

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
- 6D-6 – 25 kHz Digital Private Line (CDCSS) Mode

EXHIBIT 6E - Occupied Bandwidth (20 Spectrum Analyzer Plots)

- 6E-1 – 12.5 kHz 2500 Hz Audio Modulation Only
- 6E-2 – 12.5 kHz 2500 Hz Audio and TPL (CTCSS) Modulation
- 6E-3 – 12.5 kHz 2500 Hz Audio and DPL (CDCSS) Modulation
- 6E-4 – 12.5 kHz DTMF Modulation Only
- 6E-5 – 12.5 kHz DTMF Modulation and TPL (CTCSS) Modulation
- 6E-6 – 12.5 kHz DTMF Modulation and DPL (CDCSS) Modulation
- 6E-7 – 12.5 kHz 2000/3000 Hz FSK Data Modulation Only
- 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
- 6E-15 – 25 kHz DTMF Modulation Only
- 6E-16 – 25 kHz DTMF Modulation and TPL (CTCSS) Modulation
- 6E-17 – 25 kHz DTMF Modulation and DPL (CDCSS) Modulation
- 6E-18 – 25 kHz 2000/3000 Hz FSK Data Modulation Only
- 6E-19 – 25 kHz 2000/3000 Hz FSK Data and TPL (CTCSS) Modulation
- 6E-20 – 25 kHz 2000/3000 Hz FSK Data and DPL (CDCSS) Modulation

EXHIBIT 6F - Conducted Spurious Emissions (6 Graphs)

- 6F-1 – 30 Watts, 136.0125 MHz
- 6F-2 – 30 Watts, 153.0125 MHz
- 6F-3 – 30 Watts, 173.9875 MHz
- 6F-4 – 1 Watt, 136.0125 MHz
- 6F-5 – 1 Watt, 153.0125 MHz
- 6F-6 – 1 Watt, 173.9875 MHz

INDEX OF SUBMITTED MEASURED DATA (CONTINUED)**EXHIBIT 6G – Radiated Spurious Emissions – (12 Graphs)**

6G-1 – 30 Watts, 136.0125 MHz, 12.5 kHz
6G-2 – 30 Watts, 153.0125 MHz, 12.5 kHz
6G-3 – 30 Watts, 173.9875 MHz, 12.5 kHz
6G-4 – 1 Watts, 136.0125 MHz, 12.5 kHz
6G-5 – 1 Watts, 153.0125 MHz, 12.5 kHz
6G-6 – 1 Watts, 173.9875 MHz, 12.5 kHz
6G-7 – 30 Watts, 136.0125 MHz, 25 kHz
6G-8 – 30 Watts, 153.0125 MHz, 25 kHz
6G-9 – 30 Watts, 173.9875 MHz, 25 kHz
6G-10 – 1 Watts, 136.0125 MHz, 25 kHz
6G-11 – 1 Watts, 153.0125 MHz, 25 kHz
6G-12 – 1 Watts, 173.9875 MHz, 25 kHz

EXHIBIT 6H – Frequency Stability (2 Graphs)

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

EXHIBIT 6I- Transient Frequency Behavior (8 Graphs)

6I-1 – 30 Watts, 12.5 kHz Key-Up Attack Time
6I-2 – 30 Watts, 12.5 kHz De-Key Decay Time
6I-3 – 30 Watts, 25 kHz Key-Up Attack Time
6I-4 – 30 Watts, 25 kHz De-Key Decay Time
6I-5 – 1 Watts, 12.5 kHz Key-Up Attack Time
6I-6 – 1 Watts, 12.5 kHz De-Key Decay Time
6I-7 – 1 Watts, 25 kHz Key-Up Attack Time
6I-8 – 1 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 136.0125 MHz

Measured RF Output Power:	29.62 Watts
Measured DC Voltage:	13.80 Volts
Measured DC Input Current:	5.363 Amperes
Measured DC Input Power:	74.01 Watts

LOW POWER SETTING, FREQUENCY 136.0125 MHz

Measured RF Output Power:	1.100 Watt
Measured DC Voltage:	13.80 Volts
Measured DC Input Current:	1.433 Amperes
Measured DC Input Power:	19.77 Watts

HIGH POWER SETTING, FREQUENCY 153.0125 MHz

Measured RF Output Power:	29.63 Watts
Measured DC Voltage:	13.80 Volts
Measured DC Input Current:	5.490 Amperes
Measured DC Input Power:	75.76 Watts

LOW POWER SETTING, FREQUENCY 153.0125 MHz

Measured RF Output Power:	1.102 Watt
Measured DC Voltage:	13.80 Volts
Measured DC Input Current:	1.335 Amperes
Measured DC Input Power:	18.42 Watts

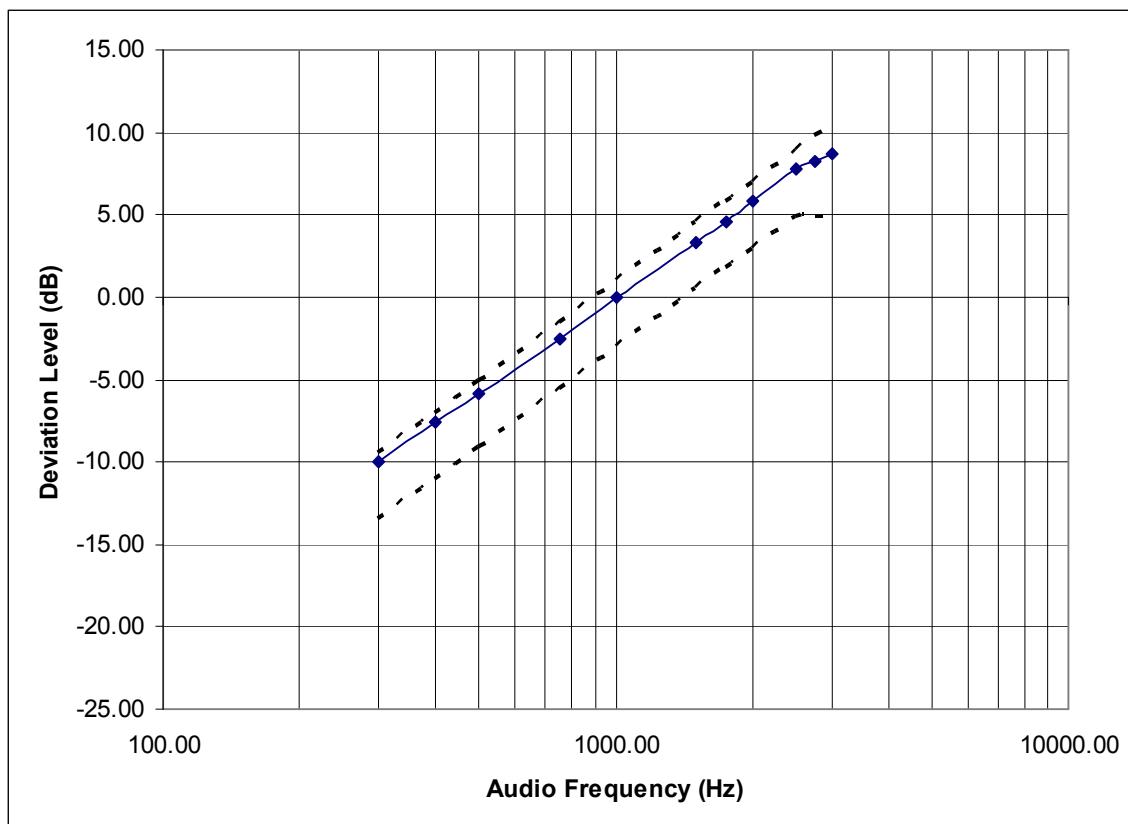
HIGH POWER SETTING, FREQUENCY 173.9875 MHz

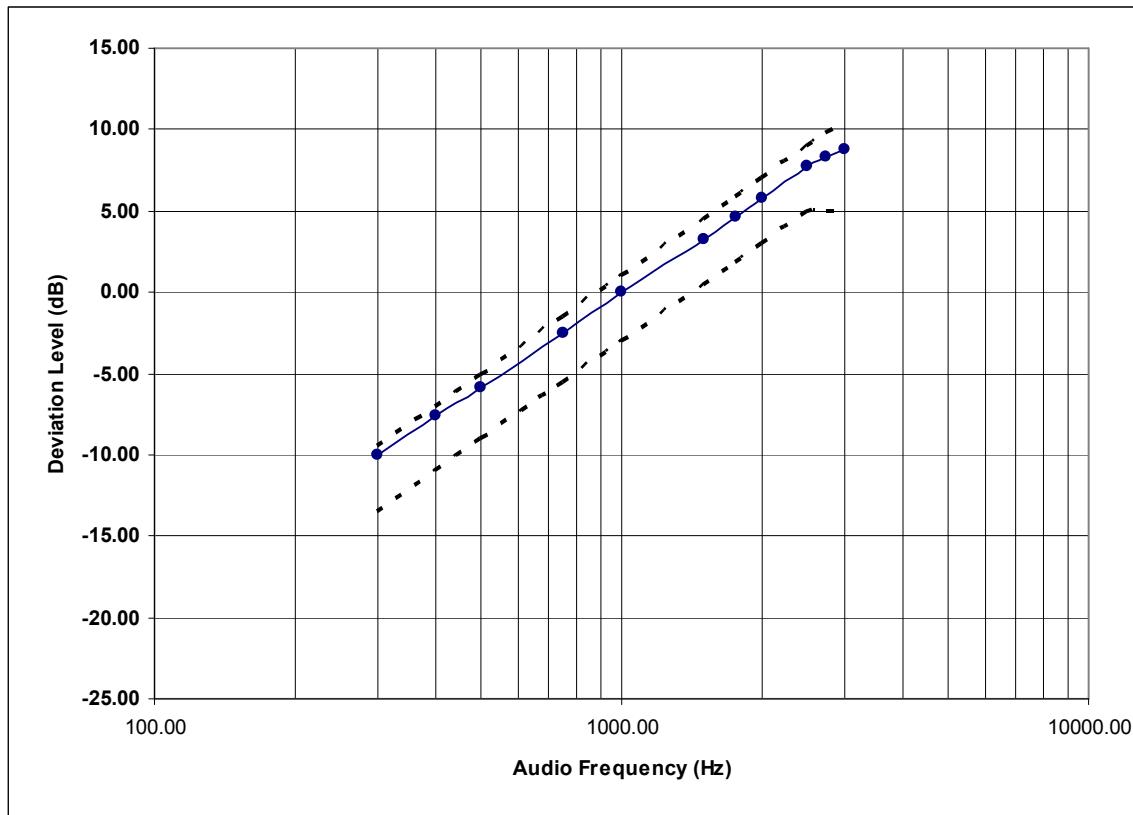
Measured RF Output Power:	29.41 Watts
Measured DC Voltage:	13.80 Volts
Measured DC Input Current:	5.655 Amperes
Measured DC Input Power:	78.04 Watts

LOW POWER SETTING, FREQUENCY 173.9875 MHz

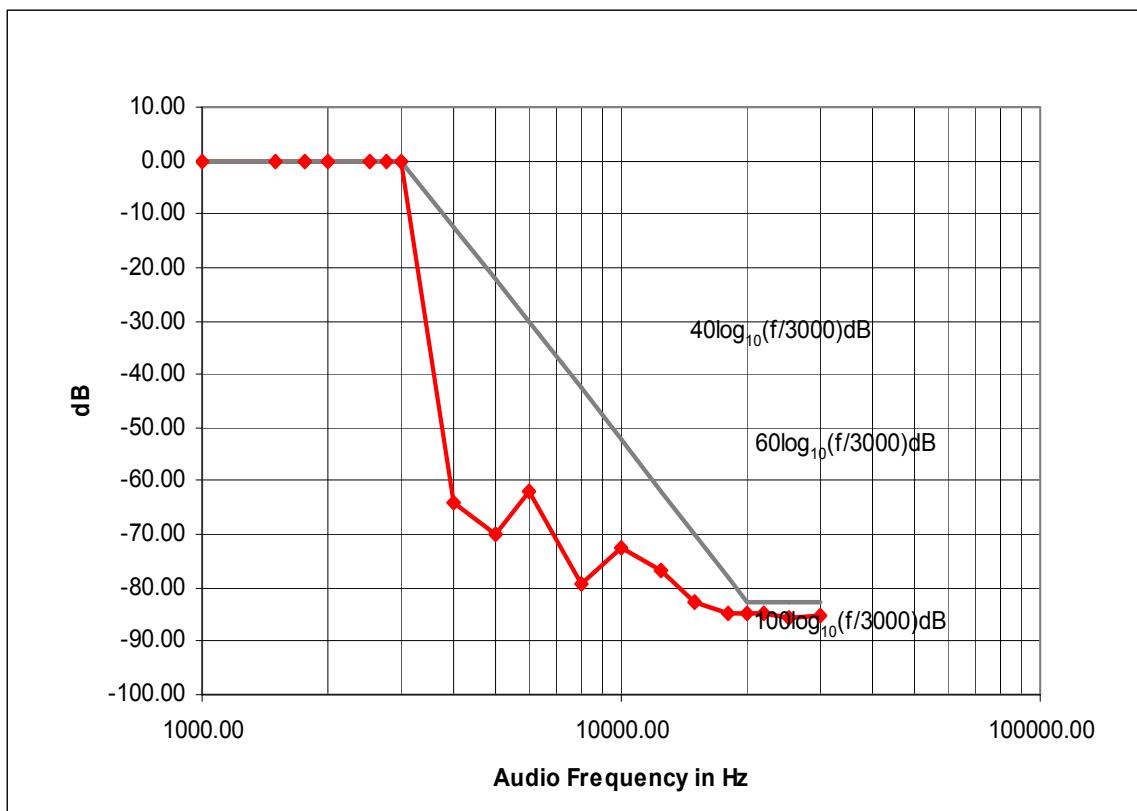
Measured RF Output Power:	1.103 Watt
Measured DC Voltage:	13.80 Volts
Measured DC Input Current:	1.485 Amperes
Measured DC Input Power:	20.49 Watts

**TRANSMIT AUDIO RESPONSE
12.5 kHz CHANNEL SPACING**



TRANSMIT AUDIO RESPONSE
25 kHz CHANNEL SPACING

POST-LIMITER LOWPASS FILTER RESPONSE



MOTOROLA INC.

FCC ID: ABZ99FT3083

MODULATION LIMITING CHARACTERISTIC 12.5 kHz CARRIER SQUELCH MODE

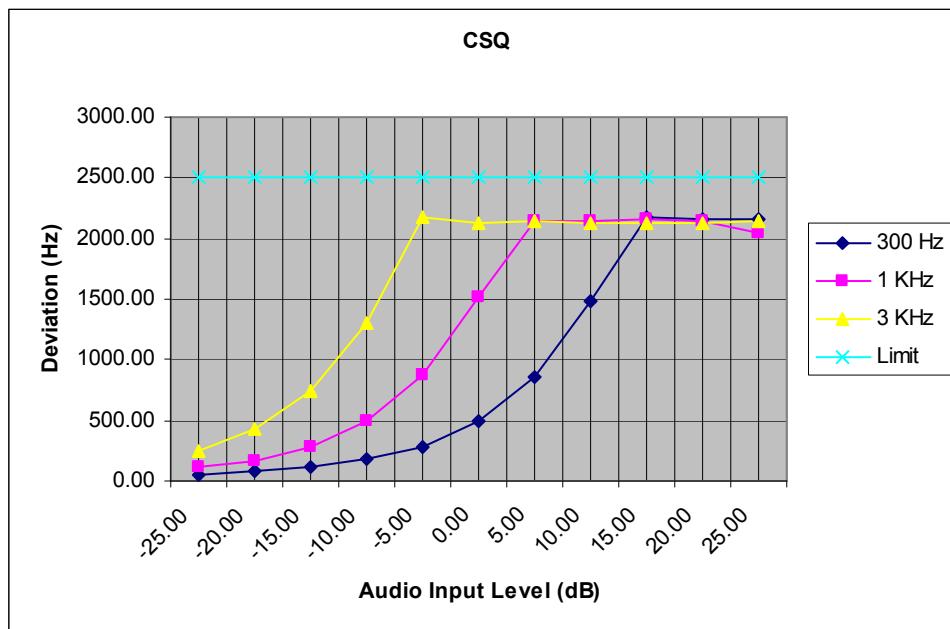
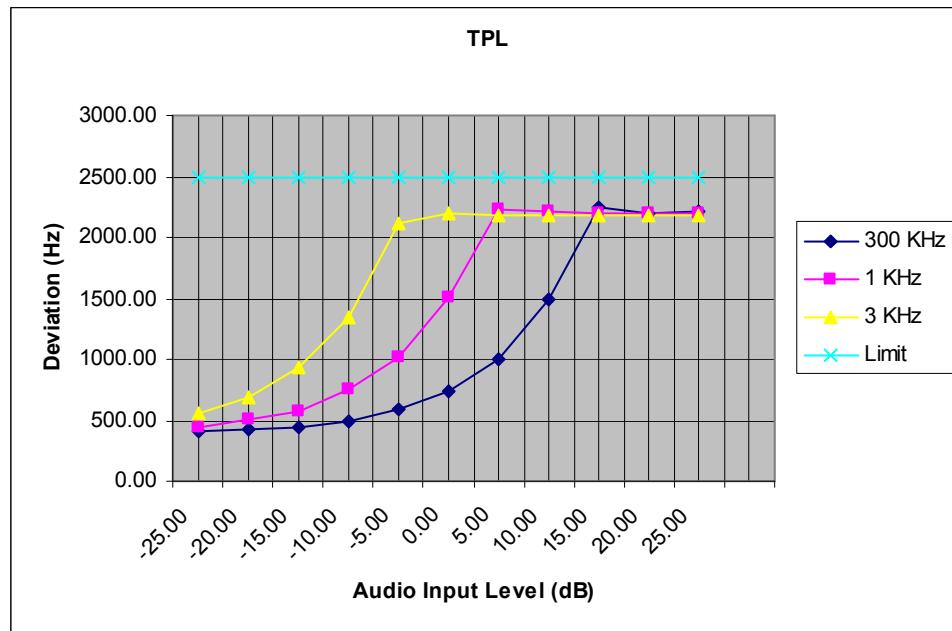
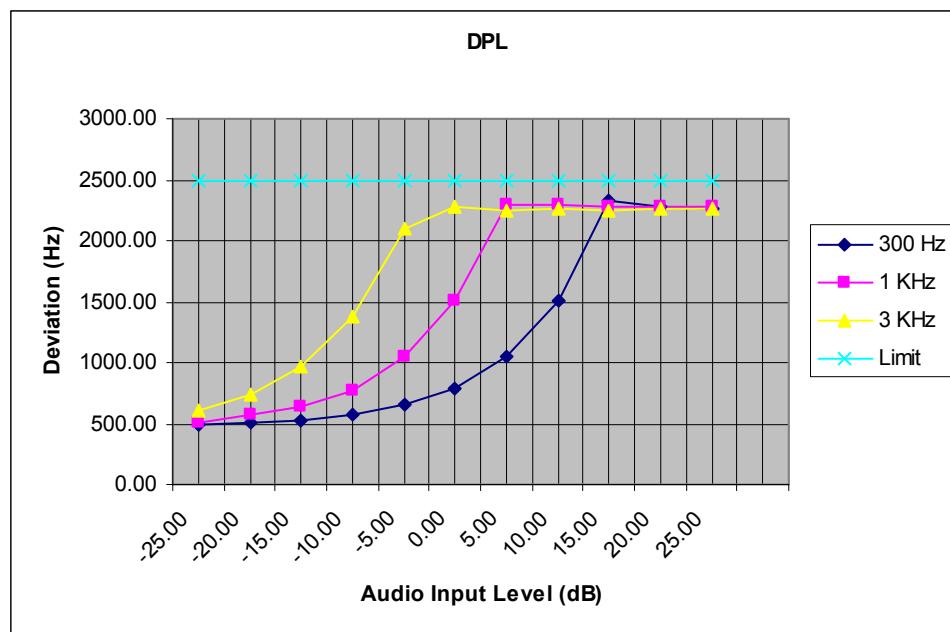


EXHIBIT 6D-1

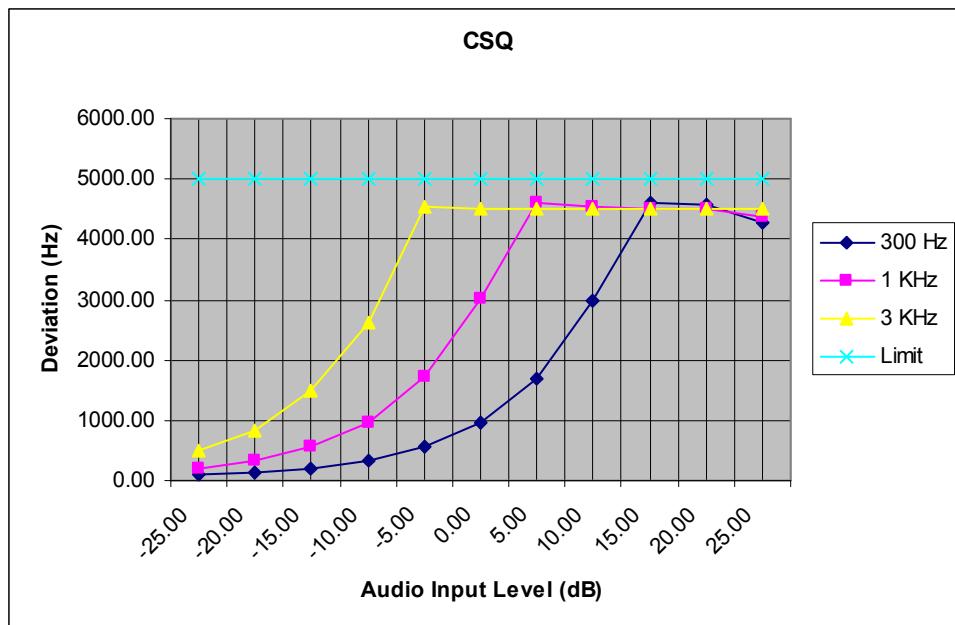
**MODULATION LIMITING CHARACTERISTIC
12.5 kHz TONE PL MODE**



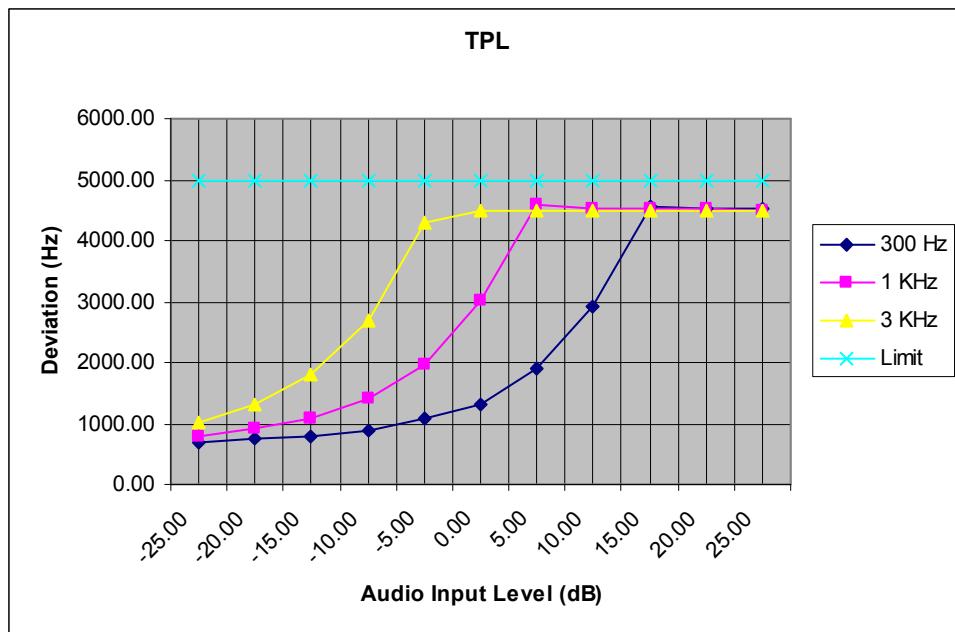
**MODULATION LIMITING CHARACTERISTIC
12.5 kHz DPL MODE**



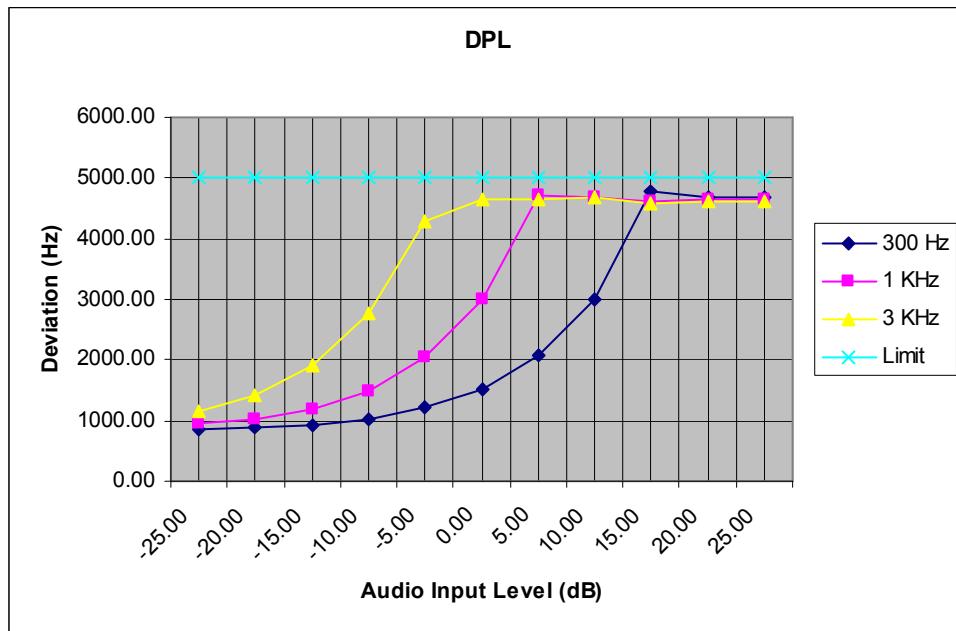
**MODULATION LIMITING CHARACTERISTIC
25 kHz CARRIER SQUELCH MODE**



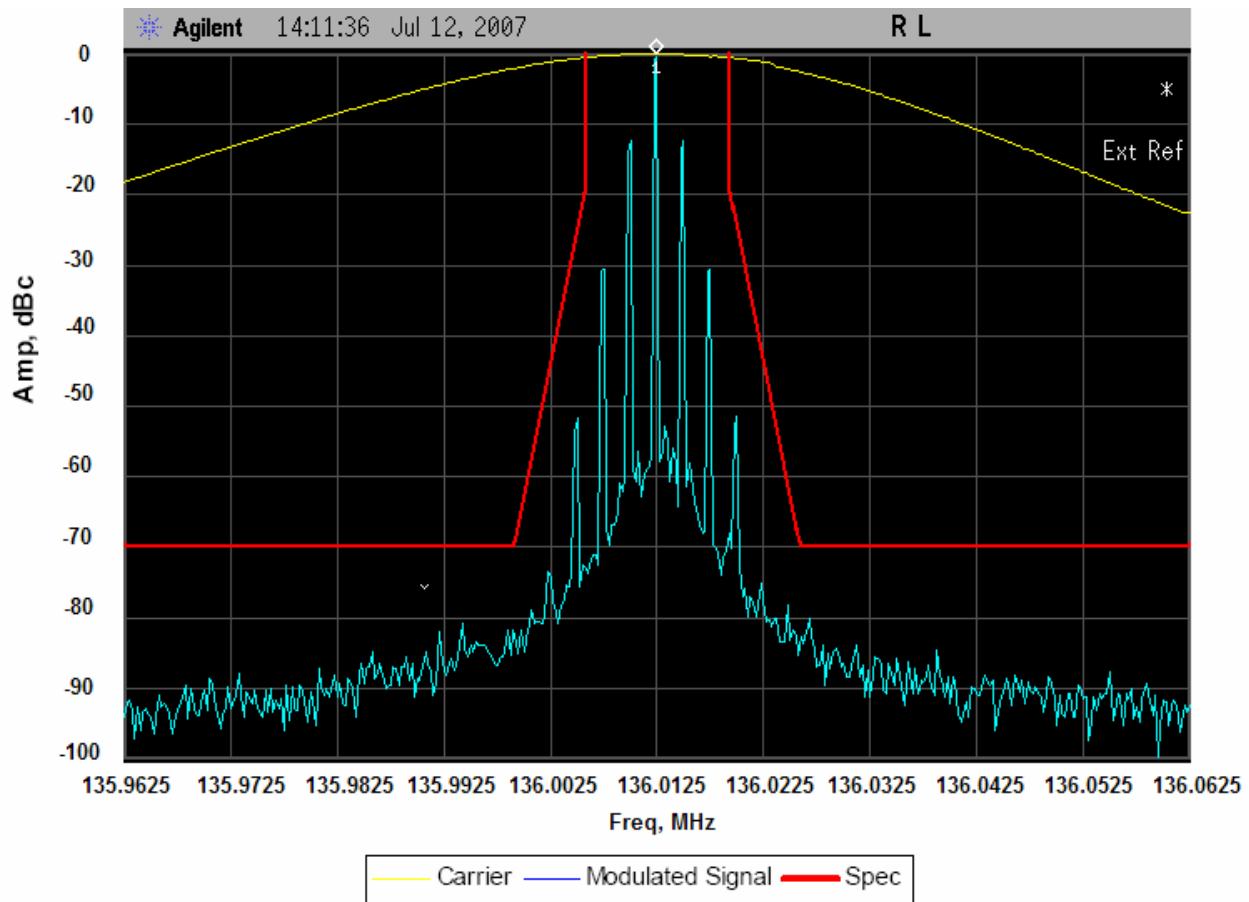
**MODULATION LIMITING CHARACTERISTIC
25 kHz TONE PL MODE**



**MODULATION LIMITING CHARACTERISTIC
25 kHz DPL MODE**

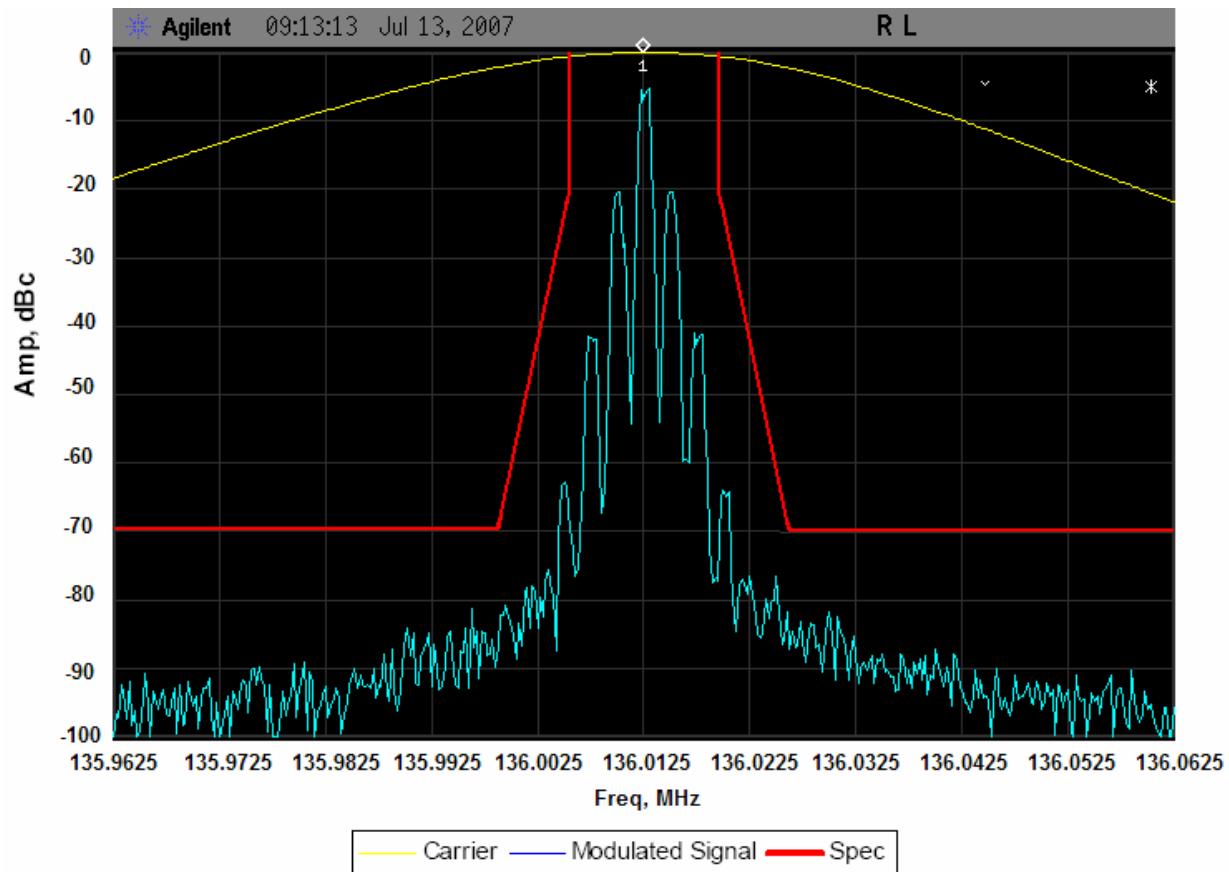


**OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, 2500 Hz TONE, CARRIER SQUELCH
EMISSION MASK: D**



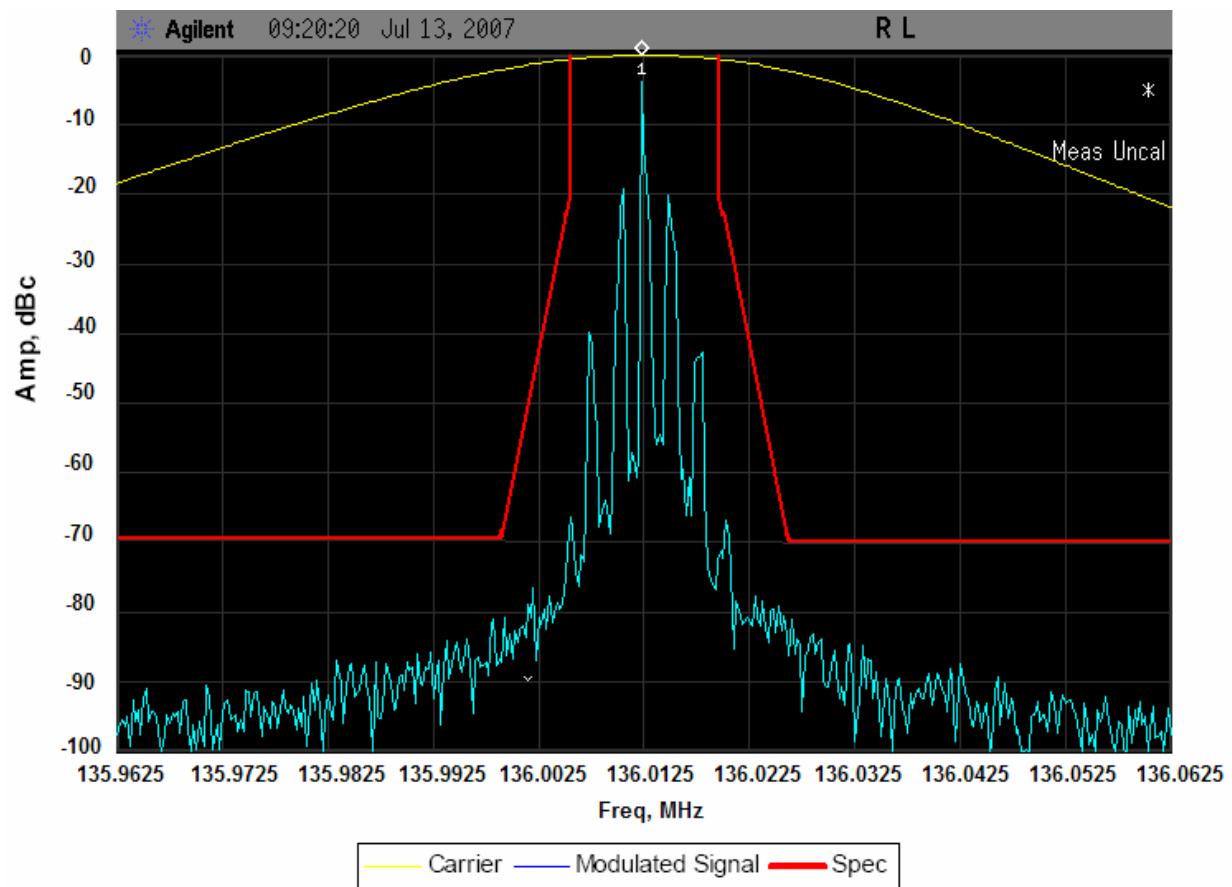
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



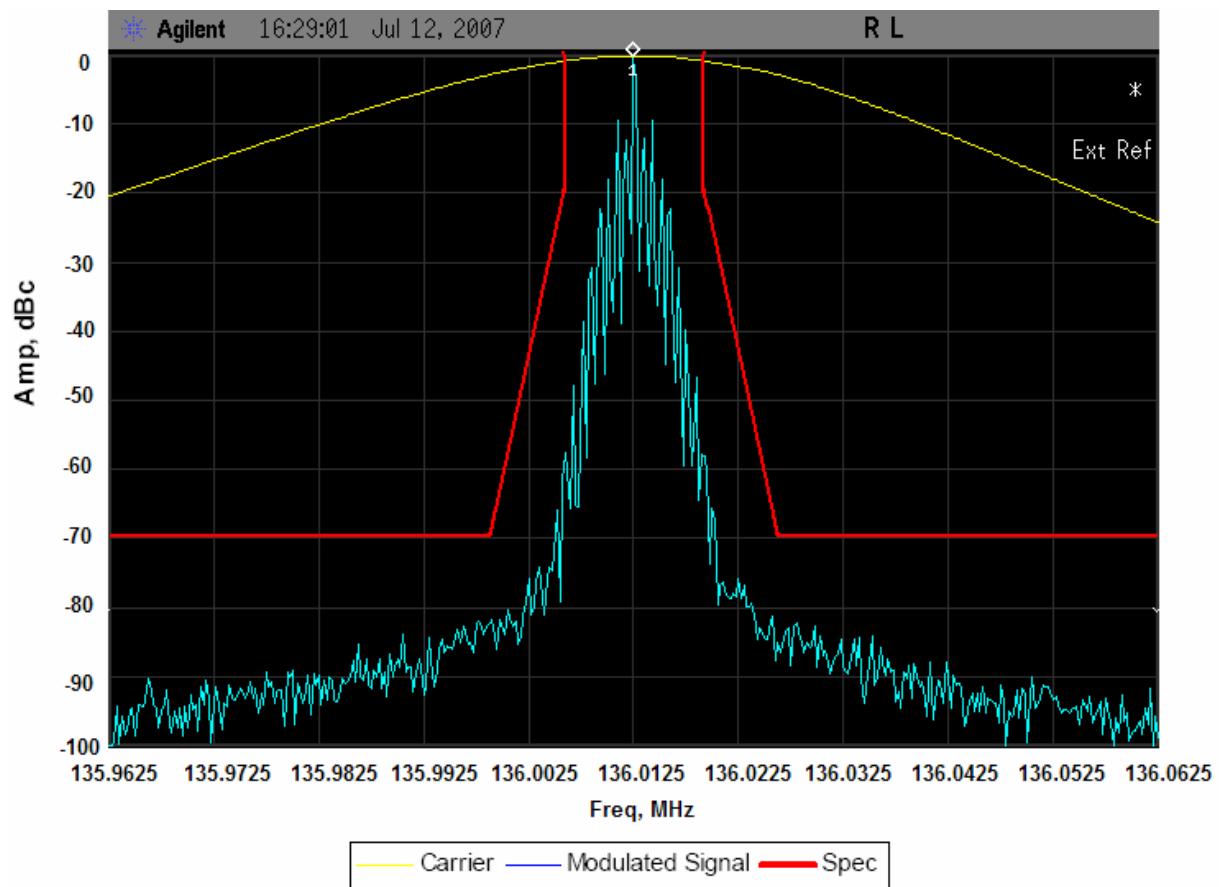
CENTER FREQUENCY: 136.0125 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 kHz
SPAN: 100 kHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB = 4.6 Watts
ATTENUATION: 30 dB

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



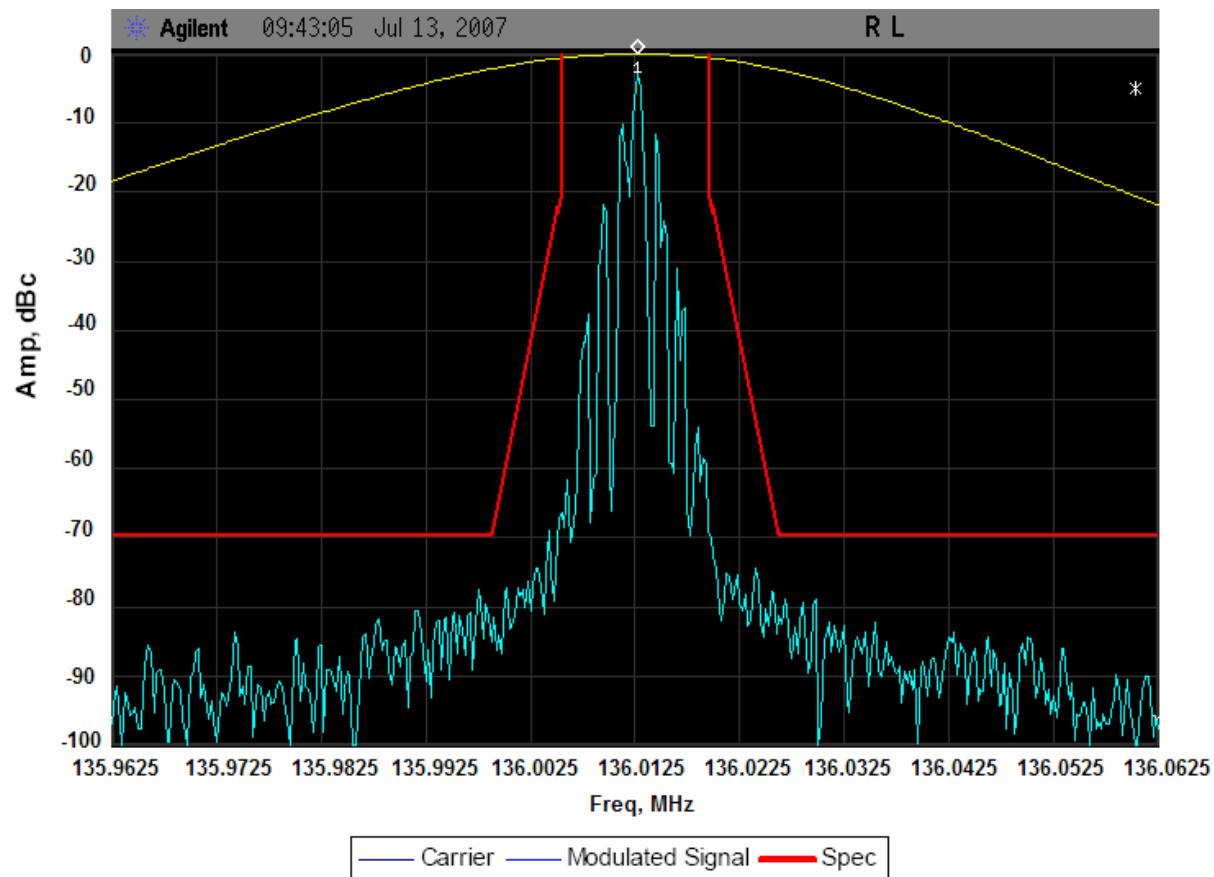
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



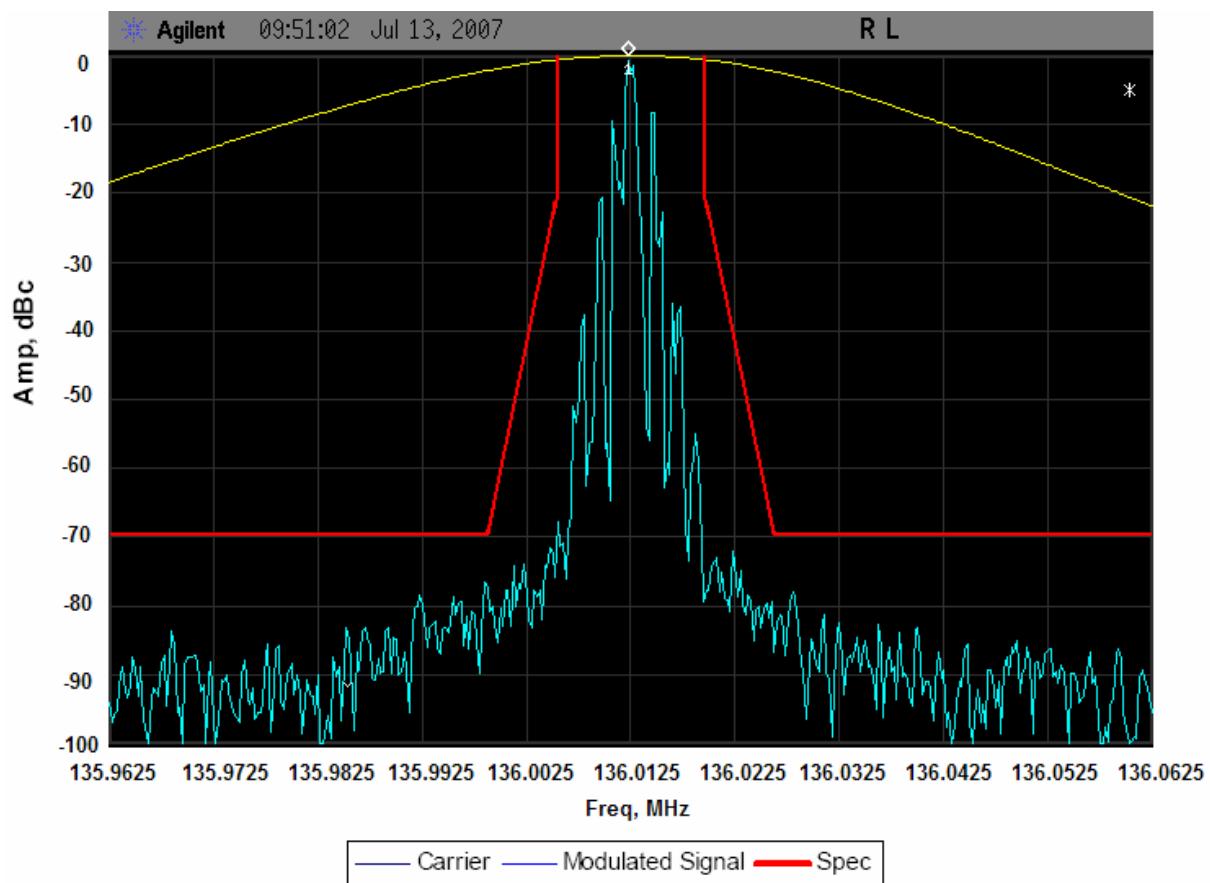
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



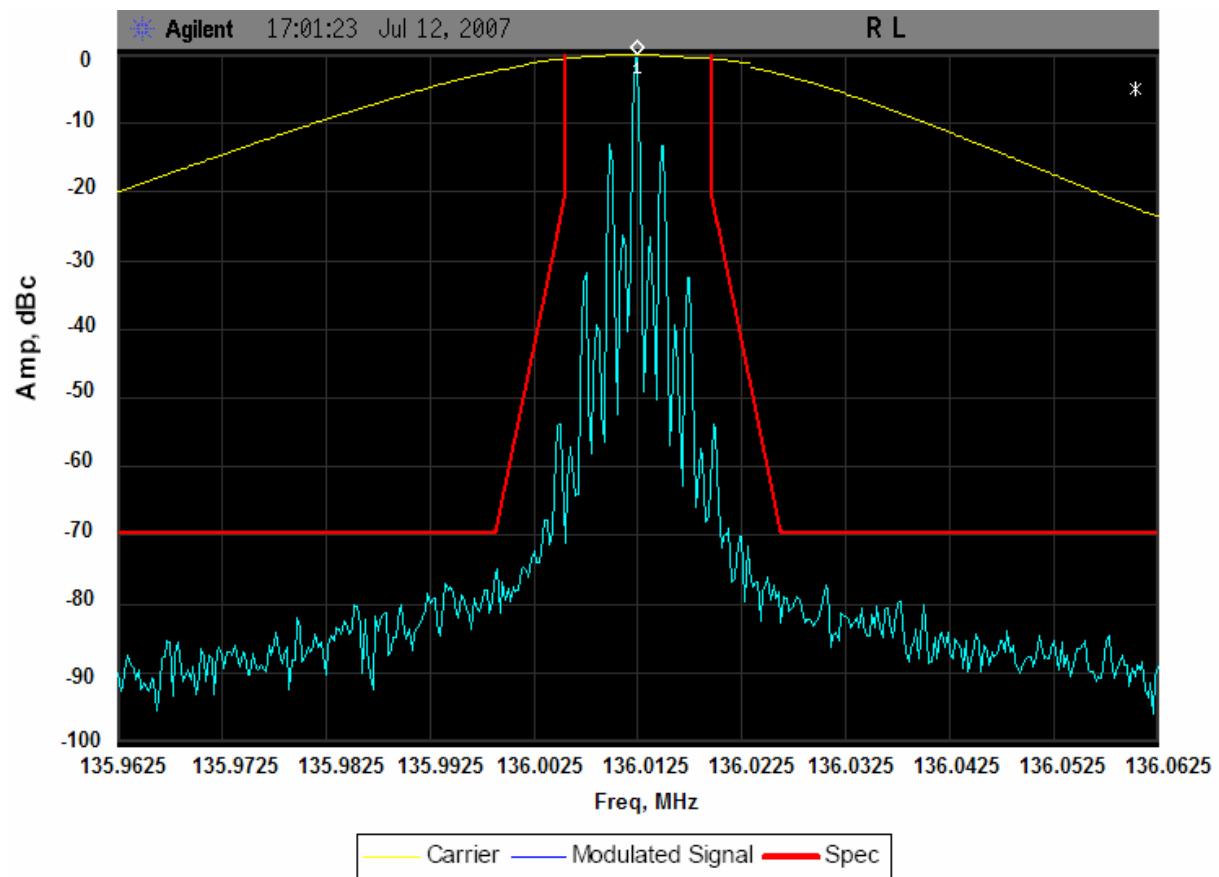
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



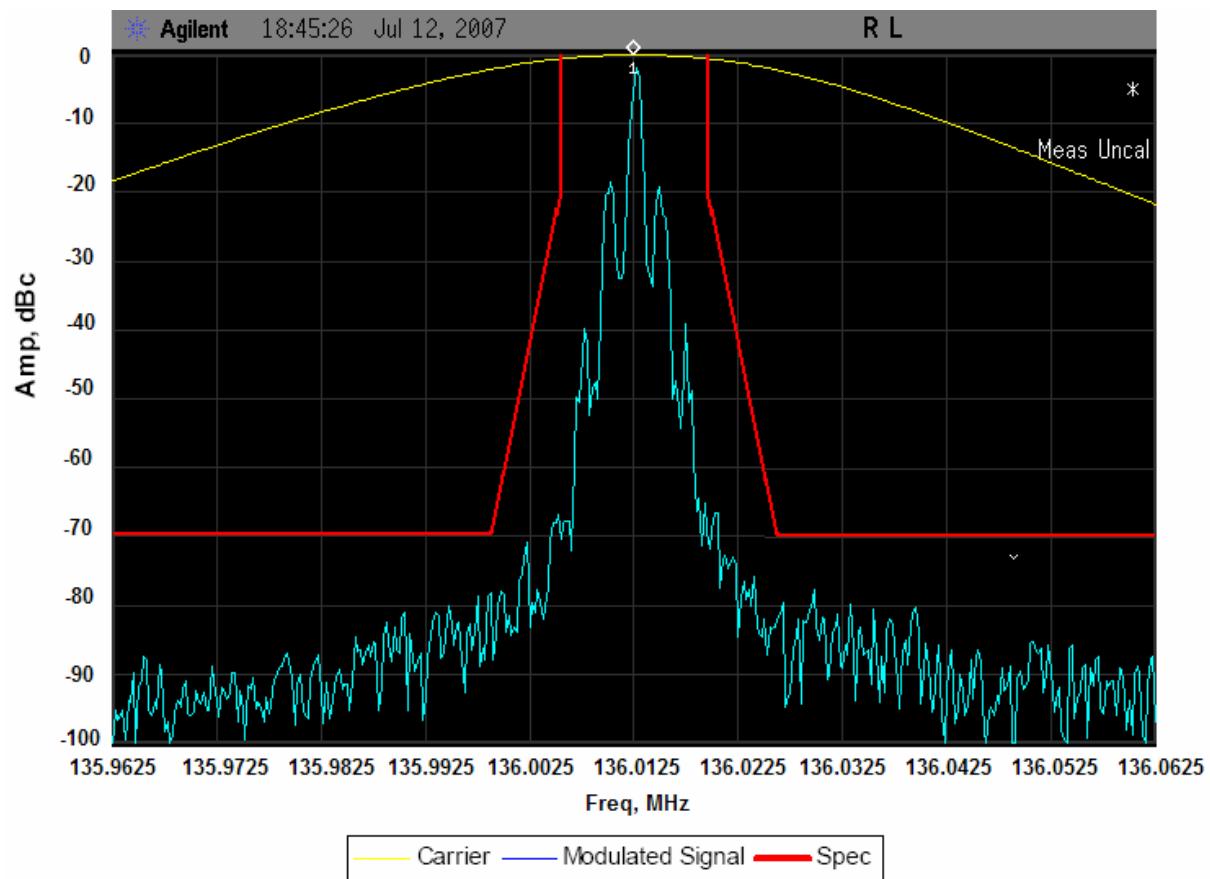
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



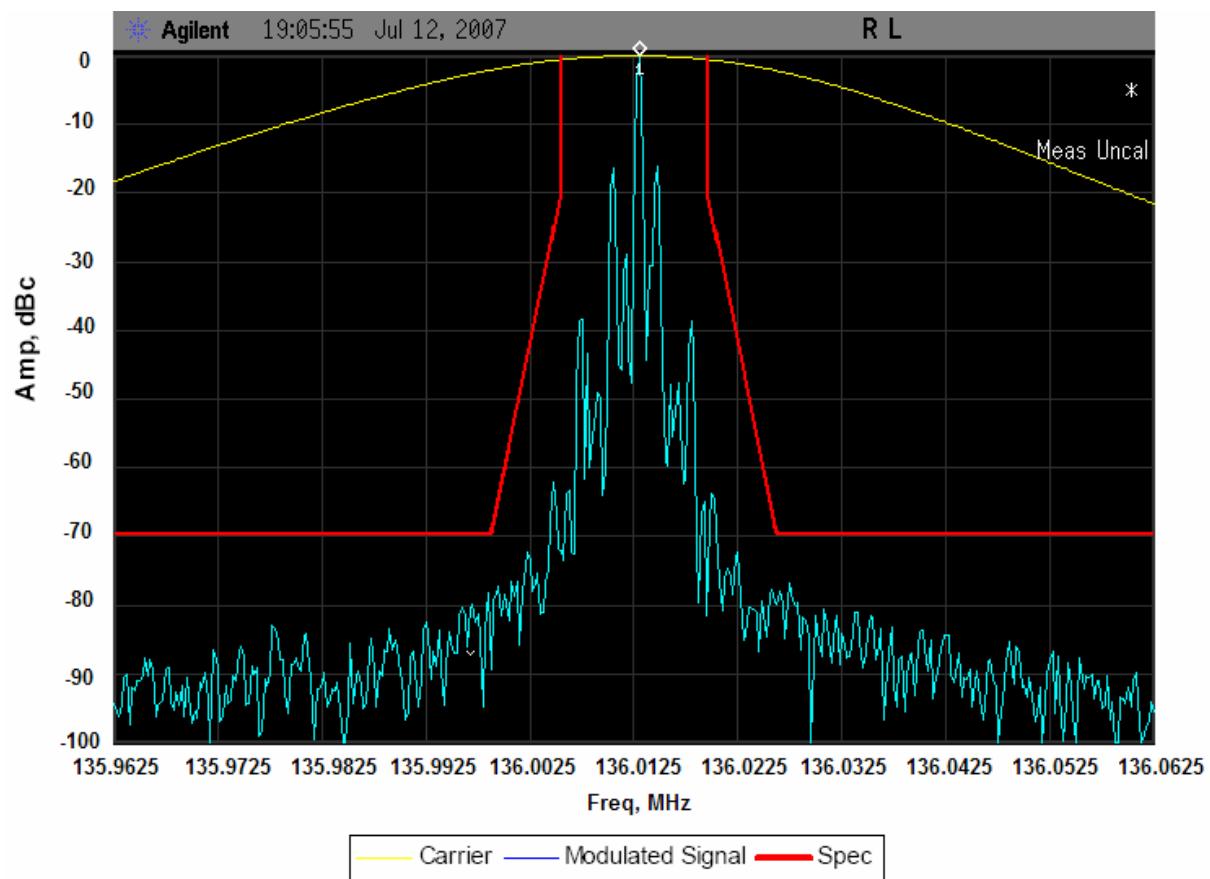
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



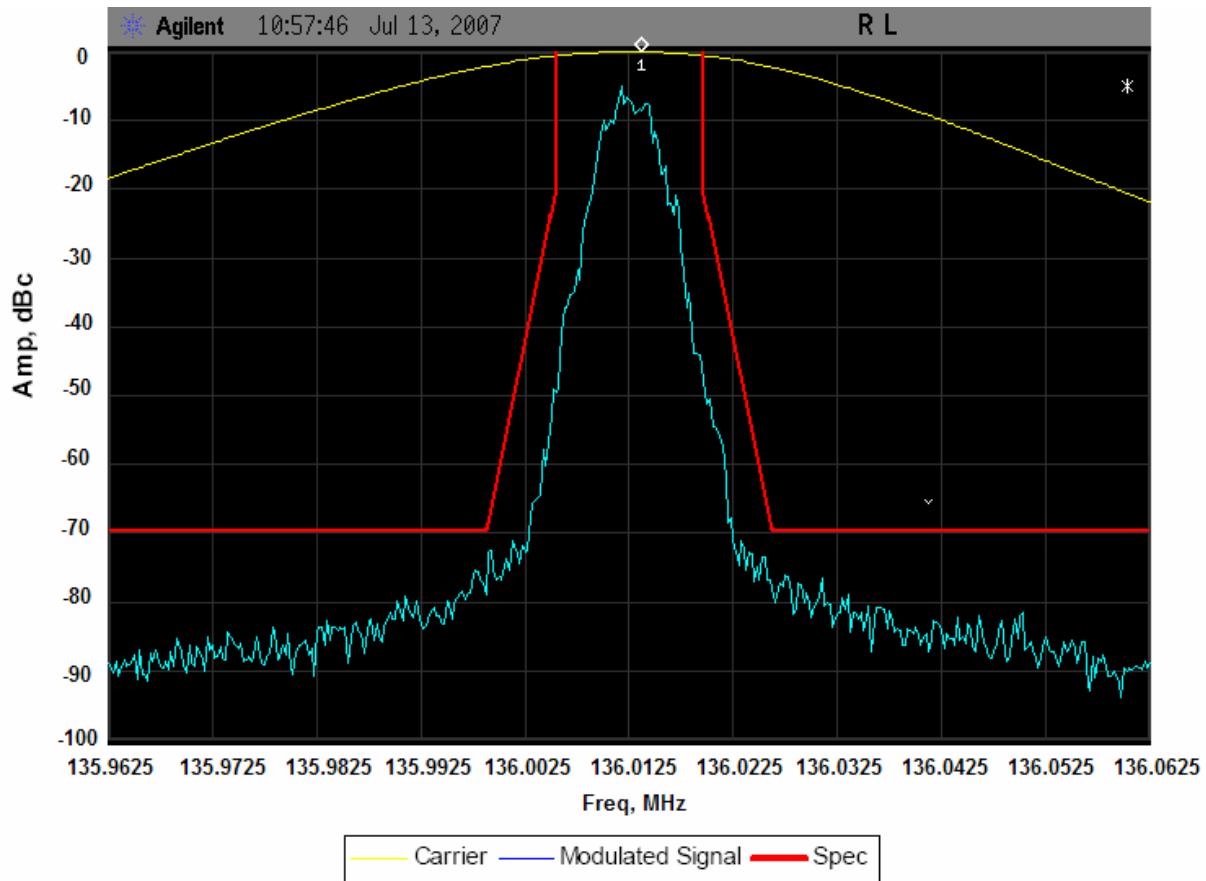
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



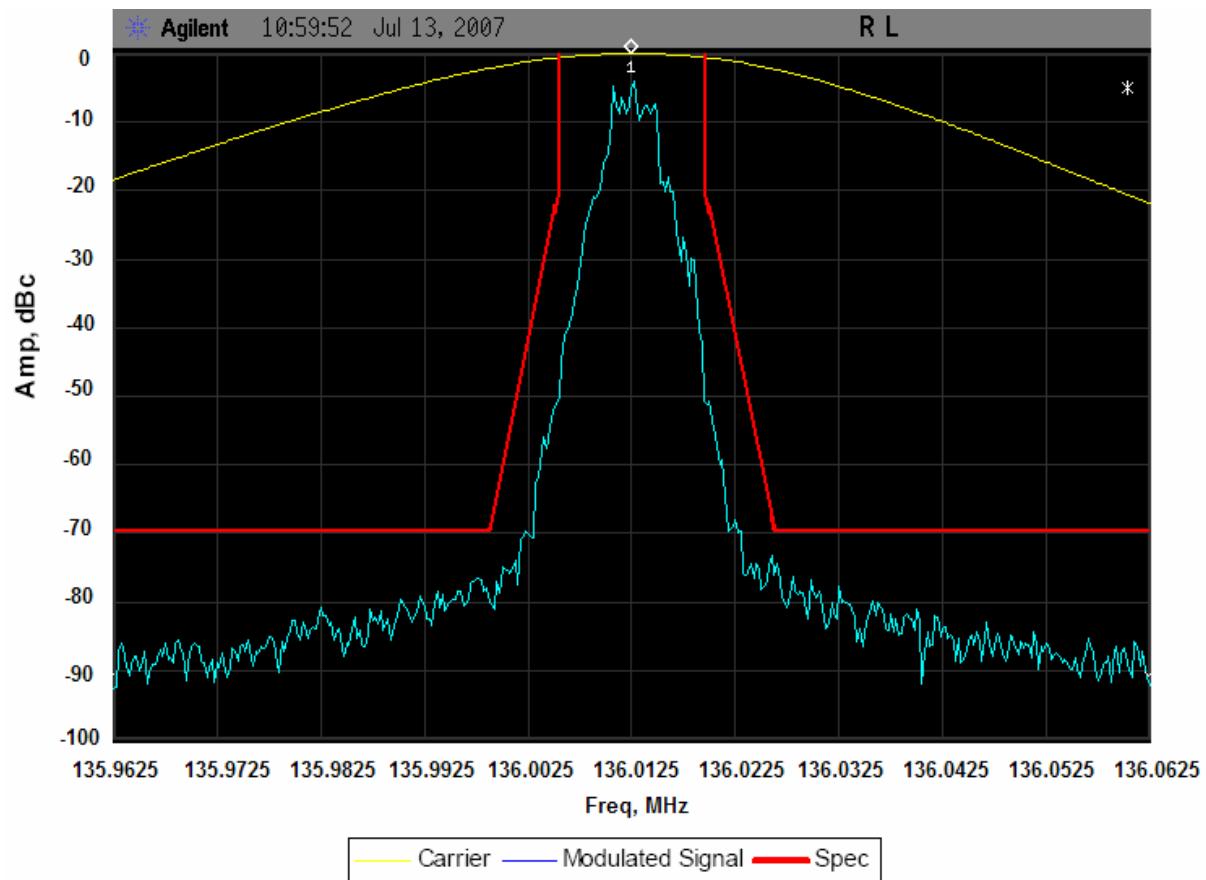
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, 4-LEVEL FSK DATA
EMISSION MASK: D**



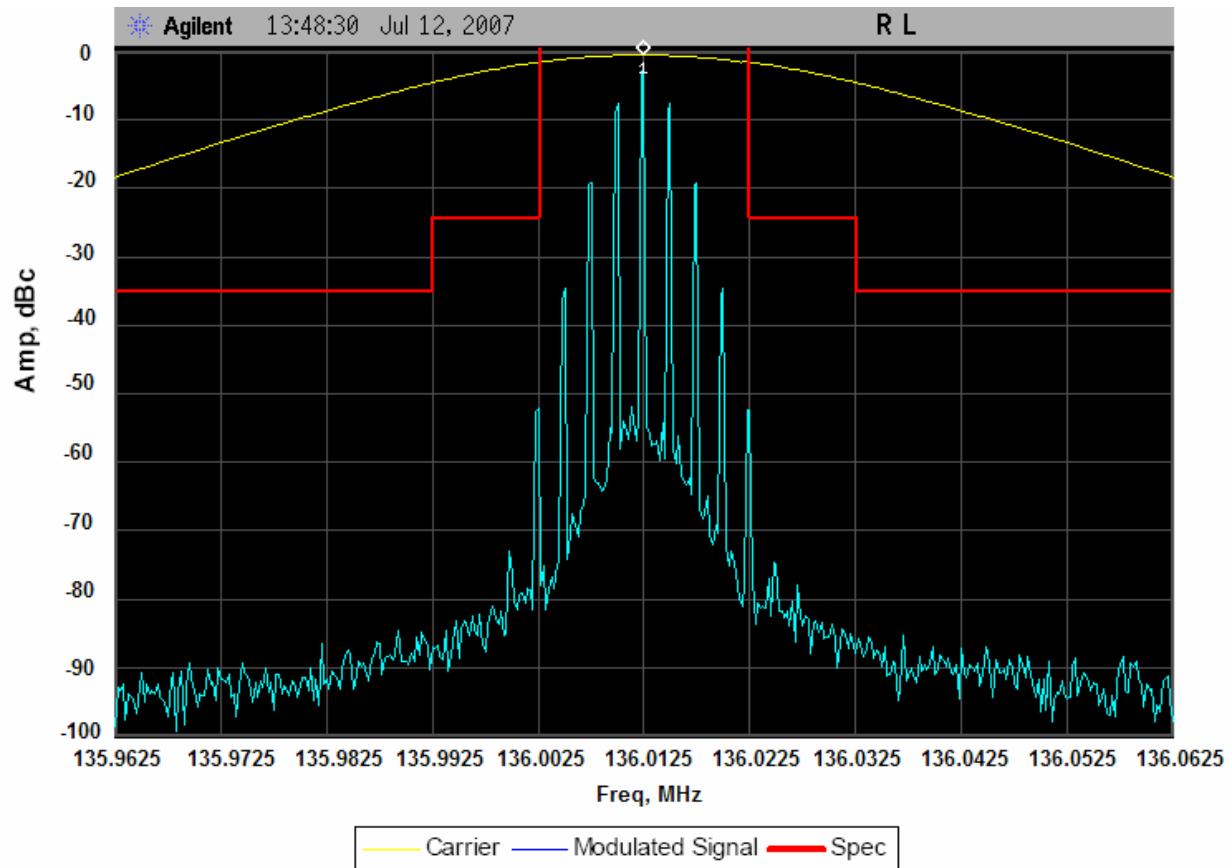
CENTER FREQUENCY: 136.0125 MHz
RESOLUTION BANDWIDTH: 100 Hz
VIDEO BANDWIDTH: 1 kHz
SPAN: 100 kHz
HORIZONTAL SCALE: 10 kHz/div
SWEEP TIME: 50 Sec.
VERTICAL SCALE: 10 dB/div
REFERENCE LEVEL: 0 dB = 4.6 Watts
ATTENUATION: 30 dB

**OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, 4-LEVEL FSK VOICE AND DATA
EMISSION MASK: D**



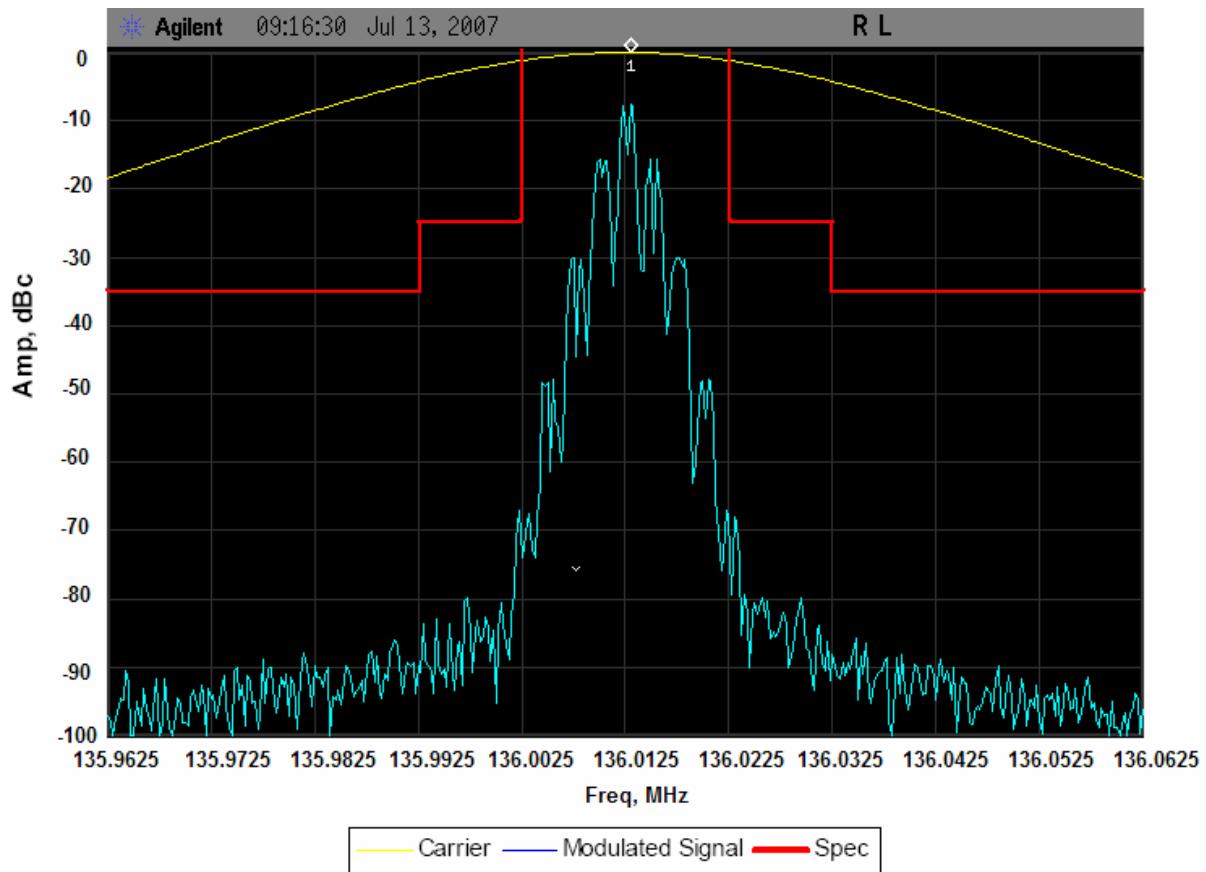
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



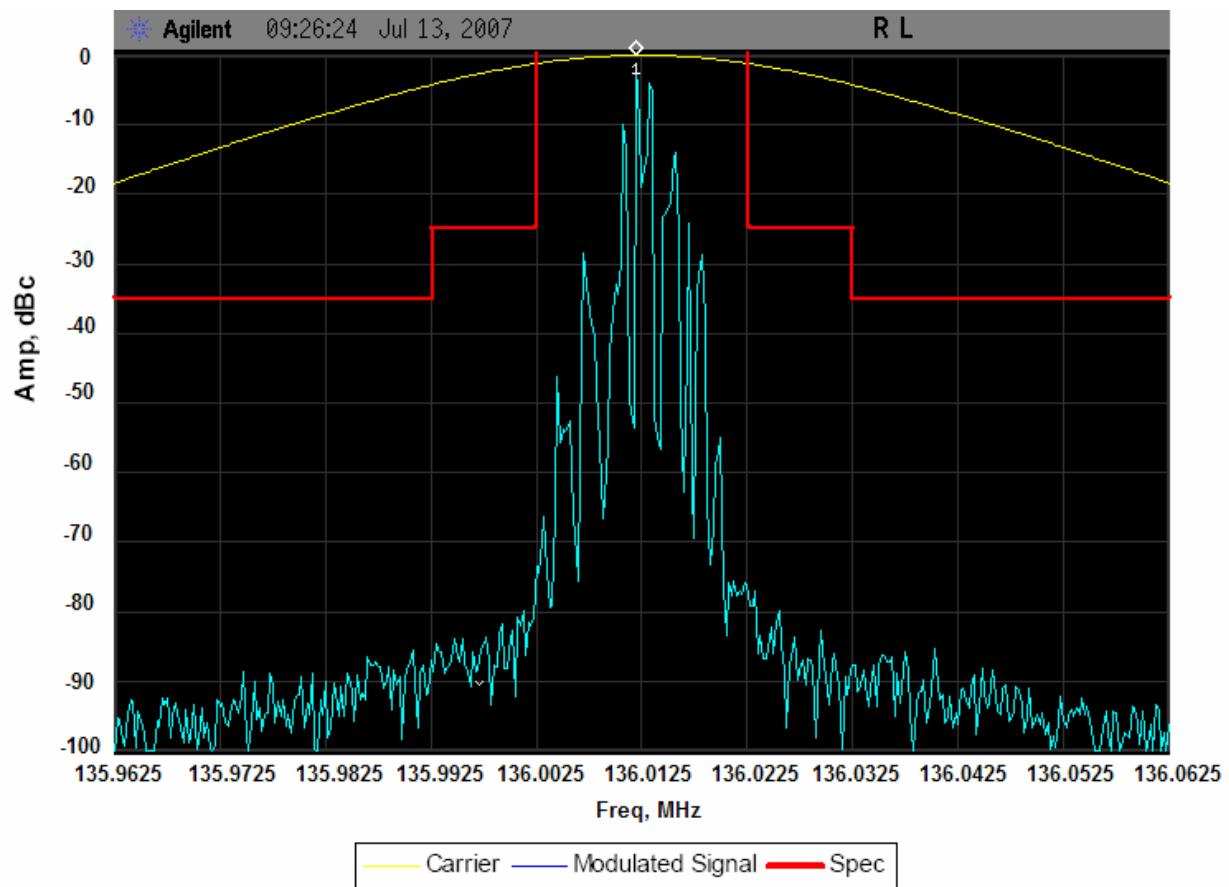
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



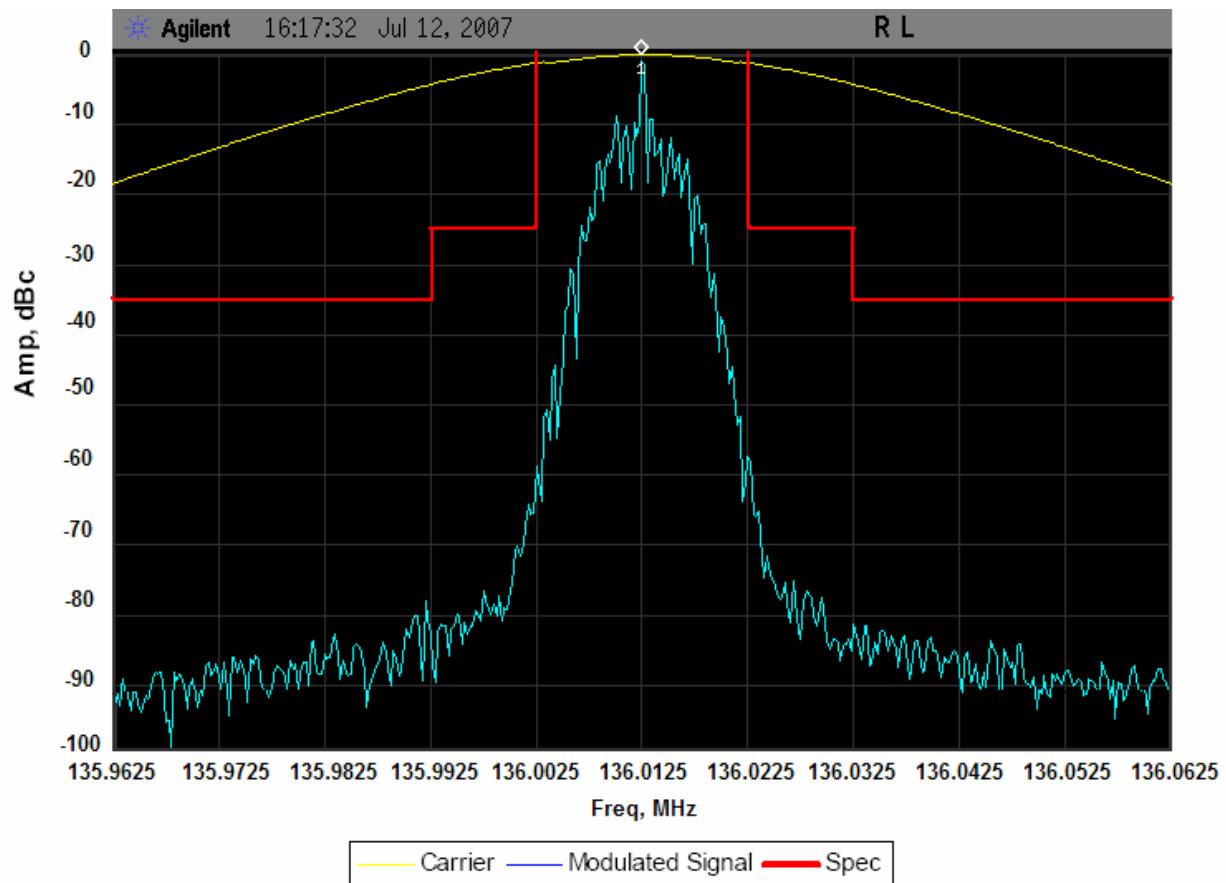
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



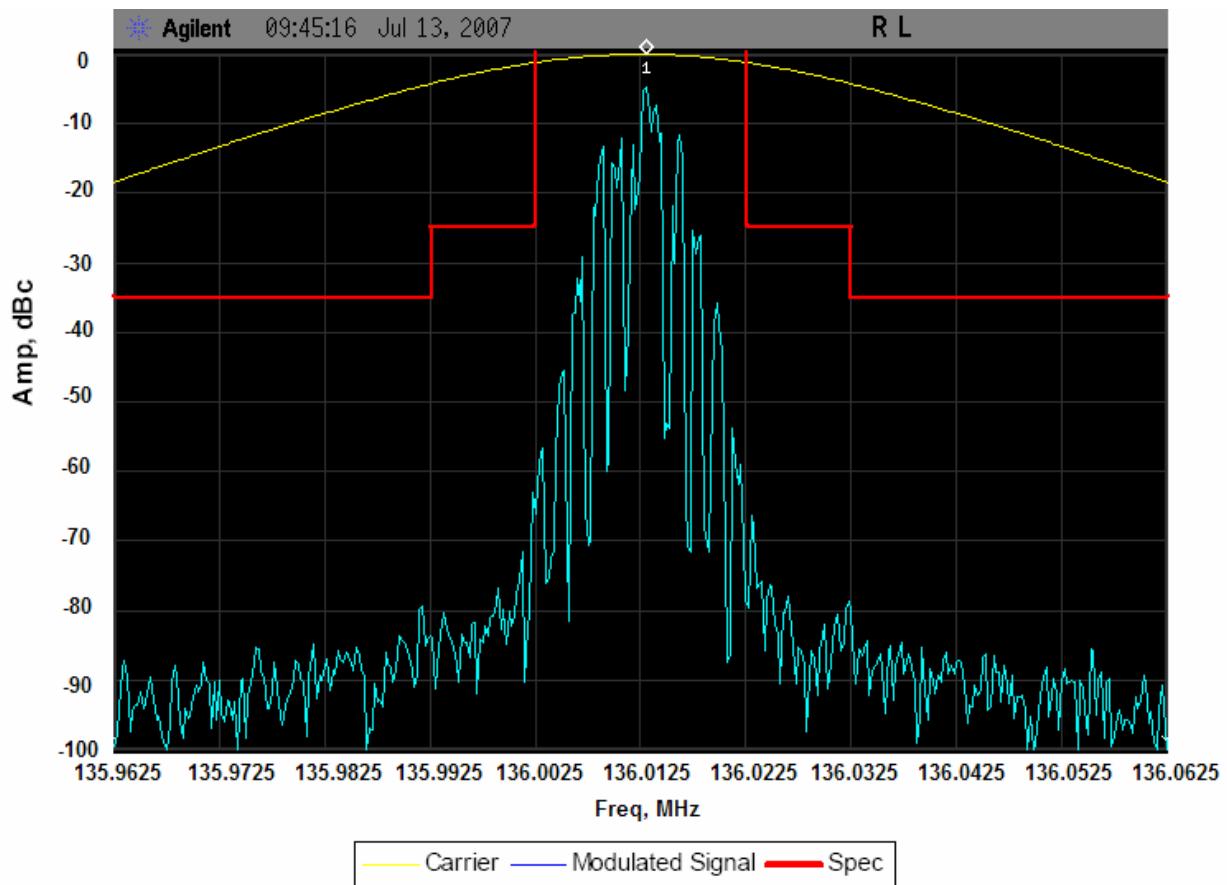
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



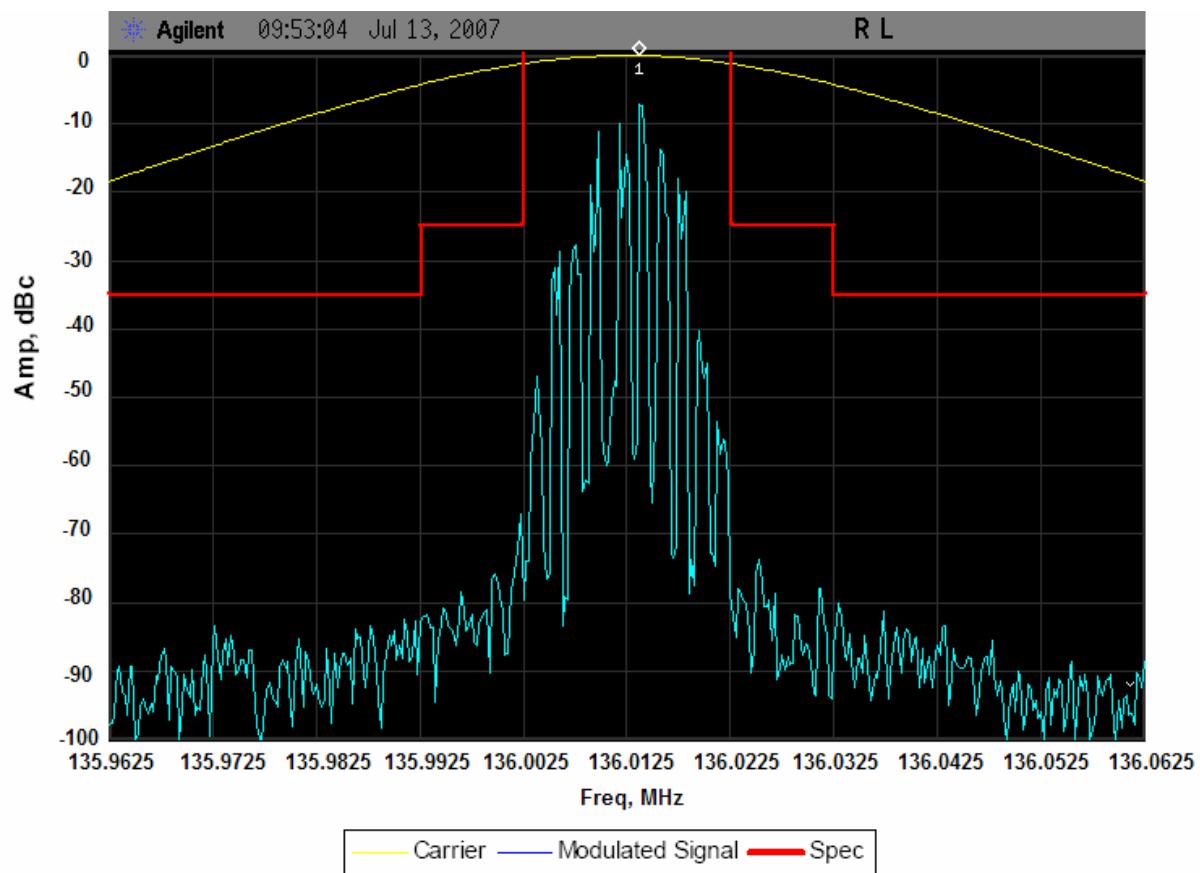
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



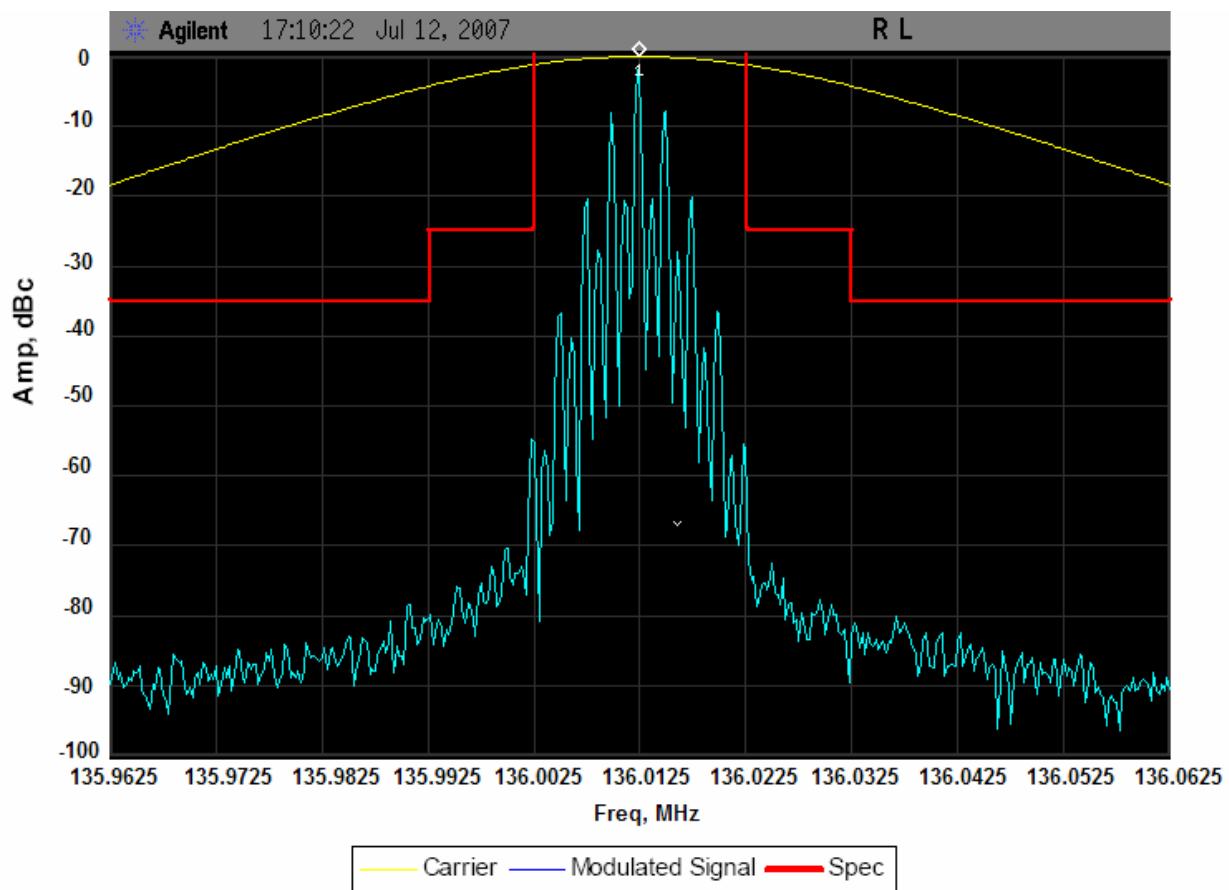
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



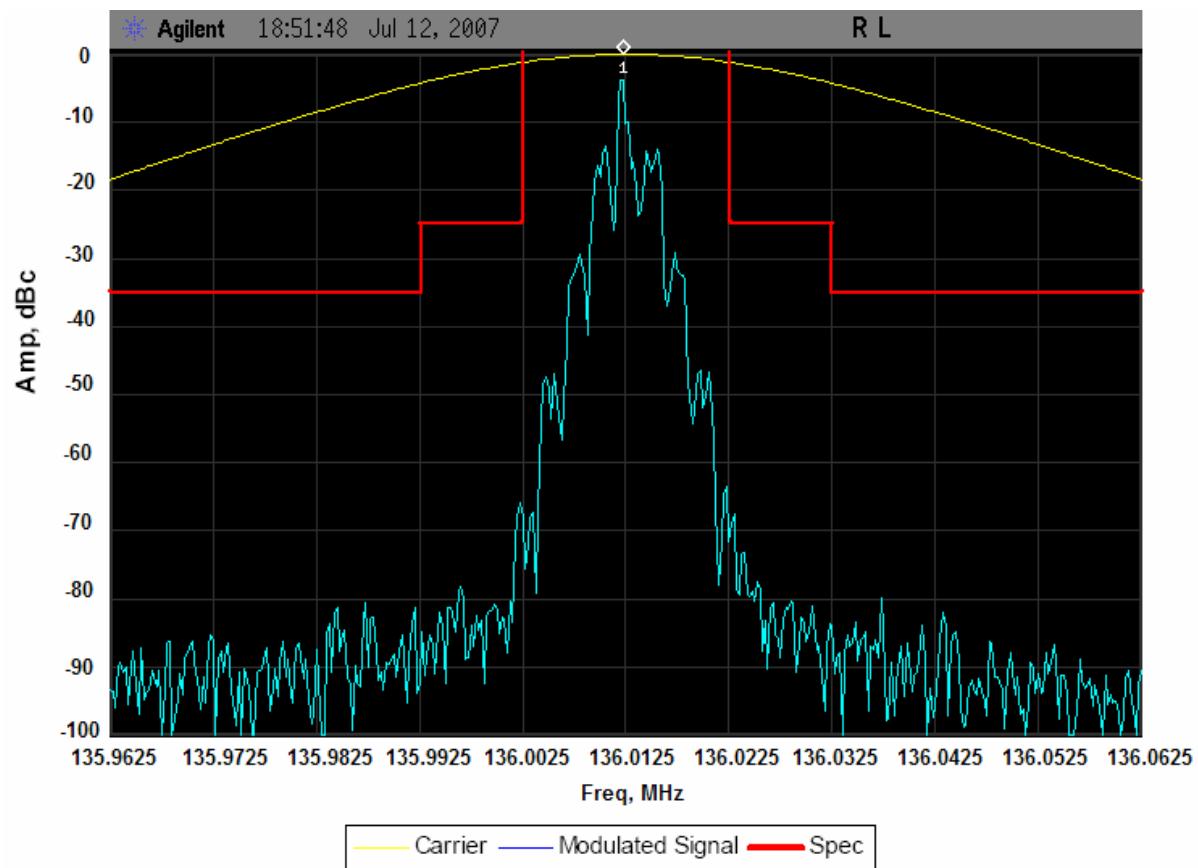
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



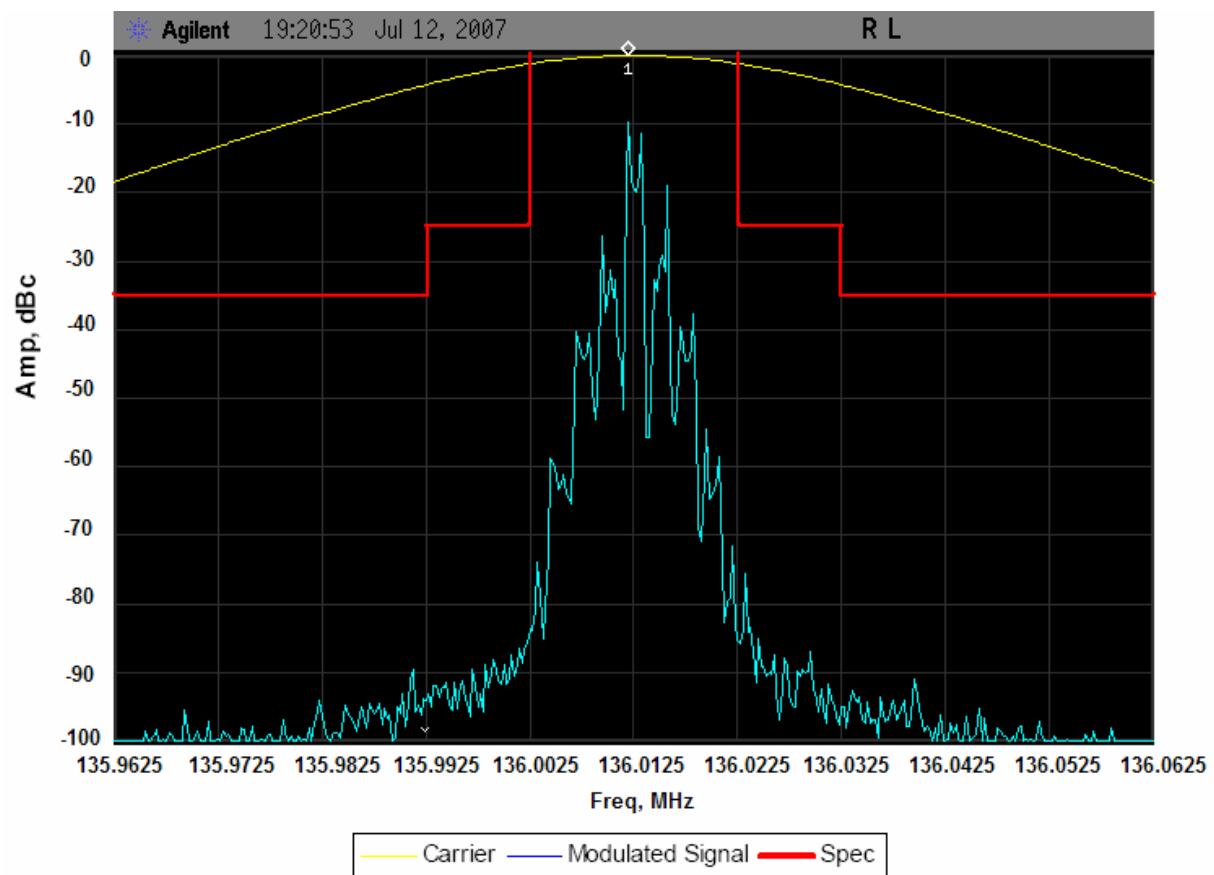
CENTER FREQUENCY:	136.0125 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



CENTER FREQUENCY:	136.0125 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 = 4.6 Watts
ATTENUATION:	30 dB

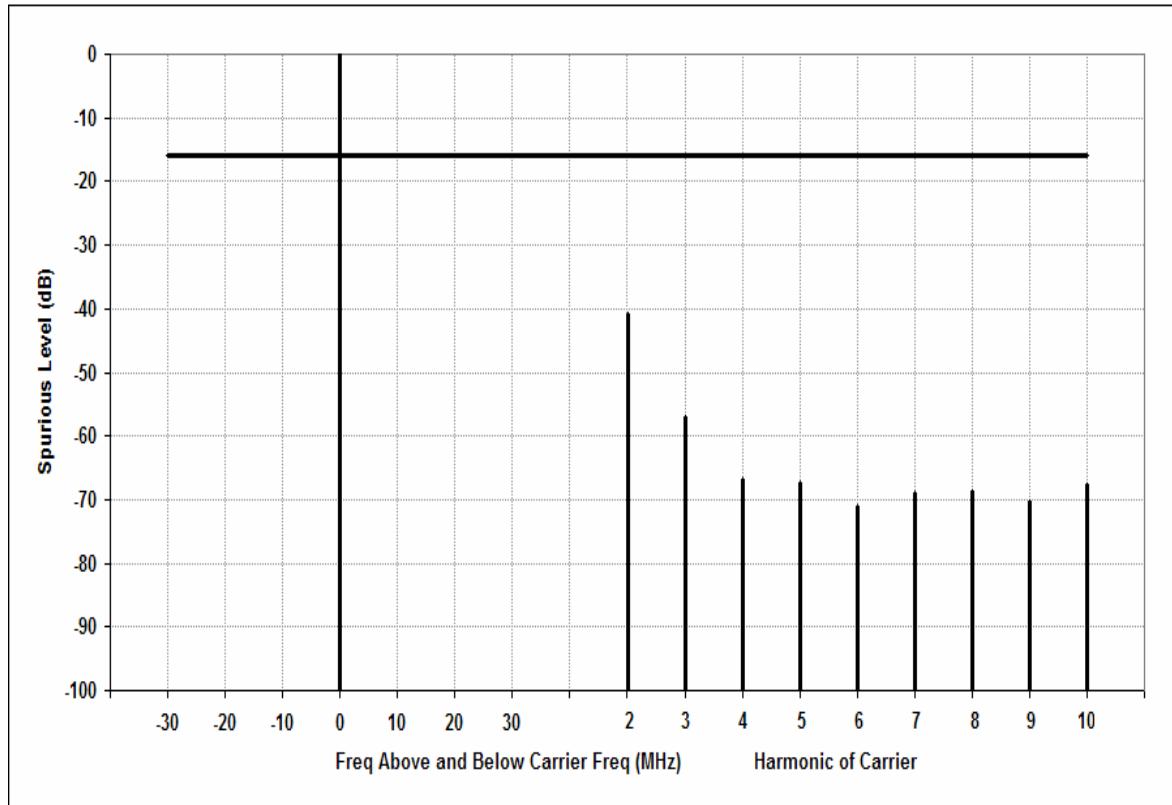
**OCCUPIED BANDWIDTH MEASUREMENT FOR
25 kHz CHANNEL SPACING, 2000/3000 Hz FSK, DPL 131
EMISSION MASK: B**



CENTER FREQUENCY:	136.0125 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 = 4.6 Watts
ATTENUATION:	30 dB

**CONDUCTED SPURIOUS EMISSIONS
HIGH POWER, 136.0125 MHz**

Power Output: 30.00W at 136.012MHz



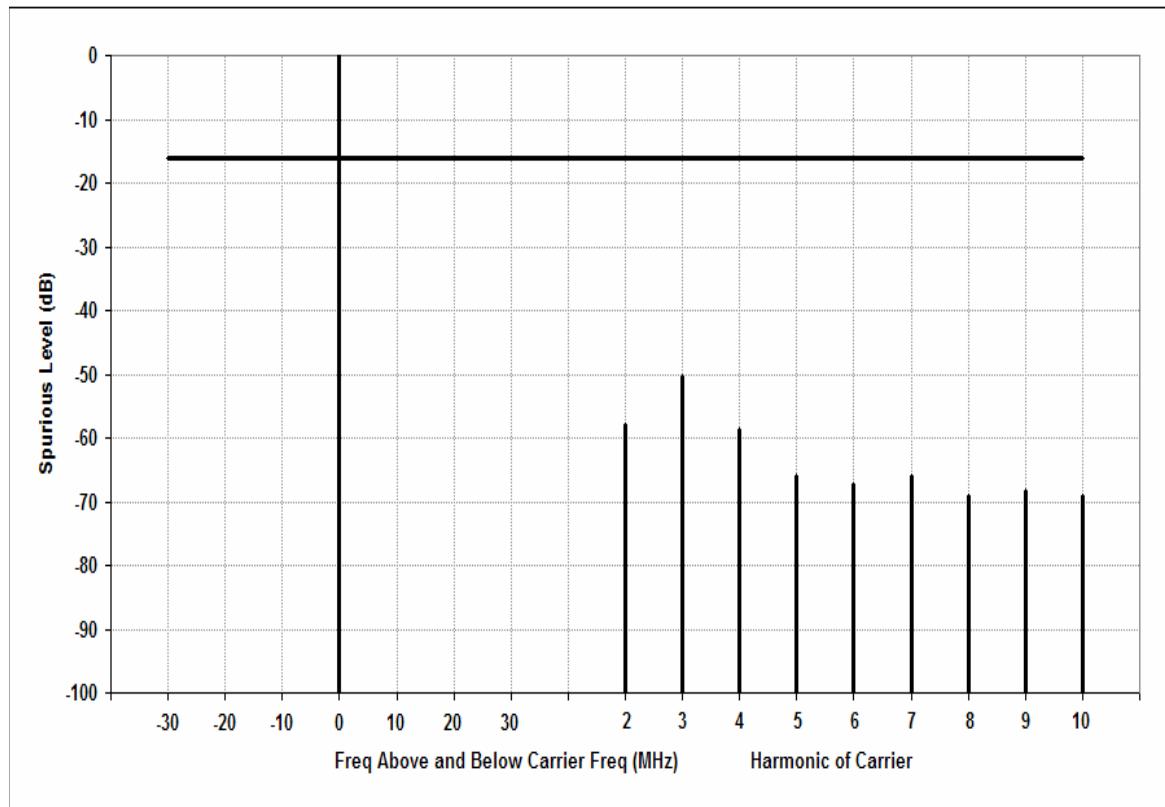
The conducted spurious level is plotted in dBm on the vertical axis.

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, 153.0125 MHz**

Power Output: 30.00W at 153.012MHz



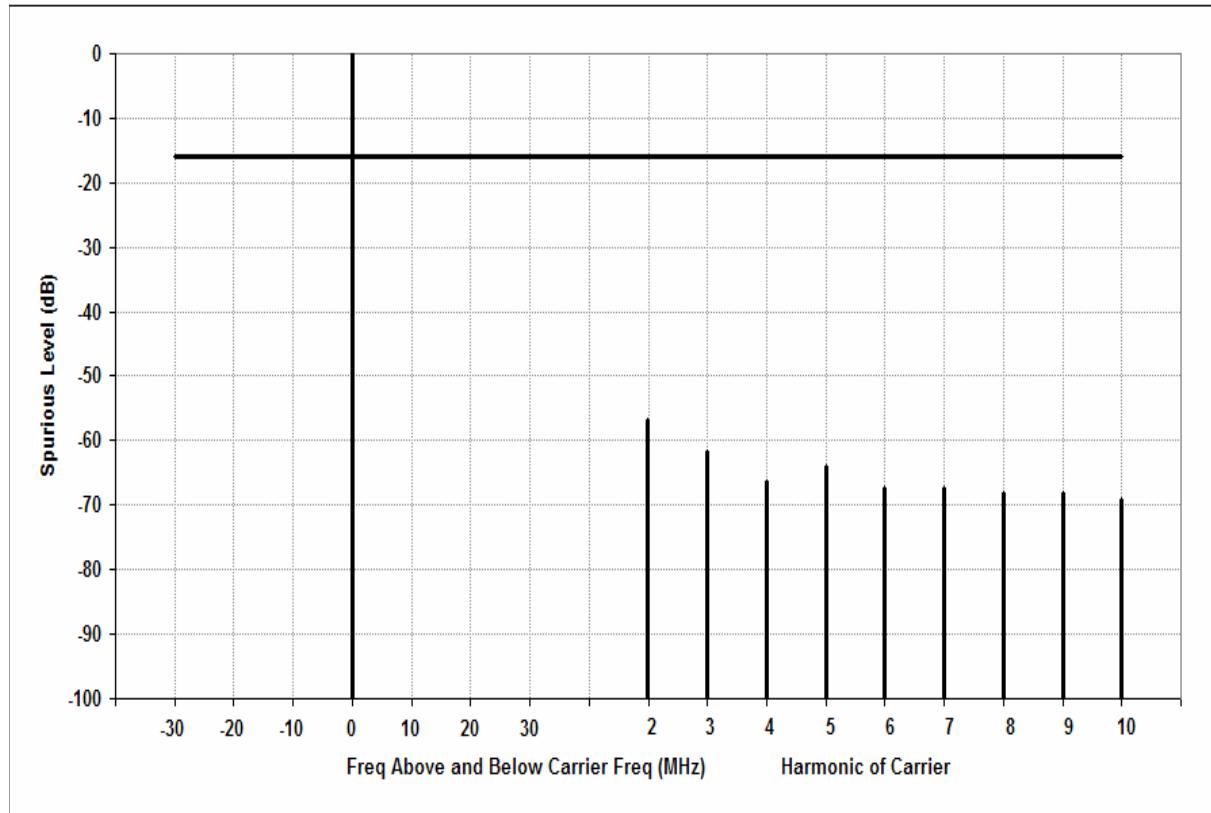
The conducted spurious level is plotted in dBm on the vertical axis.

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, 173.9875 MHz**

Power Output: 30.00W at 173.987MHz



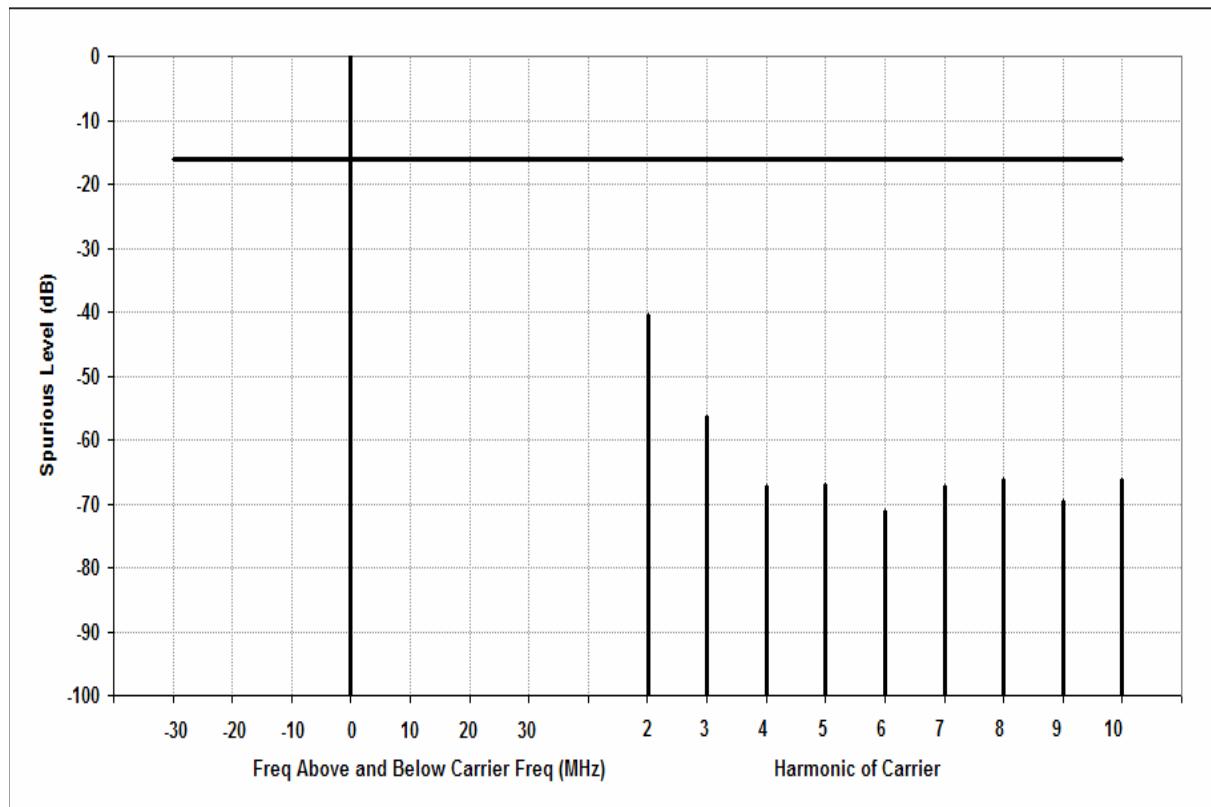
The conducted spurious level is plotted in dBm on the vertical axis.

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, 136.0125 MHz**

Power Output: 1.00W at 136.012MHz



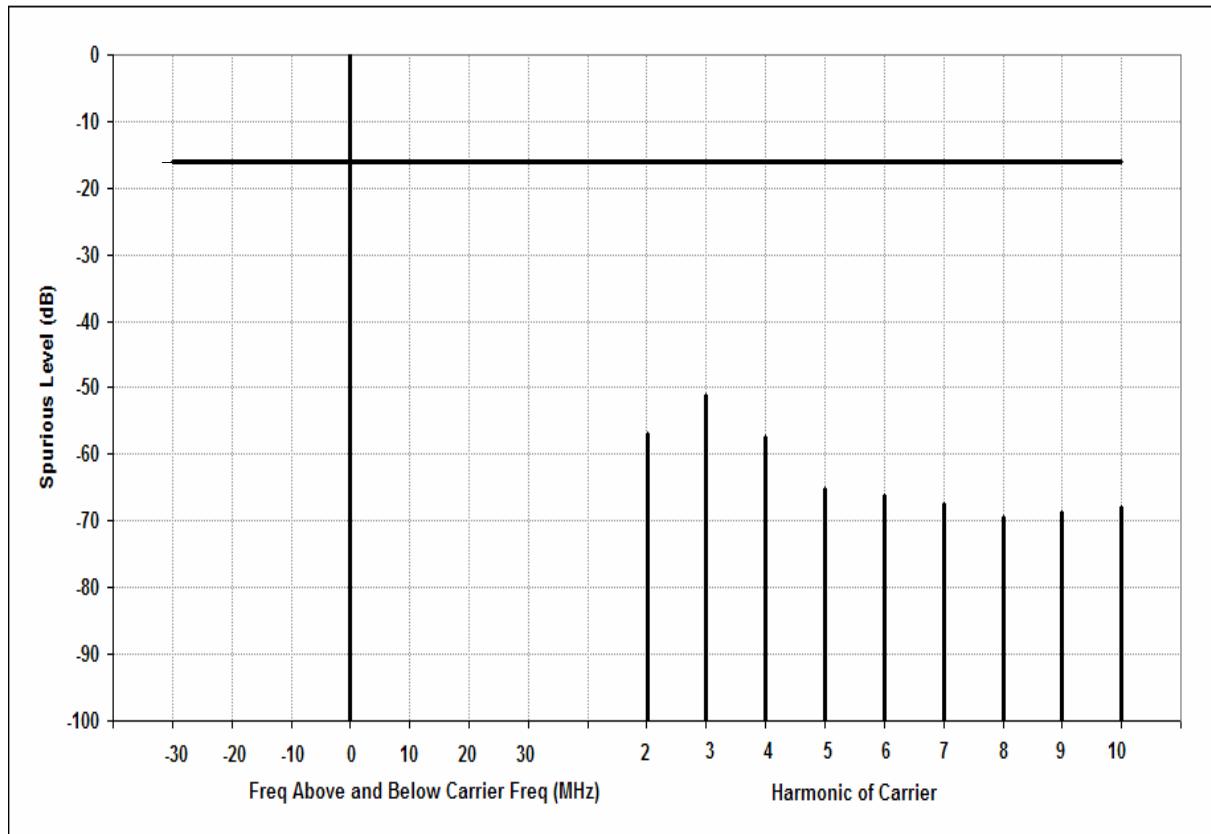
The conducted spurious level is plotted in dBm on the vertical axis.

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, 153.0125 MHz**

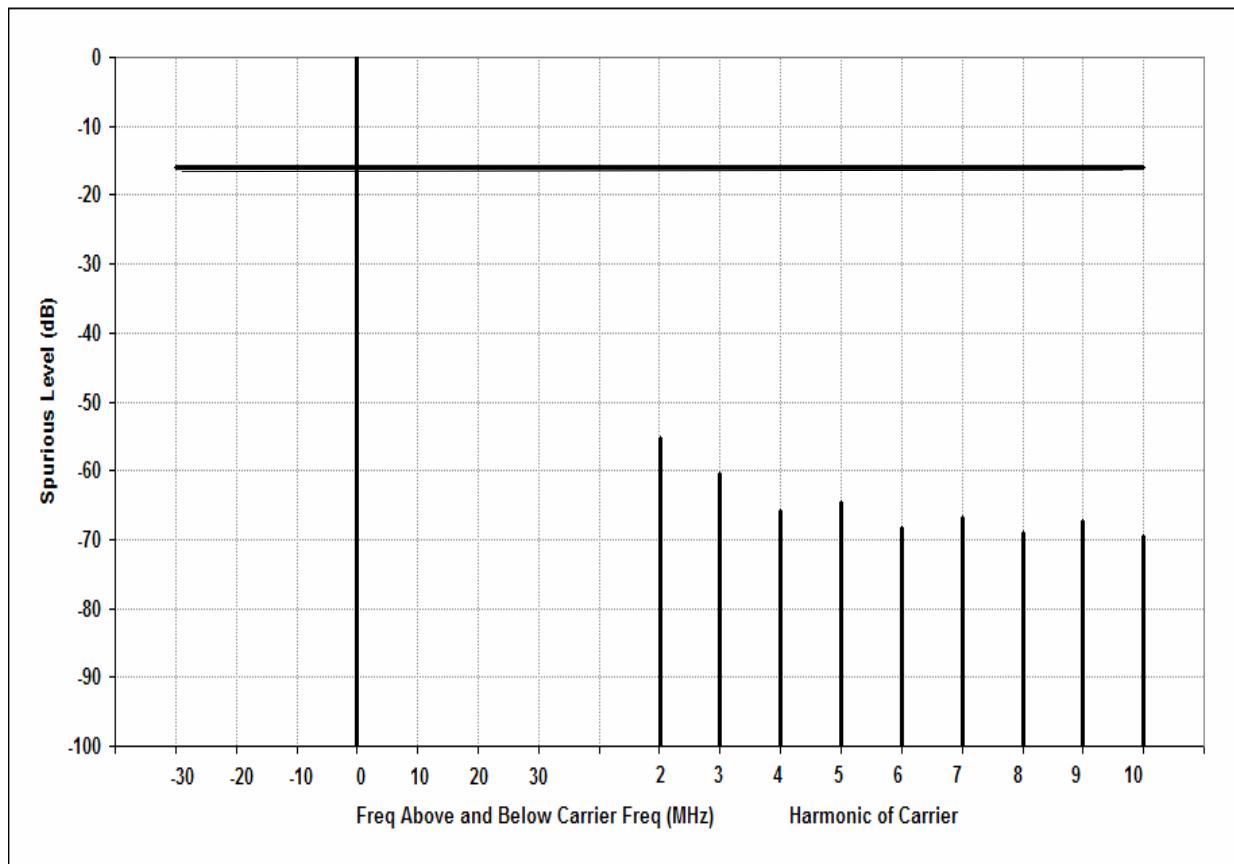
Power Output: 1.00W at 153.012MHz



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, 173.9875 MHz**

Power Output: 1.00W at 173.987MHz



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

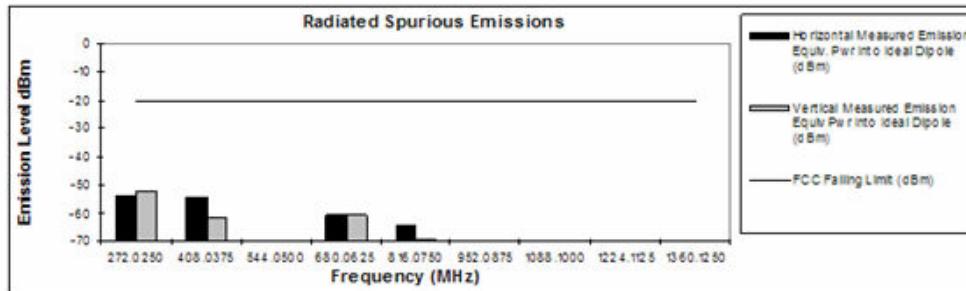
The specification for conducted spurious emissions is -16 dBm.

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

Transmit Radiated Spurious Emissions: Morpheus XPR 4550

Tx Power: 30 Watts

136.0125 MHz		Channel Spacing 12.5kHz S/N 038THL0219	
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	-53.53	-51.89
408.0375	-20	-54.48	-61.86
544.0500	-20	*	*
680.0625	-20	-60.88	-60.97
816.0750	-20	-64.71	-69.35
952.0875	-20	-75.17	-72.74
1088.1000	-20	*	*
1224.1125	-20	*	-70.30
1360.1250	-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 Plantation EMC Lab – Test Performed by: Curt Mc Lennan
FCC Registration: 91932 / Industry Canada: IC3679A-1

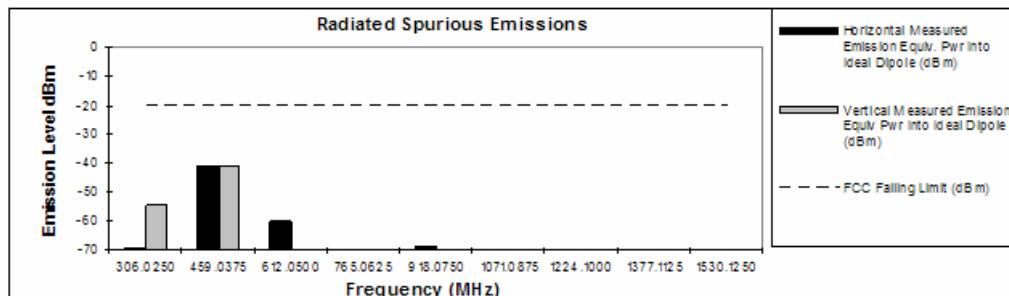
July 18, 2007

EXHIBIT 6G-1

Transmit Radiated Spurious Emissions: Morpheus XPR 4550

Tx Power: 30 Watts

153.0125 MHz		Channel Spacing 12.5kHz S/N 038THL0219	
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	-69.40	-54.55
459.0375	-20	-41.24	-40.85
612.0500	-20	-60.38	-72.32
765.0625	-20	*	*
918.0750	-20	-68.84	*
1071.0875	-20	-71.96	*
1224.1000	-20	-72.65	*
1377.1125	-20	*	*
1530.1250	-20	-70.53	*



* 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: IC3679A-1

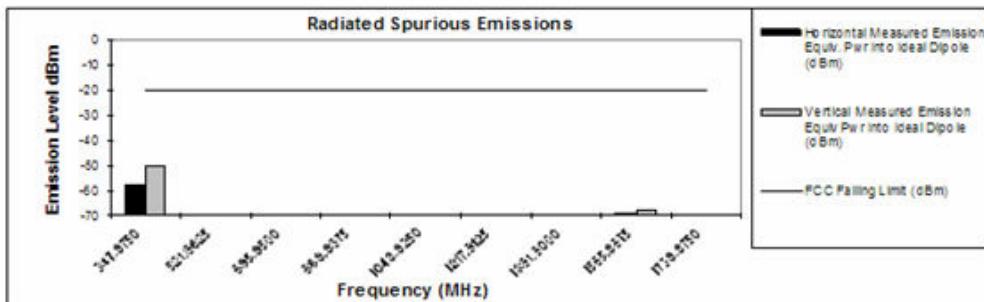
July 18, 2007

EXHIBIT 6G-2

Transmit Radiated Spurious Emissions: Morpheus XPR 4550

Tx Power: 30 Watts

173.9875 MHz		Channel Spacing 12.5kHz S/N 038THL0219	
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	-57.75	-49.91
521.9625	-20	*	*
695.9500	-20	*	*
869.9375	-20	*	*
1043.9250	-20	-69.90	*
1217.9125	-20	-72.03	-69.87
1391.9000	-20	*	*
1565.8875	-20	-69.05	-67.64
1739.8750	-20	*	*



* 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: IC3679A-1

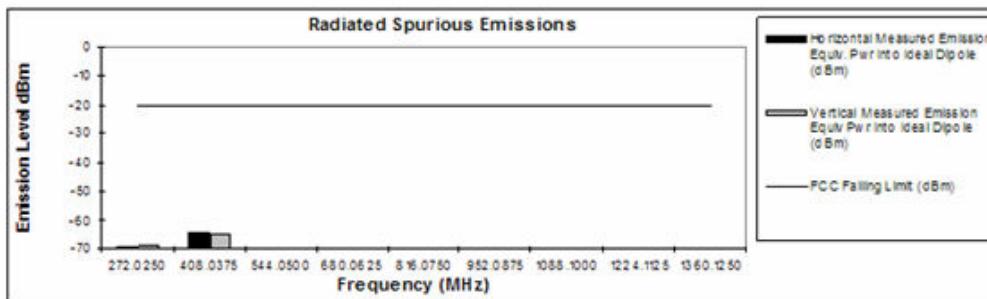
July 18, 2007

EXHIBIT 6G-3

Transmit Radiated Spurious Emissions: Morpheus XPR 4550

Tx Power: 1 Watts

136.0125 MHz		Channel Spacing 12.5kHz S/N 038THL0219	
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	-69.38	-68.65
408.0375	-20	-64.53	-65.04
544.0500	-20	*	*
680.0625	-20	*	*
816.0750	-20	*	*
952.0875	-20	*	*
1088.1000	-20	*	*
1224.1125	-20	*	*
1360.1250	-20	*	*



* 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: IC3679A-1

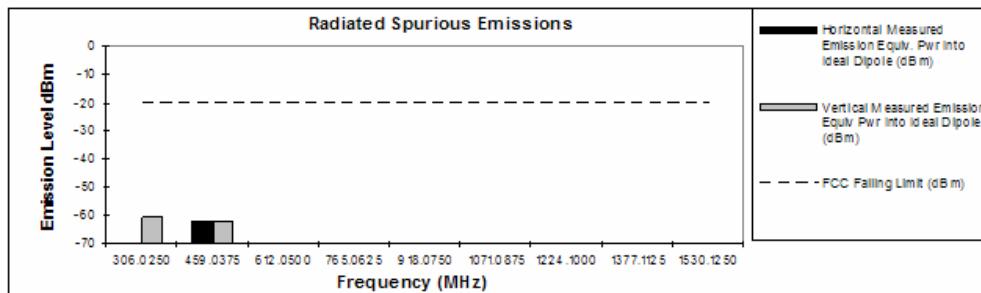
July 18, 2007

EXHIBIT 6G-4

Transmit Radiated Spurious Emissions: Morpheus XPR 4550

Tx Power: 1 Watts

153.0125 MHz		Channel Spacing 12.5kHz S/N 038THL0219	
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	-73.51	-60.75
459.0375	-20	-62.56	-62.12
612.0500	-20	-74.22	-71.90
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 Plantation EMC Lab – Test Performed by: Curt Mc Lennan
FCC Registration: 91932 / Industry Canada: IC3679A-1

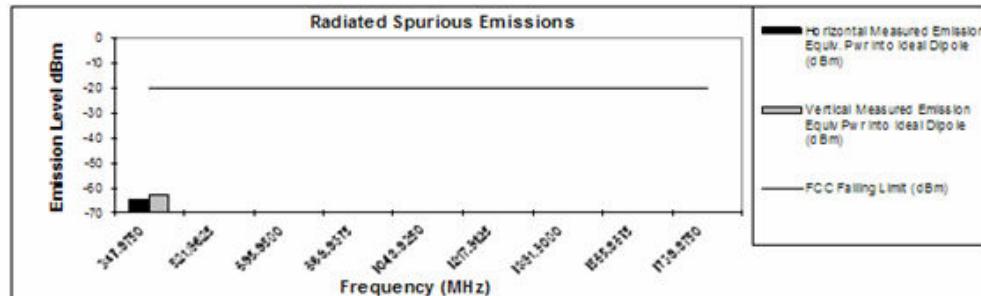
July 18, 2007

EXHIBIT 6G-5

Transmit Radiated Spurious Emissions: Morpheus XPR 4550

Tx Power: 1 Watts

173.9875 MHz		Channel Spacing 12.5kHz S/N 038THL0219	
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	-64.34	-62.83
521.9625	-20	*	*
695.9500	-20	*	*
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: IC3679A-1

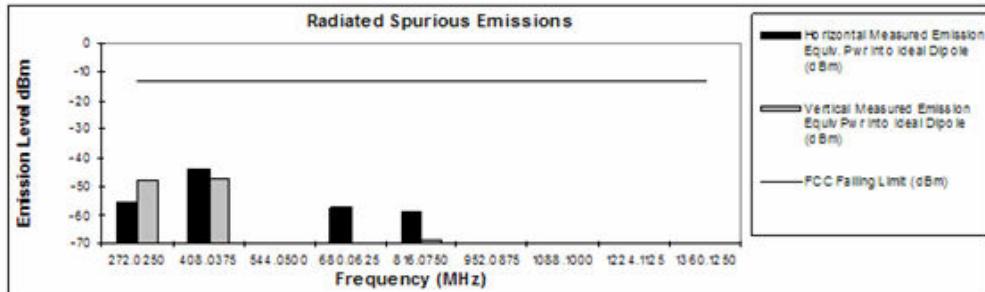
July 18, 2007

EXHIBIT 6G-6

Transmit Radiated Spurious Emissions: Morpheus XPR 4550

Tx Power: 30 Watts

136.0125 MHz		Channel Spacing 25kHz S/N 038THL0219	
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	-55.52	-47.83
408.0375	-13	-44.15	-47.26
544.0500	-13	*	*
680.0625	-13	-57.67	*
816.0750	-13	-59.37	-68.79
952.0875	-13	-74.15	-74.09
1088.1000	-13	*	*
1224.1125	-13	*	*
1360.1250	-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.

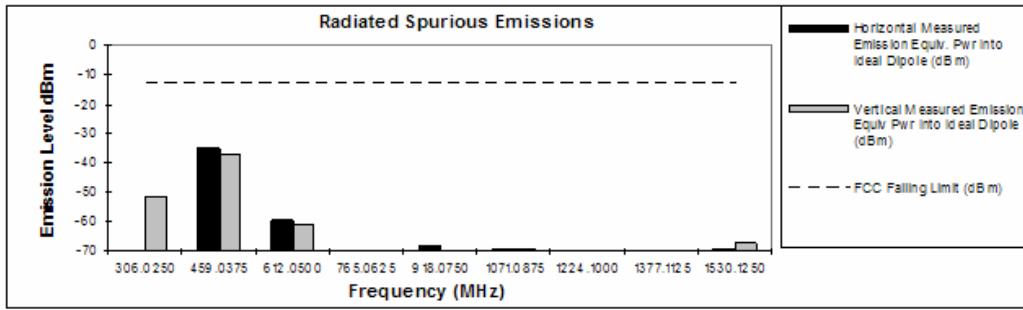
Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan
FCC Registration: 91932 / Industry Canada: IC3679A-1

July 18, 2007

EXHIBIT 6G-7

Transmit Radiated Spurious Emissions: Morpheus XPR 4550
Tx Power: 30 Watts

153.0125 MHz		Channel Spacing 25kHz S/N 038THL0219	
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	-69.73	-51.61
459.0375	-13	-35.03	-37.38
612.0500	-13	-59.34	-61.12
765.0625	-13	*	*
918.0750	-13	-68.63	*
1071.0875	-13	-69.40	-69.37
1224.1000	-13	-70.37	*
1377.1125	-13	*	*
1530.1250	-13	-69.57	-67.17



* 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: IC3679A-1

July 18, 2007

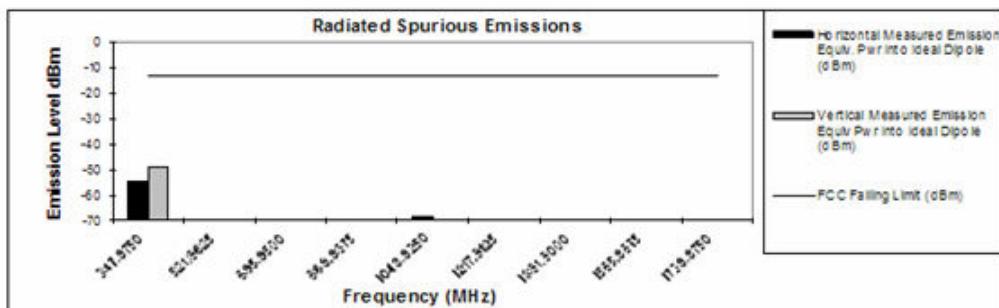
EXHIBIT 6G-8

Transmit Radiated Spurious Emissions: Morpheus XPR 4550
 Tx Power: 30 Watts

173.9875 MHz

Channel Spacing 25kHz | S/N 038THL0219

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	-54.38	-48.77
521.9625	-13	*	*
695.9500	-13	*	*
869.9375	-13	*	*
1043.9250	-13	-68.39	-72.42
1217.9125	-13	-70.36	-71.54
1391.9000	-13	*	*
1565.8875	-13	-69.09	*
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: IC3679A-1

July 18, 2007

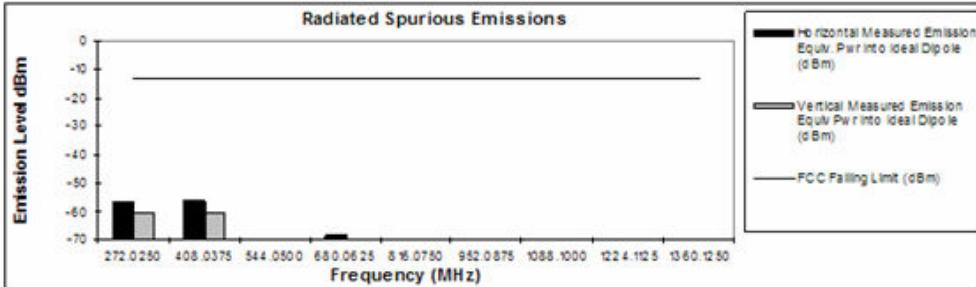
EXHIBIT 6G-9

Transmit Radiated Spurious Emissions: Morpheus XPR 4550
 Tx Power: 1 Watts

136.0125 MHz

Channel Spacing 25kHz | S/N 038THL0219

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	-57.02	-60.89
408.0375	-13	-56.18	-60.79
544.0500	-13	*	*
680.0625	-13	-68.36	*
816.0750	-13	*	*
952.0875	-13	*	*
1088.1000	-13	*	*
1224.1125	-13	*	*
1360.1250	-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: IC3679A-1

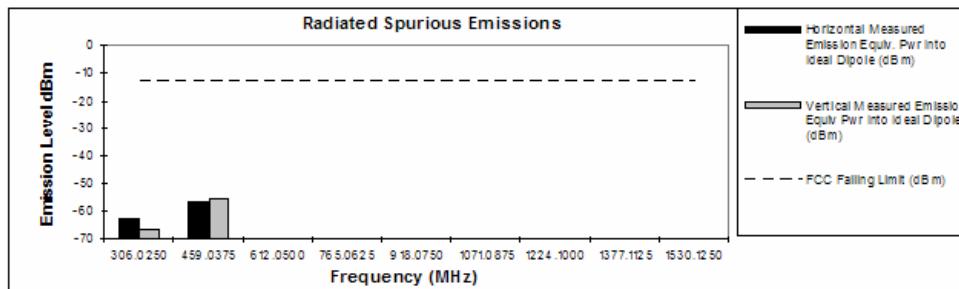
July 18, 2007

EXHIBIT 6G-10

Transmit Radiated Spurious Emissions: Morpheus XPR 4550

Tx Power: 1 Watts

153.0125 MHz		Channel Spacing 25kHz S/N 038THL0219	
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	-62.97	-66.73
459.0375	-13	-56.79	-55.87
612.0500	-13	-71.72	-71.15
765.0625	-13	*	*
918.0750	-13	*	*
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 ambient.

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

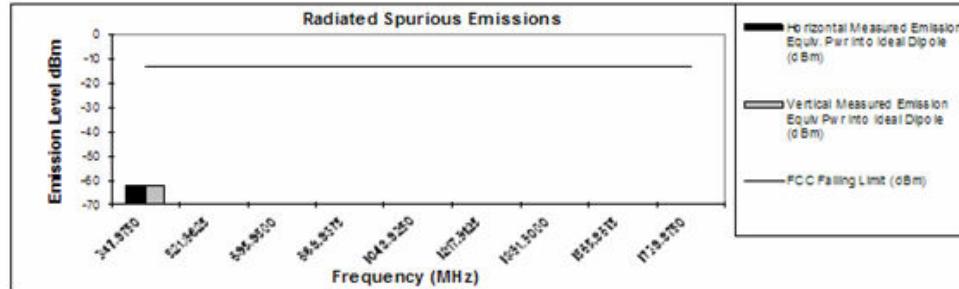
Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan
FCC Registration: 91932 / Industry Canada: IC3679A-1

July 18, 2007

EXHIBIT 6G-11

Transmit Radiated Spurious Emissions: Morpheus XPR 4550
Tx Power: 1 Watts

173.9875 MHz		Channel Spacing 25kHz S/N 038THL0219	
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	-61.84	-62.24
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.

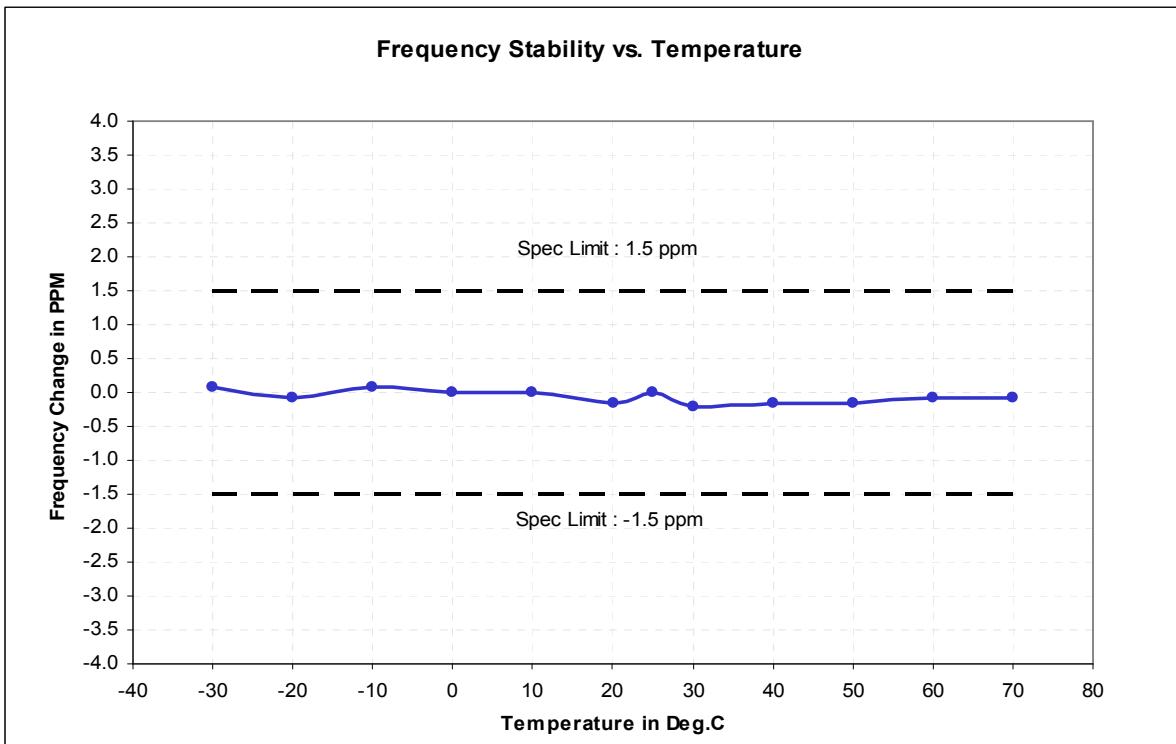
The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan
FCC Registration: 91932 / Industry Canada: IC3679A-1

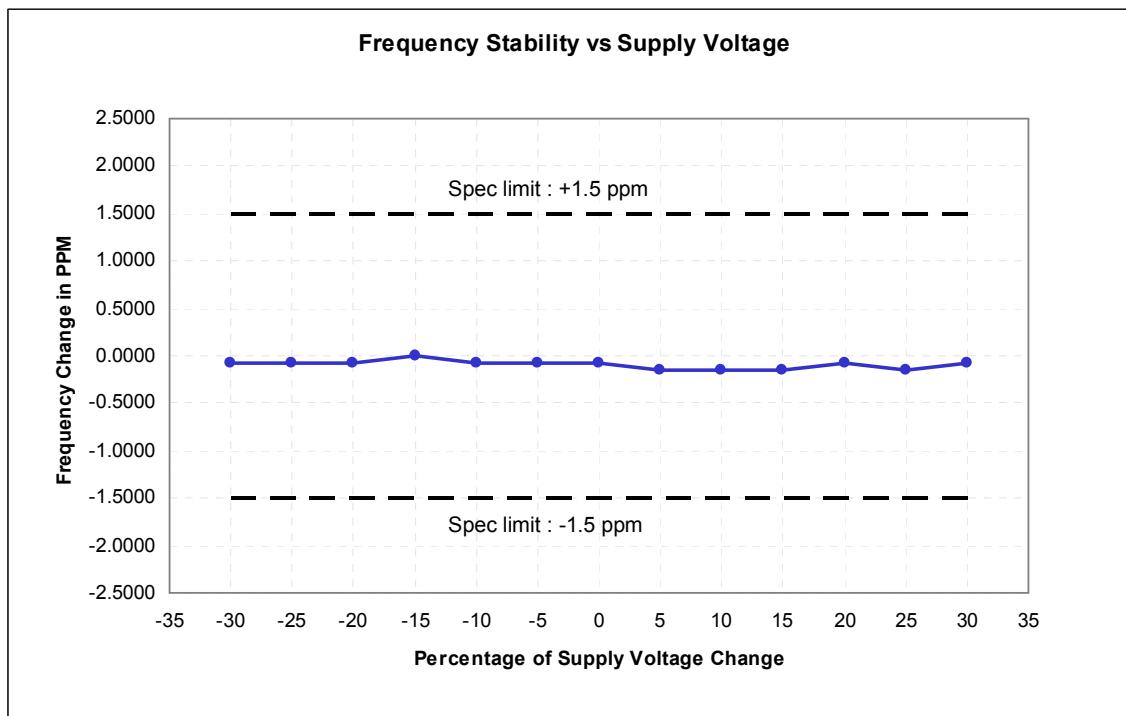
July 18, 2007

EXHIBIT 6G-12

FREQUENCY STABILITY VS. TEMPERATURE
SPECIFIED LIMITS: ±1.5 PPM (-30 TO +70 DEGREES C)



FREQUENCY STABILITY VS. SUPPLY VOLTAGE



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

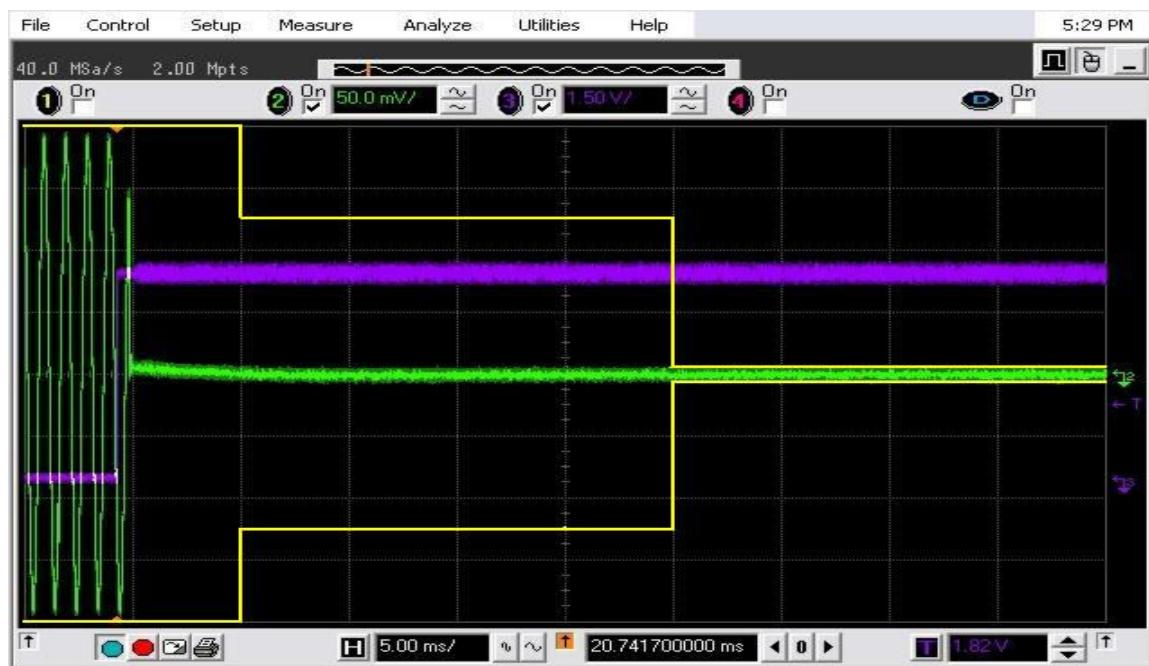


EXHIBIT 6I-1

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

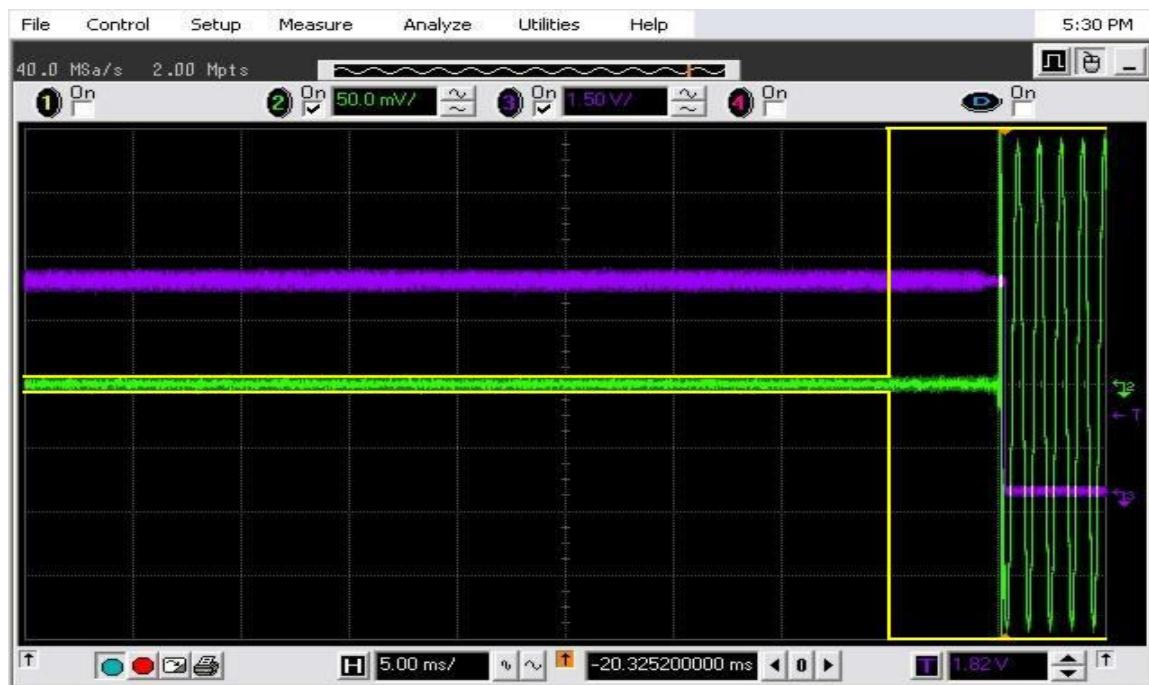


EXHIBIT 6I-2

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

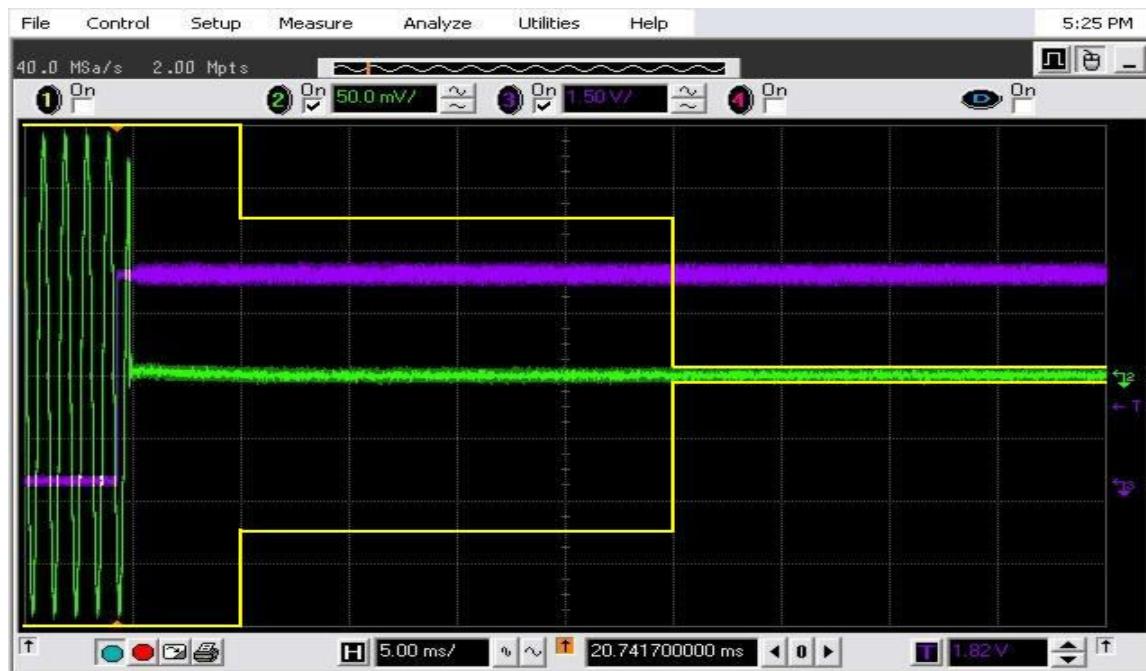


EXHIBIT 6I-3

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

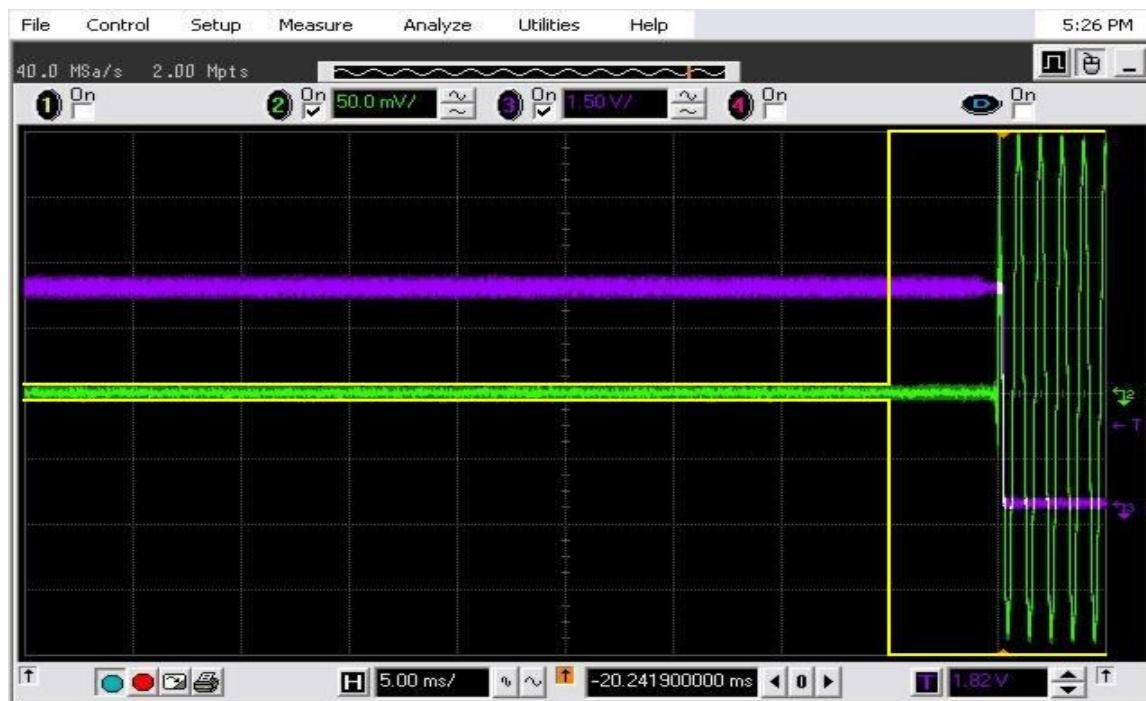


EXHIBIT 6I-4

**TRANSIENT FREQUENCY BEHAVIOR
1 WATT, 12.5 kHz, KEY-UP ATTACK TIME**

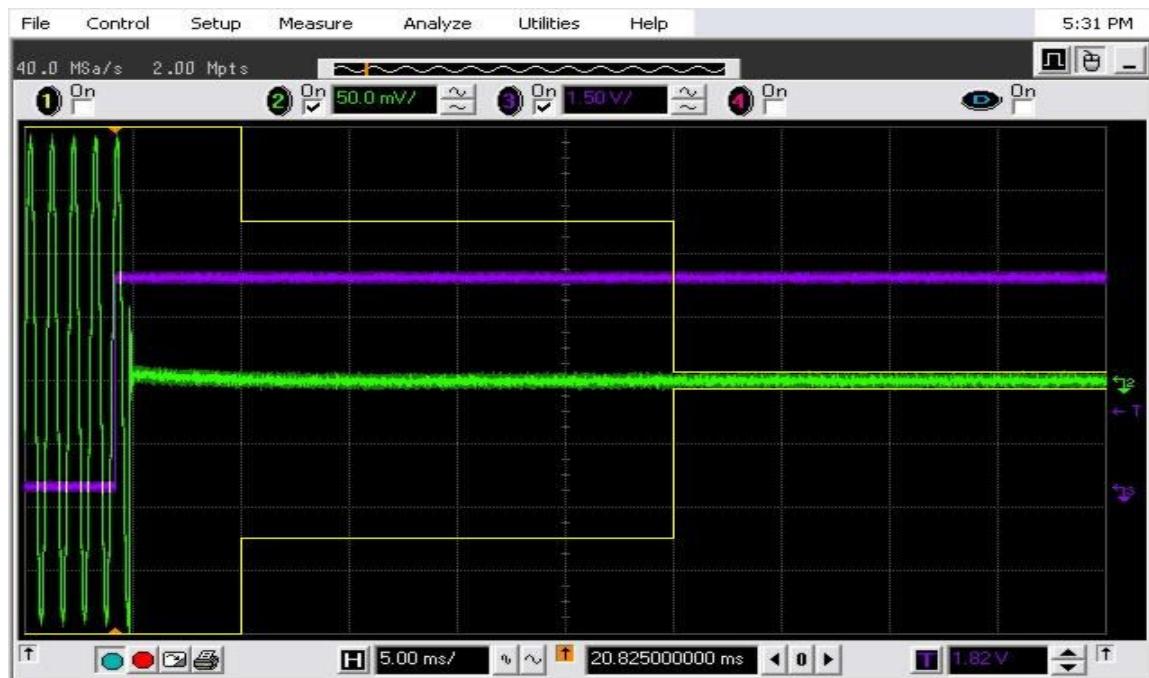


EXHIBIT 6I-5

**TRANSIENT FREQUENCY BEHAVIOR
1 WATT, 12.5 kHz, DE-KEY DECAY TIME**

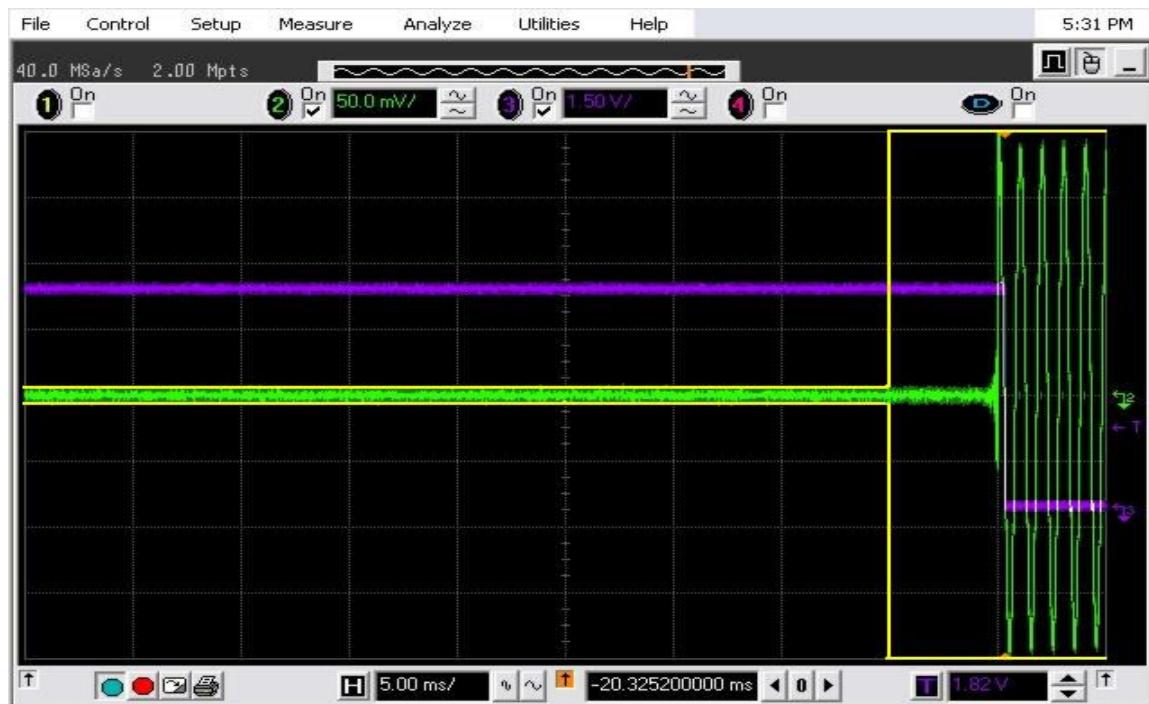


EXHIBIT 6I-6

TRANSIENT FREQUENCY BEHAVIOR
1 WATT, 25 kHz, KEY-UP ATTACK TIME

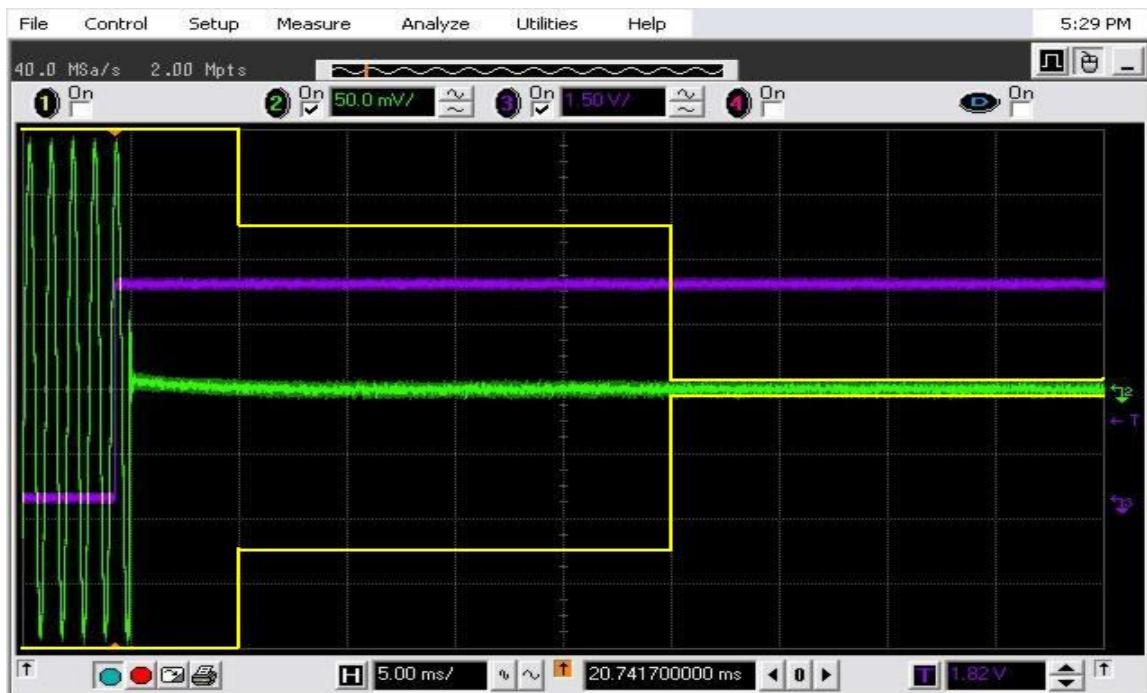


EXHIBIT 6I-7

TRANSIENT FREQUENCY BEHAVIOR
1 WATT, 25 kHz, DE-KEY DECAY TIME

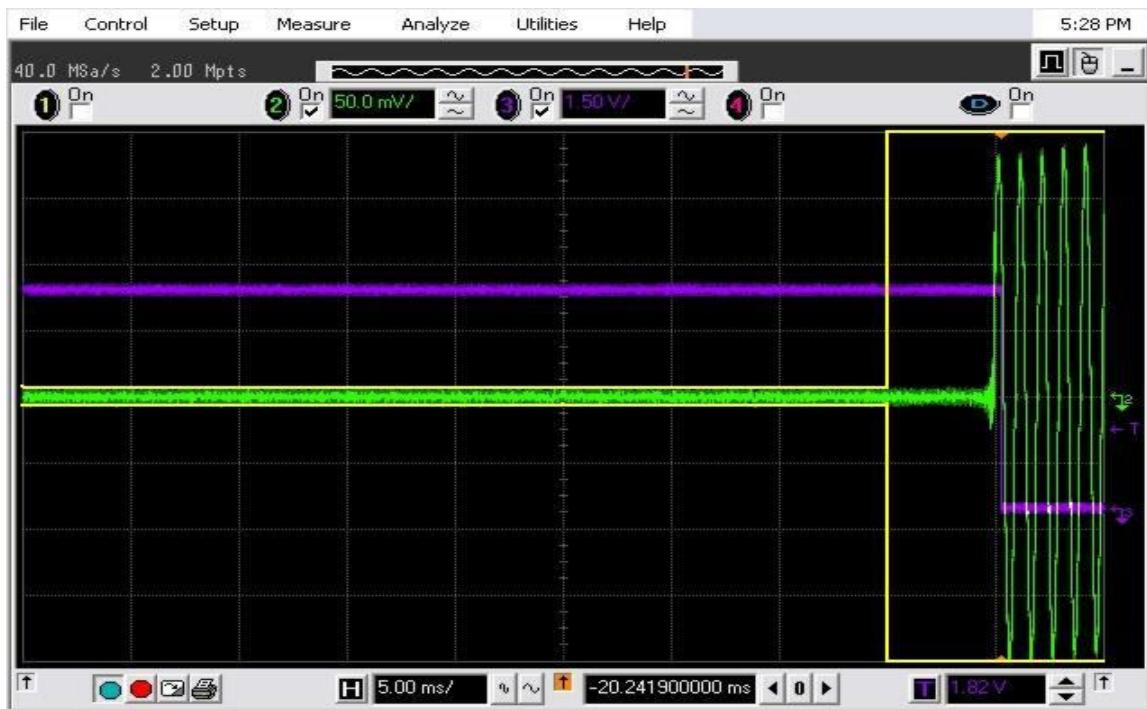


EXHIBIT 6I-8