

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 (Graph)**EXHIBIT 6D - Modulation Limiting Characteristics (6 Graphs)**

- 6D-1 – 12.5 kHz Carrier Squelch Mode
- 6D-2 – 12.5 kHz Tone Private Line (CTCSS) Mode
- 6D-3 – 12.5 kHz Digital Private Line (CDCSS) Mode
- 6D-4 – 25 kHz Carrier Squelch Mode
- 6D-5 – 25 kHz Tone Private Line (CTCSS) Mode
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- 6E-3 – 12.5 kHz 2500 Hz Audio and DPL (CDCSS) Modulation
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- 6E-8 – 12.5 kHz 2000/3000 Hz FSK Data and TPL (CTCSS) Modulation
- 6E-9 – 12.5 kHz 2000/3000 Hz FSK Data and DPL (CDCSS) Modulation
- 6E-10 – 12.5 kHz 4-Level FSK Digital Data
- 6E-11 – 12.5 kHz 4-Level FSK Digital Voice and Data
- 6E-12 – 25 kHz 2500 Hz Audio Modulation Only
- 6E-13 – 25 kHz 2500 Hz Audio and TPL (CTCSS) Modulation
- 6E-14 – 25 kHz 2500 Hz Audio and DPL (CDCSS) Modulation
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- 6E-16 – 25 kHz DTMF Modulation and TPL (CTCSS) Modulation
- 6E-17 – 25 kHz DTMF Modulation and DPL (CDCSS) Modulation
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- 6E-19 – 25 kHz 2000/3000 Hz FSK Data and TPL (CTCSS) Modulation
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EXHIBIT 6F - Conducted Spurious Emissions (6 Graphs)

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- 6F-5 – 25 Watts, 155.000 MHz
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INDEX OF SUBMITTED MEASURED DATA (CONTINUED)**EXHIBIT 6G** – Radiated Spurious Emissions – (12 Graphs)

- 6F-1 – 54 Watts, 136.000 MHz, 12.5 kHz
- 6F-2 – 54 Watts, 155.000 MHz, 12.5 kHz
- 6F-3 – 54 Watts, 174.000 MHz, 12.5 kHz
- 6F-4 – 25 Watts, 136.000 MHz, 12.5 kHz
- 6F-5 – 25 Watts, 155.000 MHz, 12.5 kHz
- 6F-6 – 25 Watts, 174.000 MHz, 12.5 kHz
- 6F-7 – 54 Watts, 136.000 MHz, 25 kHz
- 6F-8 – 54 Watts, 155.000 MHz, 25 kHz
- 6F-9 – 54 Watts, 174.000 MHz, 25 kHz
- 6F-10 – 25 Watts, 136.000 MHz, 25 kHz
- 6F-11 – 25 Watts, 155.000 MHz, 25 kHz
- 6F-12 – 25 Watts, 174.000 MHz, 25 kHz

EXHIBIT 6H – Frequency Stability (2 Graphs)

- 6H-1 – Frequency Stability vs. Temperature
- 6H-2 – Frequency Stability vs. Voltage

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- 6I-1 – 54 Watts, 12.5 kHz Key-Up Attack Time
- 6I-2 – 54 Watts, 12.5 kHz De-Key Decay Time
- 6I-3 – 54 Watts, 25 kHz Key-Up Attack Time
- 6I-4 – 54 Watts, 25 kHz De-Key Decay Time
- 6I-5 – 25 Watts, 12.5 kHz Key-Up Attack Time
- 6I-6 – 25 Watts, 12.5 kHz De-Key Decay Time
- 6I-7 – 25 Watts, 25 kHz Key-Up Attack Time
- 6I-8 – 25 Watts, 25 kHz De-Key Decay Time

RF OUTPUT DATA

The RF power output was measured with the indicated voltage applied to and current into the final RF amplifying device, pursuant to 47 CFR 2.1033(c)(8) and 2.1046.

HIGH POWER SETTING, FREQUENCY 136.000 MHz

Measured RF Output Power:	54.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	9.23 Amperes
Measured DC Input Power:	125.5 Watts

LOW POWER SETTING, FREQUENCY 136.000 MHz

Measured RF Output Power:	25.0 Watt
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	6.78 Amperes
Measured DC Input Power:	92.2 Watts

HIGH POWER SETTING, FREQUENCY 155.000 MHz

Measured RF Output Power:	54.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	7.74 Amperes
Measured DC Input Power:	105.3 Watts

LOW POWER SETTING, FREQUENCY 155.000 MHz

Measured RF Output Power:	25.0 Watt
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	5.70 Amperes
Measured DC Input Power:	77.5 Watts

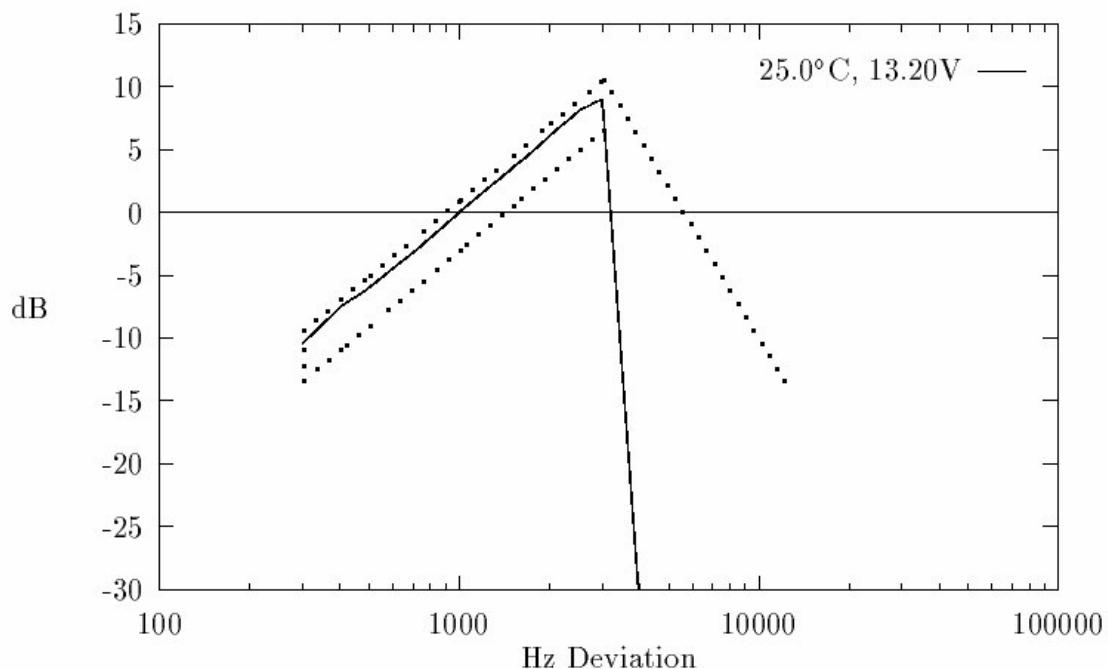
HIGH POWER SETTING, FREQUENCY 174.000 MHz

Measured RF Output Power:	54.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	8.17 Amperes
Measured DC Input Power:	111.1 Watts

LOW POWER SETTING, FREQUENCY 174.000 MHz

Measured RF Output Power:	25.0 Watt
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	5.88 Amperes
Measured DC Input Power:	80.0 Watts

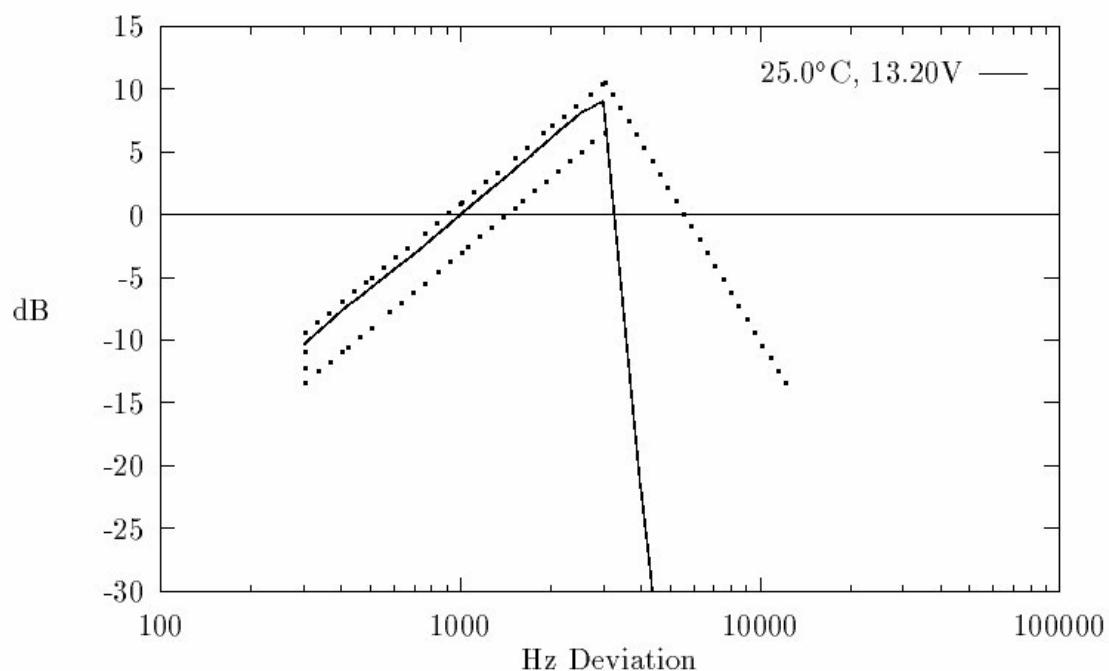
**TRANSMIT AUDIO RESPONSE
12.5 kHz CHANNEL SPACING**



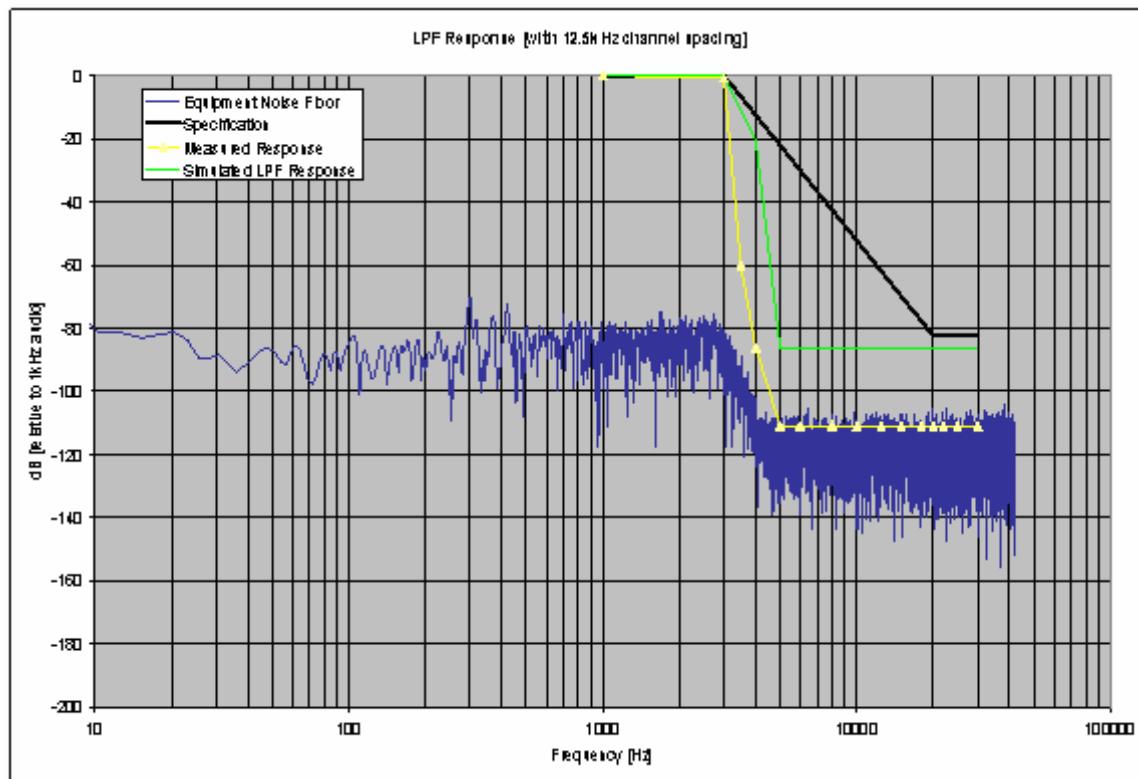
MOTOROLA INC.

FCC ID: ABZ99FT3082

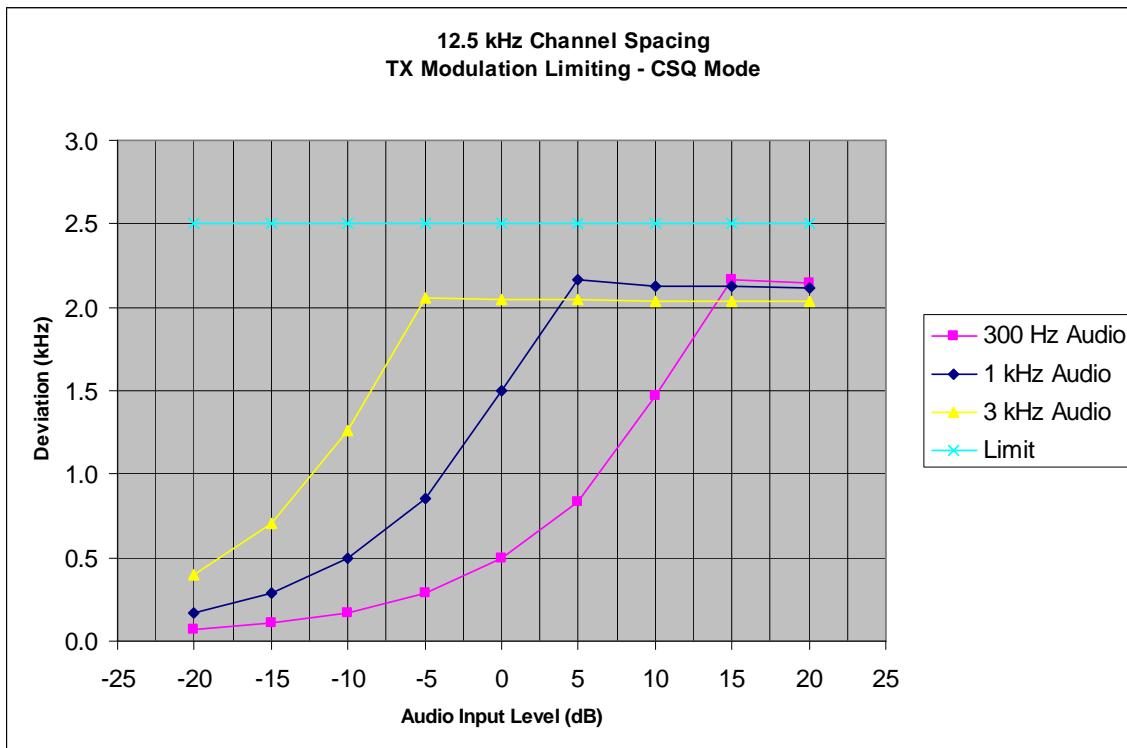
TRANSMIT AUDIO RESPONSE
25 kHz CHANNEL SPACING



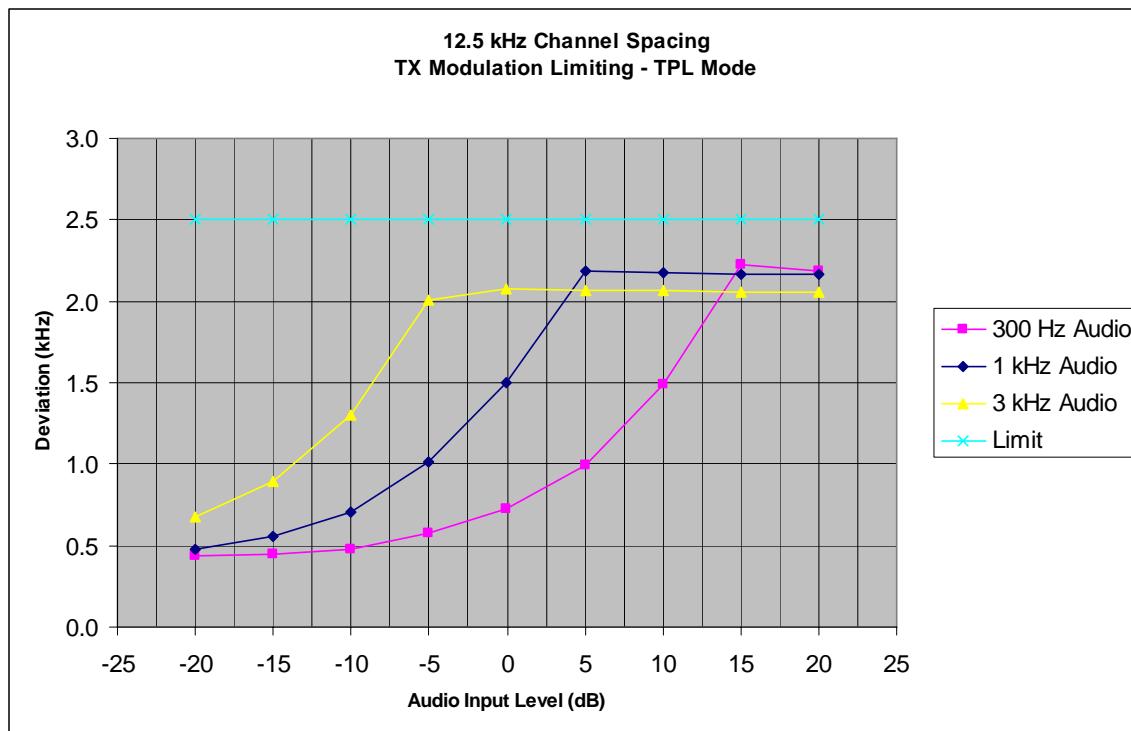
POST-LIMITER LOWPASS FILTER RESPONSE



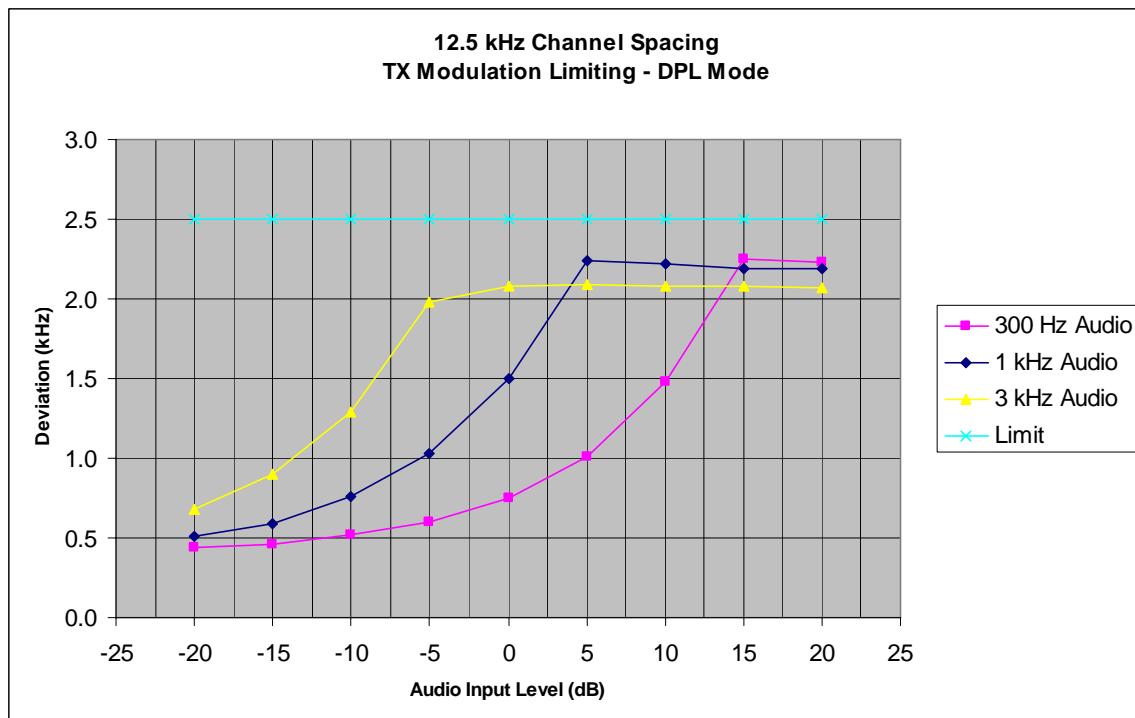
MODULATION LIMITING CHARACTERISTIC
12.5 kHz CARRIER SQUELCH MODE



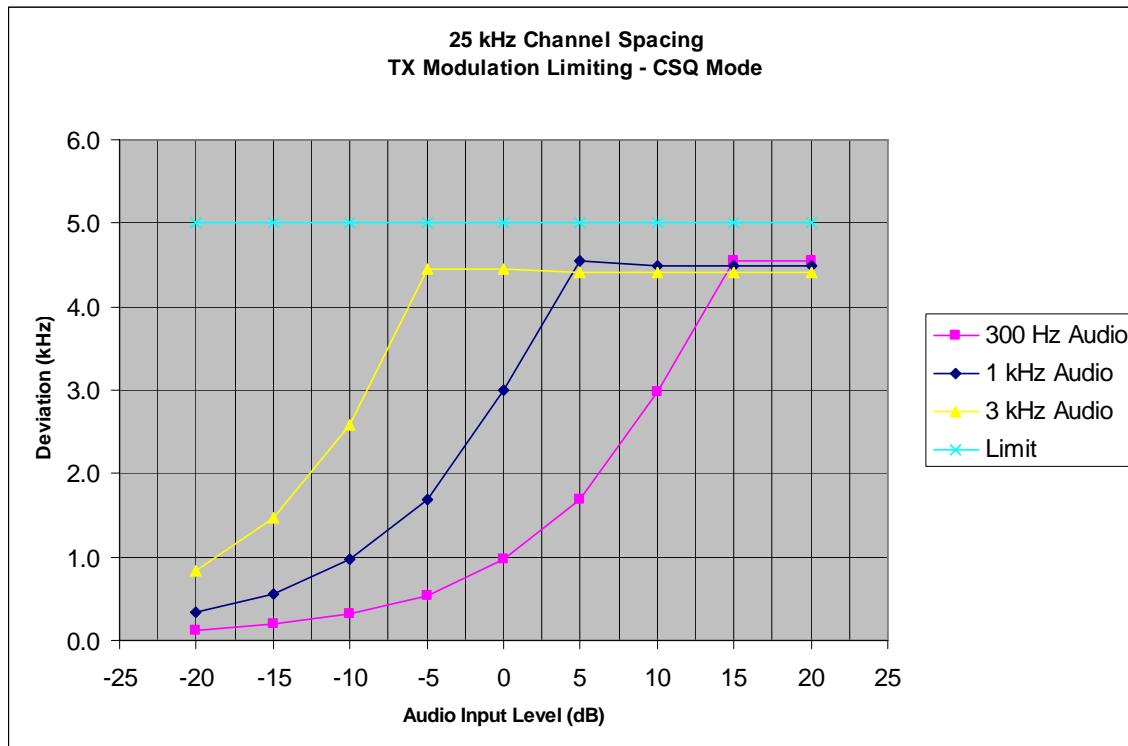
MODULATION LIMITING CHARACTERISTIC
12.5 kHz TONE PL MODE



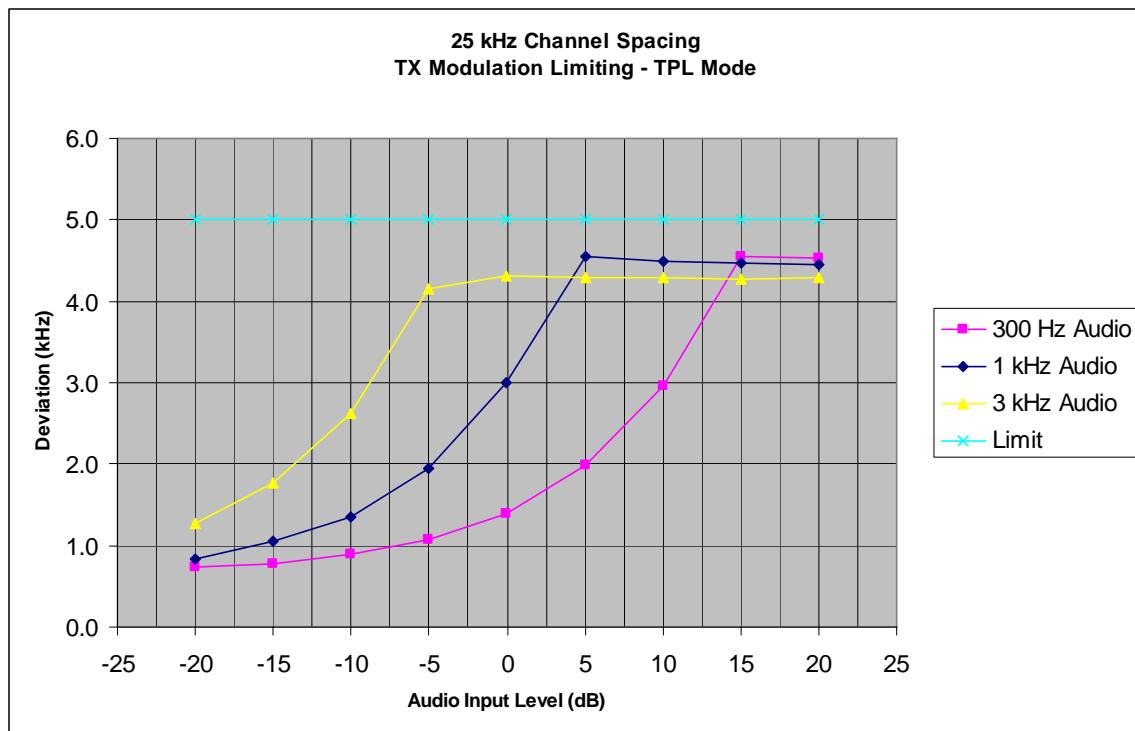
**MODULATION LIMITING CHARACTERISTIC
12.5 kHz DPL MODE**



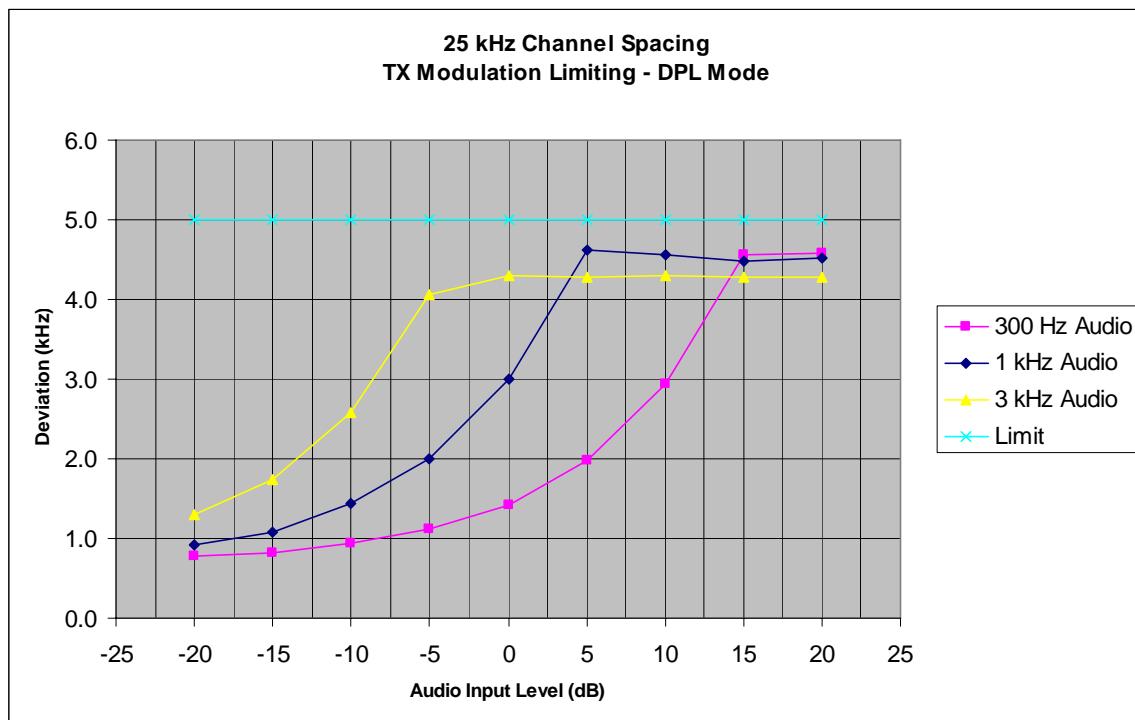
MODULATION LIMITING CHARACTERISTIC
25 kHz CARRIER SQUELCH MODE



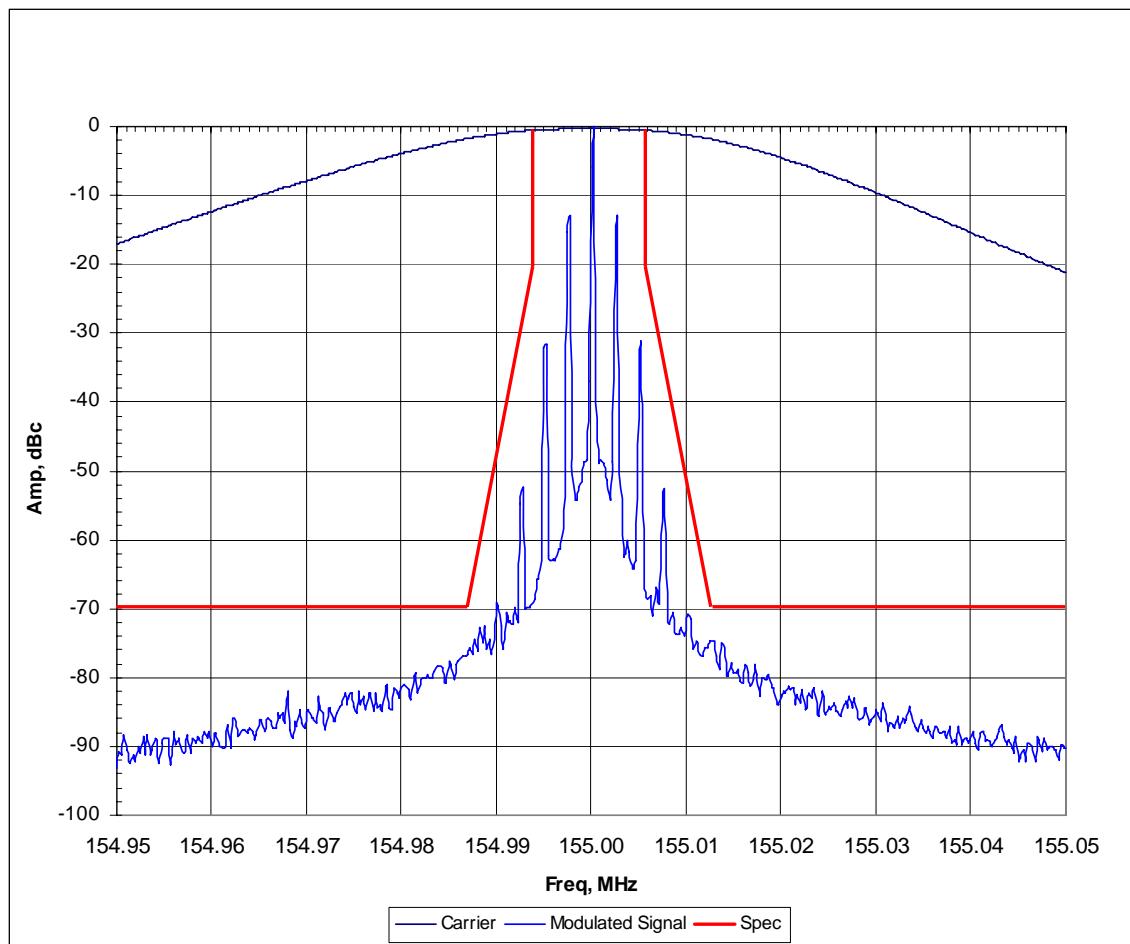
**MODULATION LIMITING CHARACTERISTIC
25 kHz TONE PL MODE**



**MODULATION LIMITING CHARACTERISTIC
25 kHz DPL MODE**

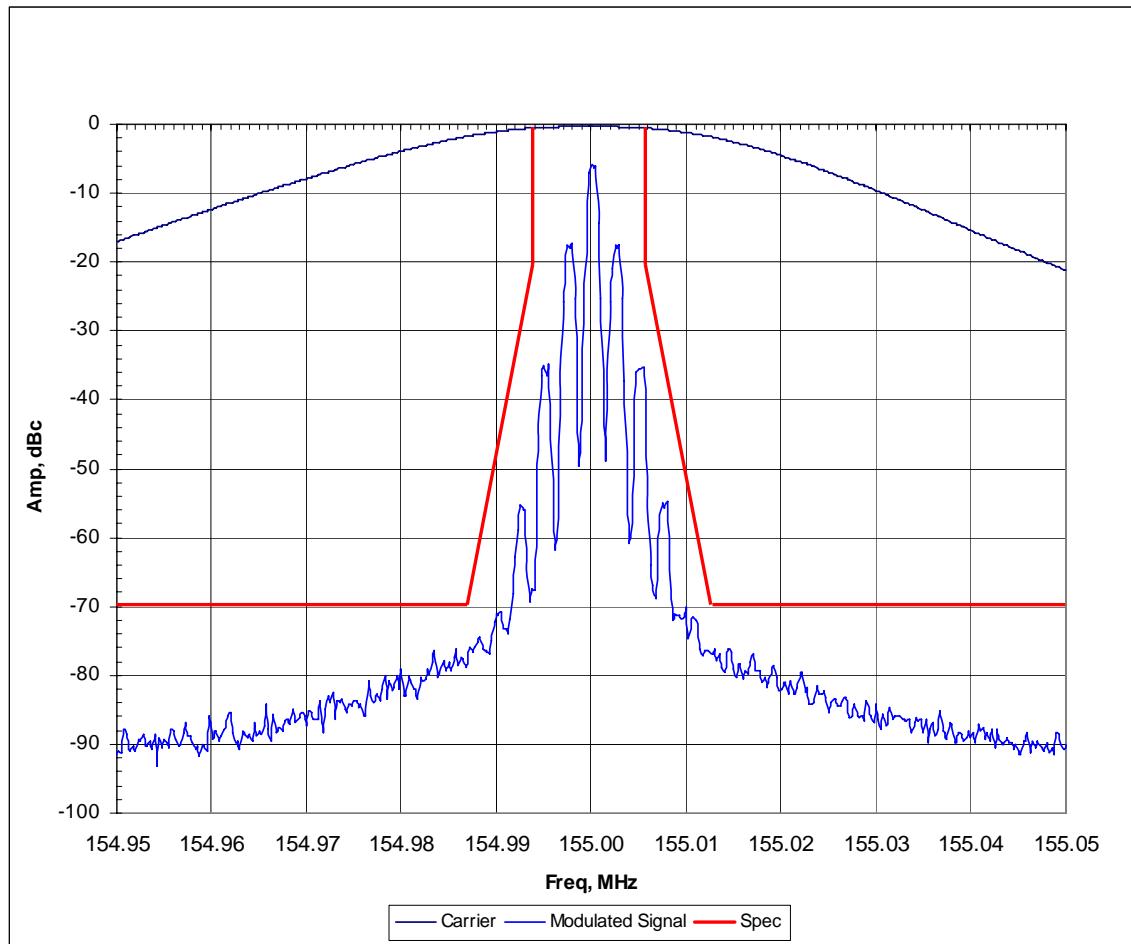


**OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, 2500 Hz TONE, CARRIER SQUELCH
EMISSION MASK: D**



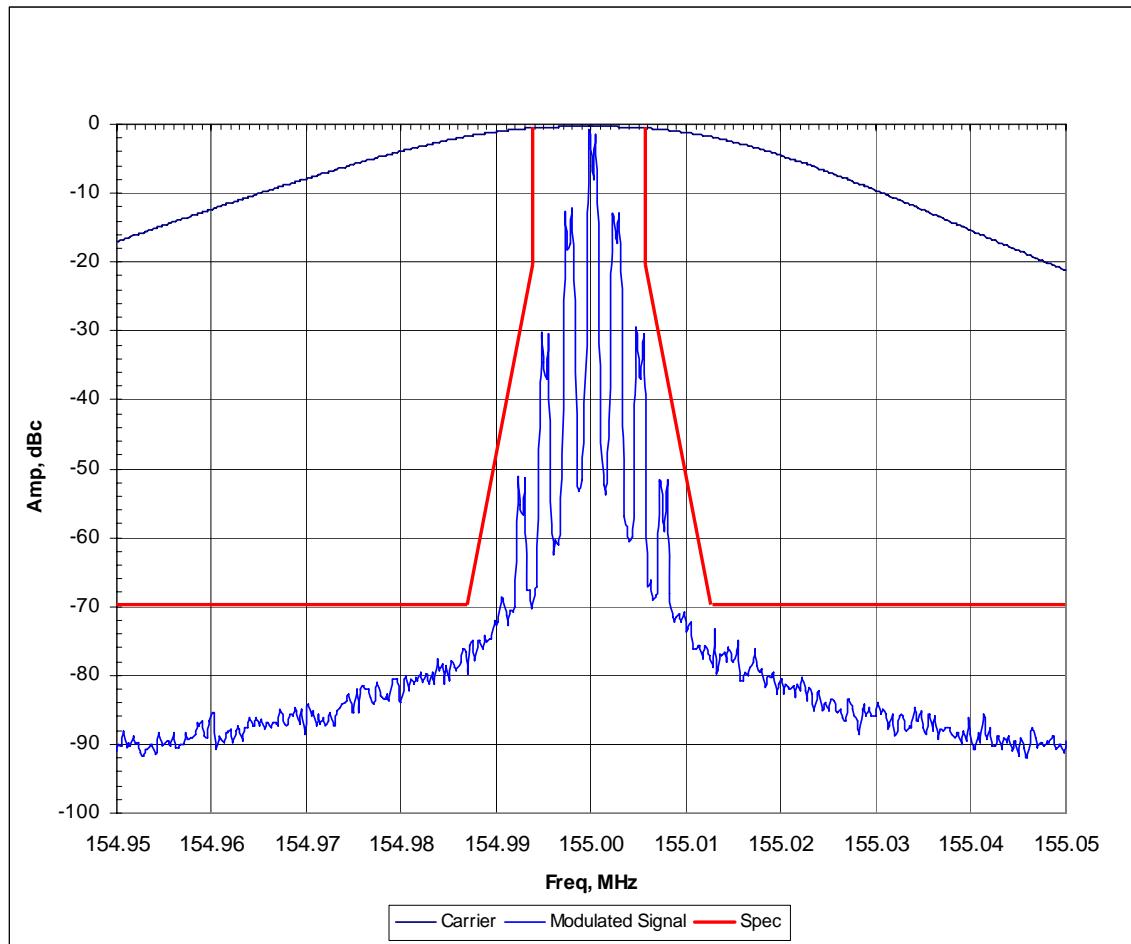
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RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 KHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEET TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB
ATTENUATION:	30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, 2500 Hz TONE, TPL 250.3 Hz
EMISSION MASK: D**



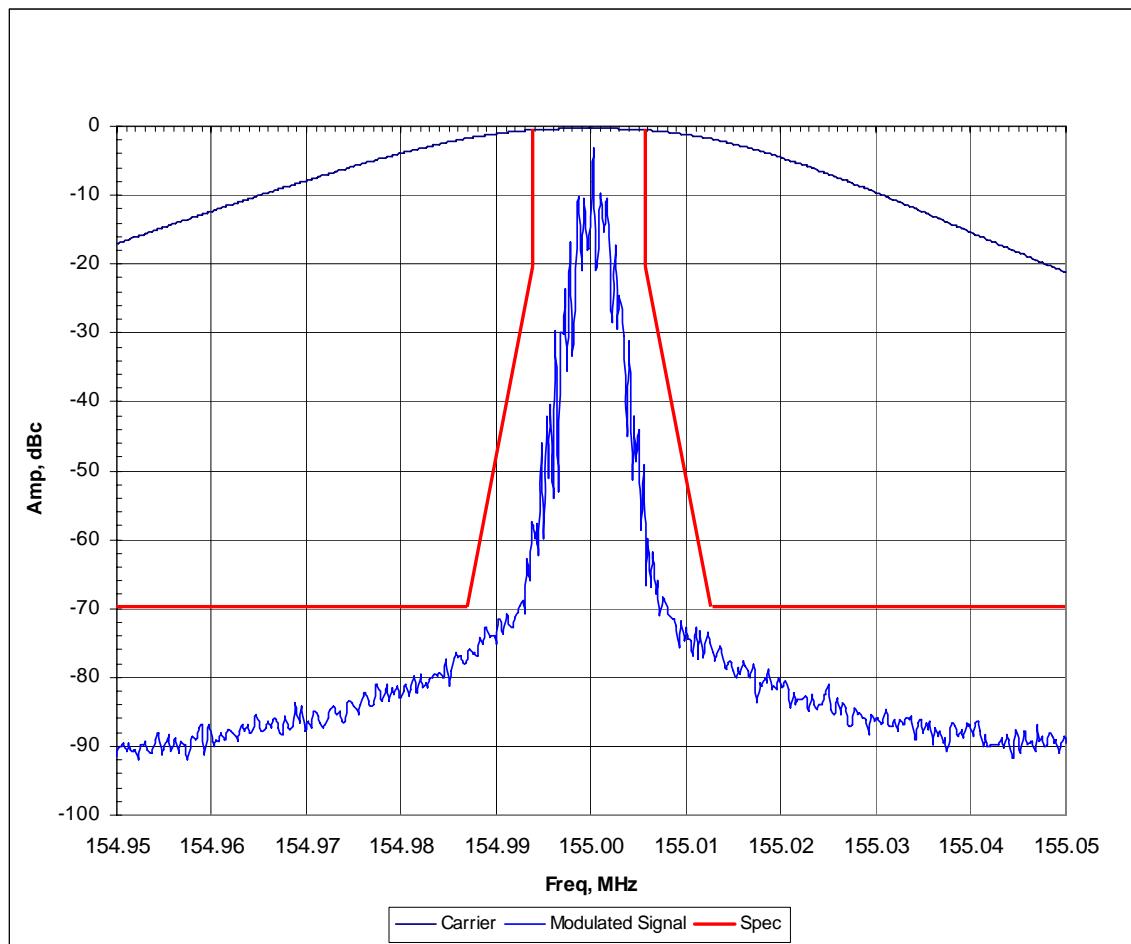
CENTER FREQUENCY: 155.0 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 KHz
SPAN: 100 kHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB
ATTENUATION: 30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, 2500 Hz TONE, DPL 131
EMISSION MASK: D**



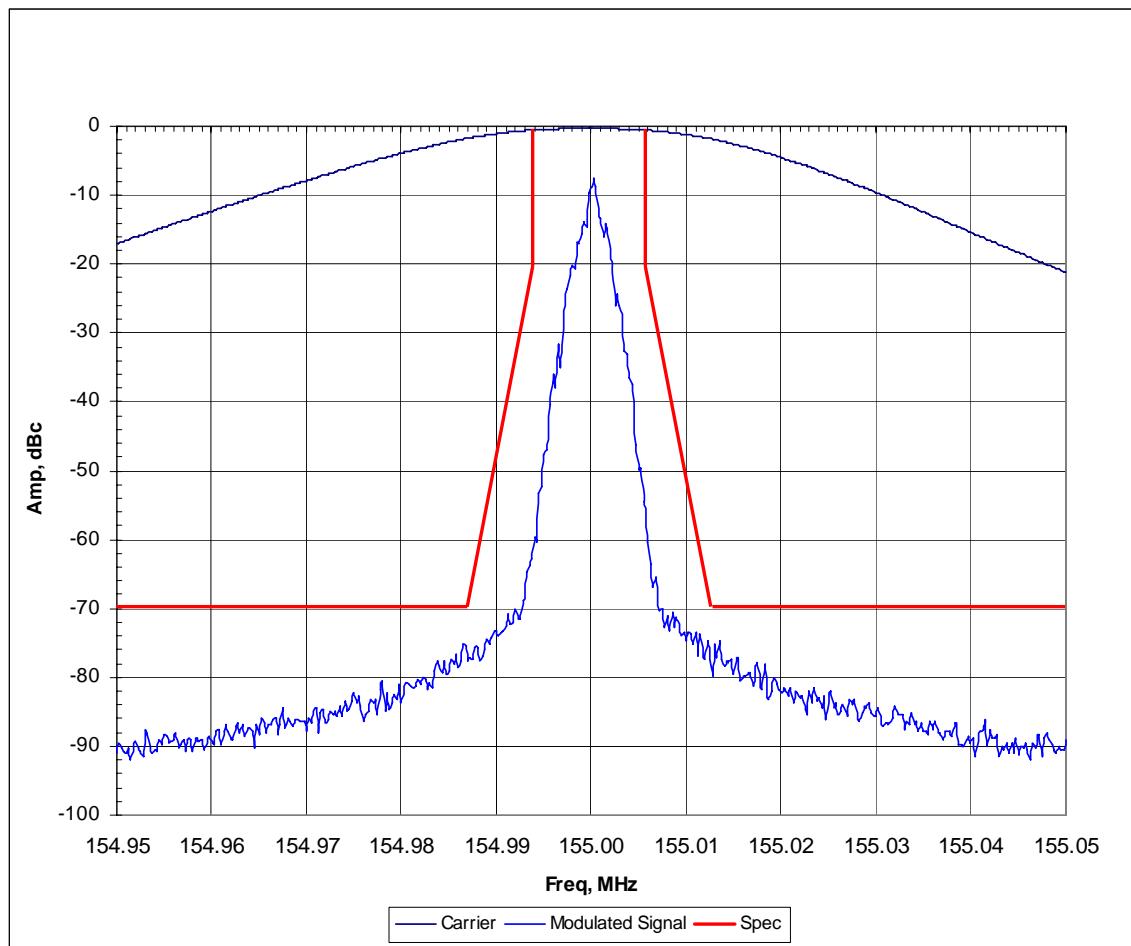
CENTER FREQUENCY: 155.0 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 KHz
SPAN: 100 kHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB
ATTENUATION: 30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, DTMF MODULATION, CARRIER SQUELCH
EMISSION MASK: D**



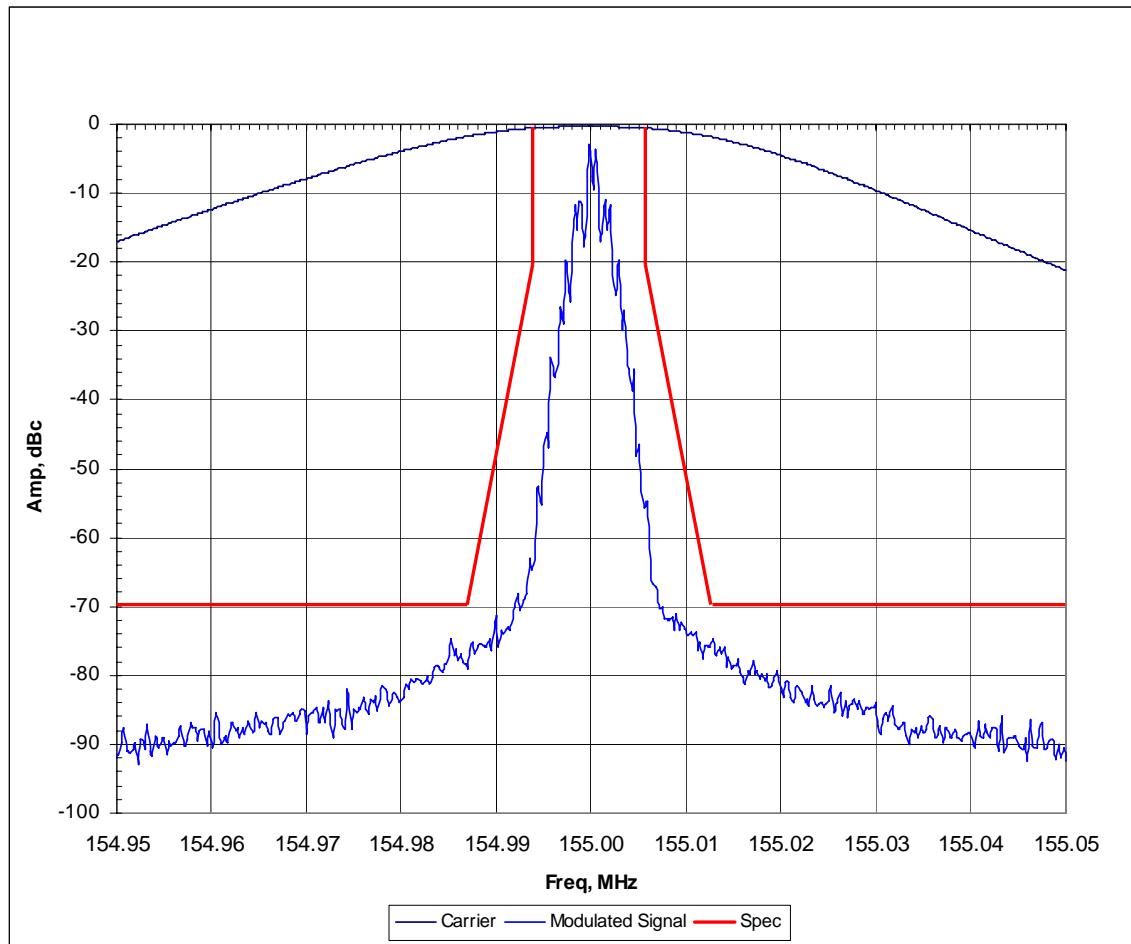
CENTER FREQUENCY:	155.0 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 KHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB
ATTENUATION:	30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, DTMF MODULATION, TPL 250.3 Hz
EMISSION MASK: D**



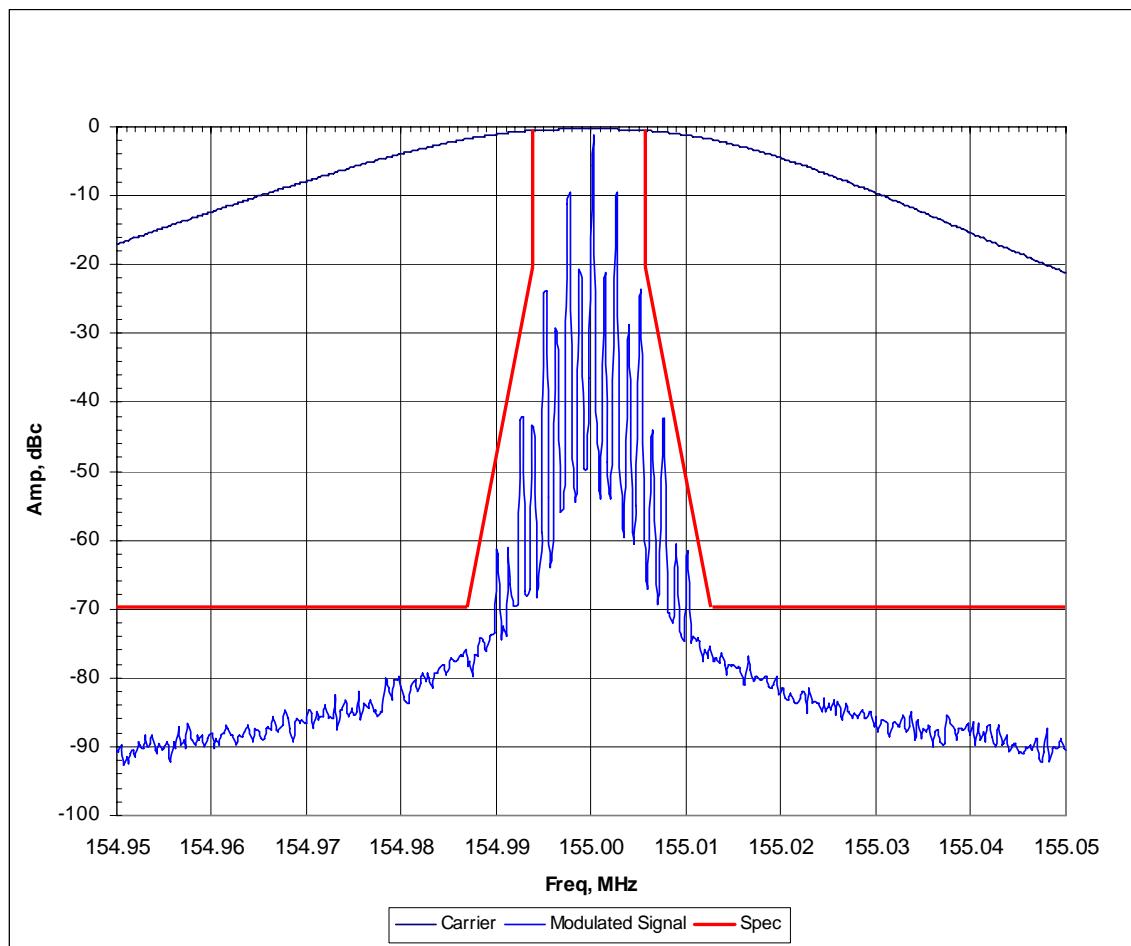
CENTER FREQUENCY: 155.0 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 KHz
SPAN: 100 kHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB
ATTENUATION: 30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, DTMF MODULATION, DPL 131
EMISSION MASK: D**



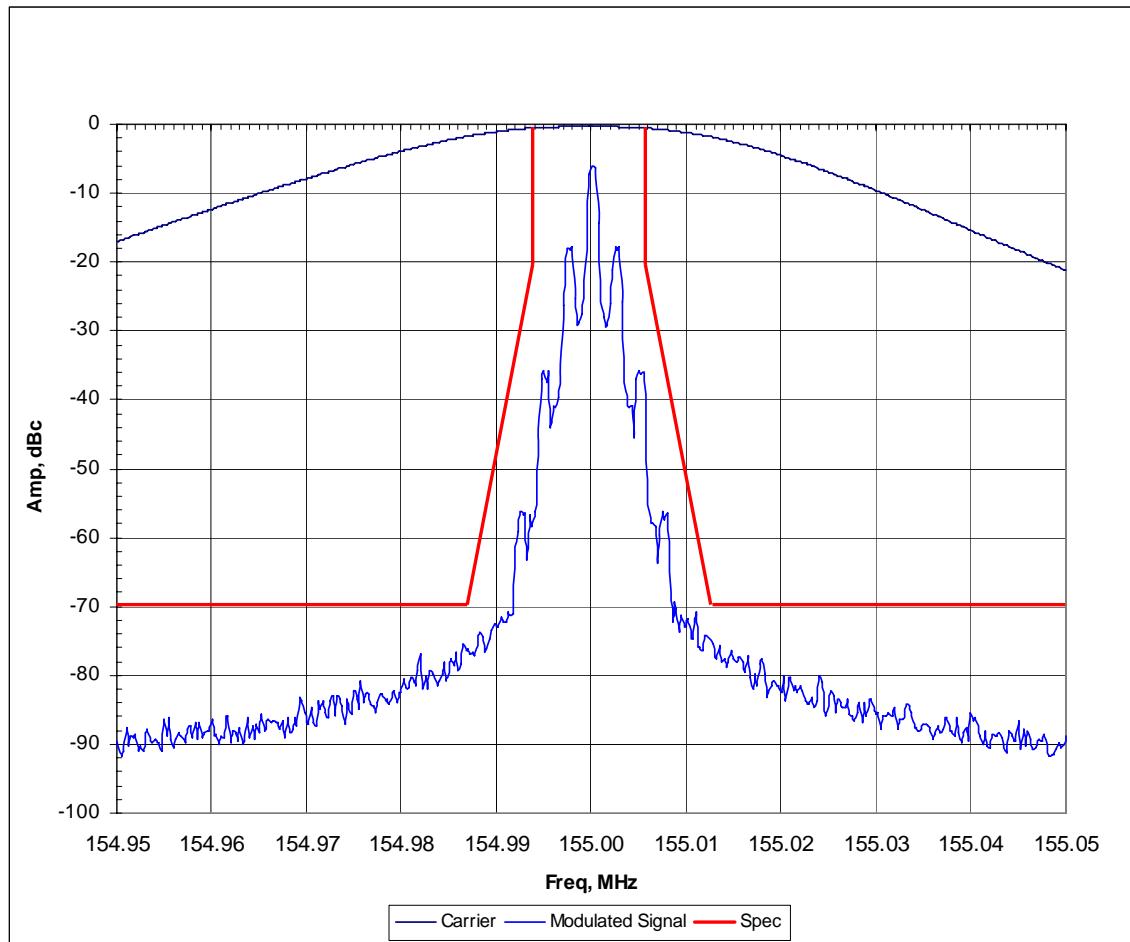
CENTER FREQUENCY: 155.0 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 KHz
SPAN: 100 kHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB
ATTENUATION: 30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, 2000/3000 Hz FSK, CARRIER SQUELCH
EMISSION MASK: D**



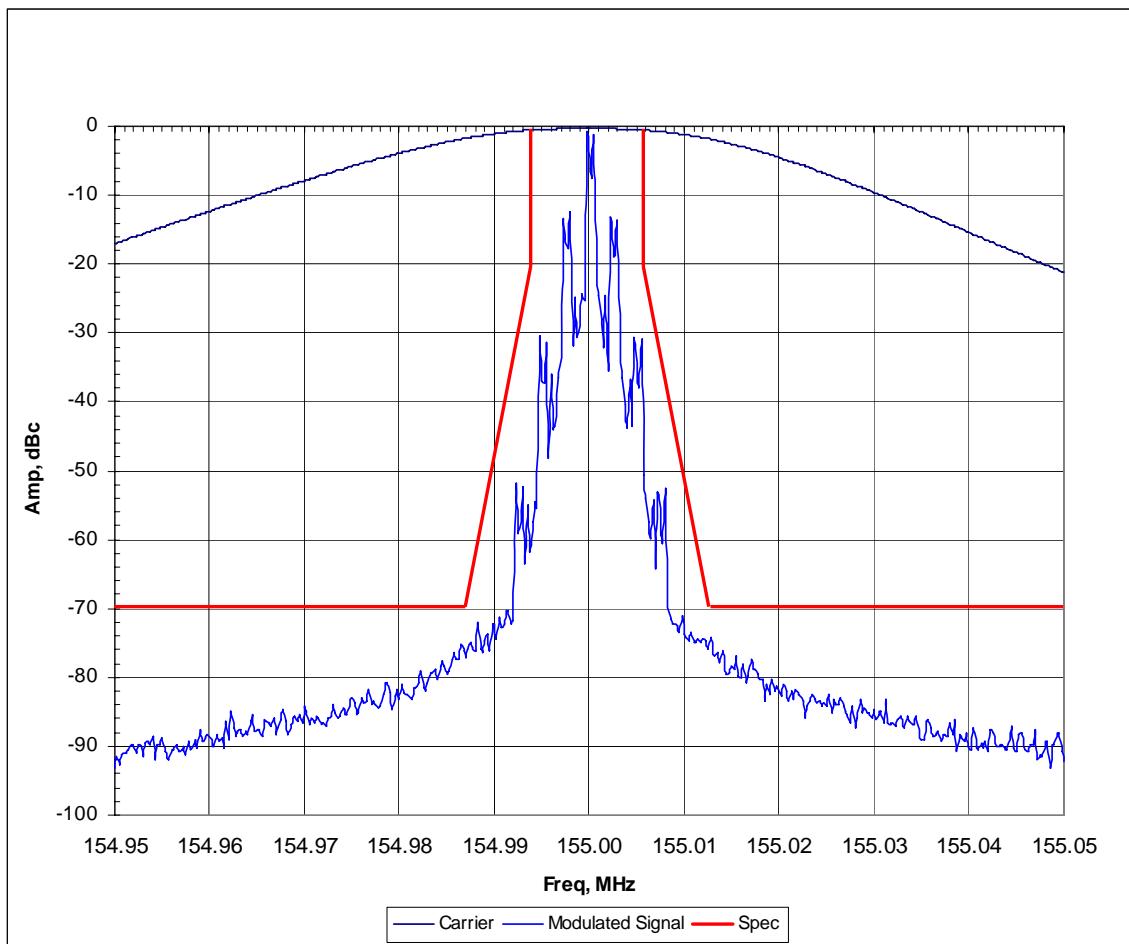
CENTER FREQUENCY: 155.0 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 KHz
SPAN: 100 kHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB
ATTENUATION: 30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, 2000/3000 Hz FSK, TPL 250.3 Hz
EMISSION MASK: D**



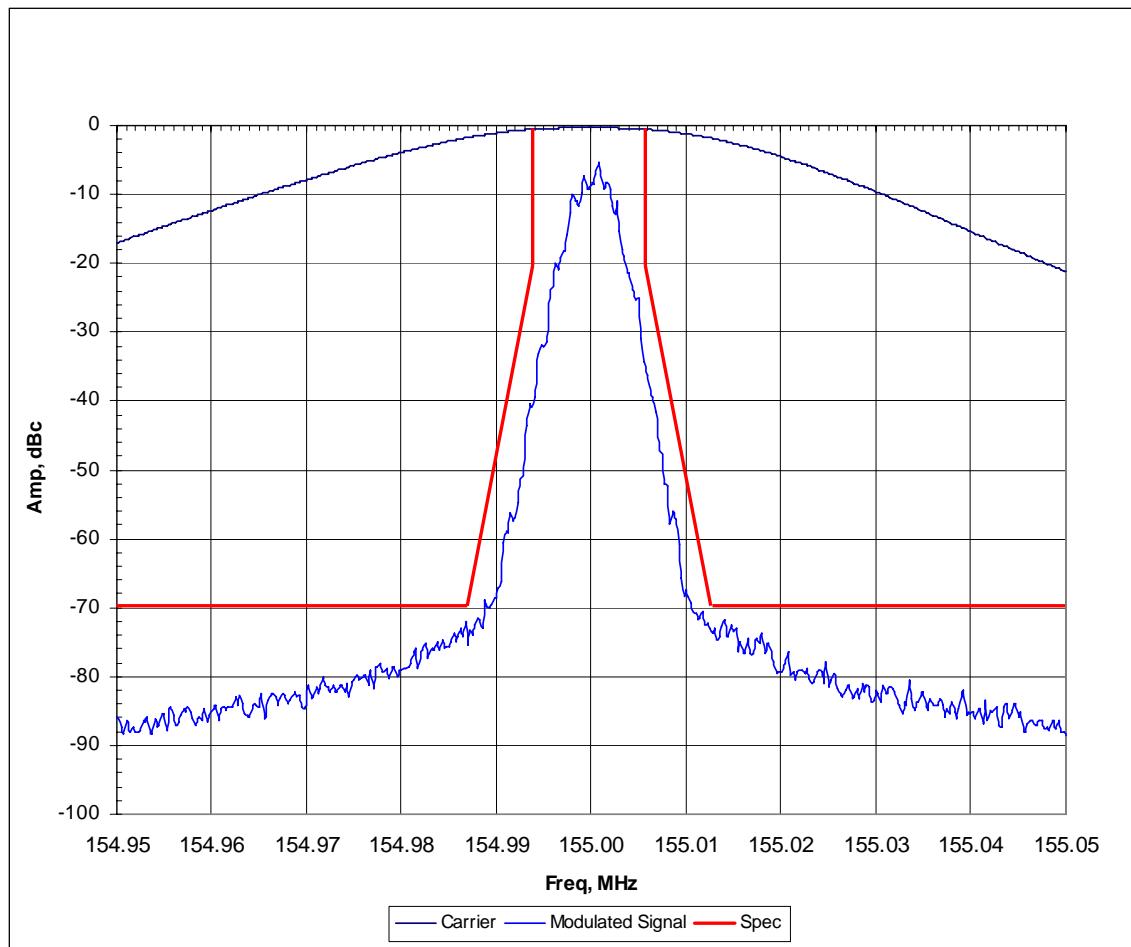
CENTER FREQUENCY: 155.0 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 KHz
SPAN: 100 kHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB
ATTENUATION: 30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, 2000/3000 Hz FSK, DPL 131
EMISSION MASK: D**



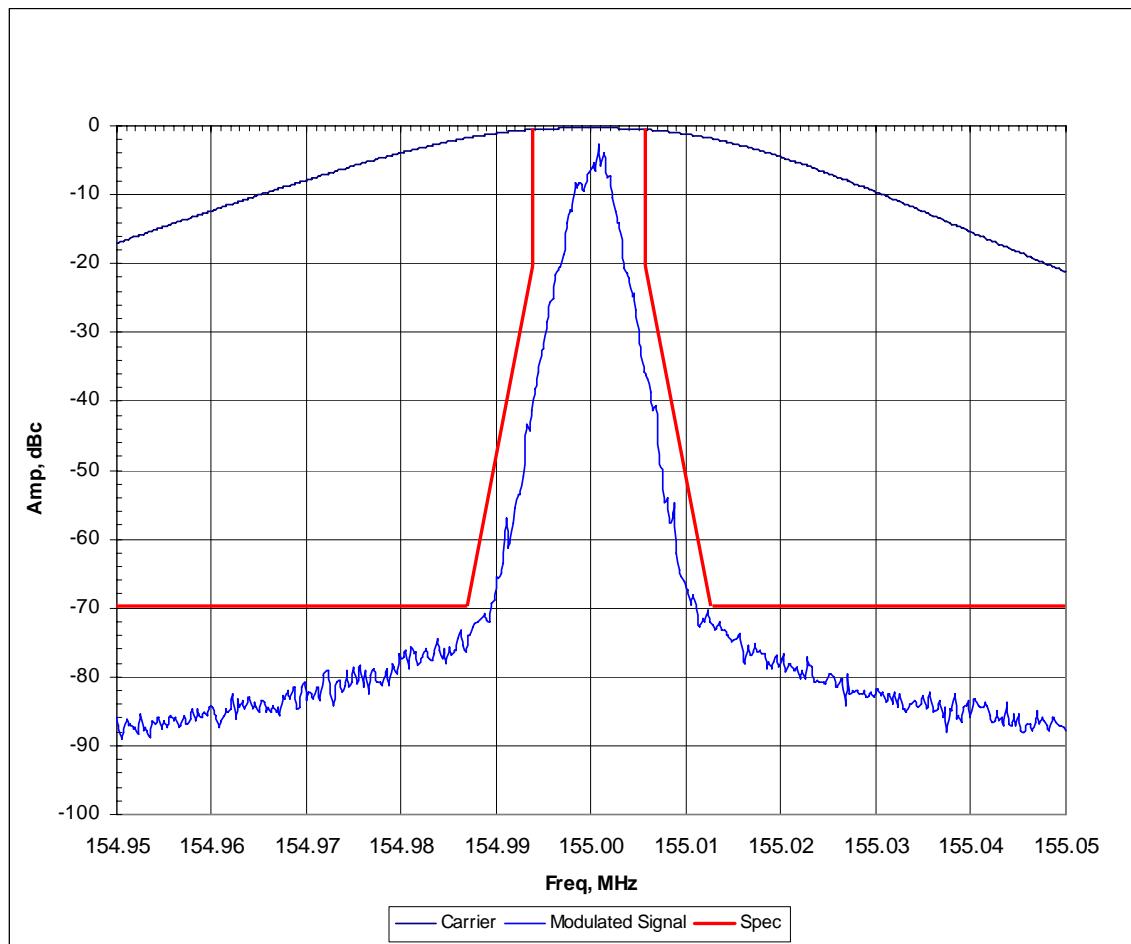
CENTER FREQUENCY: 155.0 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 KHz
SPAN: 100 kHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB
ATTENUATION: 30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, O.153 Test Pattern 4FSK, Data Modulation (7K60FXD)
EMISSION MASK: D**



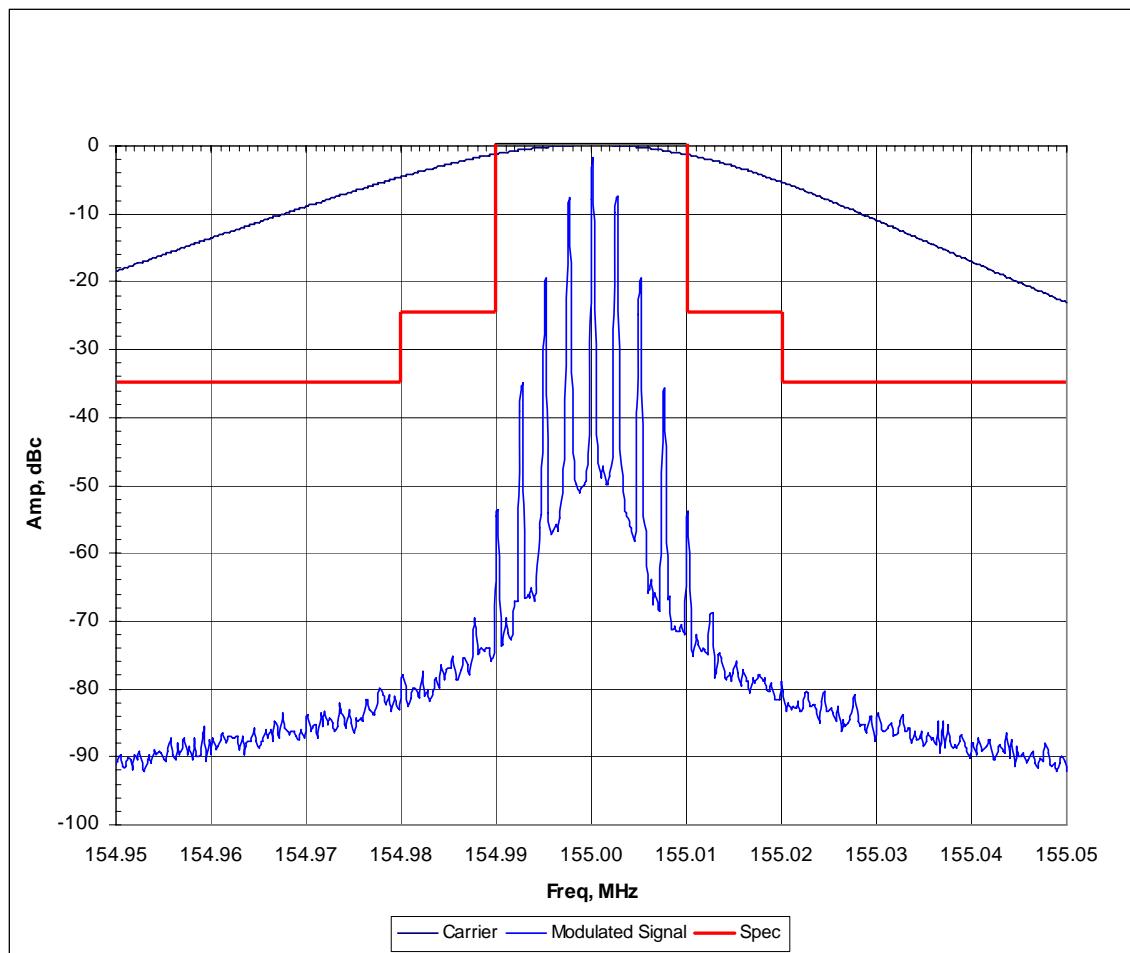
CENTER FREQUENCY: 155.0 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 KHz
SPAN: 100 kHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 200 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB
ATTENUATION: 30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, 0.153 Test Pattern 4FSK, Voice and Data Modulation
(7K60FXE)
EMISSION MASK: D**



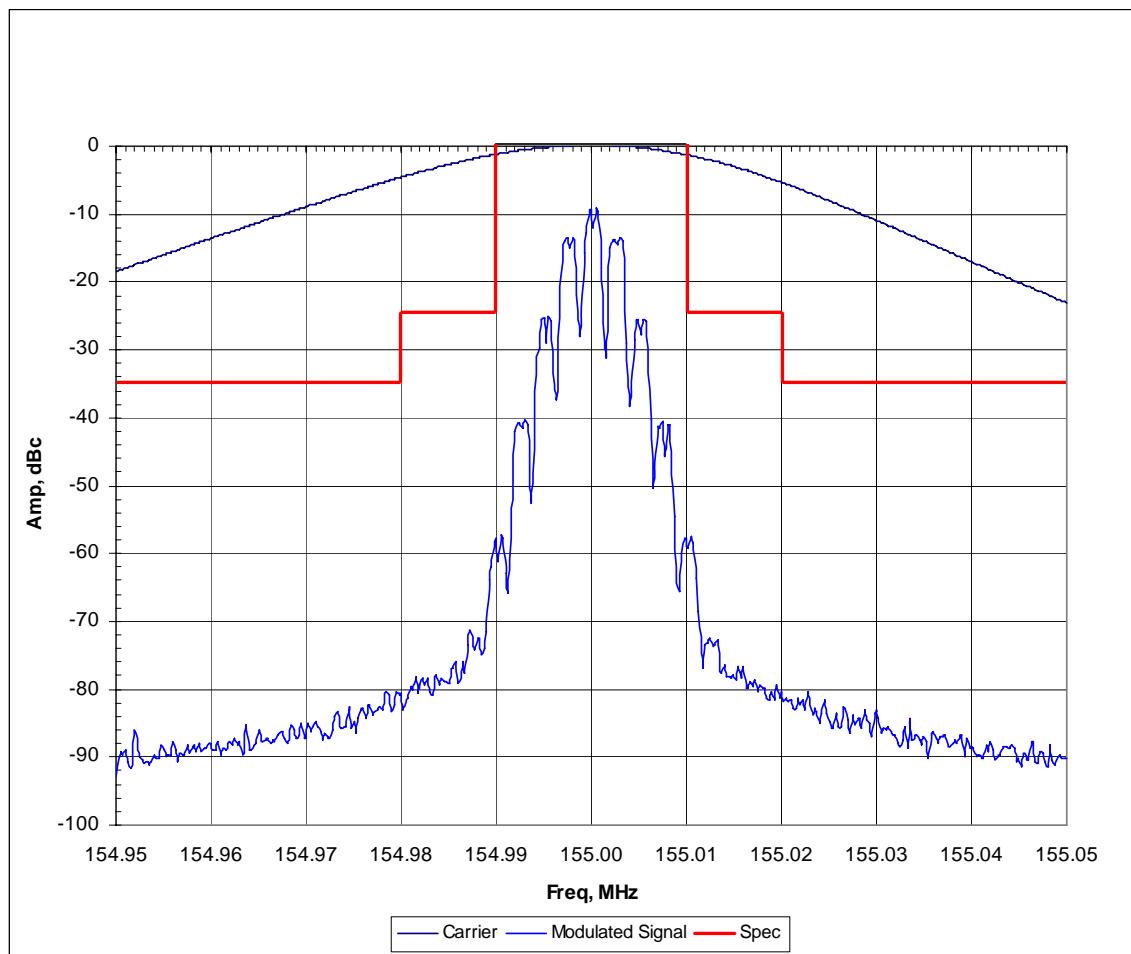
CENTER FREQUENCY:	155.0 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 KHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	200 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB
ATTENUATION:	30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
25 kHz CHANNEL SPACING, 2500 Hz TONE, CARRIER SQUELCH
EMISSION MASK: B**



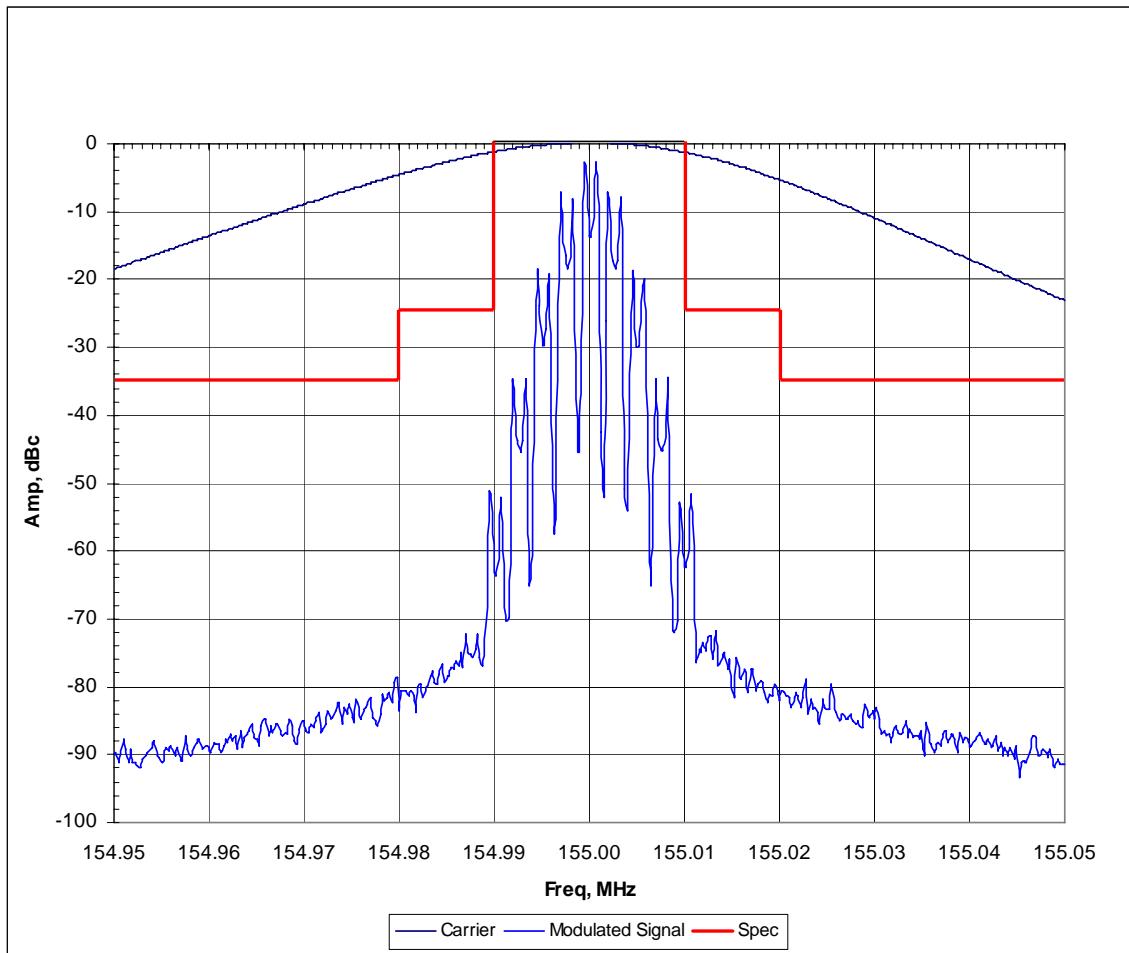
CENTER FREQUENCY:	155.0 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 KHz
SPAN:	100 KHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB
ATTENUATION:	30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
25 kHz CHANNEL SPACING, 2500 Hz TONE, TPL 250.3 Hz
EMISSION MASK: B**



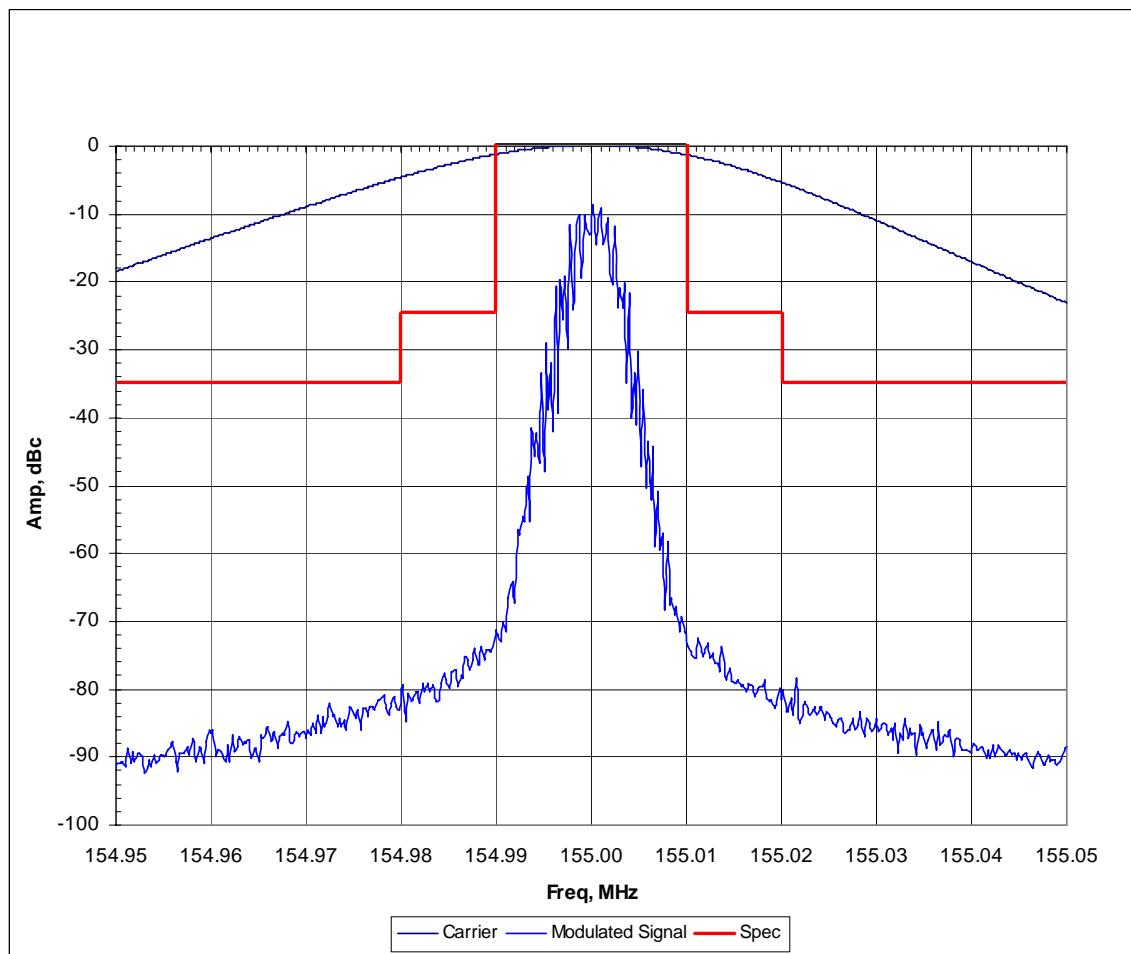
CENTER FREQUENCY: 155.0 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 KHz
SPAN: 100 KHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB
ATTENUATION: 30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
25 kHz CHANNEL SPACING, 2500 Hz TONE, DPL 131
EMISSION MASK: B**



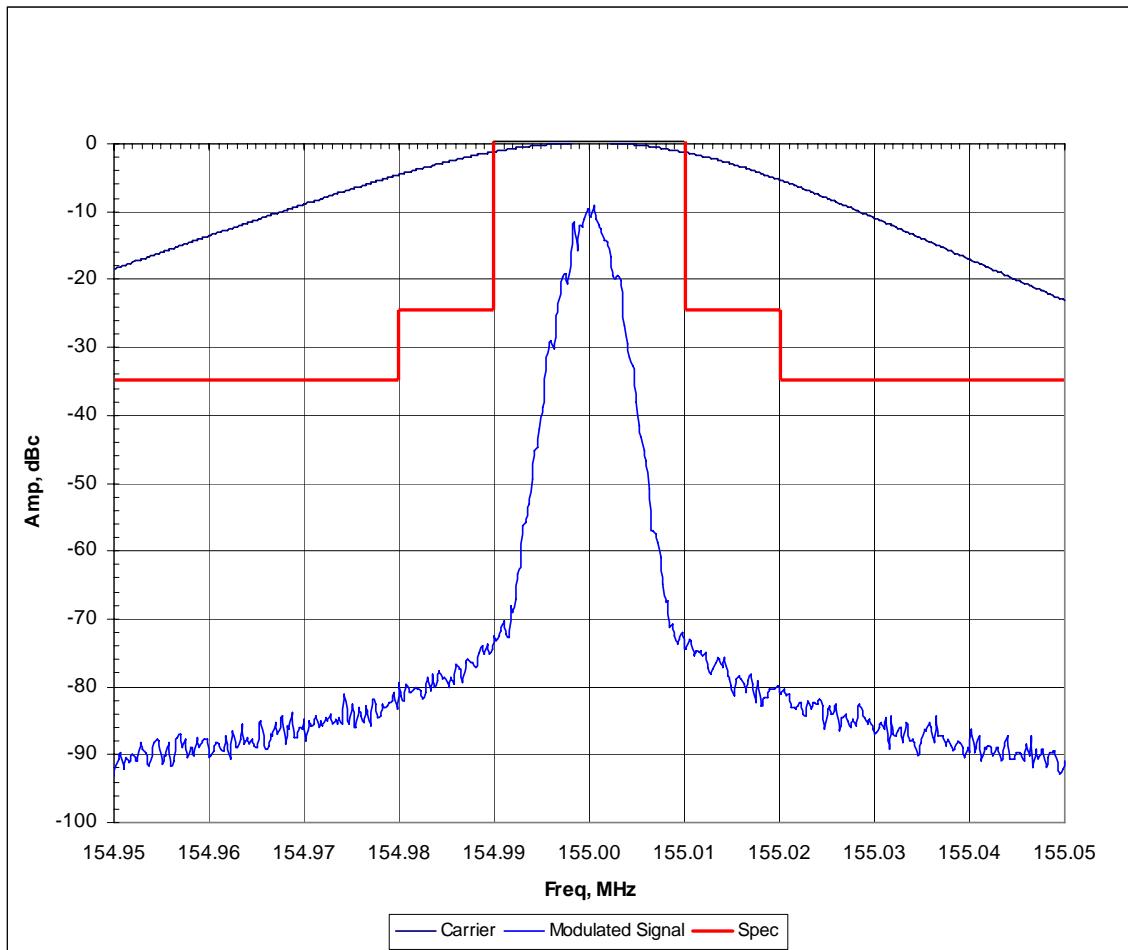
CENTER FREQUENCY:	155.0 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 KHz
SPAN:	100 KHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB
ATTENUATION:	30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
25 kHz CHANNEL SPACING, DTMF MODULATION, CARRIER SQUELCH
EMISSION MASK: B**



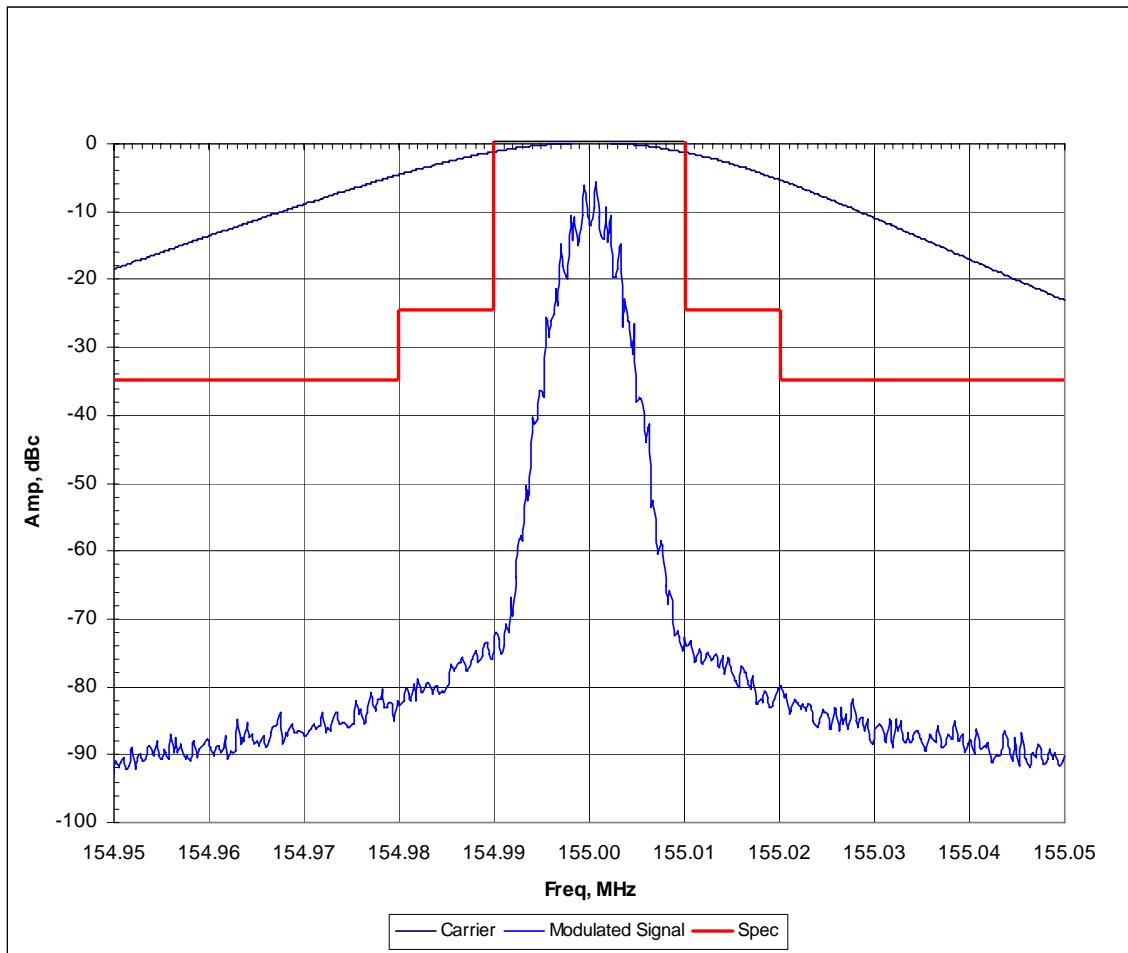
CENTER FREQUENCY: 155.0 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 KHz
SPAN: 100 KHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB
ATTENUATION: 30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
25 kHz CHANNEL SPACING, DTMF MODULATION, TPL 250.3 Hz
EMISSION MASK: B**



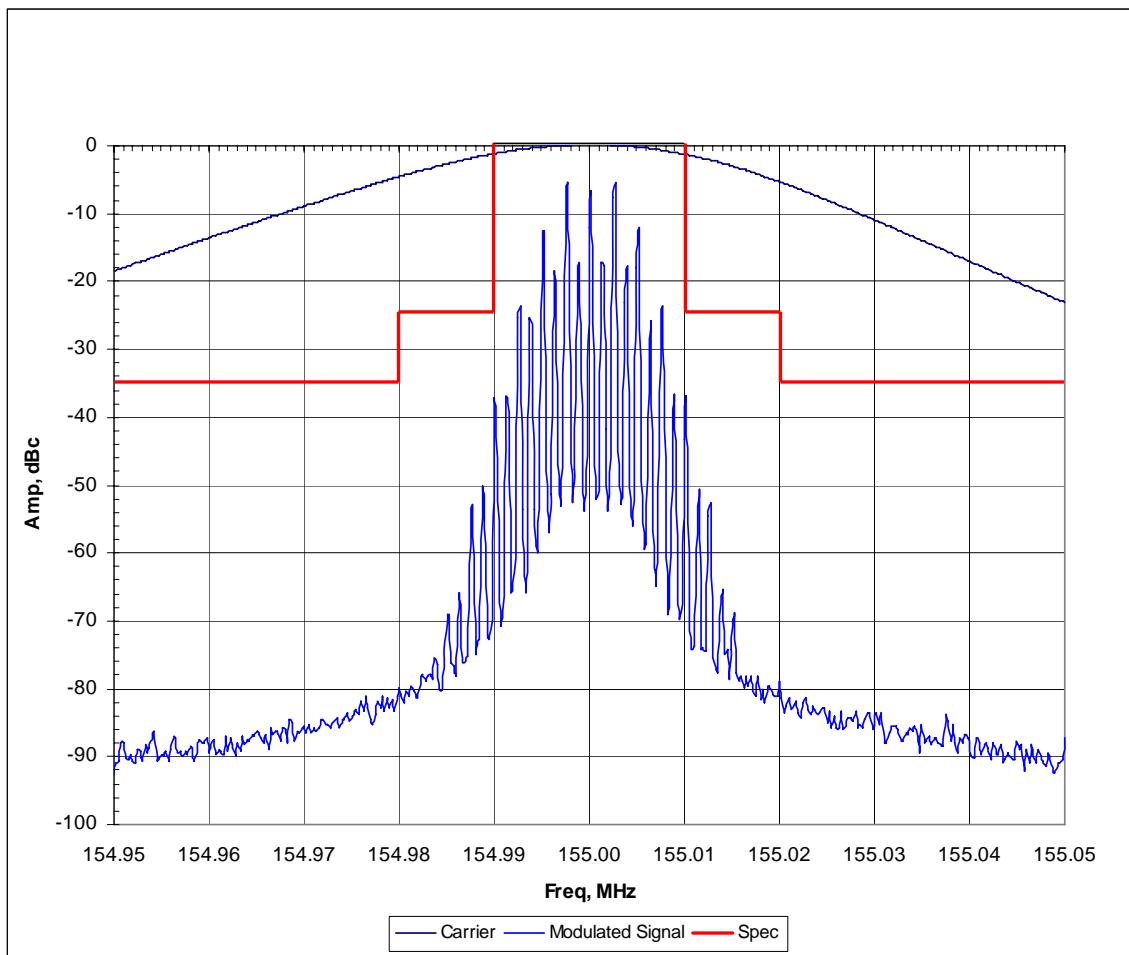
CENTER FREQUENCY: 155.0 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 KHz
SPAN: 100 KHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB
ATTENUATION: 30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
25 kHz CHANNEL SPACING, DTMF MODULATION, DPL 131
EMISSION MASK: B**



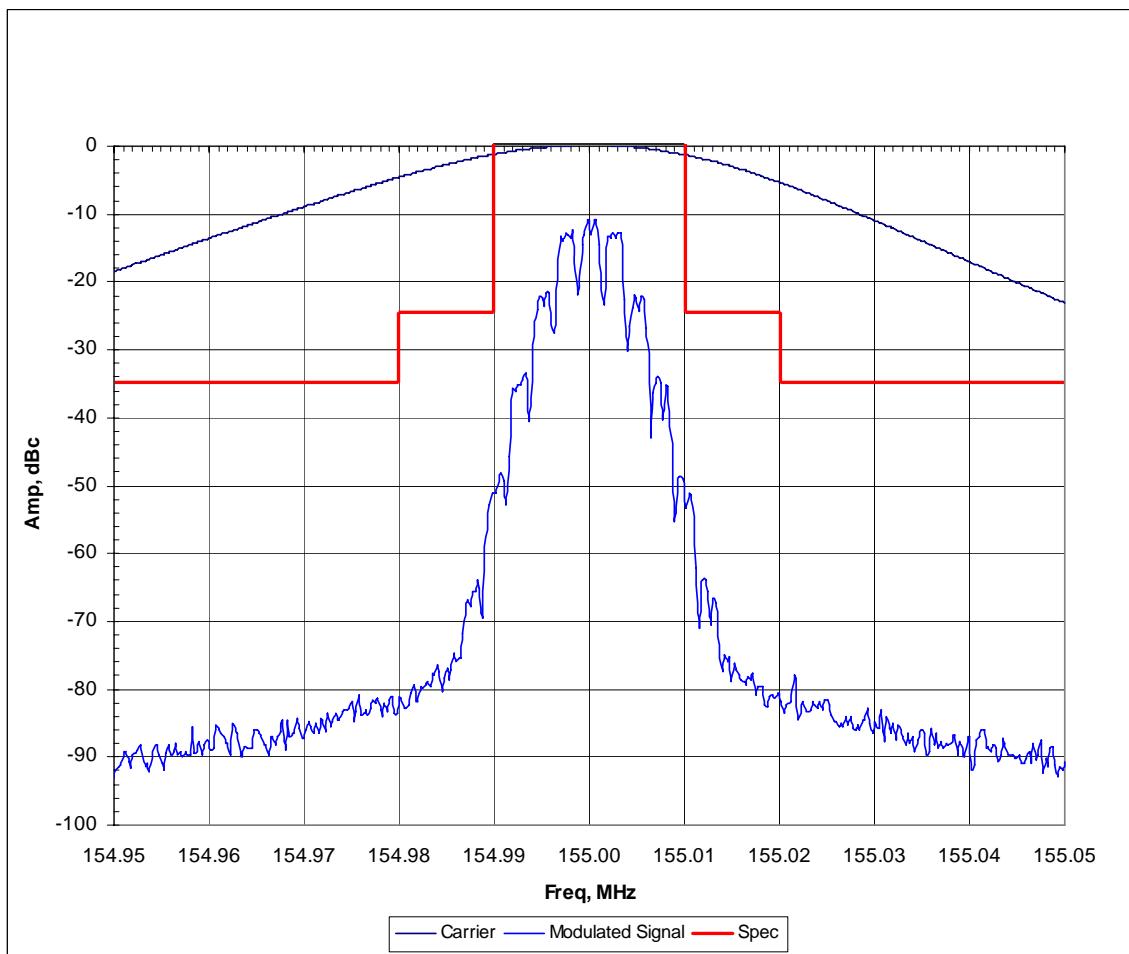
CENTER FREQUENCY: 155.0 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 KHz
SPAN: 100 kHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB
ATTENUATION: 30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
25 kHz CHANNEL SPACING, 2000/3000 Hz FSK, CARRIER SQUELCH
EMISSION MASK: B**



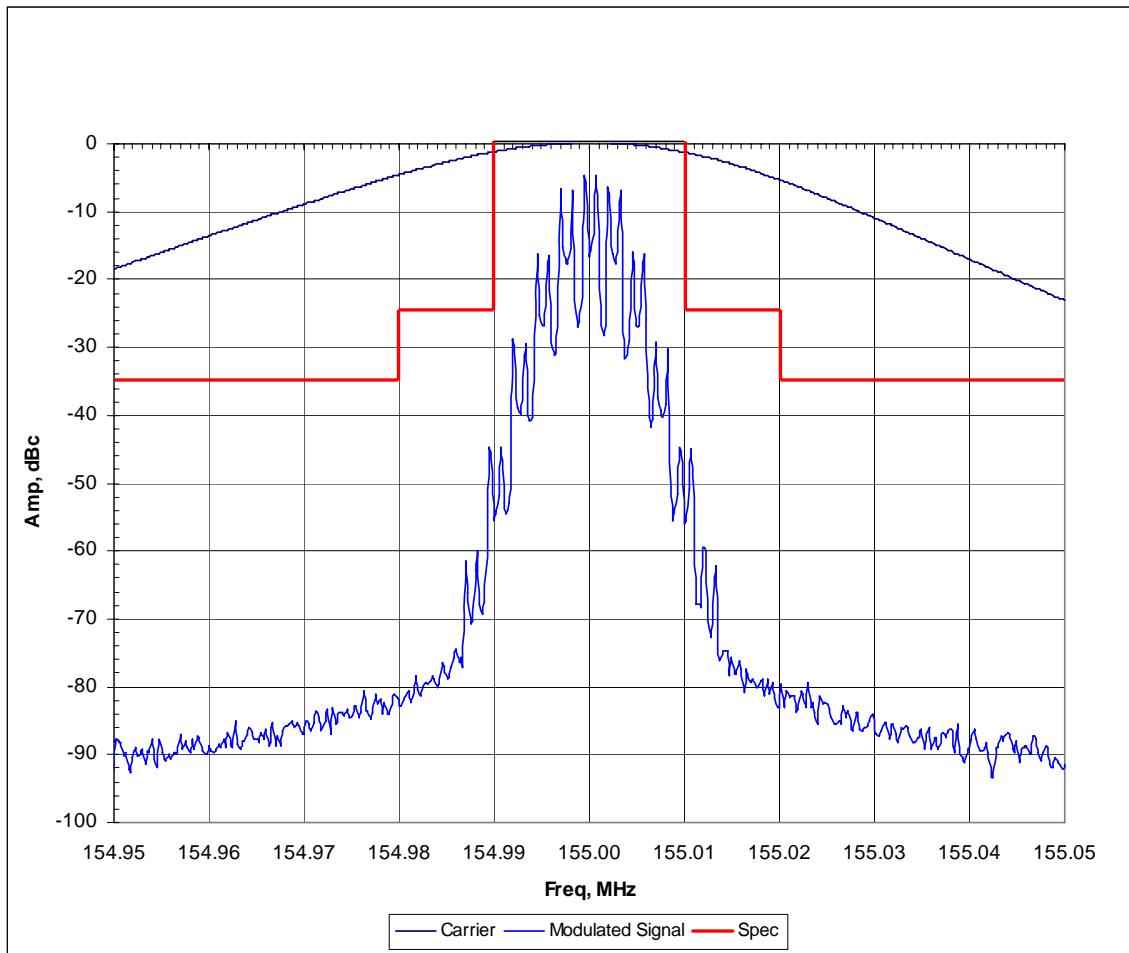
CENTER FREQUENCY:	155.0 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 KHz
SPAN:	100 KHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB
ATTENUATION:	30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
25 kHz CHANNEL SPACING, 2000/3000 Hz FSK, TPL 250.3 Hz
EMISSION MASK: B**



CENTER FREQUENCY: 155.0 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 KHz
SPAN: 100 KHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB
ATTENUATION: 30 dB

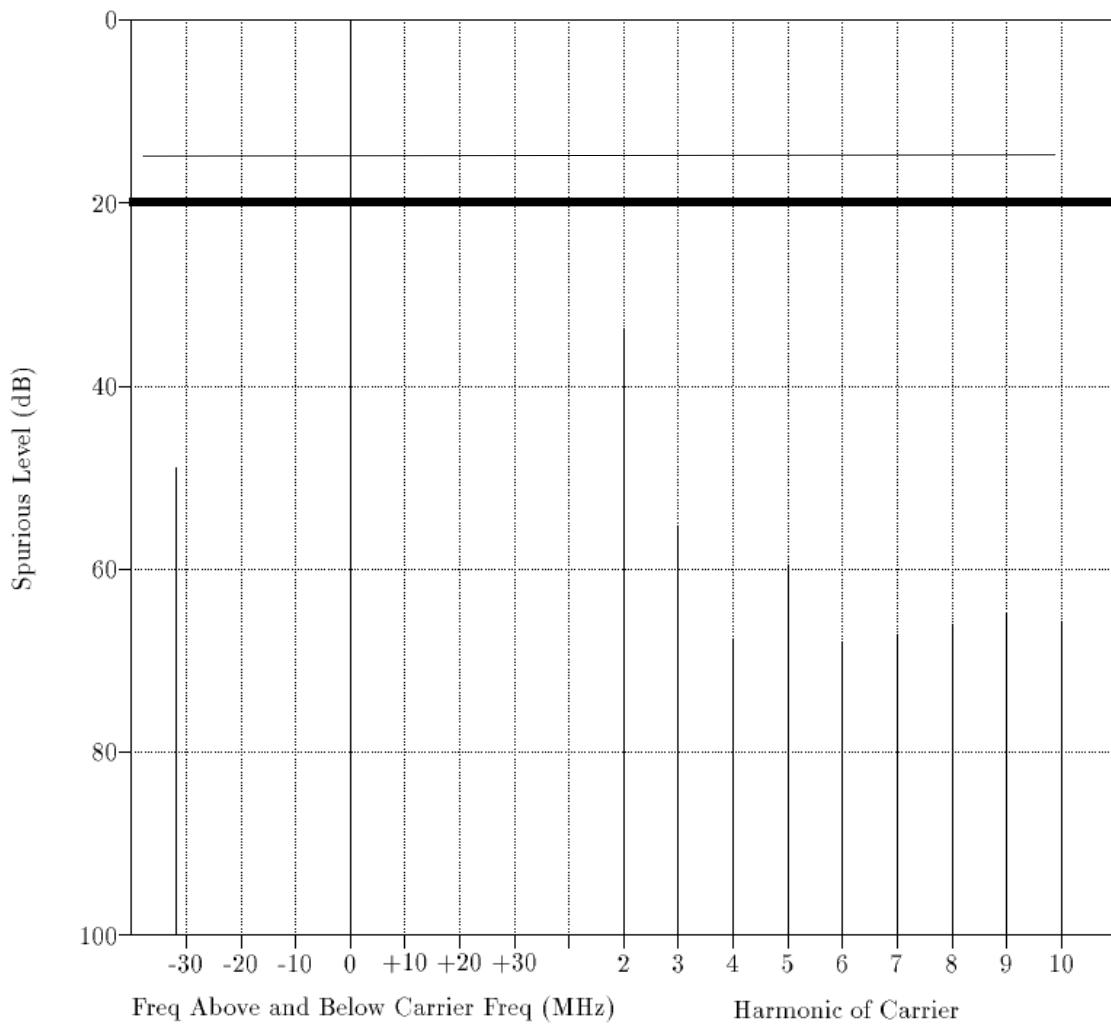
**OCCUPIED BANDWIDTH MEASUREMENT FOR
25 kHz CHANNEL SPACING, 2000/3000 Hz FSK, DPL 131
EMISSION MASK: B**



CENTER FREQUENCY: 155.0 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 KHz
SPAN: 100 KHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB
ATTENUATION: 30 dB

**CONDUCTED SPURIOUS EMISSIONS
HIGH POWER, 136.000 MHz**

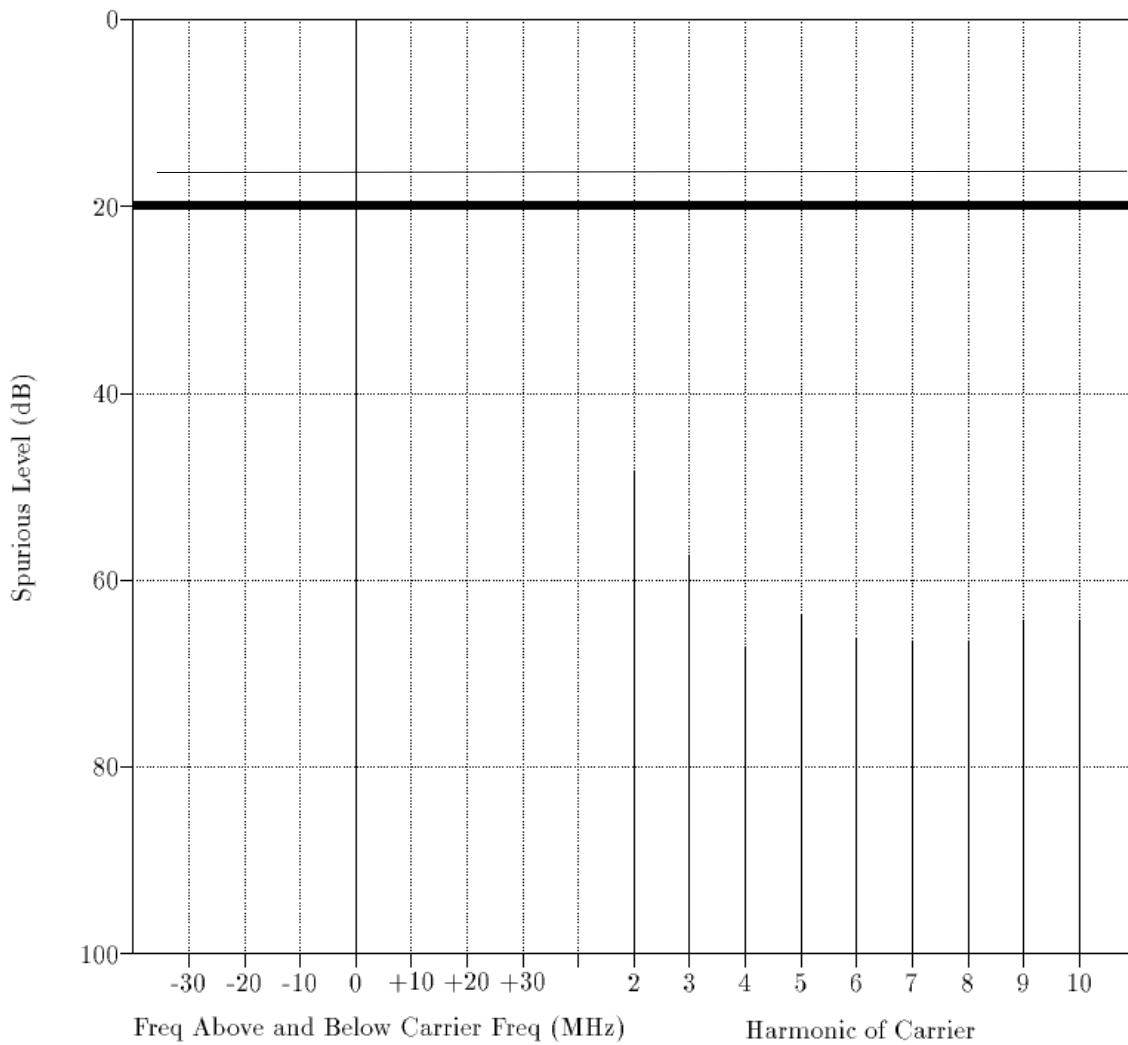
Transmitter Type: See Above
Power Output: 54.00W at 136.0000MHz



The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -16 dBm.
All non-harmonic emissions are at or below the noise floor.

**CONDUCTED SPURIOUS EMISSIONS
HIGH POWER, 155.000 MHz**

Transmitter Type: See Above
Power Output: 54.00W at 155.0000MHz



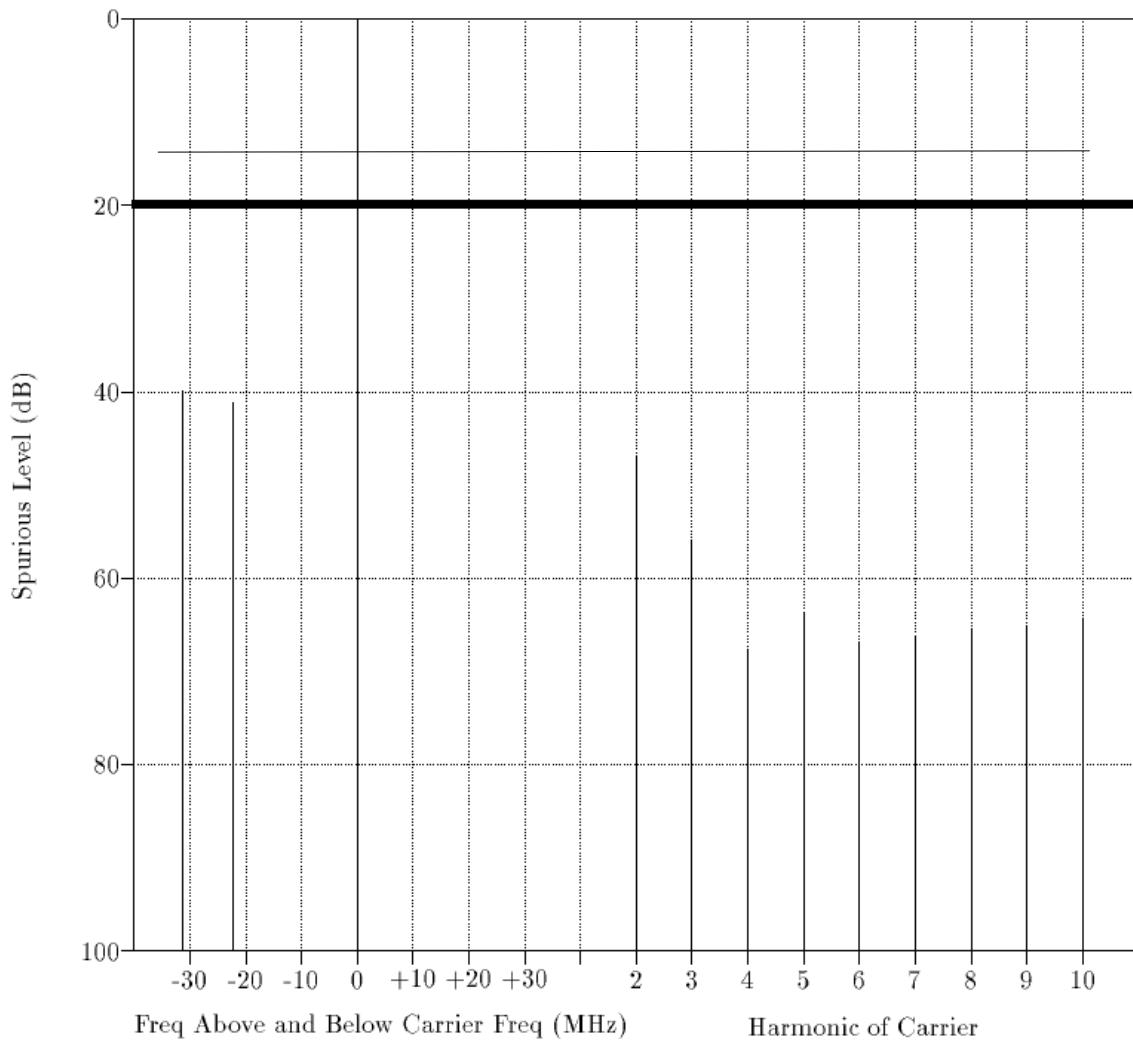
The conducted spurious level is plotted in dBm on the vertical axis.

The specification for conducted spurious emissions is -16 dBm.

All non-harmonic emissions are at or below the noise floor.

**CONDUCTED SPURIOUS EMISSIONS
HIGH POWER, 174.000 MHz**

Transmitter Type: See Above
Power Output: 54.00W at 174.0000MHz



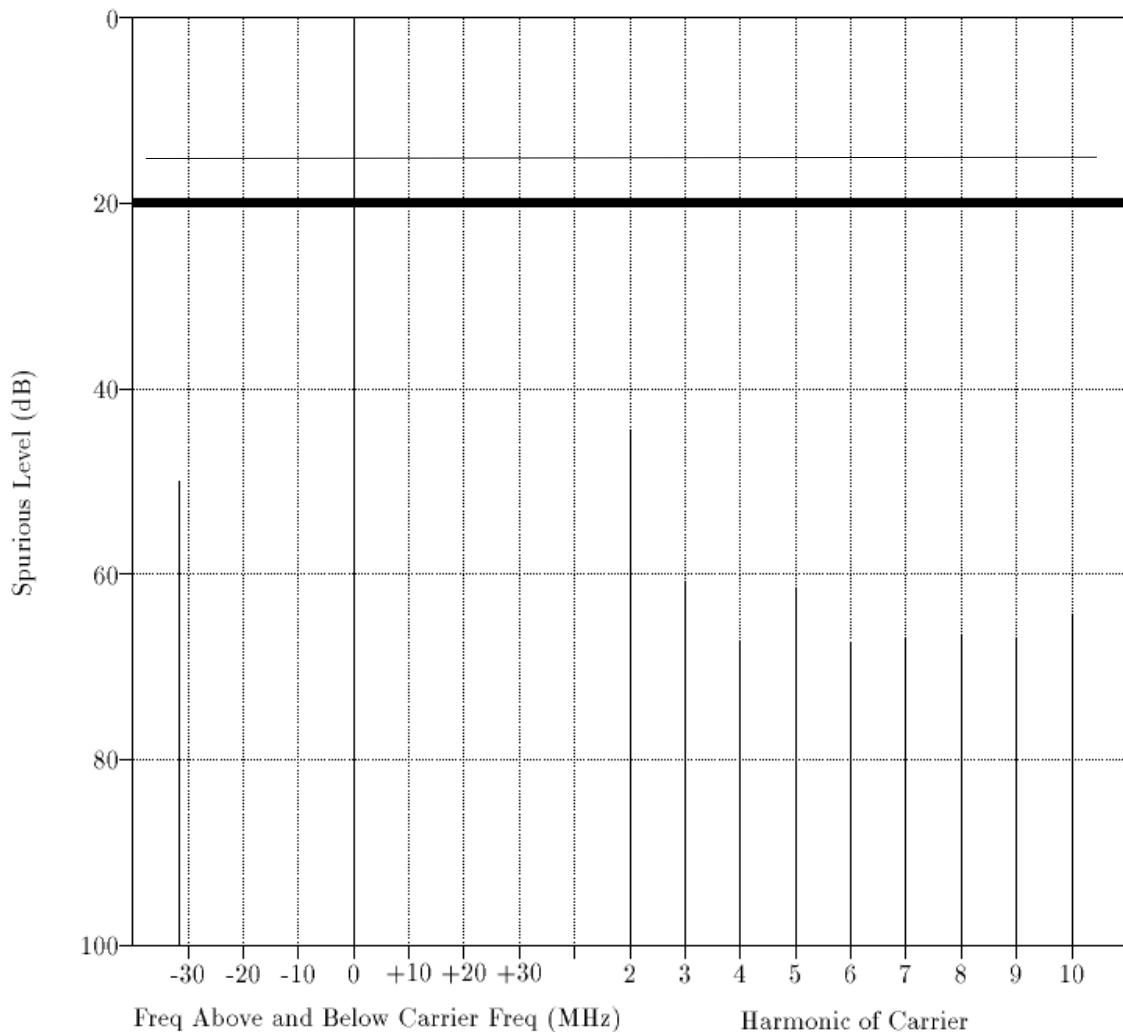
The conducted spurious level is plotted in dBm on the vertical axis.

The specification for conducted spurious emissions is -16 dBm.

All non-harmonic emissions are at or below the noise floor.

**CONDUCTED SPURIOUS EMISSIONS
LOW POWER, 136.000 MHz**

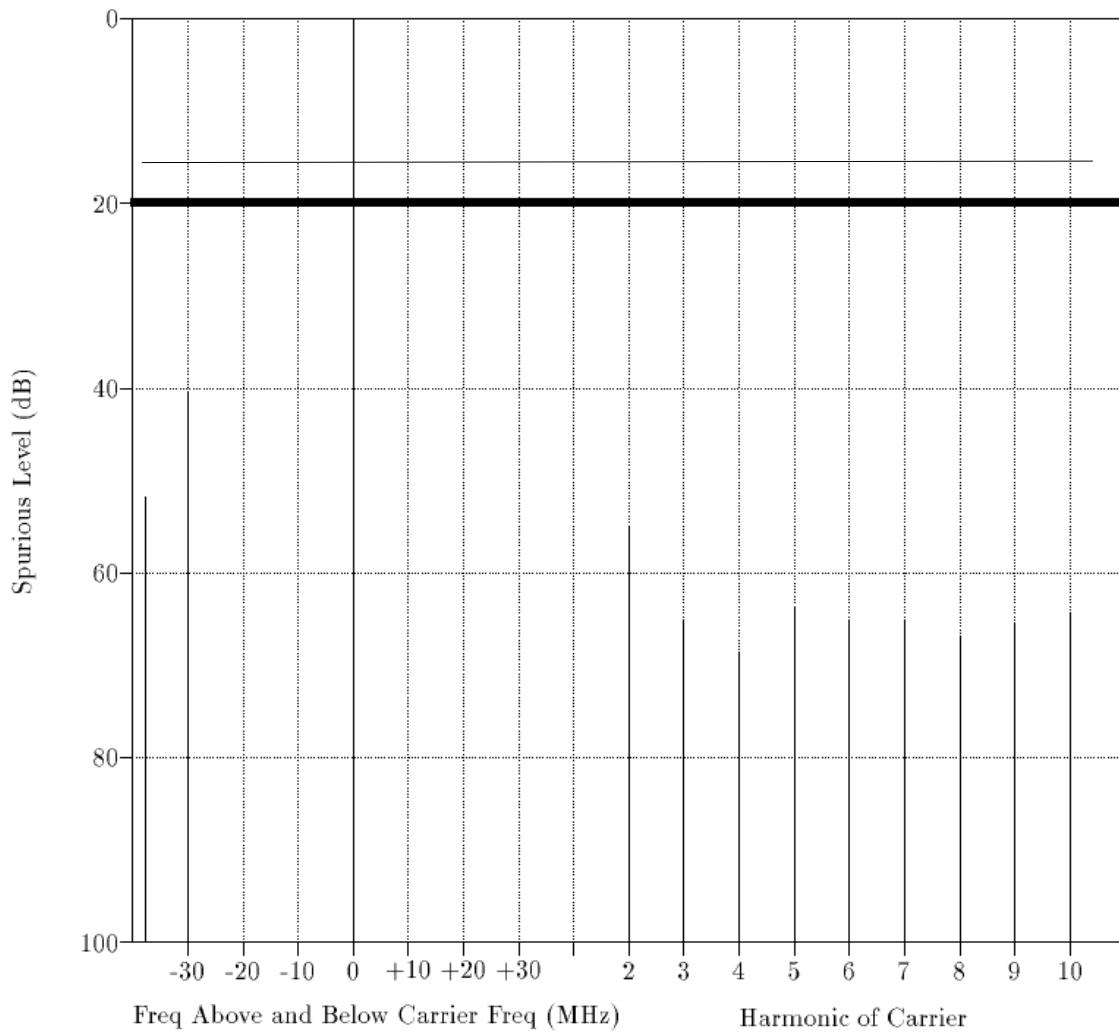
Transmitter Type: See Above
Power Output: 25.00W at 136.0000MHz



The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -16 dBm.
All non-harmonic emissions are at or below the noise floor.

**CONDUCTED SPURIOUS EMISSIONS
LOW POWER, 155.000 MHz**

Transmitter Type: See Above
Power Output: 25.00W at 155.0000MHz



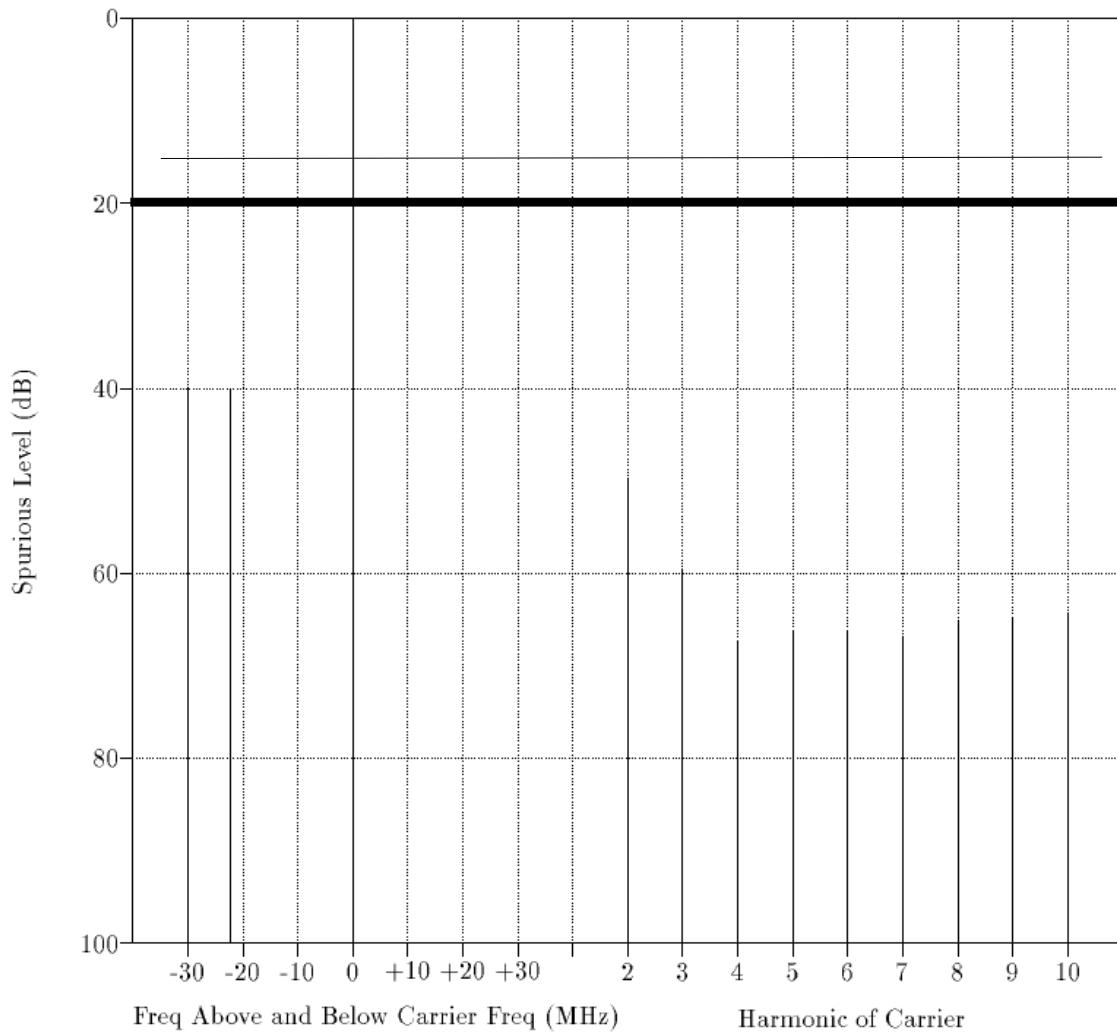
The conducted spurious level is plotted in dBm on the vertical axis.

The specification for conducted spurious emissions is -16 dBm.

All non-harmonic emissions are at or below the noise floor.

**CONDUCTED SPURIOUS EMISSIONS
LOW POWER, 174.000 MHz**

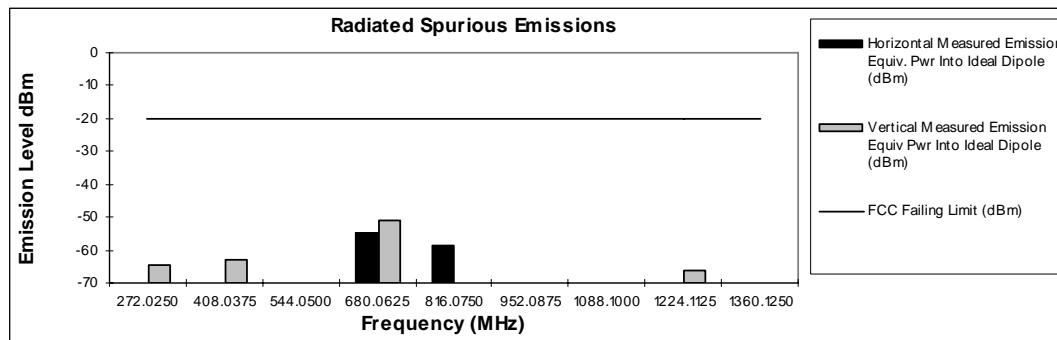
Transmitter Type: See Above
Power Output: 25.00W at 174.0000MHz



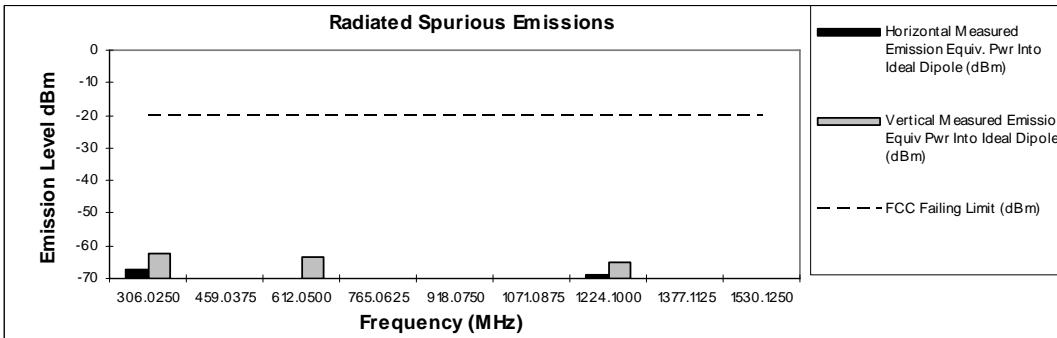
The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -16 dBm.
All non-harmonic emissions are at or below the noise floor.

MOTOROLA INC.**FCC ID: ABZ99FT3082****Motorola Inc.****FCC ID:ABZ99FT3082****Transmit Radiated Spurious Emissions: XPR 4550****Tx Power: 54 Watts****136.0125 MHz****Channel Spacing 12.5kHz | S/N 038THA0279**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
272.0250	-20	-75.44	-64.83
408.0375	-20	-75.09	-62.78
544.0500	-20	*	*
680.0625	-20	-54.81	-51.13
816.0750	-20	-58.73	*
952.0875	-20	-73.14	*
1088.1000	-20	*	*
1224.1125	-20	*	-66.27
1360.1250	-20	*	*

**Transmit Radiated Spurious Emissions: XPR 4550****Tx Power: 54 Watts****153.0125 MHz****Channel Spacing 12.5kHz | S/N 038THA0279**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
306.0250	-20	-67.26	-62.52
459.0375	-20	-73.04	*
612.0500	-20	-70.46	-63.70
765.0625	-20	*	*
918.0750	-20	*	*
1071.0875	-20	*	*
1224.1000	-20	-68.95	-65.24
1377.1125	-20	*	*
1530.1250	-20	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

MOTOROLA INC.

FCC ID: ABZ99FT3082

EXHIBIT 6G-1 & EXHIBIT 6G-2

Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan
FCC Registration: 91932 / Industry Canada: IC3679
Motorola Inc.

February 2, 2007

FCC ID:ABZ99FT3082

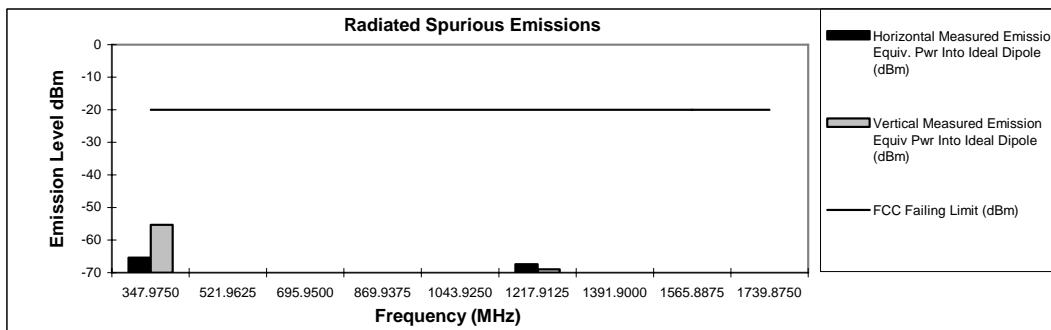
Transmit Radiated Spurious Emissions: XPR 4550

Tx Power: 54 Watts

173.9875 MHz

Channel Spacing 12.5kHz | S/N 038THA0279

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)
347.9750	-20	-65.45	-55.34
521.9625	-20	*	*
695.9500	-20	*	*
869.9375	-20	*	*
1043.9250	-20	*	*
1217.9125	-20	-67.46	-69.03
1391.9000	-20	*	*
1565.8875	-20	*	*
1739.8750	-20	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

EXHIBIT 6G-3

MOTOROLA INC.

FCC ID: ABZ99FT3082

MOTOROLA INC.

FCC ID: ABZ99FT3082

Motorola Inc.

FCC ID: ABZ99FT3082

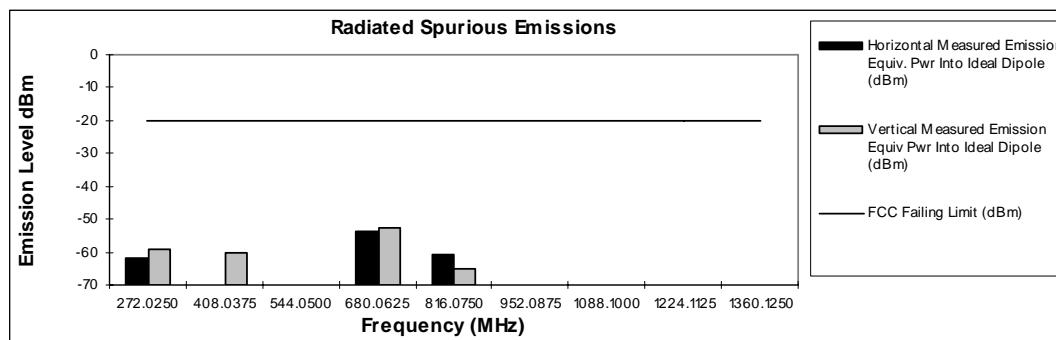
Transmit Radiated Spurious Emissions: XPR 4550

Tx Power: 25 Watts

136.0125 MHz

Channel Spacing 12.5kHz | S/N 038THA0279

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
272.0250	-20	-61.81	-59.30
408.0375	-20	-72.77	-60.44
544.0500	-20	*	*
680.0625	-20	-53.52	-52.88
816.0750	-20	-60.58	-64.88
952.0875	-20	*	*
1088.1000	-20	*	*
1224.1125	-20	*	*
1360.1250	-20	*	*



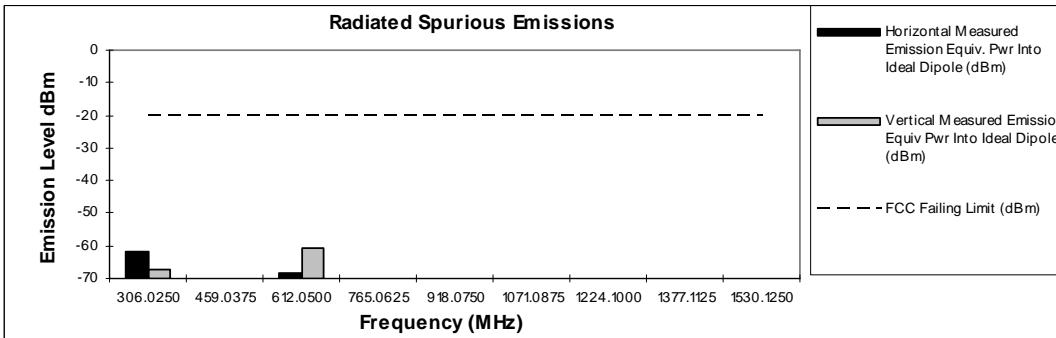
Transmit Radiated Spurious Emissions: XPR 4550

Tx Power: 25 Watts

153.0125 MHz

Channel Spacing 12.5kHz | S/N 038THA0279

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
306.0250	-20	-61.98	-67.34
459.0375	-20	*	*
612.0500	-20	-68.33	-60.51
765.0625	-20	*	*
918.0750	-20	*	*
1071.0875	-20	*	*
1224.1000	-20	*	*
1377.1125	-20	*	*
1530.1250	-20	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

MOTOROLA INC.

FCC ID: ABZ99FT3082

EXHIBIT 6G-4 & EXHIBIT 6G-5

Motorola Inc.

FCC ID:ABZ99FT3082

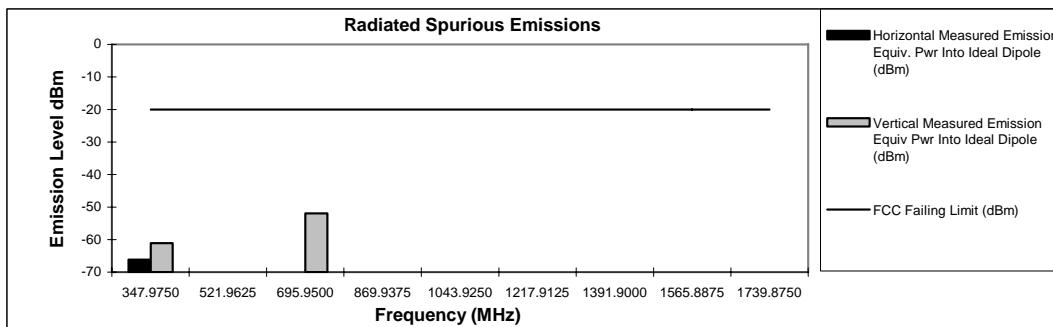
Transmit Radiated Spurious Emissions: XPR 4550

Tx Power: 25 Watts

173.9875 MHz

Channel Spacing 12.5kHz | S/N 038THA0279

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)
347.9750	-20	-66.18	-61.10
521.9625	-20	*	*
695.9500	-20	*	-51.94
869.9375	-20	*	*
1043.9250	-20	*	*
1217.9125	-20	*	*
1391.9000	-20	*	*
1565.8875	-20	*	*
1739.8750	-20	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan
FCC Registration: 91932 / Industry Canada: IC3679

February 5, 2007

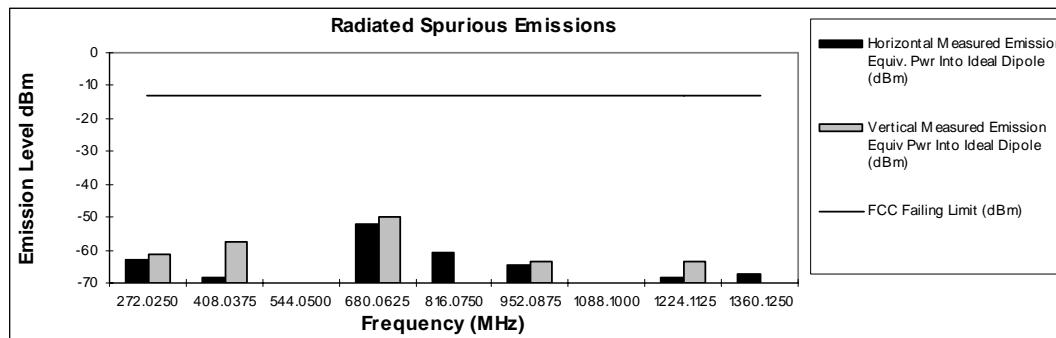
EXHIBIT 6G-6

MOTOROLA INC.

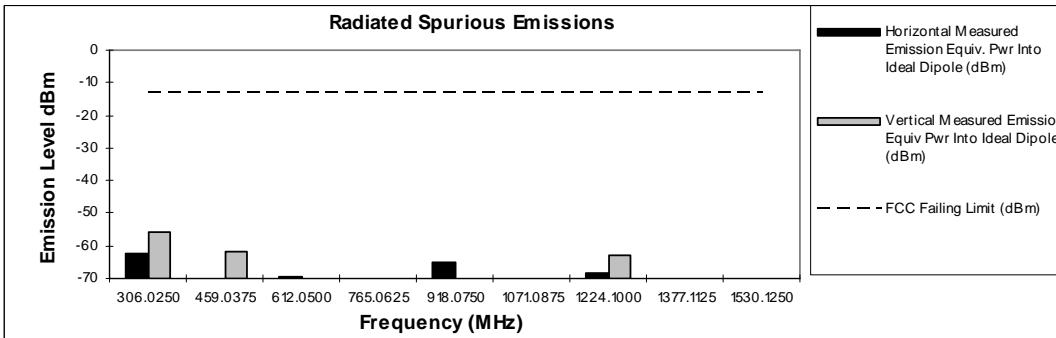
FCC ID: ABZ99FT3082

MOTOROLA INC.**FCC ID: ABZ99FT3082****Motorola Inc.****FCC ID: ABZ99FT3082****Transmit Radiated Spurious Emissions: XPR 4550****Tx Power: 54 Watts****136.0125 MHz****Channel Spacing 25kHz | S/N 038THA0279**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
272.0250	-13	-63.20	-61.23
408.0375	-13	-68.58	-57.35
544.0500	-13	*	*
680.0625	-13	-52.04	-49.71
816.0750	-13	-60.83	*
952.0875	-13	-64.65	-63.40
1088.1000	-13	*	*
1224.1125	-13	-68.37	-63.42
1360.1250	-13	-67.02	*

**Transmit Radiated Spurious Emissions: XPR 4550****Tx Power: 54 Watts****153.0125 MHz****Channel Spacing 25kHz | S/N 038THA0279**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
306.0250	-13	-62.57	-55.98
459.0375	-13	-71.72	-61.76
612.0500	-13	-69.32	*
765.0625	-13	*	*
918.0750	-13	-64.89	*
1071.0875	-13	*	*
1224.1000	-13	-68.53	-63.03
1377.1125	-13	*	*
1530.1250	-13	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

MOTOROLA INC.

FCC ID: ABZ99FT3082

EXHIBIT 6G-7 & EXHIBIT 6G-8

MOTOROLA INC.

FCC ID: ABZ99FT3082

Motorola Inc.

FCC ID: ABZ99FT3082

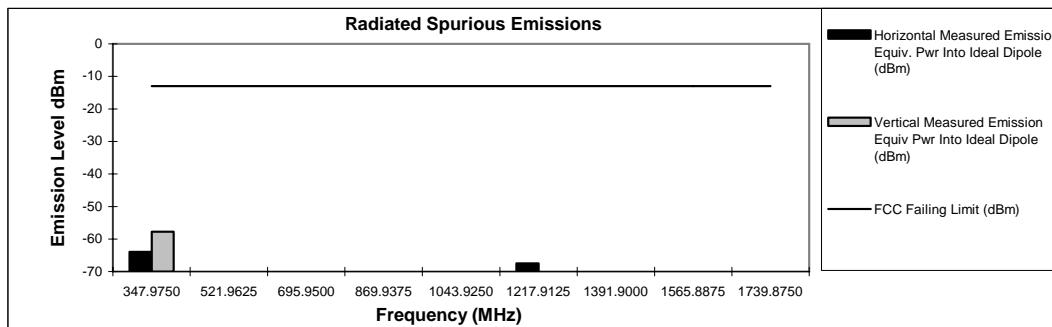
Transmit Radiated Spurious Emissions: XPR 4550

Tx Power: 54 Watts

173.9875 MHz

Channel Spacing 25kHz | S/N 038THA0279

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)
347.9750	-13	-63.91	-57.78
521.9625	-13	*	*
695.9500	-13	*	*
869.9375	-13	*	*
1043.9250	-13	*	*
1217.9125	-13	-67.53	*
1391.9000	-13	*	*
1565.8875	-13	*	*
1739.8750	-13	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan
FCC Registration: 91932 / Industry Canada: IC3679

February 5, 2007

EXHIBIT 6G-9

MOTOROLA INC.

FCC ID: ABZ99FT3082

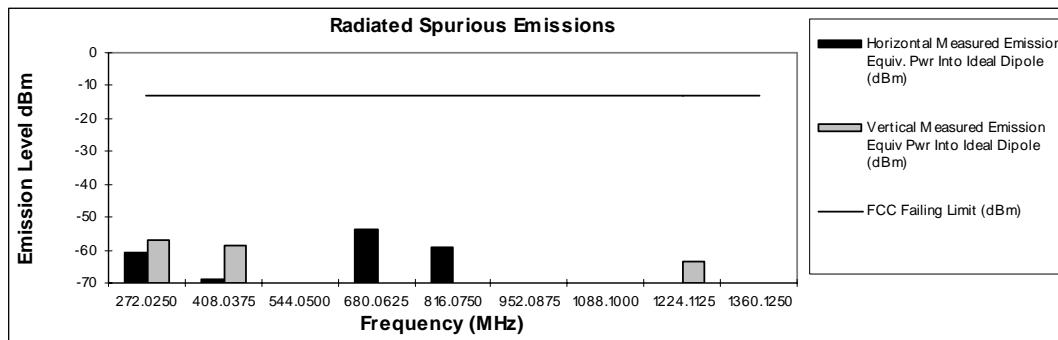
Motorola Inc.

FCC ID: ABZ99FT3082

Transmit Radiated Spurious Emissions: XPR 4550

Tx Power: 25 Watts

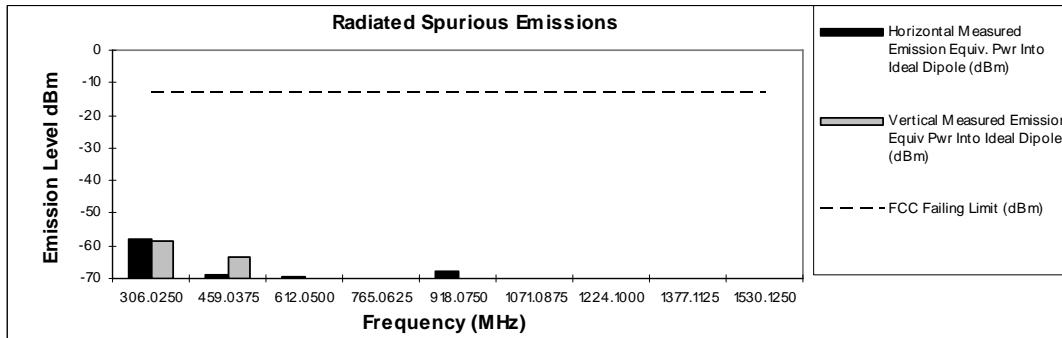
136.0125 MHz		Channel Spacing 25kHz S/N 038THA0279	
Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
272.0250	-13	-60.69	-57.00
408.0375	-13	-69.12	-58.86
544.0500	-13	*	*
680.0625	-13	-53.80	*
816.0750	-13	-59.32	*
952.0875	-13	-72.23	*
1088.1000	-13	*	*
1224.1125	-13	-69.87	-63.71
1360.1250	-13	*	*



Transmit Radiated Spurious Emissions: XPR 4550

Tx Power: 25 Watts

153.0125 MHz		Channel Spacing 25kHz S/N 038THA0279	
Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
306.0250	-13	-58.16	-58.68
459.0375	-13	-69.08	-63.51
612.0500	-13	-69.73	*
765.0625	-13	*	*
918.0750	-13	-67.73	*
1071.0875	-13	*	*
1224.1000	-13	*	*
1377.1125	-13	*	*
1530.1250	-13	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan
FCC Registration: 91932 / Industry Canada: IC3679

February 5, 2007

EXHIBIT 6G-10 & EXHIBIT 6G-11

MOTOROLA INC.

FCC ID: ABZ99FT3082

Motorola Inc.

FCC ID: ABZ99FT3082

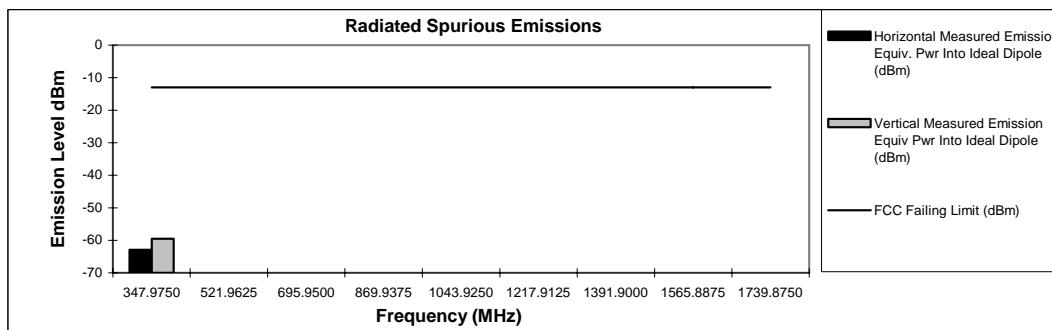
Transmit Radiated Spurious Emissions: XPR 4550

Tx Power: 25 Watts

173.9875 MHz

Channel Spacing 25kHz | S/N 038THA0279

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)
347.9750	-13	-62.91	-59.54
521.9625	-13	*	*
695.9500	-13	*	*
869.9375	-13	*	*
1043.9250	-13	*	*
1217.9125	-13	*	*
1391.9000	-13	*	*
1565.8875	-13	*	*
1739.8750	-13	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambient.

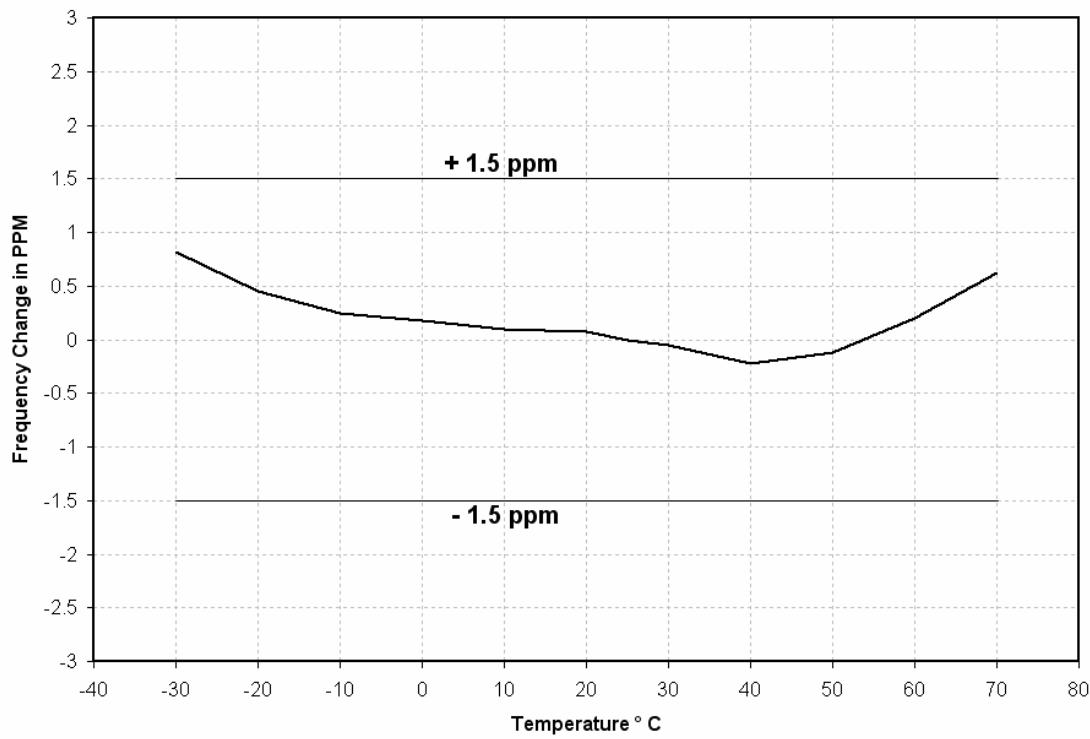
The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan
FCC Registration: 91932 / Industry Canada: IC3679

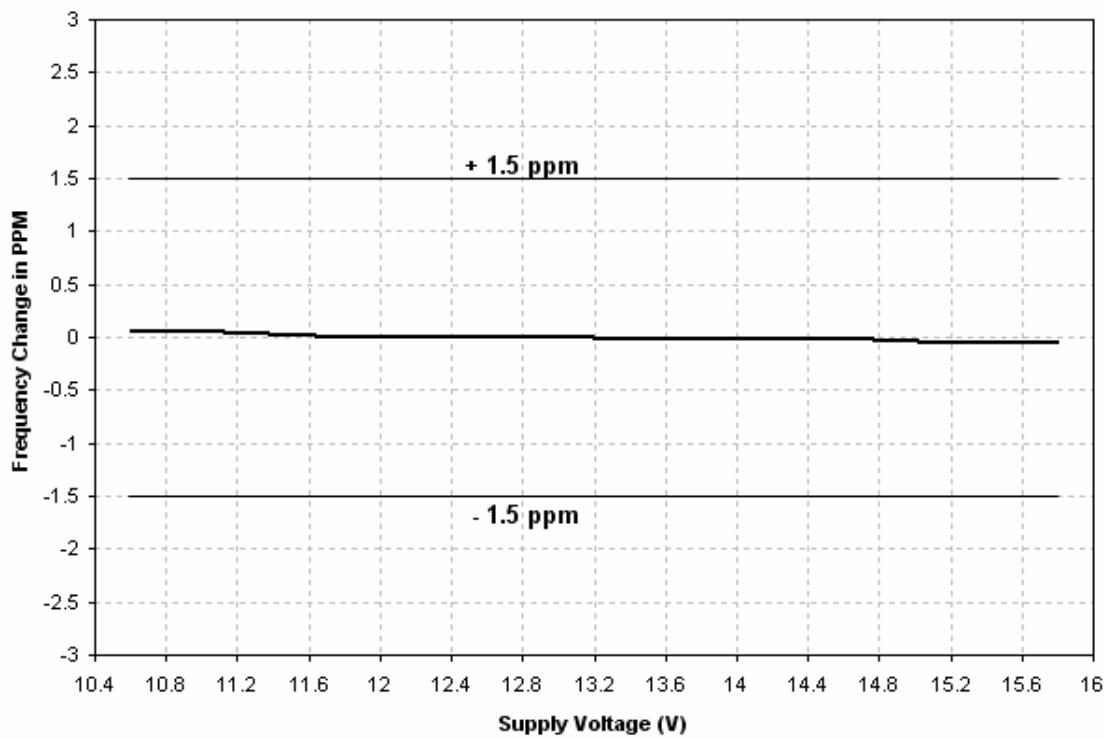
February 5, 2007

EXHIBIT 6G-12

FREQUENCY STABILITY VS. TEMPERATURE
SPECIFIED LIMITS: ±1.5 PPM (-30 TO +60 DEGREES C)



FREQUENCY STABILITY VS. SUPPLY VOLTAGE



RADIO LOW-VOLTAGE RESET OCCURS AT 5.6 VOLTS DC.

**TRANSIENT FREQUENCY BEHAVIOR
54W, 12.5kHz, KEY-UP ATTACK TIME**

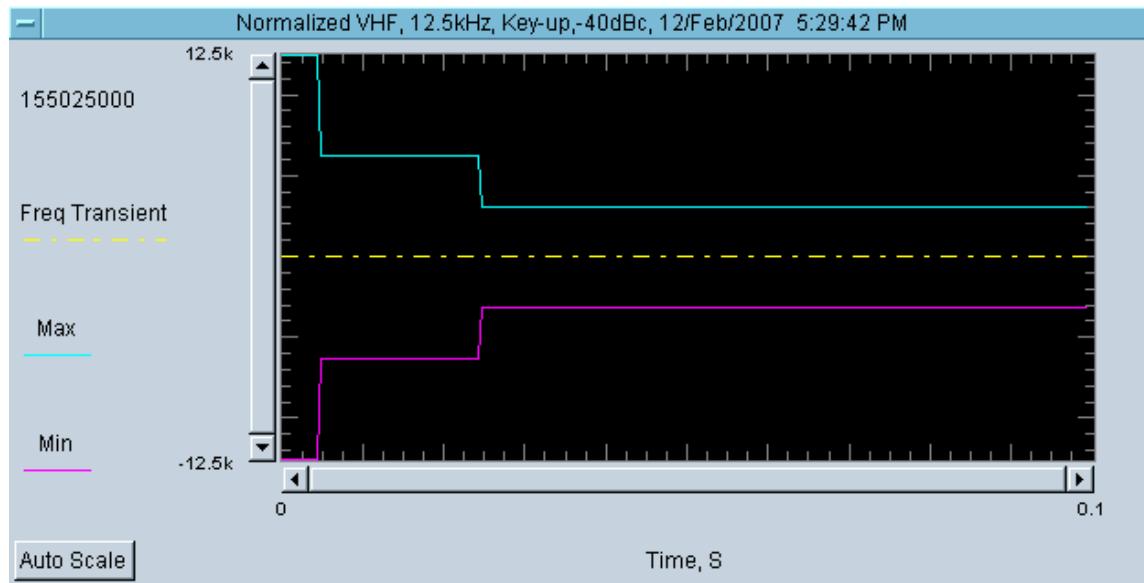


EXHIBIT 6I-1

**TRANSIENT FREQUENCY BEHAVIOR
54W, 12.5kHz, KEY-DOWN ATTACK TIME**

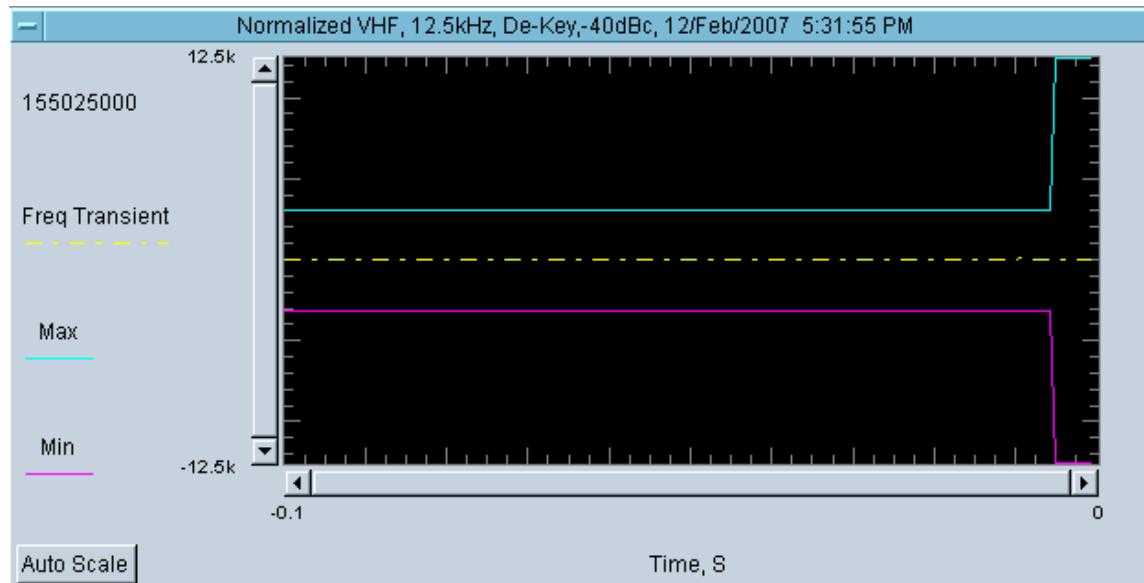


EXHIBIT 6I-2

TRANSIENT FREQUENCY BEHAVIOR
54W, 25kHz, KEY-UP ATTACK TIME

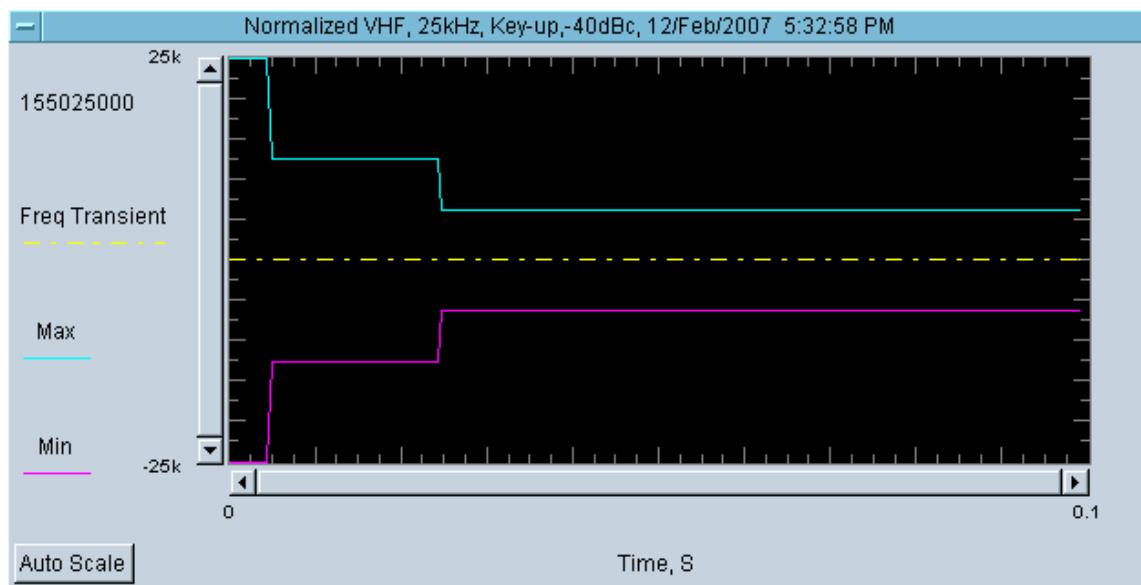


EXHIBIT 6I-3

TRANSIENT FREQUENCY BEHAVIOR
54W, 25kHz, KEY-DOWN ATTACK TIME

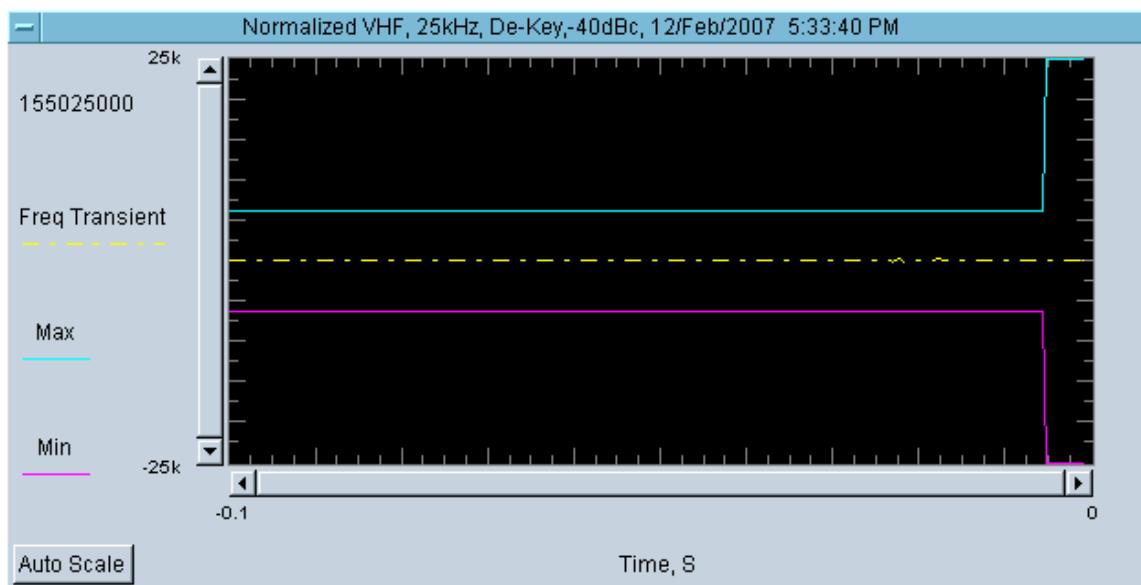


EXHIBIT 6I-4

**TRANSIENT FREQUENCY BEHAVIOR
25 WATTS, 12.5 kHz, KEY-UP ATTACK TIME**

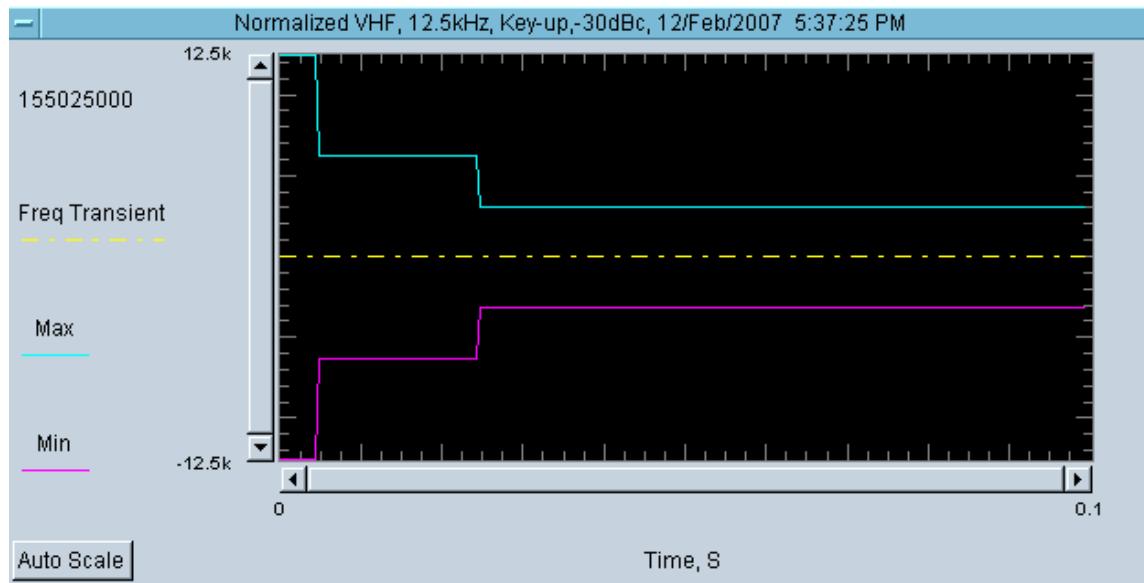


EXHIBIT 6I-5

**TRANSIENT FREQUENCY BEHAVIOR
25 WATTS, 12.5 kHz, DE-KEY DECAY TIME**

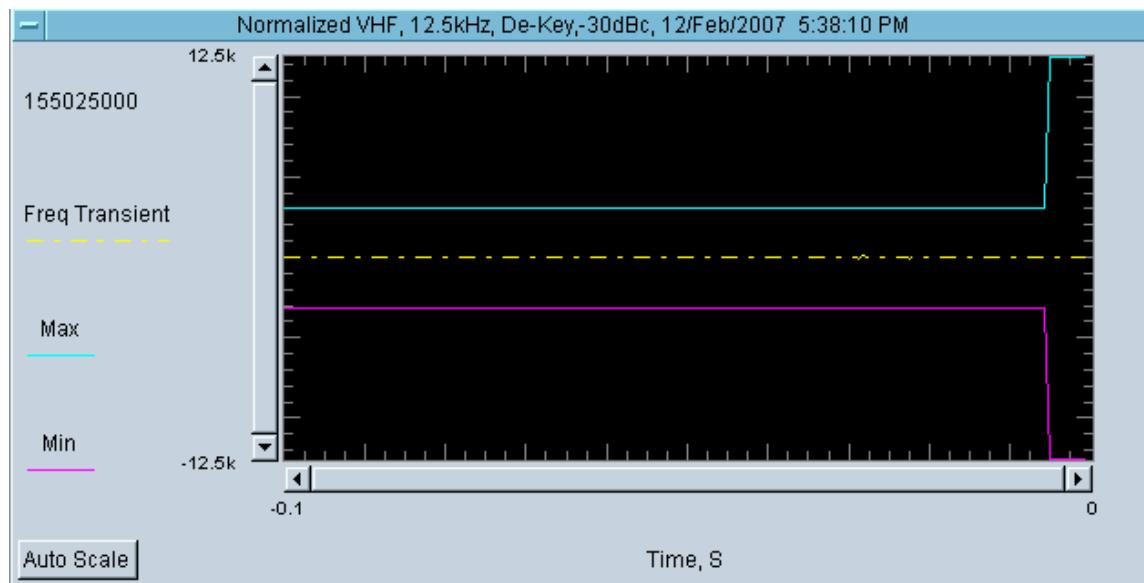


EXHIBIT 6I-6

**TRANSIENT FREQUENCY BEHAVIOR
25 WATTS, 25 kHz, KEY-UP ATTACK TIME**

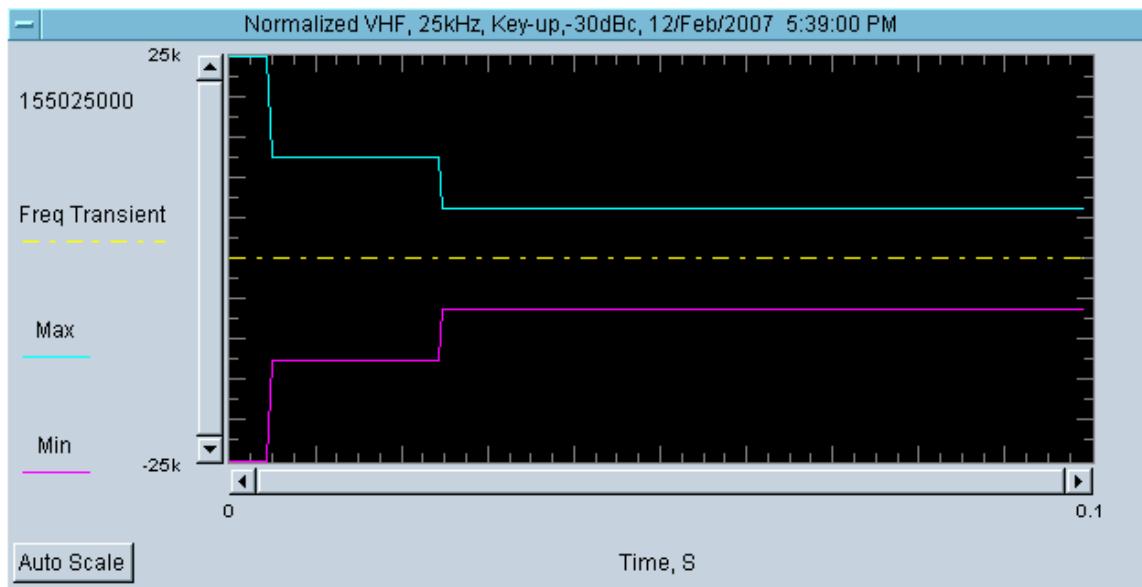


EXHIBIT 6I-7

**TRANSIENT FREQUENCY BEHAVIOR
25 WATTS, 25 kHz, DE-KEY DECAY TIME**

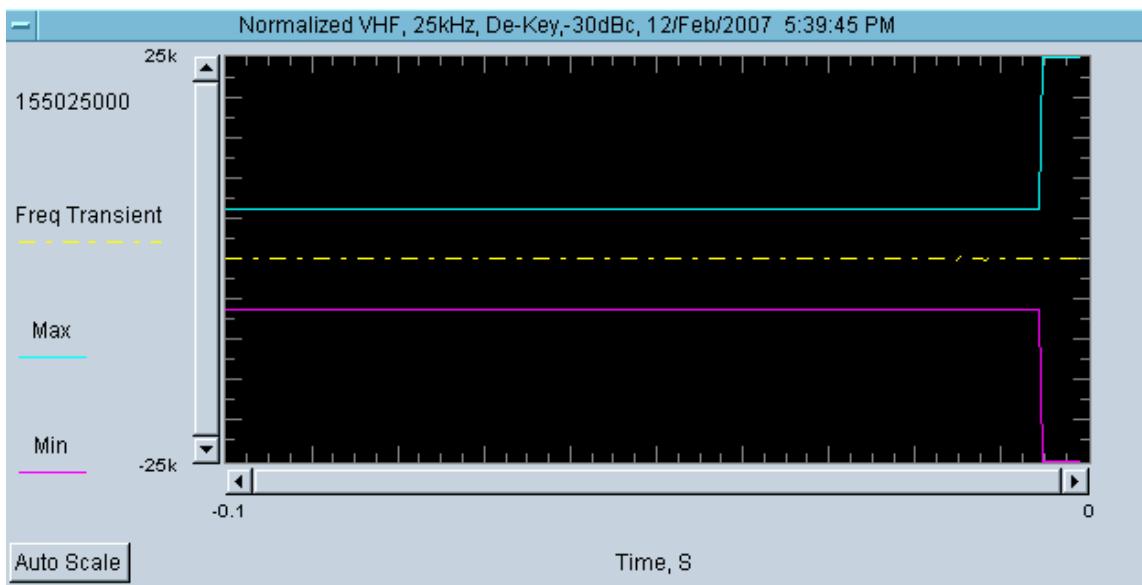


EXHIBIT 6I-8