

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

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, 450.000 MHz

6F-2 - 30 Watts, 462.000 MHz

6F-3 - 30 Watts, 474.000 MHz

6F-4 - 10 Watts, 450.000 MHz

6F-5 - 10 Watts, 462.000 MHz

6F-6 - 10 Watts, 474.000 MHz

Index To Submitted Measured Data (continued)

EXHIBIT 6G - Radiated Spurious Emissions (4 Graphs)

6G-1 - 30 Watts, 462.000 MHz, Horizontal

6G-2 - 30 Watts, 462.000 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 ABZ99FT4044

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

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.

HIGH-POWER SETTING, FREQUENCY 450.000 MHz

Measured RF Output Power:	25.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Current:	10.18 Amperes
Measured DC Input Power:	138.45 Watts

HIGH-POWER SETTING, FREQUENCY 474.000 MHz

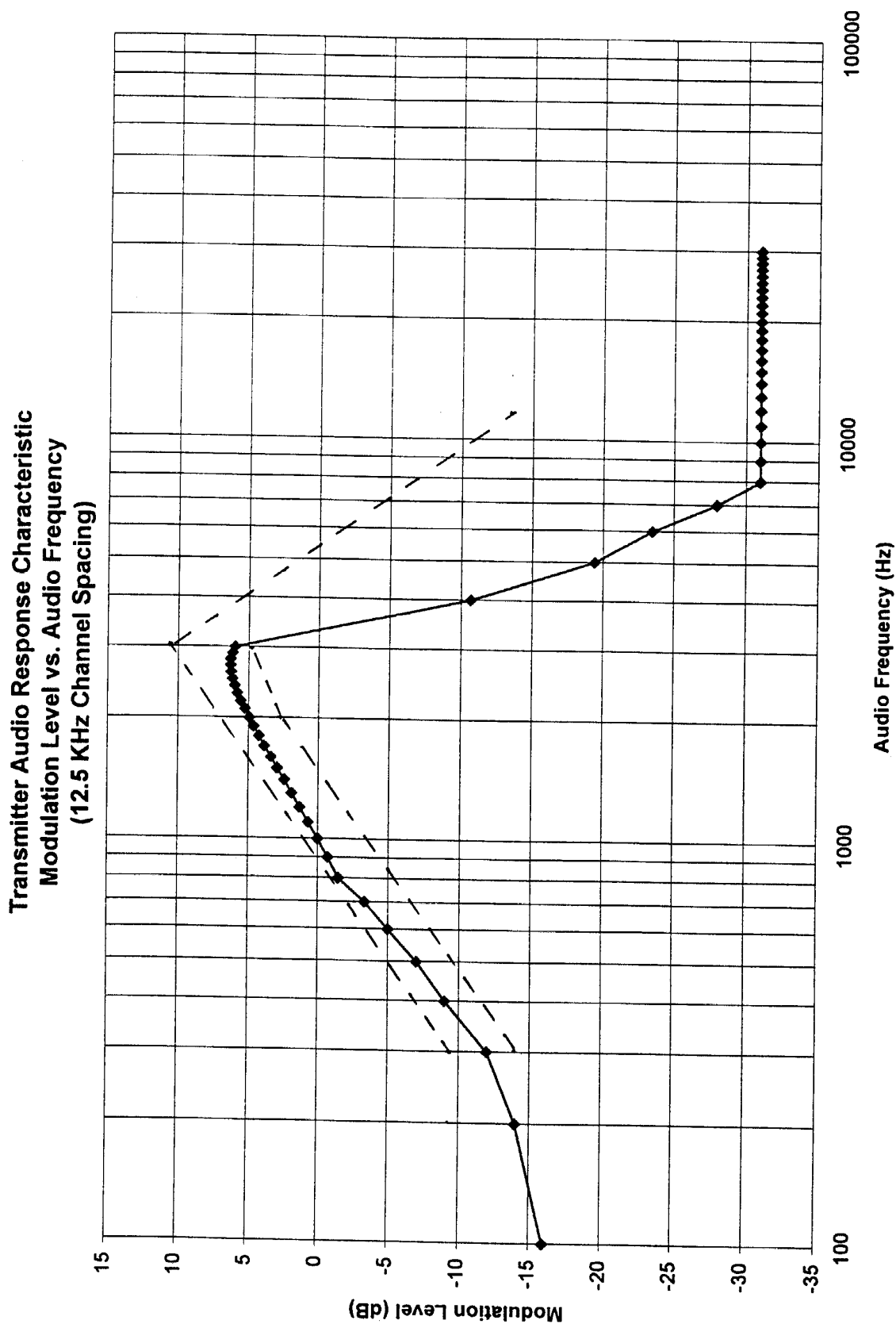
Measured RF Output Power:	25.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Current:	9.74 Amperes
Measured DC Input Power:	132.46 Watts

LOW-POWER SETTING, FREQUENCY 450.000 MHz

Measured RF Output Power:	10.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Current:	6.93 Amperes
Measured DC Input Power:	94.25 Watts

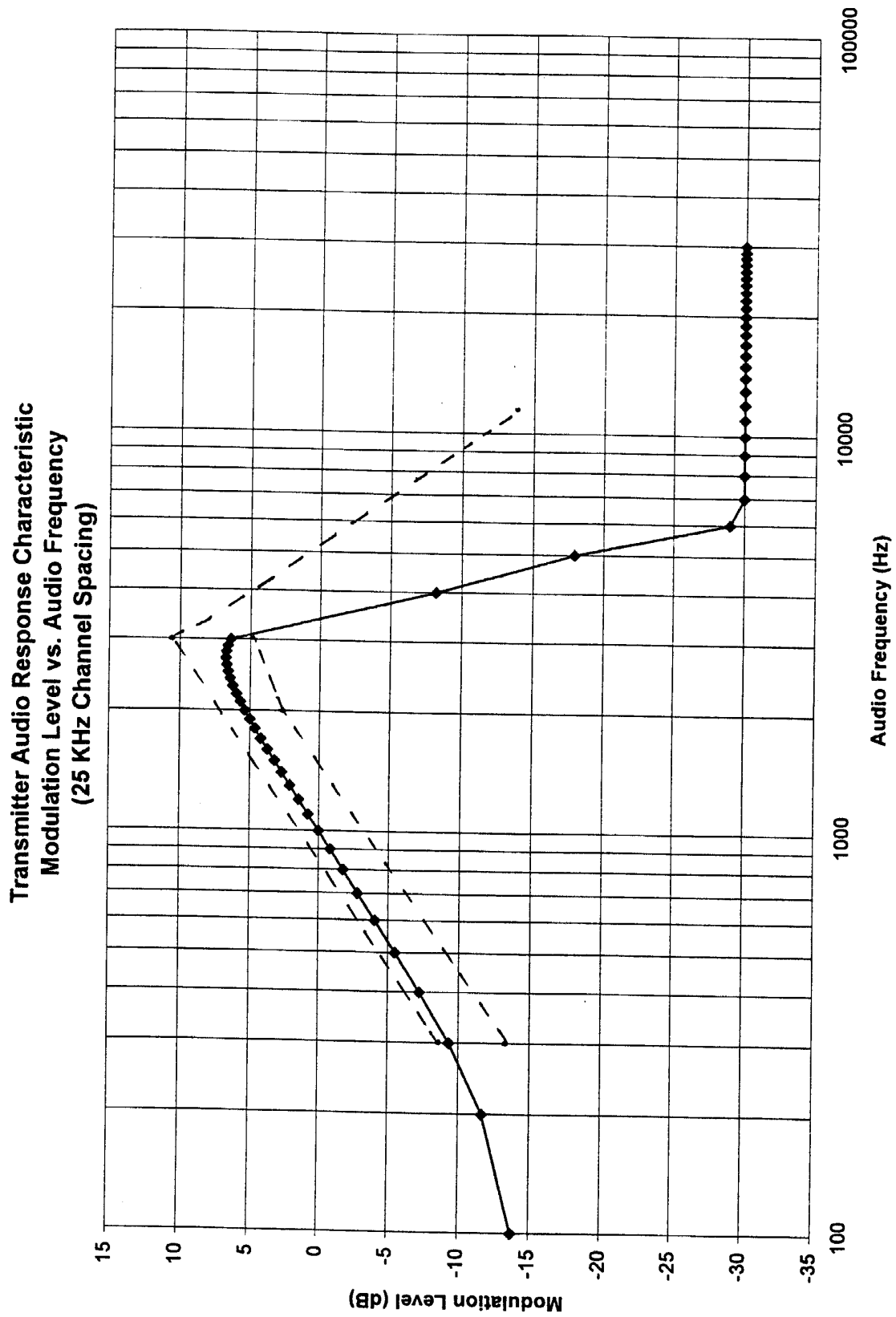
LOW-POWER SETTING, FREQUENCY 474.000 MHz

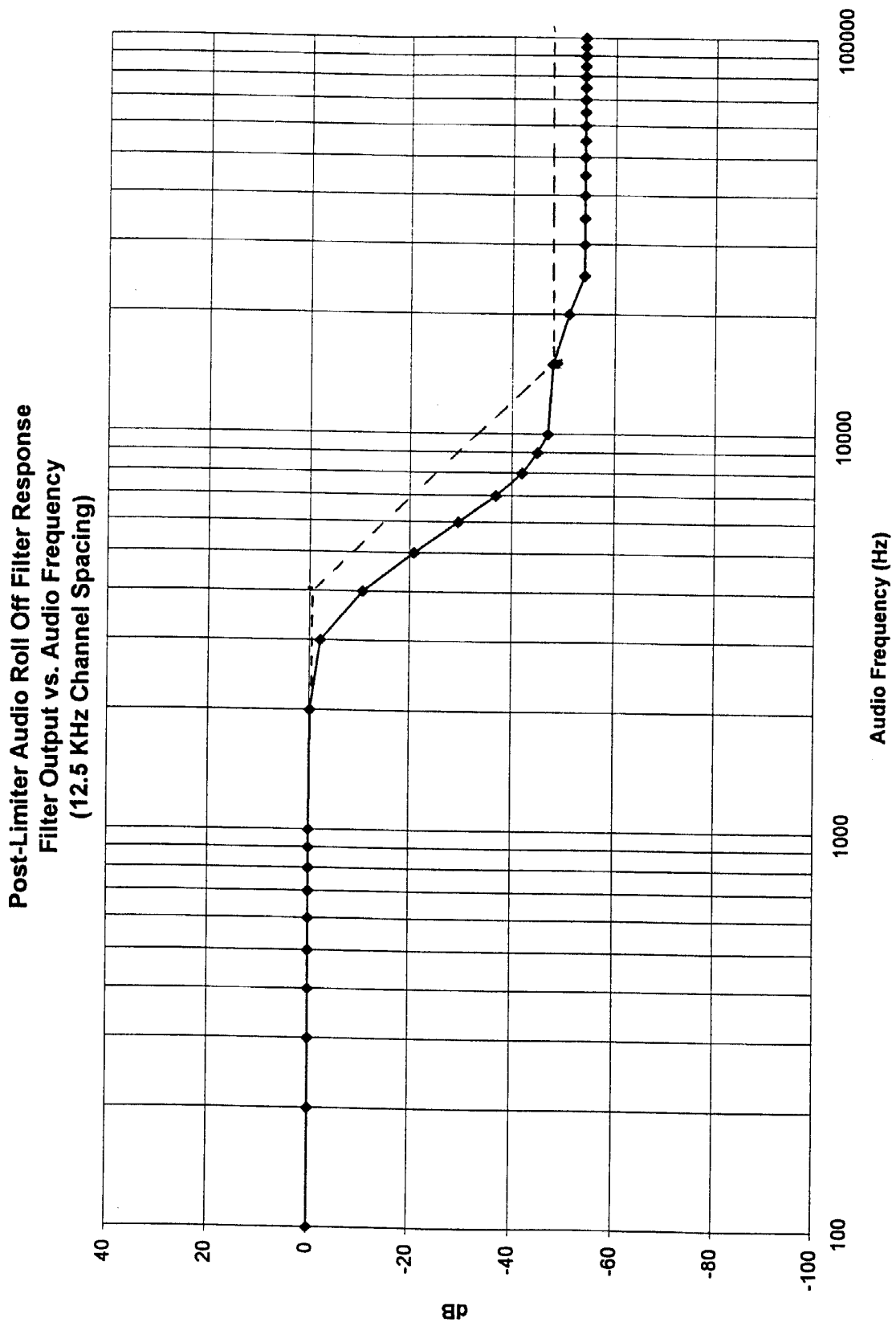
Measured RF Output Power:	10.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Current:	6.65 Amperes
Measured DC Input Power:	90.44 Watts

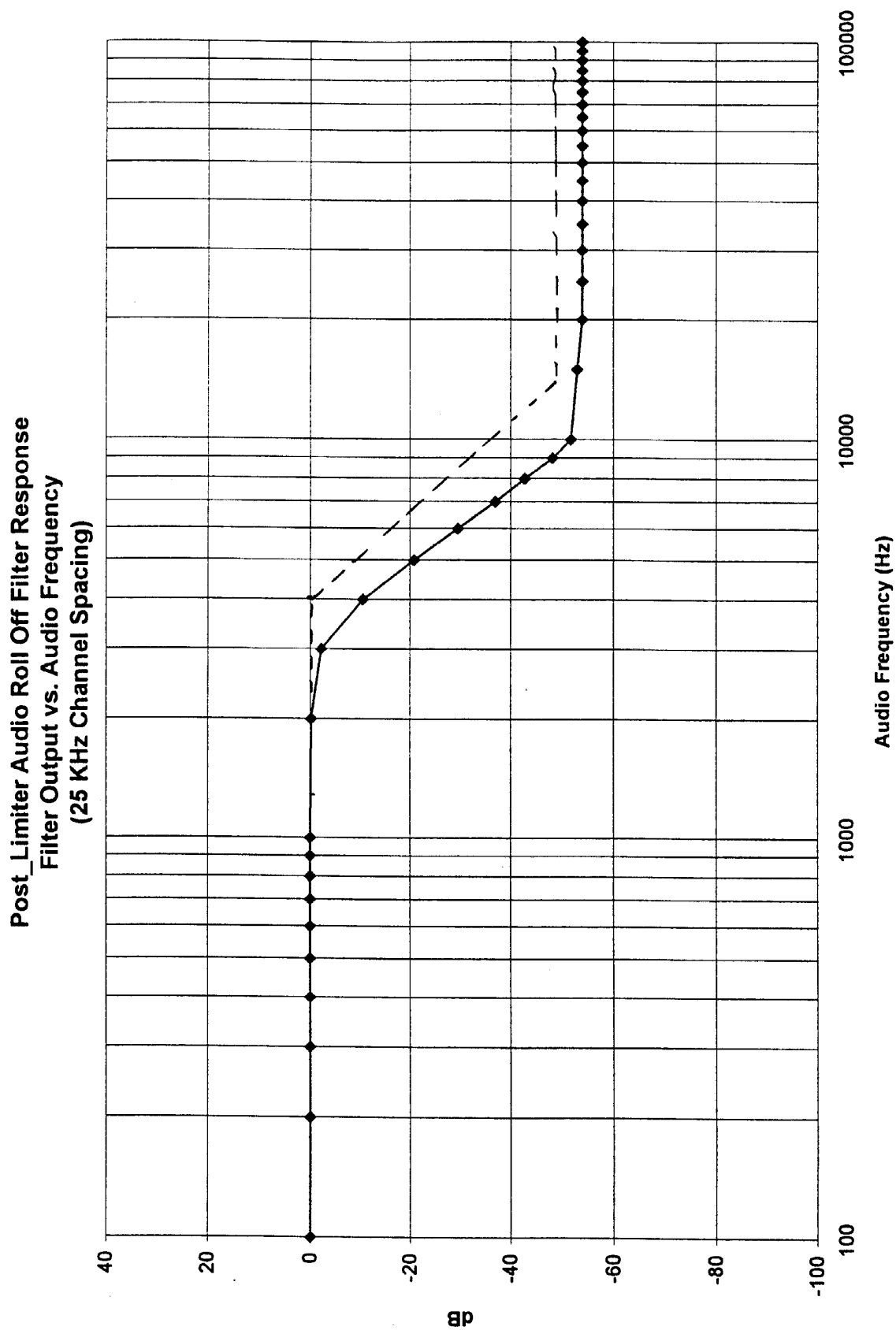


Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

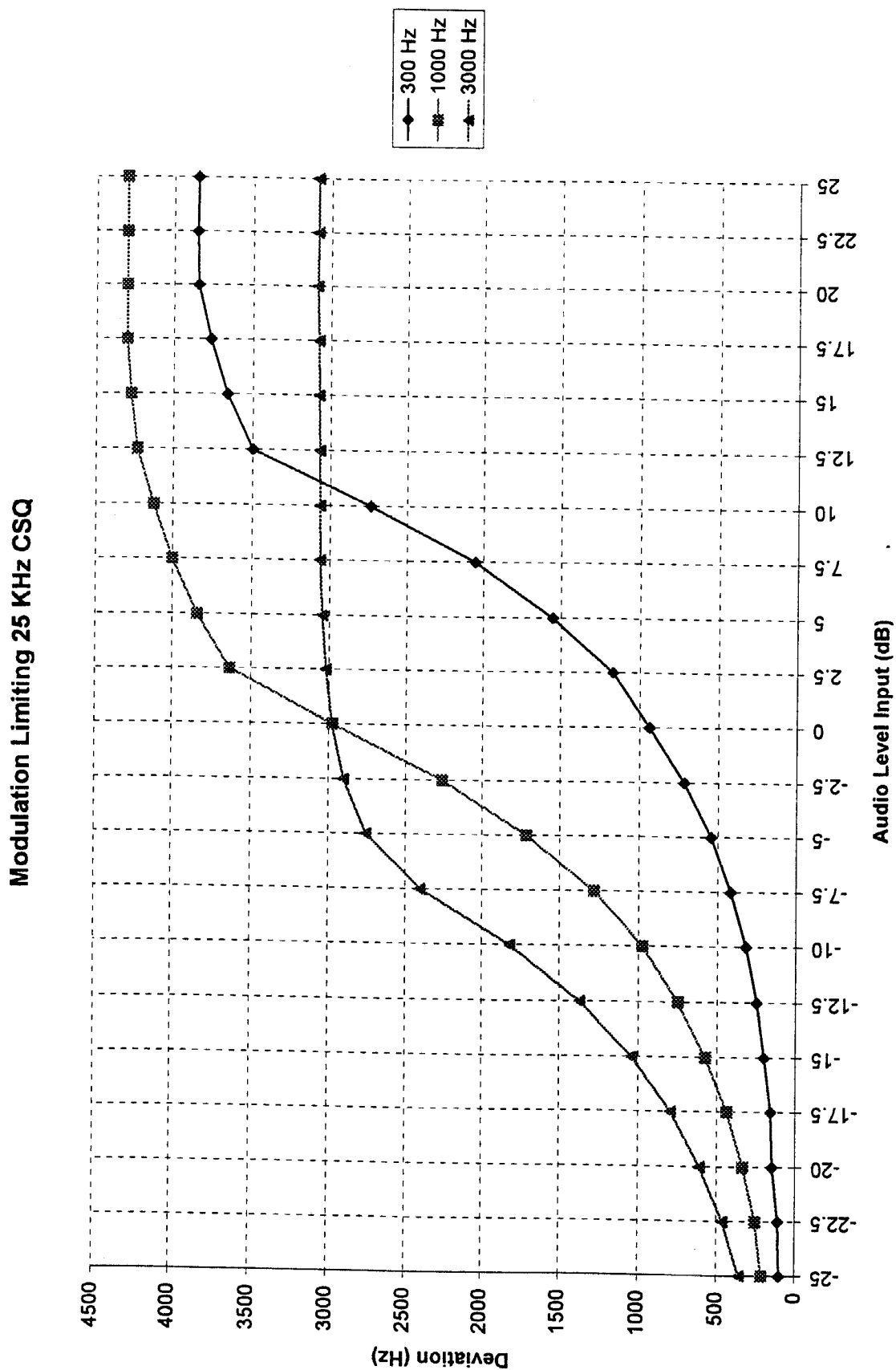






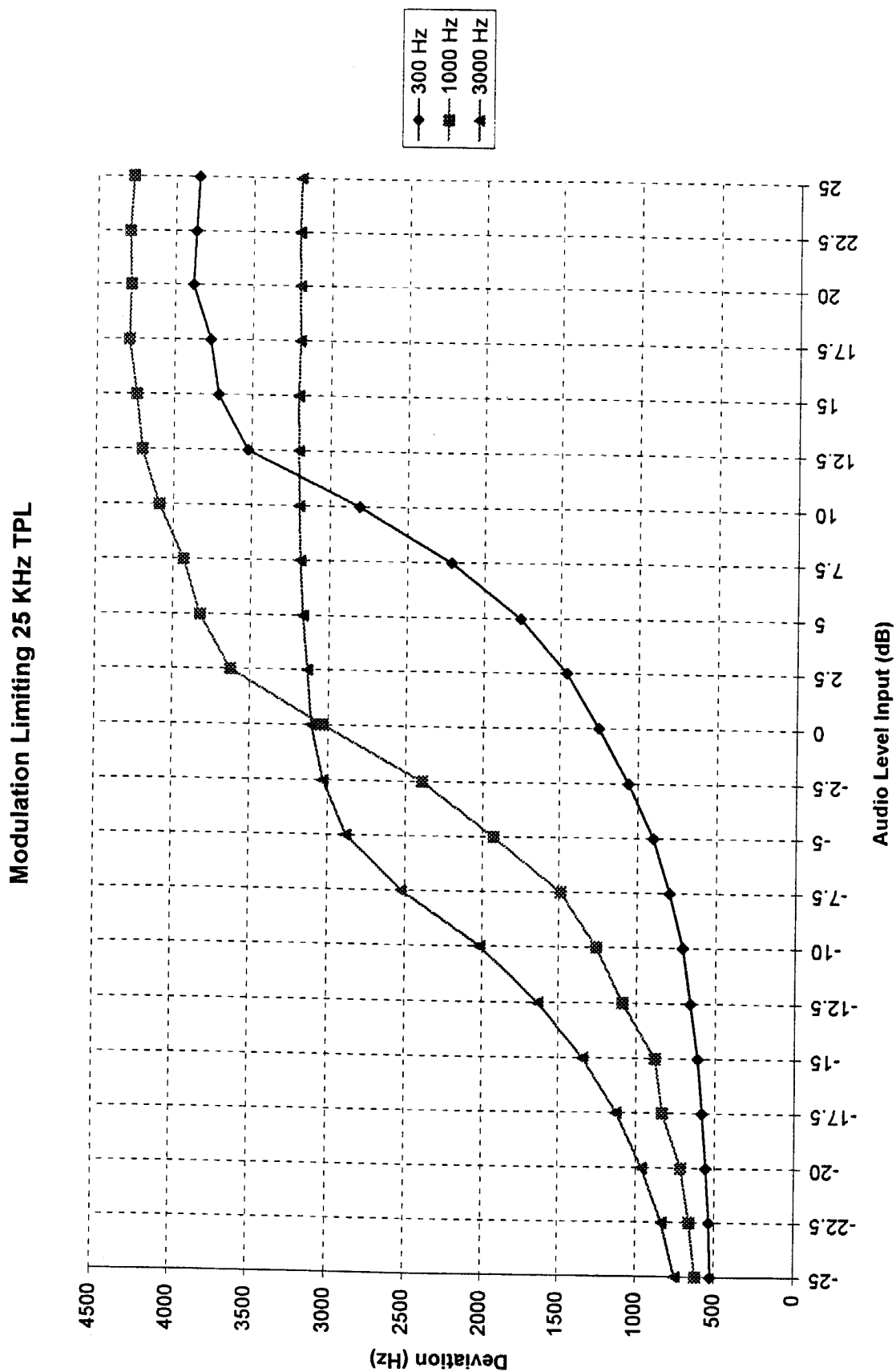
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046



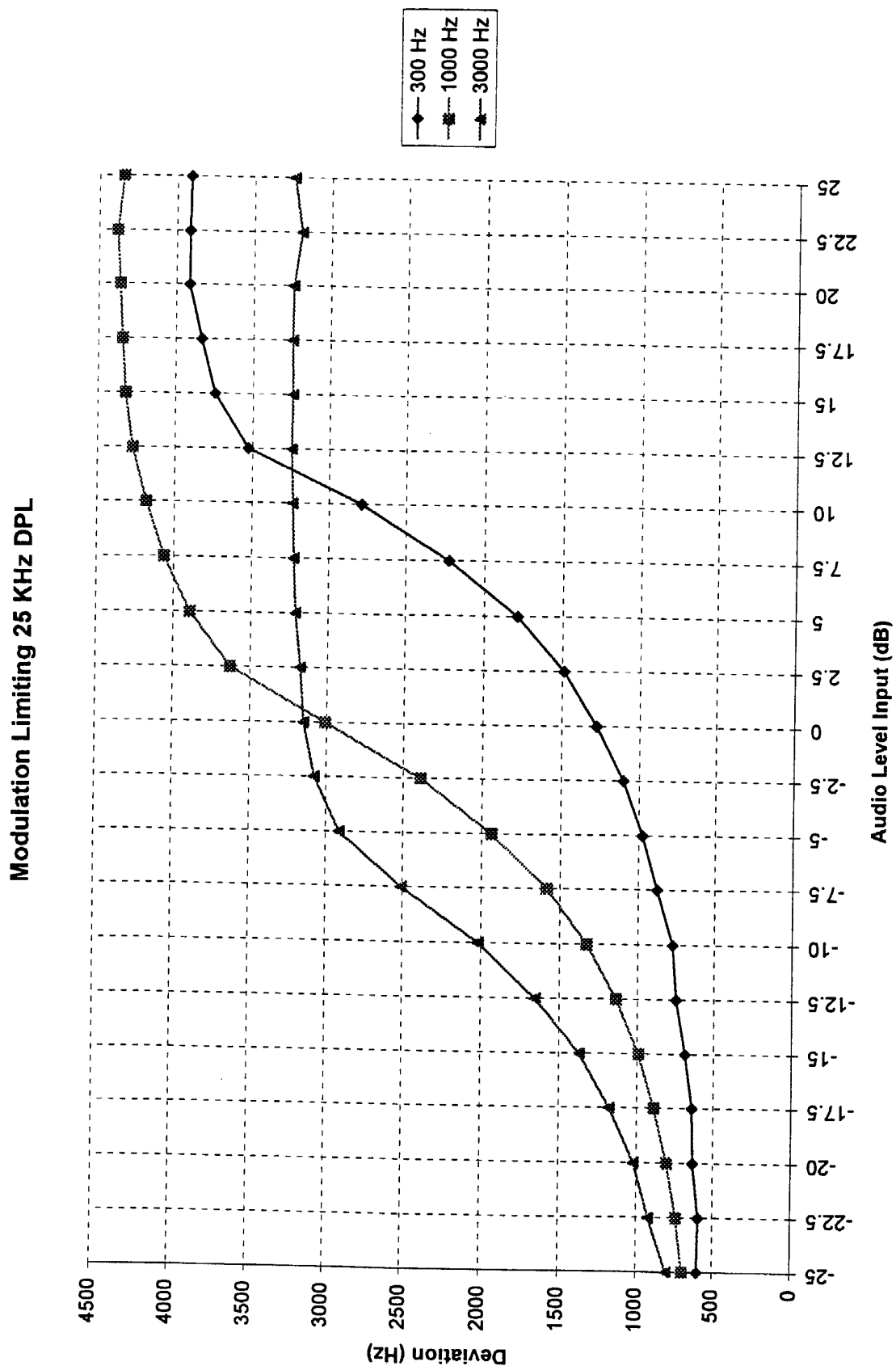
Applicant: Motorola, Inc.

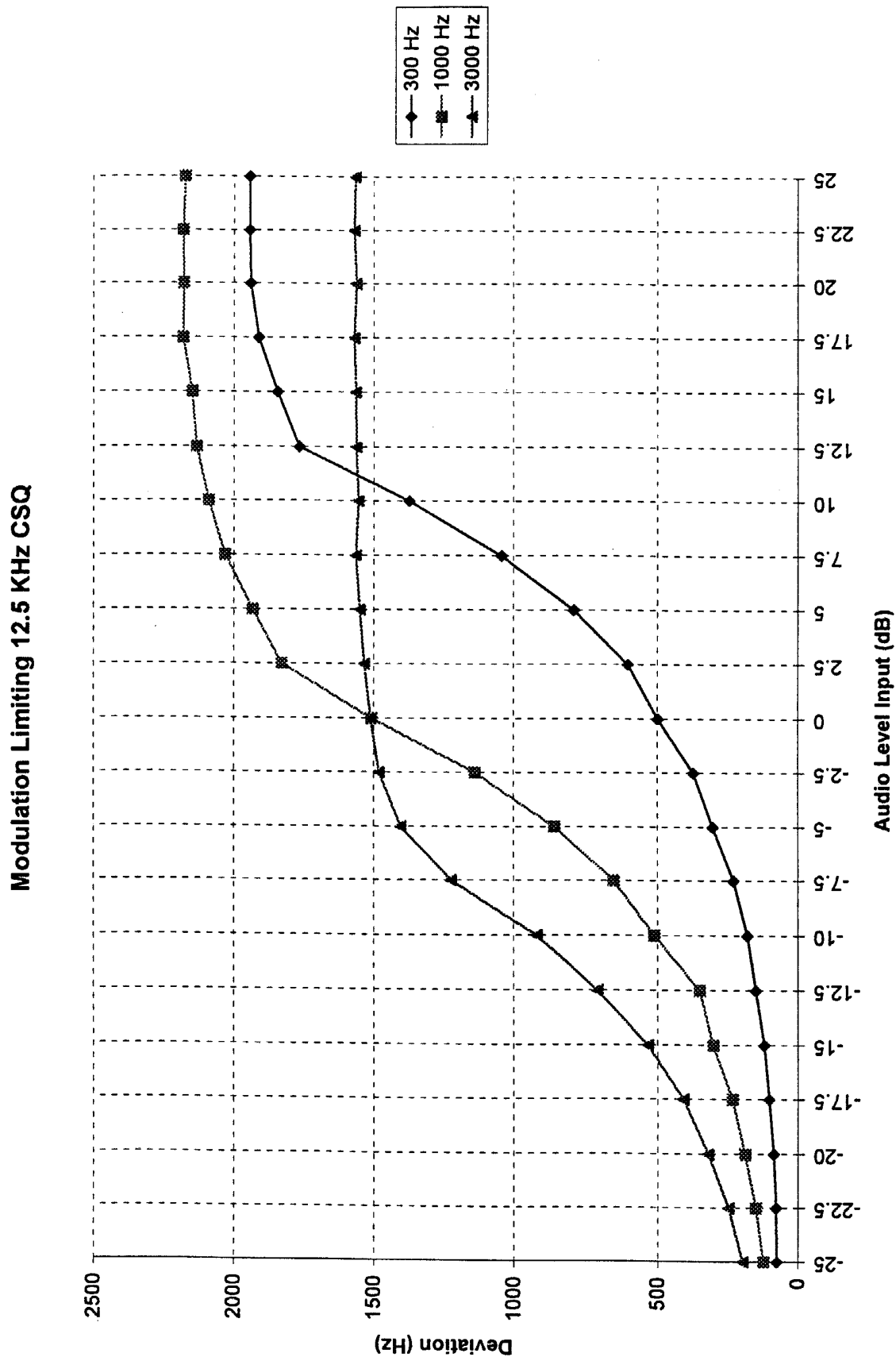
Equipment Type: ABZ99FT4046



Applicant: Motorola, Inc.

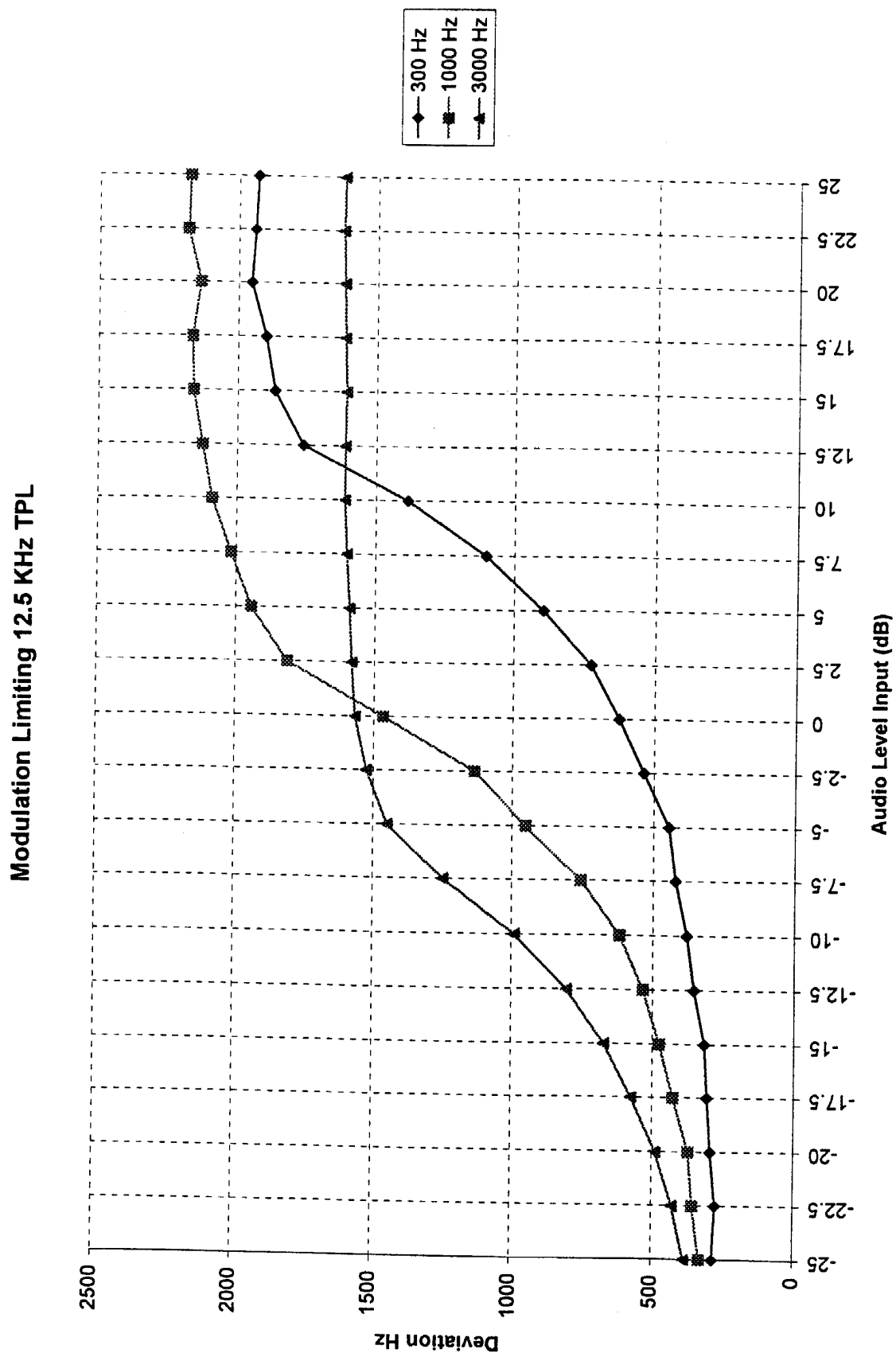
Equipment Type: ABZ99FT4046





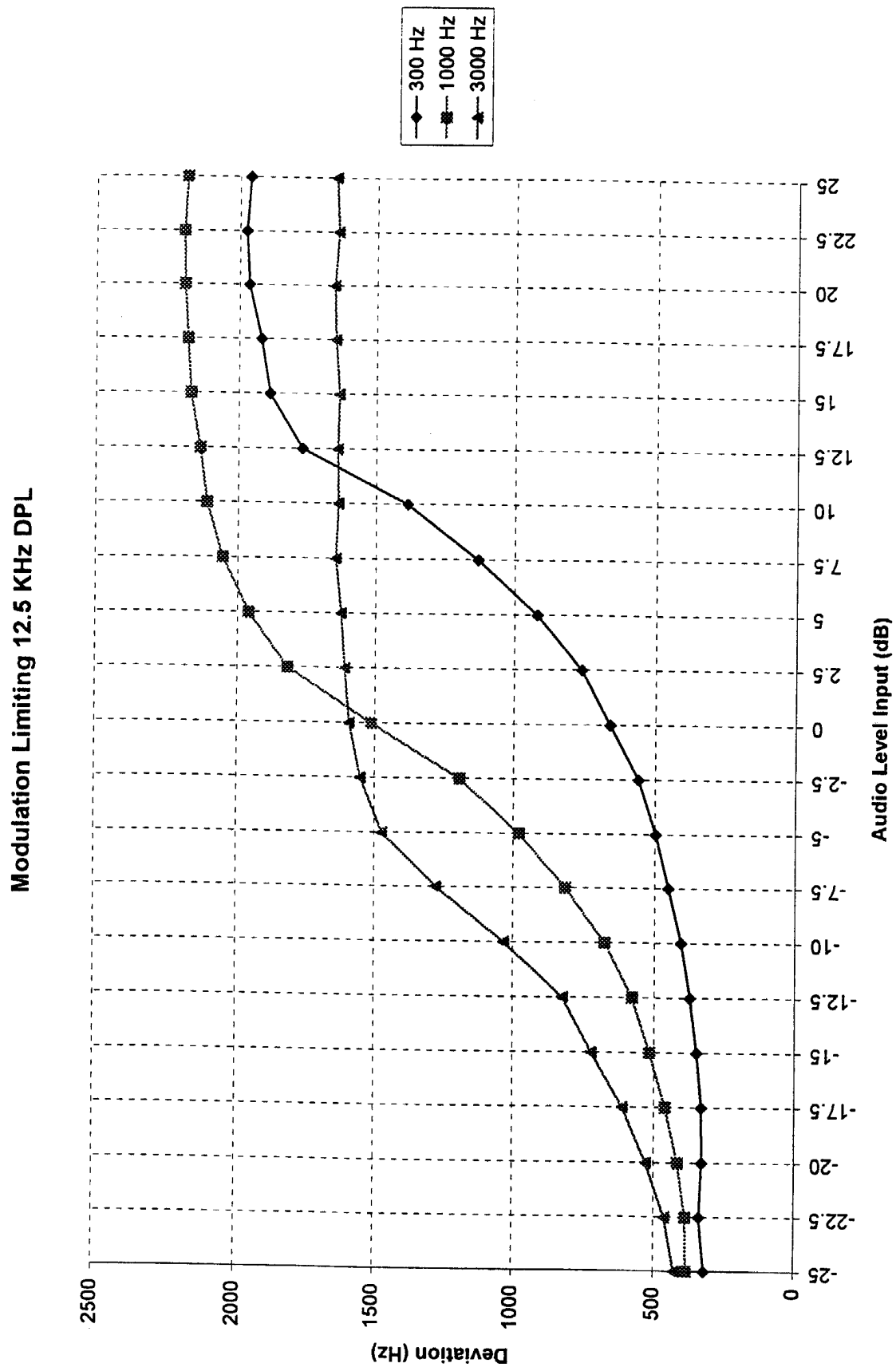
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046



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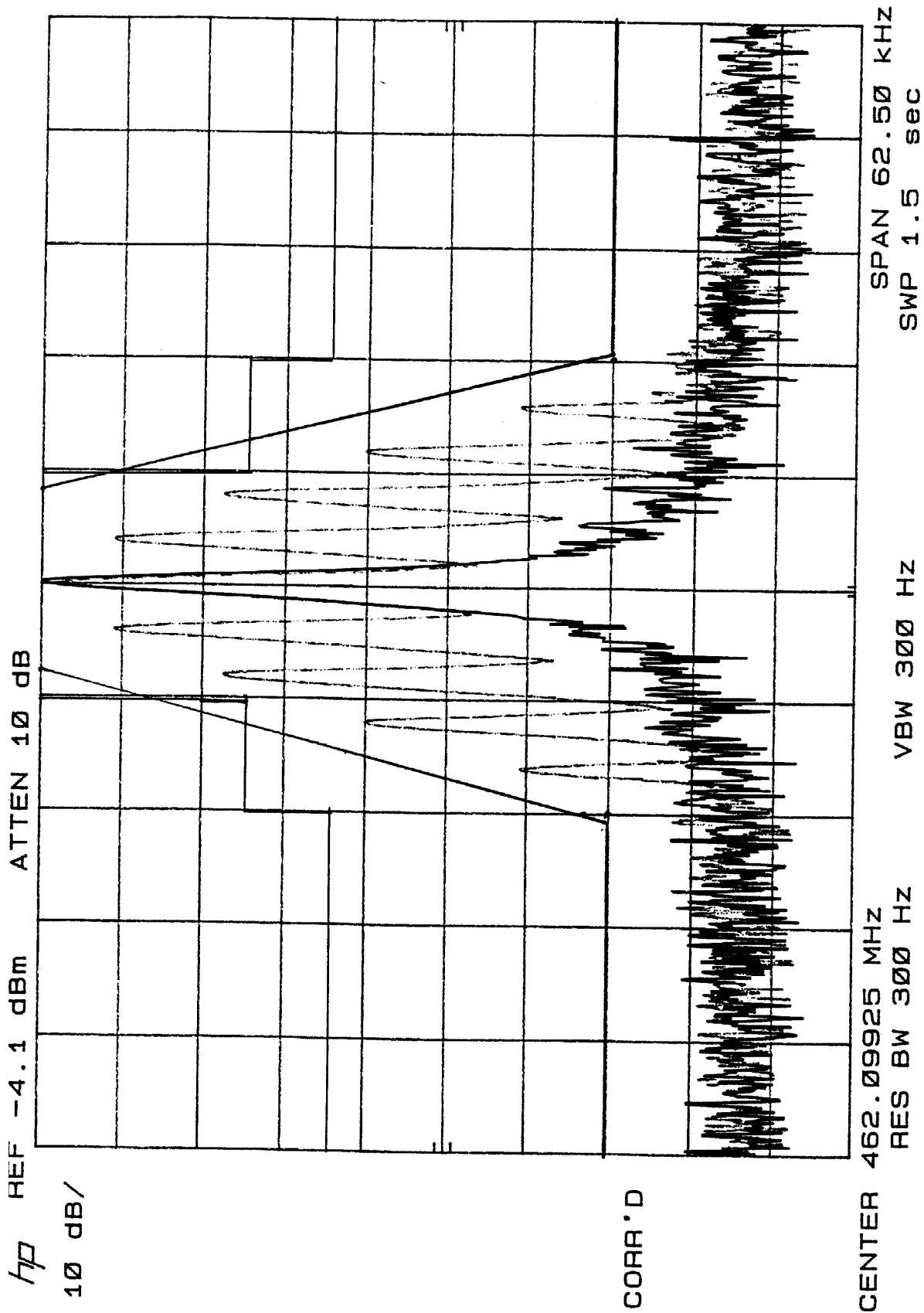
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

EXHIBIT 6D-6

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

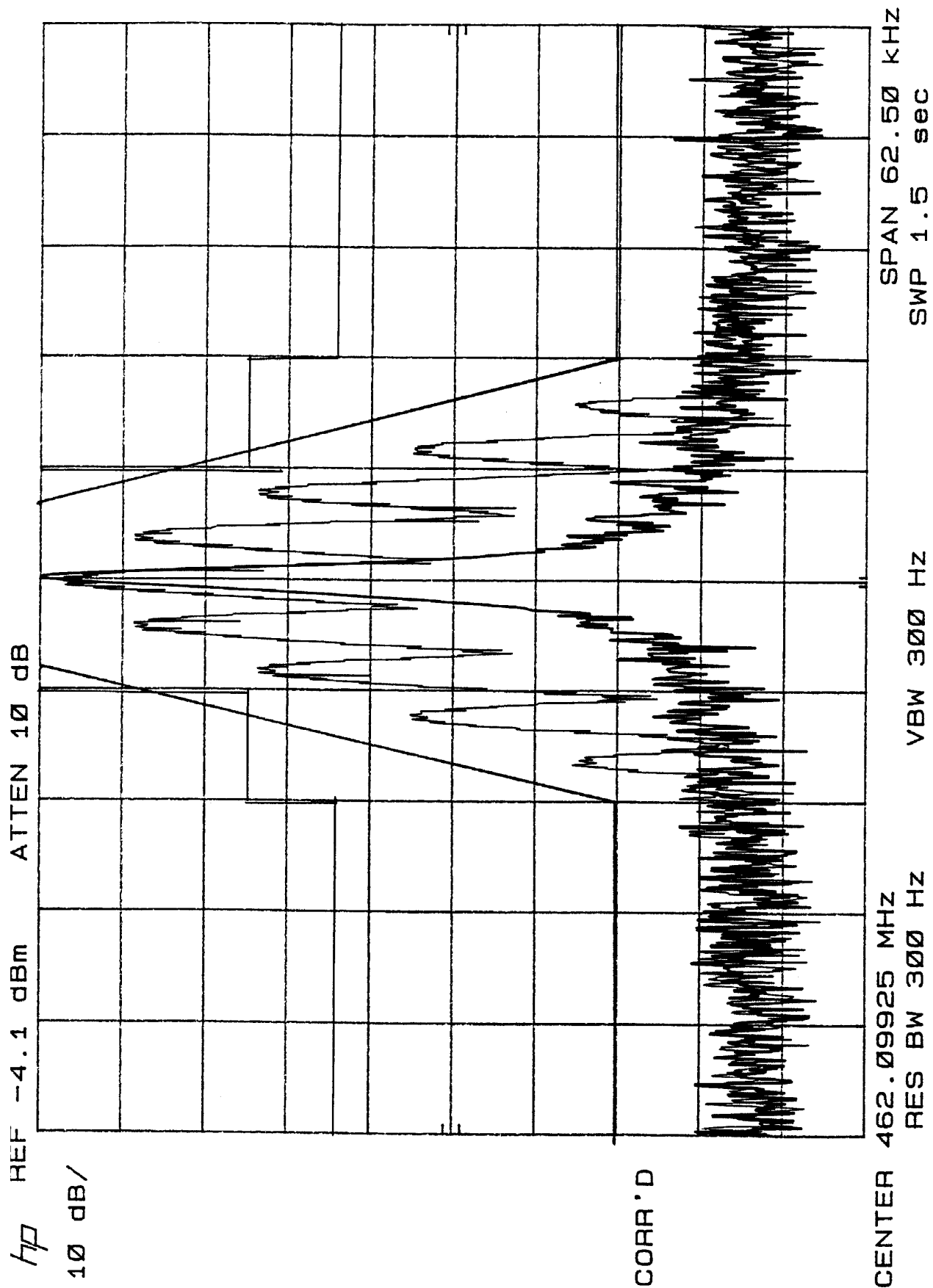


2500 Hz Audio Modulation Only

Exhibit 6E-1

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

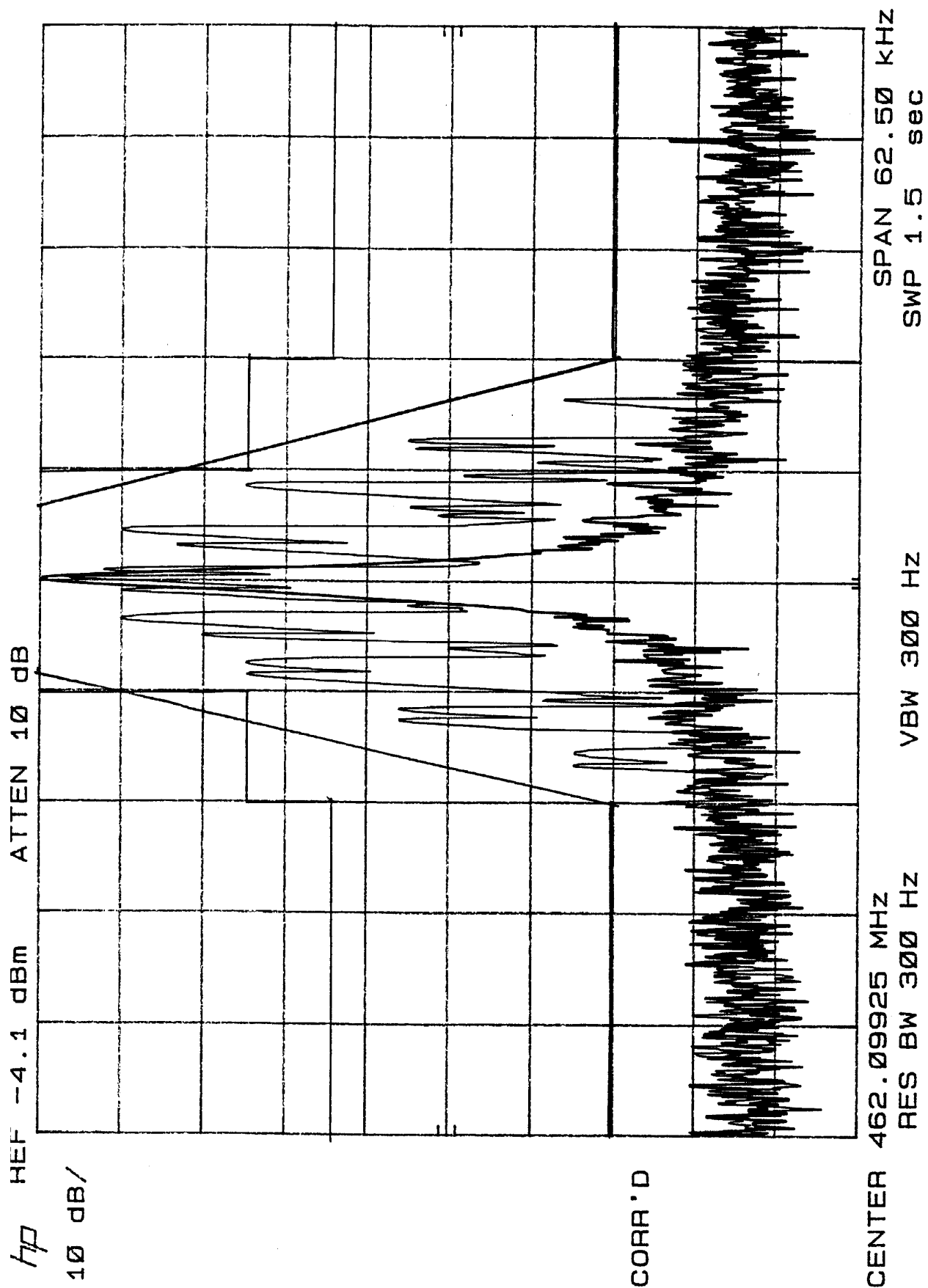


2500 Hz Audio and PL Tone Modulation

Exhibit 6E-2

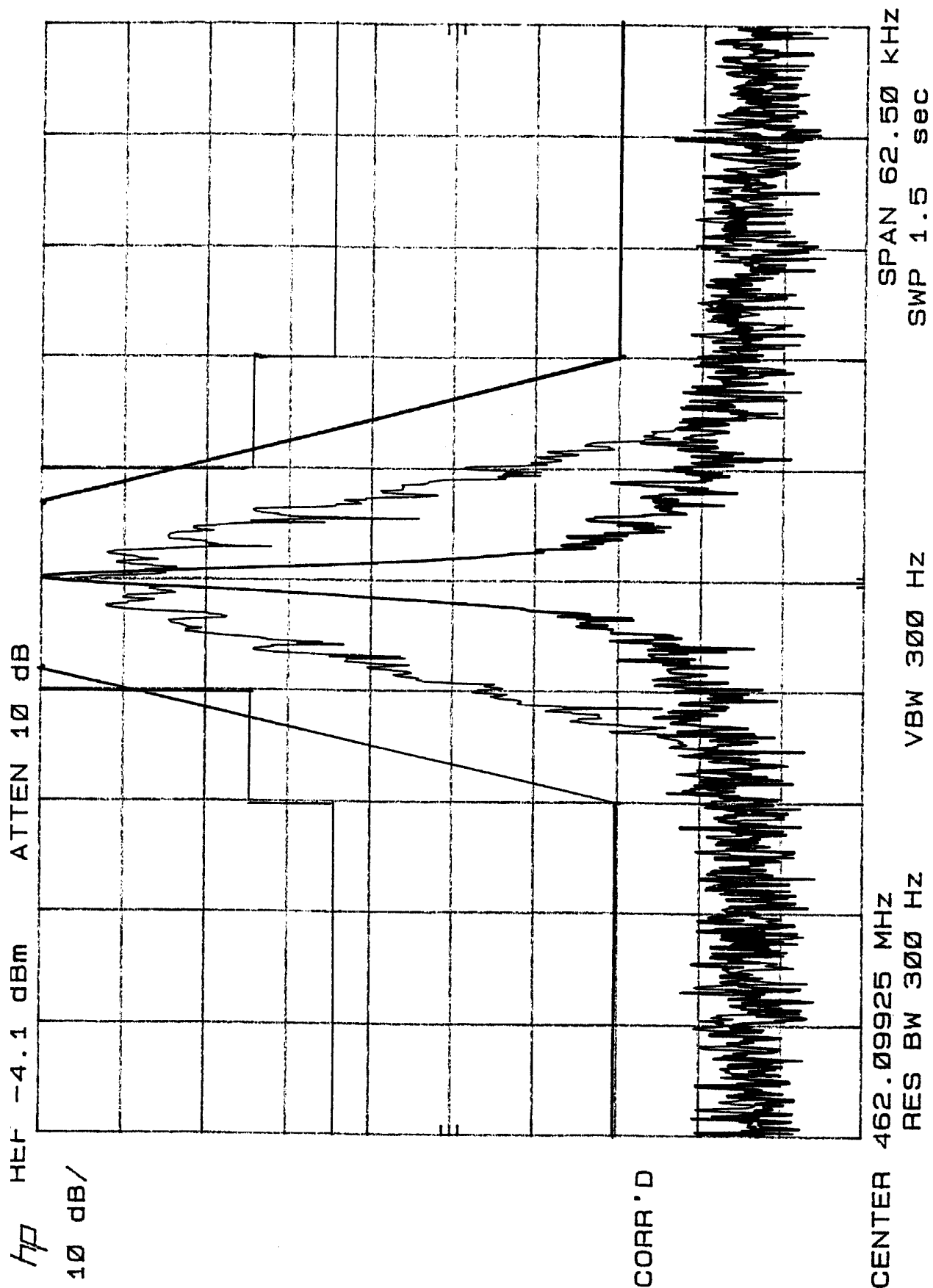
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046



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Equipment Type: ABZ99FT4046

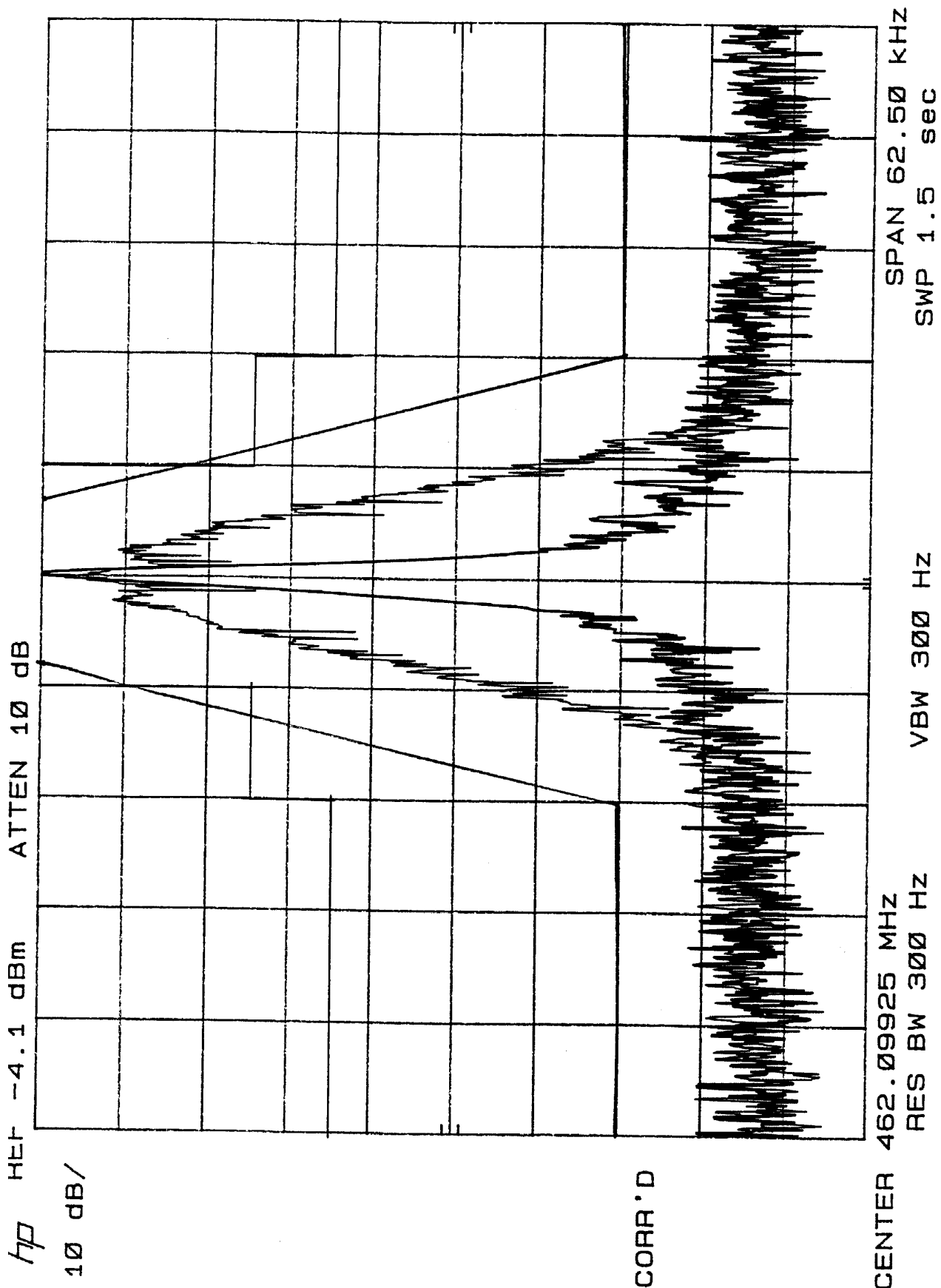


2500 Hz Audio and DPL Modulation

Exhibit 6E-4

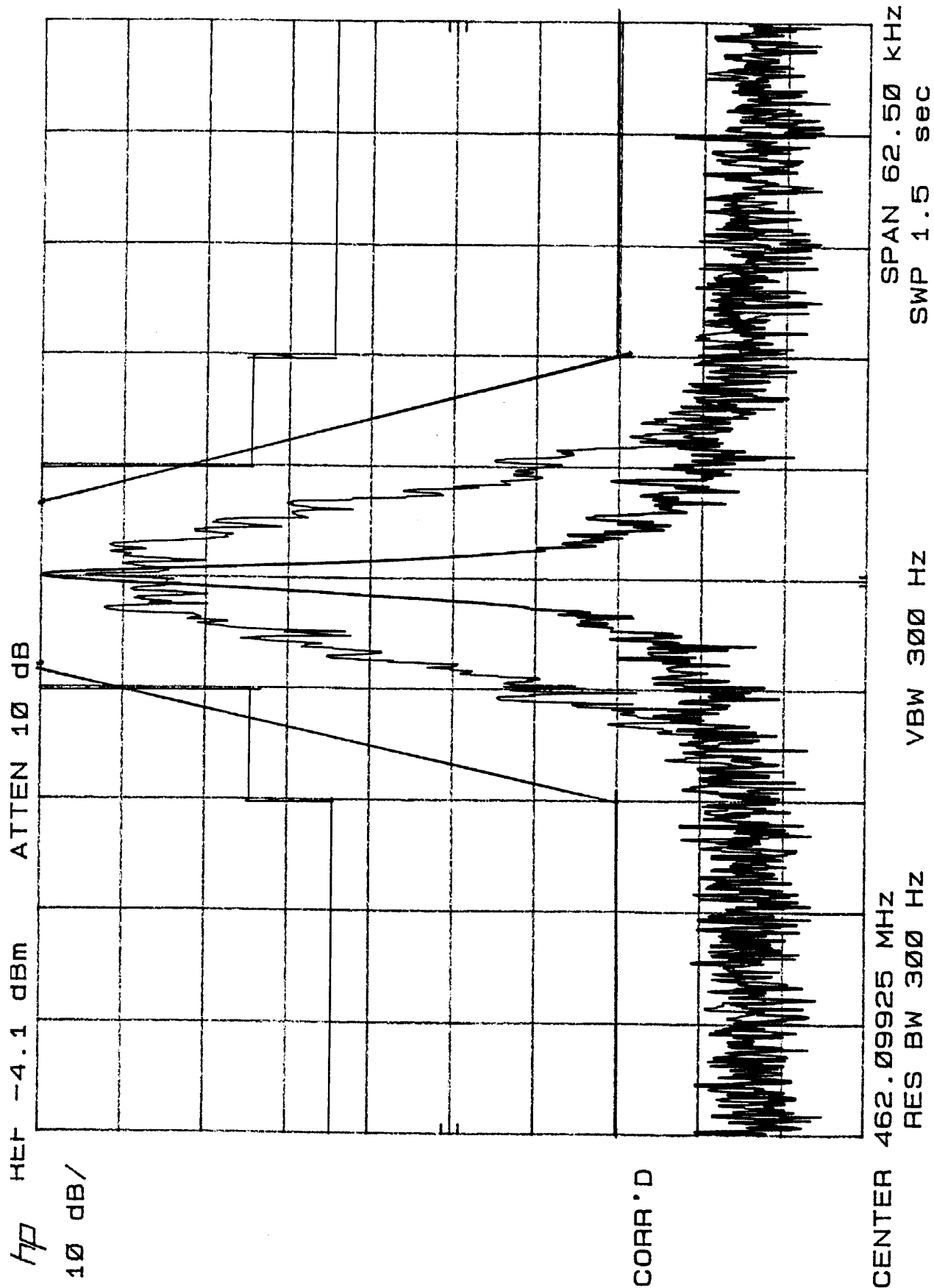
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046



Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

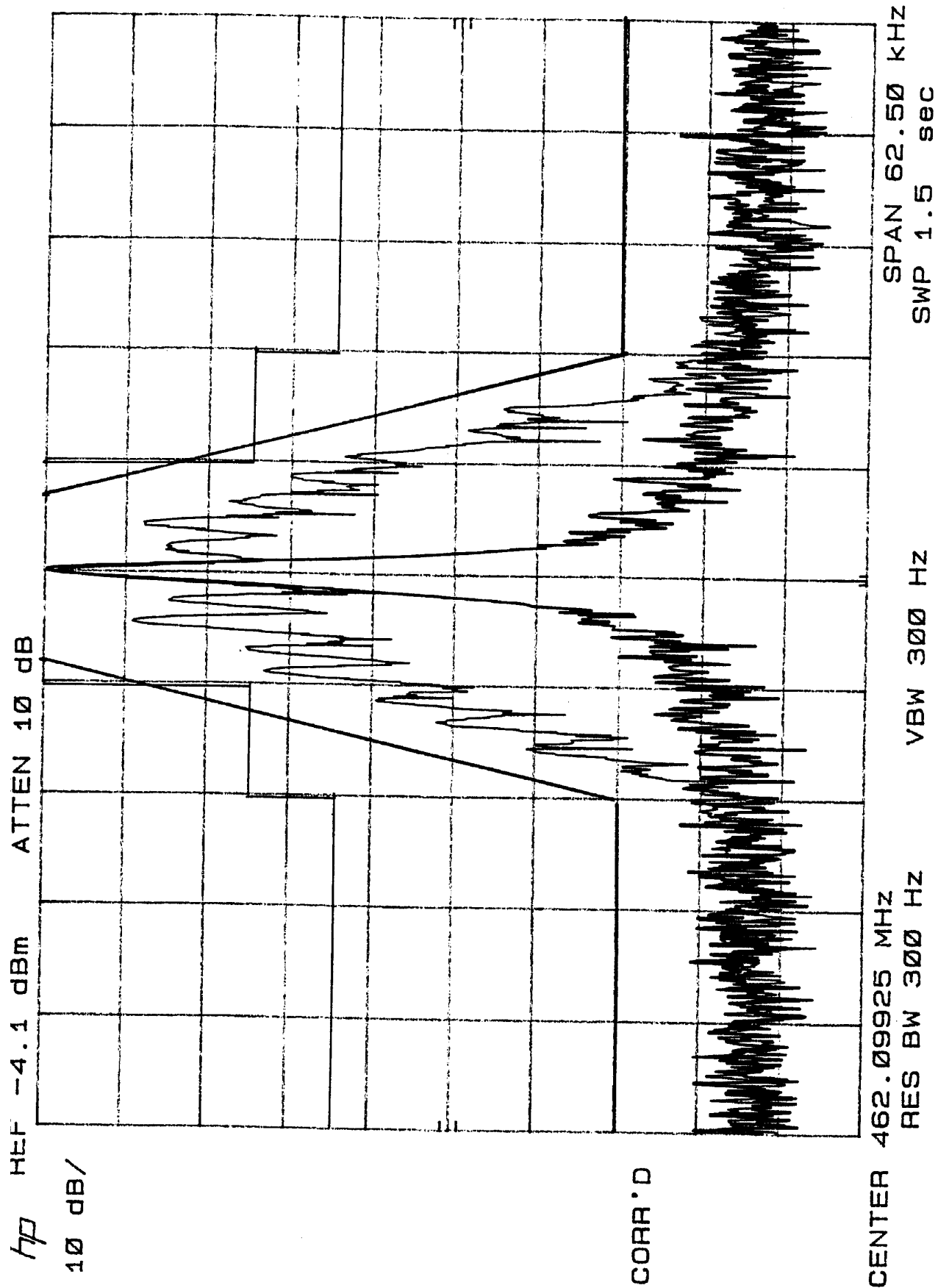


DTMF Modulation and DPL Modulation

Exhibit 6E-6

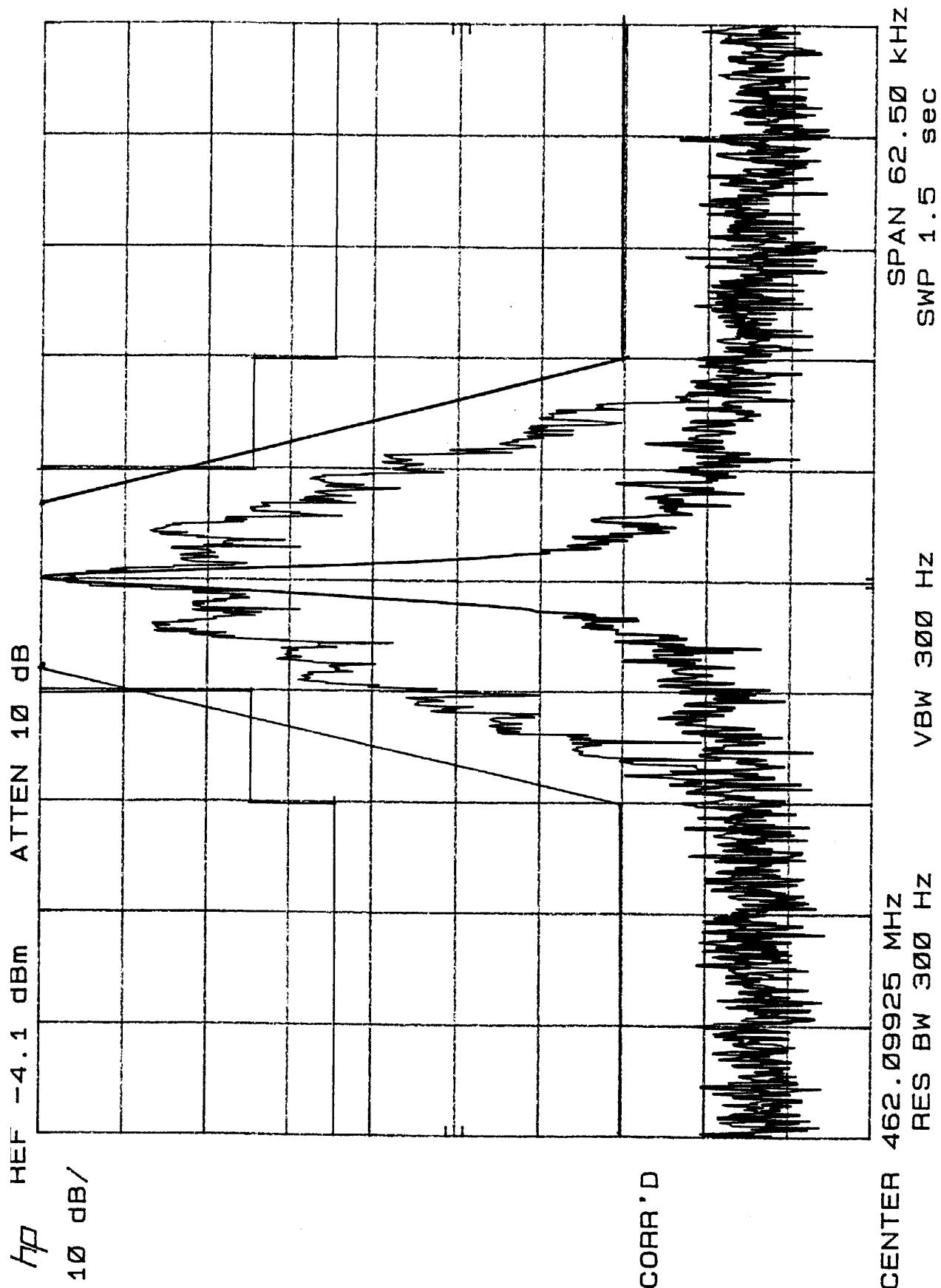
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046



Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

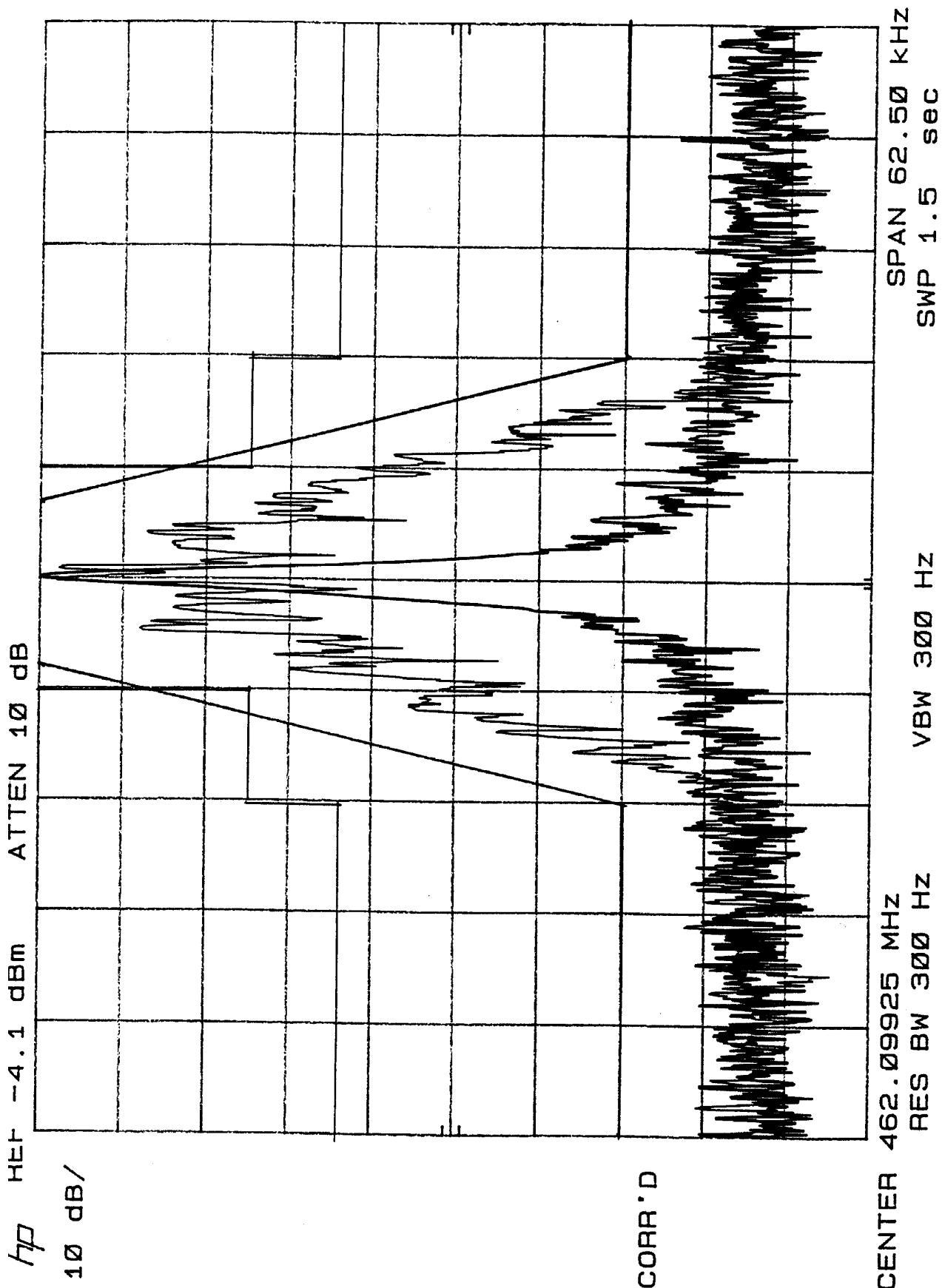


2000/3000 Hz FSK Data and PL Tone Modulation

Exhibit 6E-8

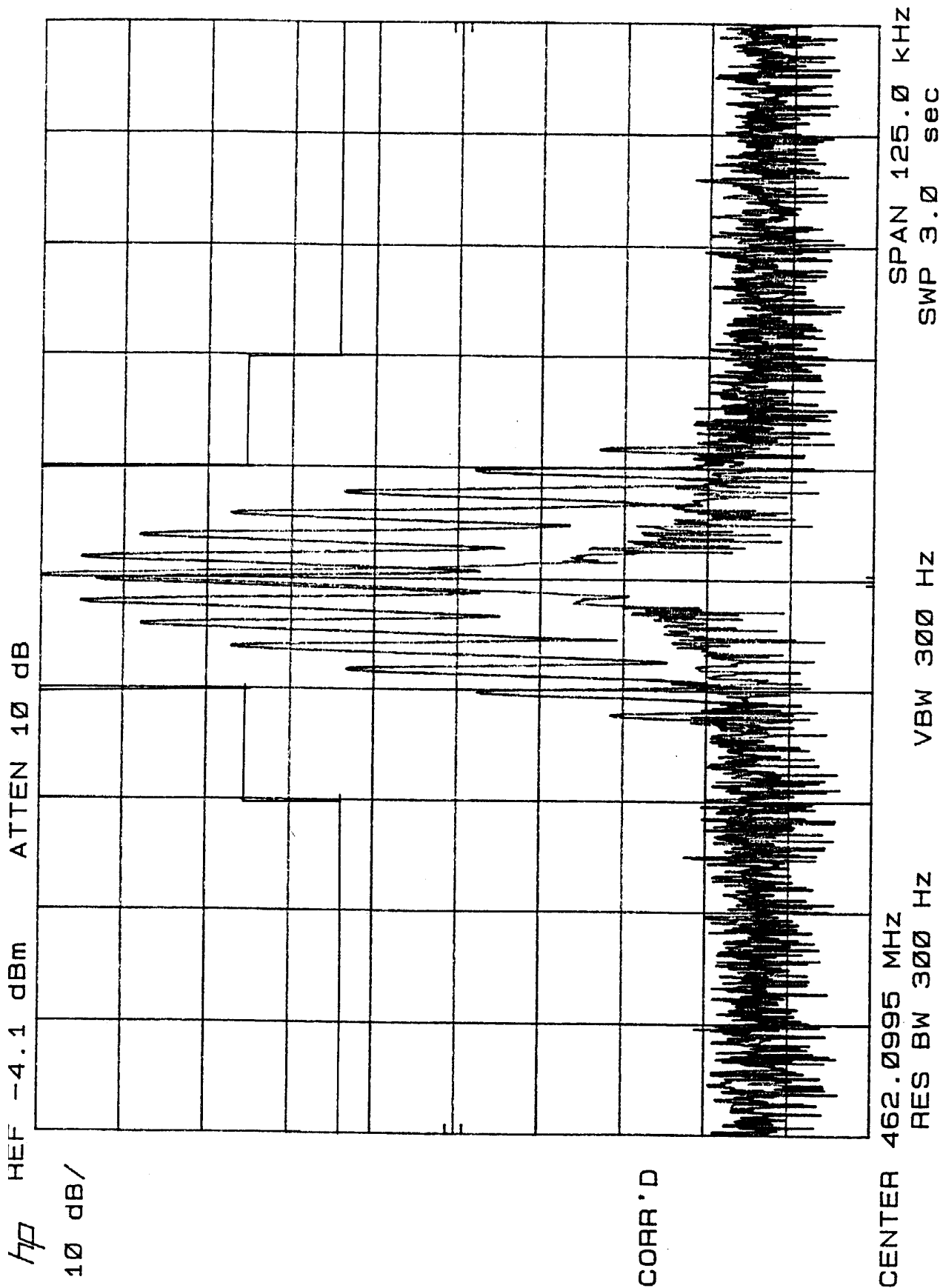
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046



Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

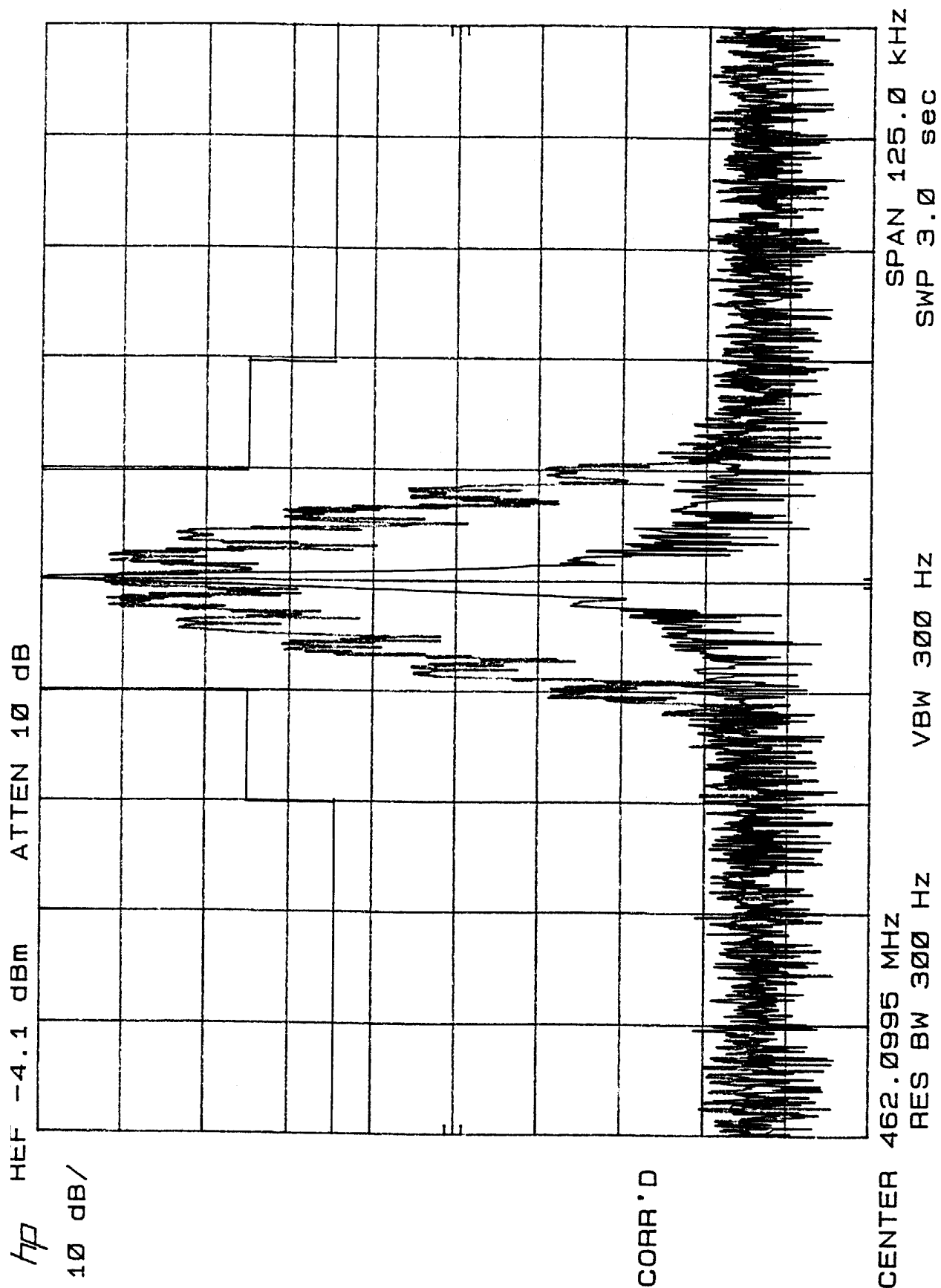


2500 Hz Audio Modulation Only

Exhibit 6E-10

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

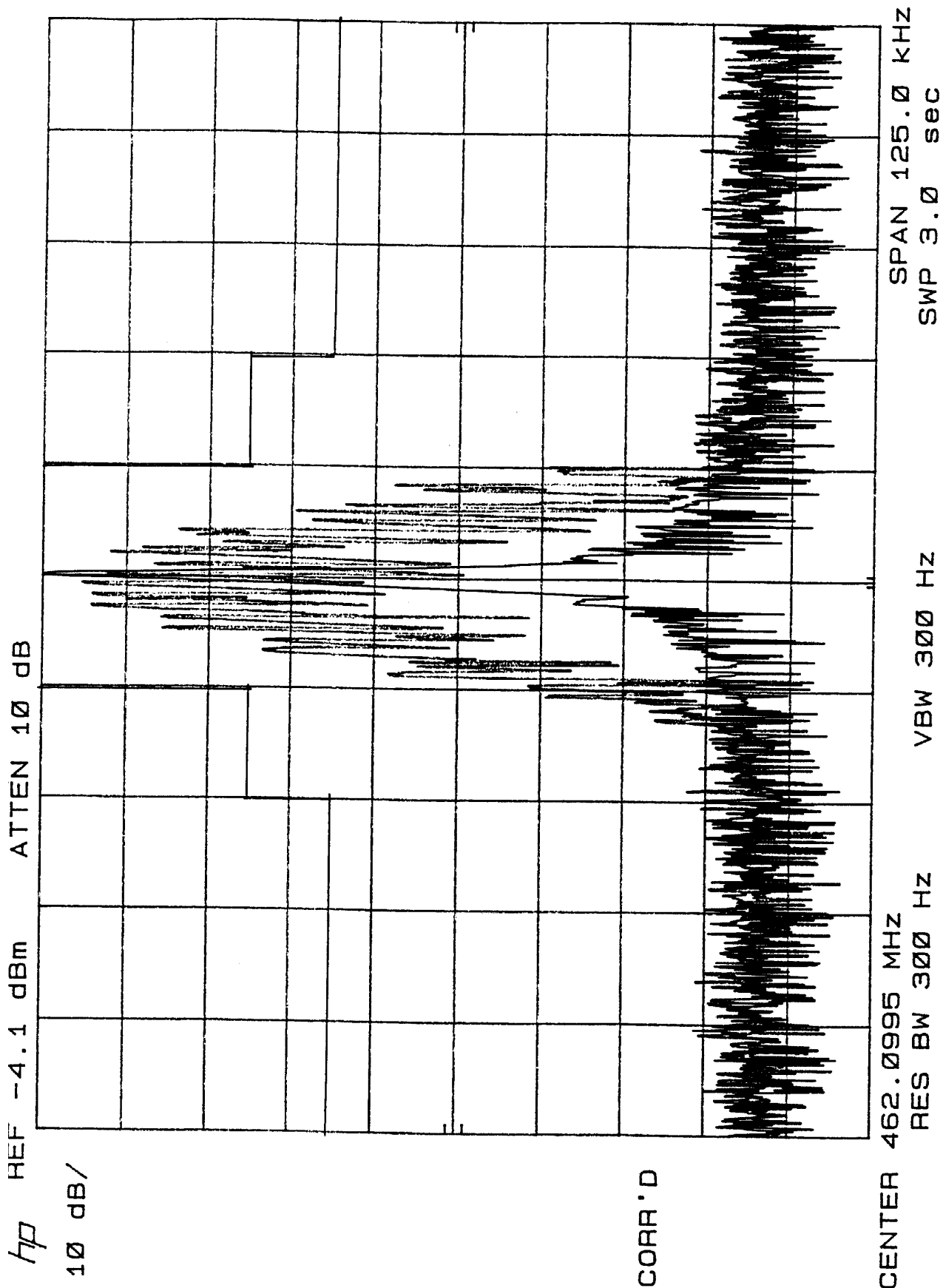


2500 Hz Audio and PL Tone Modulation

Exhibit 6E-11

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

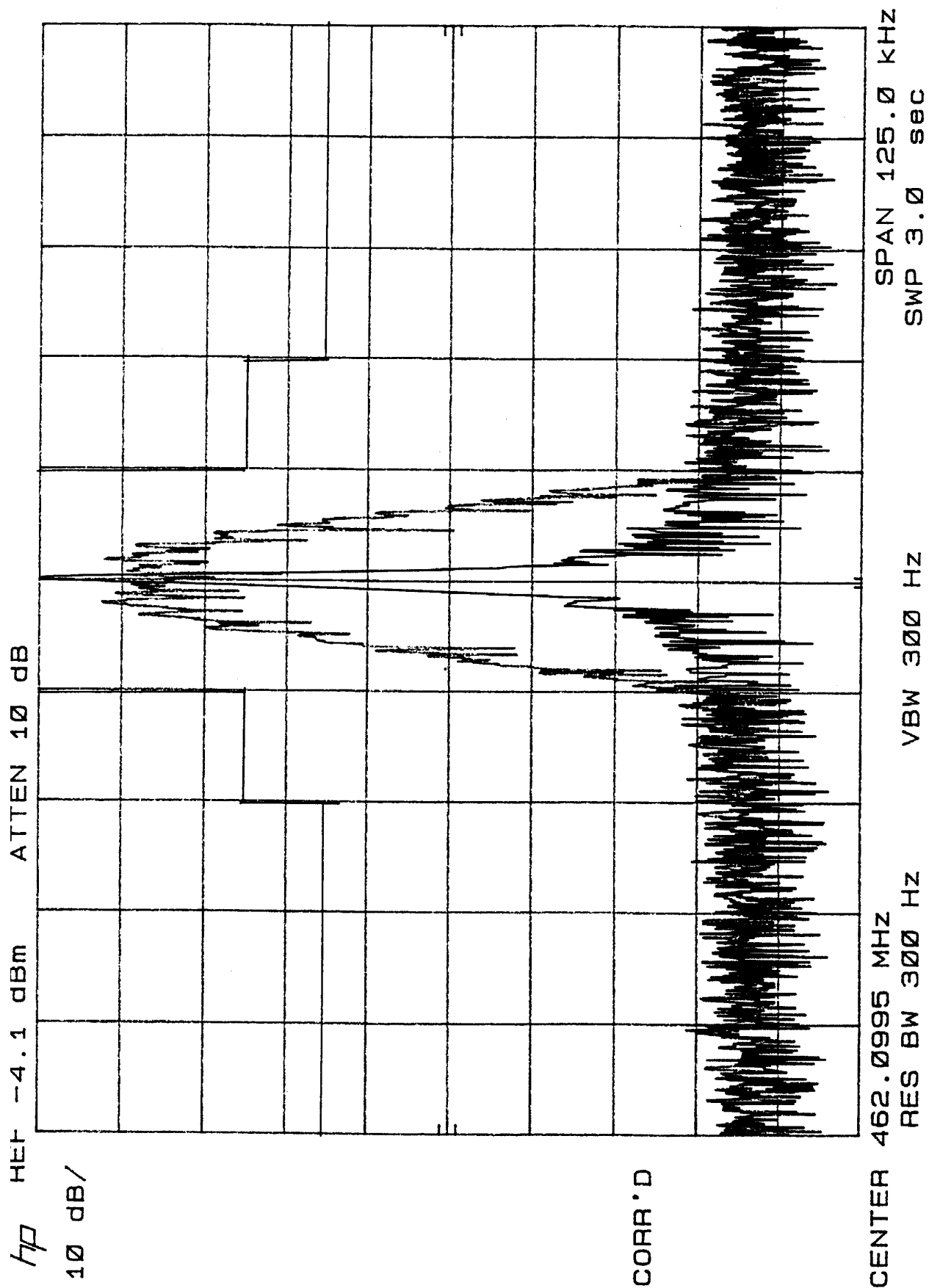


2500 Hz Audio and DPL Modulation

Exhibit 6E-12

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

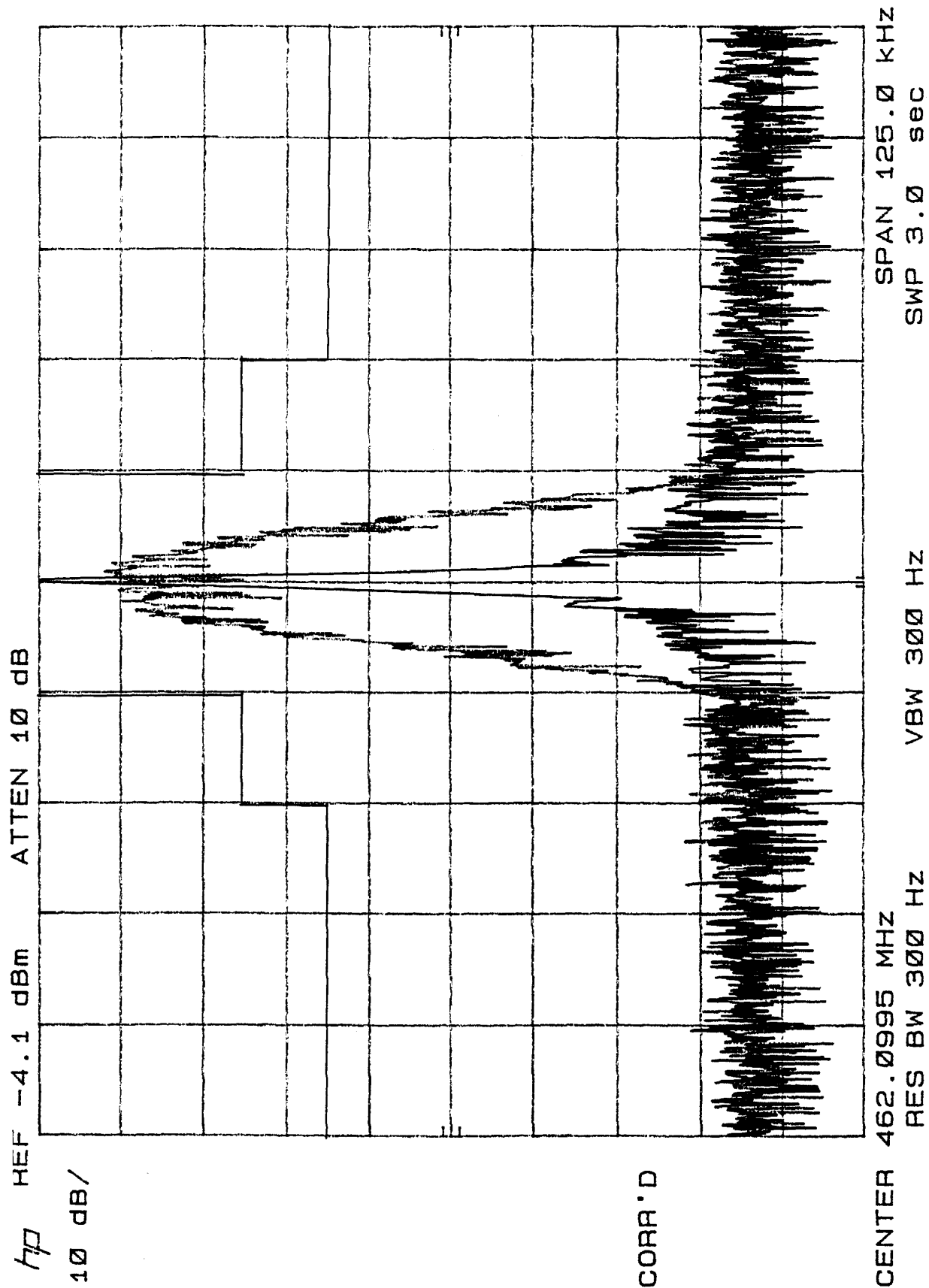


DTMF Modulation Only

Exhibit 6E-13

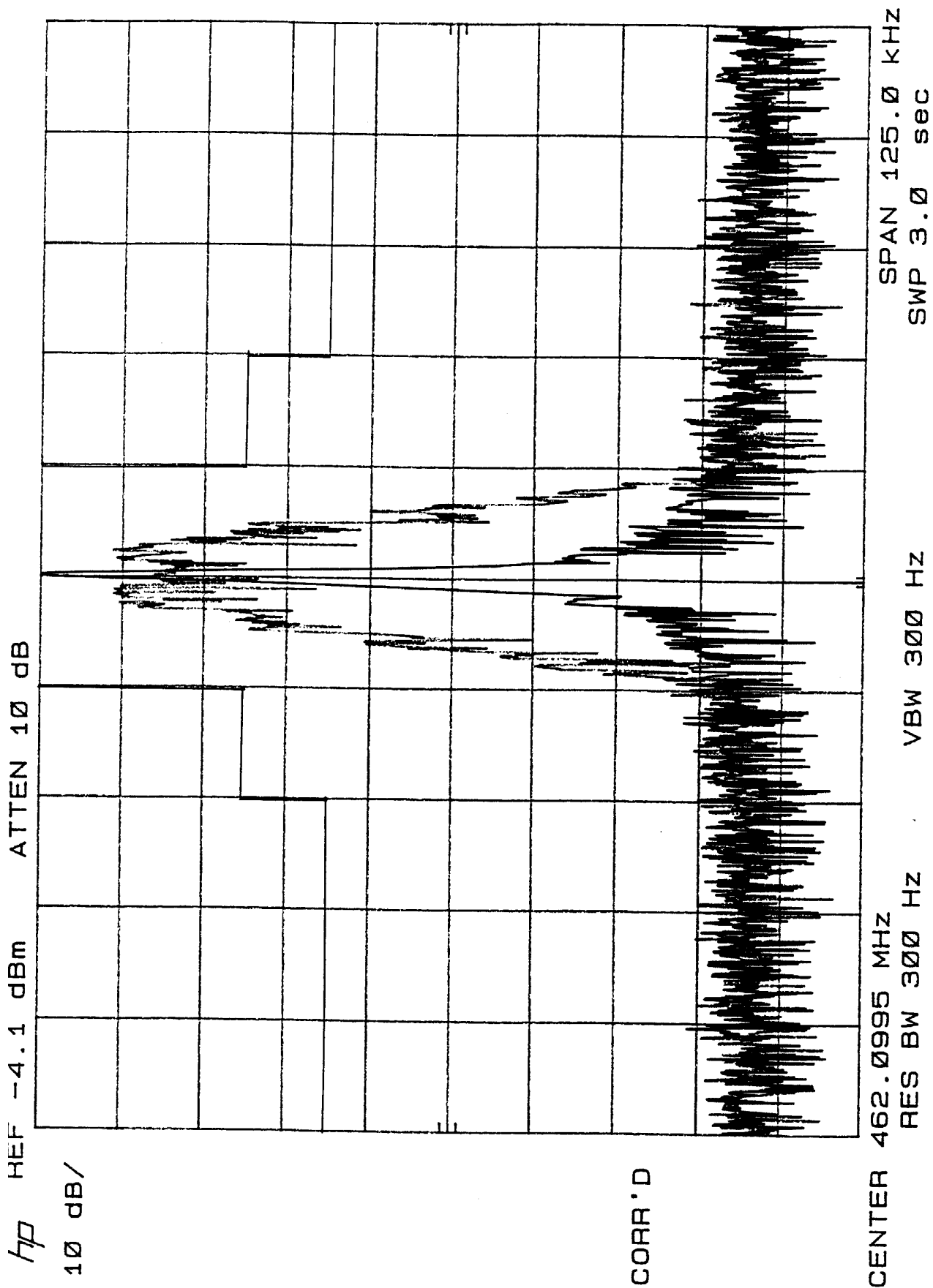
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046



Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

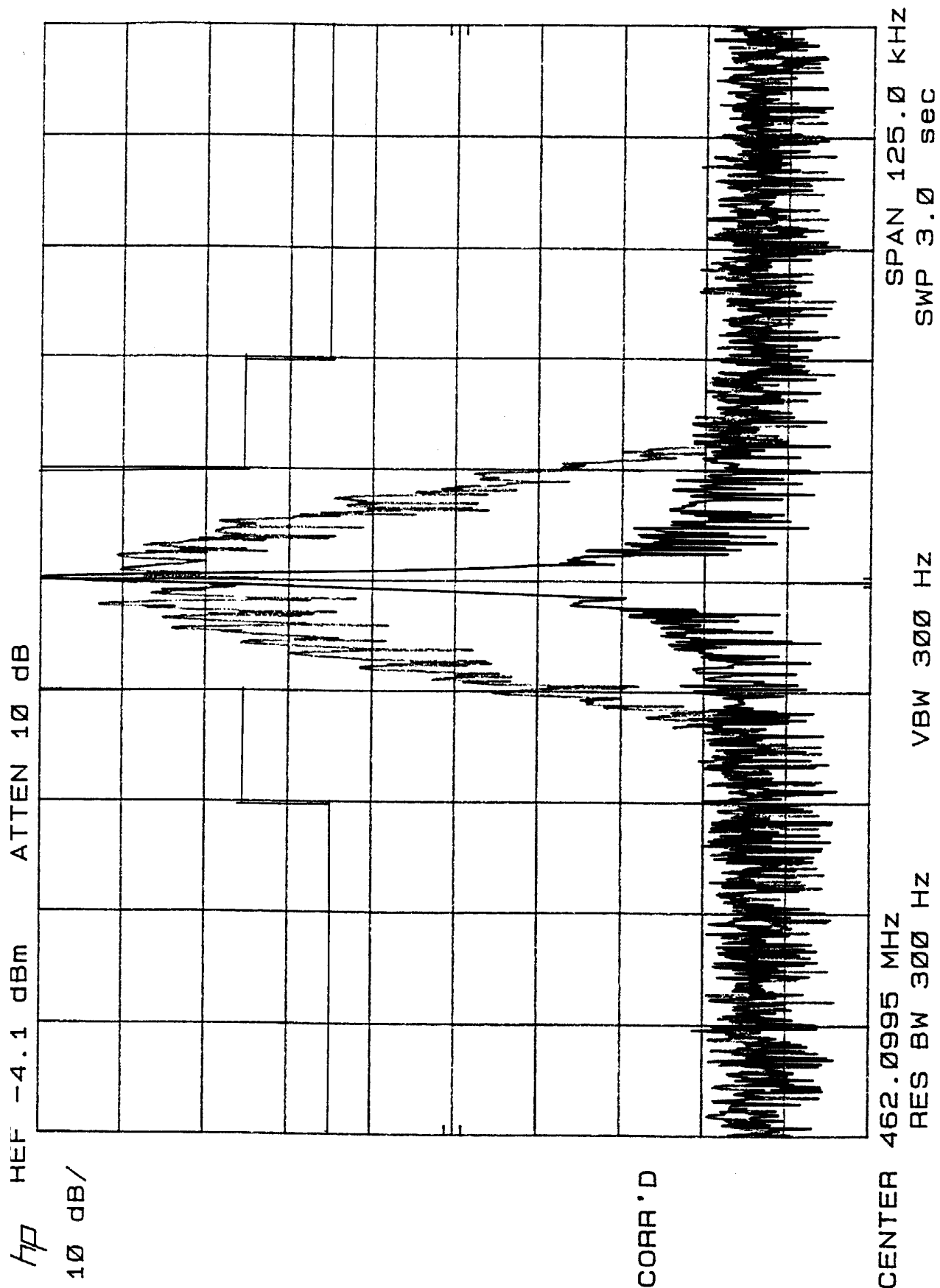


DTMF Modulation and DPL Modulation

Exhibit 6E-15

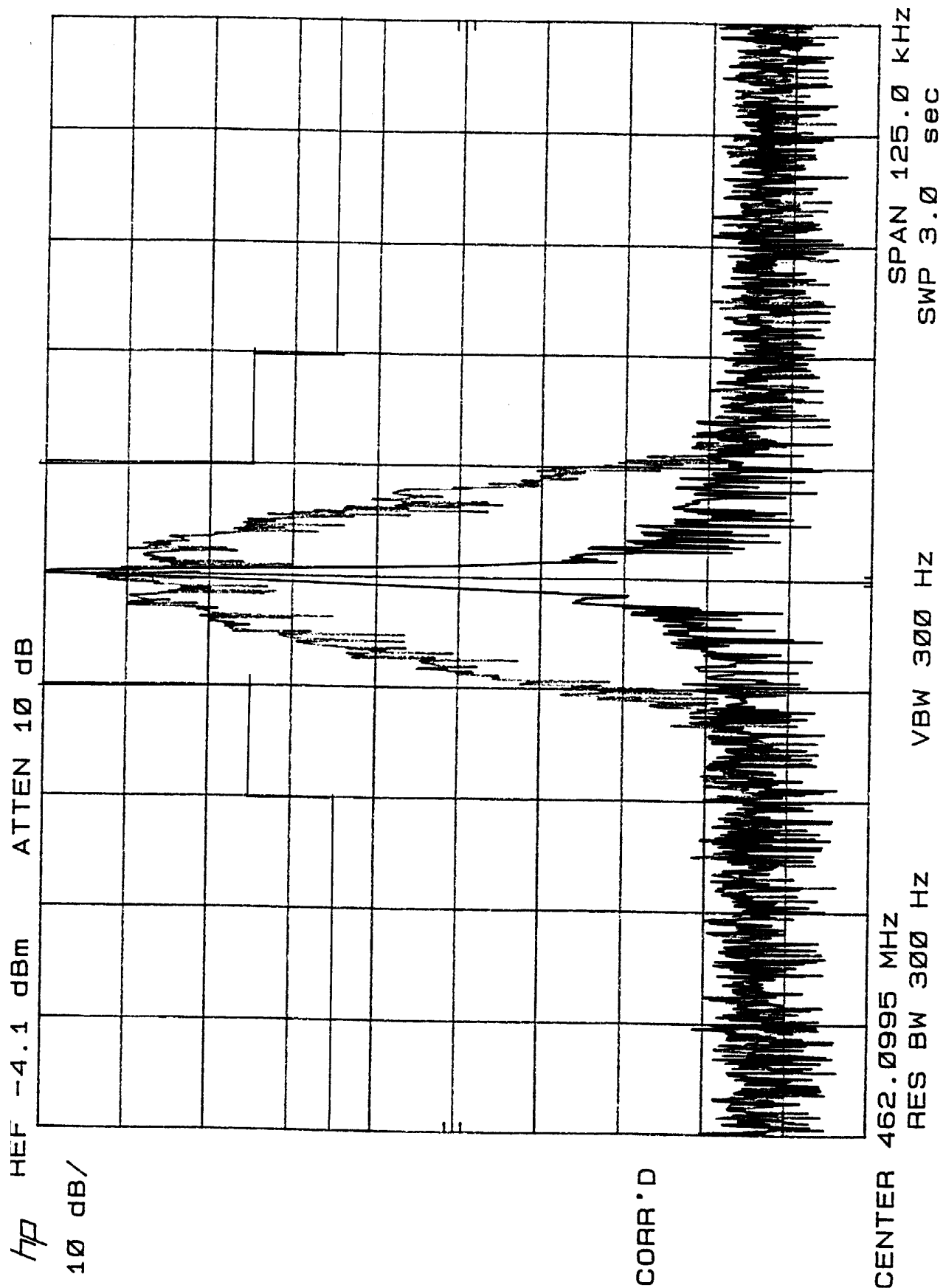
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046



Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

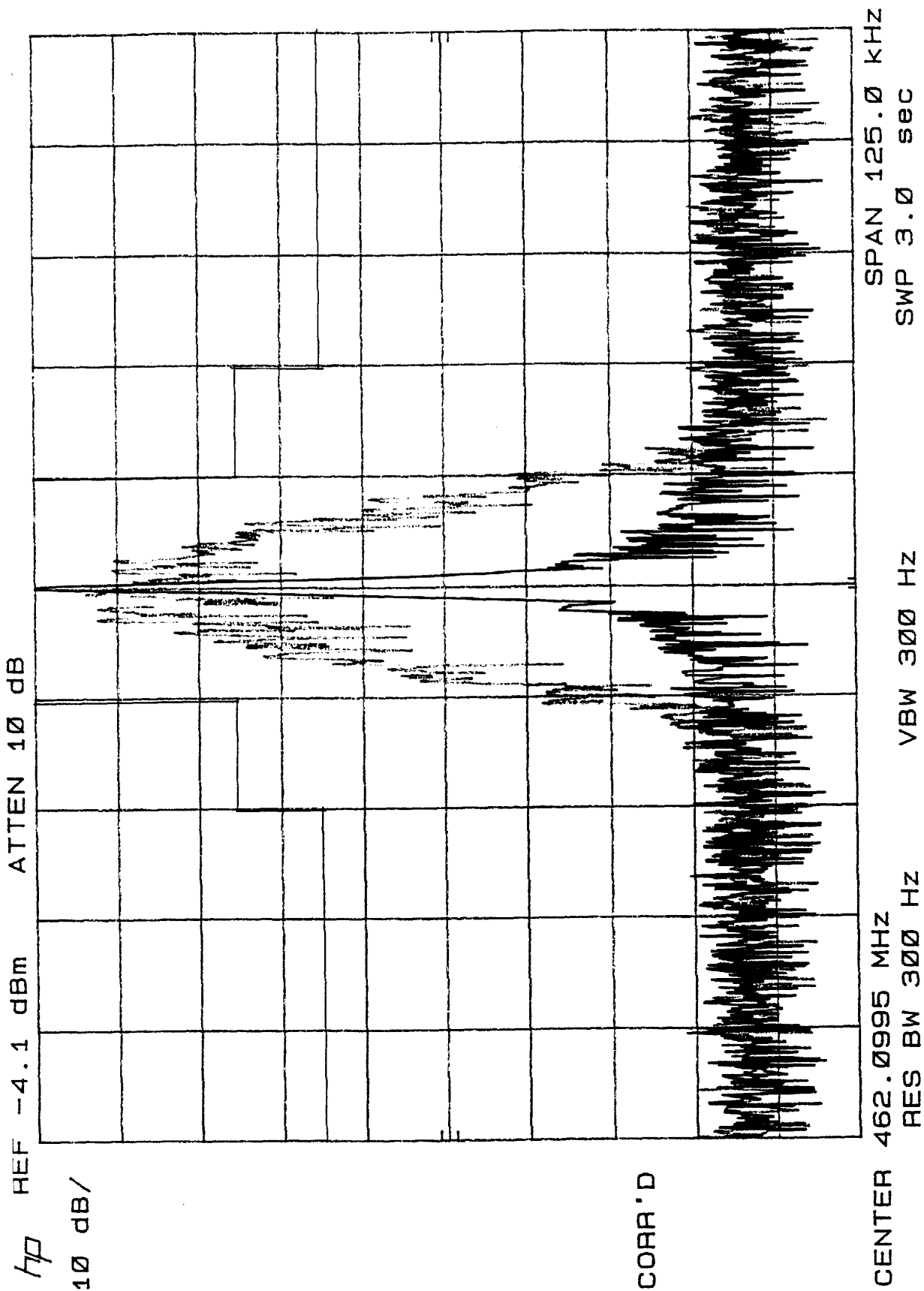


2000/3000 Hz FSK Data and PL Tone Modulation

Exhibit 6E-17

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

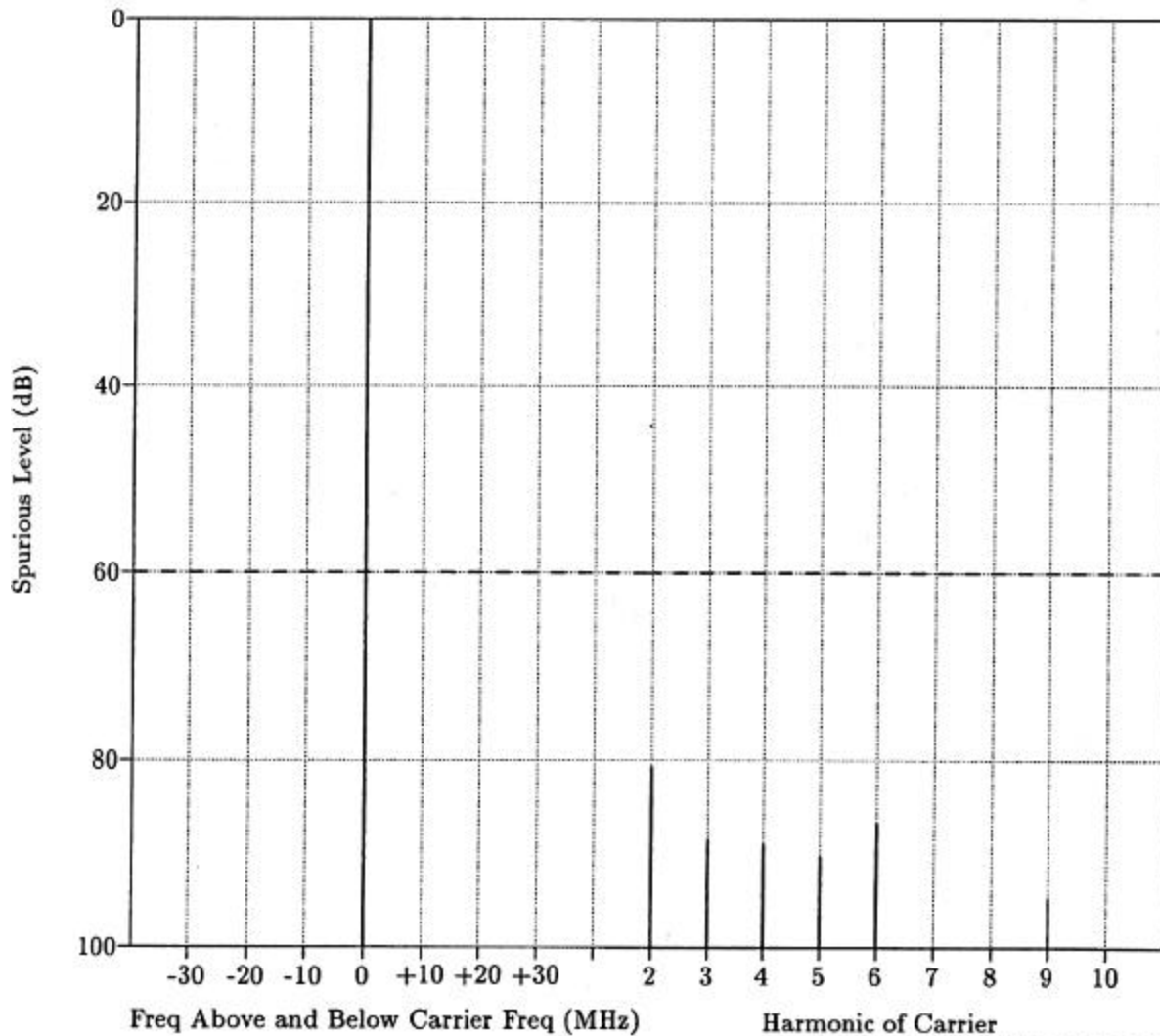


Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

Date _____
Signature C. Allison

Transmitter Type: See Above
Power Output: 10.00W at 450.0000MHz



MOTOROLA INC.

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

Reference FCC ID ABZ99FT4046
Method SEE EXHIBIT 7
Date 20 JAN 1999

Applicant: Motorola, Inc.

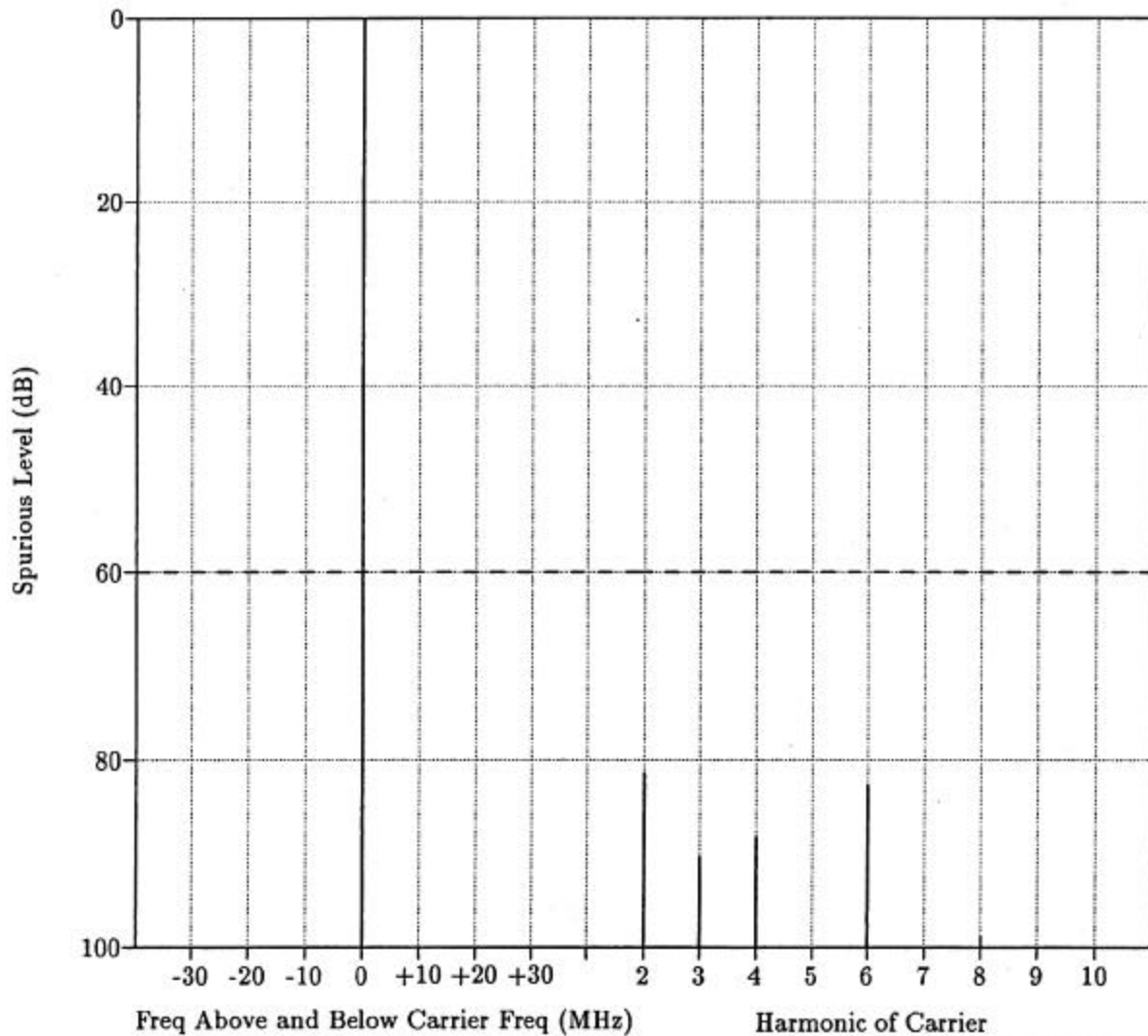
Equipment Type: ABZ99FT4046

Signature

C. Allison

Transmitter Type: See Above

Power Output: 10.00W at 462.0000MHz



MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC CONDUCTED SPURIOUS and HARMONIC EMISSIONS

Reference

FCC ID ABZ99FT4046

Method

SEE EXHIBIT 7

Date

20 JAN 1999

Applicant: Motorola, Inc.

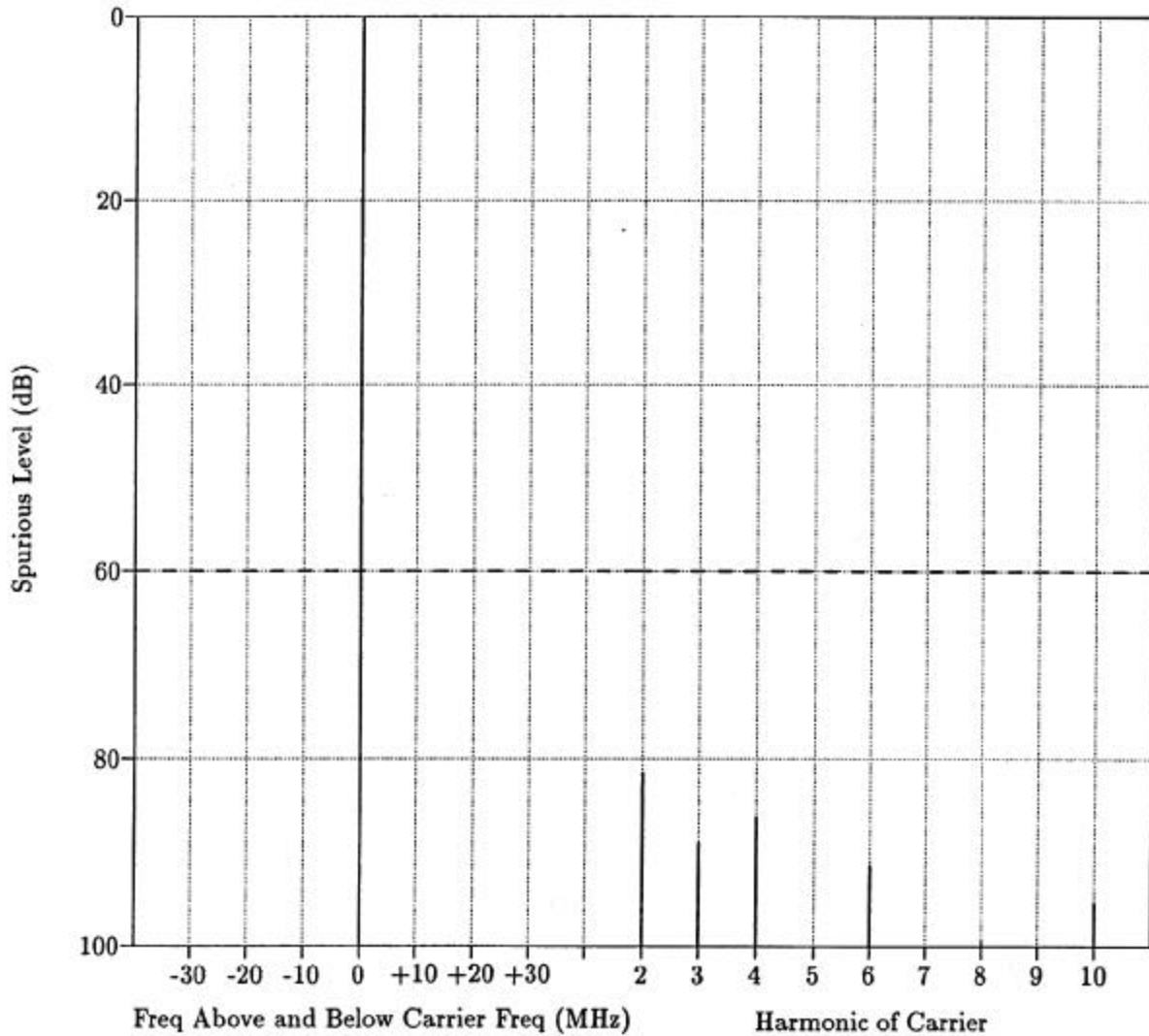
Equipment Type: ABZ99FT4046

Signature

C. Allison

Transmitter Type: See Above

Power Output: 10.00W at 472.0000MHz



MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC CONDUCTED SPURIOUS and HARMONIC EMISSIONS

Reference

FCC ID ABZ99FT4046

Method

SEE EXHIBIT 7

Date

20 JAN 1999

Applicant: Motorola, Inc.

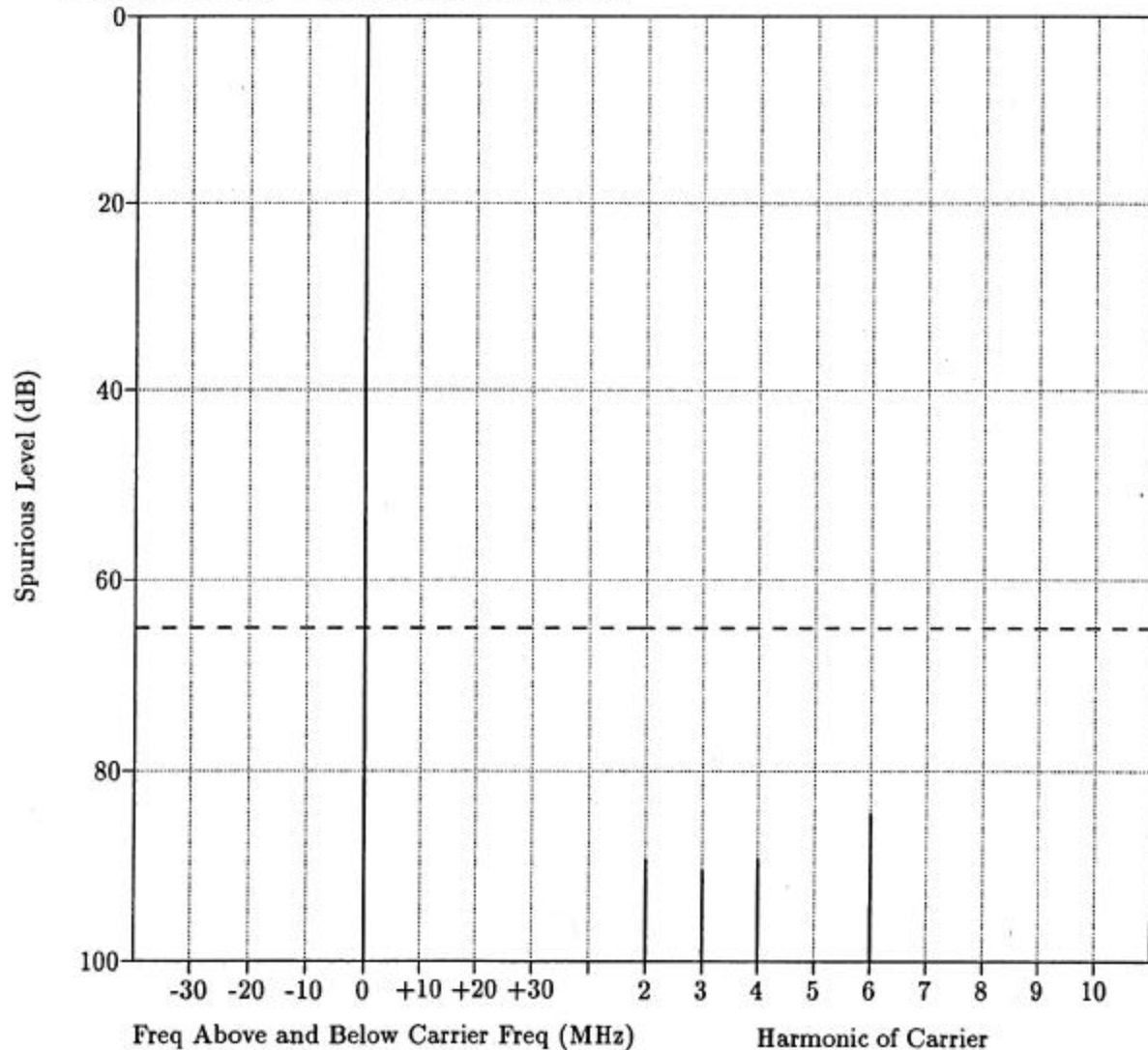
Equipment Type: ABZ99FT4046

Date:

Signature: C. Allison

Transmitter Type: See Above

Power Output: 30.00W at 450.0000MHz



MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC CONDUCTED SPURIOUS and HARMONIC EMISSIONS

Reference: FCC ID ABZ99FT4046

Method: SEE EXHIBIT 7

Date: 20 JAN 1999

EXHIBIT 6F-4

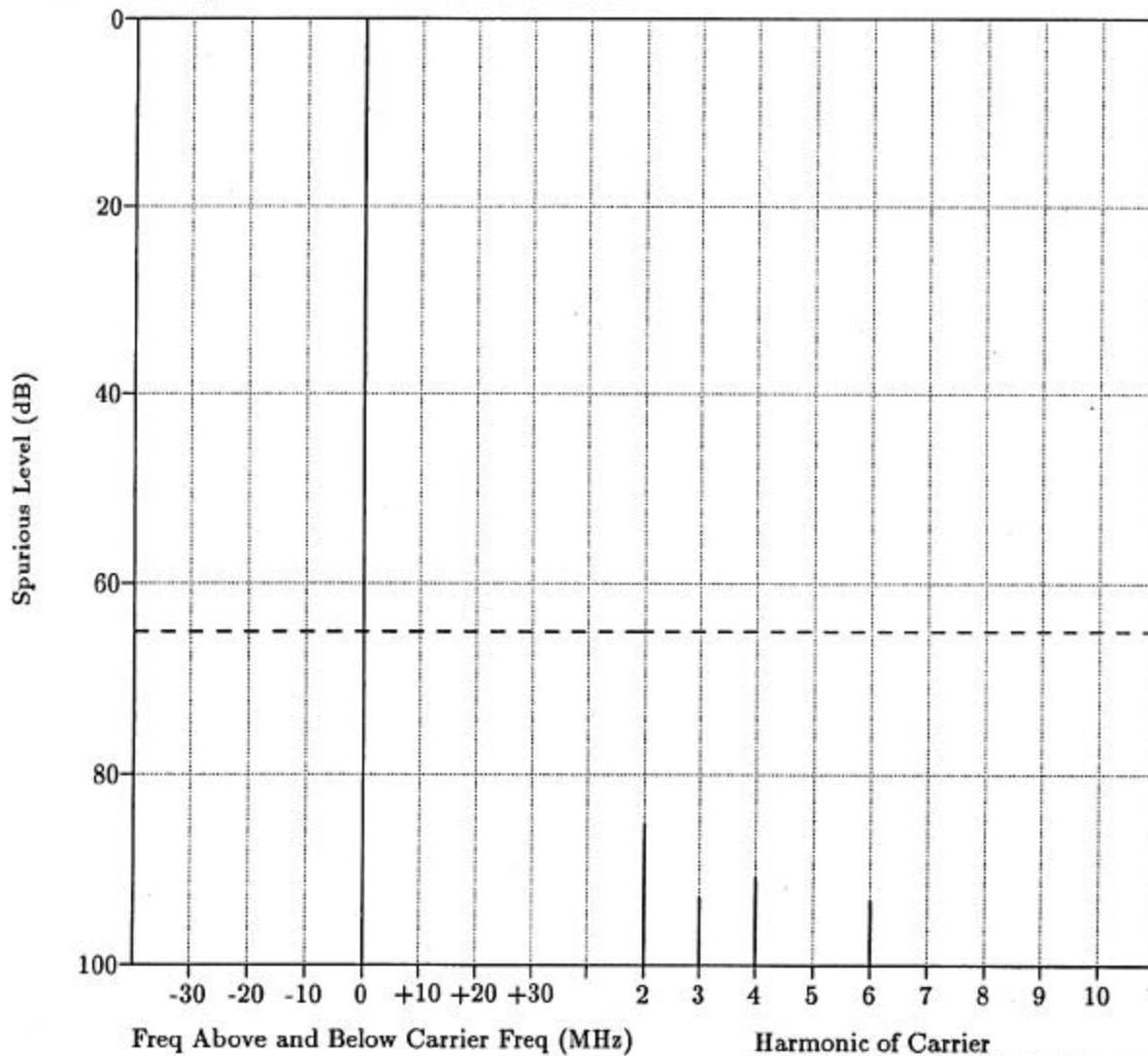
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

Date
Signature C. Allison

Transmitter Type: See Above

Power Output: 30.00W at 462.0000MHz



MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC CONDUCTED SPURIOUS and HARMONIC EMISSIONS

Reference FCC ID ABZ99FT4046

Method SEE EXHIBIT 7

Date 20 JAN 1999

EXHIBIT 6F-5

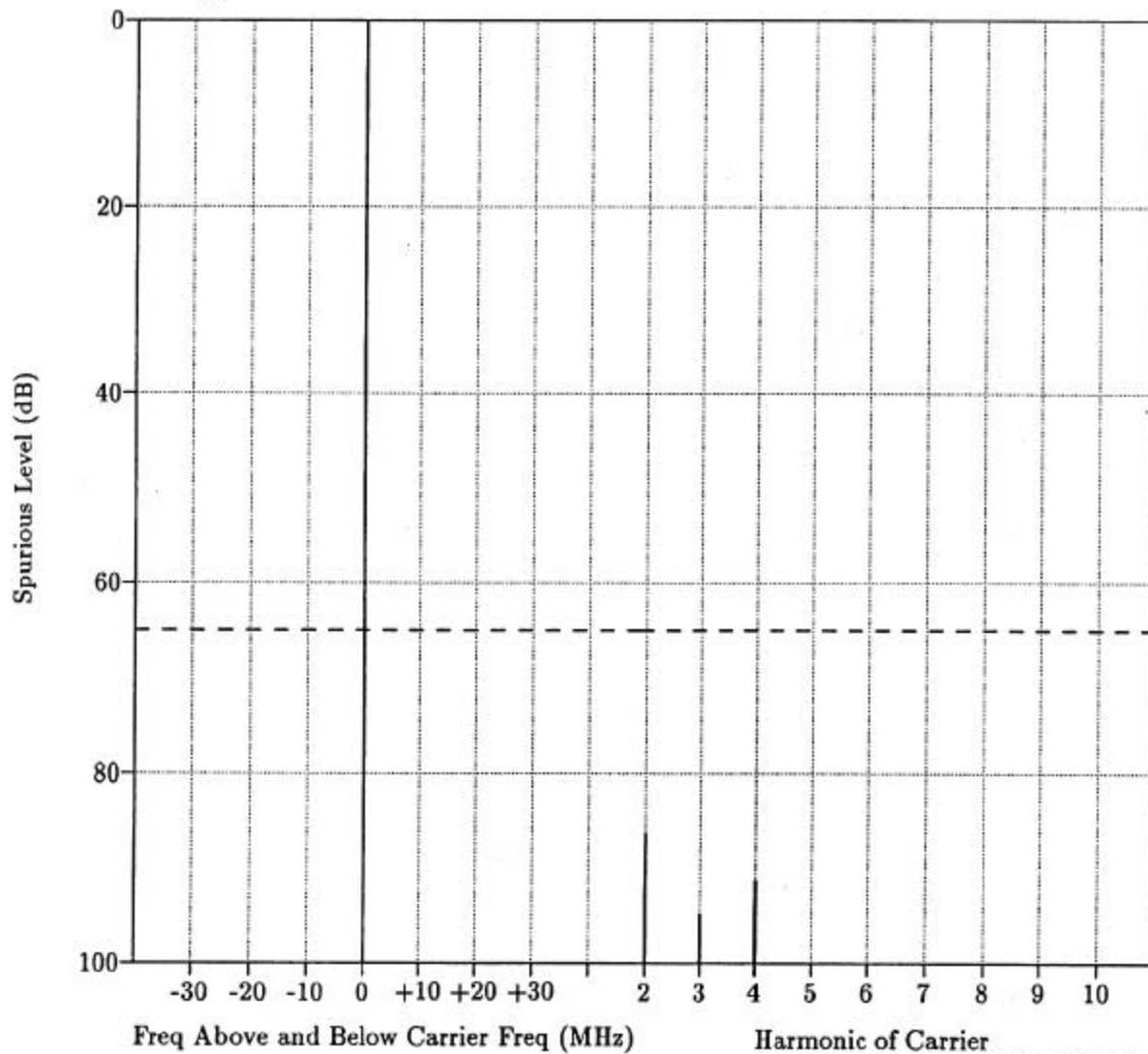
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

Date: _____
Signature: C. Allison

Transmitter Type: See Above

Power Output: 30.00W at 472.0000MHz



MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC CONDUCTED SPURIOUS and HARMONIC EMISSIONS

Reference: FCC ID ABZ99FT4046

Method: SEE EXHIBIT 7

Date: 20 JAN 1999

EXHIBIT 6F-6

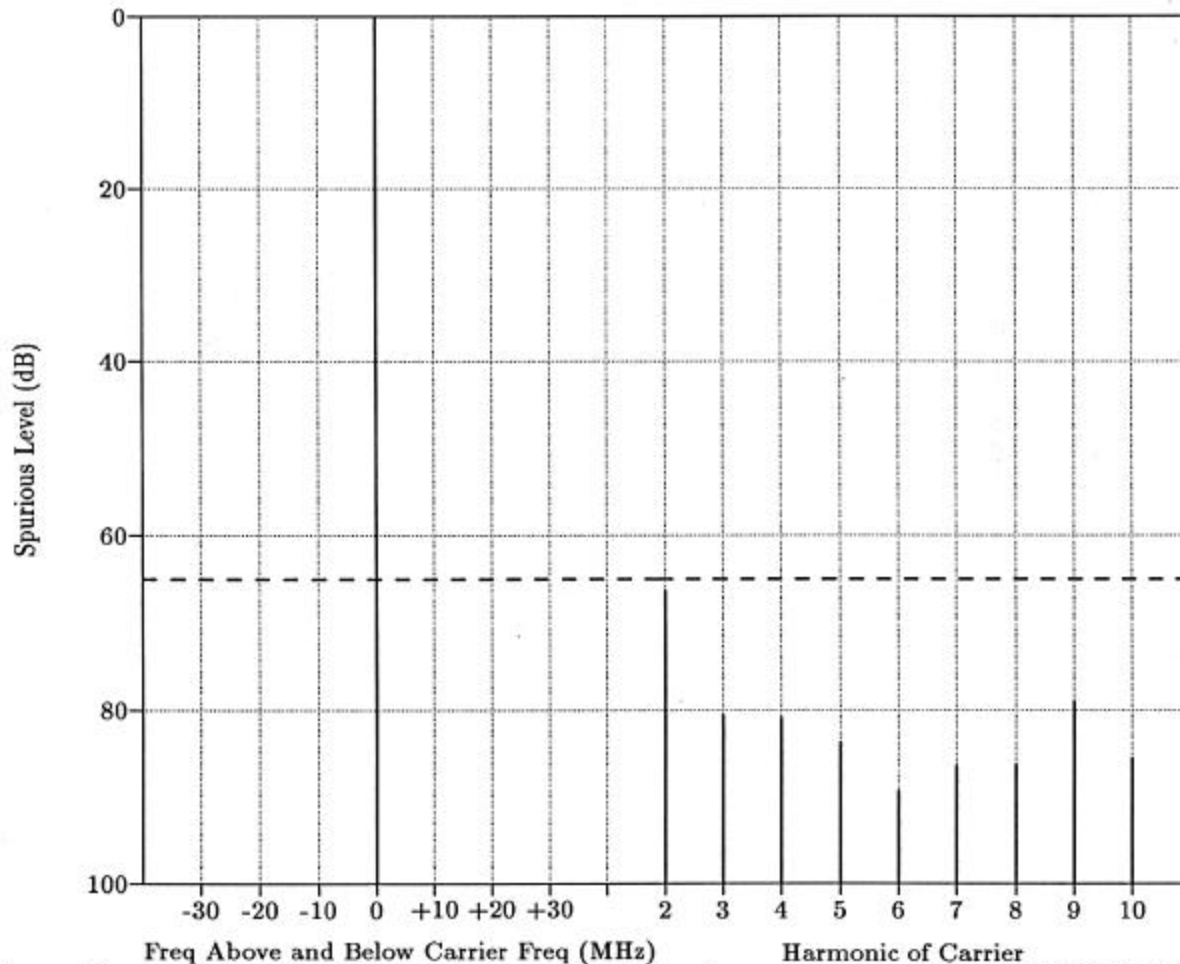
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

Signature [Signature]

Antenna Polarization: HORIZONTAL

Power Output: 30.00W at 460.0000MHz



Applicant: Motorola Inc.

Equipment Type: ABZ99FT4046

MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC RADIATED SPURIOUS and HARMONIC EMISSIONS

Reference FCC ID ABZ99FT4046

Method SEE EXHIBIT 7

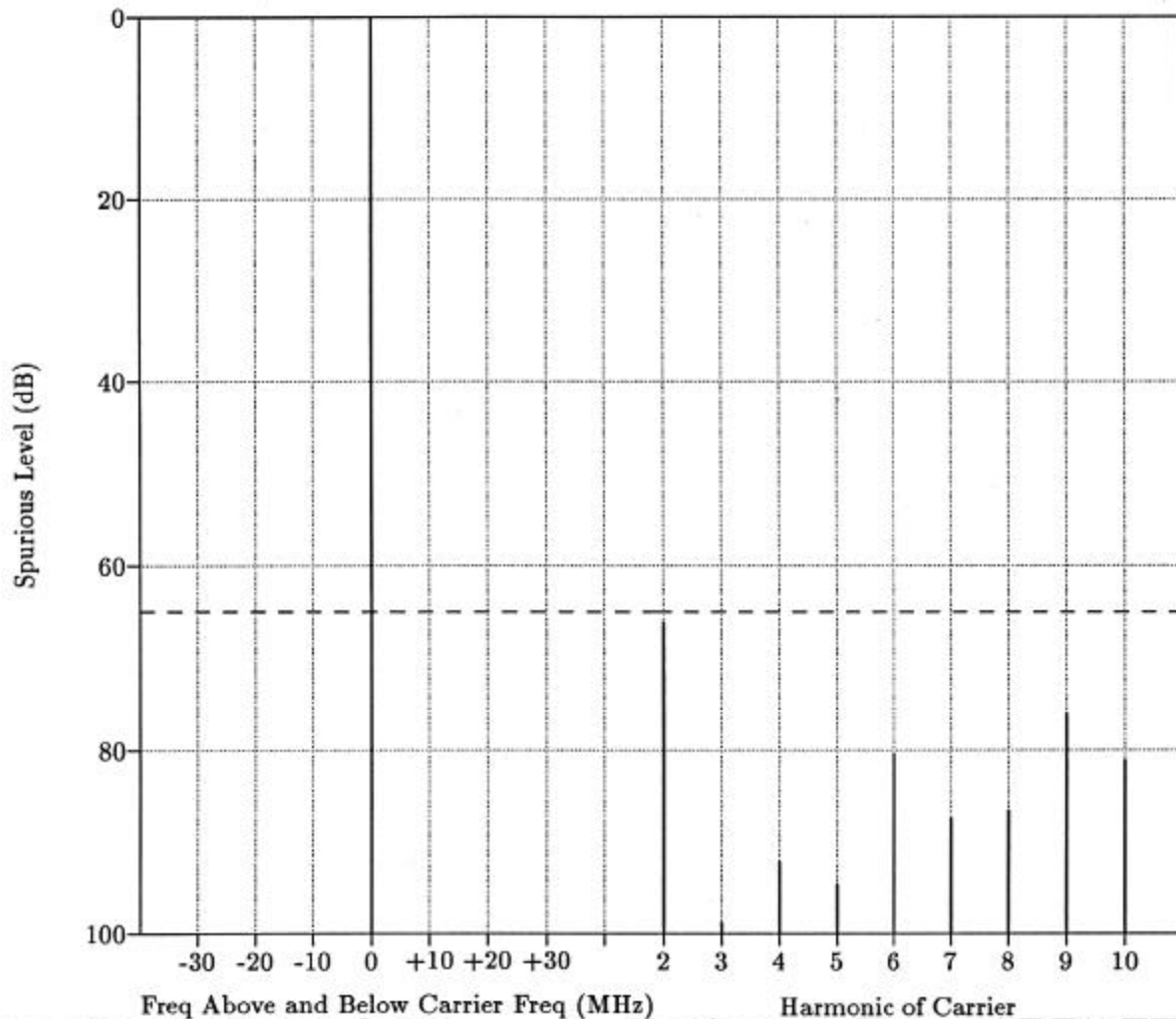
Date 29-JAN 1999

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

Signature C. Alhota

Antenna Polarization: VERTICAL
Power Output: 30.00W at 460.0000MHz



Applicant: Motorola Inc.

Equipment Type: ABZ99FT4046

MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC RADIATED SPURIOUS and HARMONIC EMISSIONS

Reference FCC ID ABZ99FT4046

Method SEE EXHIBIT 7

29 - 100 - 1009

EXHIBIT 6G-2

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

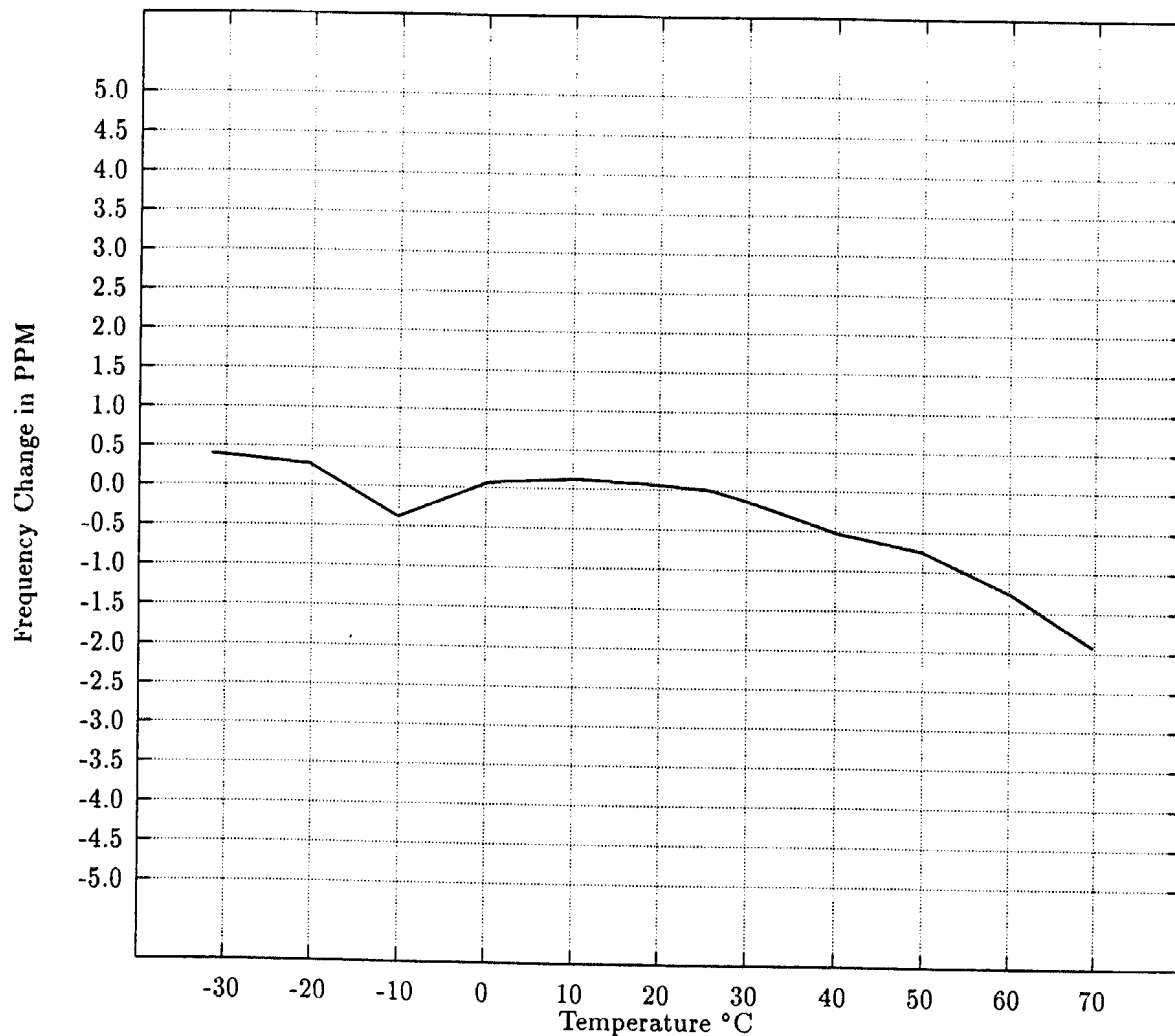
MOTOROLA INC.
CRYSTAL OSCILLATOR STABILITY CHARACTERISTIC
FREQUENCY vs. TEMPERATURE

Reference ABZ99FT 4044

Method SEE EXHIBIT 9m

Date 3 SEPT 1990

Signature C. D. R.



Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

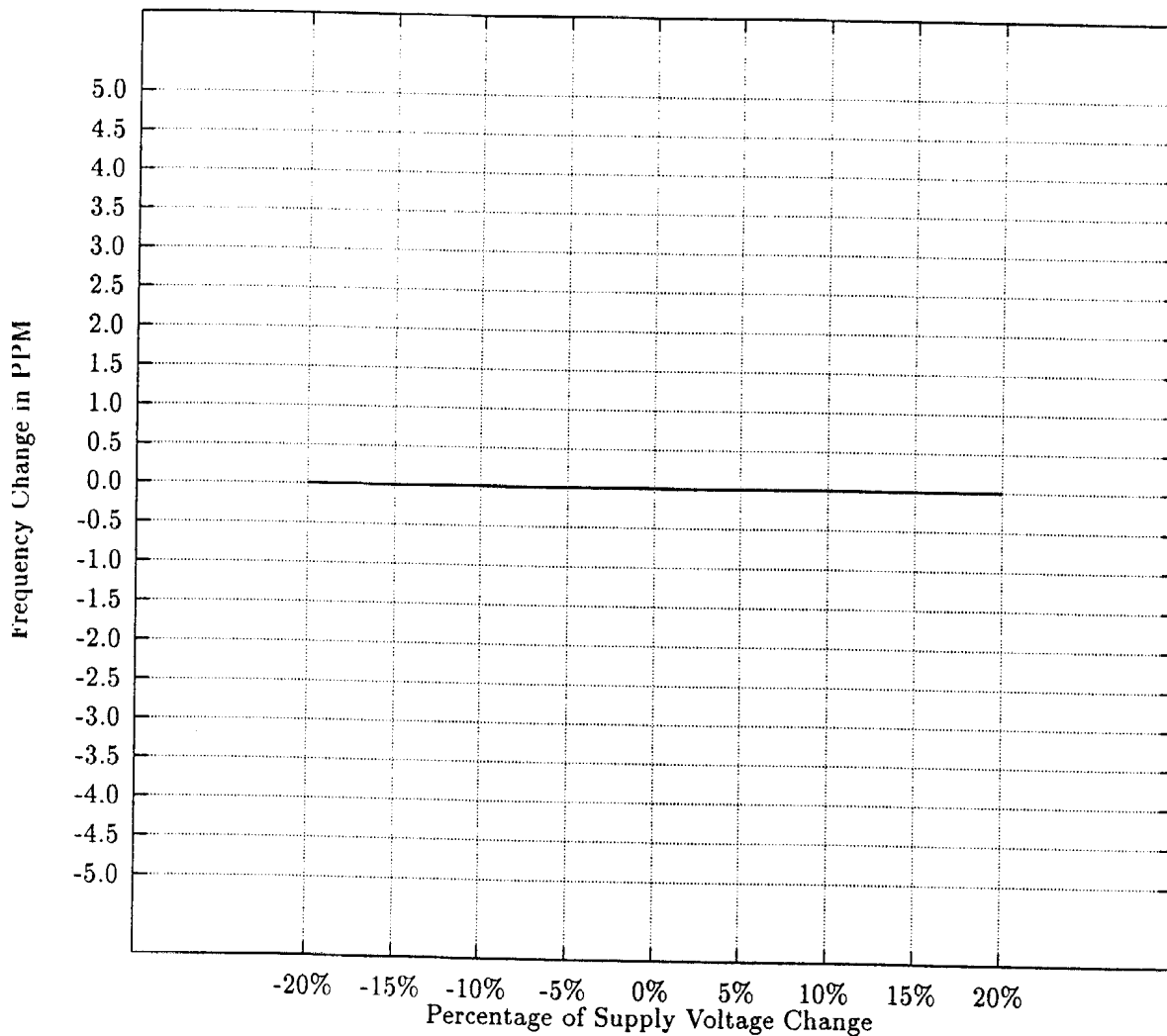
MOTOROLA INC.
STABILITY CHARACTERISTIC
FREQUENCY vs. VOLTAGE

Reference ABZ99FT 4044

Method SEE EXHIBIT 9M

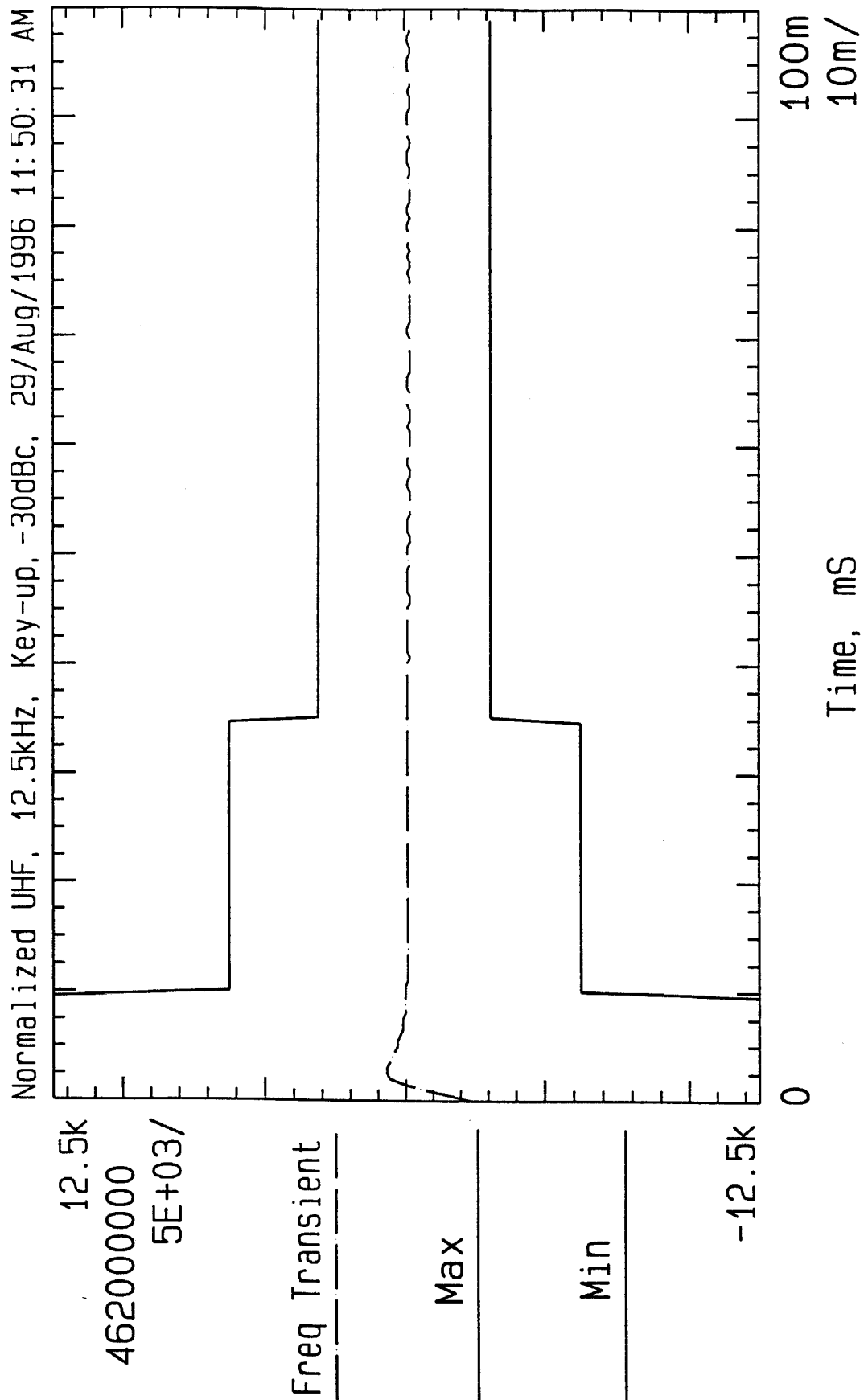
Date 3 SEPT 1994

Signature Cy D Rj



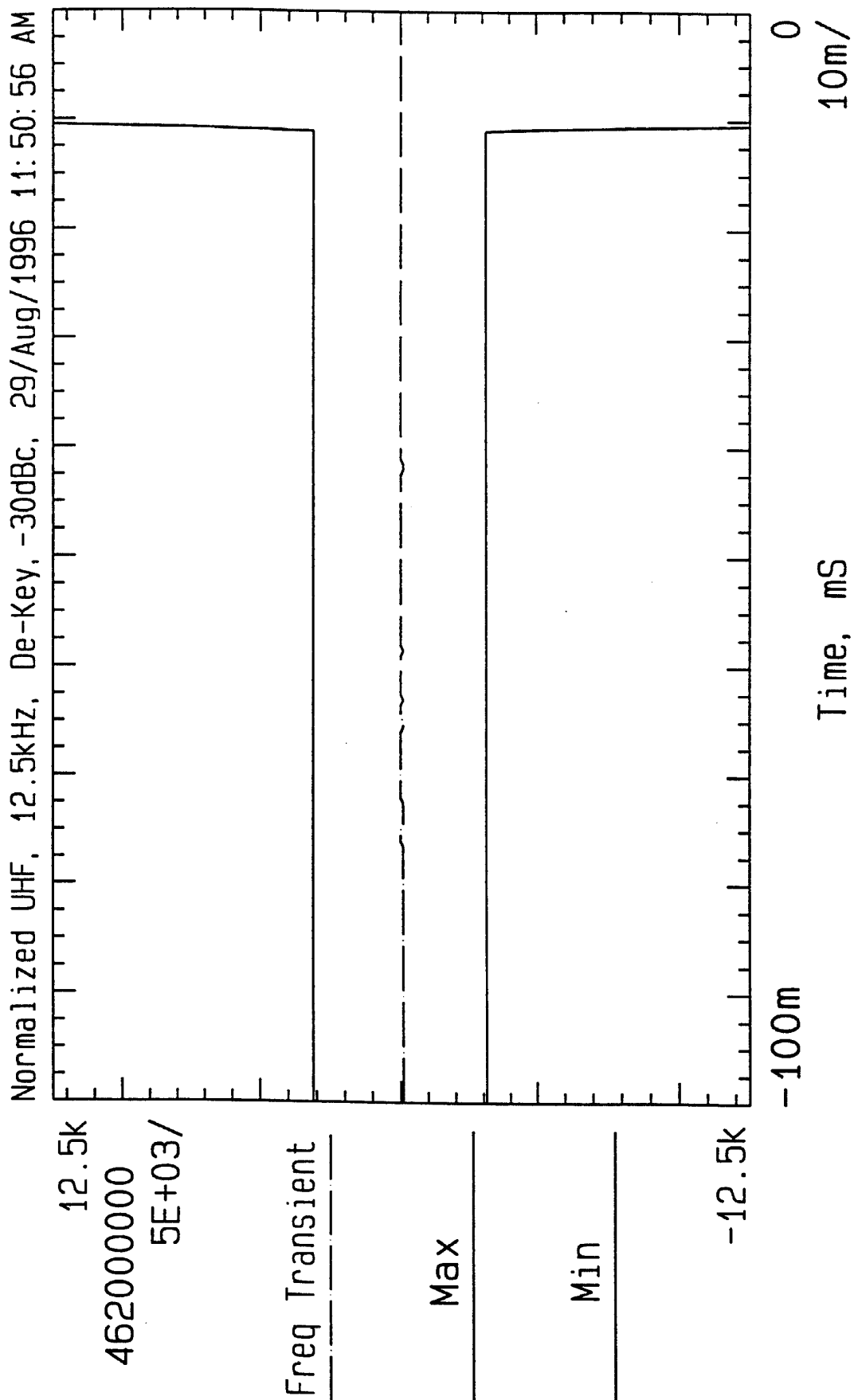
Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046



Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046



12.5k
46200000
5E+03/

Freq Transient

Max

Min

-12.5k

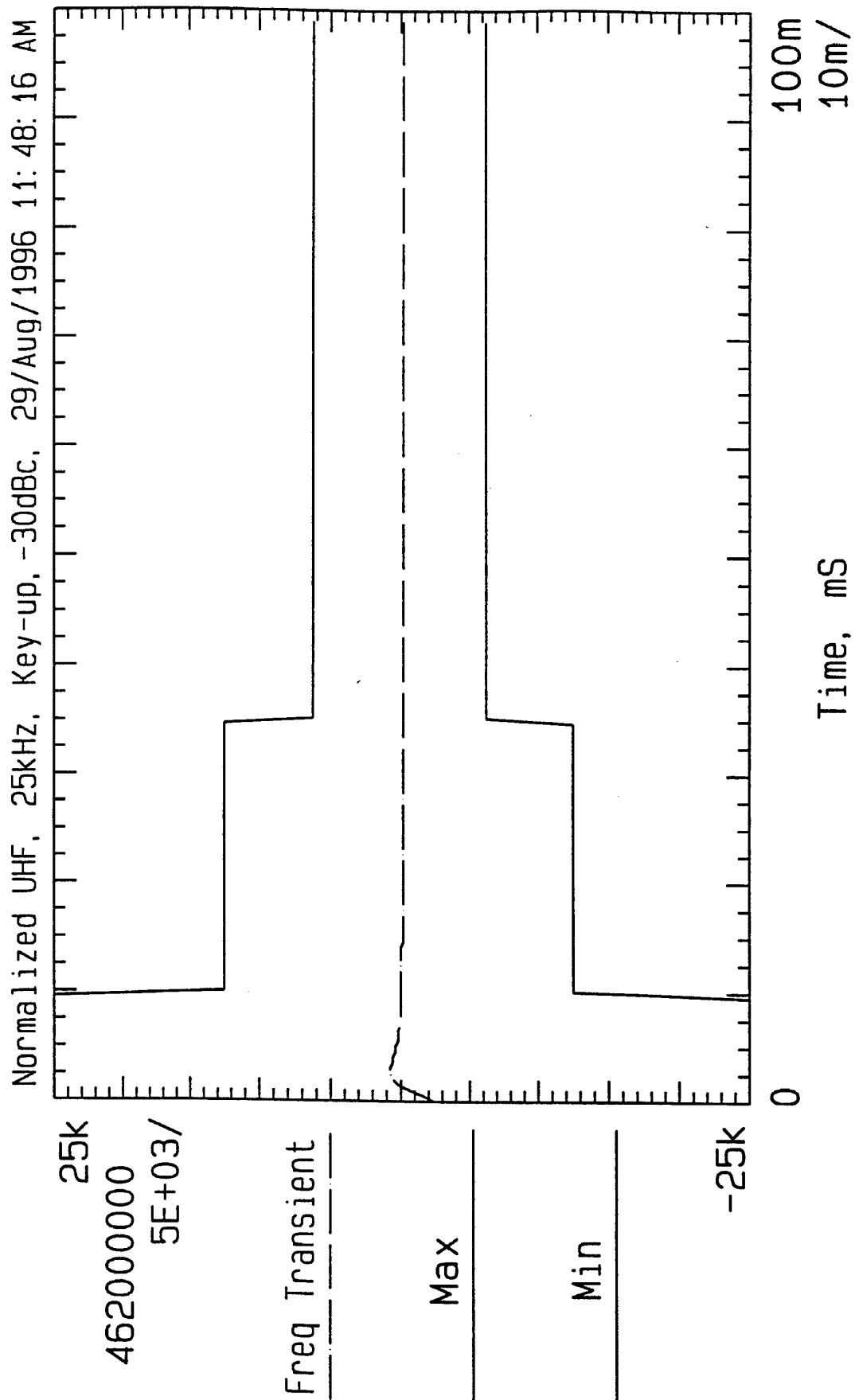
-100m

0
10m/

Time, ms

Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046



Applicant: Motorola, Inc.

Equipment Type: ABZ99FT4046

