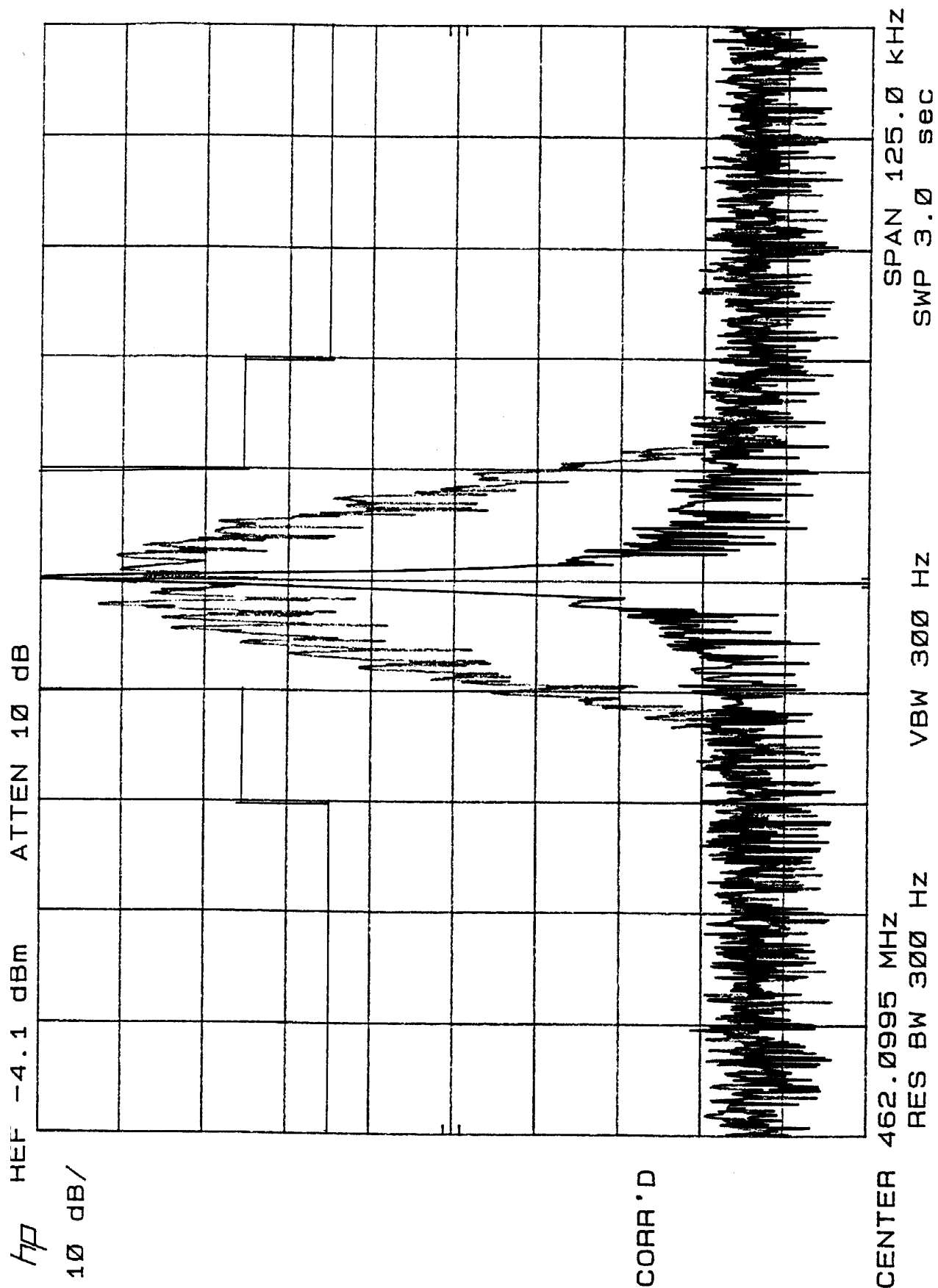
RES BW 300 HZ

VBW 300 Hz

SPAN 125.0 KHZ
SWP 3.0 sec

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

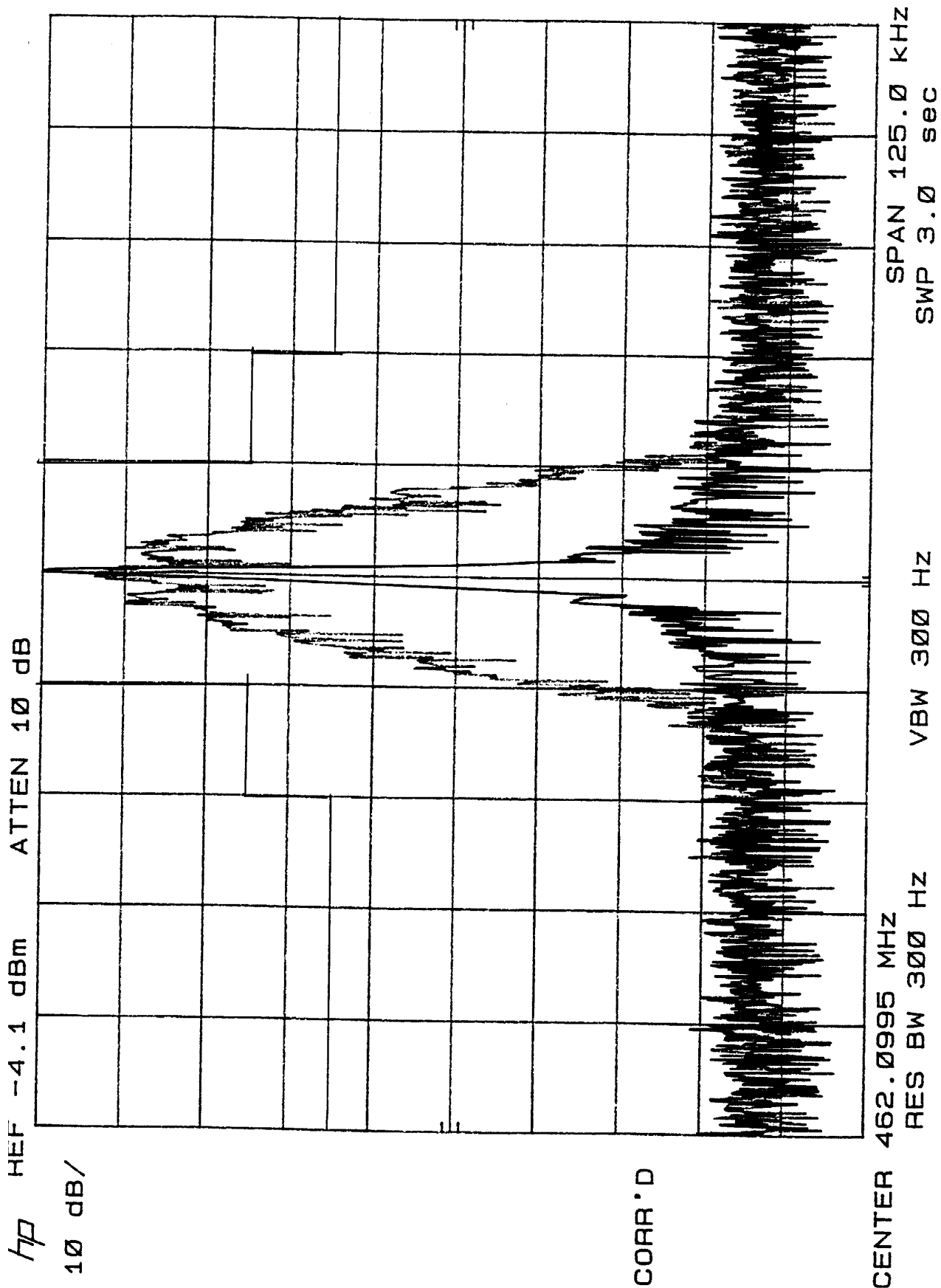


2000/3000 Hz FSK Data Modulation Only

Exhibit 6E-16

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

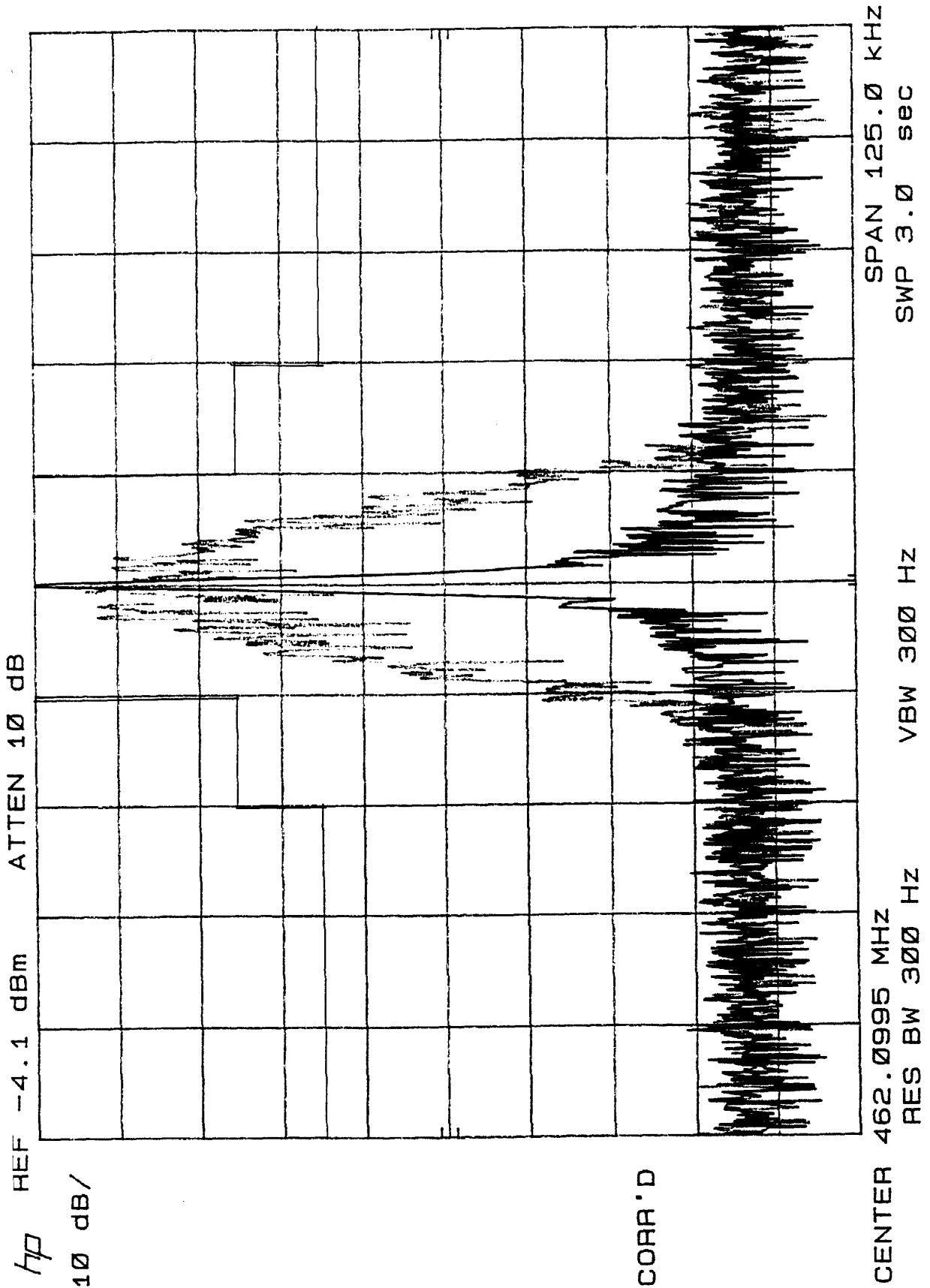


2000/3000 Hz FSK Data and PL Tone Modulation

Exhibit 6E-17

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038



Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC CONDUCTED SPURIOUS and HARMONIC EMISSIONS

Reference ABZ99FT3038
Method SEE EXHIBIT 7
Date 29-JULY 1999
Signature C. Allain

Transmitter Type: See Above
Power Output: 30.00W at 150.0000MHz

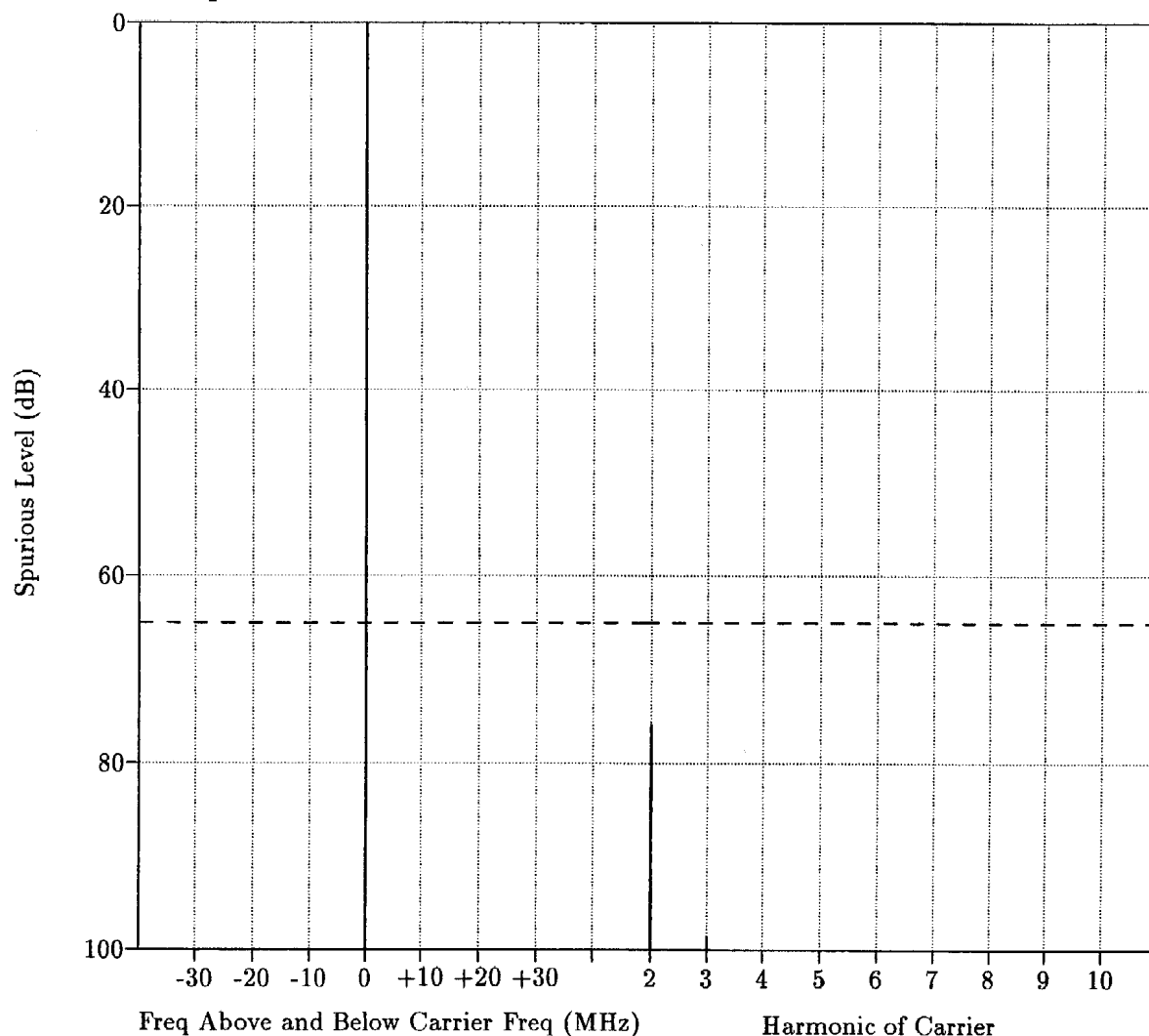


EXHIBIT 6F-1

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC CONDUCTED SPURIOUS and HARMONIC EMISSIONS

Reference ABZ99FT3038
Method SEE EXHIBIT 7
Date 29-JULY 1999
Signature C. Allison

Transmitter Type: See Above
Power Output: 30.00W at 162.0000MHz

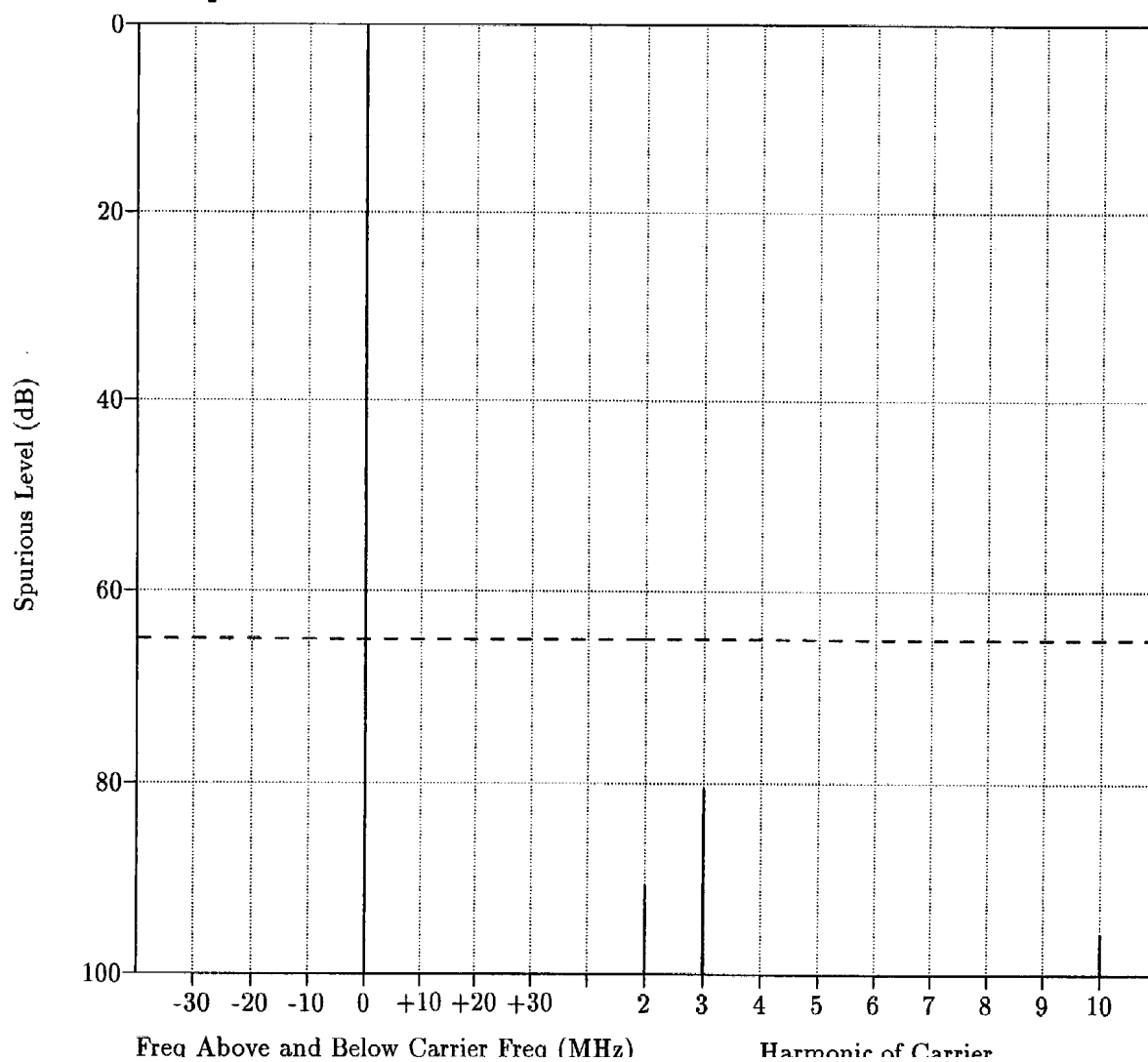


EXHIBIT 6F-2

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

MOTOROLA INC.

**TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC
CONDUCTED SPURIOUS and HARMONIC EMISSIONS**

Reference ABZ 99FT3038
Method SEE EXHIBIT 7
Date 29-JULY 1999
Signature C. Allieas

Transmitter Type: See Above
Power Output: 30.00W at 174.0000MHz

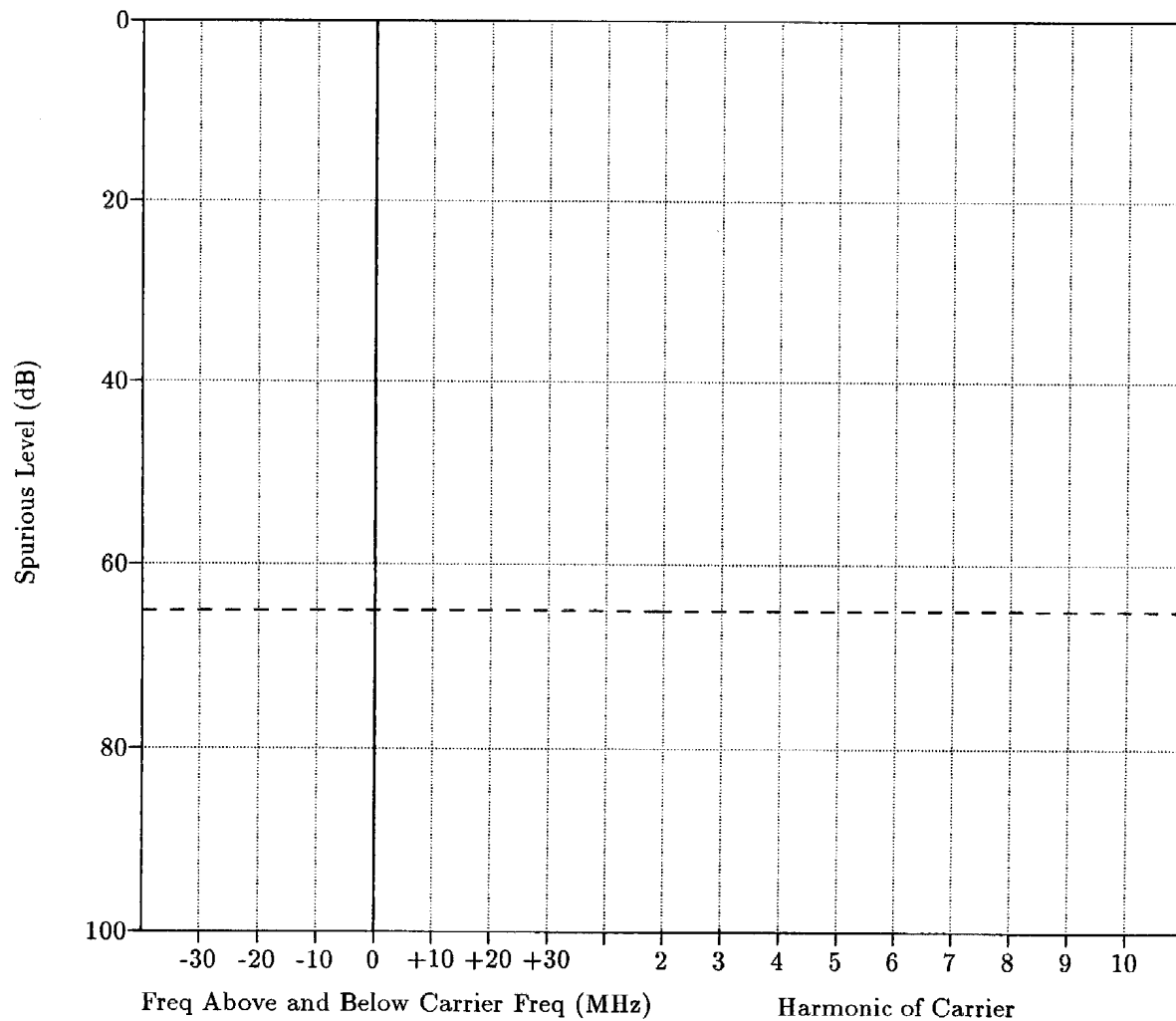


EXHIBIT 6F-3

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC CONDUCTED SPURIOUS and HARMONIC EMISSIONS

Reference ABZ99FT3038
Method SEE EXHIBIT 7
Date 29-JULY 1999
Signature C. allison

Transmitter Type: See Above
Power Output: 10.00W at 150.0000MHz

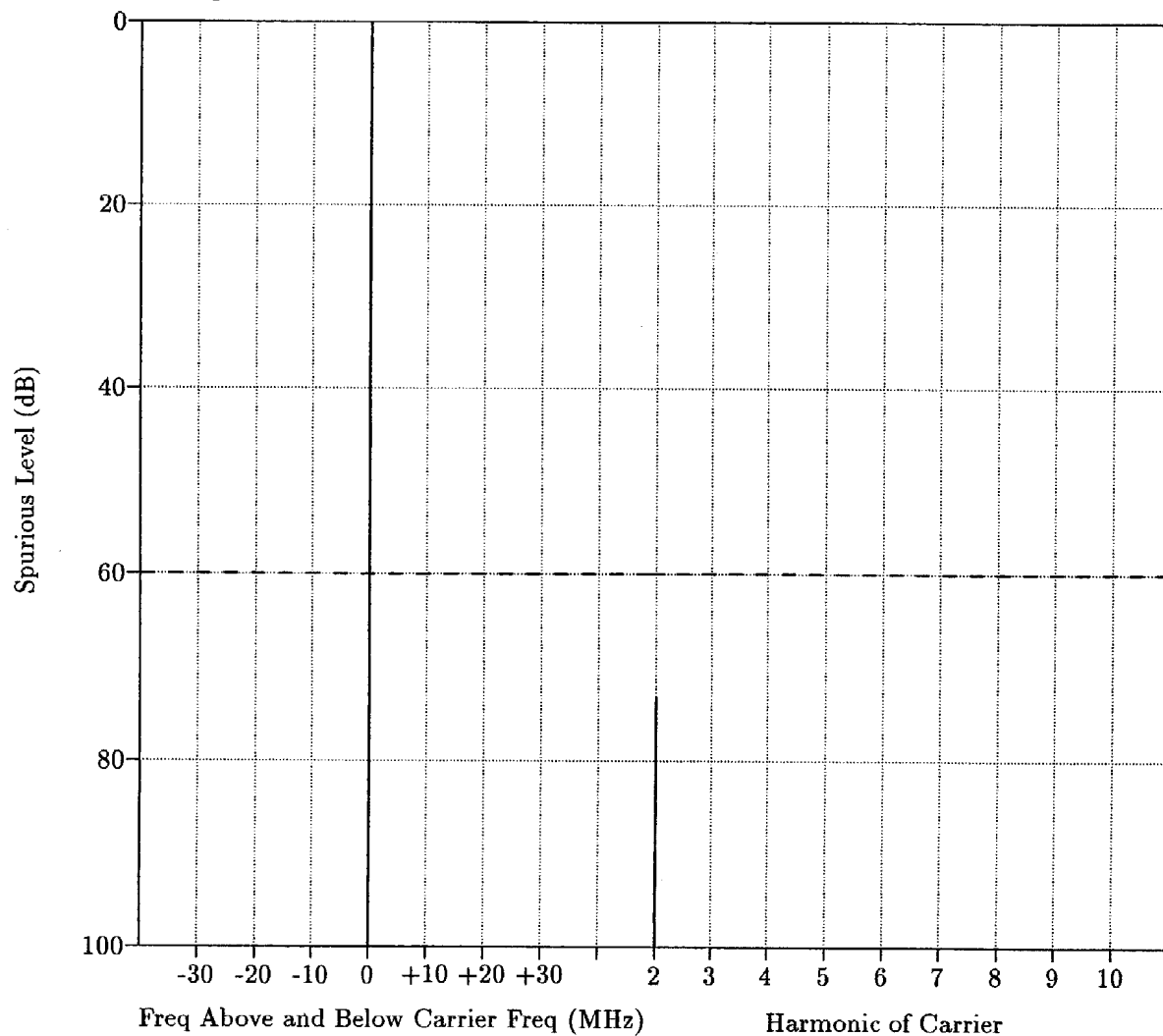


EXHIBIT 6F-4

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC CONDUCTED SPURIOUS and HARMONIC EMISSIONS

Reference ABZ99FT 3038
Method SEE EXHIBIT 7
Date 29-JULY 1999
Signature C. Allison

Transmitter Type: See Above
Power Output: 10.00W at 162.0000MHz

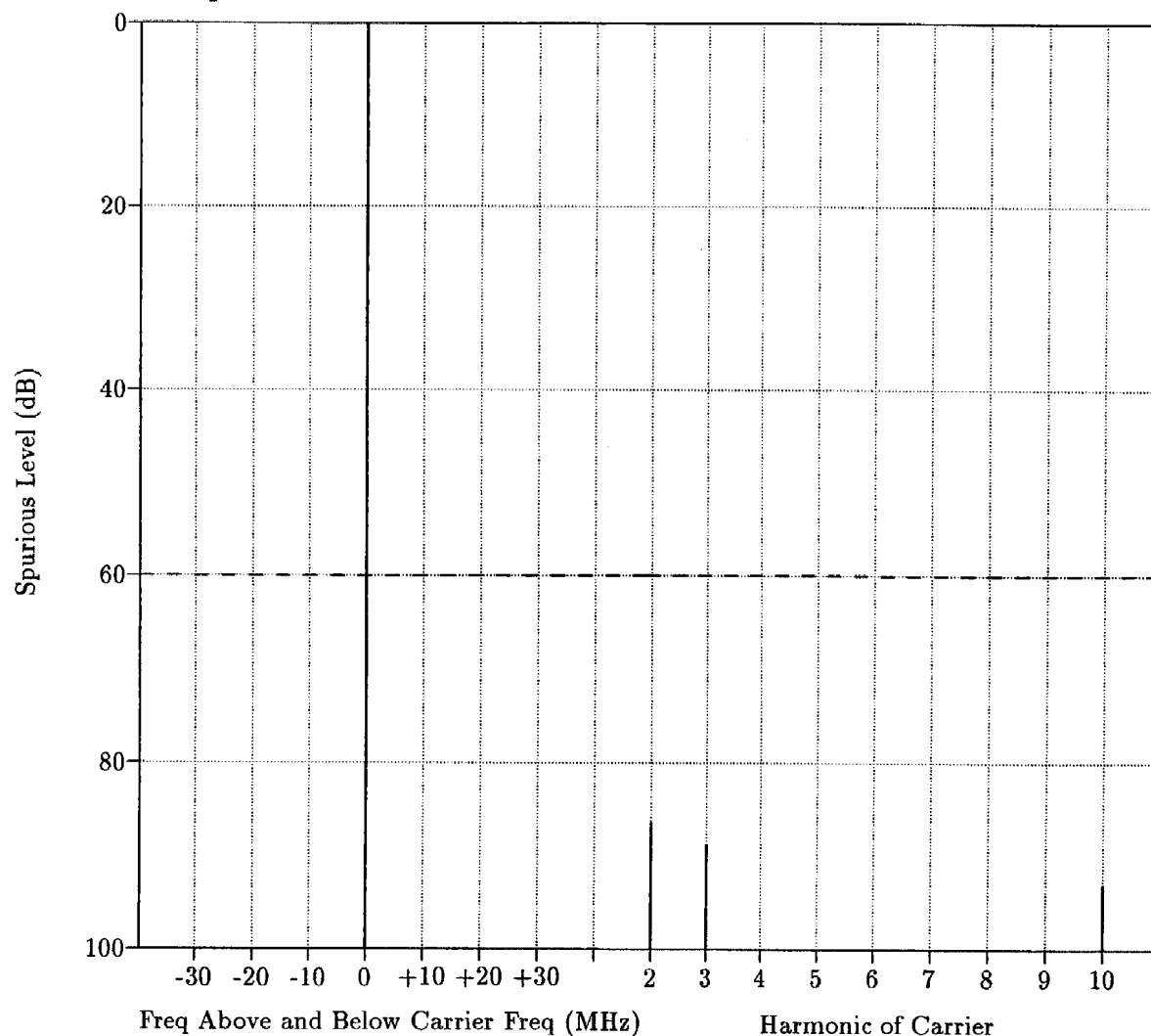


EXHIBIT 6F-5

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

MOTOROLA INC.

**TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC
CONDUCTED SPURIOUS and HARMONIC EMISSIONS**

Reference ABZ99FT3038
Method SEE EXHIBIT 7
Date 29-JULY 1999
Signature C. Allison

Transmitter Type: See Above

Power Output: 10.00W at 174.0000MHz

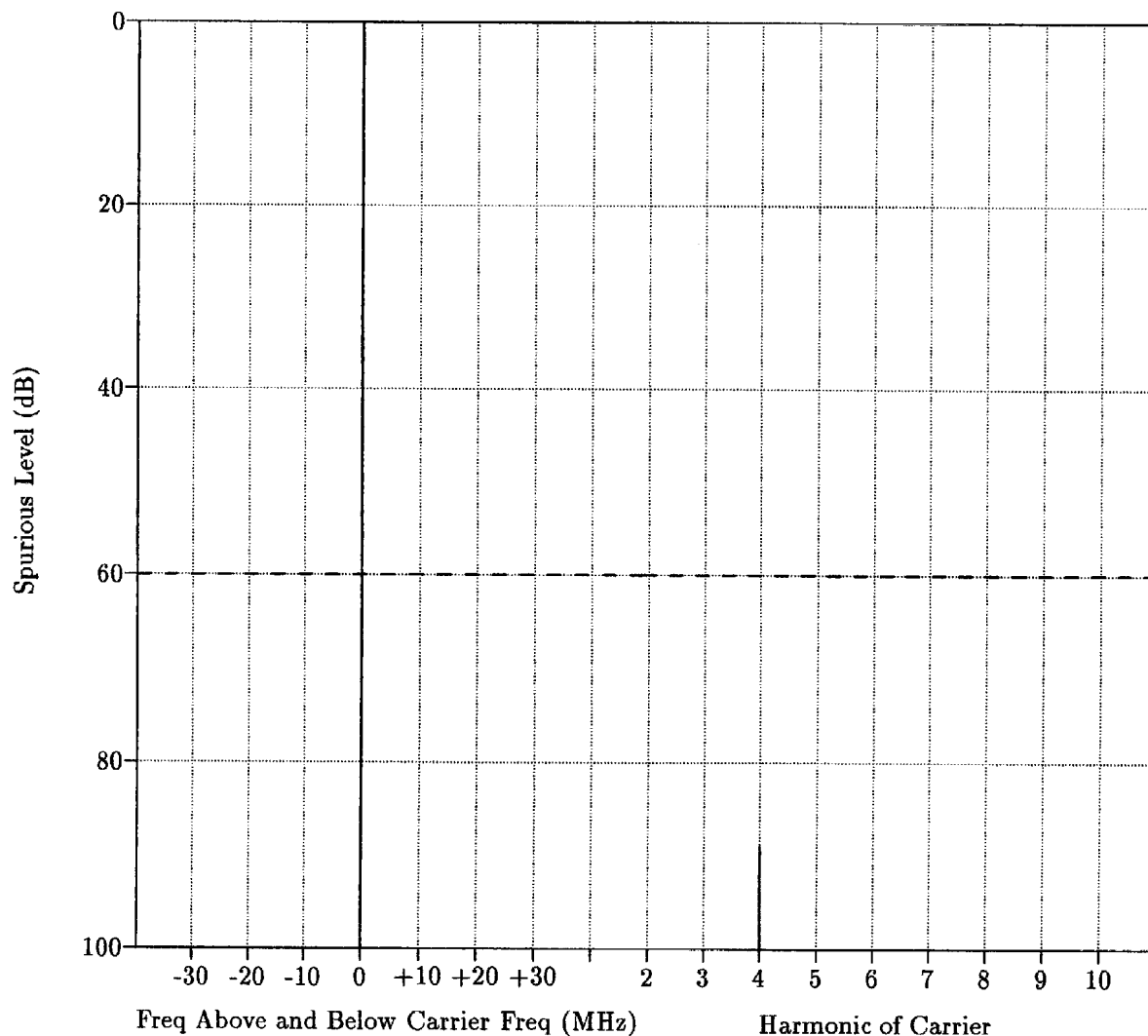


EXHIBIT 6F-6

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC RADIATED SPURIOUS and HARMONIC EMISSIONS

Reference ABZ99FT3038
Method SEE EXHIBIT 7
Date 29-JULY 1999
Signature C. Allison

Antenna Polarization: **HORIZONTAL**
Power Output: **30.00W at 162.0000MHz**

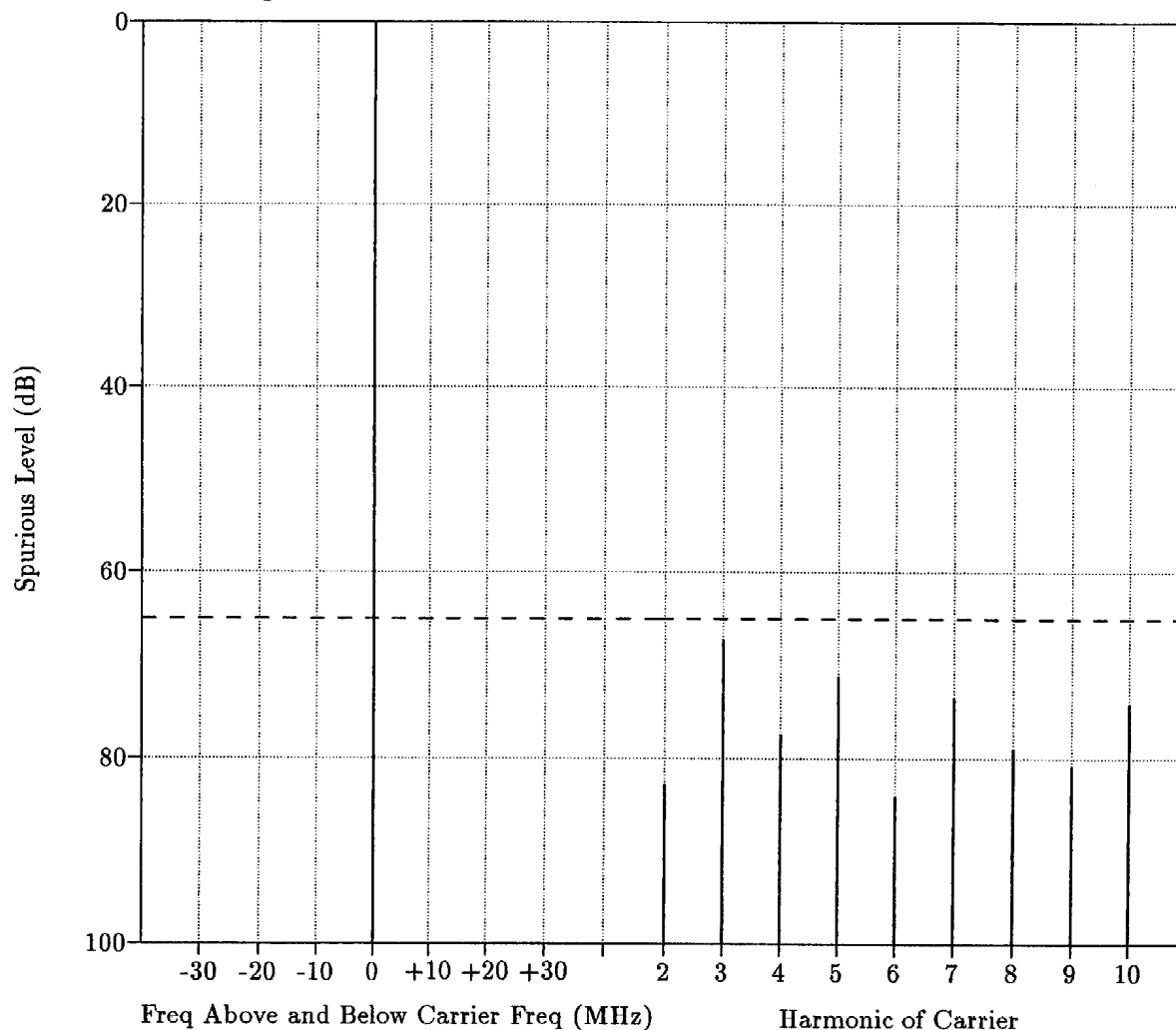


EXHIBIT 6G-1

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

MOTOROLA INC.

**TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC
RADIATED SPURIOUS and HARMONIC EMISSIONS**

Reference ABZ99FT3038
Method SEE EXHIBIT 7
Date 29-JULY 1999
Signature C. Allison

Antenna Polarization: **VERTICAL**
Power Output: **30.00W at 162.0000MHz**

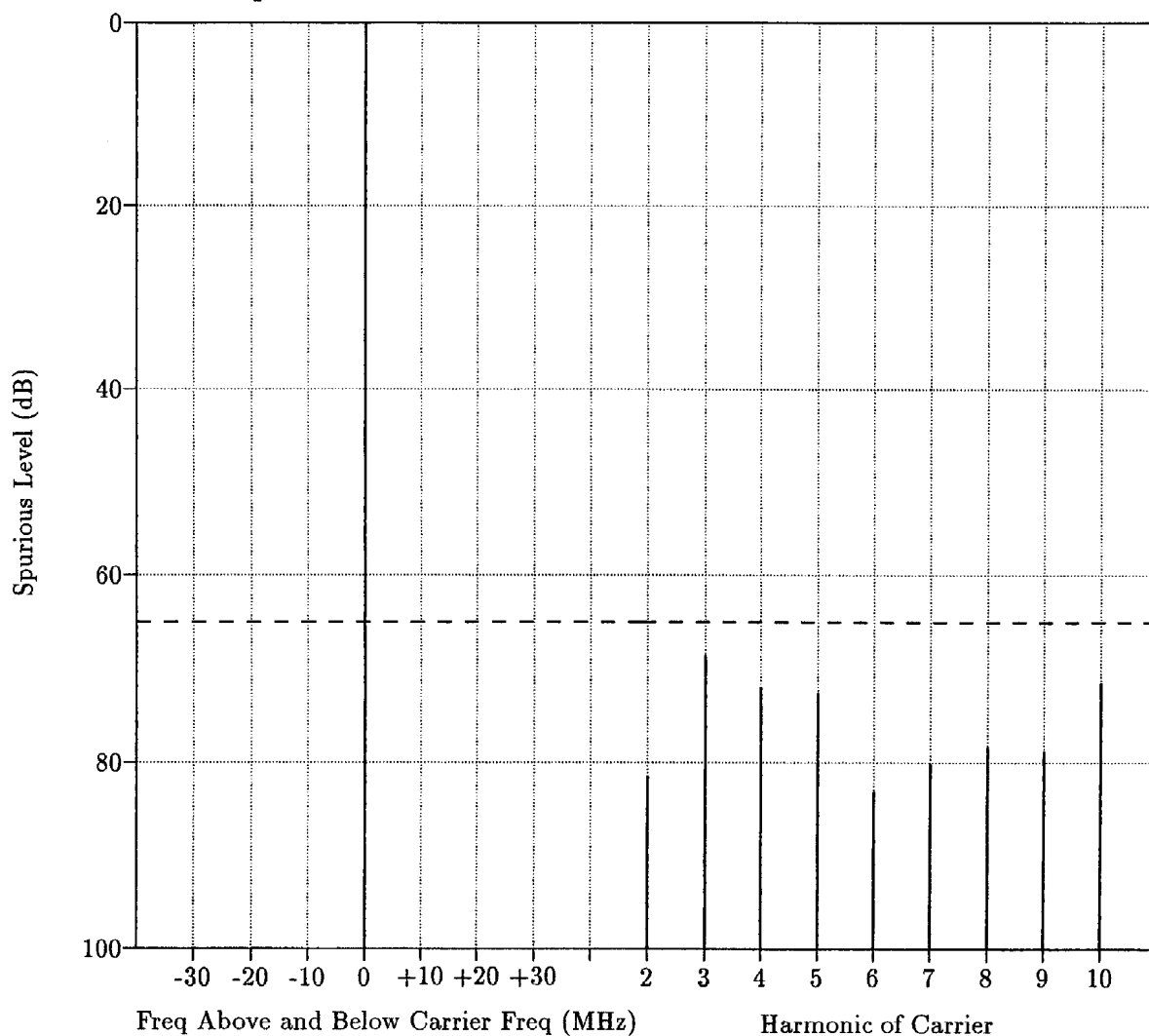


EXHIBIT 6G-2

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

MOTOROLA INC.
CRYSTAL OSCILLATOR STABILITY CHARACTERISTIC
FREQUENCY vs. TEMPERATURE

Reference ABZ99FT3037
Method SEE EXHIBIT 9M
Date 3 Sept 1996
Signature G. D. Ry.

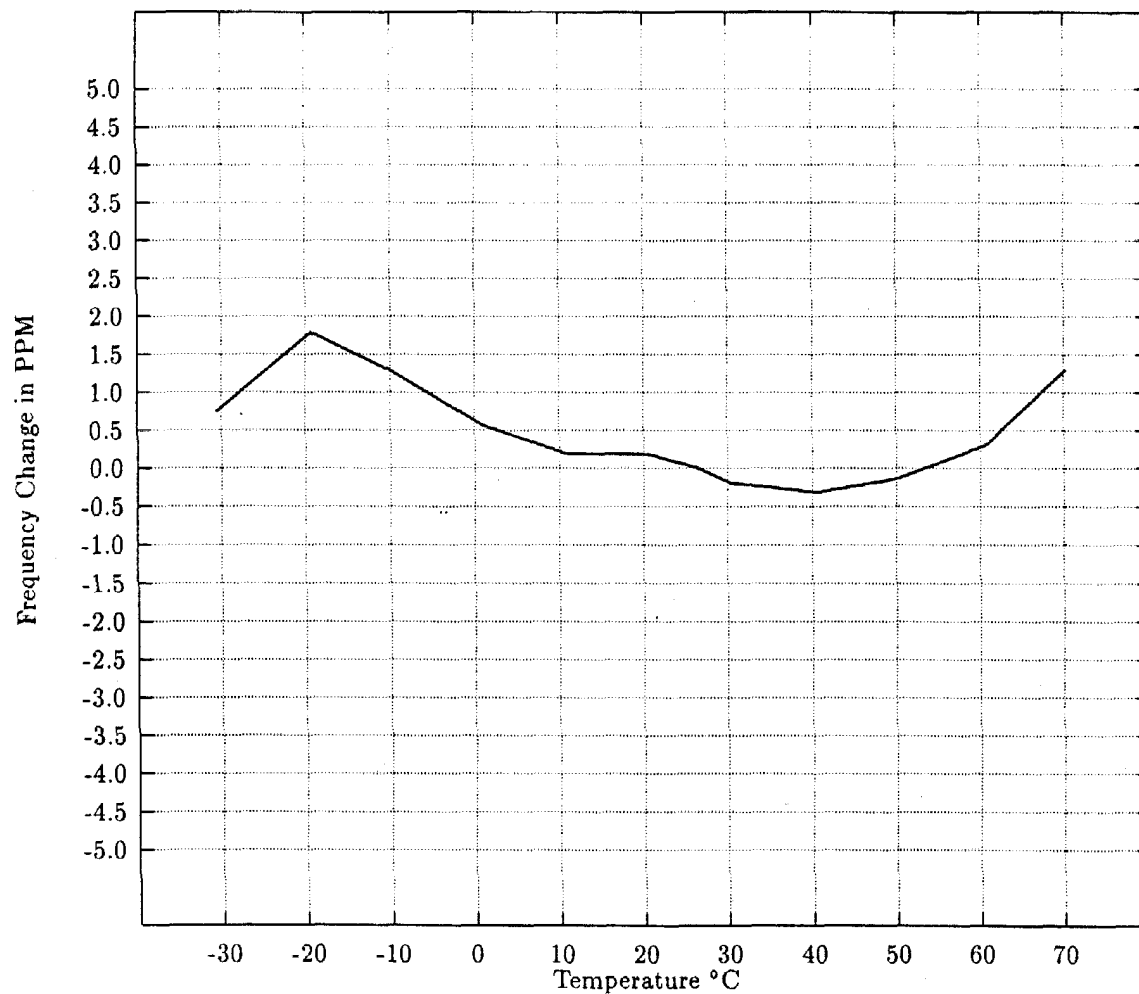


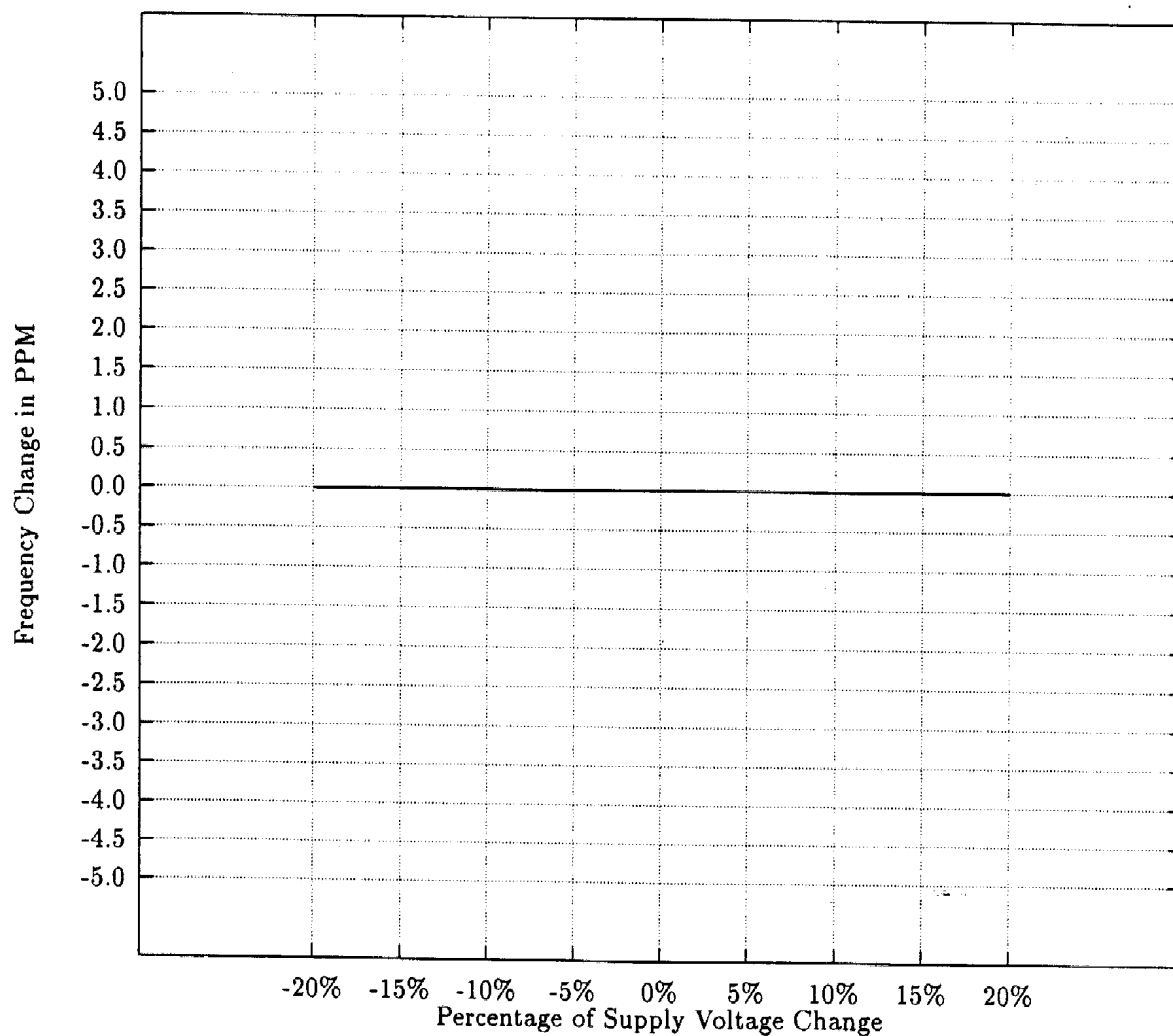
Exhibit 6H

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

MOTOROLA INC.
STABILITY CHARACTERISTIC
FREQUENCY vs. VOLTAGE

Reference ABZ99FT3037
Method SEE EXHIBIT 9m
Date 3 SEPT 1996
Signature G. D. B.



Applicant: Motorola, Inc.

Equipment Type: ABZ99FT3038

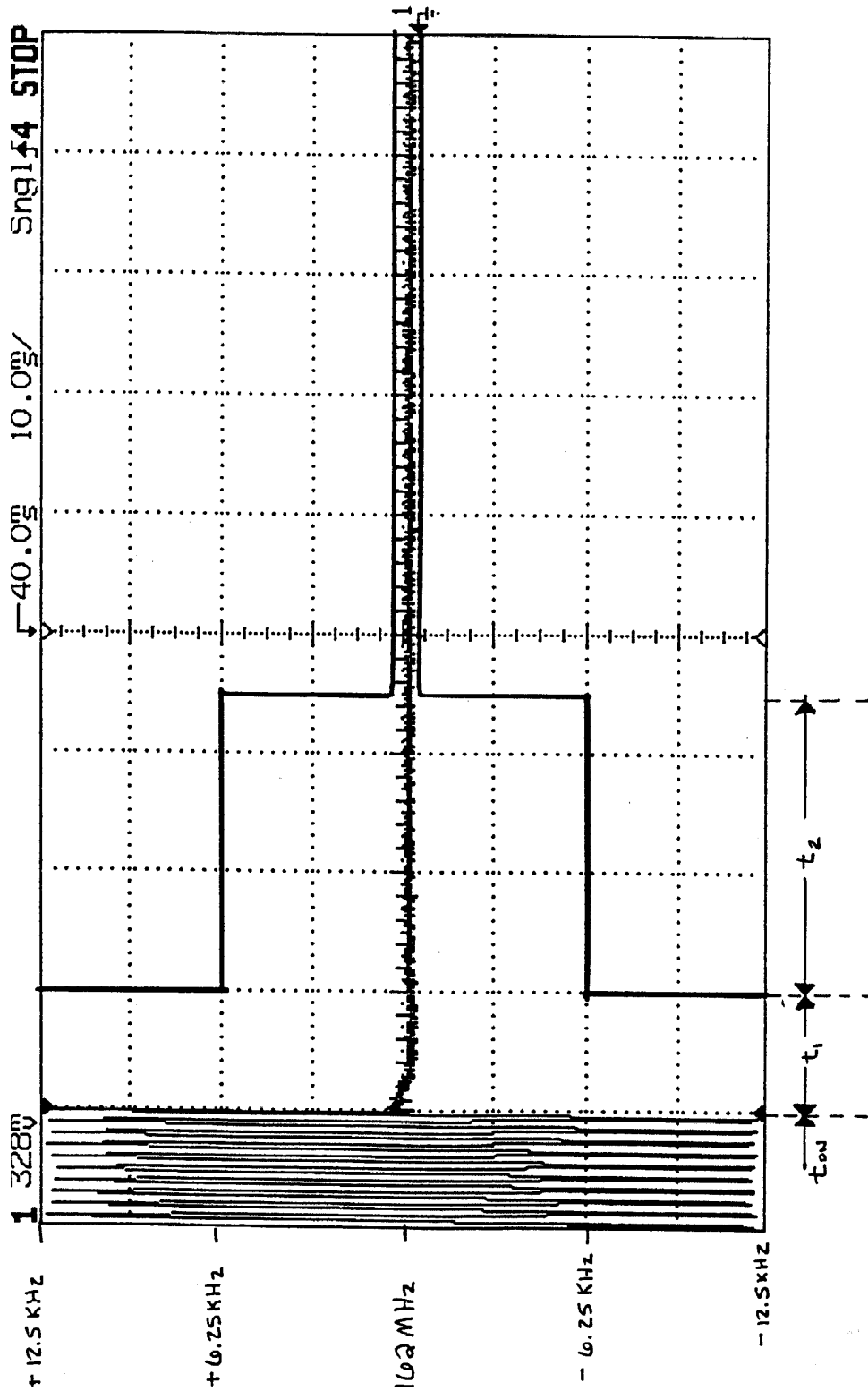
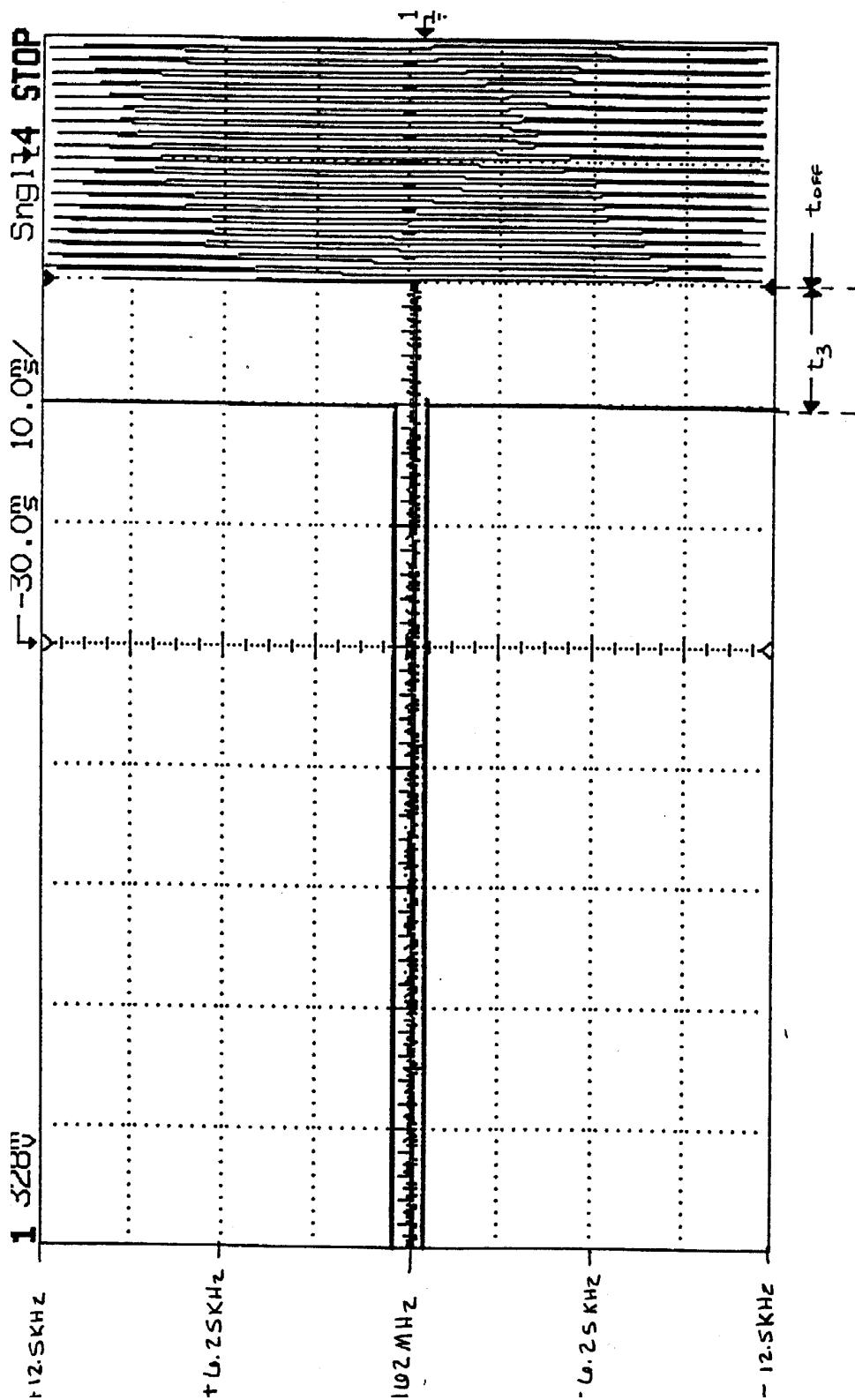
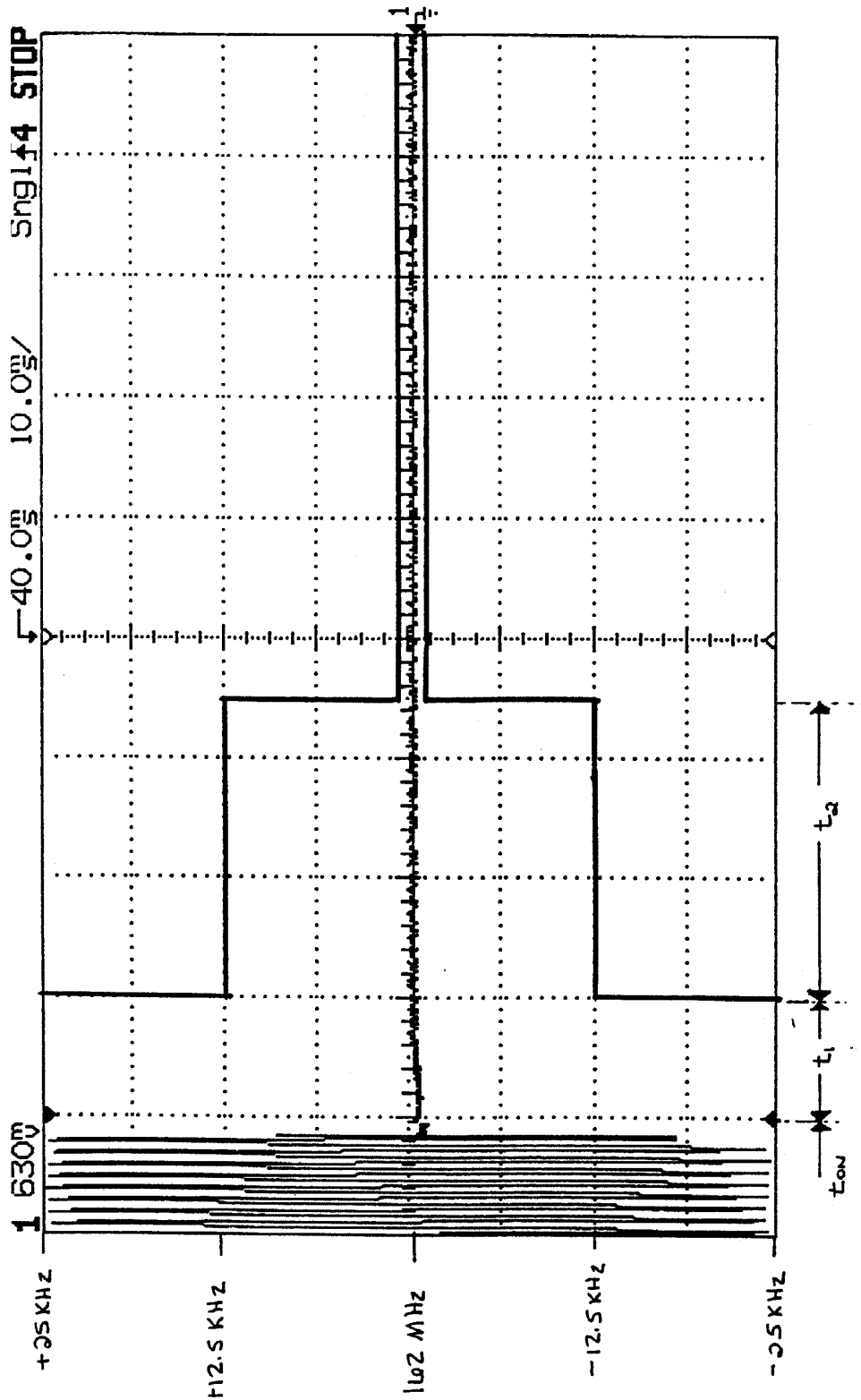


Exhibit 6K-1



Equipment Type: ABZ99FT3038

**Exhibit 6K-3**

Equipment Type: ABZ99FT3038

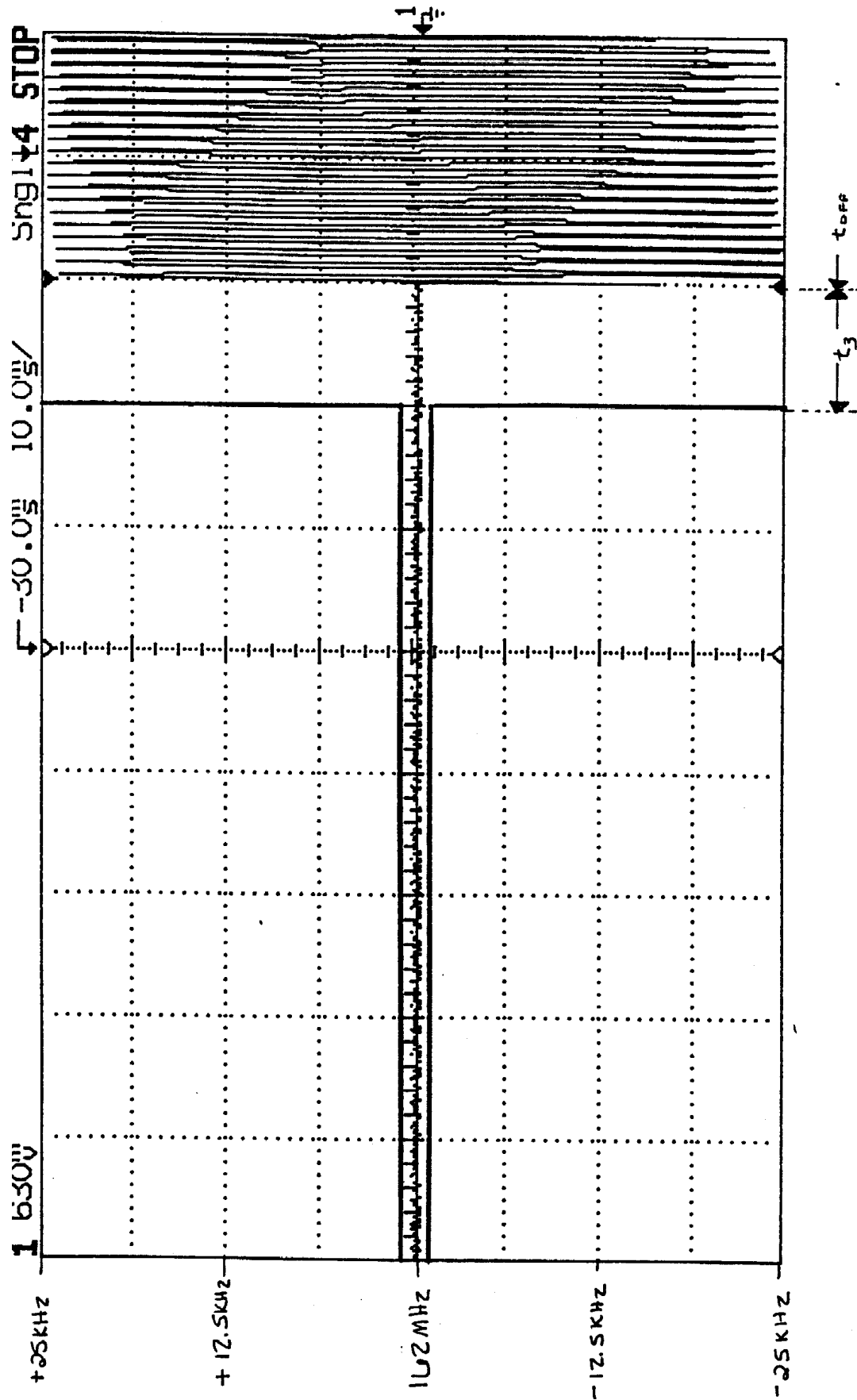


Exhibit 6K-4