

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 (18 Spectrum Analyzer Plots)

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- 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
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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 – 25 kHz 2500 Hz Audio Modulation Only
- 6E-11 – 25 kHz 2500 Hz Audio and TPL (CTCSS) Modulation
- 6E-12 – 25 kHz 2500 Hz Audio and DPL (CDCSS) Modulation
- 6E-13 – 25 kHz DTMF Modulation Only
- 6E-14 – 25 kHz DTMF Modulation and TPL (CTCSS) Modulation
- 6E-15 – 25 kHz DTMF Modulation and DPL (CDCSS) Modulation
- 6E-16 – 25 kHz 2000/3000 Hz FSK Data Modulation Only
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EXHIBIT 6F - Conducted Spurious Emissions (6 Graphs)

- 6F-1 – 4.6 Watts, 465.025 MHz
- 6F-2 – 4.6 Watts, 480.025 MHz
- 6F-3 – 4.6 Watts, 494.850 MHz
- 6F-4 – 1 Watt, 465.150 MHz
- 6F-5 – 1 Watt, 480.150 MHz
- 6F-6 – 1 Watt, 494.975 MHz

INDEX OF SUBMITTED MEASURED DATA (CONTINUED)

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- 6G-1 – 4.6 Watts, 465.0125 MHz and 480.0125 MHz
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- 6G-3 – 1 Watt, 465.0125 MHz and 480.0125 MHz
- 6G-4 – 1 Watt, 494.9875 MHz

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

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- 6I-1 – 4.6 Watts, 12.5 kHz Key-Up Attack Time
- 6I-2 – 4.6 Watts, 12.5 kHz De-Key Decay Time
- 6I-3 – 4.6 Watts, 25 kHz Key-Up Attack Time
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- 6I-5 – 1 Watt, 12.5 kHz Key-Up Attack Time
- 6I-6 – 1 Watt, 12.5 kHz De-Key Decay Time
- 6I-7 – 1 Watt, 25 kHz Key-Up Attack Time
- 6I-8 – 1 Watt, 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 465.000 MHz

Measured RF Output Power:	4.60 Watts
Measured DC Voltage:	7.50 Volts
Measured DC Input Current:	1.74 Amperes
Measured DC Input Power:	13.05 Watts

LOW POWER SETTING, FREQUENCY 465.000 MHz

Measured RF Output Power:	1.00 Watt
Measured DC Voltage:	7.50 Volts
Measured DC Input Current:	0.80 Amperes
Measured DC Input Power:	6.0 Watts

HIGH POWER SETTING, FREQUENCY 480.000 MHz

Measured RF Output Power:	4.60 Watts
Measured DC Voltage:	7.50 Volts
Measured DC Input Current:	1.66 Amperes
Measured DC Input Power:	12.45 Watts

LOW POWER SETTING, FREQUENCY 480.000 MHz

Measured RF Output Power:	1.00 Watt
Measured DC Voltage:	7.50 Volts
Measured DC Input Current:	0.750 Amperes
Measured DC Input Power:	5.63 Watts

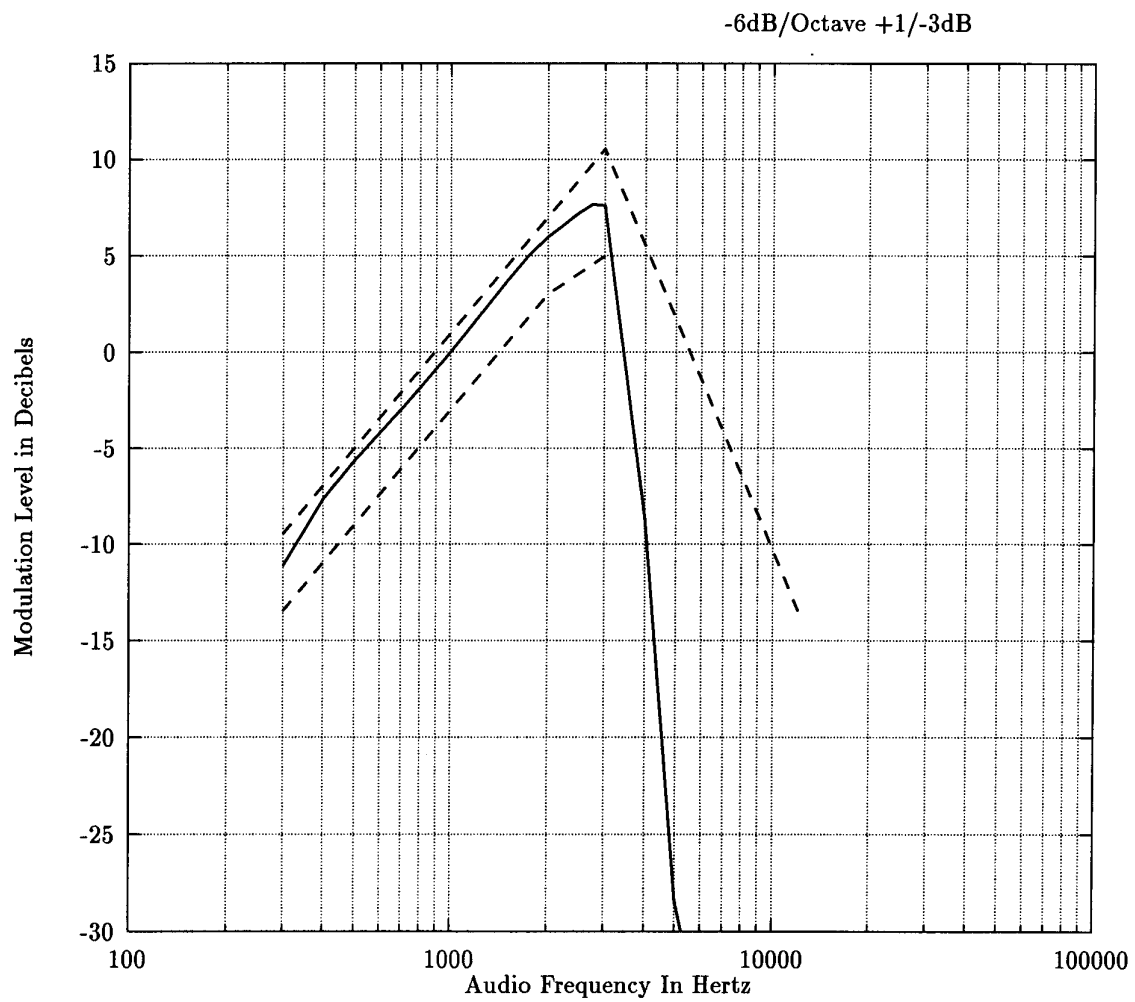
HIGH POWER SETTING, FREQUENCY 495.000 MHz

Measured RF Output Power:	4.60 Watts
Measured DC Voltage:	7.50 Volts
Measured DC Input Current:	1.64 Amperes
Measured DC Input Power:	12.30 Watts

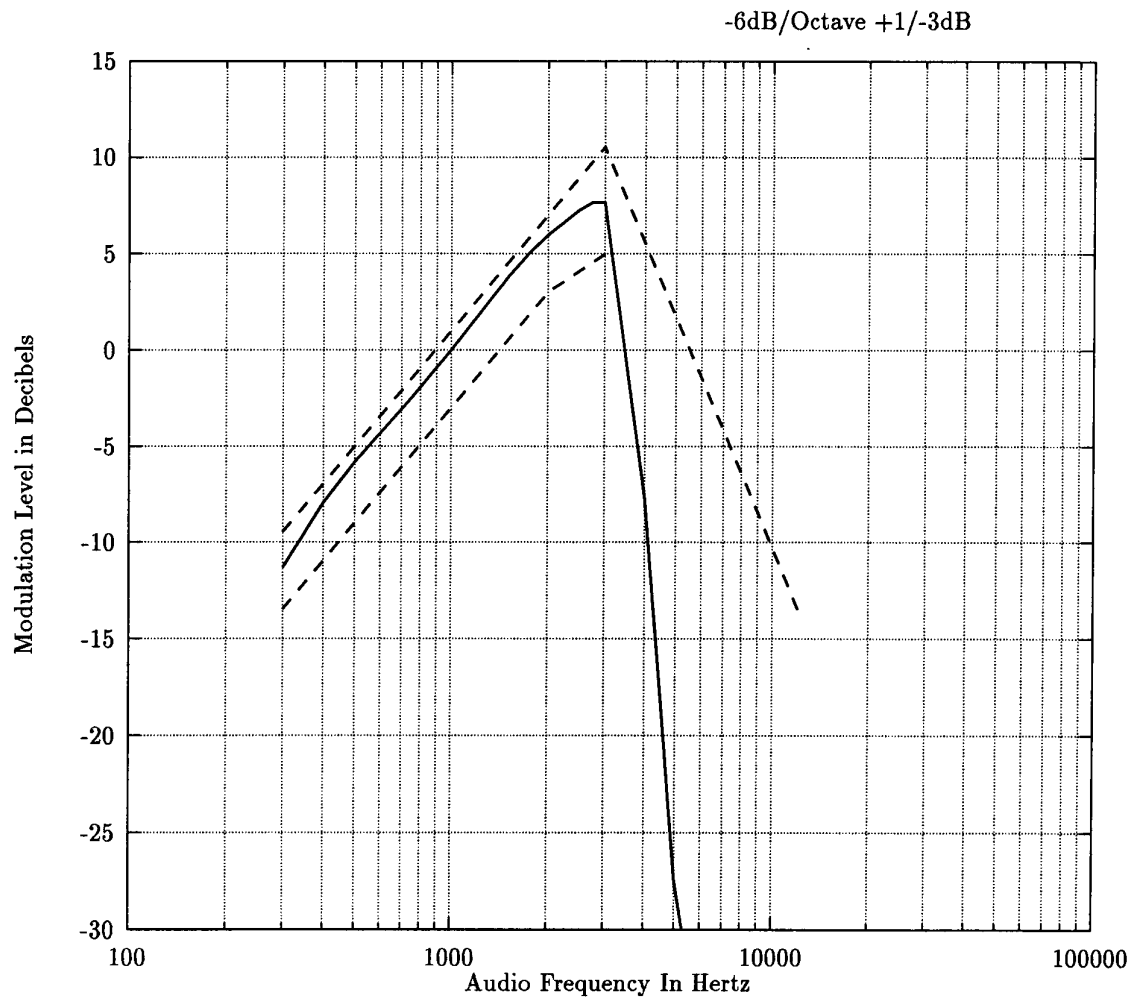
LOW POWER SETTING, FREQUENCY 495.000 MHz

Measured RF Output Power:	1.00 Watt
Measured DC Voltage:	7.50 Volts
Measured DC Input Current:	0.70 Amperes
Measured DC Input Power:	5.25 Watts

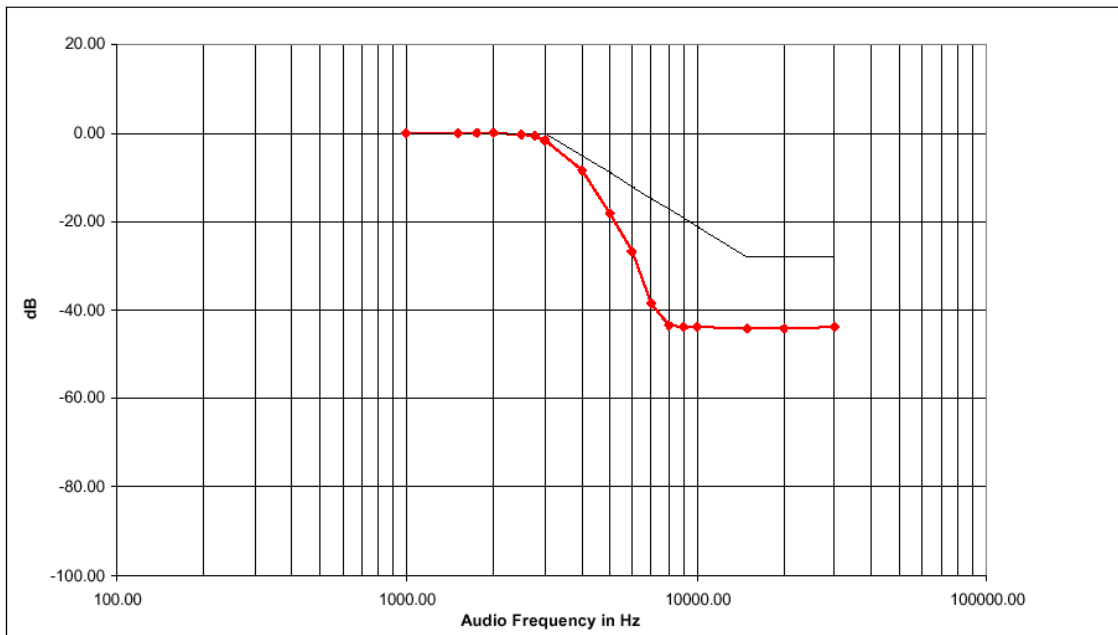
TRANSMIT AUDIO RESPONSE
12.5 kHz CHANNEL SPACING



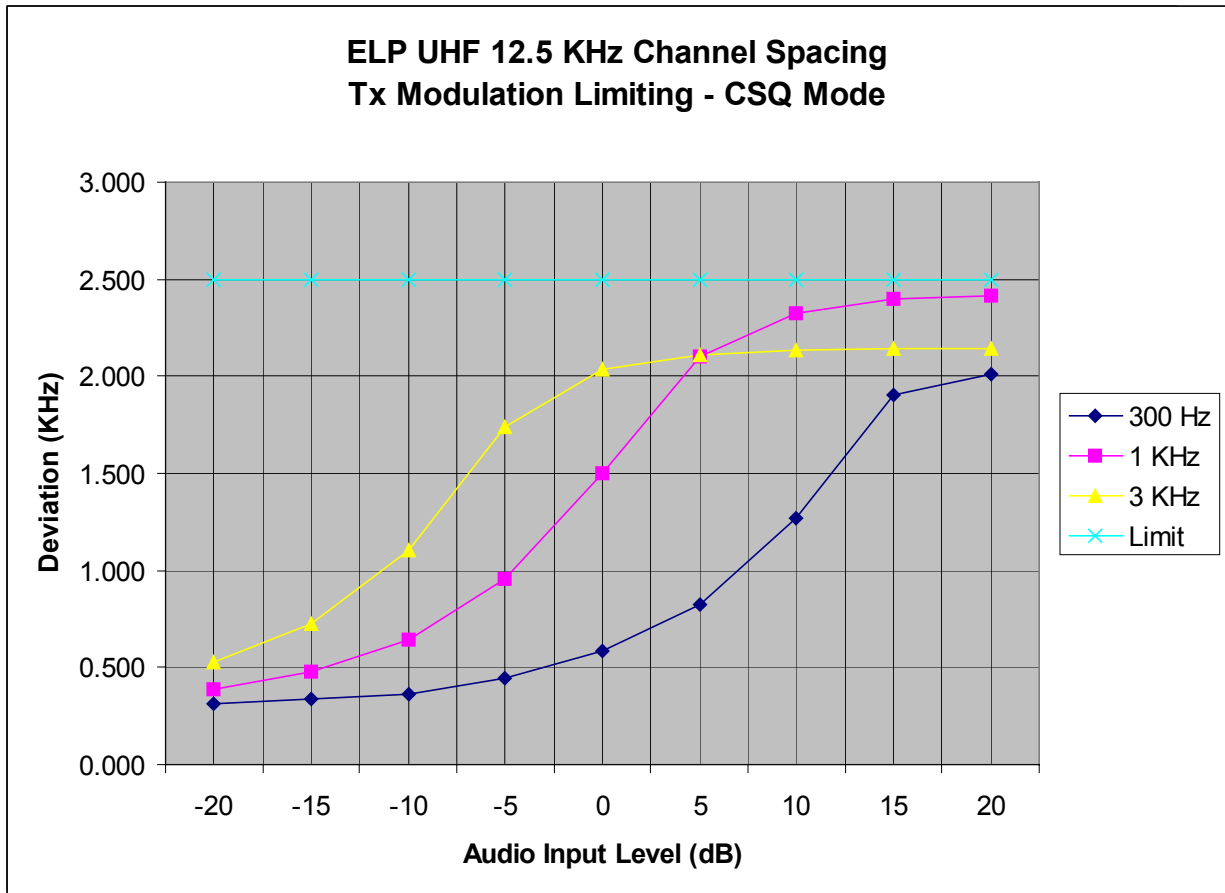
TRANSMIT AUDIO RESPONSE
25 kHz CHANNEL SPACING



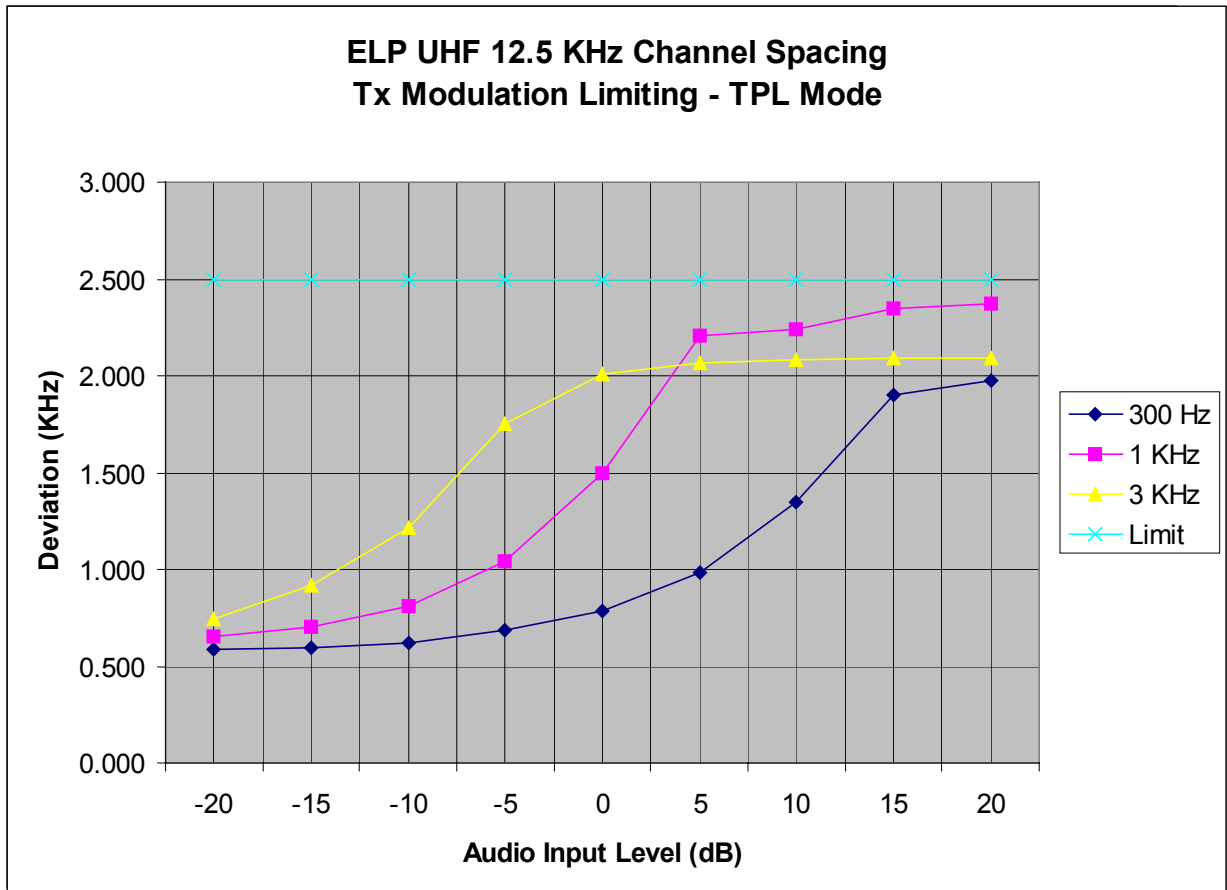
POST-LIMITER LOWPASS FILTER RESPONSE



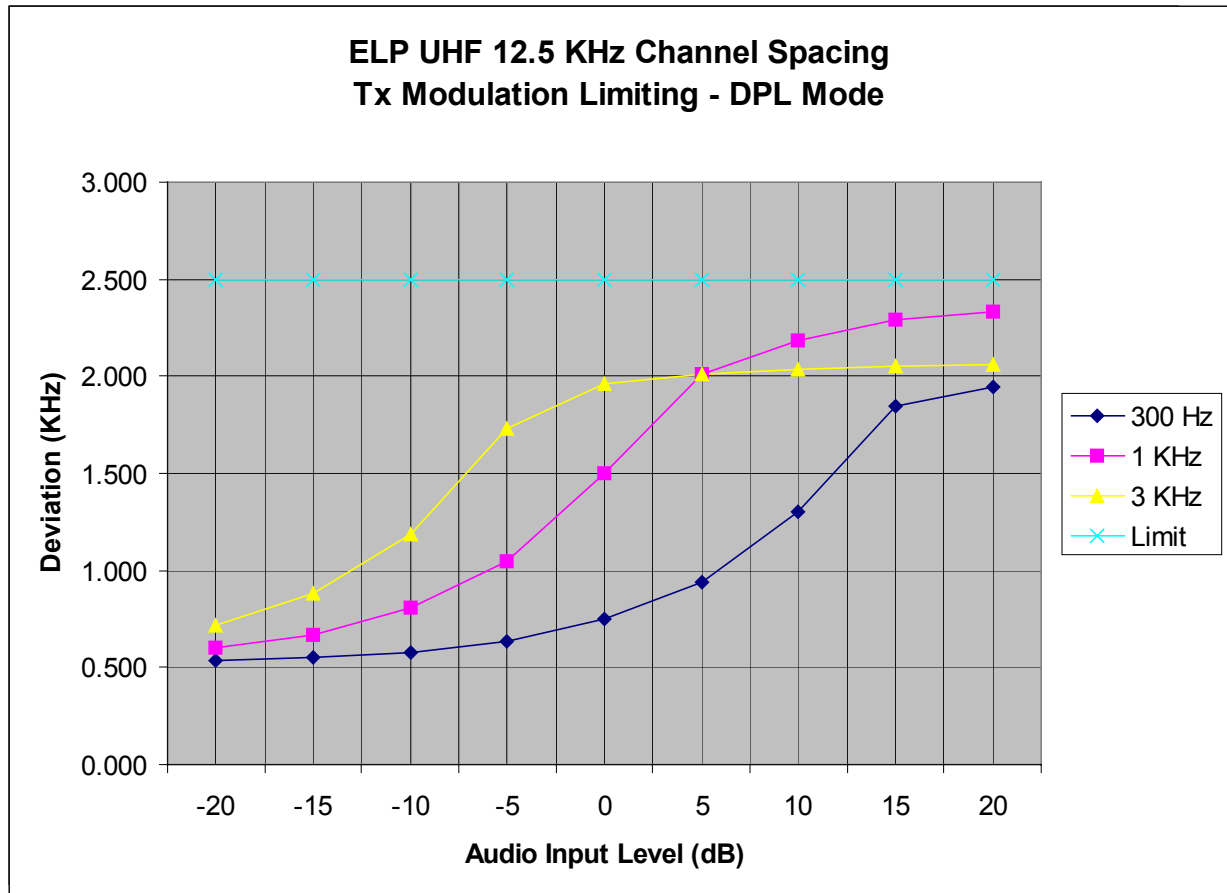
**MODULATION LIMITING CHARACTERISTIC
12.5 kHz CARRIER SQUELCH MODE**



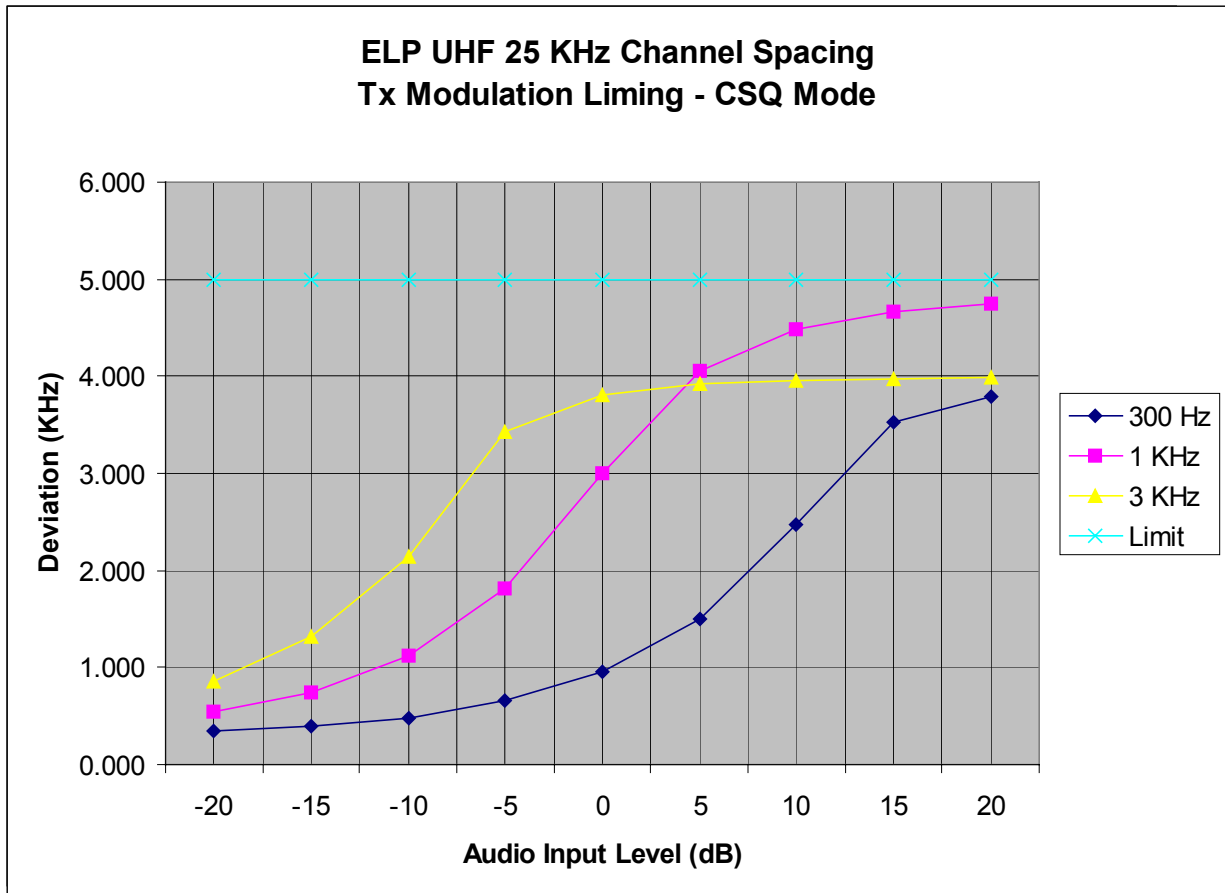
**MODULATION LIMITING CHARACTERISTIC
12.5 kHz TONE PL MODE**



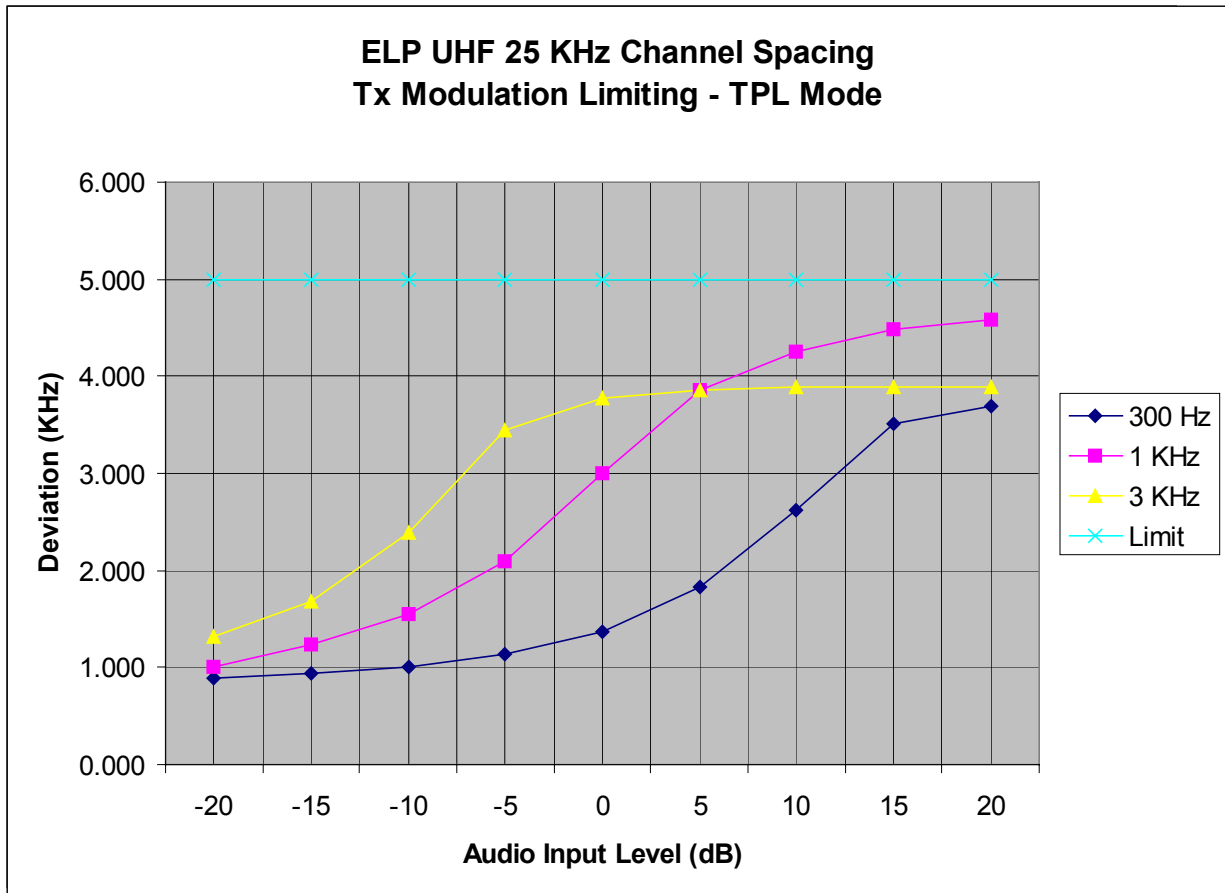
**MODULATION LIMITING CHARACTERISTIC
12.5 kHz DPL MODE**



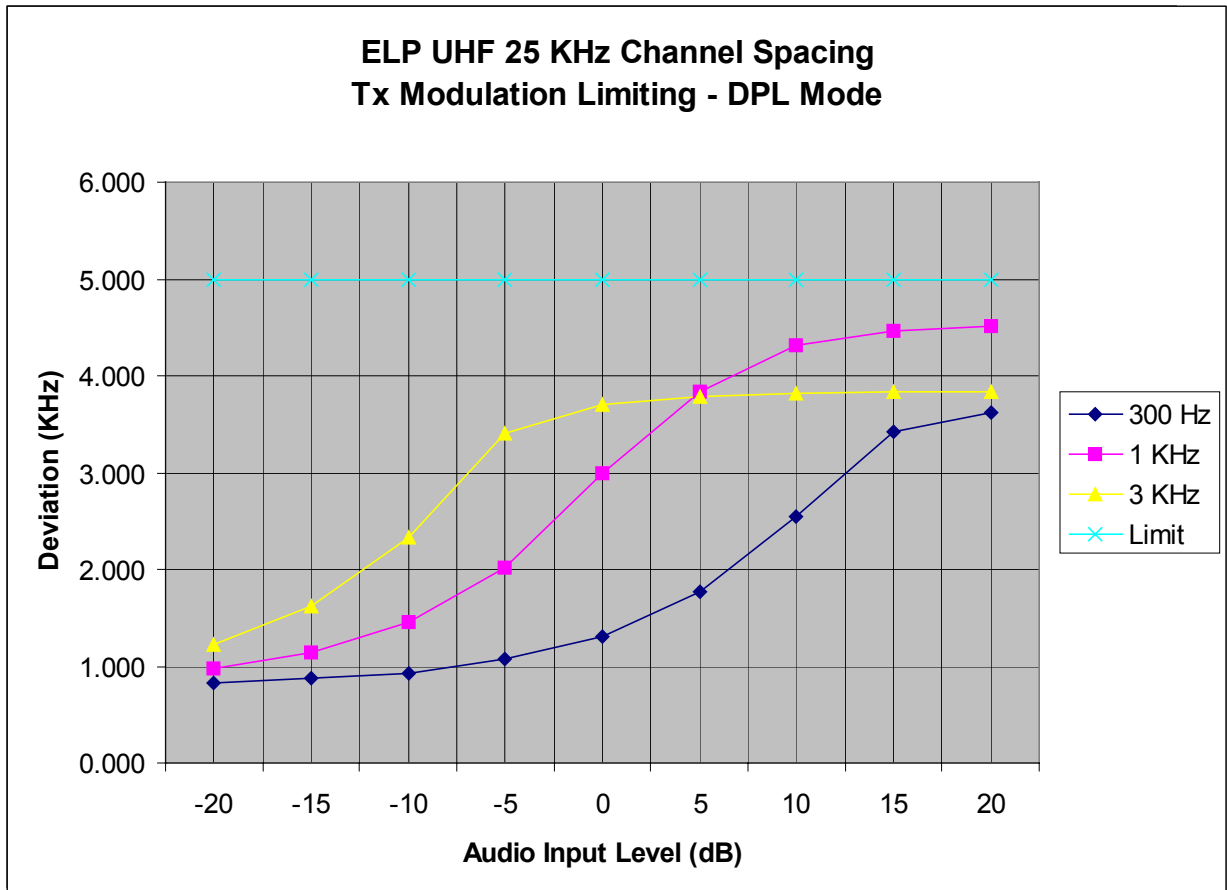
**MODULATION LIMITING CHARACTERISTIC
25 kHz CARRIER SQUELCH MODE**



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



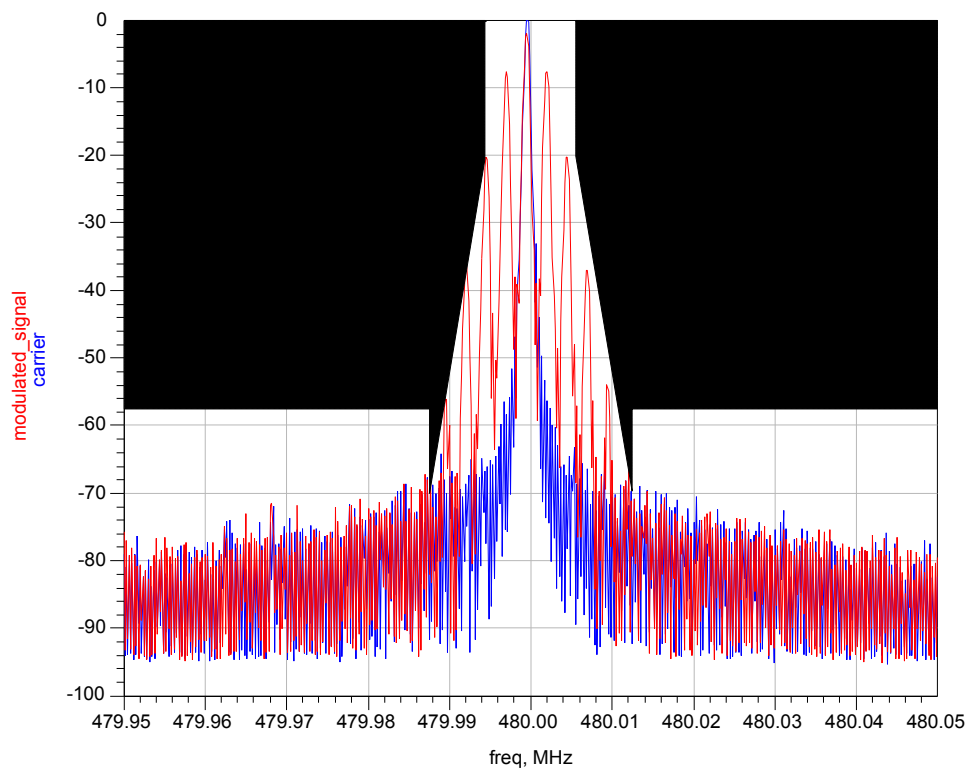
**MODULATION LIMITING CHARACTERISTIC
25 kHz DPL MODE**



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

Eqn carrier=uhfr3_12k_2500_cw..TraceA

Eqn modulated_signal=uhfr3_12k_2500_csq..TraceA

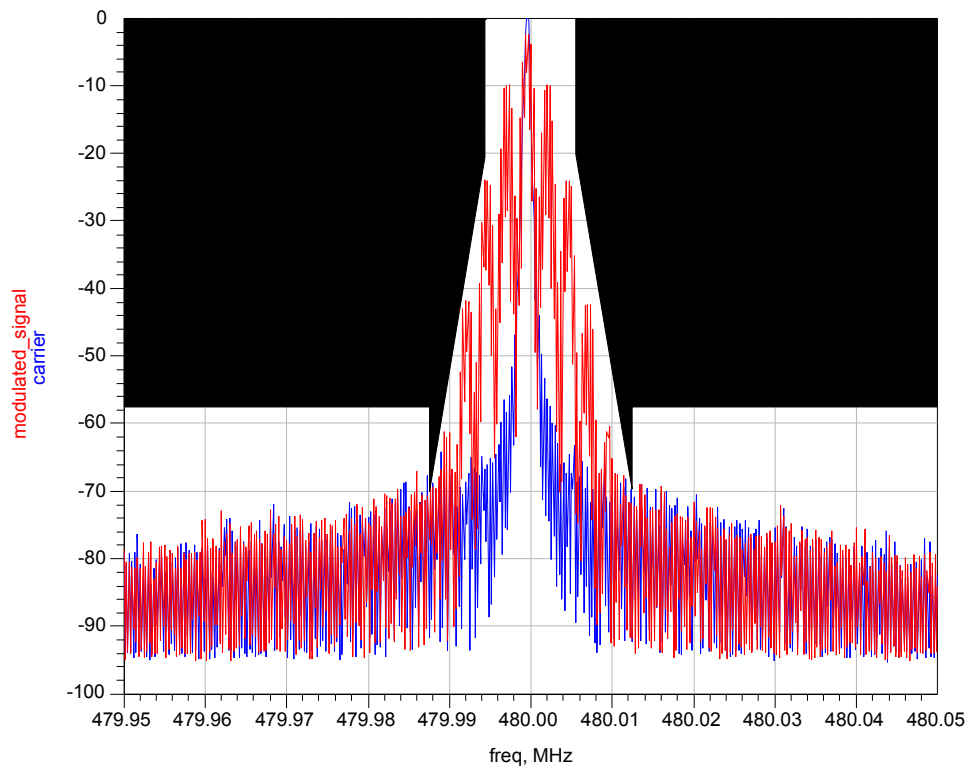


CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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

Eqn carrier=uhfr3_12k_2500_cw..TraceA

Eqn modulated_signal=uhfr3_12k_2500_tpl..TraceA

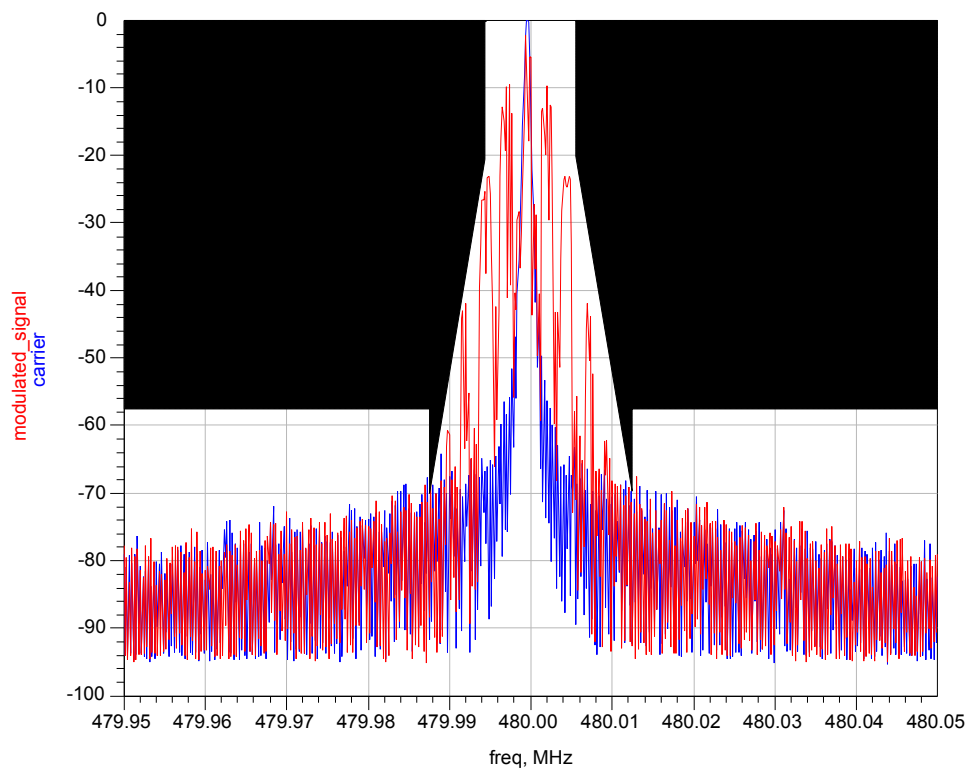


CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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

Eqn carrier=uhfr3_12k_2500_cw..TraceA

Eqn modulated_signal=uhfr3_12k_2500_dpl2..TraceA

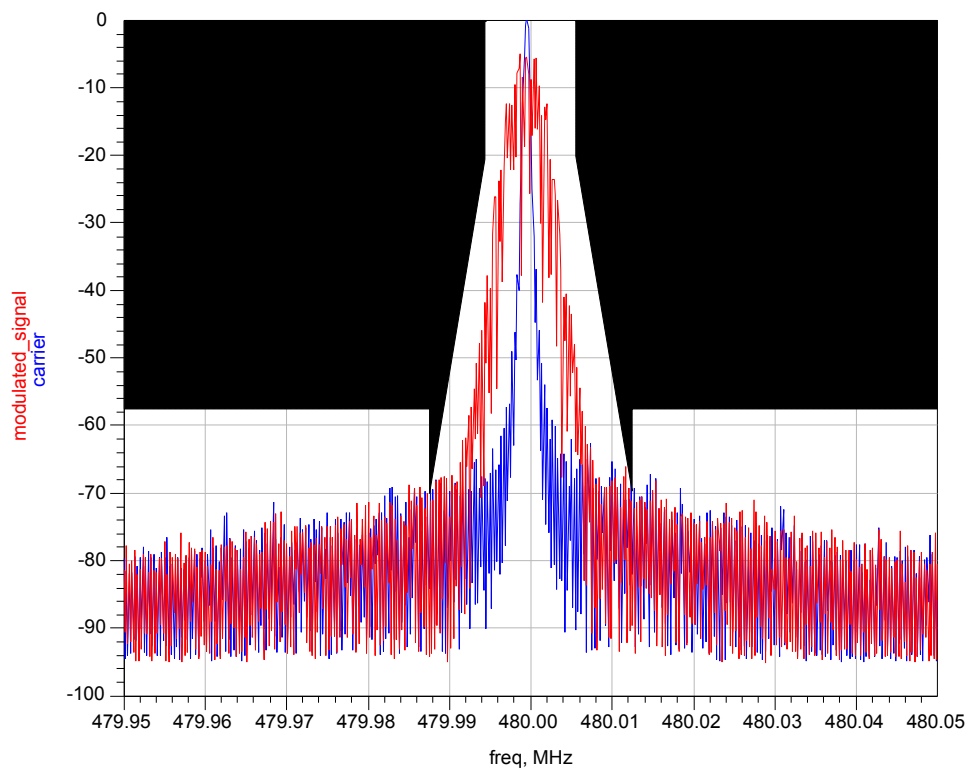


CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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

Eqn carrier=uhfr3_12k_dtmf_cw..TraceA

Eqn modulated_signal=uhfr3_12k_dtmf_csq..TraceA

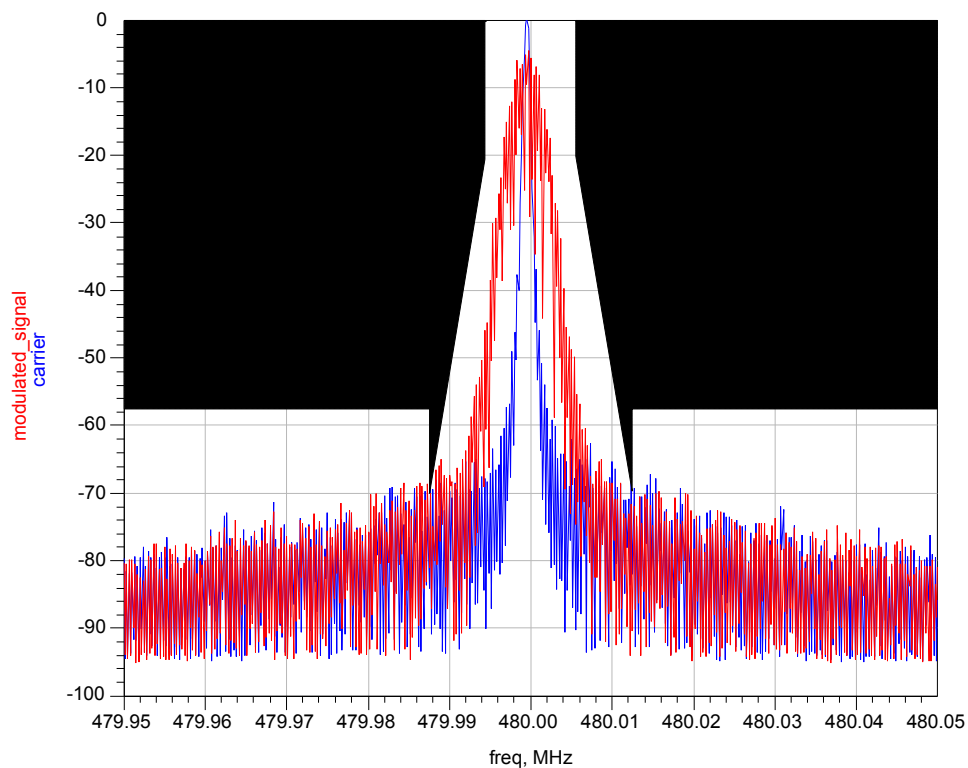


CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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

Eqn carrier=uhfr3_12k_dtmf_cw..TraceA

Eqn modulated_signal=uhfr3_12k_dtmf_tpl..TraceA

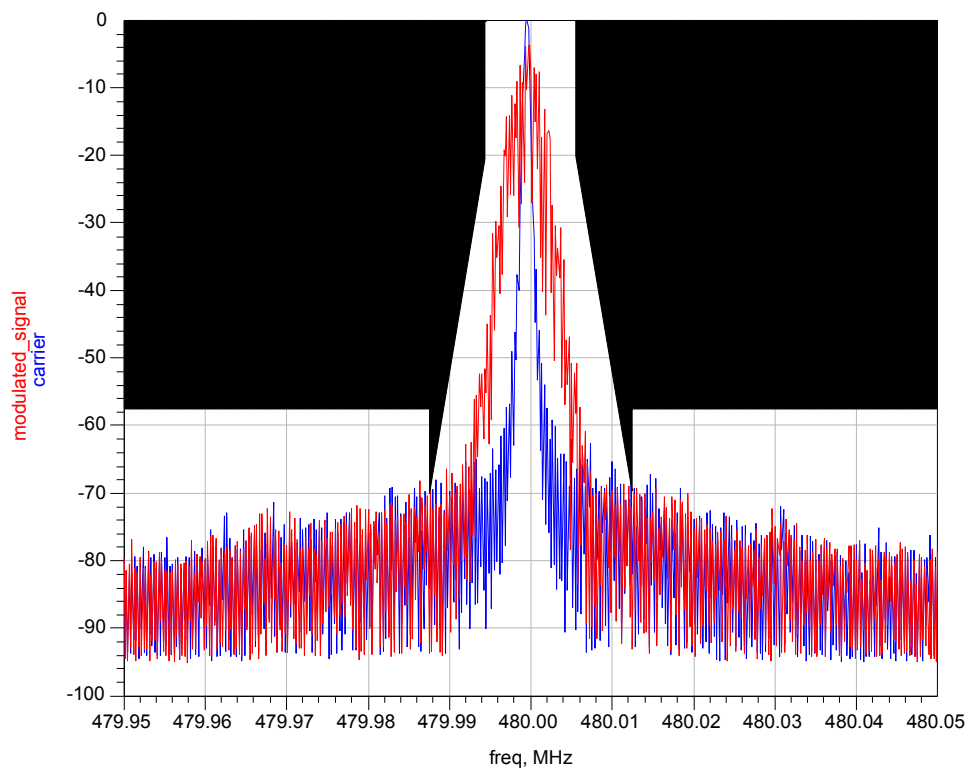


CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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

Eqn carrier=uhfr3_12k_dtmf_cw..TraceA

Eqn modulated_signal=uhfr3_12k_dtmf_dpl..TraceA

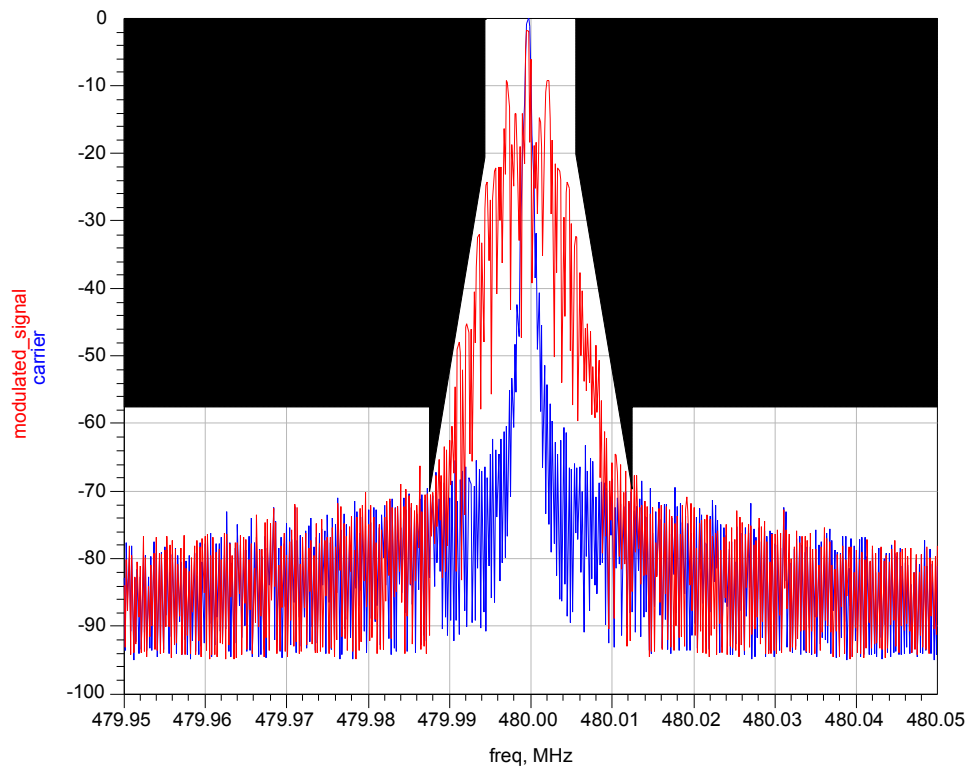


CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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

Eqn carrier=uhfr3_12k_fsk_cw..TraceA

Eqn modulated_signal=uhfr3_12k_fsk_csq..TraceA

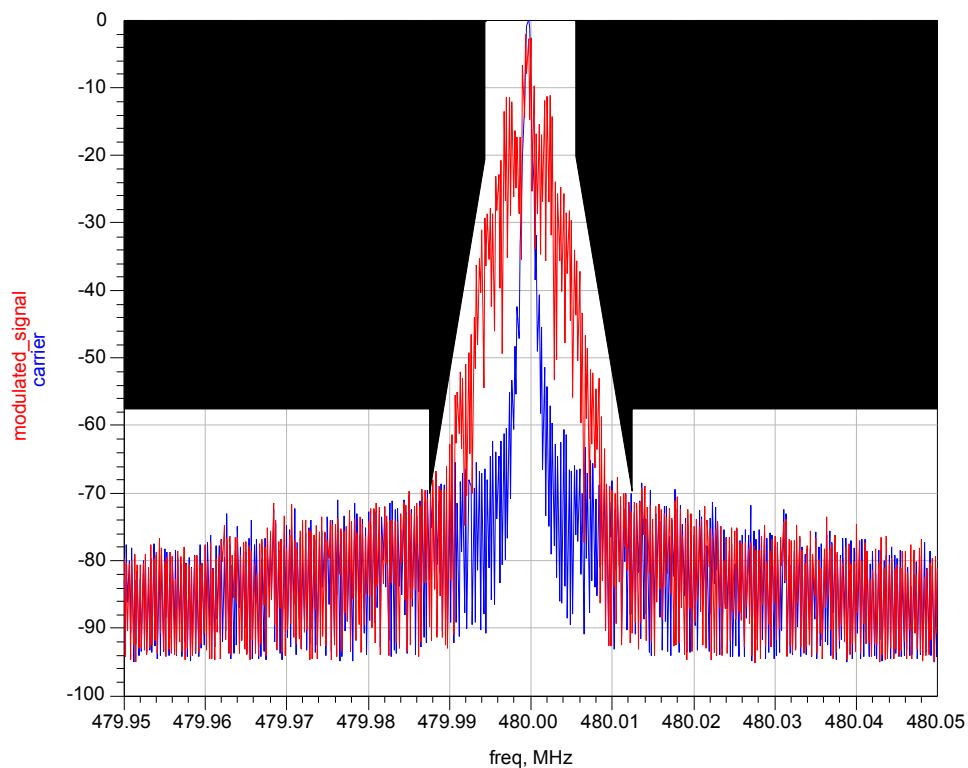


CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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

Eqn carrier=uhfr3_12k_fsk_cw..TraceA

Eqn modulated_signal=uhfr3_12k_fsk_tpl..TraceA

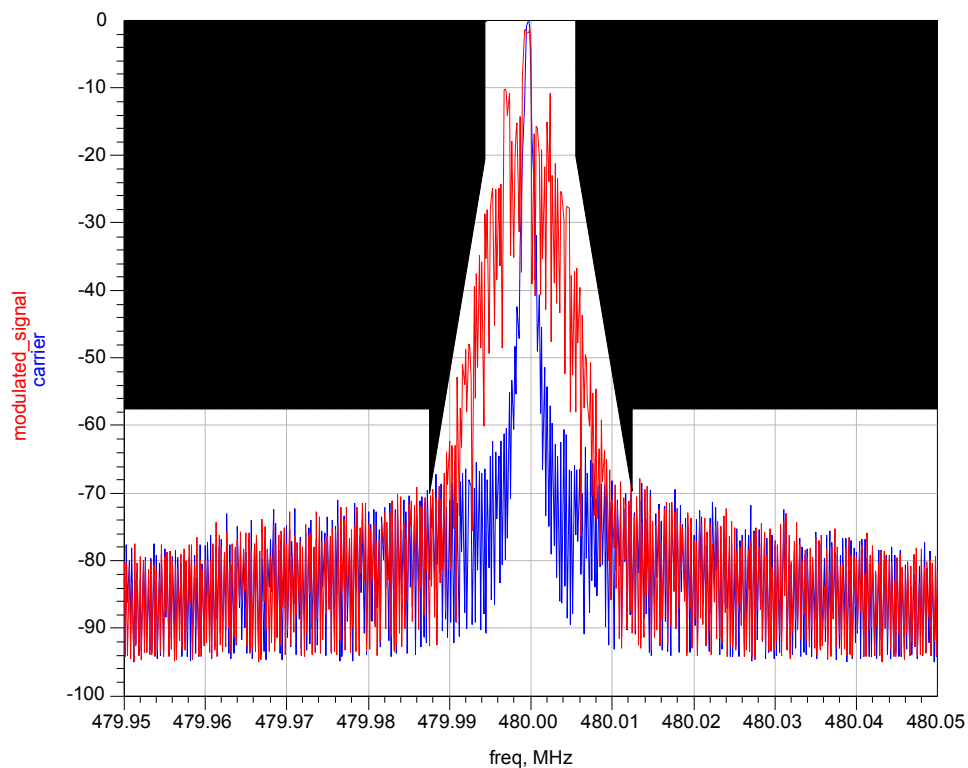


CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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

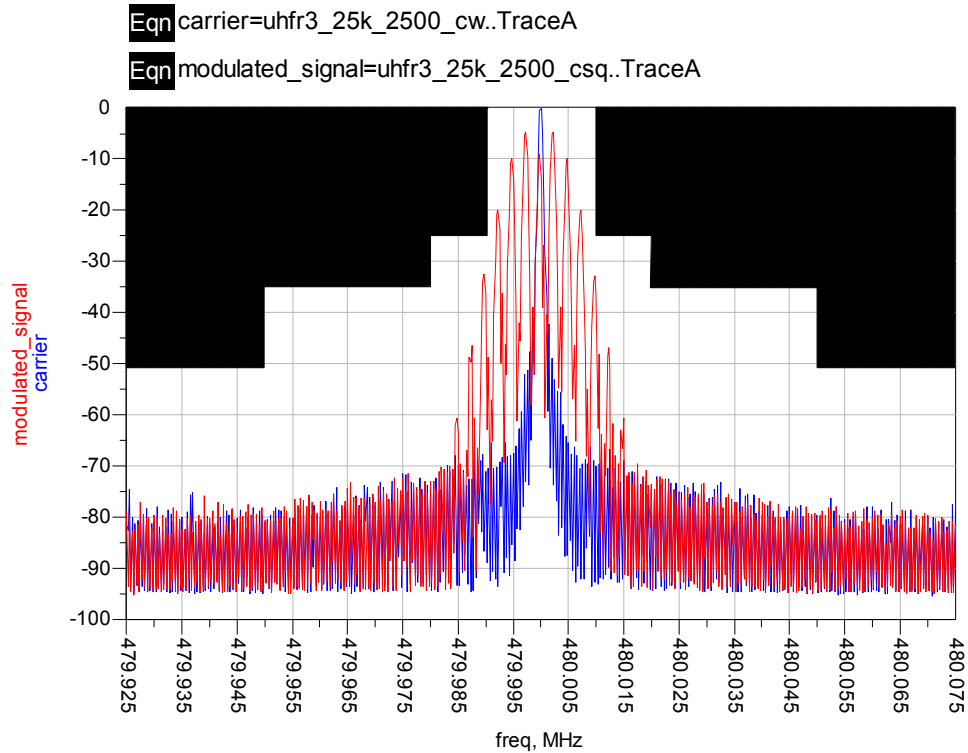
Eqn carrier=uhfr3_12k_fsk_cw..TraceA

Eqn modulated_signal=uhfr3_12k_fsk_dpl..TraceA



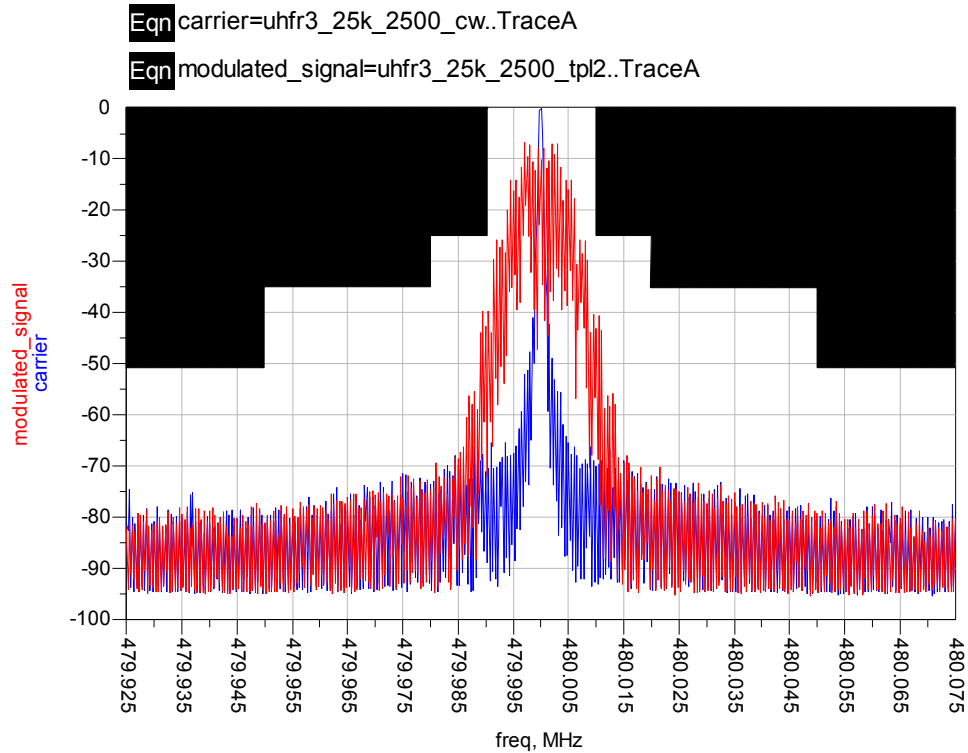
CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



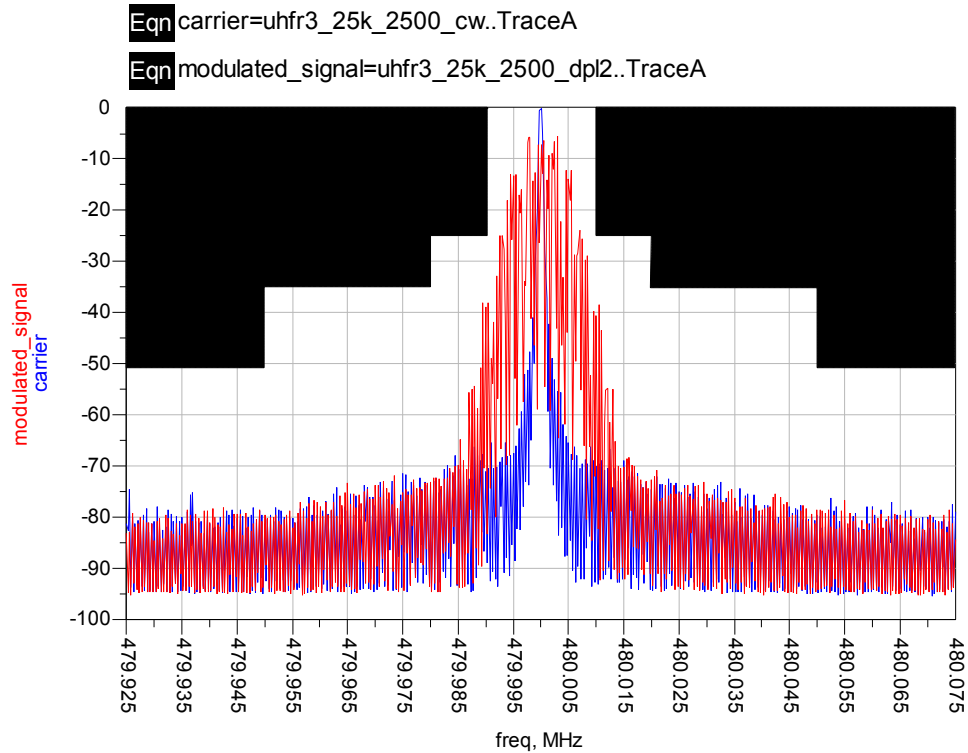
CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	150 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



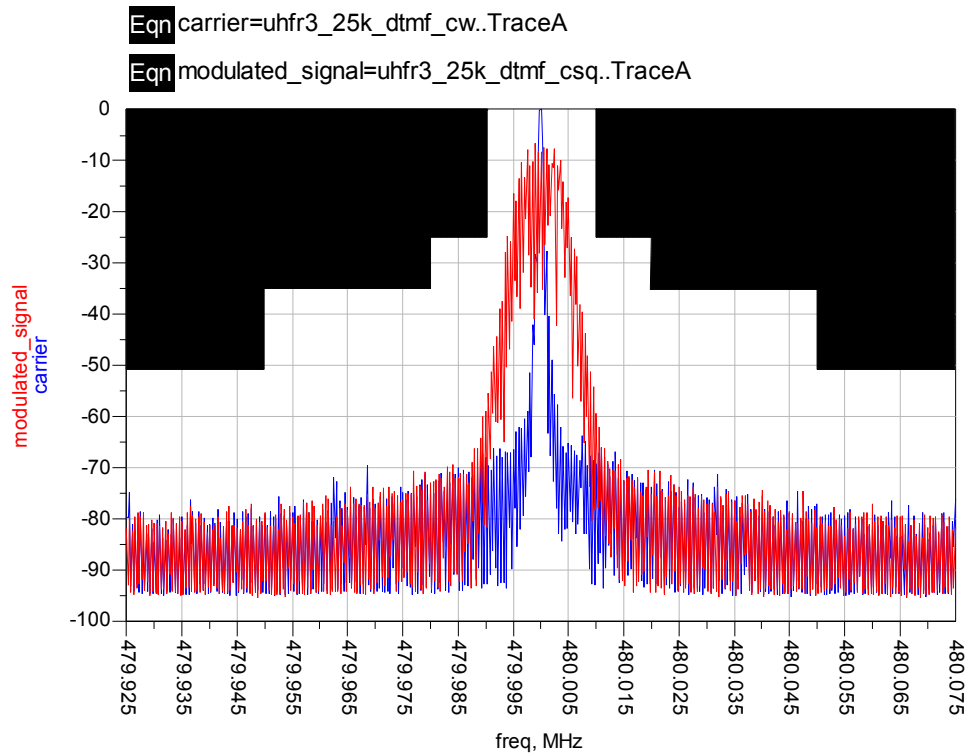
CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	150 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



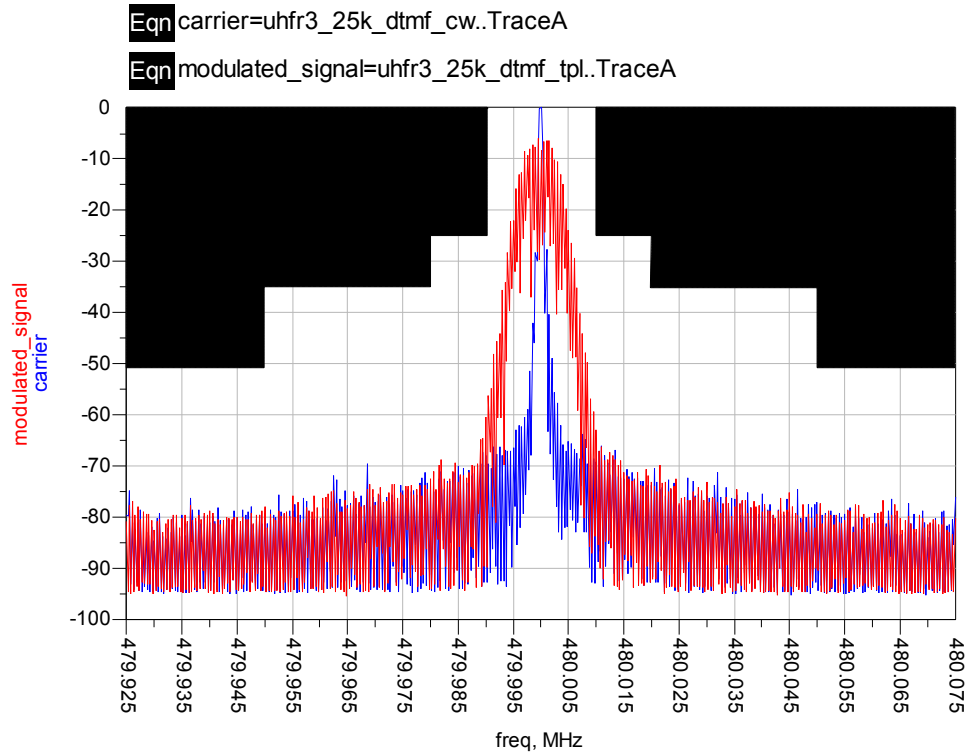
CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	150 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



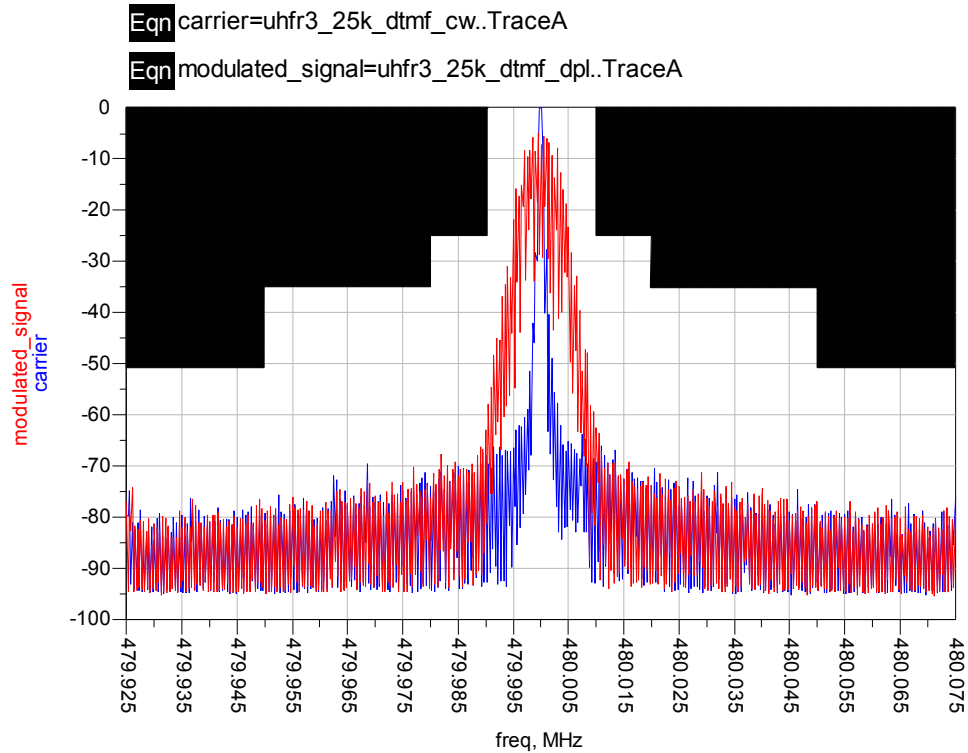
CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	150 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



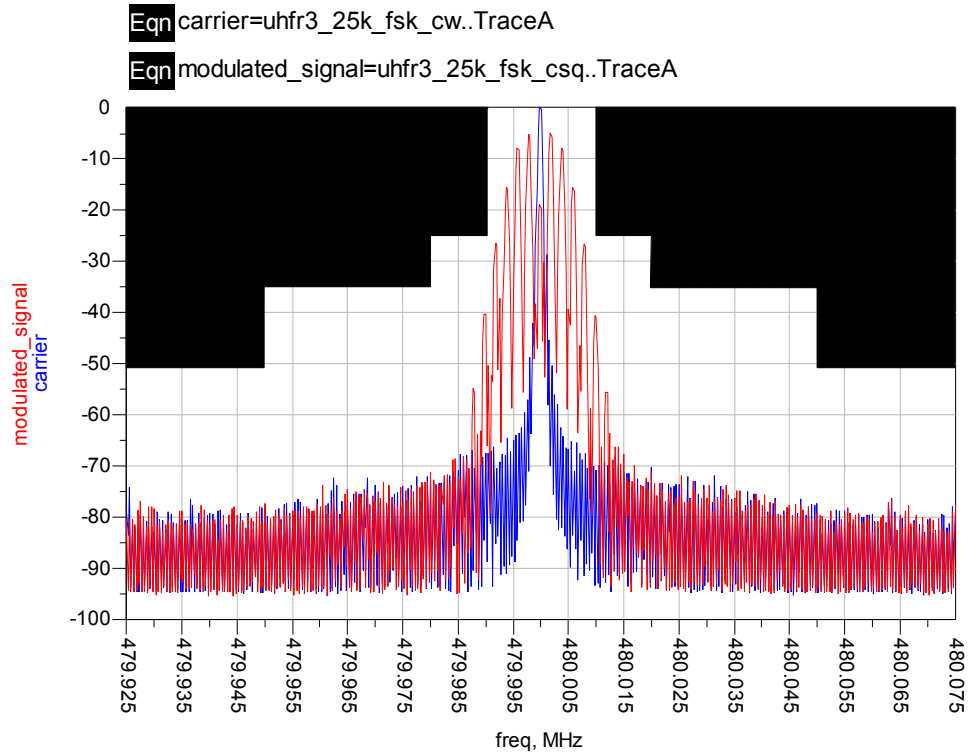
CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	150 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



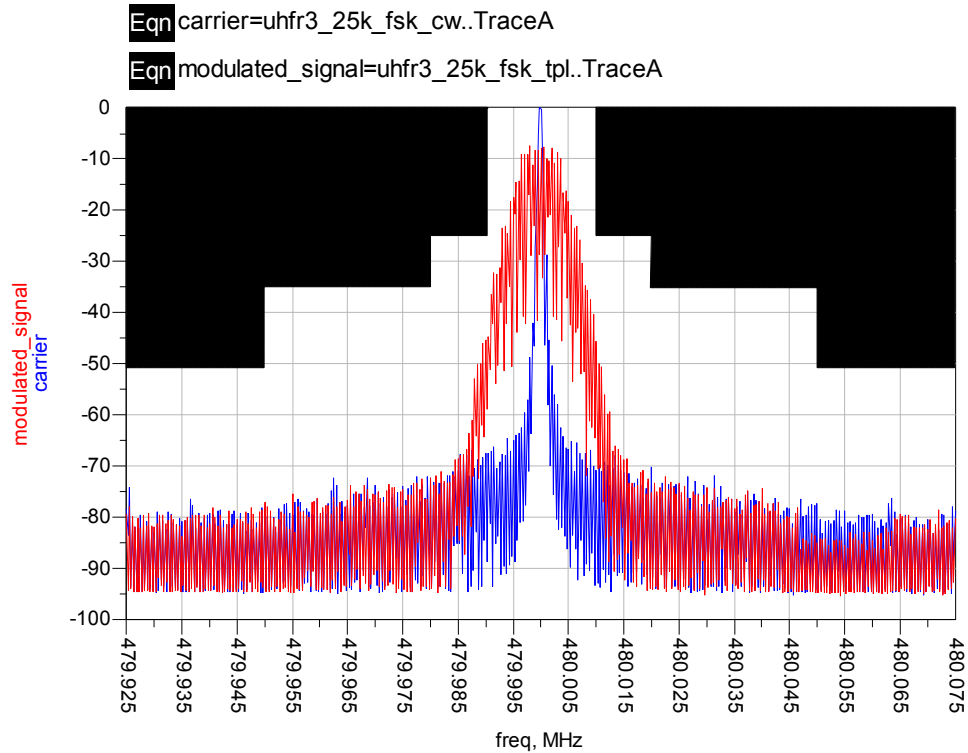
CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	150 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



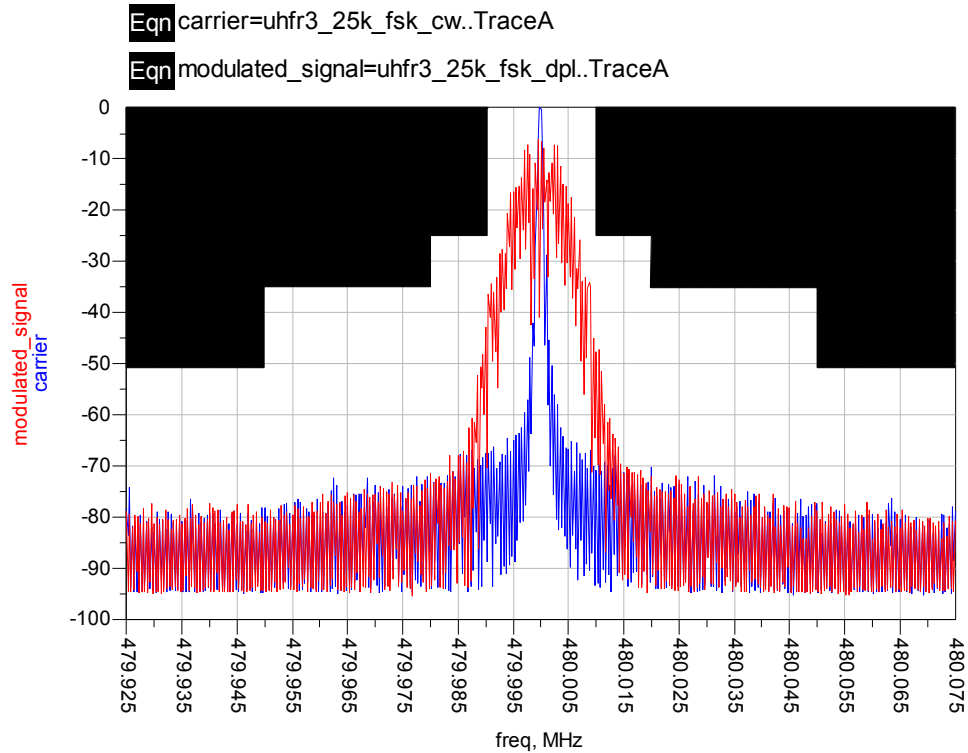
CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	150 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

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



CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	150 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

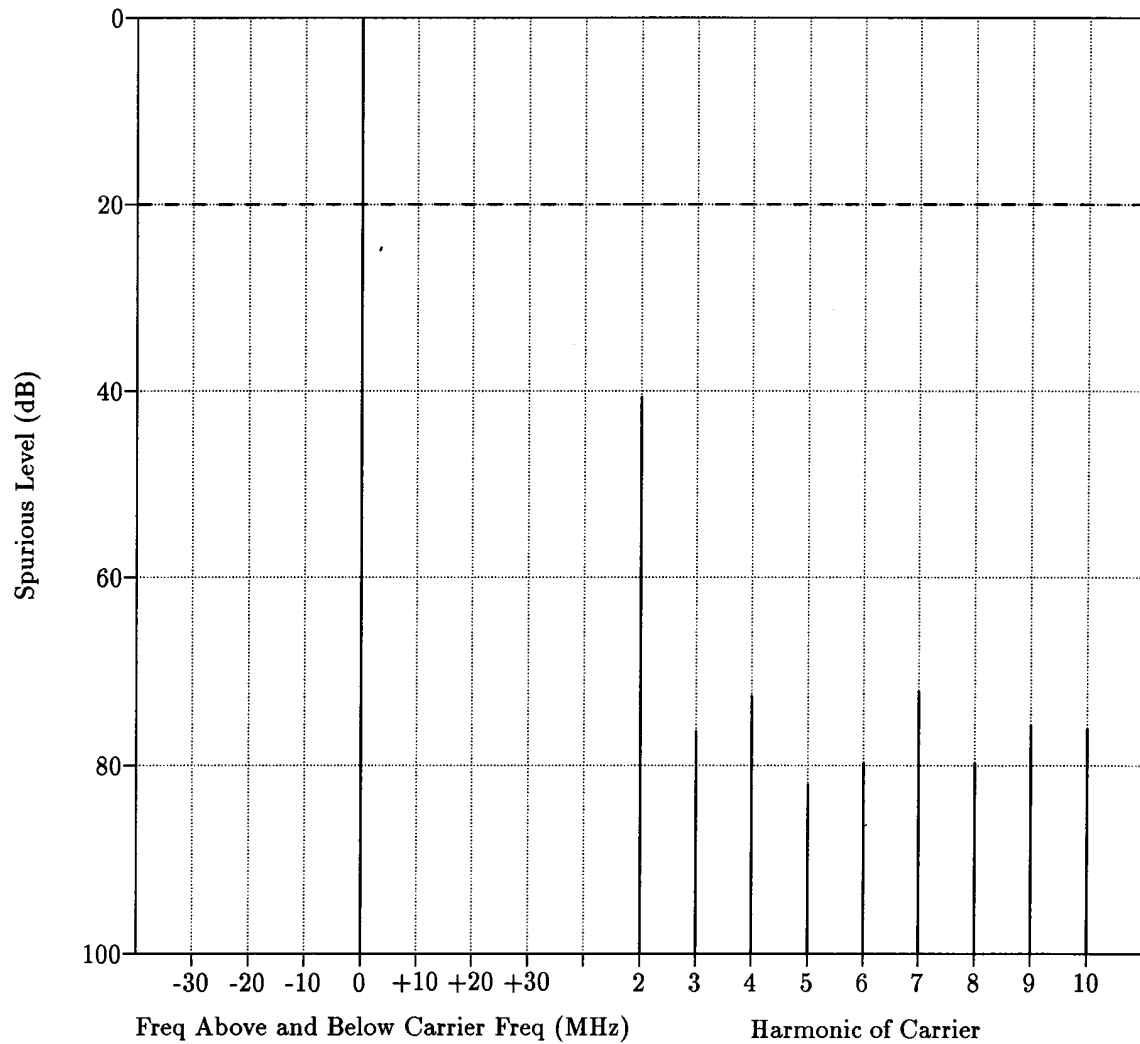
**OCCUPIED BANDWIDTH MEASUREMENT FOR
25 kHz CHANNEL SPACING, 2000/3000 Hz FSK, DPL 131
EMISSION MASK: B**



CENTER FREQUENCY:	480.000 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	3 kHz
SPAN:	150 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 4.6 Watts
ATTENUATION:	30 dB

**CONDUCTED SPURIOUS EMISSIONS
HIGH POWER, 465.025 MHz**

Transmitter Type: See Above
Power Output: 4.60W at 465.025MHz

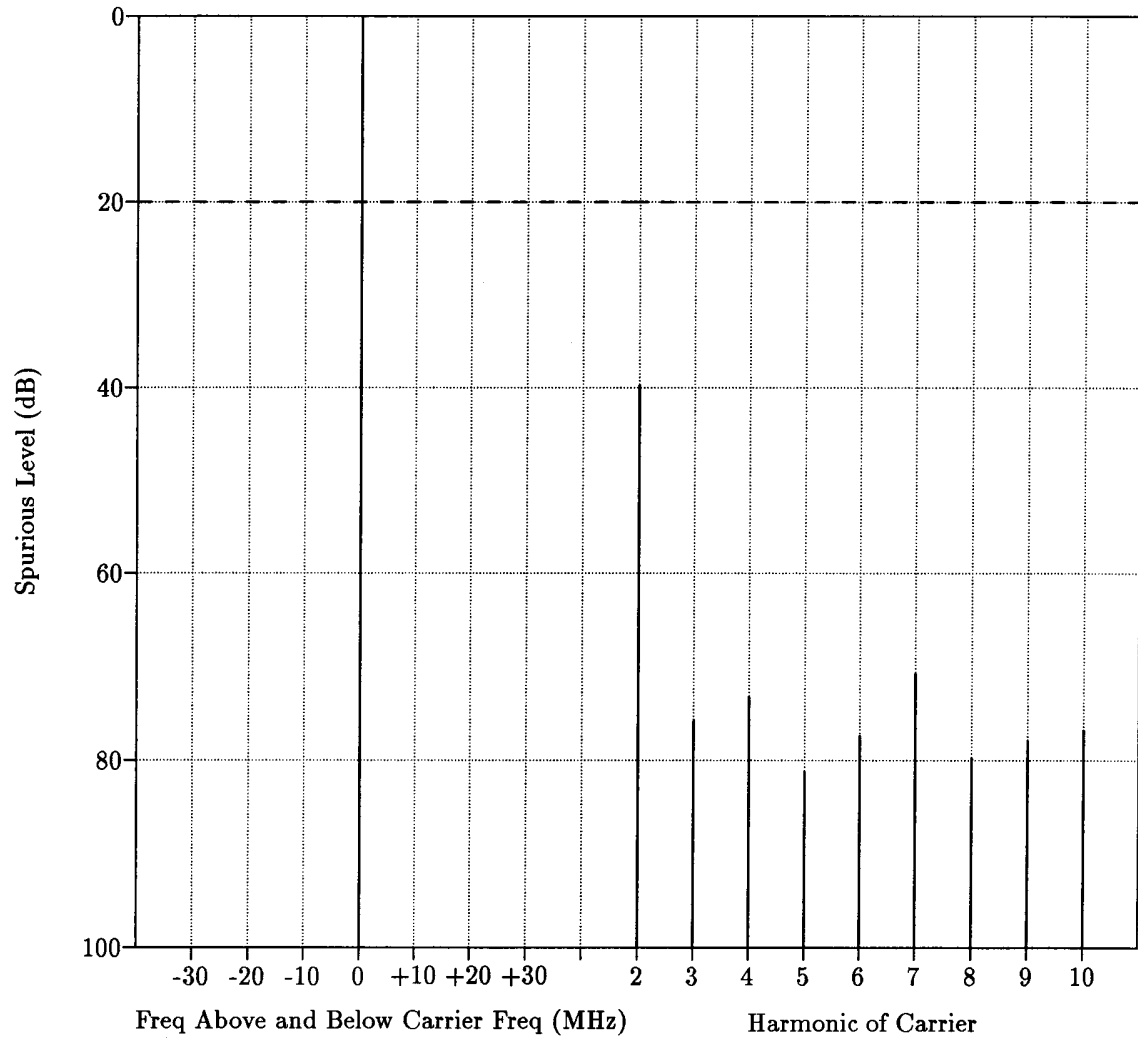


1

The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -20 dBm.
All non-harmonic emissions are at or below the noise floor.

**CONDUCTED SPURIOUS EMISSIONS
HIGH POWER, 480.0250 MHz**

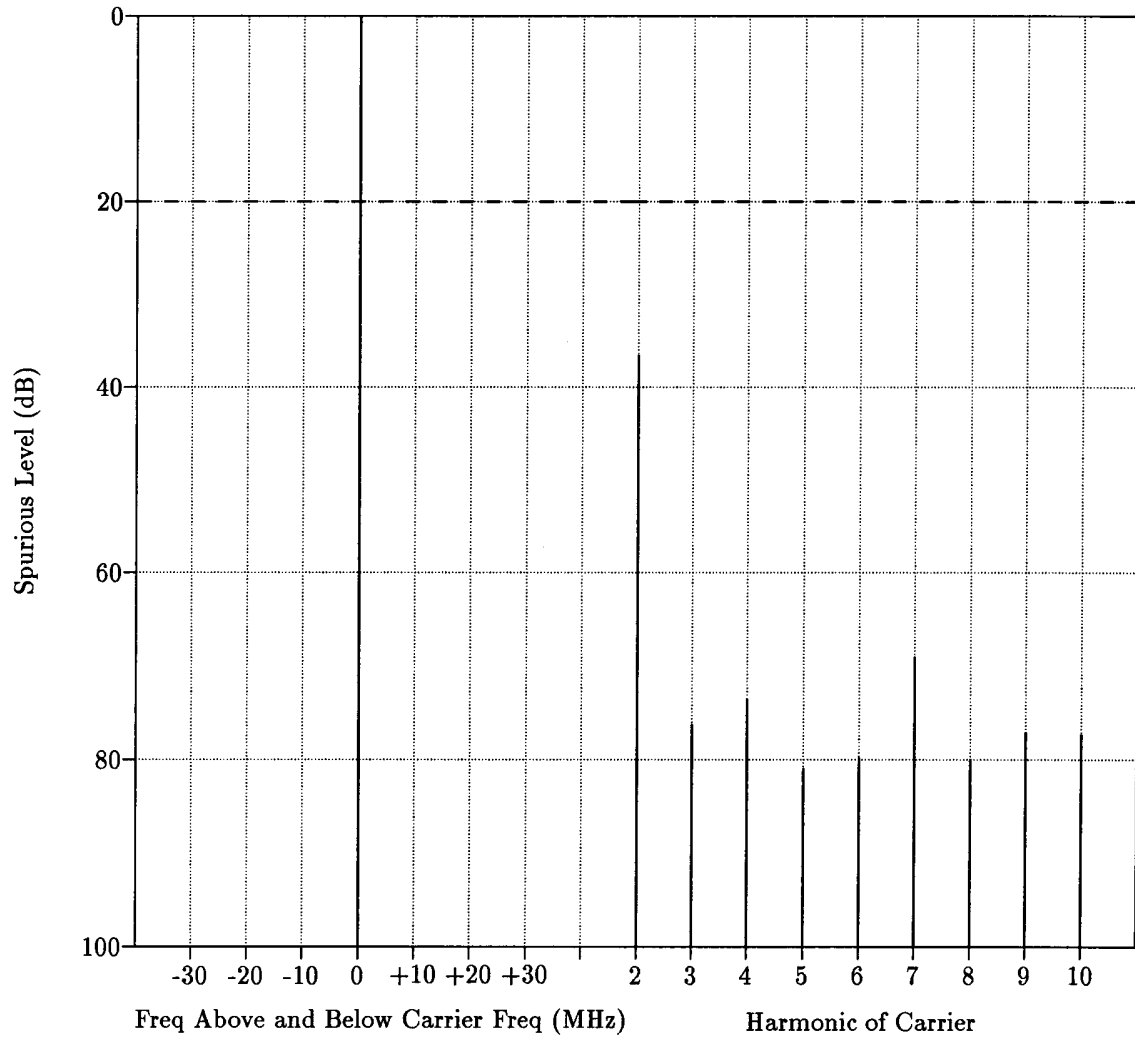
Transmitter Type: See Above
Power Output: 4.60W at 480.0250MHz

**2**

The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -20 dBm.
All non-harmonic emissions are at or below the noise floor.

**CONDUCTED SPURIOUS EMISSIONS
HIGH POWER, 494.850 MHz**

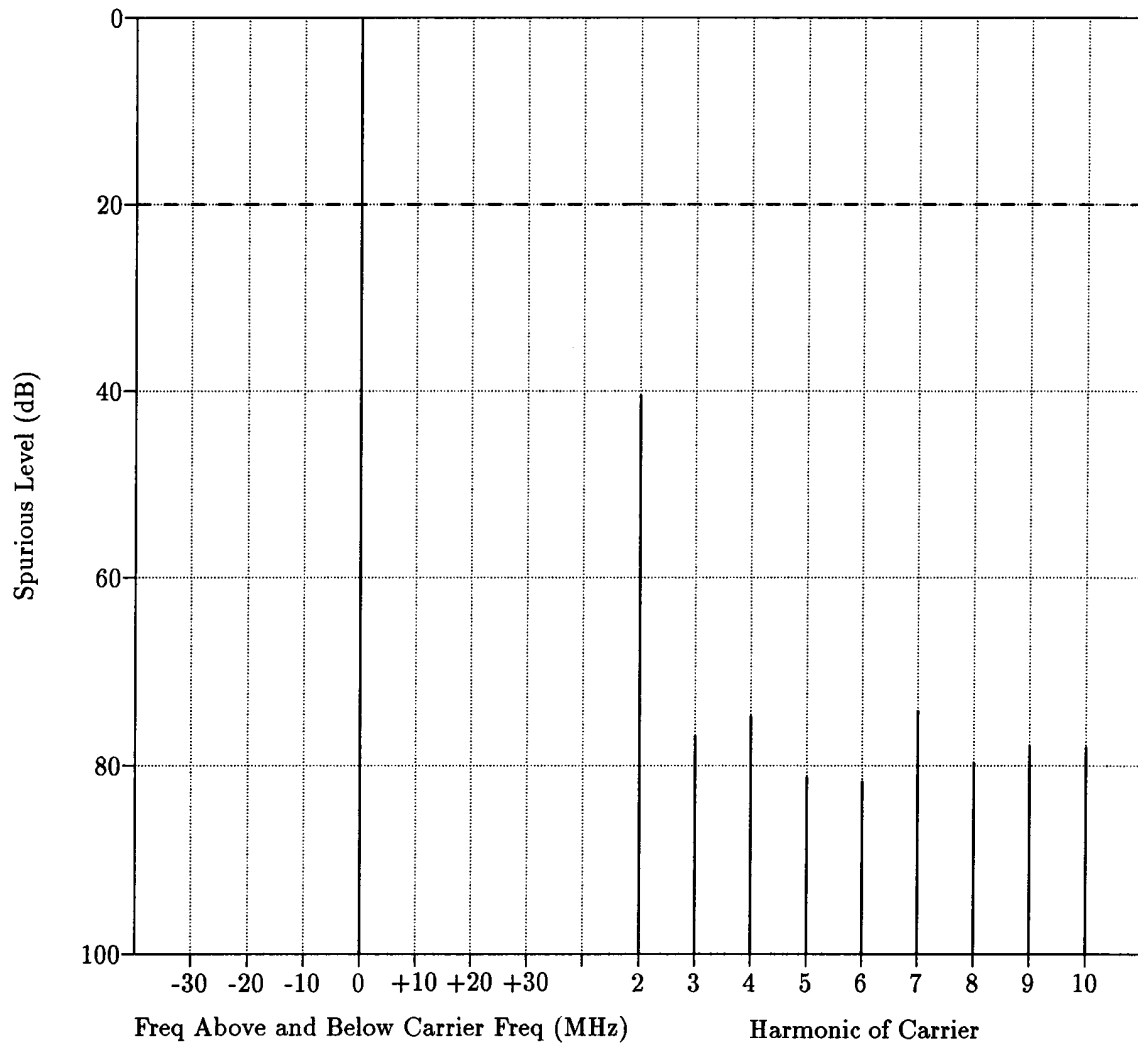
Transmitter Type: See Above
Power Output: 4.60W at 494.850MHz

**3**

The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -20 dBm.
All non-harmonic emissions are at or below the noise floor.

**CONDUCTED SPURIOUS EMISSIONS
LOW POWER, 465.150 MHz**

Transmitter Type: See Above
Power Output: 1.00W at 465.150MHz

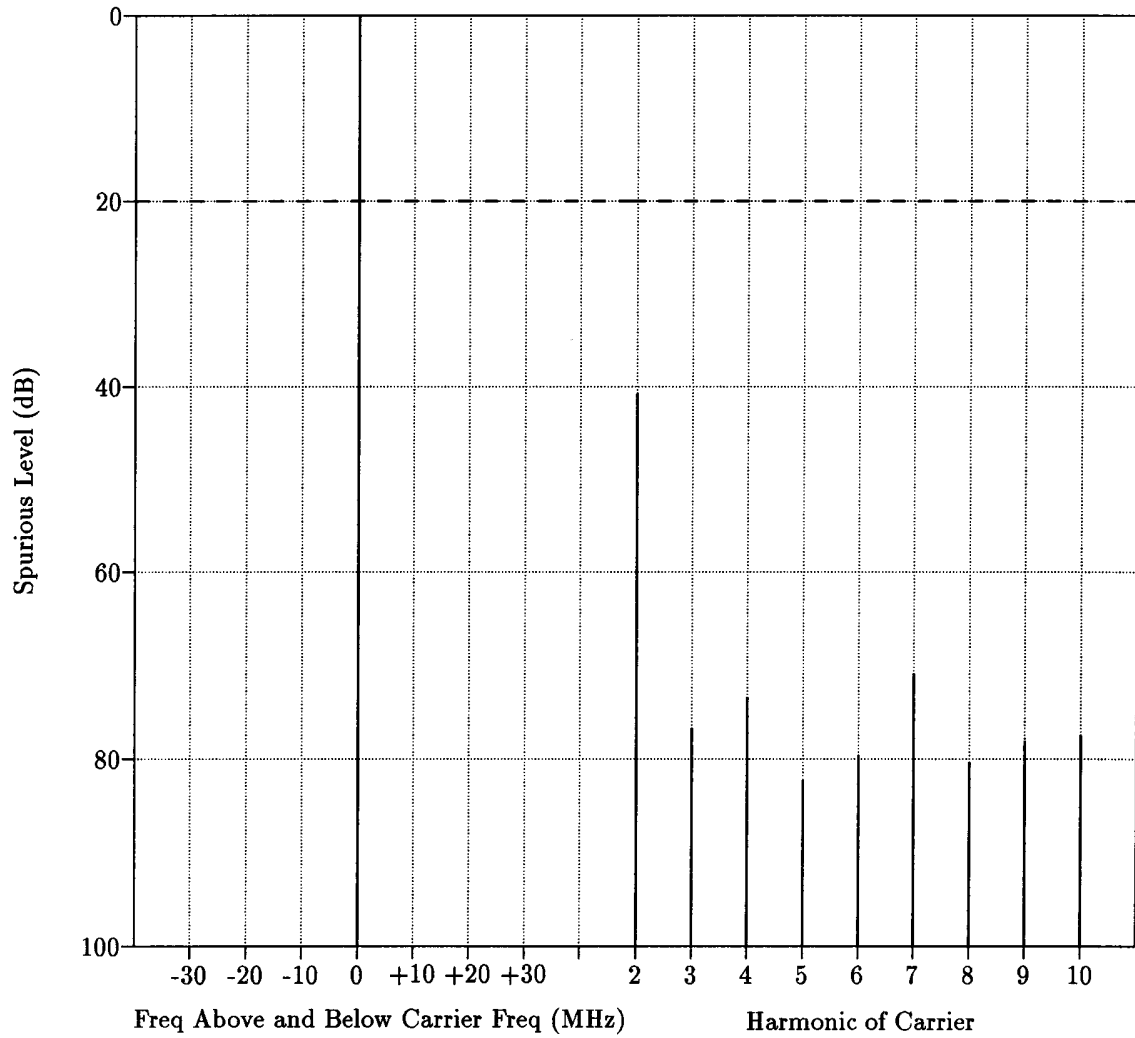


4

The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -20 dBm.
All non-harmonic emissions are at or below the noise floor.

**CONDUCTED SPURIOUS EMISSIONS
LOW POWER, 480.150 MHz**

Transmitter Type: See Above
Power Output: 1.00W at 480.150MHz

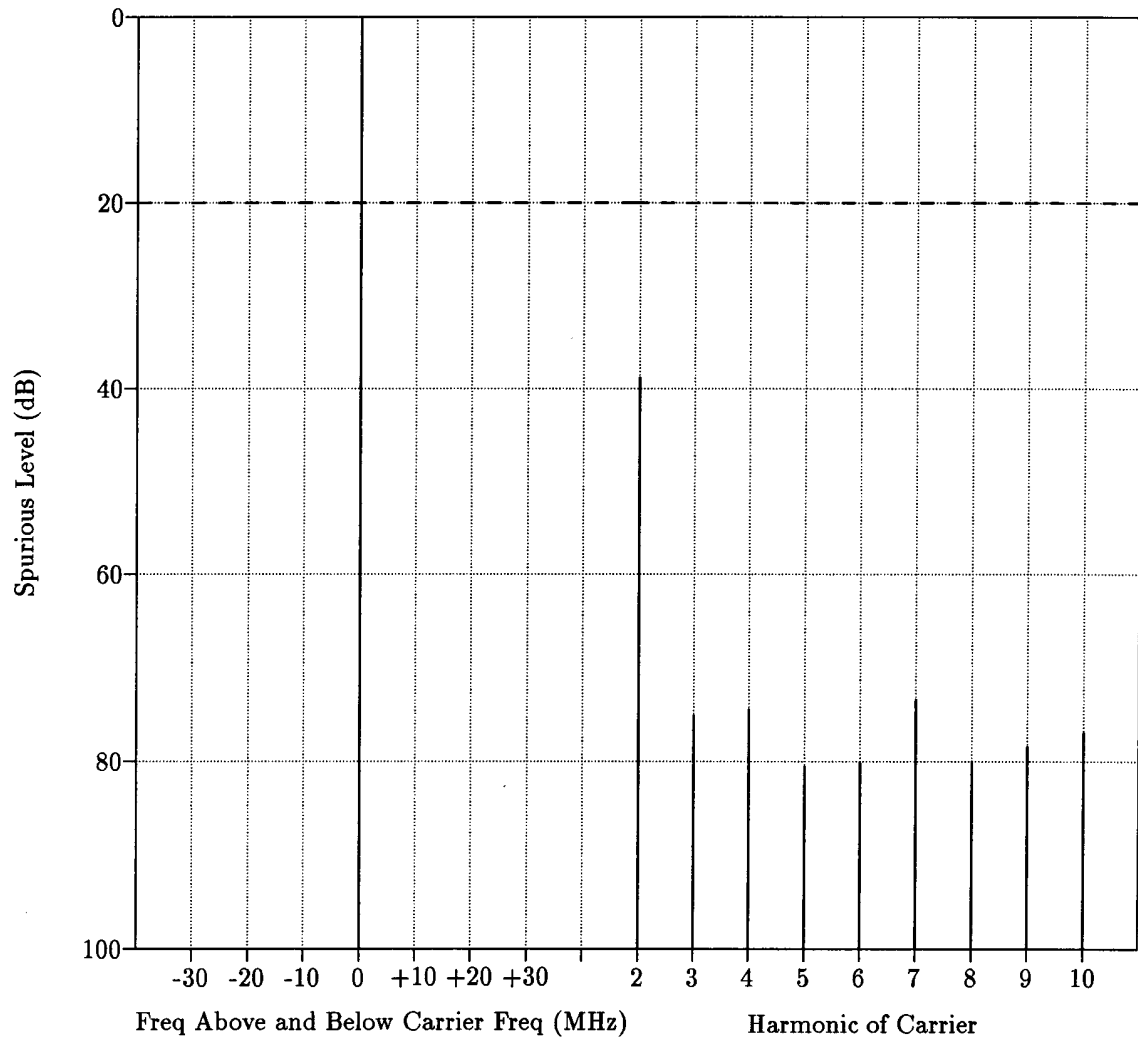


5

The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -20 dBm.
All non-harmonic emissions are at or below the noise floor.

**CONDUCTED SPURIOUS EMISSIONS
LOW POWER, 494.975 MHz**

Transmitter Type: See Above
Power Output: 1.00W at 494.975MHz



6

The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -20 dBm.
All non-harmonic emissions are at or below the noise floor.

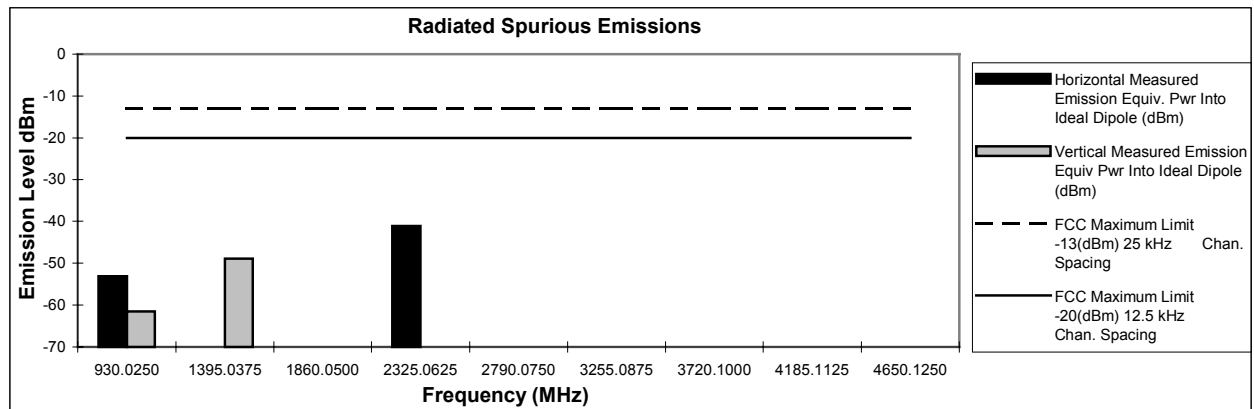
Transmitter Radiated Spurious Emissions: Pirahna

465.0125 MHz

4.6 Watts

Channel Spacing 25kHz | S/N PVLYU9QE

Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
930.0250	-13	-20	-53.08	-61.54
1395.0375	-13	-20	*	-48.86
1860.0500	-13	-20	*	*
2325.0625	-13	-20	-41.06	*
2790.0750	-13	-20	*	*
3255.0875	-13	-20	*	*
3720.1000	-13	-20	*	*
4185.1125	-13	-20	*	*
4650.1250	-13	-20	*	*



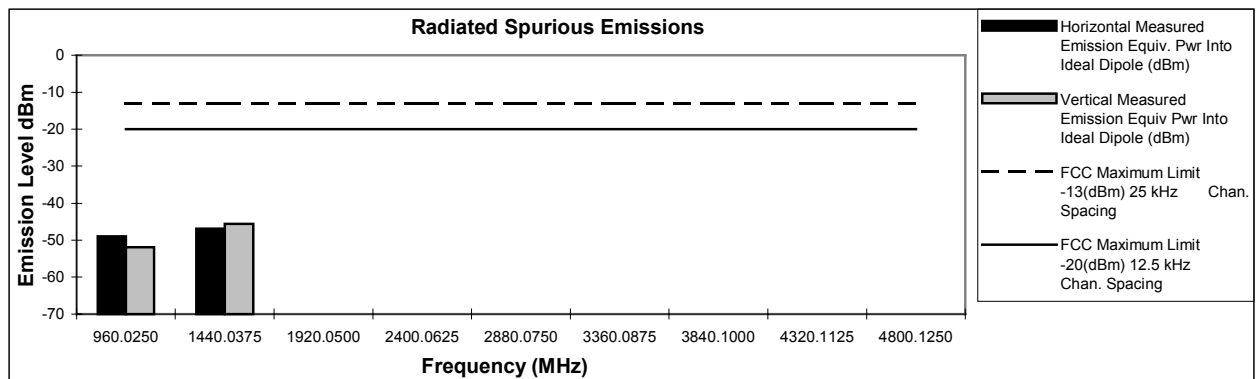
Transmitter Radiated Spurious Emissions: Pirahna

480.0125 MHz

4.6 Watts

Channel Spacing 25kHz | S/N PVLYU9QE

Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
960.0250	-13	-20	-48.99	-51.94
1440.0375	-13	-20	-46.95	-45.57
1920.0500	-13	-20	*	*
2400.0625	-13	-20	*	*
2880.0750	-13	-20	*	*
3360.0875	-13	-20	*	*
3840.1000	-13	-20	*	*
4320.1125	-13	-20	*	*
4800.1250	-13	-20	*	*

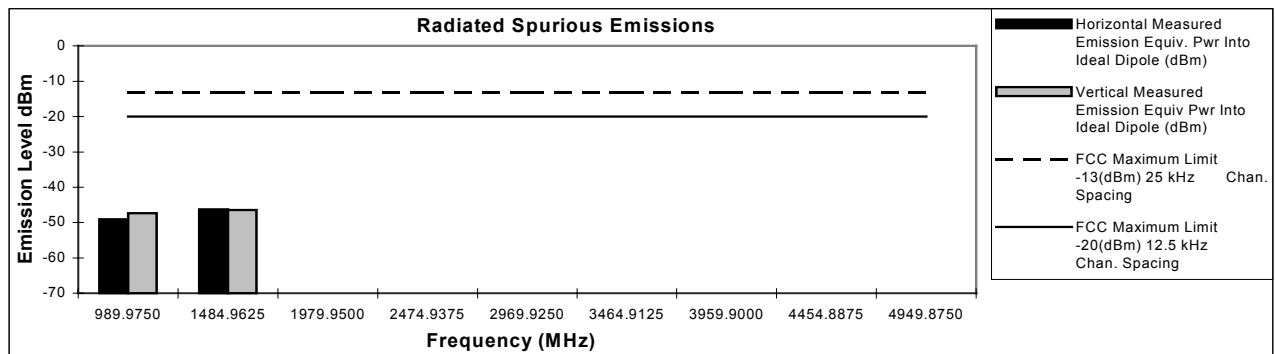


* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

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

Transmitter Radiated Spurious Emissions: Pirahna**494.9875 MHz****4.6 Watts****Channel Spacing 25kHz | S/N PVL9U9QE**

Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
989.9750	-13	-20	-49.06	-47.37
1484.9625	-13	-20	-46.24	-46.50
1979.9500	-13	-20	*	*
2474.9375	-13	-20	*	*
2969.9250	-13	-20	*	*
3464.9125	-13	-20	*	*
3959.9000	-13	-20	*	*
4454.8875	-13	-20	*	*
4949.8750	-13	-20	*	*

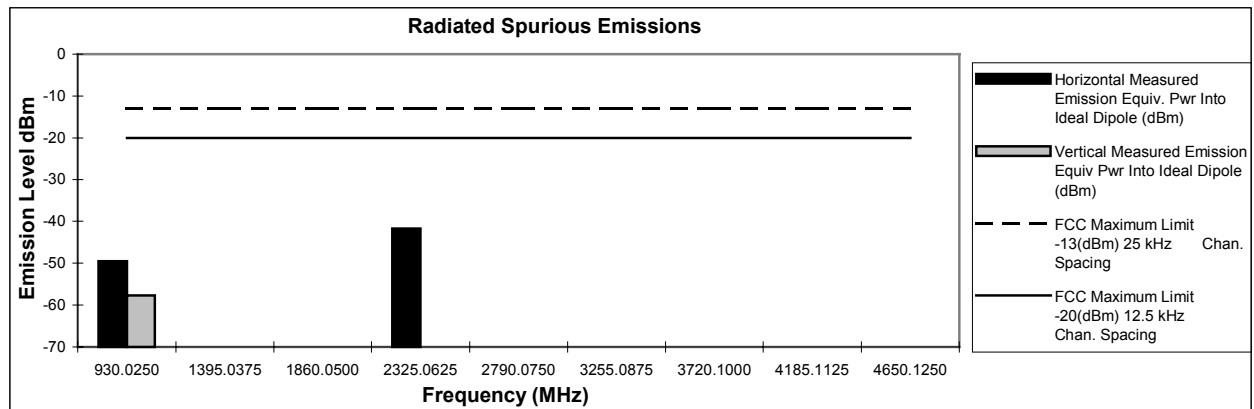


* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

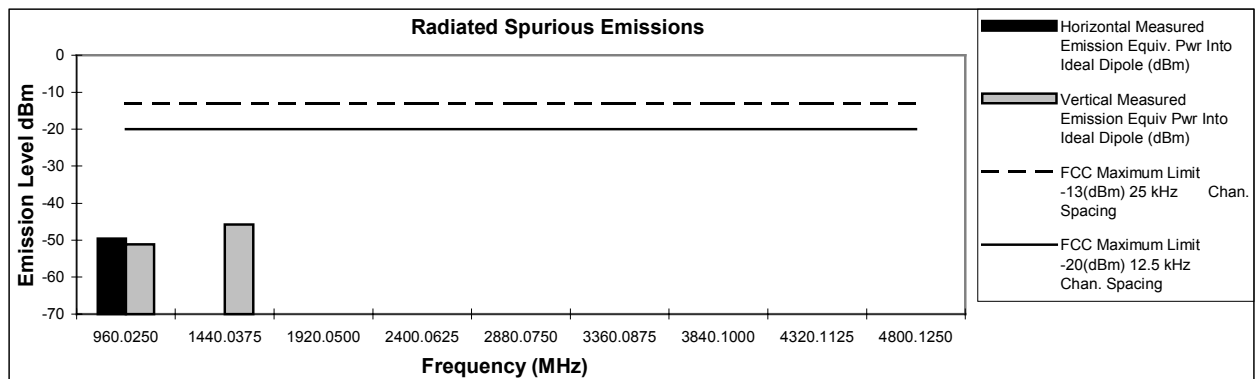
The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Transmitter Radiated Spurious Emissions: Pirahna**465.0125 MHz****1 Watts****Channel Spacing 25kHz | S/N PVLyu9QE**

Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
930.0250	-13	-20	-49.53	-57.67
1395.0375	-13	-20	*	*
1860.0500	-13	-20	*	*
2325.0625	-13	-20	-41.71	*
2790.0750	-13	-20	*	*
3255.0875	-13	-20	*	*
3720.1000	-13	-20	*	*
4185.1125	-13	-20	*	*
4650.1250	-13	-20	*	*

**Transmitter Radiated Spurious Emissions: Pirahna****480.0125 MHz****1 Watts****Channel Spacing 25kHz | S/N PVLyu9QE**

Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
960.0250	-13	-20	-49.62	-51.09
1440.0375	-13	-20	*	-45.71
1920.0500	-13	-20	*	*
2400.0625	-13	-20	*	*
2880.0750	-13	-20	*	*
3360.0875	-13	-20	*	*
3840.1000	-13	-20	*	*
4320.1125	-13	-20	*	*
4800.1250	-13	-20	*	*

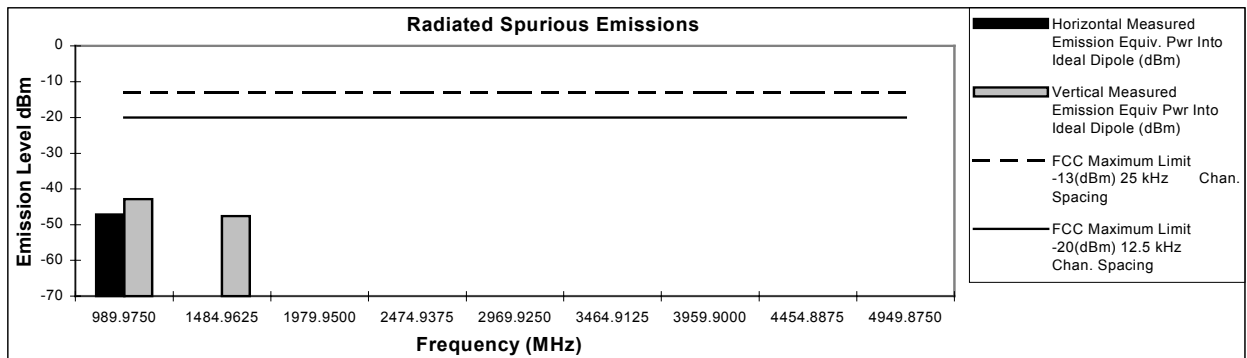


* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

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

Transmitter Radiated Spurious Emissions: Pirahna**494.9875 MHz****1 Watts****Channel Spacing 25kHz | S/N PVLyu9QE**

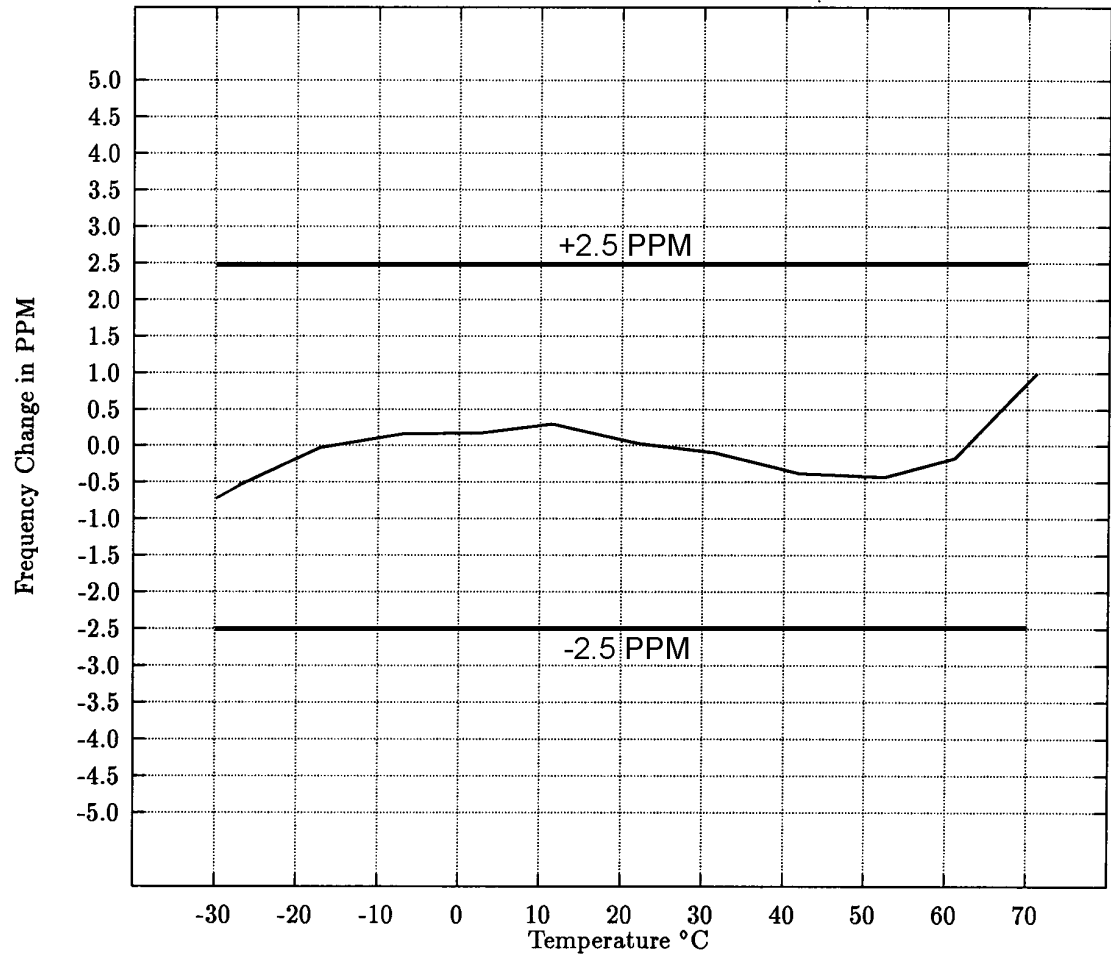
Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
989.9750	-13	-20	-47.13	-42.88
1484.9625	-13	-20	*	-47.59
1979.9500	-13	-20	*	*
2474.9375	-13	-20	*	*
2969.9250	-13	-20	*	*
3464.9125	-13	-20	*	*
3959.9000	-13	-20	*	*
4454.8875	-13	-20	*	*
4949.8750	-13	-20	*	*



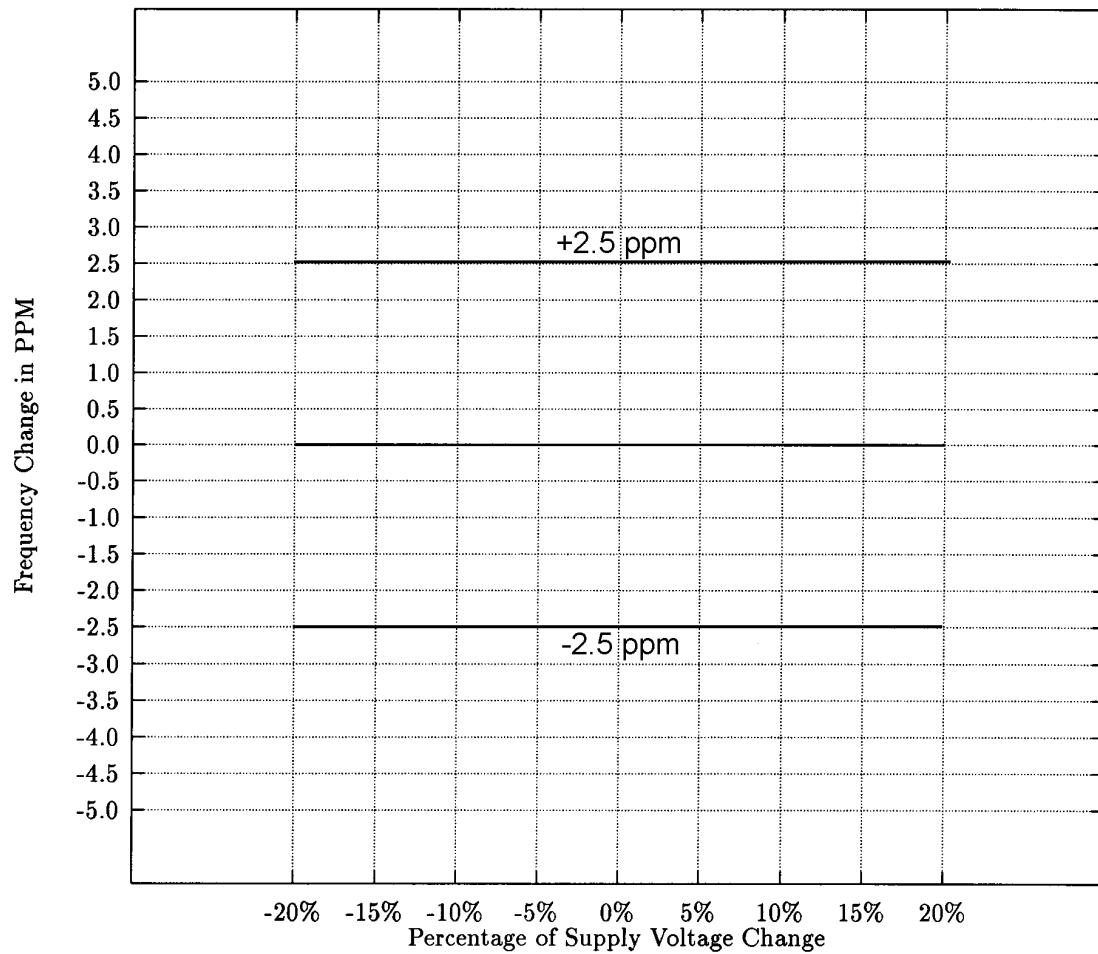
* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

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

FREQUENCY STABILITY VS. TEMPERATURE
SPECIFIED LIMITS: ± 2.5 PPM (-30 TO +60 DEGREES C)

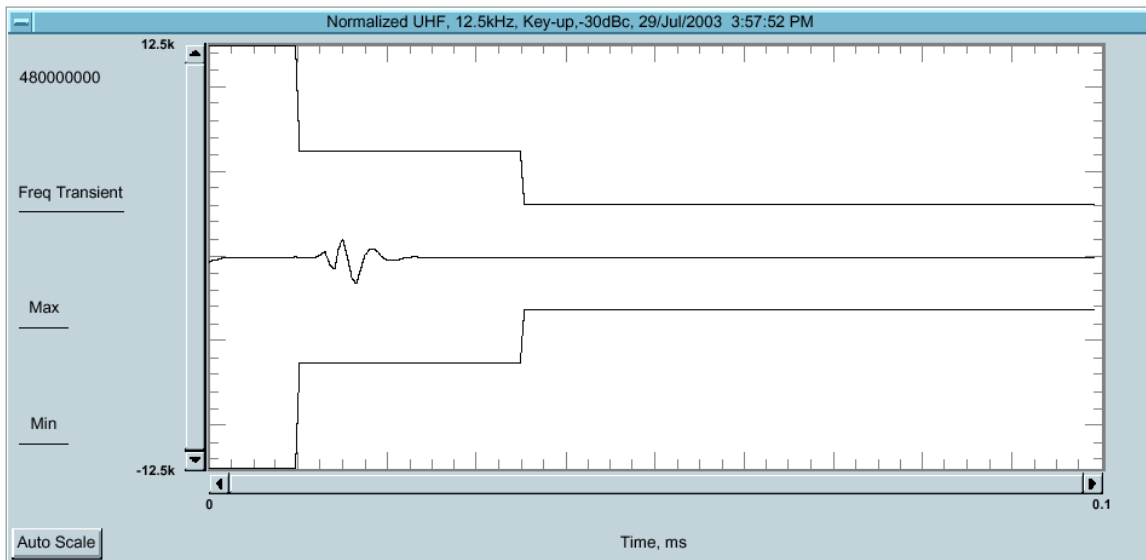
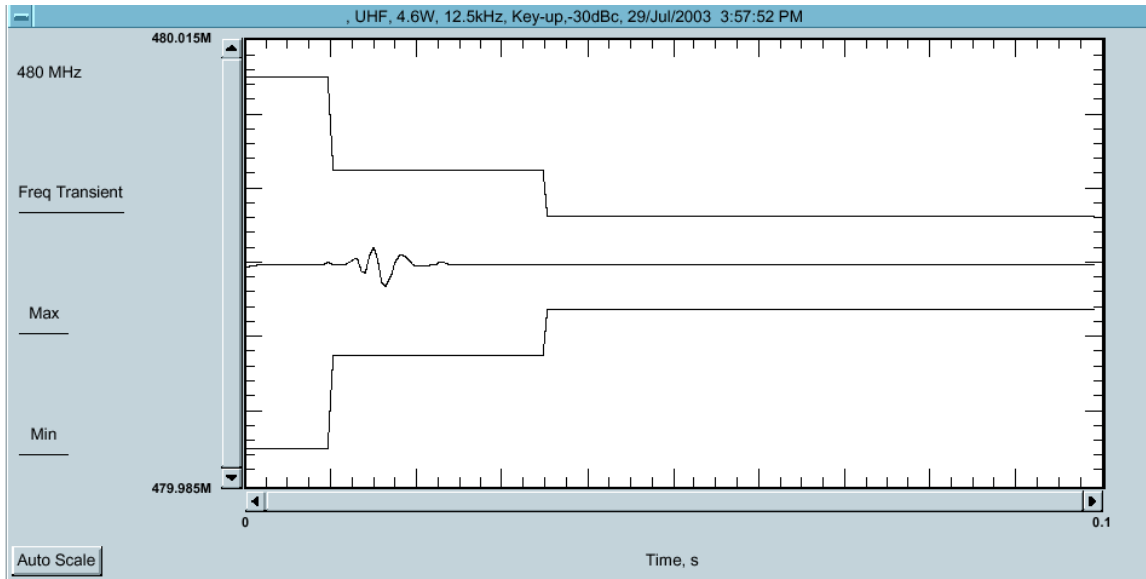


FREQUENCY STABILITY VS. SUPPLY VOLTAGE
REFERENCE 0% = 7.50 VOLTS DC

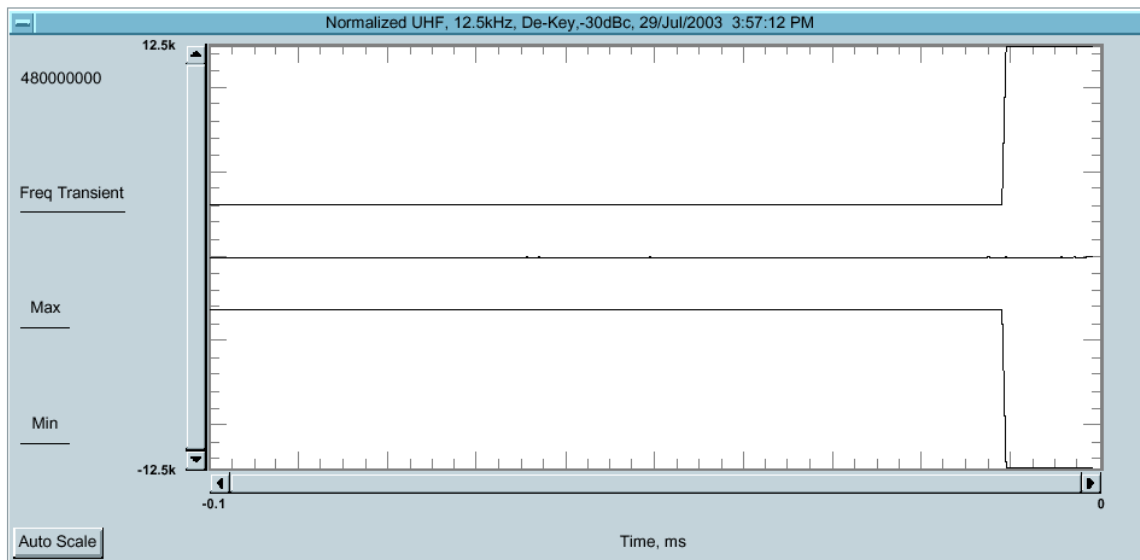
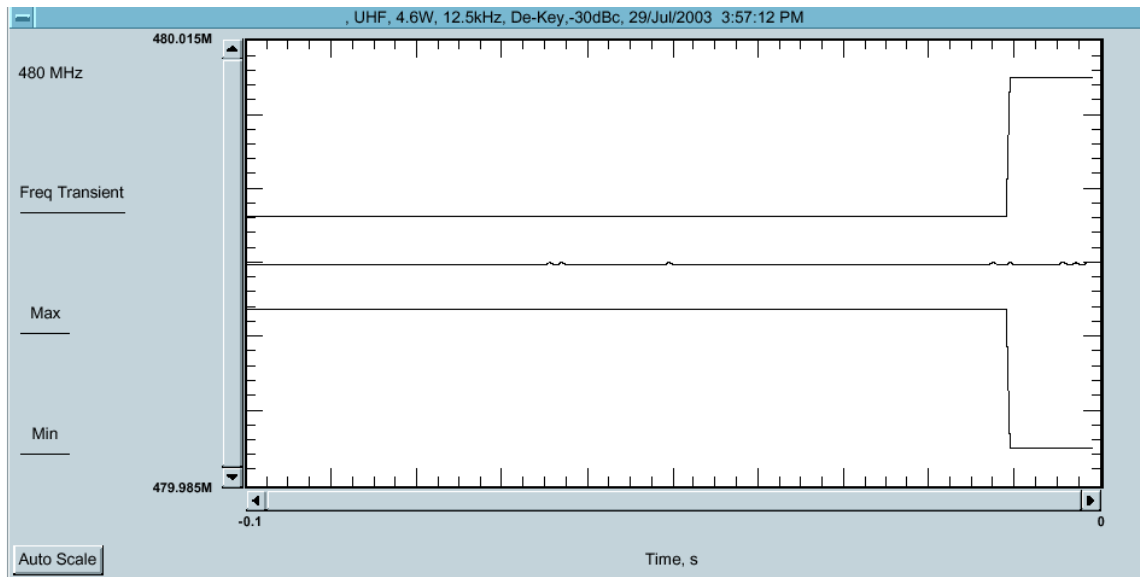


RADIO LOW-VOLTAGE RESET OCCURS AT 5.2 VOLTS DC
WHICH IS -30.6% OF THE NOMINAL 7.5 VOLT DC SUPPLY

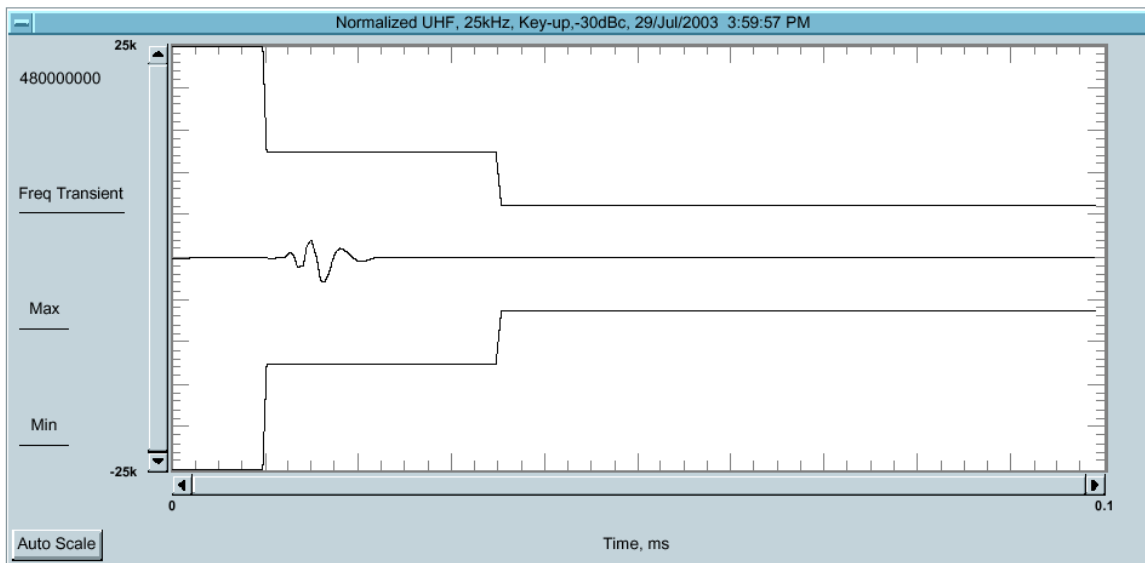
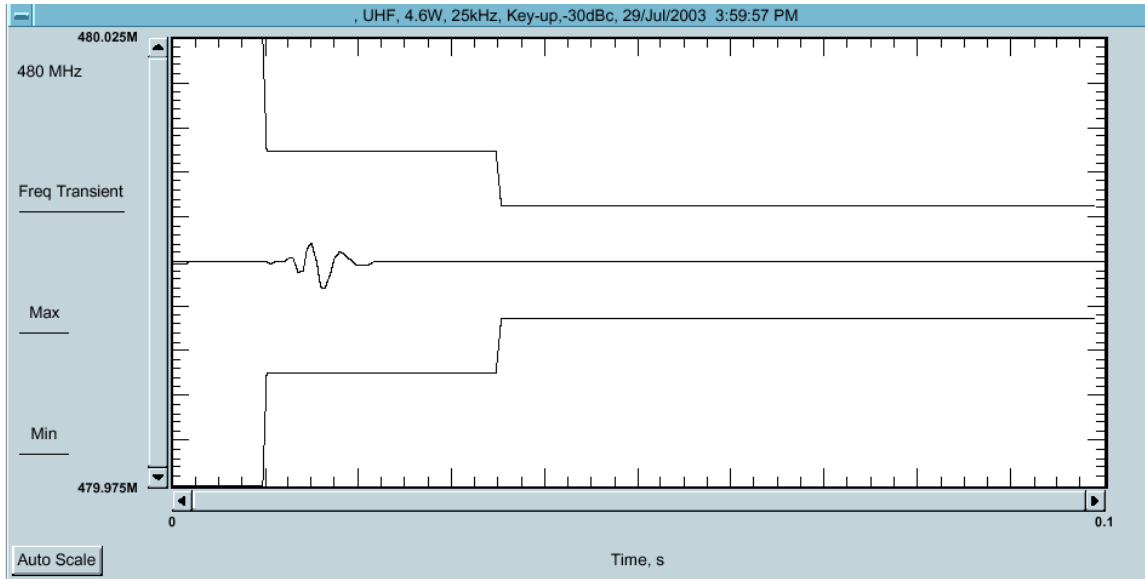
TRANSIENT FREQUENCY BEHAVIOR
4.6 WATTS, 12.5 kHz, KEY-UP ATTACK TIME



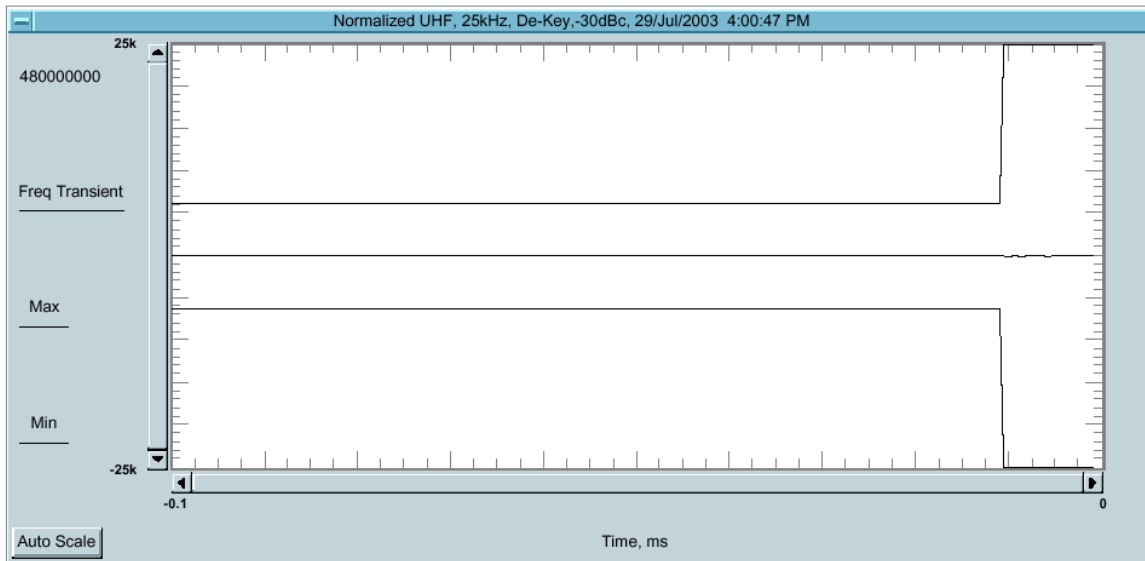
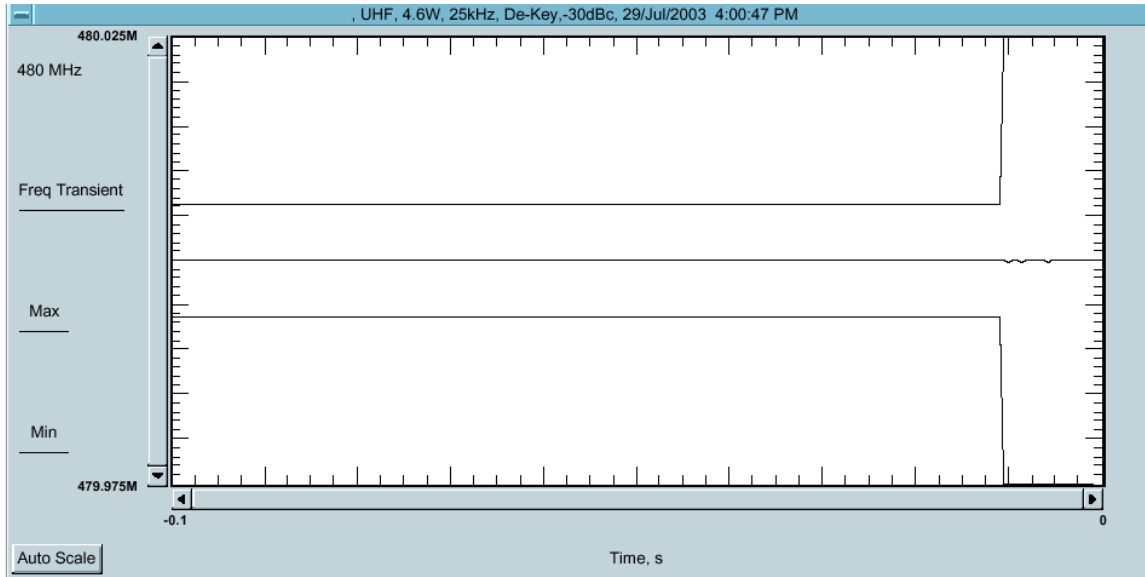
TRANSIENT FREQUENCY BEHAVIOR
4.6 WATTS, 12.5 kHz, DE-KEY DECAY TIME



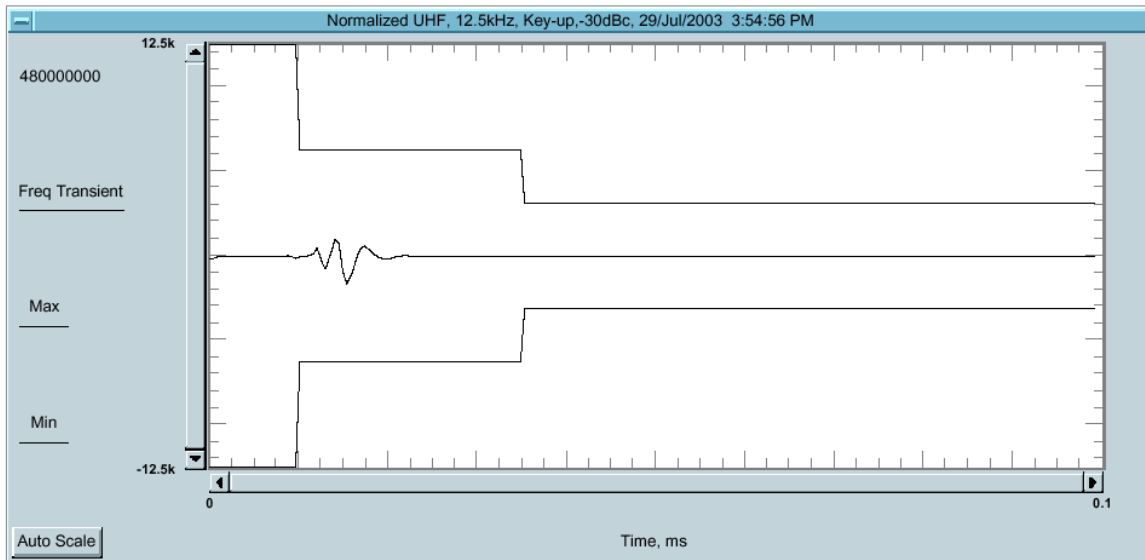
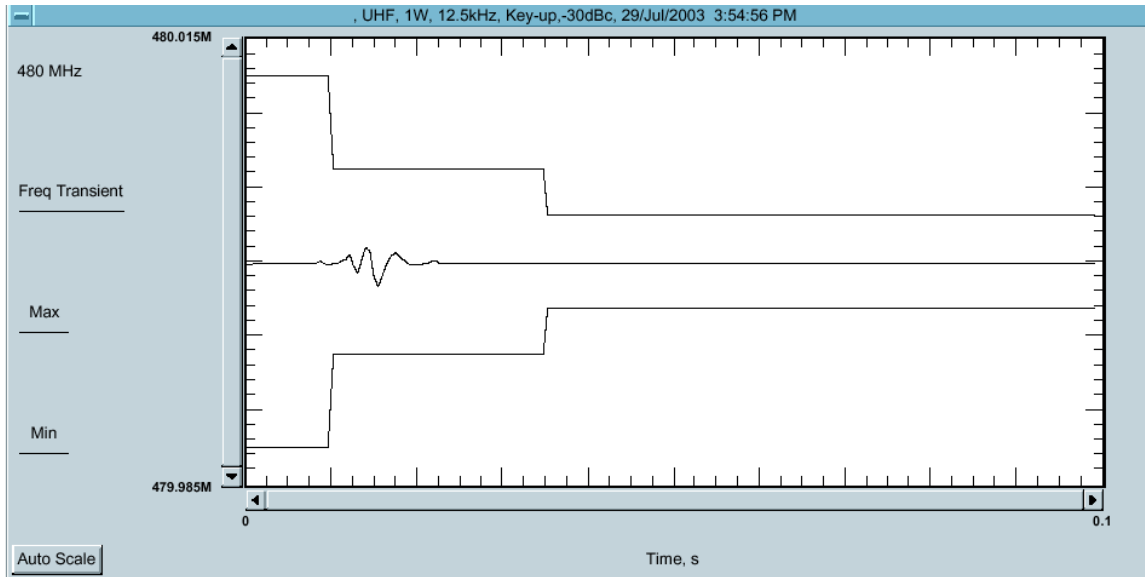
TRANSIENT FREQUENCY BEHAVIOR
4.6 WATTS, 25 kHz, KEY-UP ATTACK TIME



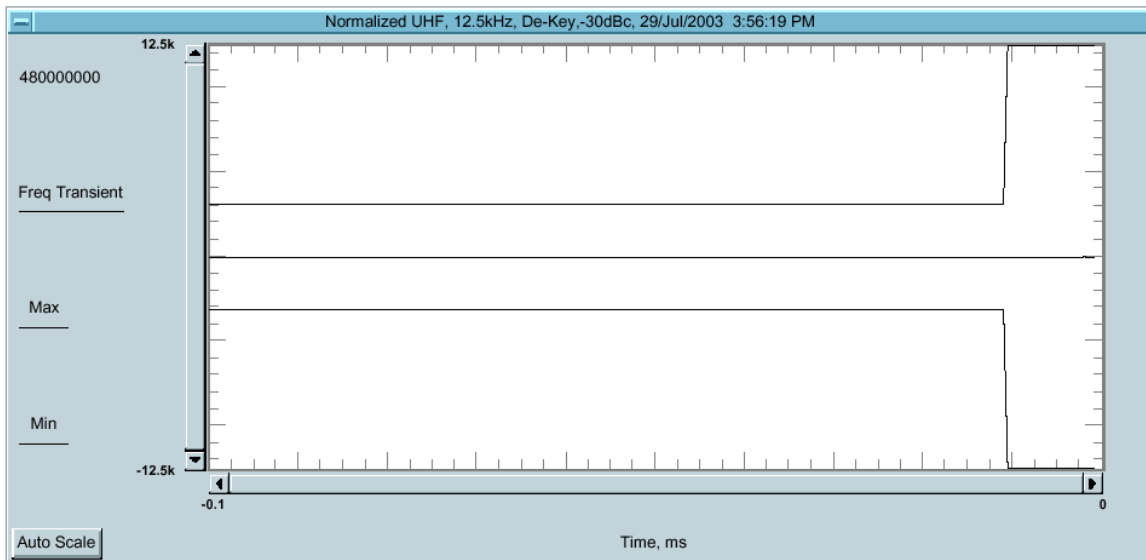
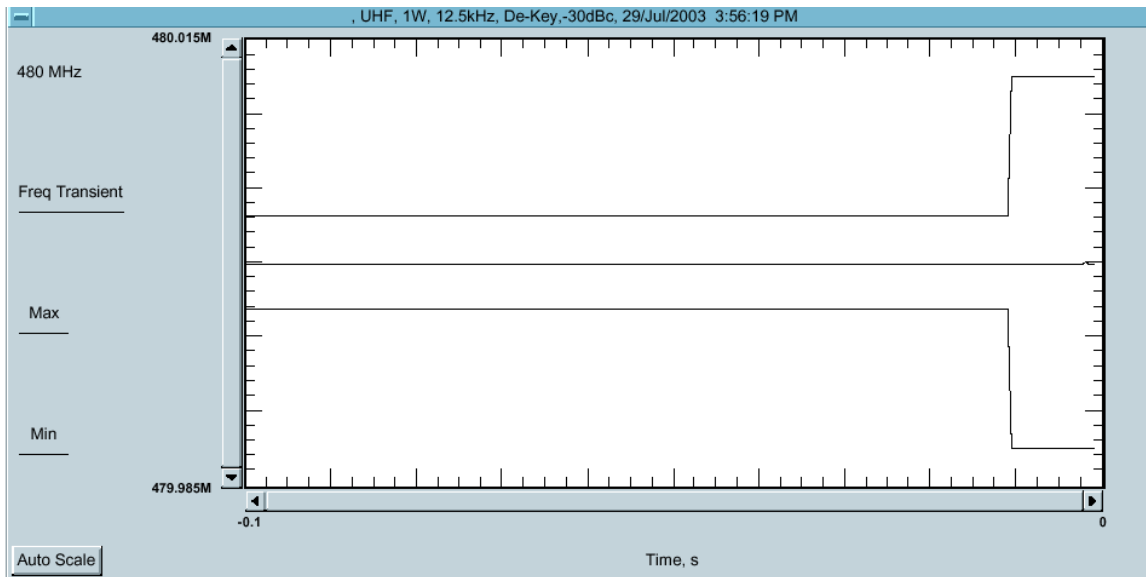
TRANSIENT FREQUENCY BEHAVIOR
4.6 WATTS, 25 kHz, DE-KEY DECAY TIME



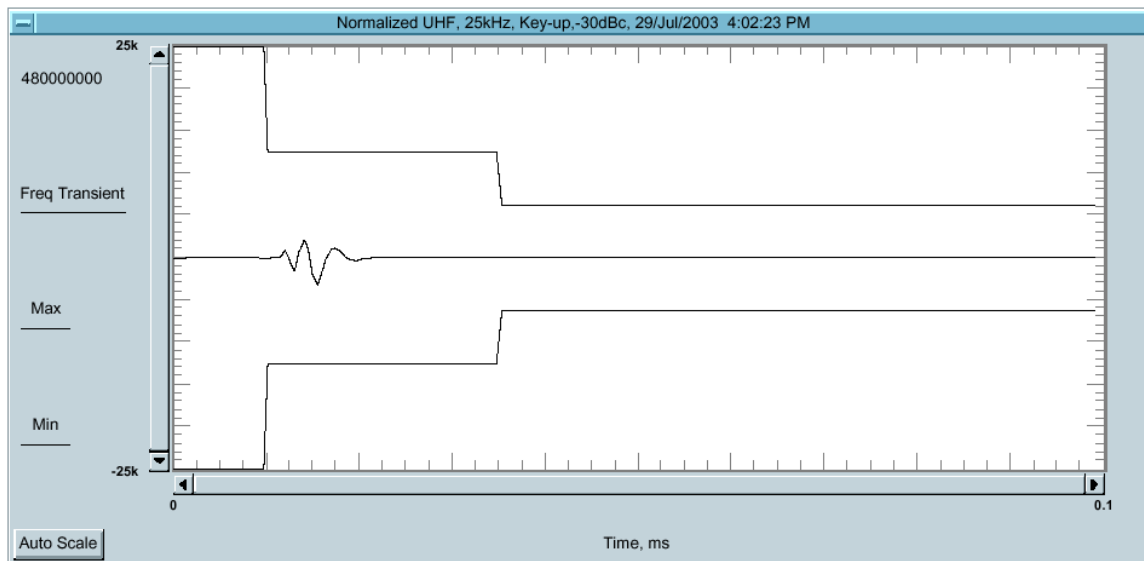
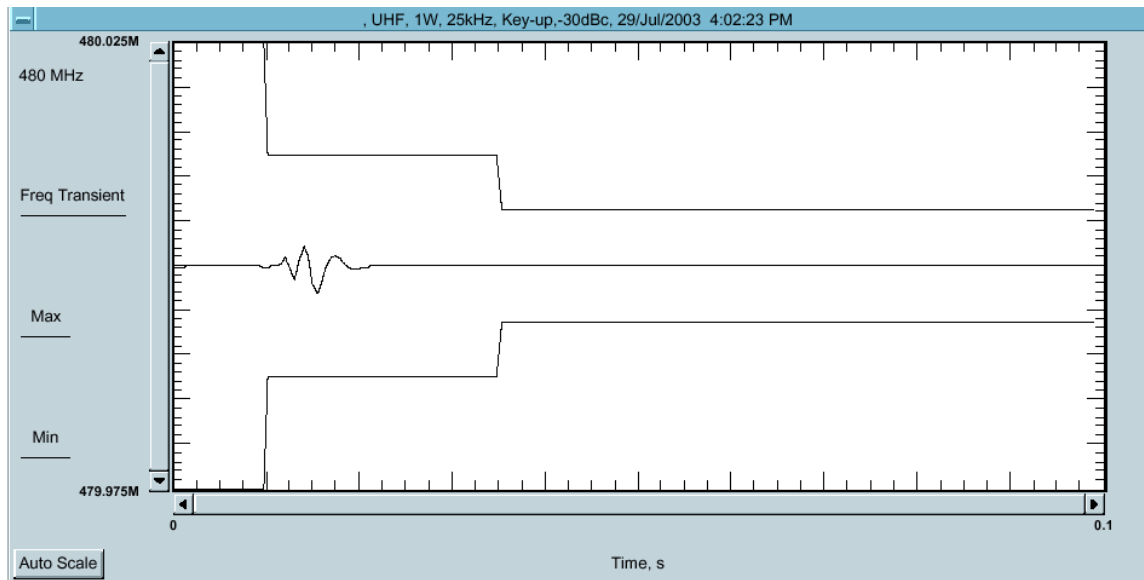
TRANSIENT FREQUENCY BEHAVIOR
1 WATT, 12.5 kHz, KEY-UP ATTACK TIME



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



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



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

