

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 (2 Graphs)**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 (12 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 2000/3000 Hz FSK Data Modulation Only

6E-5 – 12.5 kHz 2000/3000 Hz FSK Data and TPL (CTCSS) Modulation

6E-6 – 12.5 kHz 2000/3000 Hz FSK Data and DPL (CDCSS) Modulation

6E-7 – 25 kHz 2500 Hz Audio Modulation Only

6E-8 – 25 kHz 2500 Hz Audio and TPL (CTCSS) Modulation

6E-9 – 25 kHz 2500 Hz Audio and DPL (CDCSS) Modulation

6E-10 – 25 kHz 2000/3000 Hz FSK Data Modulation Only

6E-11 – 25 kHz 2000/3000 Hz FSK Data and TPL (CTCSS) Modulation

6E-12 – 25 kHz 2000/3000 Hz FSK Data and DPL (CDCSS) Modulation

EXHIBIT 6F - Conducted Spurious Emissions (6 Graphs)

6F-1 – 54.0 Watts, 146.025 MHz

6F-2 – 54.0 Watts, 160.025 MHz

6F-3 – 54.0 Watts, 173.975 MHz

6F-4 – 25.0 Watts, 146.025 MHz

6F-5 – 25.0 Watts, 160.025 MHz

6F-6 – 25.0 Watts, 173.975 MHz

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

6G-1 – 54.0 Watts, 146.000 MHz, 12.5 kHz Channel Spacing, Horizontal
6G-2 – 54.0 Watts, 146.000 MHz, 12.5 kHz Channel Spacing, Vertical
6G-3 – 54.0 Watts, 146.000 MHz, 25 kHz Channel Spacing, Horizontal
6G-4 – 54.0 Watts, 146.000 MHz, 25 kHz Channel Spacing, Vertical
6G-5 – 54.0 Watts, 160.000 MHz, 12.5 kHz Channel Spacing, Horizontal
6G-6 – 54.0 Watts, 160.000 MHz, 12.5 kHz Channel Spacing, Vertical
6G-7 – 54.0 Watts, 160.000 MHz, 25 kHz Channel Spacing, Horizontal
6G-8 – 54.0 Watts, 160.000 MHz, 25 kHz Channel Spacing, Vertical
6G-9 – 54.0 Watts, 174.000 MHz, 12.5 kHz Channel Spacing, Horizontal
6G-10 – 54.0 Watts, 174.000 MHz, 12.5 kHz Channel Spacing, Vertical
6G-11 – 54.0 Watts, 174.000 MHz, 25 kHz Channel Spacing, Horizontal
6G-12 – 54.0 Watts, 174.000 MHz, 25 kHz Channel Spacing, Vertical

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 – 54.0 Watts, 12.5 kHz Key-Up Attack Time
6I-2 – 54.0 Watts, 12.5 kHz De-Key Decay Time
6I-3 – 54.0 Watts, 25 kHz Key-Up Attack Time
6I-4 – 54.0 Watts, 25 kHz De-Key Decay Time
6I-5 – 25.0 Watts, 12.5 kHz Key-Up Attack Time
6I-6 – 25.0 Watts, 12.5 kHz De-Key Decay Time
6I-7 – 25.0 Watts, 25 kHz Key-Up Attack Time
6I-8 – 25.0 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 146.000 MHz

Measured RF Output Power:	54.0 Watts
Measured DC Voltage:	13.57 Volts
Measured DC Input Current:	6.60 Amperes
Measured DC Input Power:	89.56 Watts

LOW POWER SETTING, FREQUENCY 146.000 MHz

Measured RF Output Power:	25.0 Watt
Measured DC Voltage:	13.57 Volts
Measured DC Input Current:	4.34 Amperes
Measured DC Input Power:	58.89 Watts

HIGH POWER SETTING, FREQUENCY 160.000 MHz

Measured RF Output Power:	54.0 Watts
Measured DC Voltage:	13.57 Volts
Measured DC Input Current:	6.10 Amperes
Measured DC Input Power:	82.78 Watts

LOW POWER SETTING, FREQUENCY 160.000 MHz

Measured RF Output Power:	25.0 Watt
Measured DC Voltage:	13.57 Volts
Measured DC Input Current:	4.00 Amperes
Measured DC Input Power:	54.28 Watts

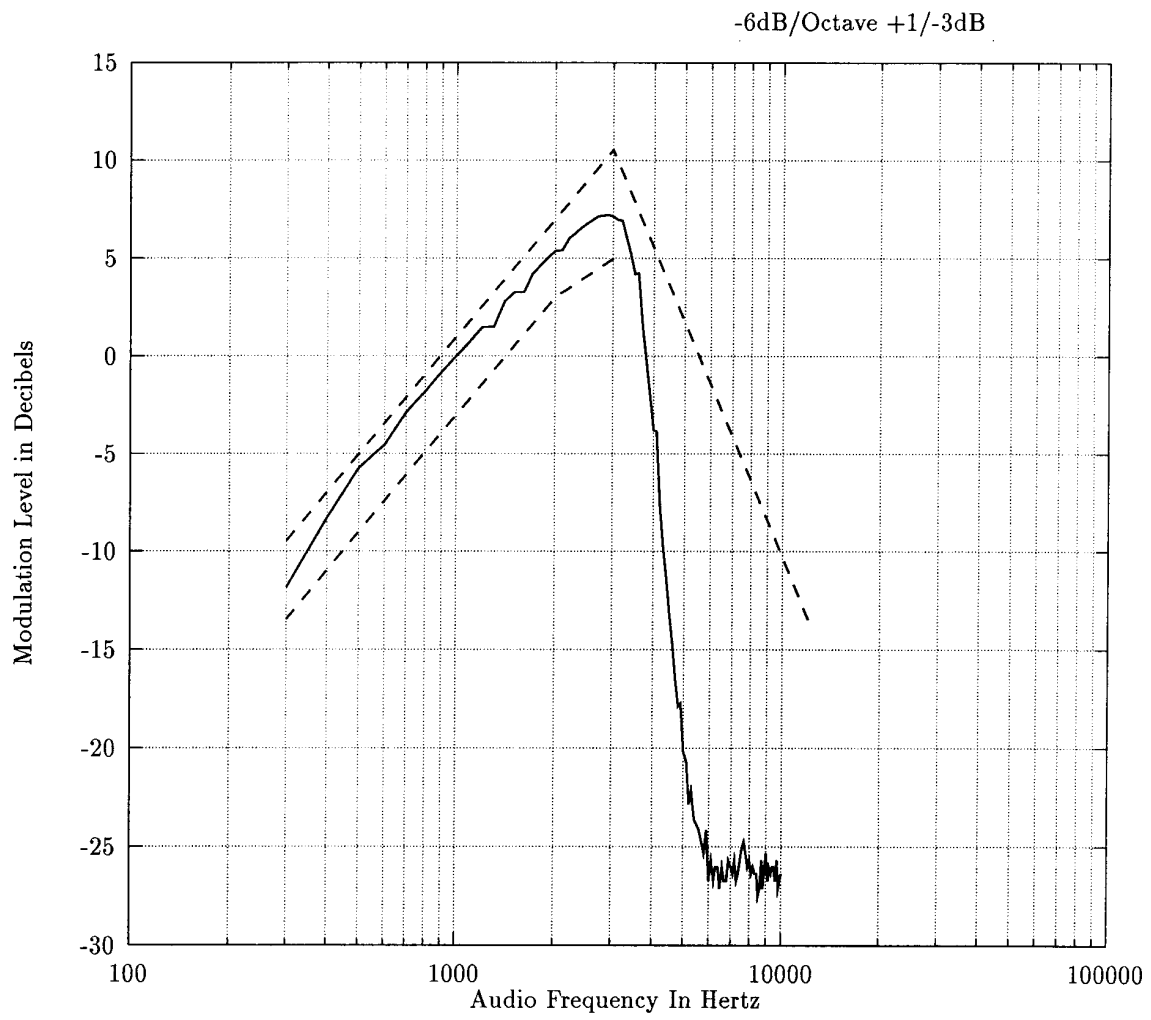
HIGH POWER SETTING, FREQUENCY 174.000 MHz

Measured RF Output Power:	54.0 Watts
Measured DC Voltage:	13.57 Volts
Measured DC Input Current:	6.17 Amperes
Measured DC Input Power:	83.73 Watts

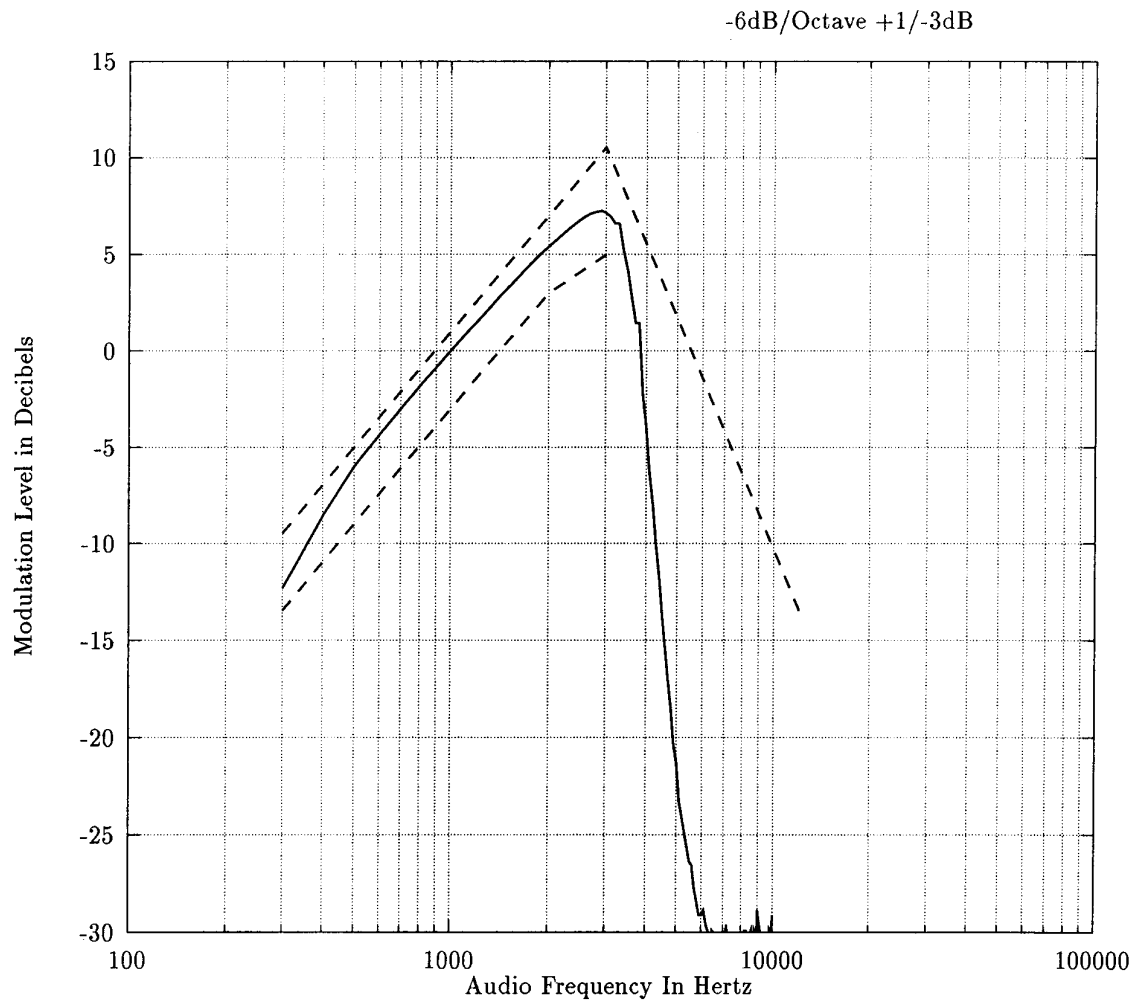
LOW POWER SETTING, FREQUENCY 174.000 MHz

Measured RF Output Power:	25.0 Watt
Measured DC Voltage:	13.57 Volts
Measured DC Input Current:	4.09 Amperes
Measured DC Input Power:	55.50 Watts

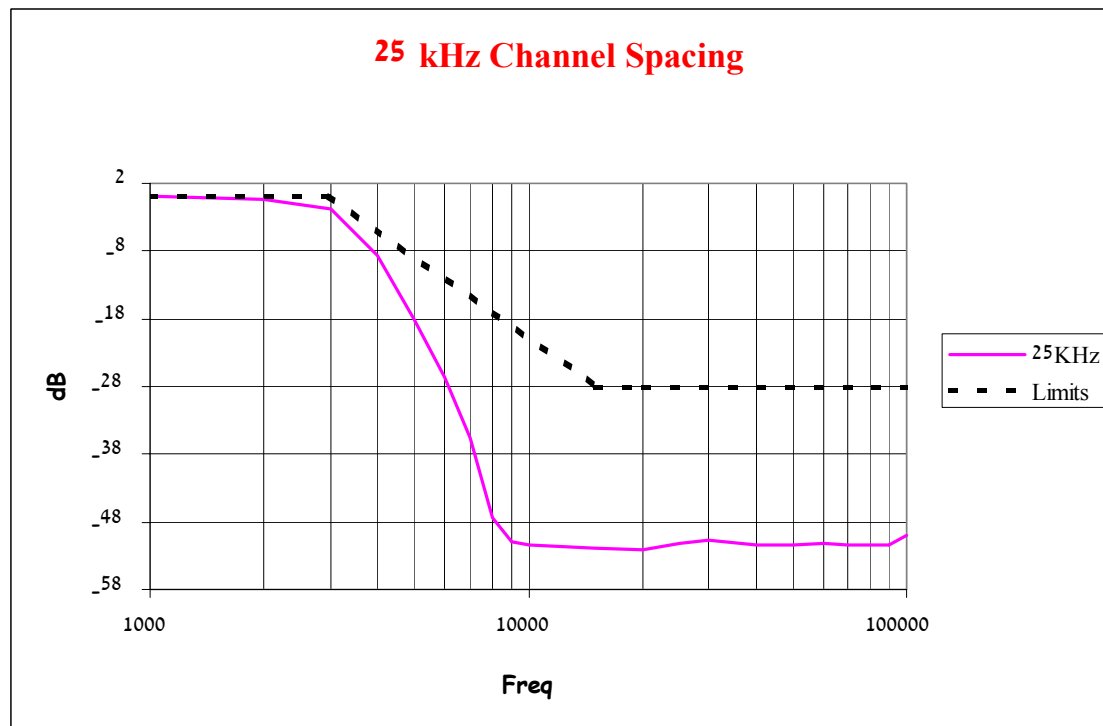
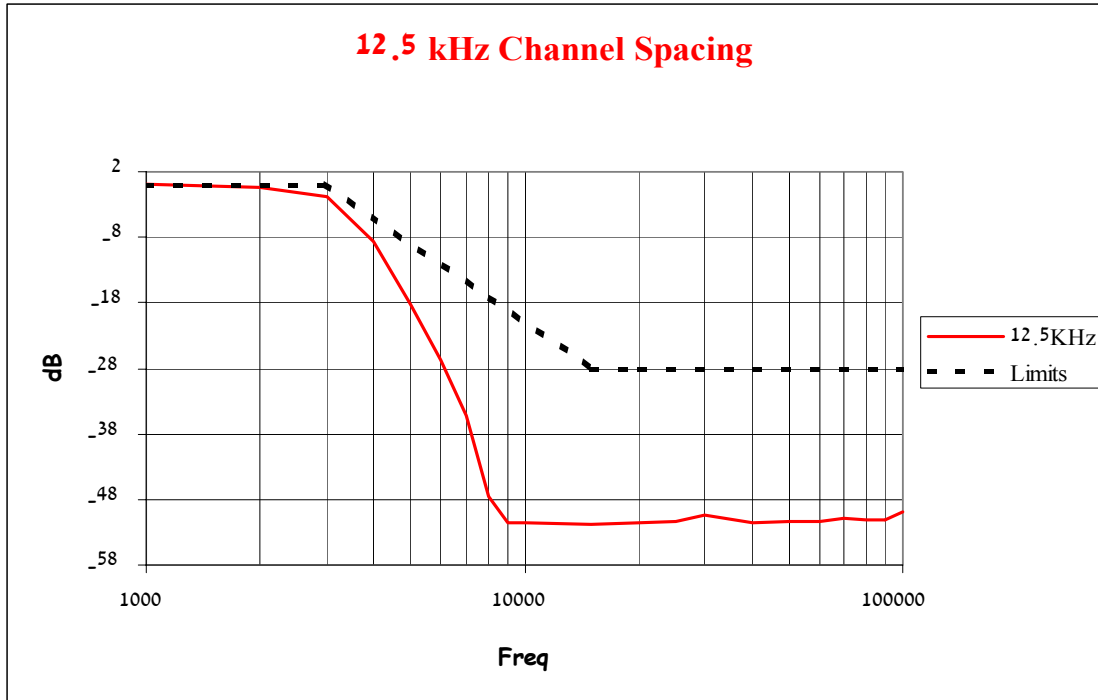
TRANSMIT AUDIO RESPONSE
12.5 kHz CHANNEL SPACING



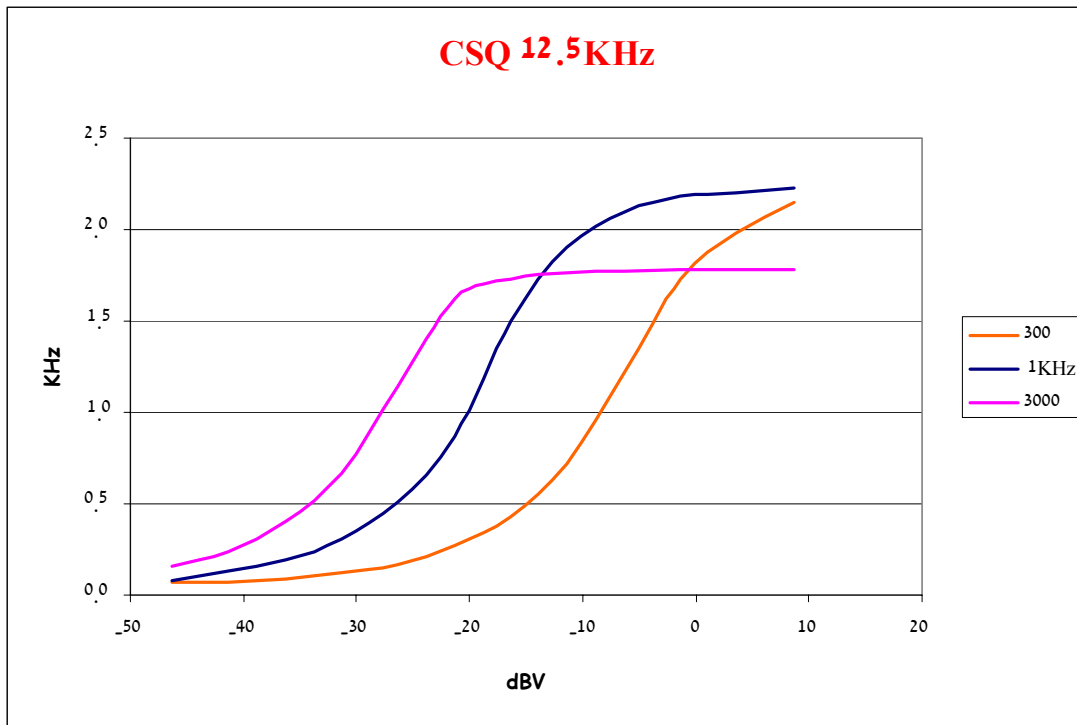
TRANSMIT AUDIO RESPONSE
25 kHz CHANNEL SPACING



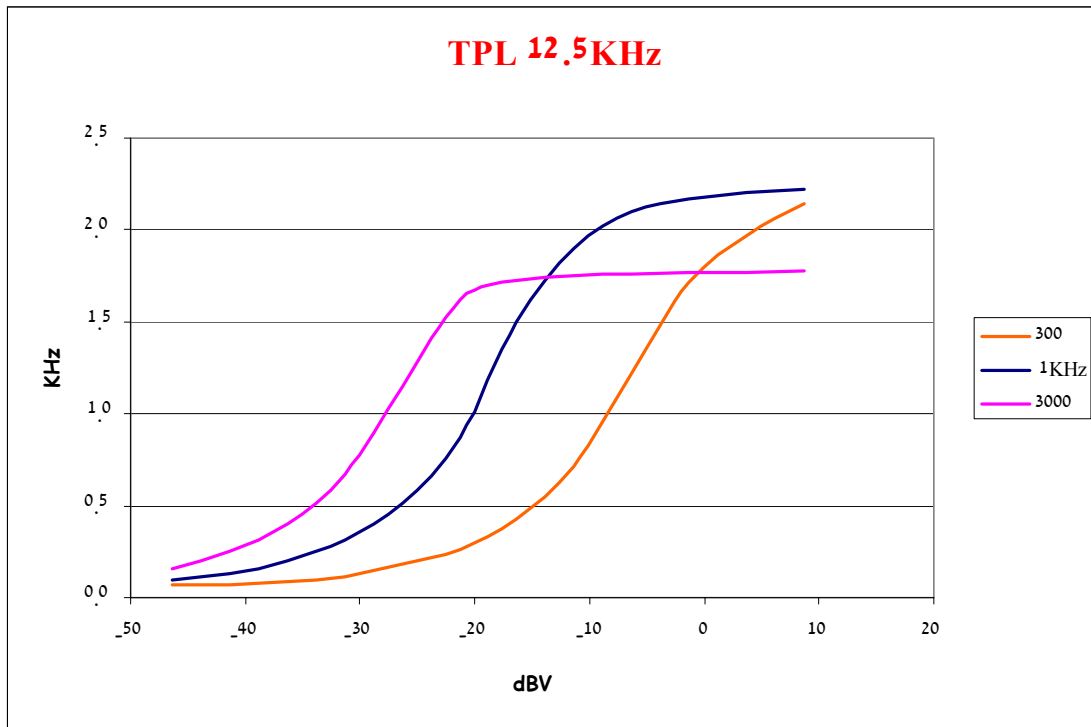
POST-LIMITER LOWPASS FILTER RESPONSE



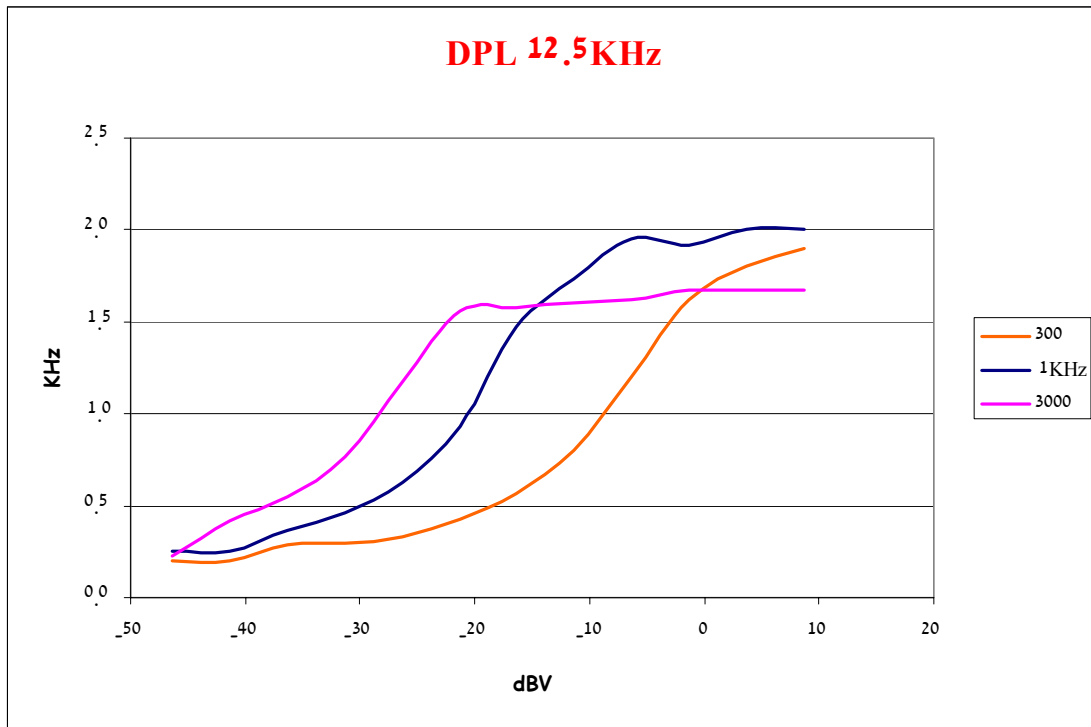
**MODULATION LIMITING CHARACTERISTIC
12.5 kHz CARRIER SQUELCH MODE**



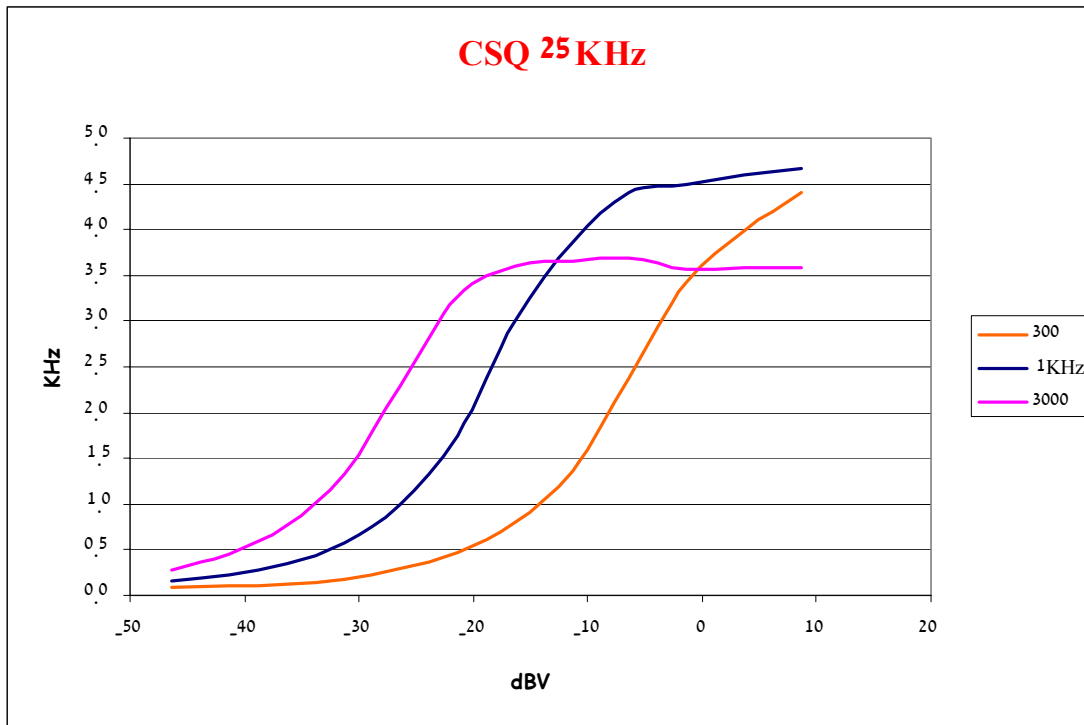
**MODULATION LIMITING CHARACTERISTIC
12.5 kHz TONE PL MODE**



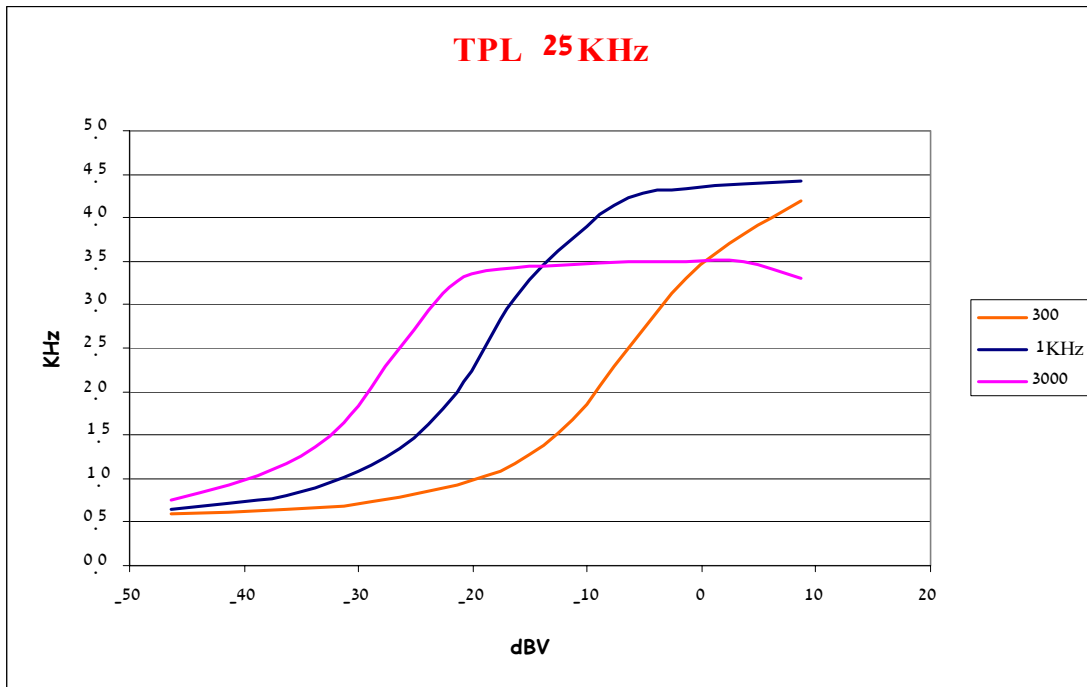
**MODULATION LIMITING CHARACTERISTIC
12.5 kHz DPL MODE**



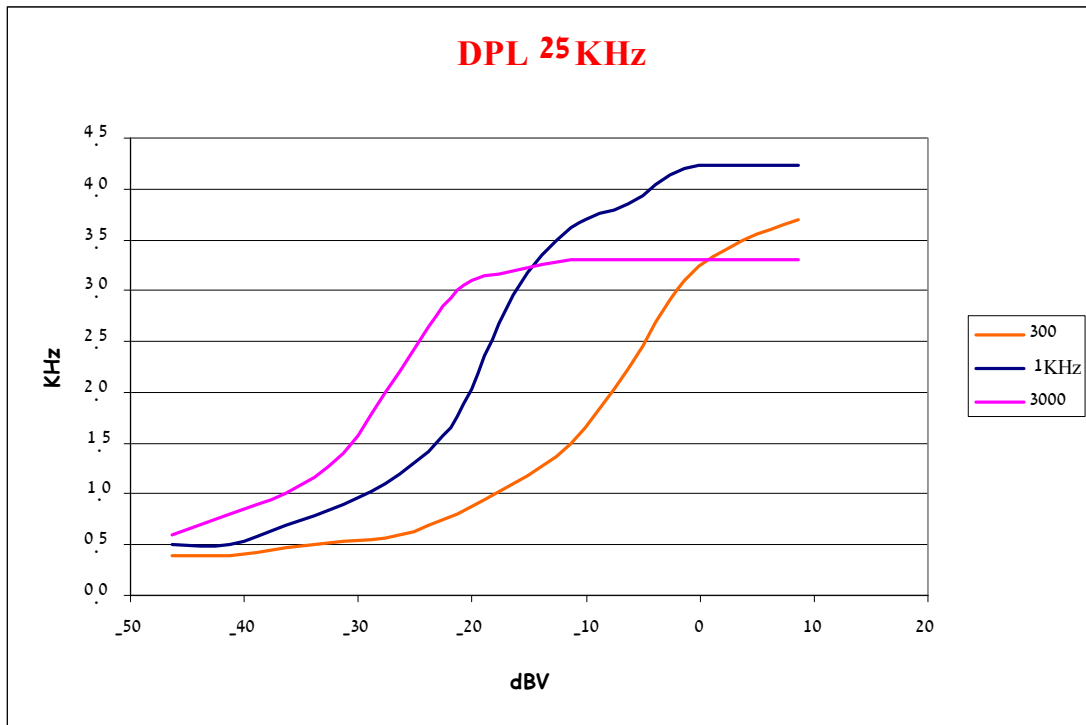
**MODULATION LIMITING CHARACTERISTIC
25 kHz CARRIER SQUELCH MODE**



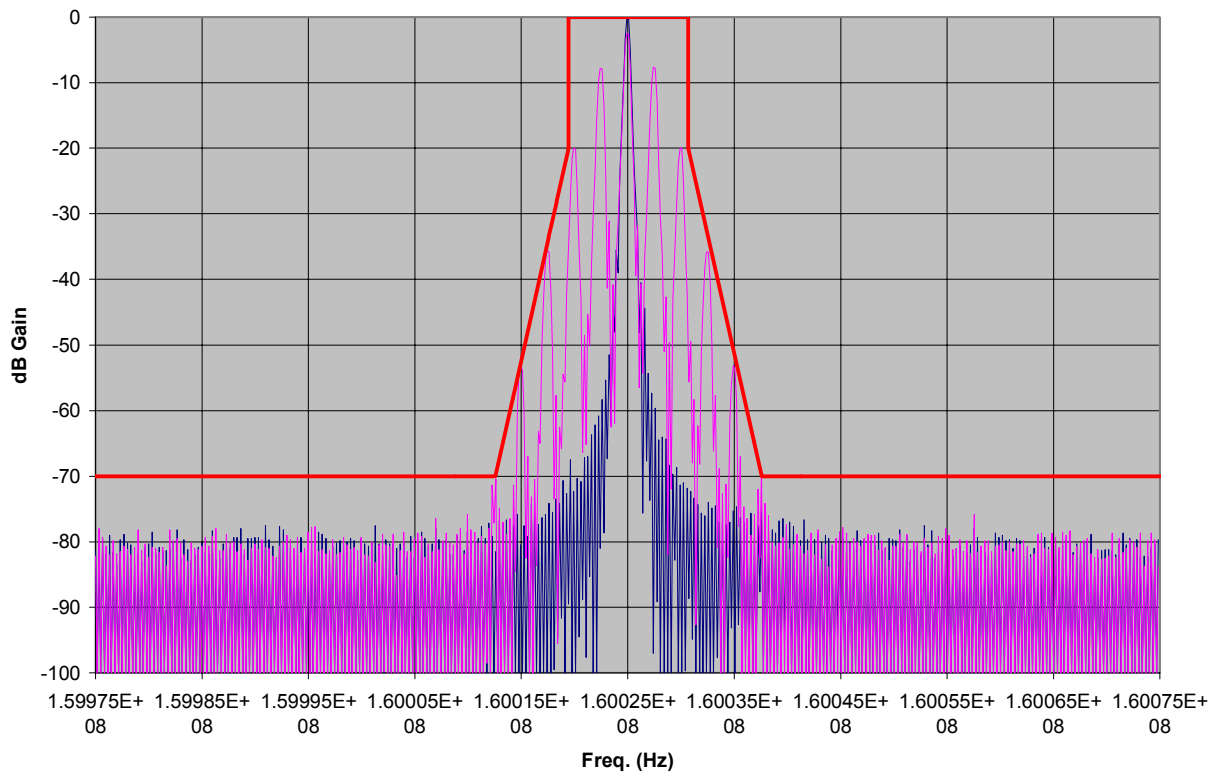
MODULATION LIMITING CHARACTERISTIC
25 kHz TONE PL MODE



**MODULATION LIMITING CHARACTERISTIC
25 kHz DPL MODE**

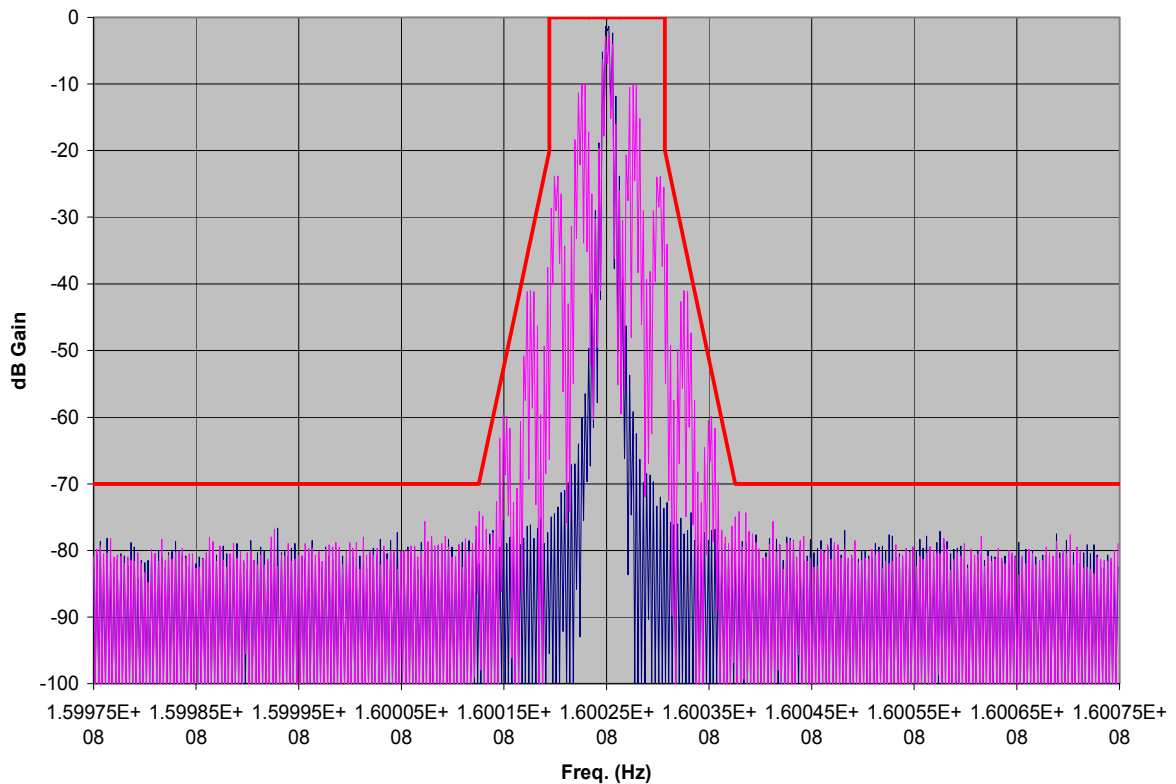


OCCUPIED BANDWIDTH MEASUREMENT FOR
12.5 kHz CHANNEL SPACING, 2500 Hz TONE, CARRIER SQUELCH
EMISSION MASK: D



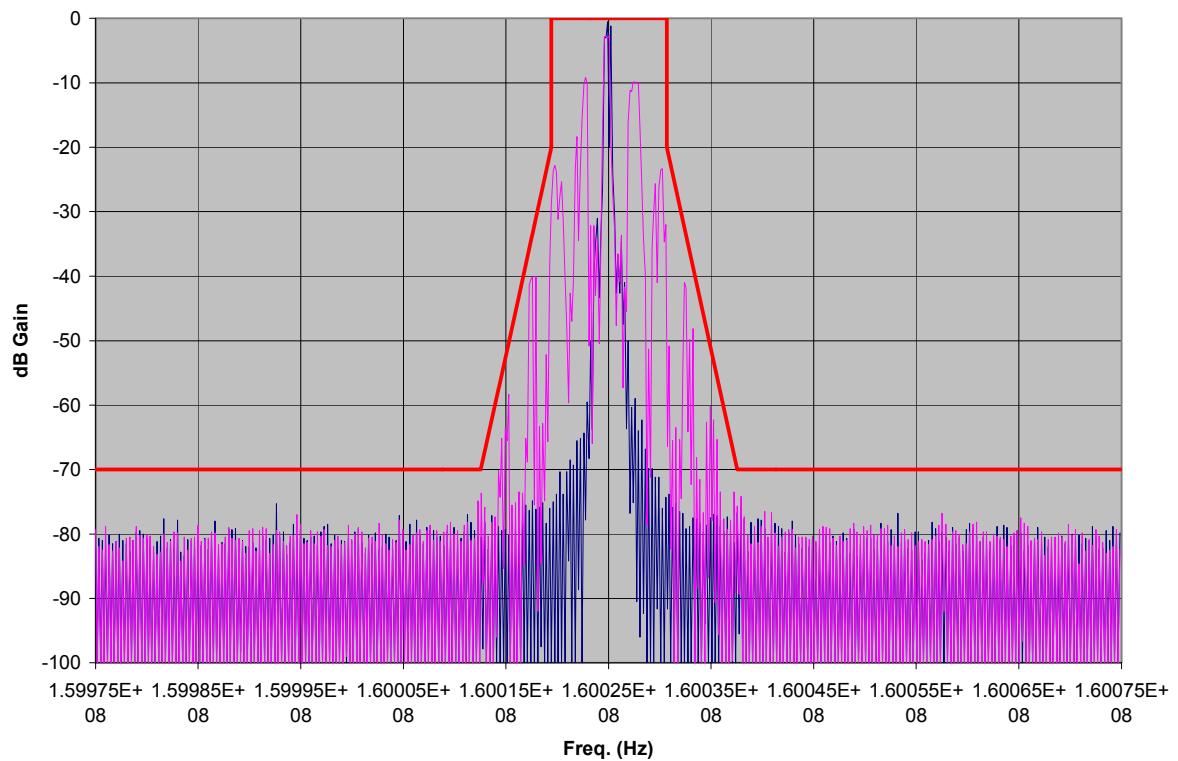
CENTER FREQUENCY:	160.025 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	300 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 54.0 Watts
ATTENUATION:	56 dB

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



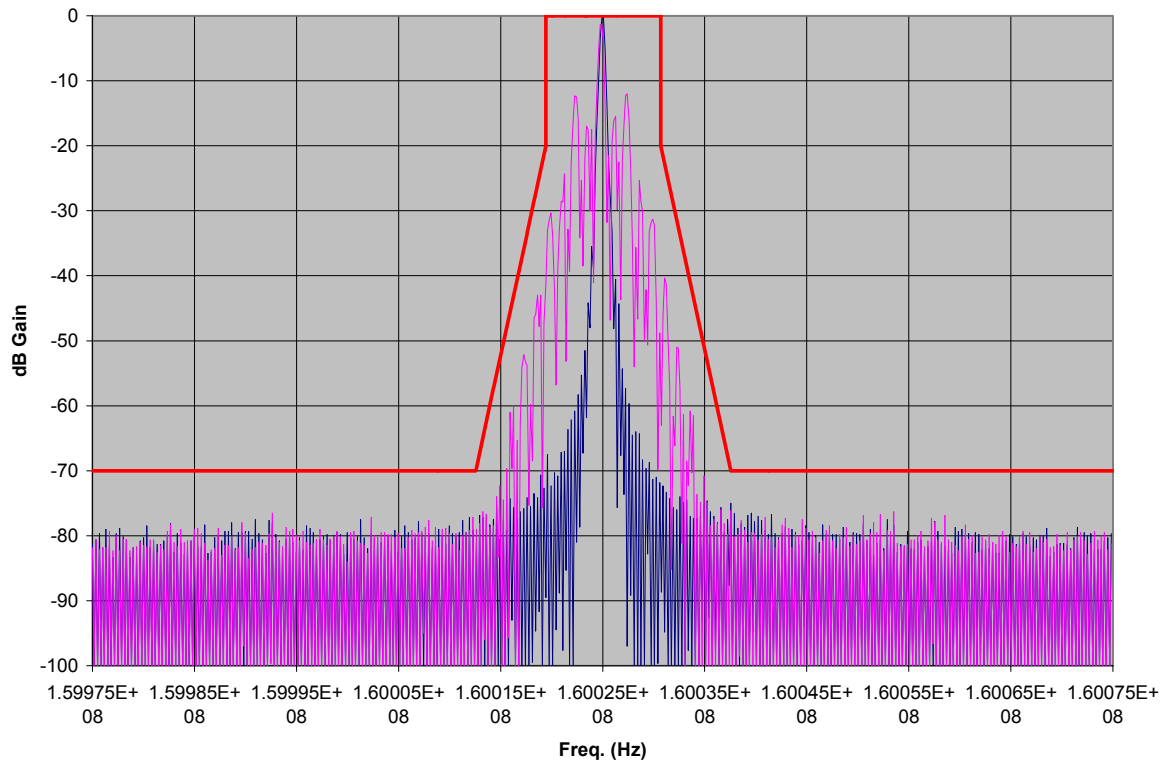
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RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	300 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 54.0 Watts
ATTENUATION:	56 dB

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



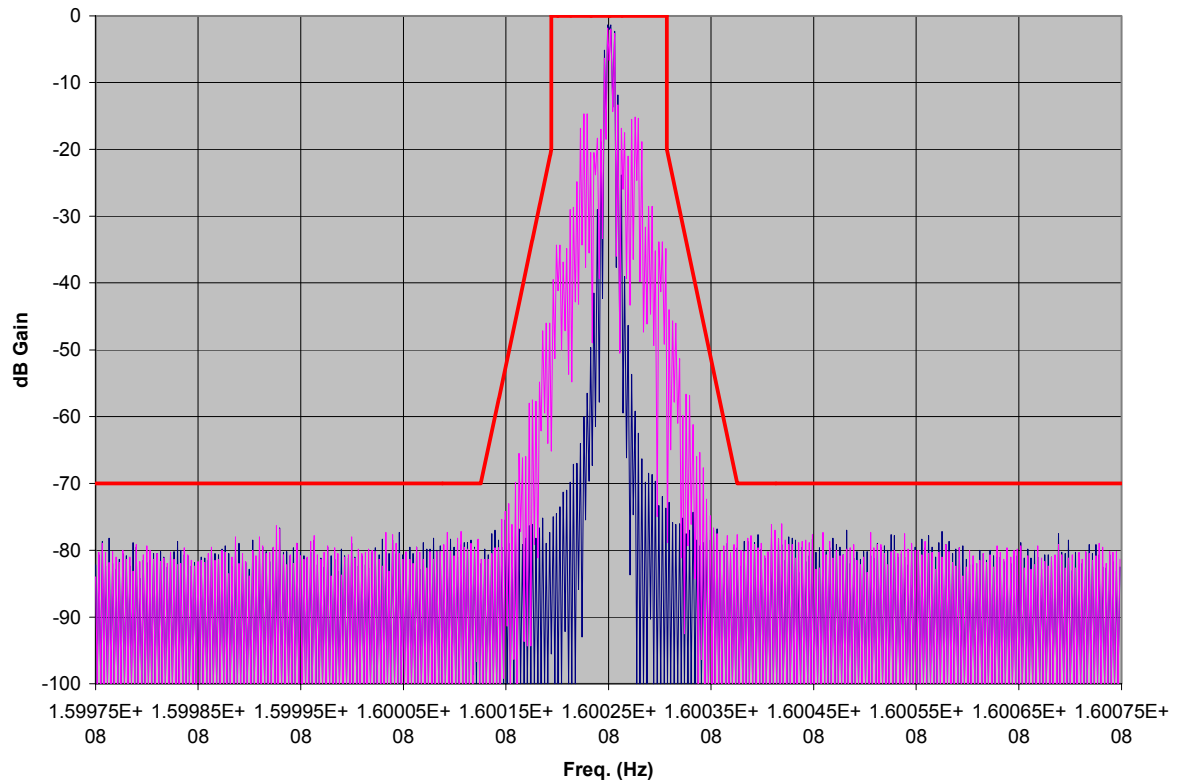
CENTER FREQUENCY:	160.025 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	300 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 54.0 Watts
ATTENUATION:	56 dB

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



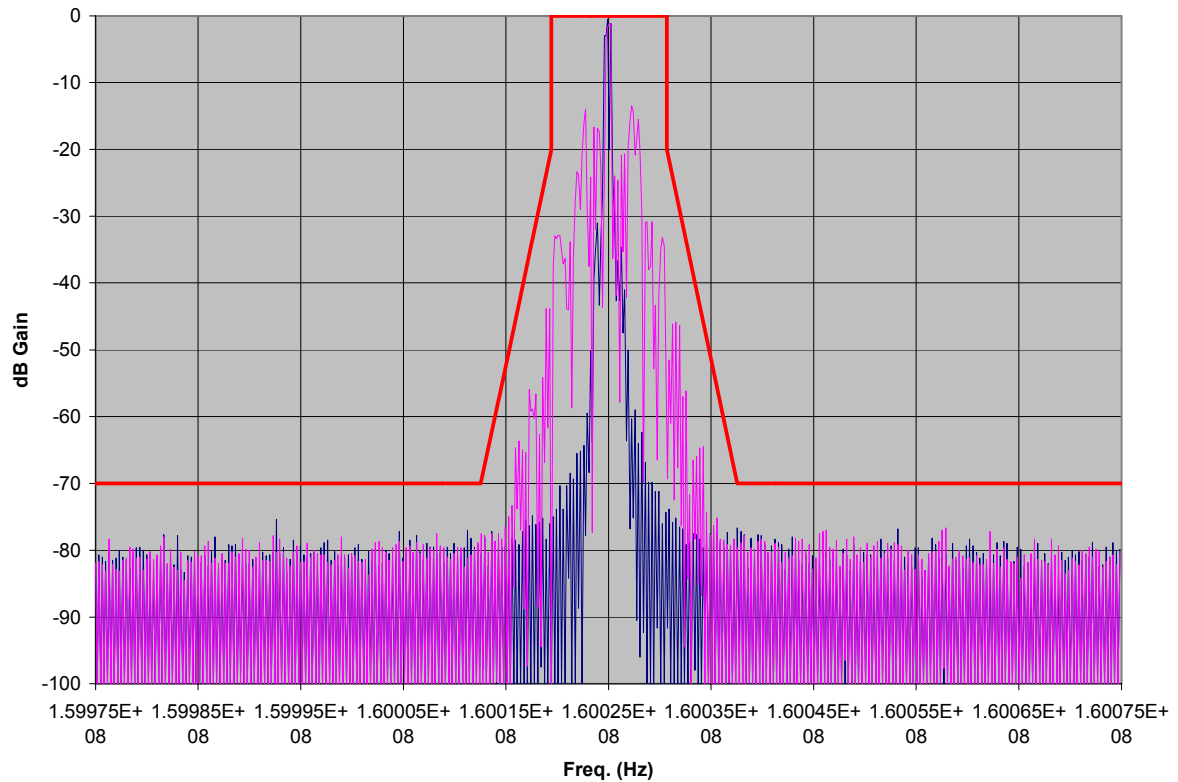
CENTER FREQUENCY:	160.025 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	300 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 54.0 Watts
ATTENUATION:	56 dB

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



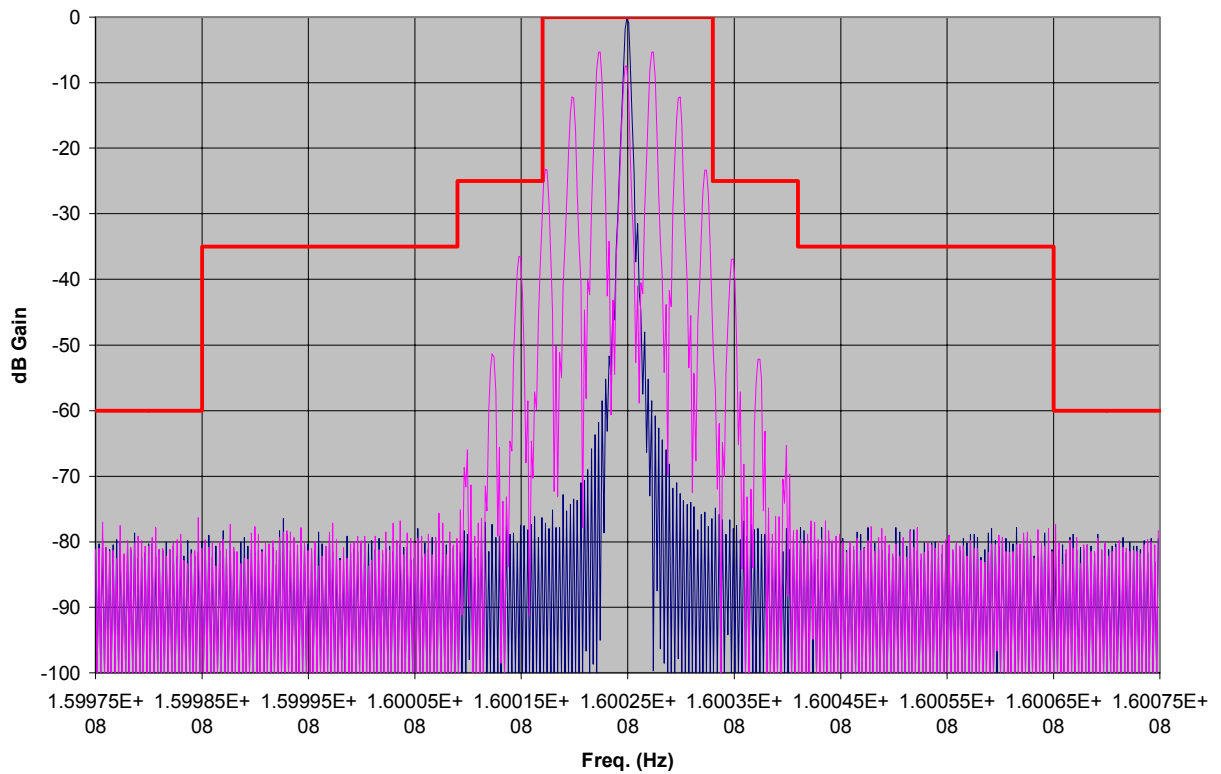
CENTER FREQUENCY:	160.025 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	300 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 54.0 Watts
ATTENUATION:	56 dB

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



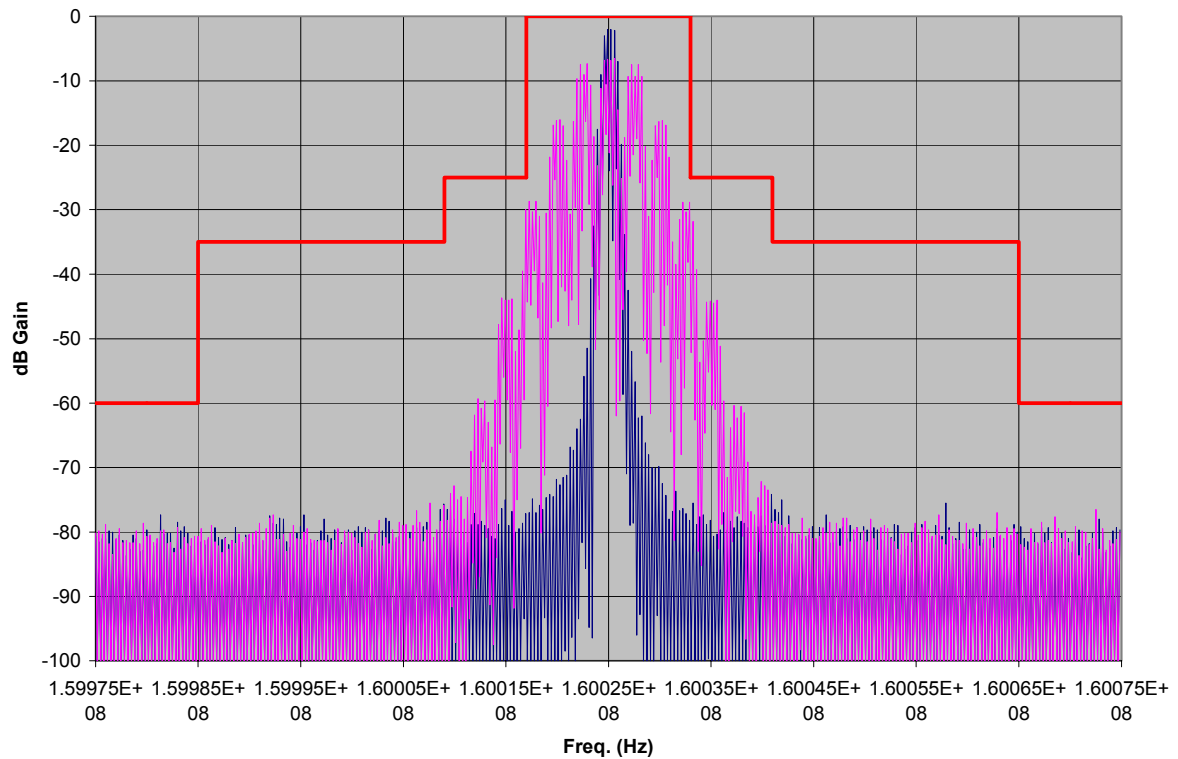
CENTER FREQUENCY:	160.025 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	300 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	3 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 54.0 Watts
ATTENUATION:	56 dB

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



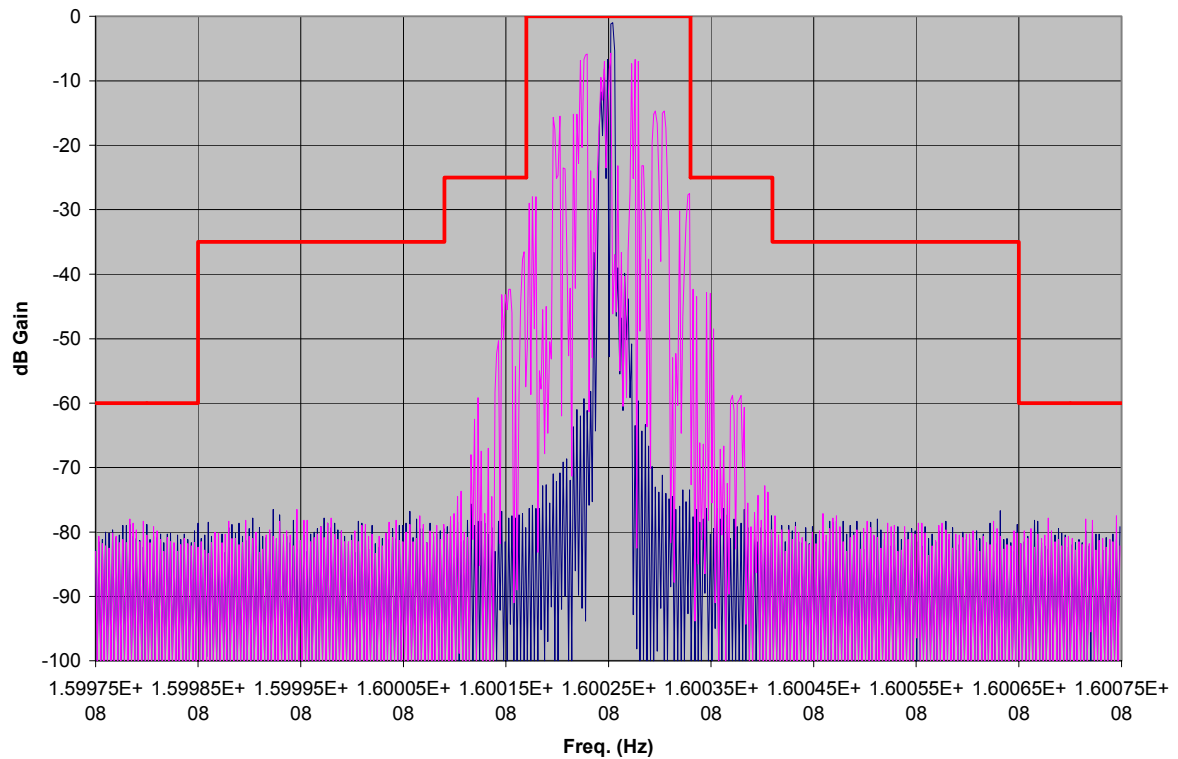
CENTER FREQUENCY:	160.025 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	300 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 54.0 Watts
ATTENUATION:	56 dB

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



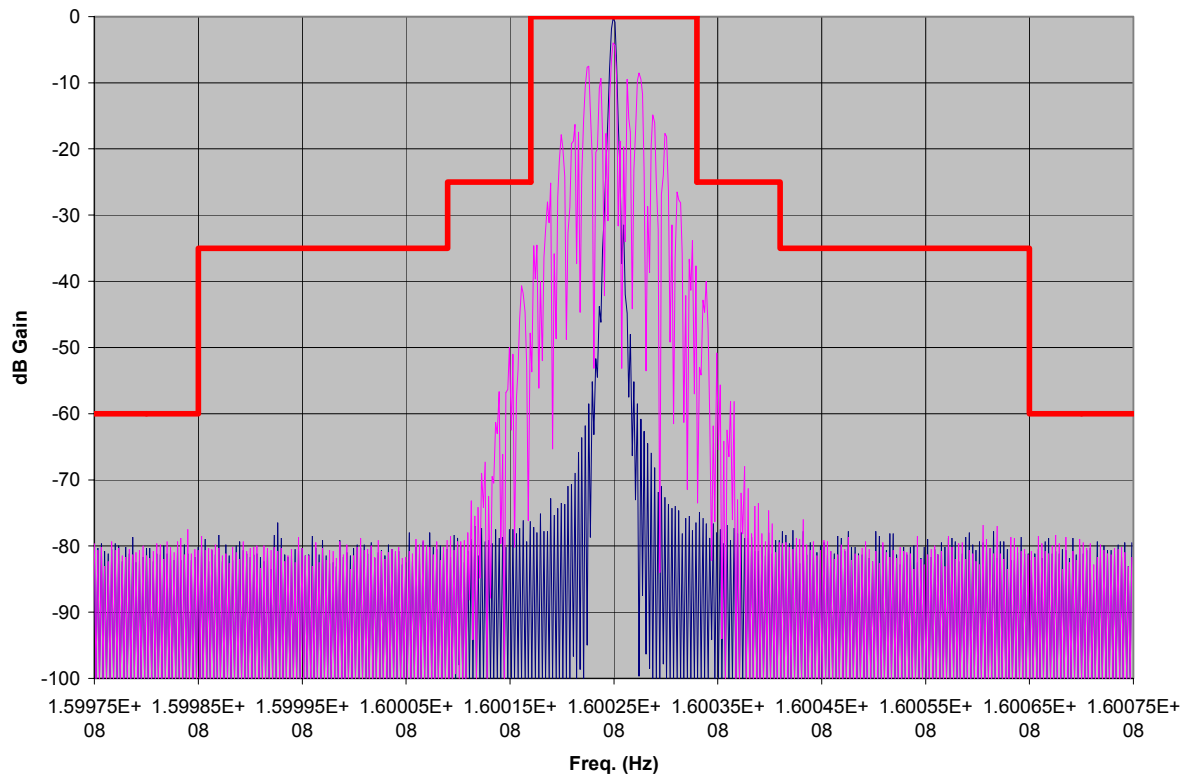
CENTER FREQUENCY:	160.025 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	300 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 54.0 Watts
ATTENUATION:	56 dB

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



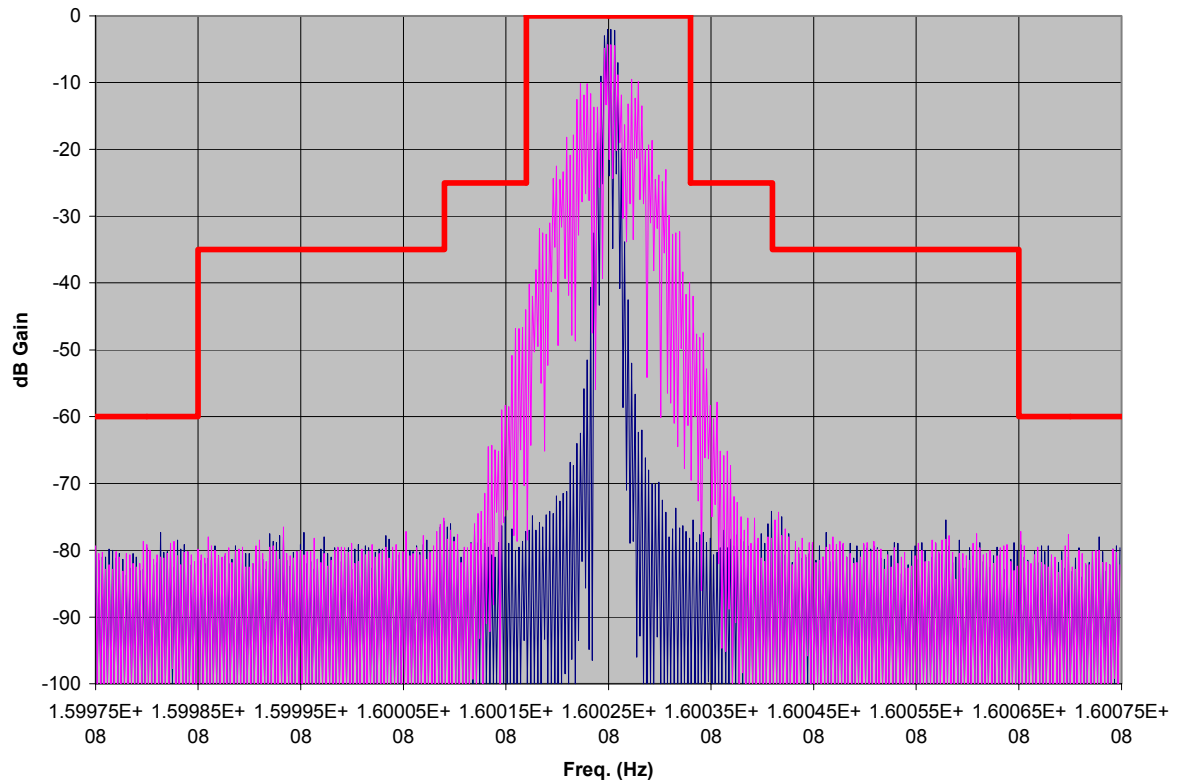
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RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	300 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 54.0 Watts
ATTENUATION:	56 dB

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



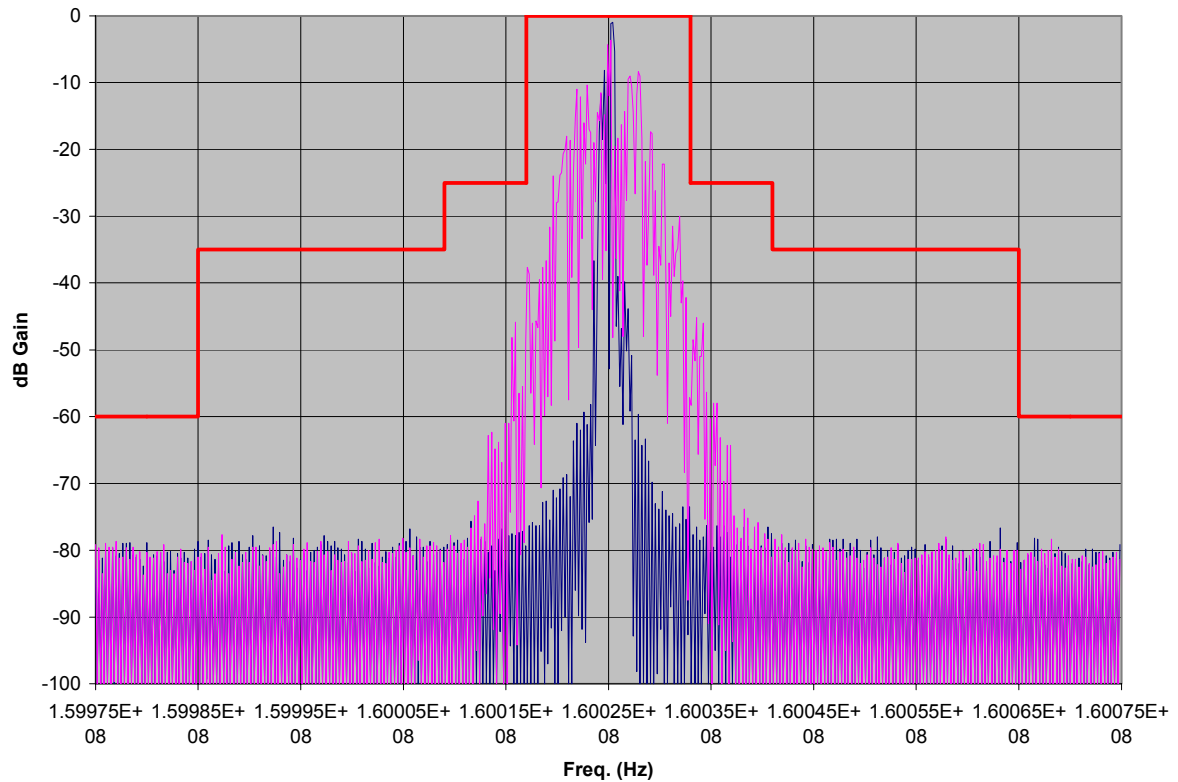
CENTER FREQUENCY:	160.025 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	300 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 54.0 Watts
ATTENUATION:	56 dB

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

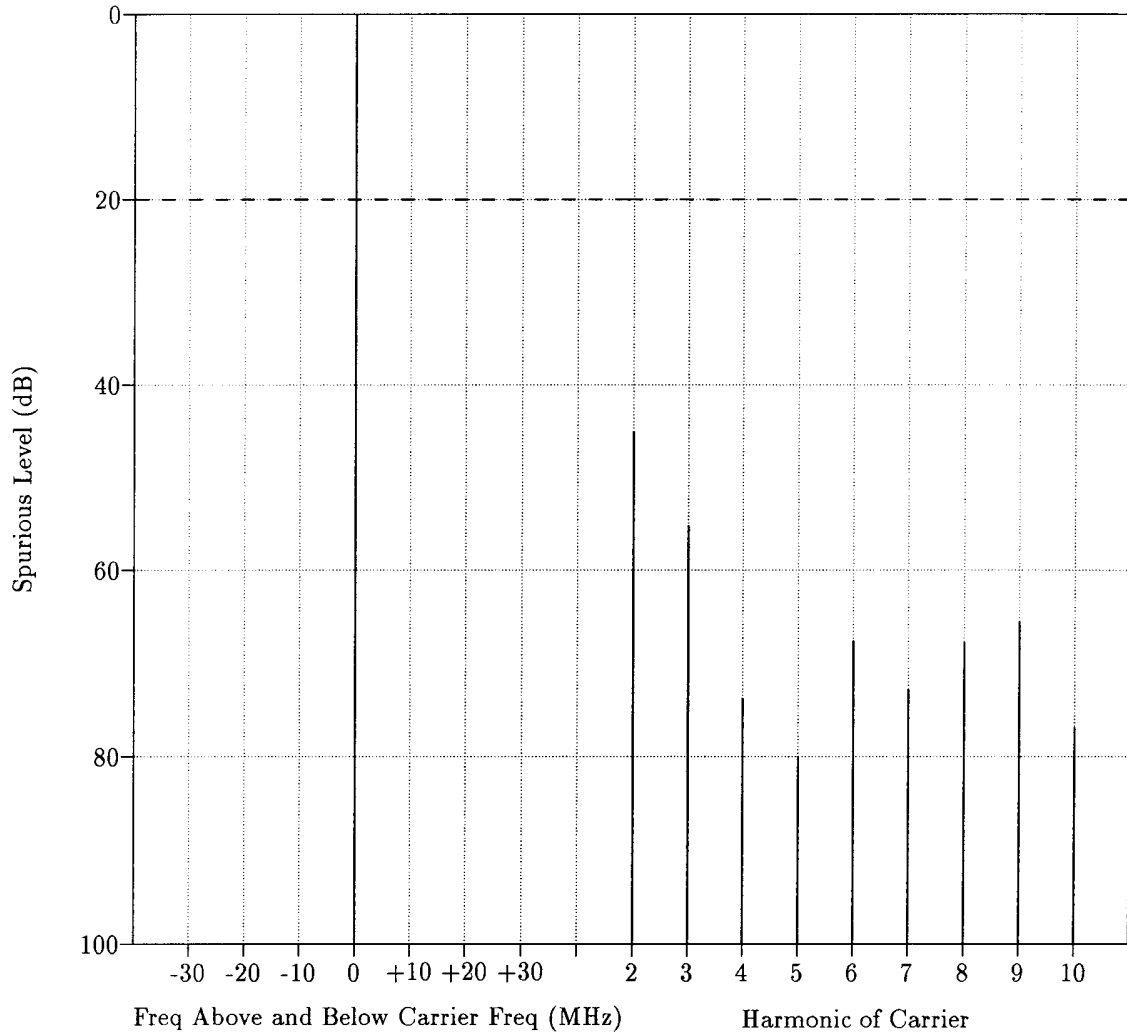


CENTER FREQUENCY:	160.025 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	300 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 54.0 Watts
ATTENUATION:	56 dB

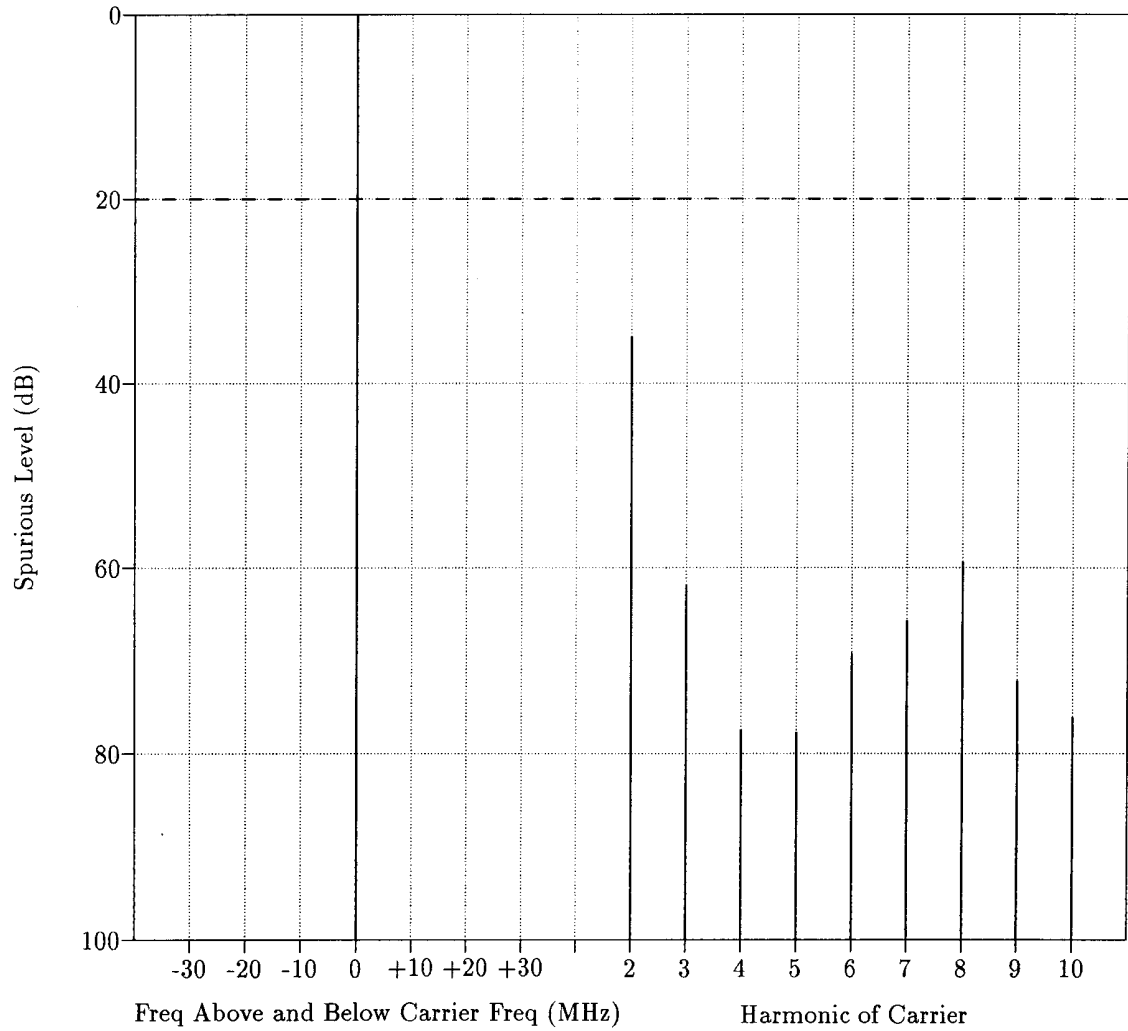
OCCUPIED BANDWIDTH MEASUREMENT FOR
25 kHz CHANNEL SPACING, 2000/3000 Hz FSK, DPL 131
EMISSION MASK: B



CENTER FREQUENCY:	160.025 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	300 kHz
SPAN:	100 kHz
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	5 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB = 54.0 Watts
ATTENUATION:	56 dB

**CONDUCTED SPURIOUS EMISSIONS
HIGH POWER, 146.025 MHz****Transmitter Type: See Above****Power Output: 54.00W at 146.025MHz****1**

1. The conducted spurious level is plotted in dBm on the vertical axis.
2. The specification limit for conducted spurious emissions is -20 dBm.
3. All non-harmonic spurious emissions are greater than 20 dB below the specification limit.

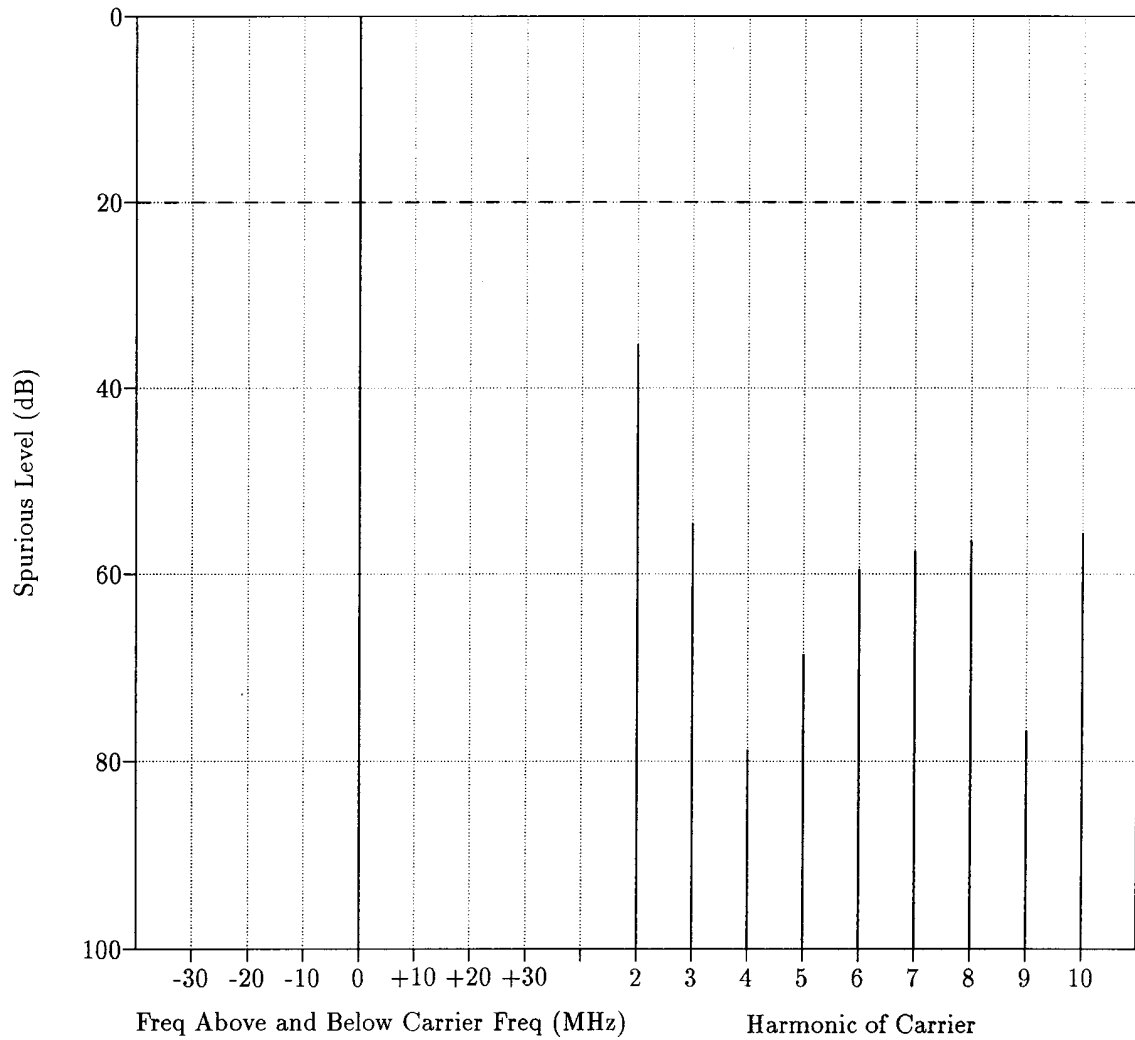
**CONDUCTED SPURIOUS EMISSIONS
HIGH POWER, 160.025 MHz****Transmitter Type:** See Above**Power Output:** 54.00W at 160.025MHz

2

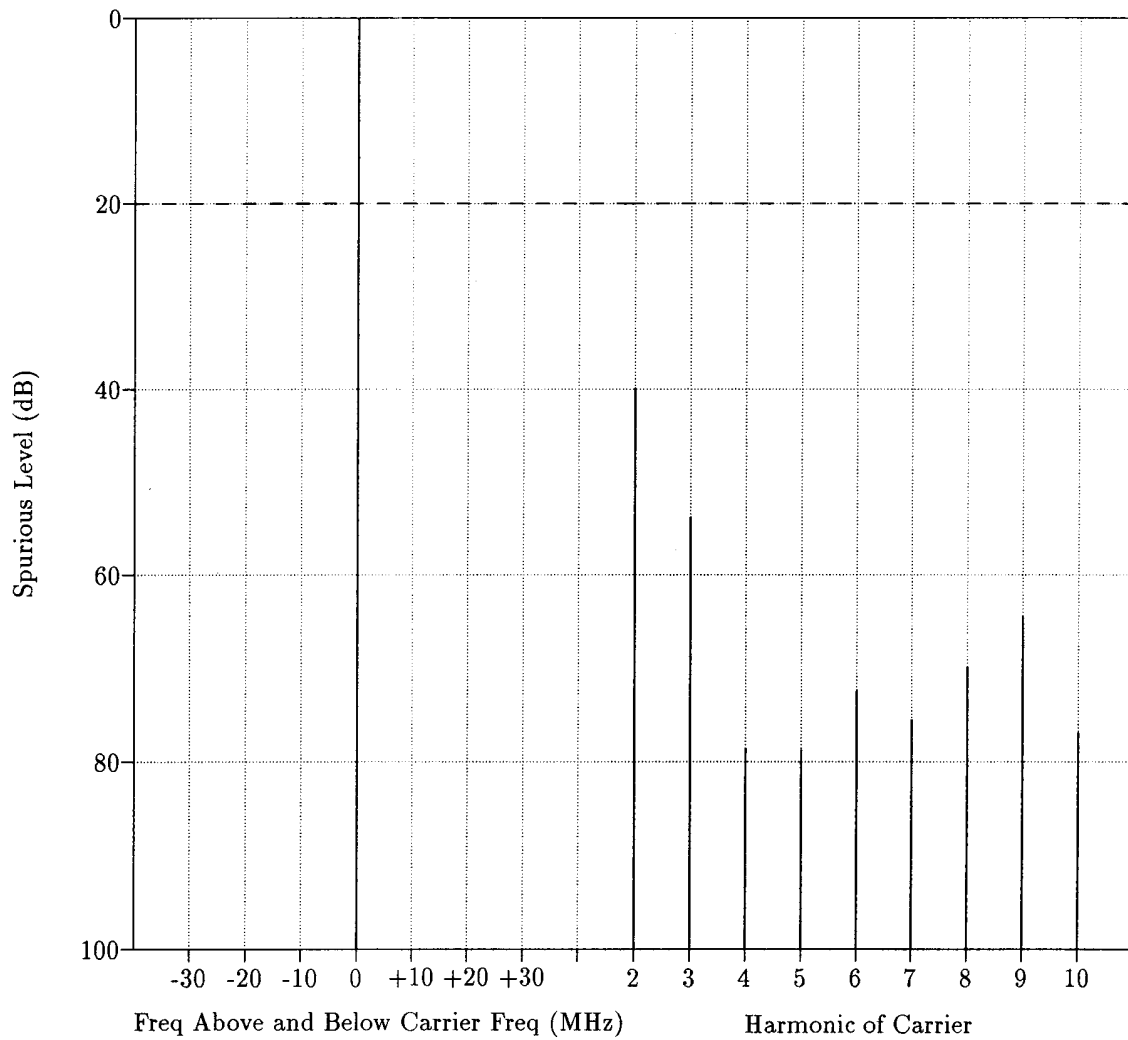
1. The conducted spurious level is plotted in dBm on the vertical axis.
2. The specification limit for conducted spurious emissions is -20 dBm.
3. All non-harmonic spurious emissions are greater than 20 dB below the specification limit.

**CONDUCTED SPURIOUS EMISSIONS
HIGH POWER, 173.975 MHz**

Transmitter Type: See Above
Power Output: 54.00W at 173.9750MHz

**3**

1. The conducted spurious level is plotted in dBm on the vertical axis.
2. The specification limit for conducted spurious emissions is -20 dBm.
3. All non-harmonic spurious emissions are greater than 20 dB below the specification limit.

**CONDUCTED SPURIOUS EMISSIONS
LOW POWER, 146.025 MHz****Transmitter Type:** See Above**Power Output:** 25.00W at 146.025MHz

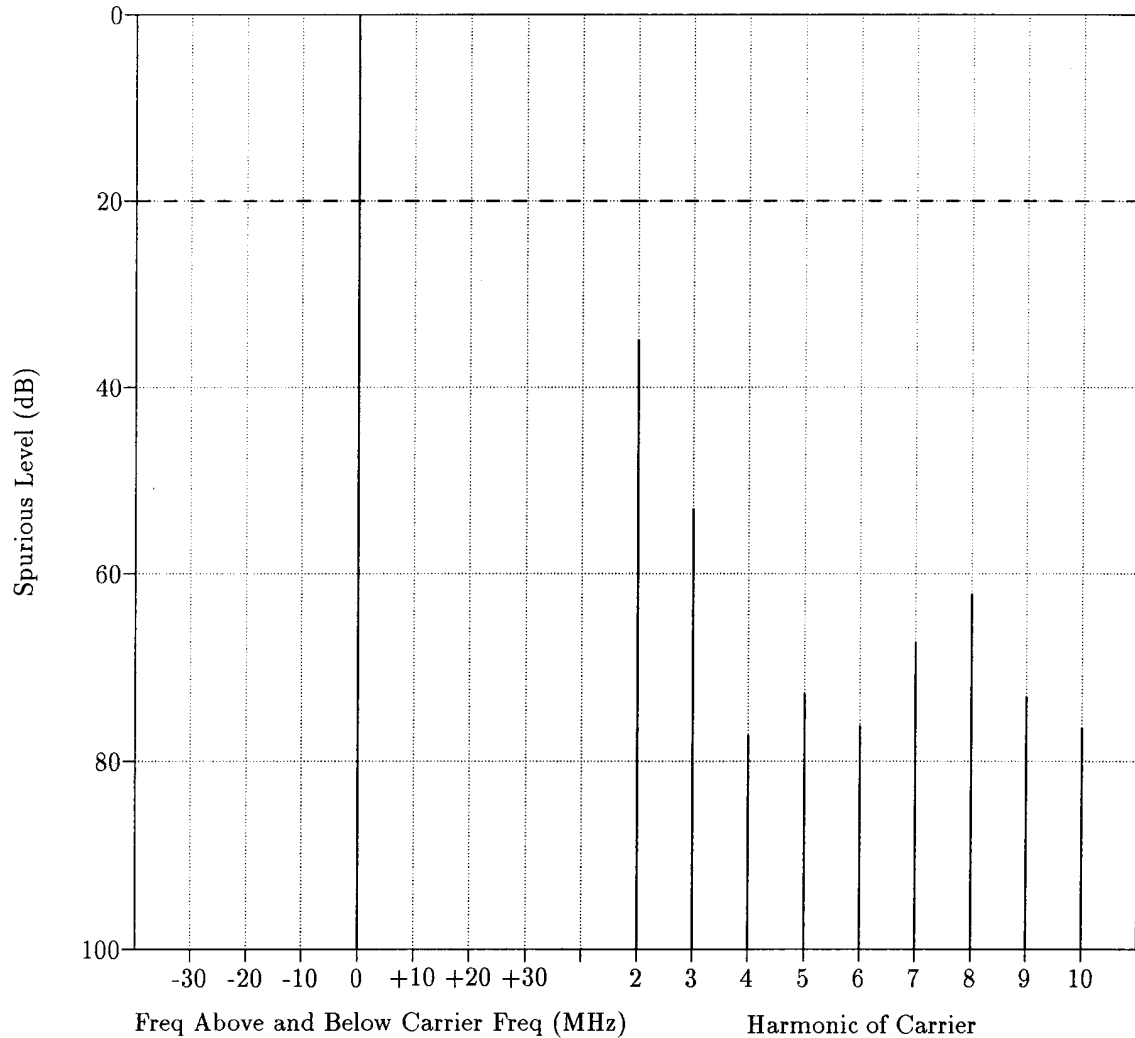
4

1. The conducted spurious level is plotted in dBm on the vertical axis.
2. The specification limit for conducted spurious emissions is -20 dBm.
3. All non-harmonic spurious emissions are greater than 20 dB below the specification limit.

**CONDUCTED SPURIOUS EMISSIONS
LOW POWER, 160.025 MHz**

Transmitter Type: See Above

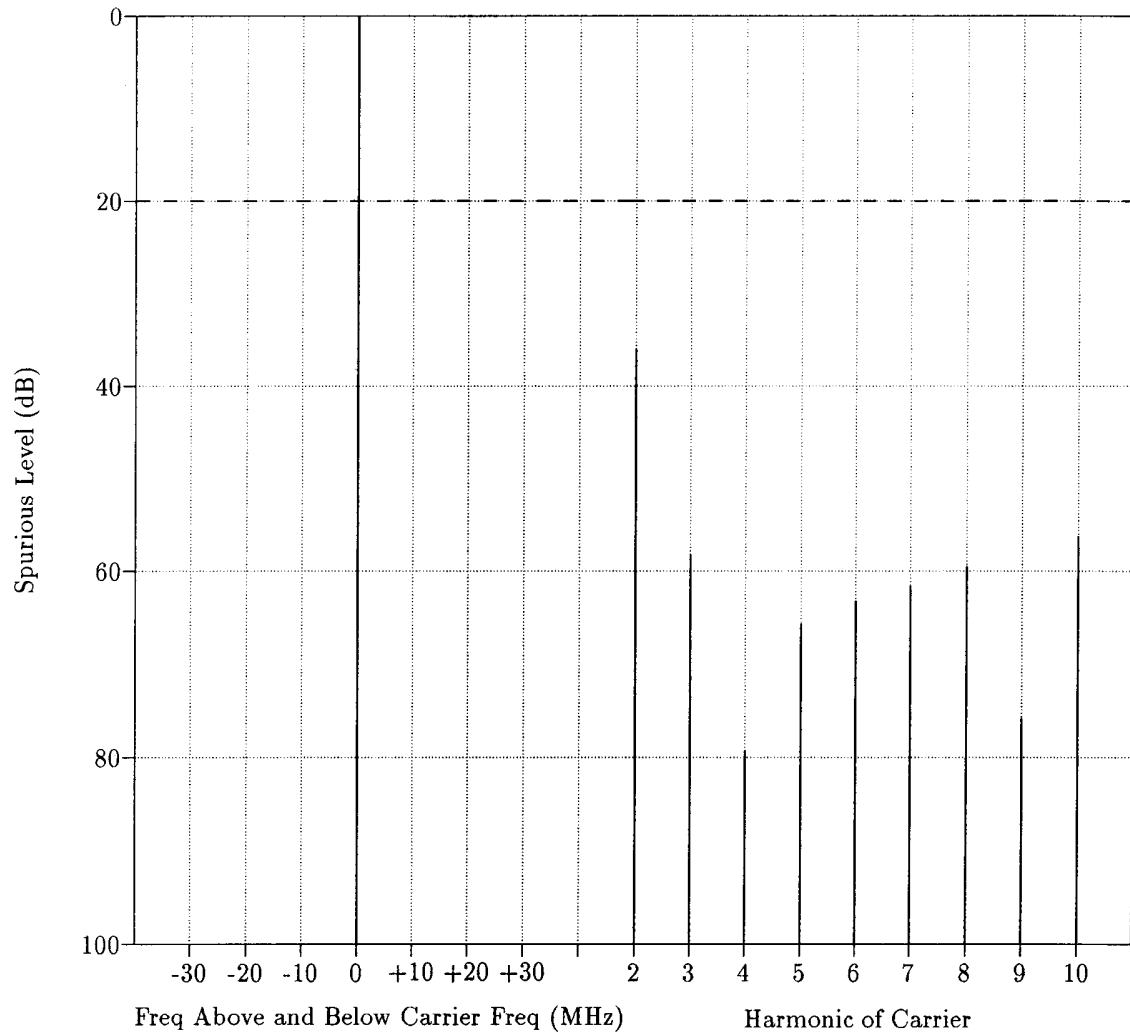
Power Output: 25.00W at 160.025MHz



5

1. The conducted spurious level is plotted in dBm on the vertical axis.
2. The specification limit for conducted spurious emissions is -20 dBm.
3. All non-harmonic spurious emissions are greater than 20 dB below the specification limit except as follows:

Spurious Emission Frequency	Level (dBm)	Limit (dBm)
80.000 MHz	-39.4	-20
80.200 MHz	-36.7	-20
80.400 MHz	-37.8	-20
80.600 MHz	-39	-20

**CONDUCTED SPURIOUS EMISSIONS
LOW POWER, 173.975 MHz****Transmitter Type: See Above****Power Output: 25.00W at 173.975MHz**

6

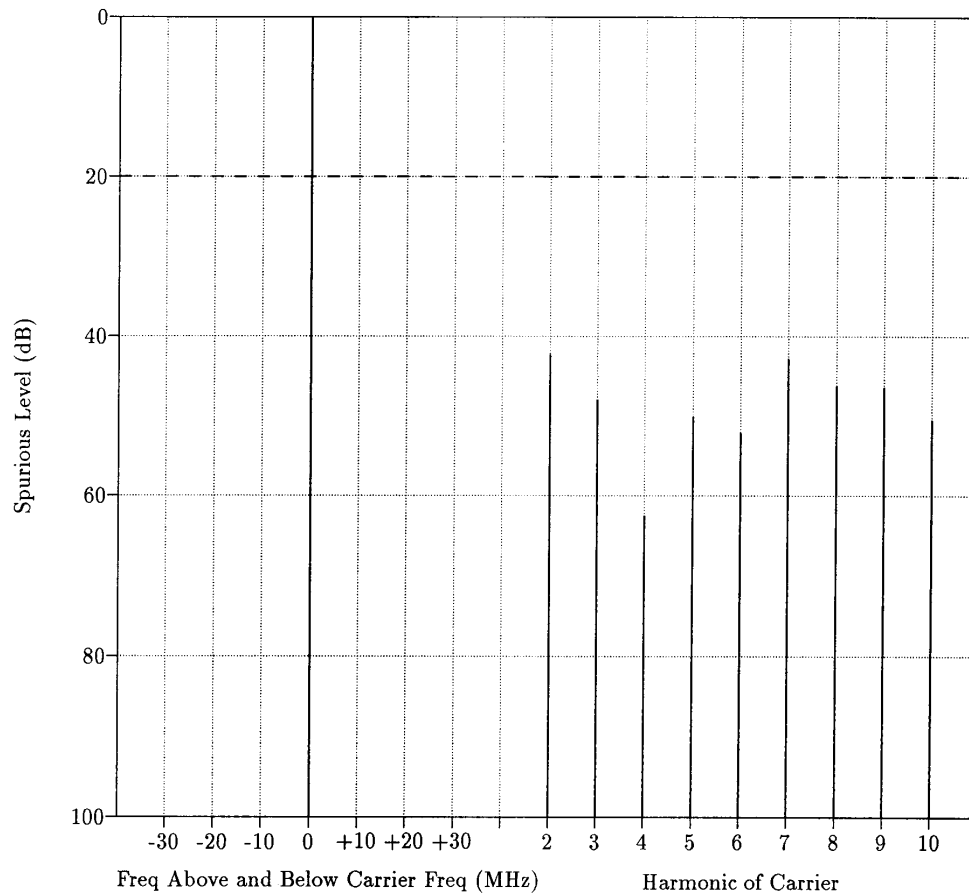
1. The conducted spurious level is plotted in dBm on the vertical axis.
2. The specification limit for conducted spurious emissions is -20 dBm.
3. All non-harmonic spurious emissions are greater than 20 dB below the specification limit.

**RADIATED SPURIOUS EMISSIONS
HIGH POWER, 146.000 MHz, HORIZONTAL POLARIZATION
OUTPUT POWER = 54 WATTS
12.5 kHz CHANNEL SPACING MODE**

**Model Number: AAM50KQC9AA1AN
Serial Number: 019PROTO05**

Harmonic	Frequency (MHz)	Level (dBm)	Limit (dBm)
2nd	292	-42.4	-20.0
3rd	438	-48.0	-20.0
4th	584	-62.5	-20.0
5th	730	-50.1	-20.0
6th	876	-52.1	-20.0
7th	1022	-42.8	-20.0
8th	1168	-46.2	-20.0
9th	1314	-46.4	-20.0
10th	1460	-50.5	-20.0

Antenna Polarization: HORIZONTAL
Power Output: 54.00W at 146.0000MHz

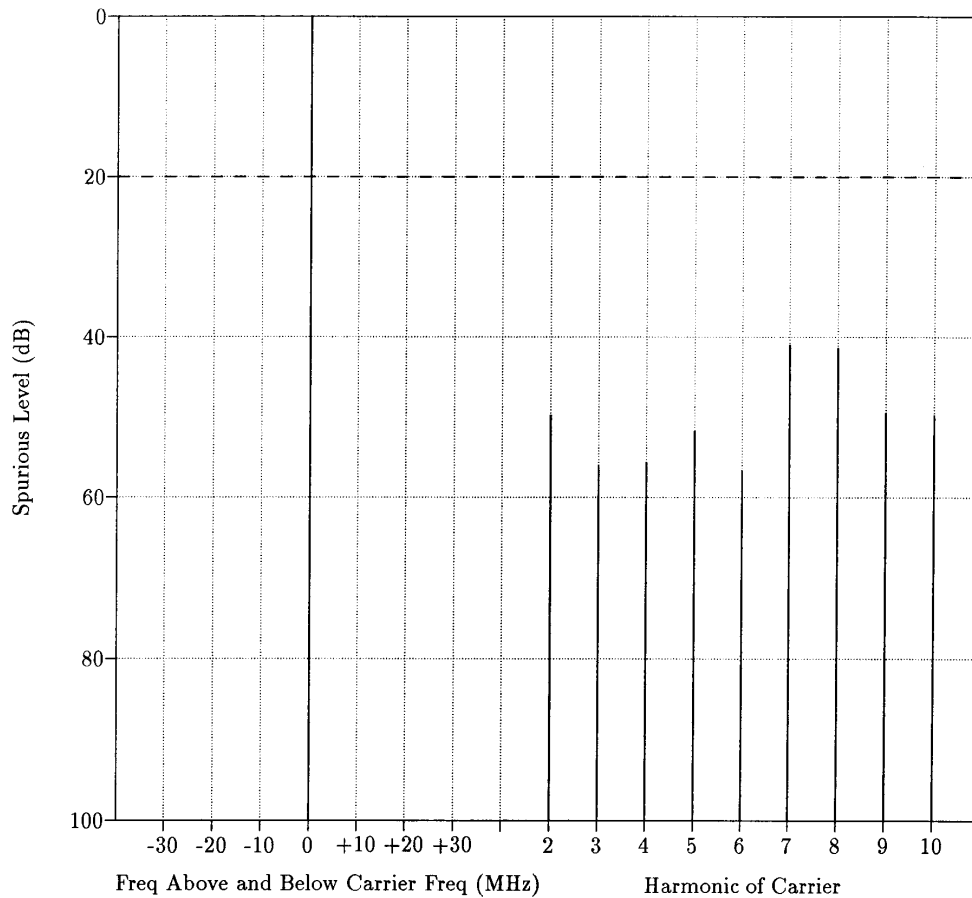


RADIATED SPURIOUS EMISSIONS
HIGH POWER, 146.000 MHz, VERTICAL POLARIZATION
OUTPUT POWER = 54 WATTS
12.5 kHz CHANNEL SPACING MODE

Model Number: AAM50KQC9AA1AN
Serial Number: 019PROTO05

Harmonic	Frequency (MHz)	Level (dBm)	Limit (dBm)
2nd	292	-49.7	-20.0
3rd	438	-55.9	-20.0
4th	584	-55.6	-20.0
5th	730	-51.6	-20.0
6th	876	-56.6	-20.0
7th	1022	-41	-20.0
8th	1168	-41.4	-20.0
9th	1314	-49.4	-20.0
10th	1460	-49.7	-20.0

Antenna Polarization: VERTICAL
Power Output: 54.00W at 146.0000MHz



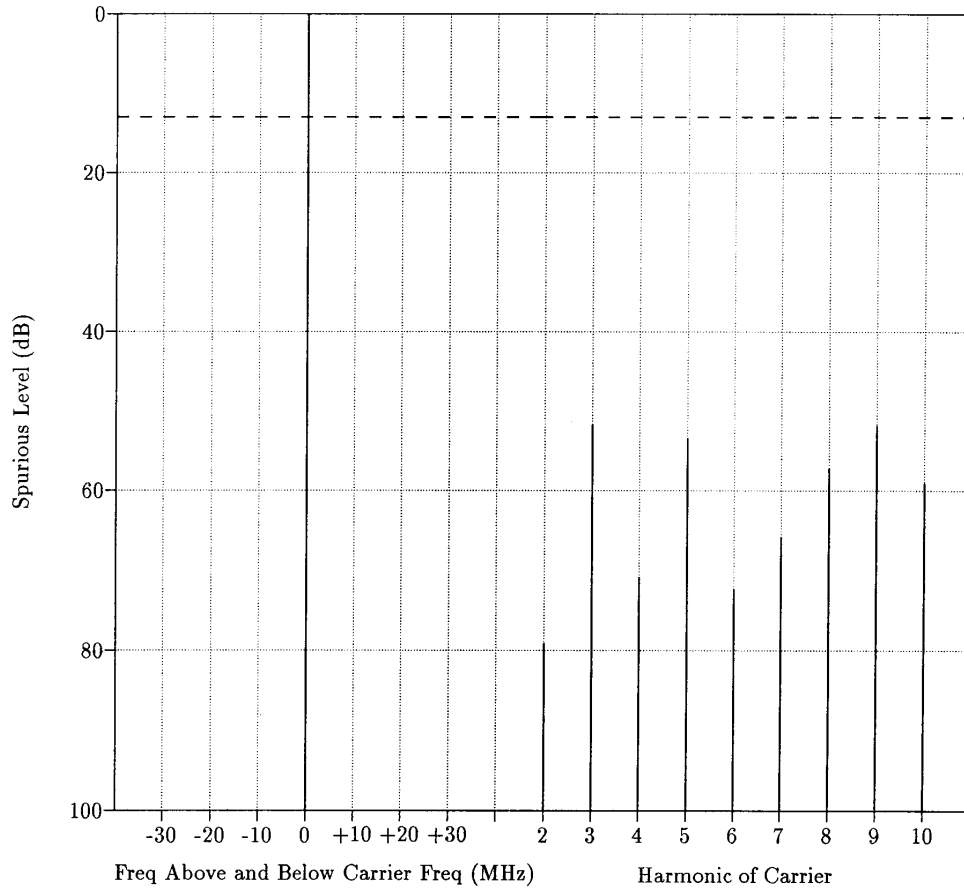
RADIATED SPURIOUS EMISSIONS
HIGH POWER, 146.000 MHz, HORIZONTAL POLARIZATION
OUTPUT POWER = 54 WATTS
25 kHz CHANNEL SPACING MODE

Model Number: AAM50KQC9AA1AN
Serial Number: 019PROTO06

Harmonic	Frequency (MHz)	Level (dBm)	Limit (dBm)
2nd	292	-79.1	-13.0
3rd	438	-51.7	-13.0
4th	584	-70.8	-13.0
5th	730	-53.4	-13.0
6th	876	-72.3	-13.0
7th	1022	-65.8	-13.0
8th	1168	-57.2	-13.0
9th	1314	-51.8	-13.0
10th	1460	-59.1	-13.0

Antenna Polarization: HORIZONTAL

Power Output: 54.00W at 146.0000MHz



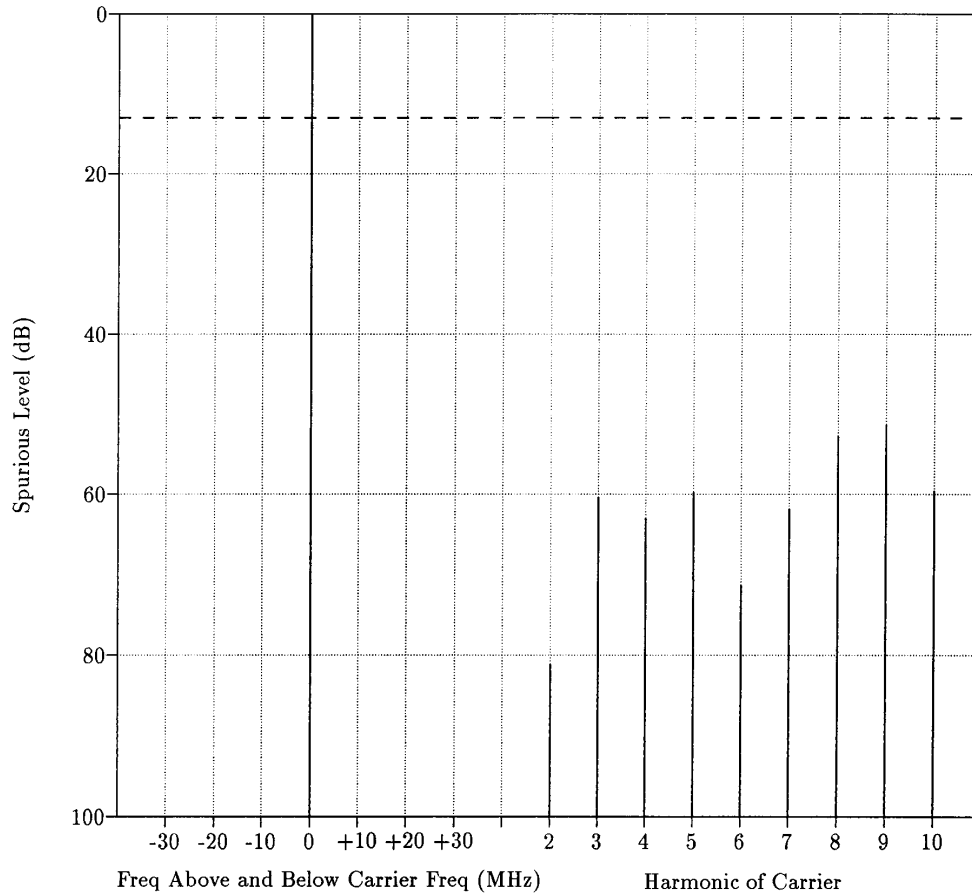
RADIATED SPURIOUS EMISSIONS
HIGH POWER, 146.000 MHz, VERTICAL POLARIZATION
OUTPUT POWER = 54 WATTS
25 kHz CHANNEL SPACING MODE

Model Number: AAM50KQC9AA1AN
Serial Number: 019PROTO06

Harmonic	Frequency (MHz)	Level (dBm)	Limit (dBm)
2nd	292	-81.1	-13.0
3rd	438	-60.4	-13.0
4th	584	-63	-13.0
5th	730	-59.8	-13.0
6th	876	-71.3	-13.0
7th	1022	-61.8	-13.0
8th	1168	-52.7	-13.0
9th	1314	-51.4	-13.0
10th	1460	-59.6	-13.0

Antenna Polarization: VERTICAL

Power Output: 54.00W at 146.0000MHz

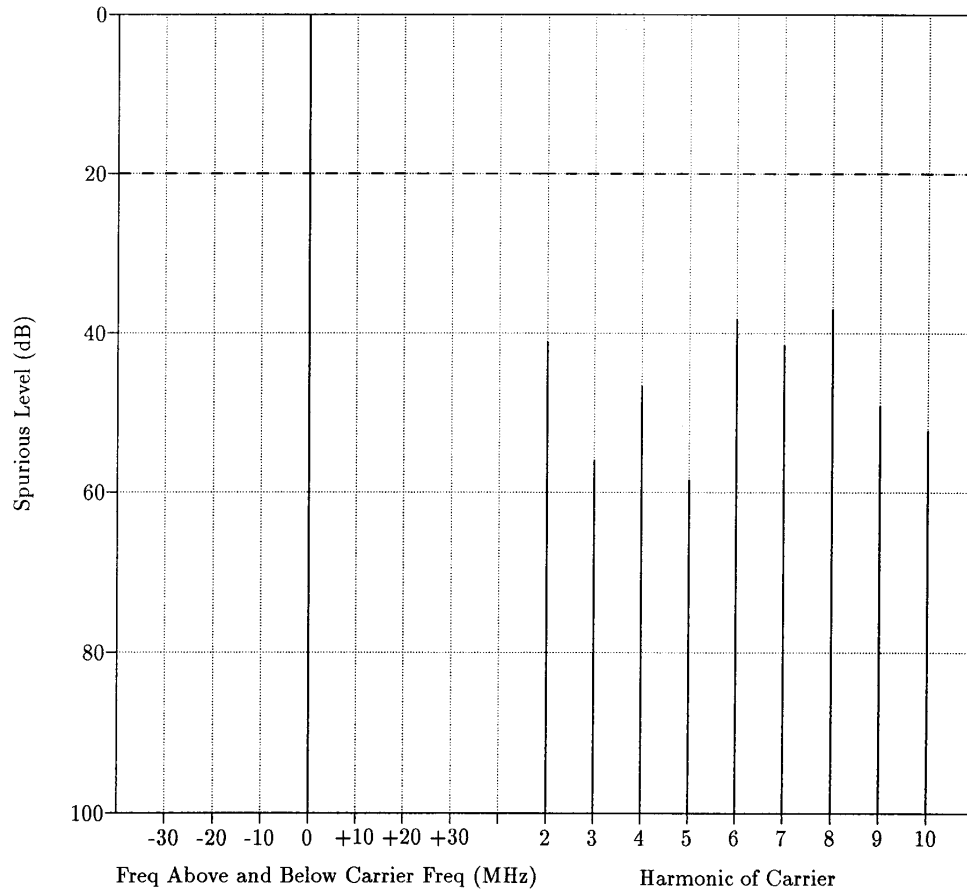


RADIATED SPURIOUS EMISSIONS
HIGH POWER, 160.000 MHz, HORIZONTAL POLARIZATION
OUTPUT POWER = 54 WATTS
12.5 kHz CHANNEL SPACING MODE

Model Number: AAM50KQC9AA1AN
Serial Number: 019PROTO05

Harmonic	Frequency (MHz)	Level (dBm)	Limit (dBm)
2nd	320	-41.1	-20.0
3rd	480	-56	-20.0
4th	640	-46.7	-20.0
5th	800	-58.4	-20.0
6th	960	-38.3	-20.0
7th	1120	-41.5	-20.0
8th	1280	-37	-20.0
9th	1440	-49.2	-20.0
10th	1600	-52.2	-20.0

Antenna Polarization: HORIZONTAL
Power Output: 54.00W at 160.0000MHz

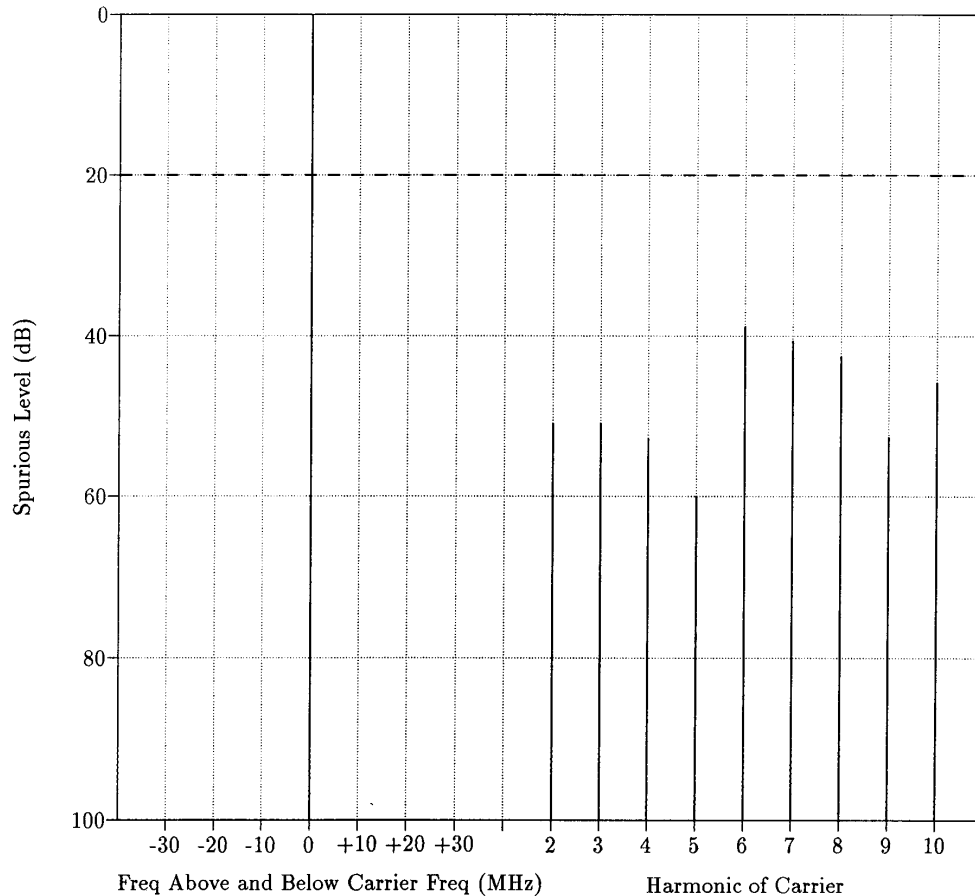


RADIATED SPURIOUS EMISSIONS
HIGH POWER, 160.000 MHz, VERTICAL POLARIZATION
OUTPUT POWER = 54 WATTS
12.5 kHz CHANNEL SPACING MODE

Model Number: AAM50KQC9AA1AN
Serial Number: 019PROTO05

Harmonic	Frequency (MHz)	Level (dBm)	Limit (dBm)
2nd	320	-50.9	-20.0
3rd	480	-50.9	-20.0
4th	640	-52.8	-20.0
5th	800	-59.9	-20.0
6th	960	-38.8	-20.0
7th	1120	-40.6	-20.0
8th	1280	-42.5	-20.0
9th	1440	-52.6	-20.0
10th	1600	-45.8	-20.0

Antenna Polarization: VERTICAL
Power Output: 54.00W at 160.0000MHz

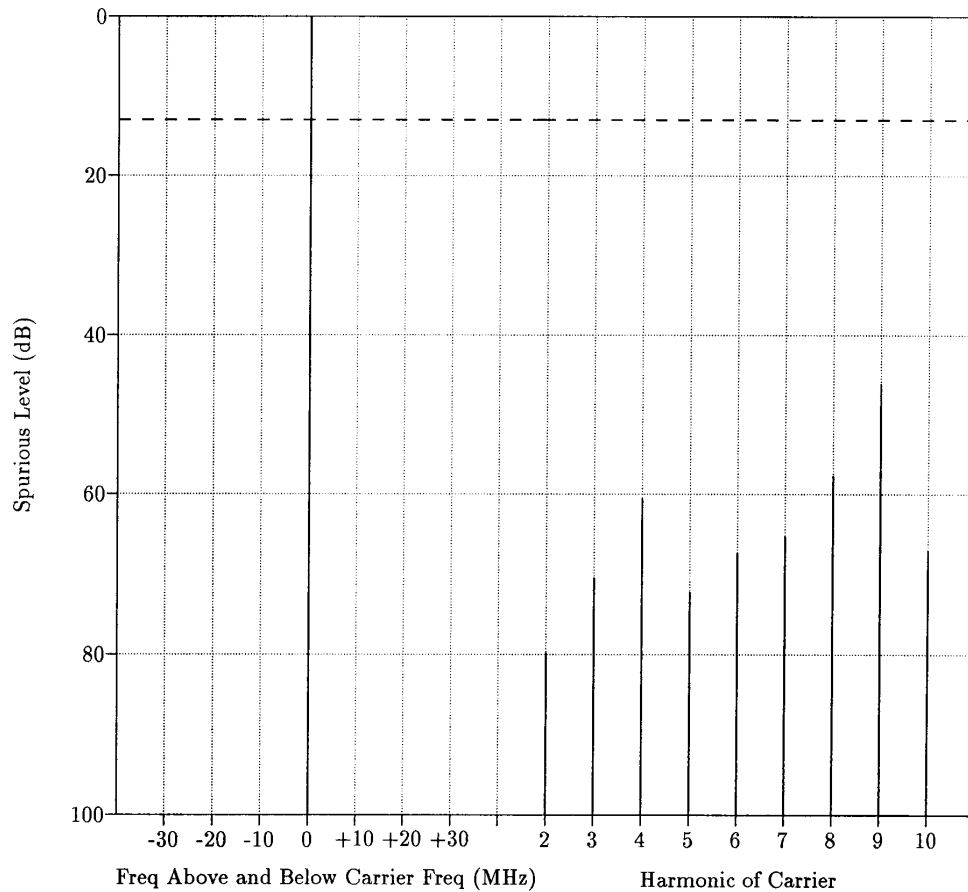


**RADIATED SPURIOUS EMISSIONS
HIGH POWER, 160.000 MHz, HORIZONTAL POLARIZATION
OUTPUT POWER = 54 WATTS
25 kHz CHANNEL SPACING MODE**

**Model Number: AAM50KQC9AA1AN
Serial Number: 103TASA073**

Harmonic	Frequency (MHz)	Level (dBm)	Limit (dBm)
2nd	320	-79.8	-13.0
3rd	480	-70.4	-13.0
4th	640	-60.5	-13.0
5th	800	-72.2	-13.0
6th	960	-67.3	-13.0
7th	1120	-65.2	-13.0
8th	1280	-57.7	-13.0
9th	1440	-46.1	-13.0
10th	1600	-67	-13.0

Antenna Polarization: HORIZONTAL
Power Output: 54.00W at 160.0000MHz

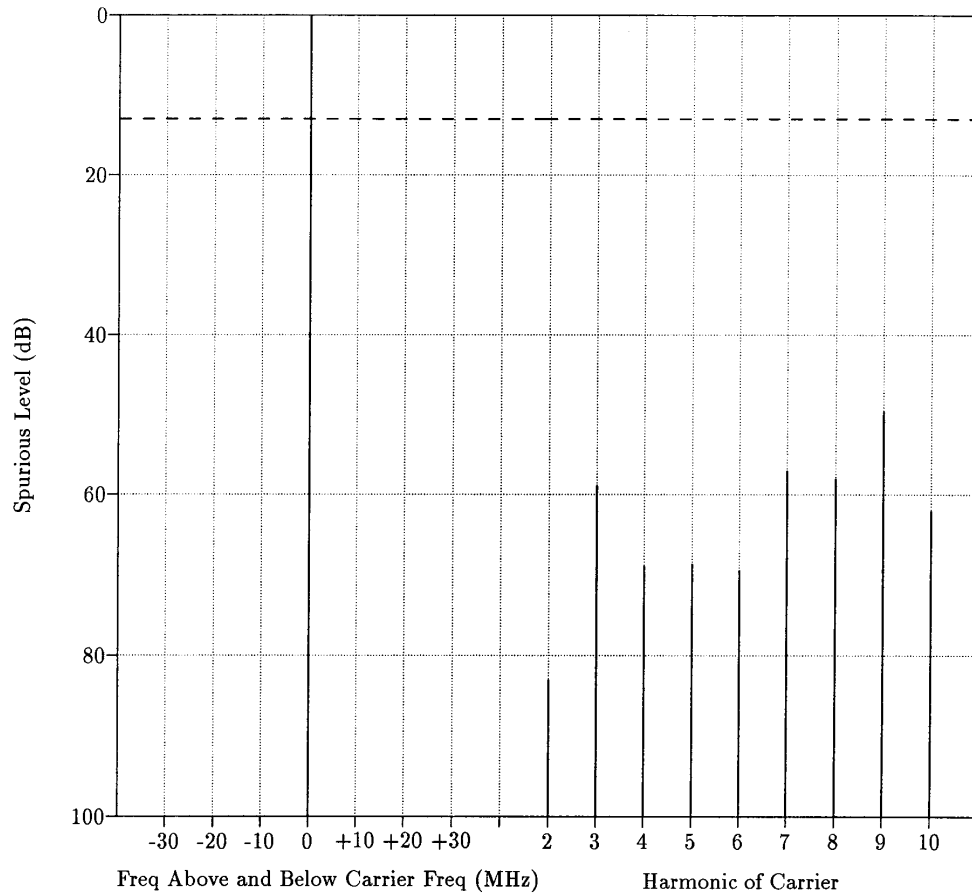


**RADIATED SPURIOUS EMISSIONS
HIGH POWER, 160.000 MHz, VERTICAL POLARIZATION
OUTPUT POWER = 54 WATTS
25 kHz CHANNEL SPACING MODE**

**Model Number: AAM50KQC9AA1AN
Serial Number: 103TASA073**

Harmonic	Frequency (MHz)	Level (dBm)	Limit (dBm)
2nd	320	-83.1	-13.0
3rd	480	-58.8	-13.0
4th	640	-68.9	-13.0
5th	800	-68.6	-13.0
6th	960	-69.4	-13.0
7th	1120	-57	-13.0
8th	1280	-58	-13.0
9th	1440	-49.6	-13.0
10th	1600	-62	-13.0

Antenna Polarization: VERTICAL
Power Output: 54.00W at 160.0000MHz

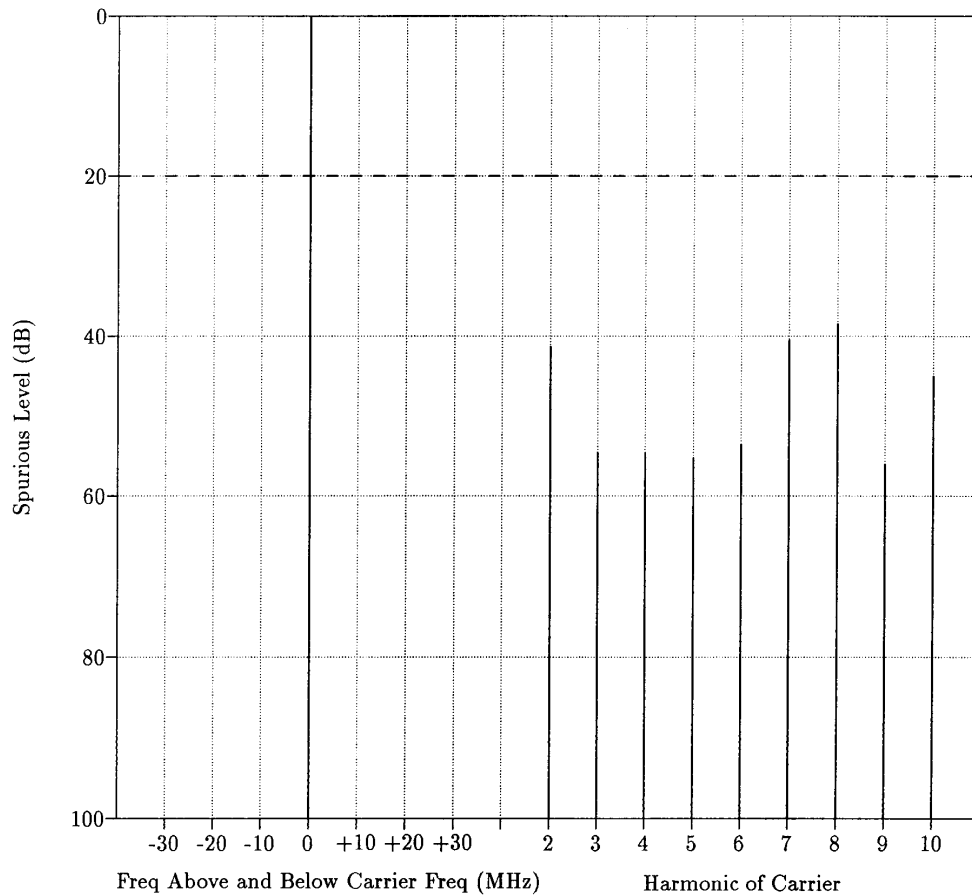


RADIATED SPURIOUS EMISSIONS
HIGH POWER, 174.000 MHz, HORIZONTAL POLARIZATION
OUTPUT POWER = 54 WATTS
12.5 kHz CHANNEL SPACING MODE

Model Number: AAM50KQC9AA1AN
Serial Number: 019PROTO05

Harmonic	Frequency (MHz)	Level (dBm)	Limit (dBm)
2nd	348	-41.3	-20.0
3rd	522	-54.5	-20.0
4th	696	-54.6	-20.0
5th	870	-55.2	-20.0
6th	1044	-53.5	-20.0
7th	1218	-40.5	-20.0
8th	1392	-38.5	-20.0
9th	1566	-56	-20.0
10th	1740	-45	-20.0

Antenna Polarization: HORIZONTAL
Power Output: 54.00W at 174.0000MHz

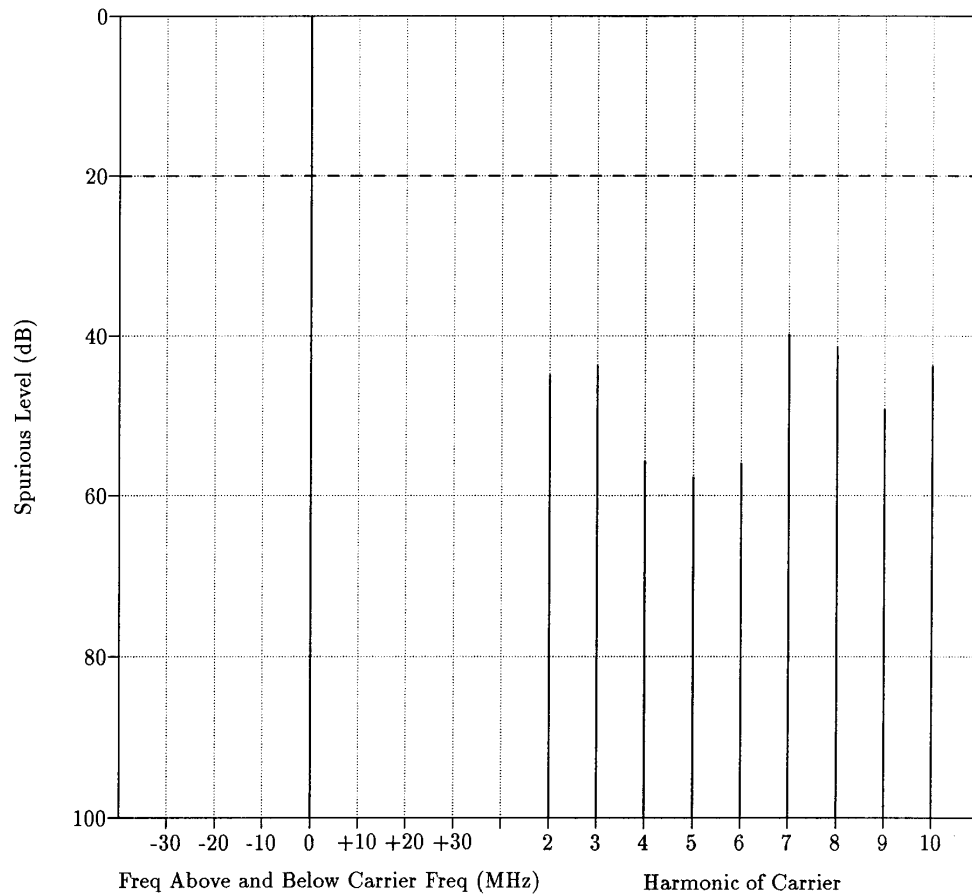


RADIATED SPURIOUS EMISSIONS
HIGH POWER, 174.000 MHz, VERTICAL POLARIZATION
OUTPUT POWER = 54 WATTS
12.5 kHz CHANNEL SPACING MODE

Model Number: AAM50KQC9AA1AN
Serial Number: 019PROTO05

Harmonic	Frequency (MHz)	Level (dBm)	Limit (dBm)
2nd	348	-44.9	-20.0
3rd	522	-43.8	-20.0
4th	696	-55.7	-20.0
5th	870	-57.7	-20.0
6th	1044	-55.9	-20.0
7th	1218	-39.8	-20.0
8th	1392	-41.4	-20.0
9th	1566	-49.2	-20.0
10th	1740	-43.8	-20.0

Antenna Polarization: VERTICAL
Power Output: 54.00W at 174.0000MHz

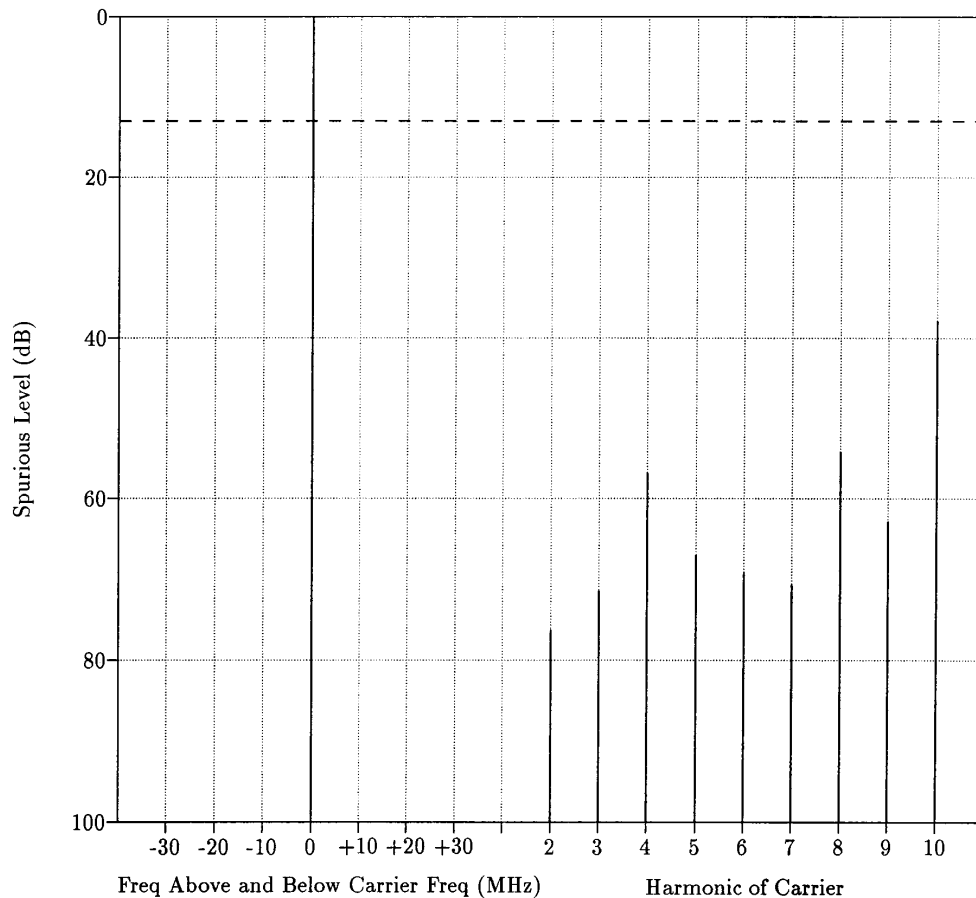


RADIATED SPURIOUS EMISSIONS
HIGH POWER, 174.000 MHz, HORIZONTAL POLARIZATION
OUTPUT POWER = 54 WATTS
25 kHz CHANNEL SPACING MODE

Model Number: AAM50KQC9AA1AN
Serial Number: 103TASA073

Harmonic	Frequency (MHz)	Level (dBm)	Limit (dBm)
2nd	348	-76.2	-13.0
3rd	522	-71.4	-13.0
4th	696	-56.8	-13.0
5th	870	-67	-13.0
6th	1044	-69.2	-13.0
7th	1218	-70.7	-13.0
8th	1392	-54.2	-13.0
9th	1566	-62.8	-13.0
10th	1740	-37.9	-13.0

Antenna Polarization: HORIZONTAL
Power Output: 54.00W at 174.0000MHz

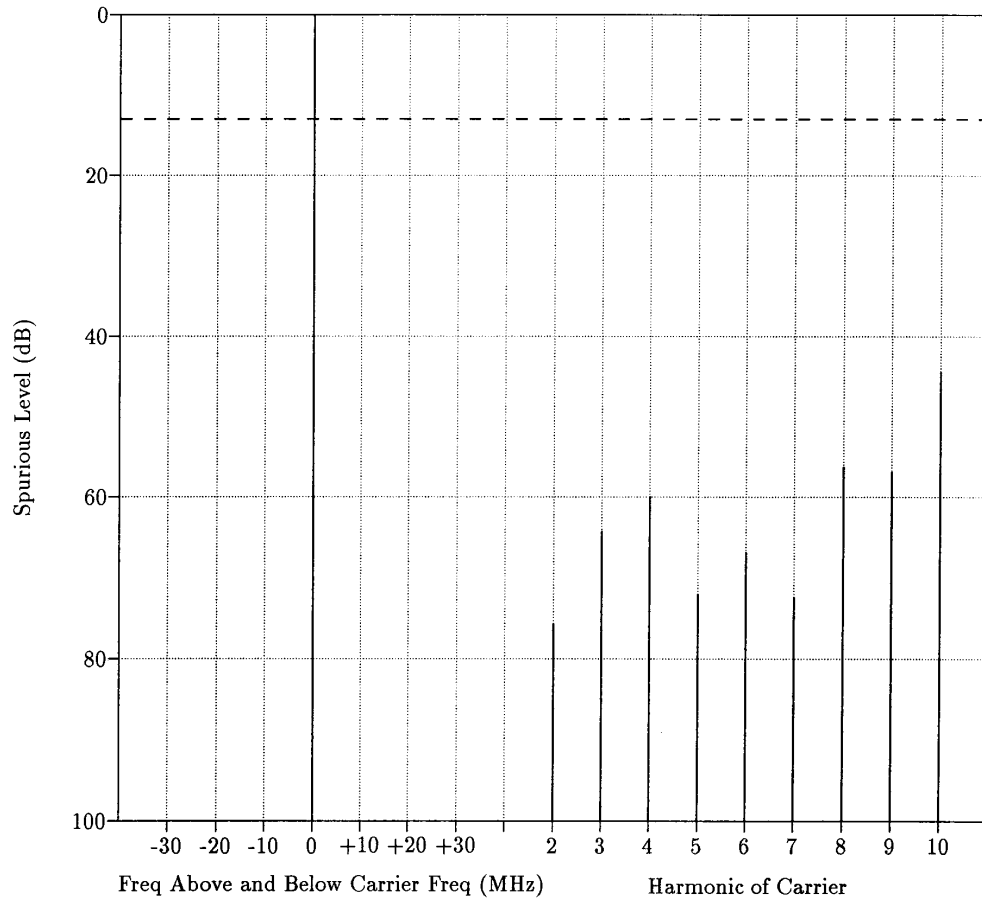


RADIATED SPURIOUS EMISSIONS
HIGH POWER, 174.000 MHz, VERTICAL POLARIZATION
OUTPUT POWER = 54 WATTS
25 kHz CHANNEL SPACING MODE

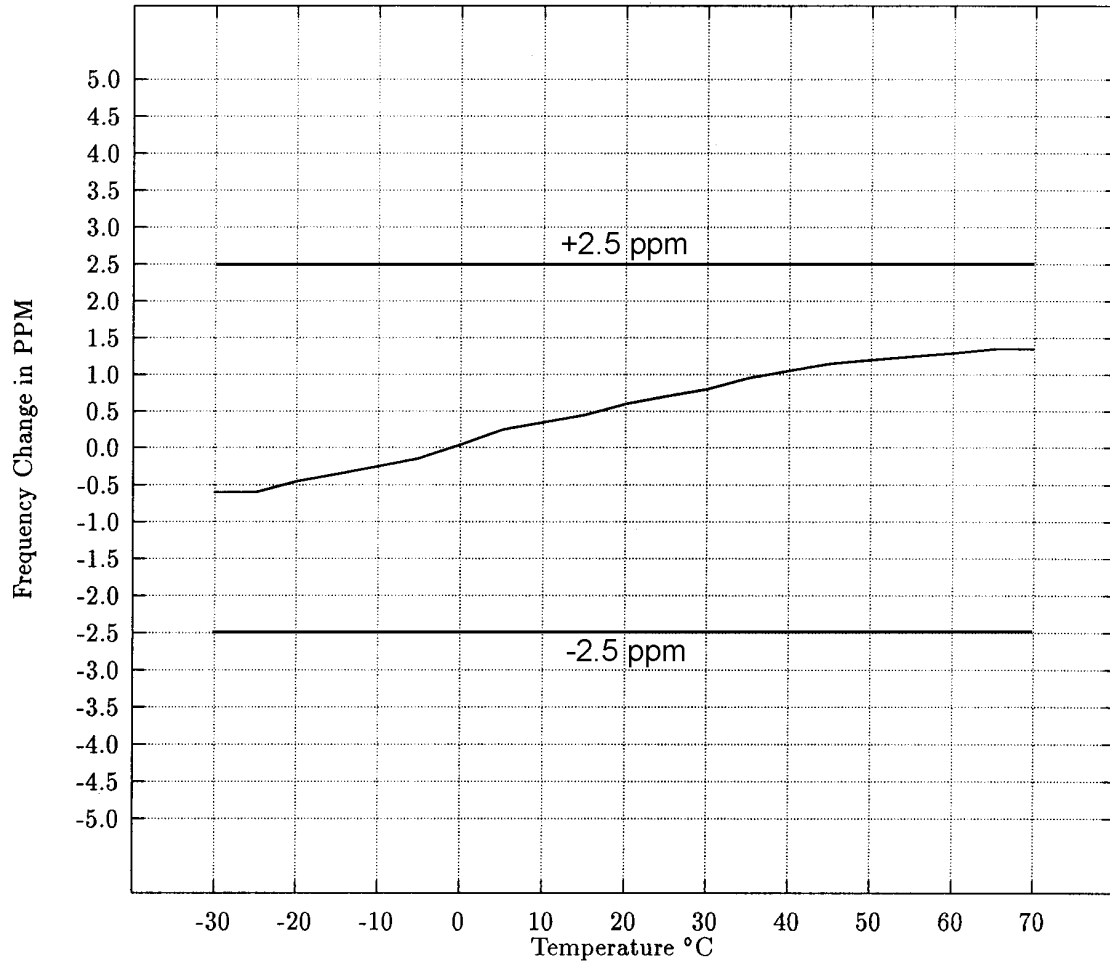
Model Number: AAM50KQC9AA1AN
Serial Number: 103TASA073

Harmonic	Frequency (MHz)	Level (dBm)	Limit (dBm)
2nd	348	-75.7	-13.0
3rd	522	-64.2	-13.0
4th	696	-59.9	-13.0
5th	870	-72	-13.0
6th	1044	-66.8	-13.0
7th	1218	-72.4	-13.0
8th	1392	-56.3	-13.0
9th	1566	-56.9	-13.0
10th	1740	-44.5	-13.0

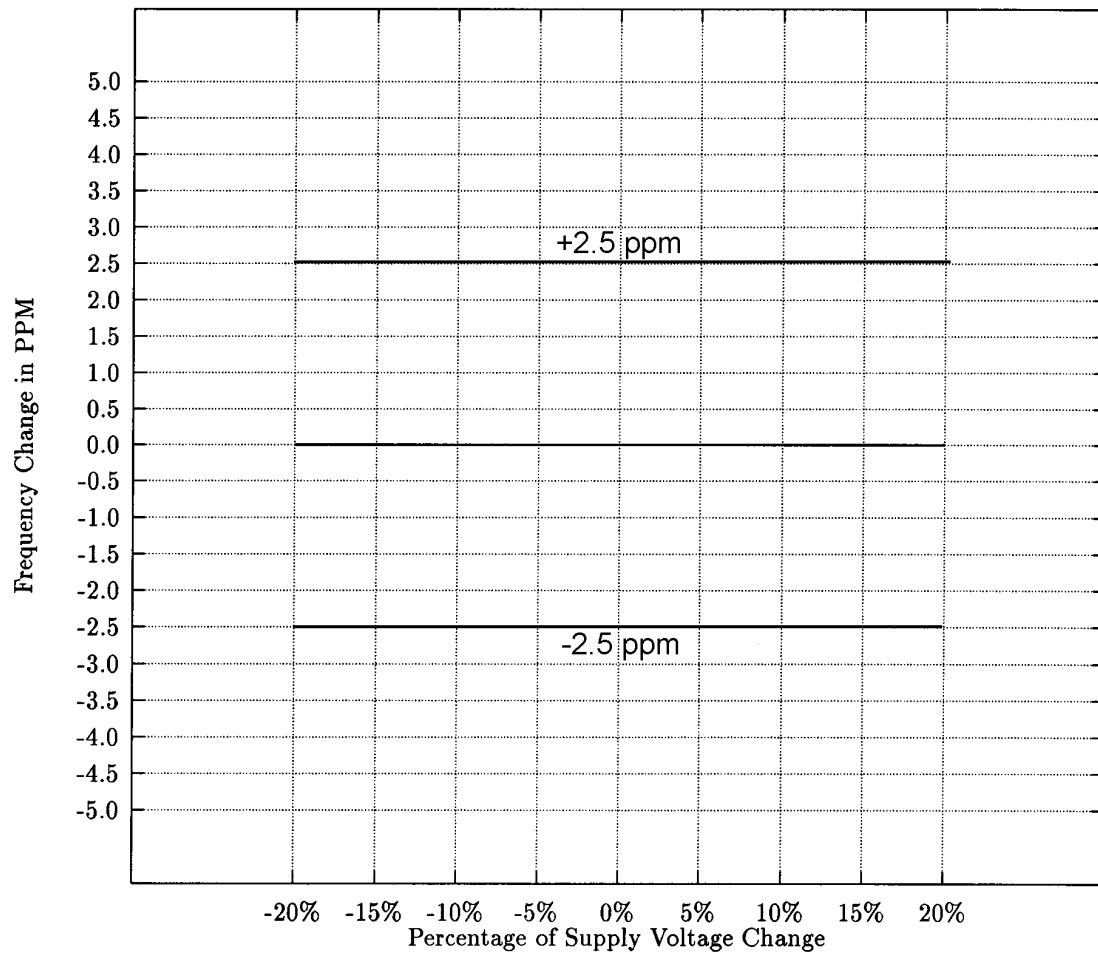
Antenna Polarization: VERTICAL
Power Output: 54.00W at 174.0000MHz



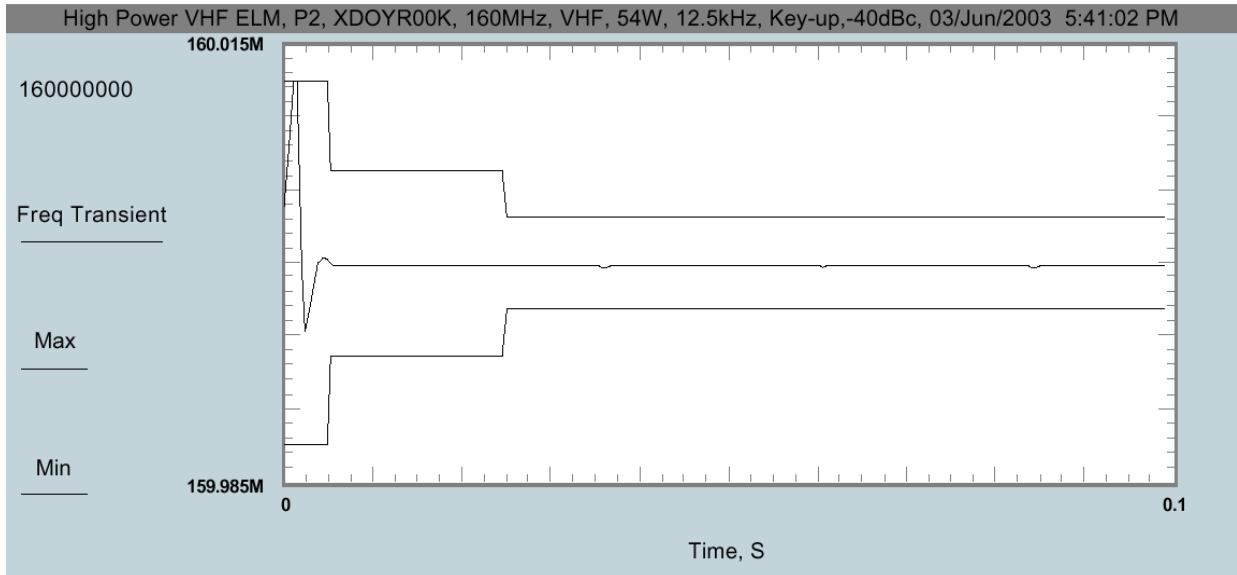
FREQUENCY STABILITY VS. TEMPERATURE
SPECIFIED LIMITS: ± 2.5 PPM (-30 TO +60 DEGREES C)



FREQUENCY STABILITY VS. SUPPLY VOLTAGE
REFERENCE 0% = 13.60 VOLTS DC

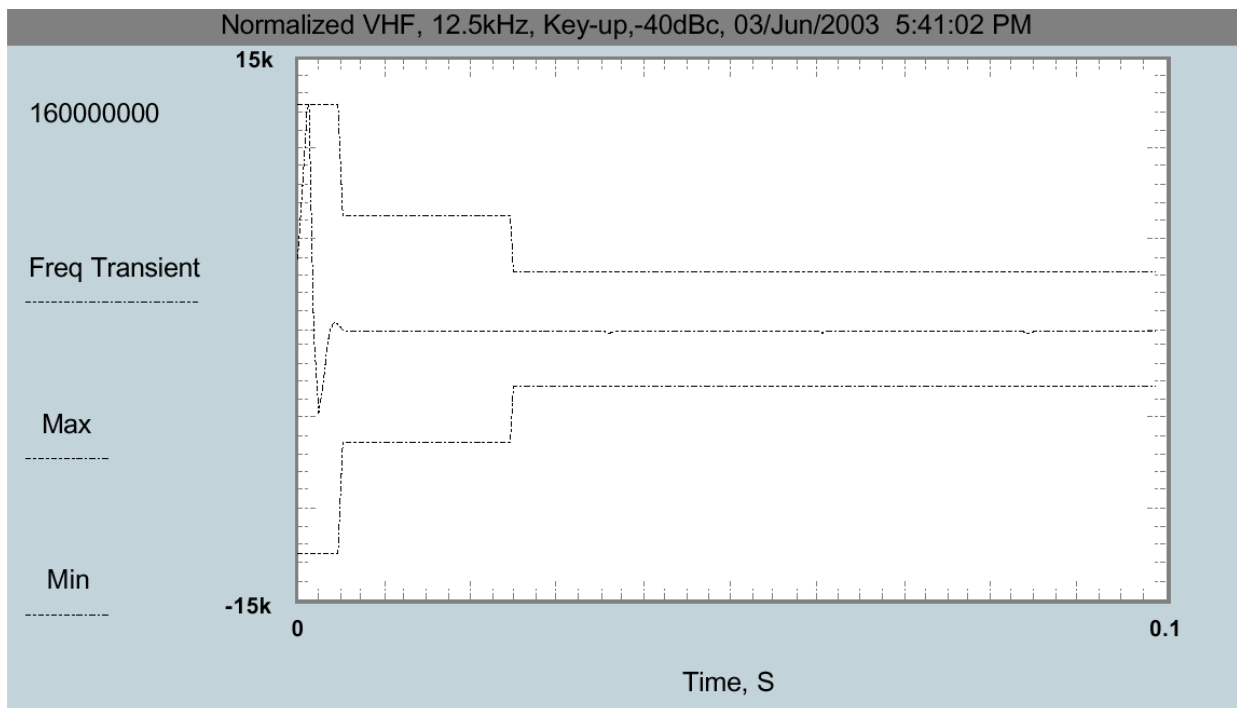


TRANSIENT FREQUENCY BEHAVIOR
54 WATTS, 12.5 kHz, KEY-UP ATTACK TIME

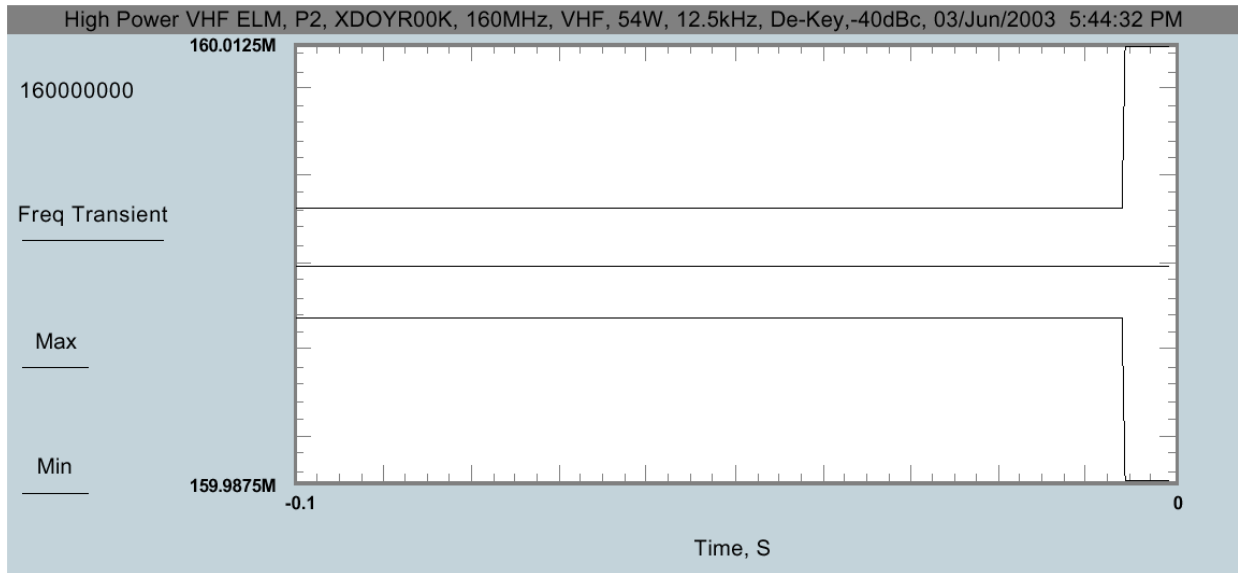


Top Trace – Absolute Frequency

Bottom Trace – Normalized Frequency

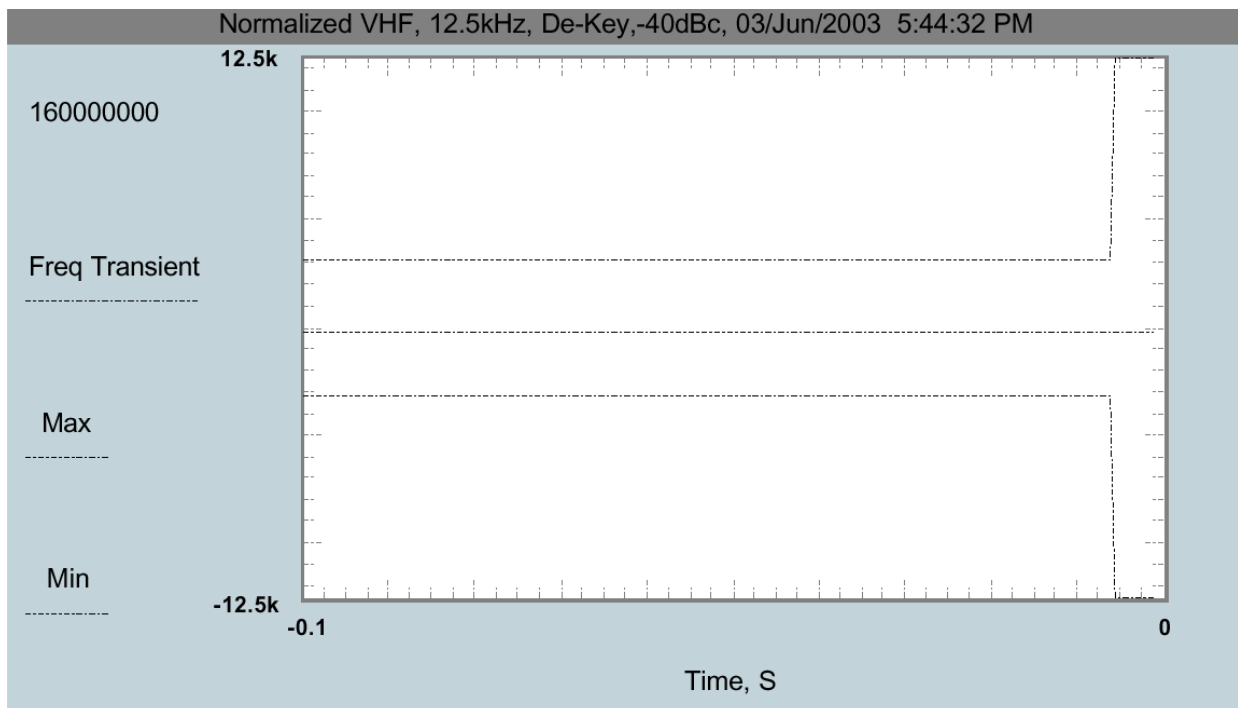


TRANSIENT FREQUENCY BEHAVIOR
54 WATTS, 12.5 kHz, DE-KEY DECAY TIME

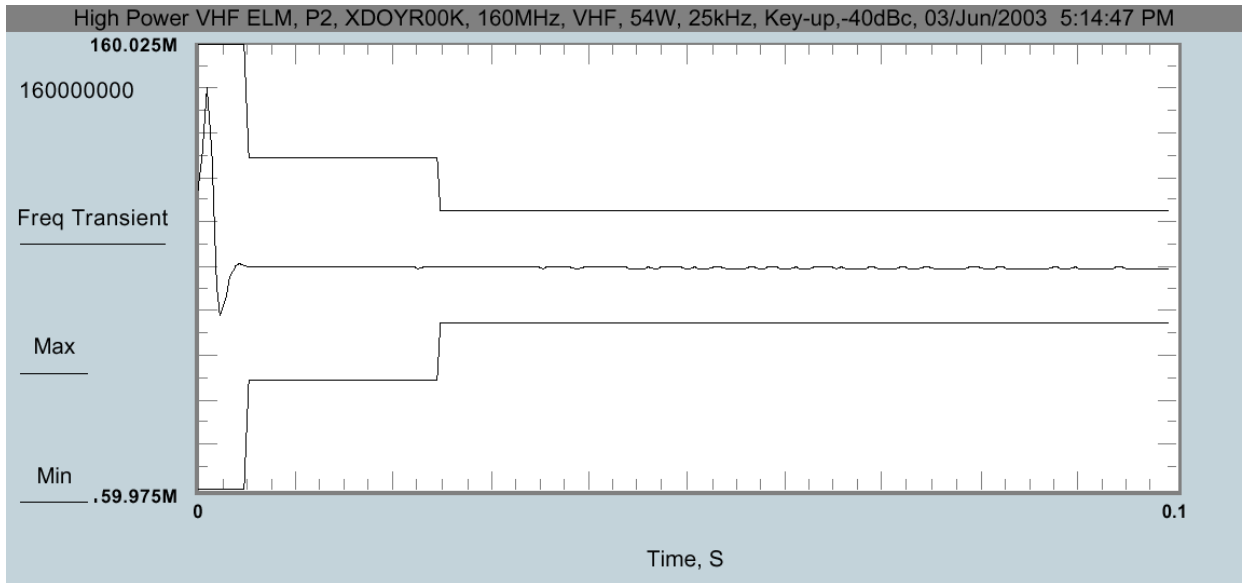


Top Trace – Absolute Frequency

Bottom Trace – Normalized Frequency

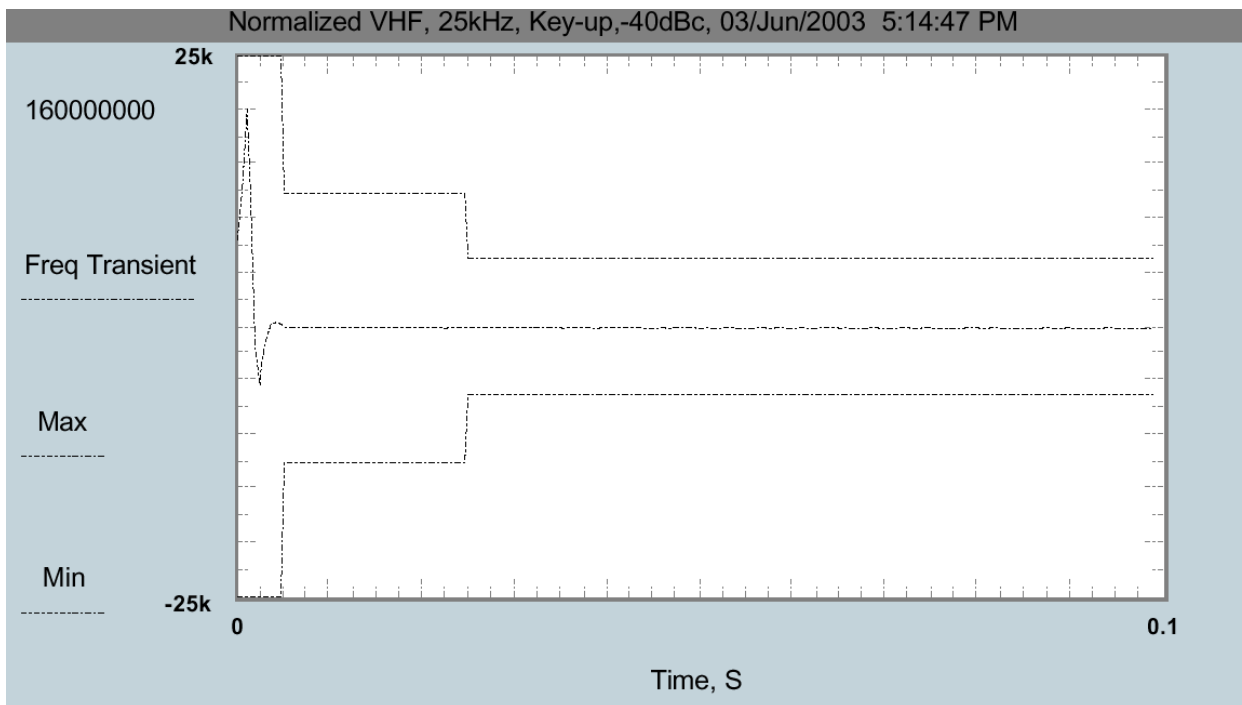


TRANSIENT FREQUENCY BEHAVIOR
54 WATTS, 25 kHz, KEY-UP ATTACK TIME

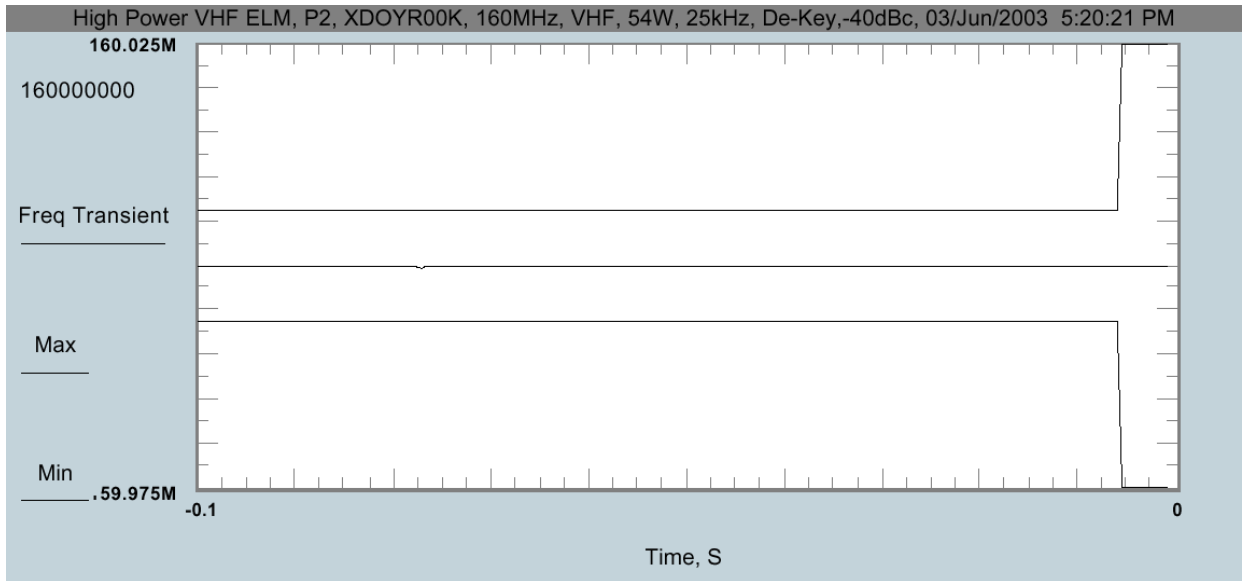


Top Trace – Absolute Frequency

Bottom Trace – Normalized Frequency

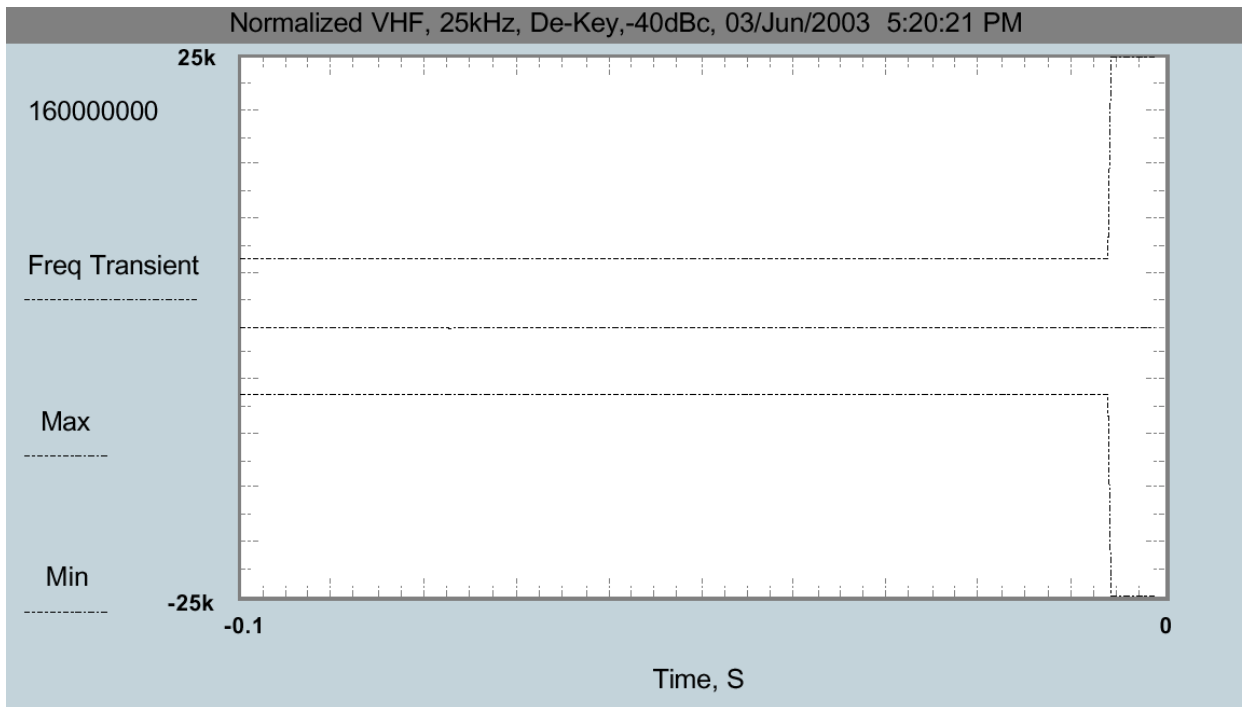


TRANSIENT FREQUENCY BEHAVIOR
54 WATTS, 25 kHz, DE-KEY DECAY TIME

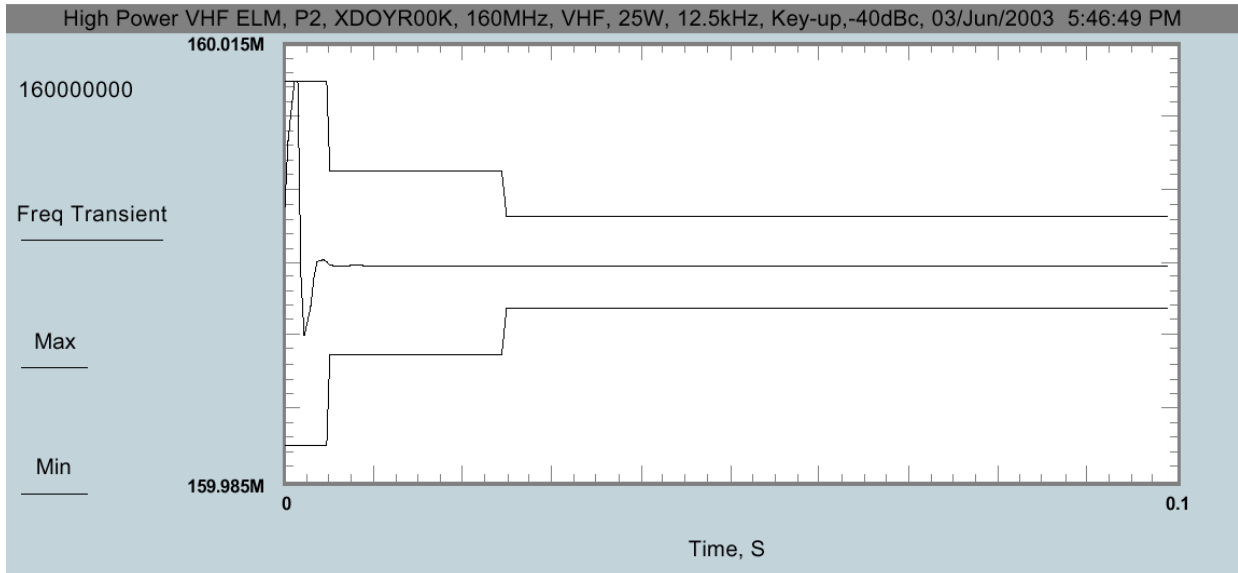


Top Trace – Absolute Frequency

Bottom Trace – Normalized Frequency

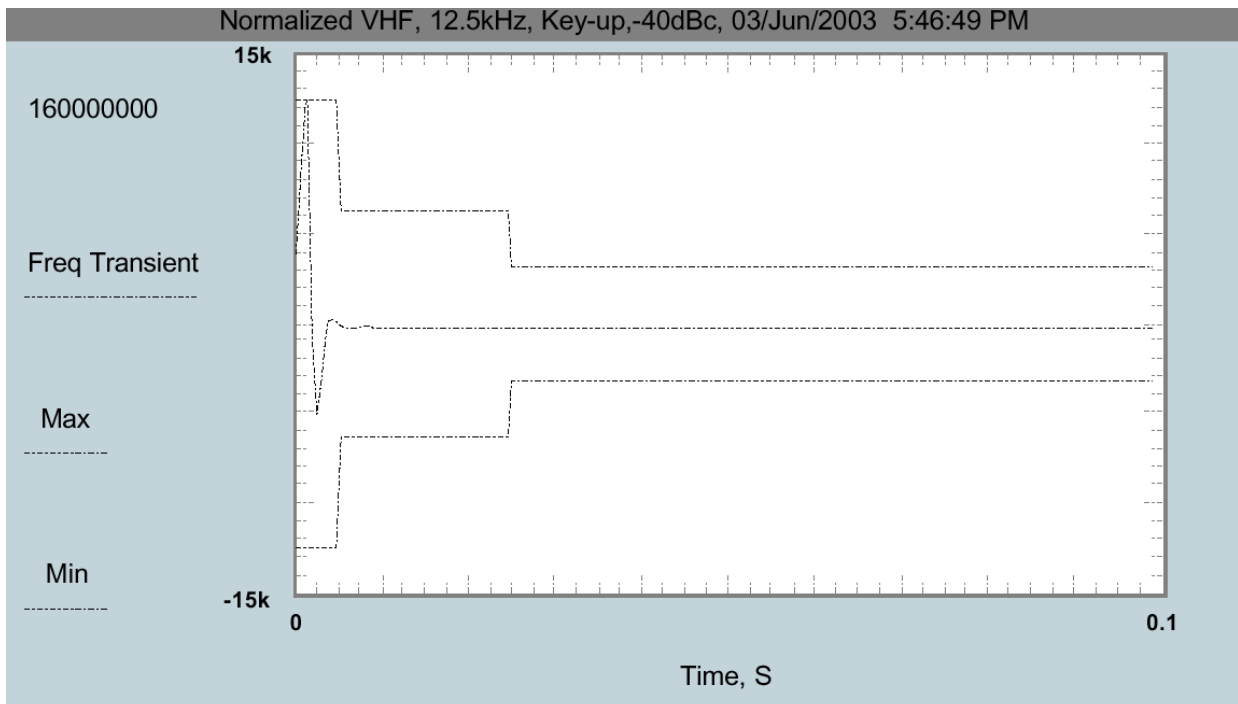


TRANSIENT FREQUENCY BEHAVIOR
25 WATTS, 12.5 kHz, KEY-UP ATTACK TIME

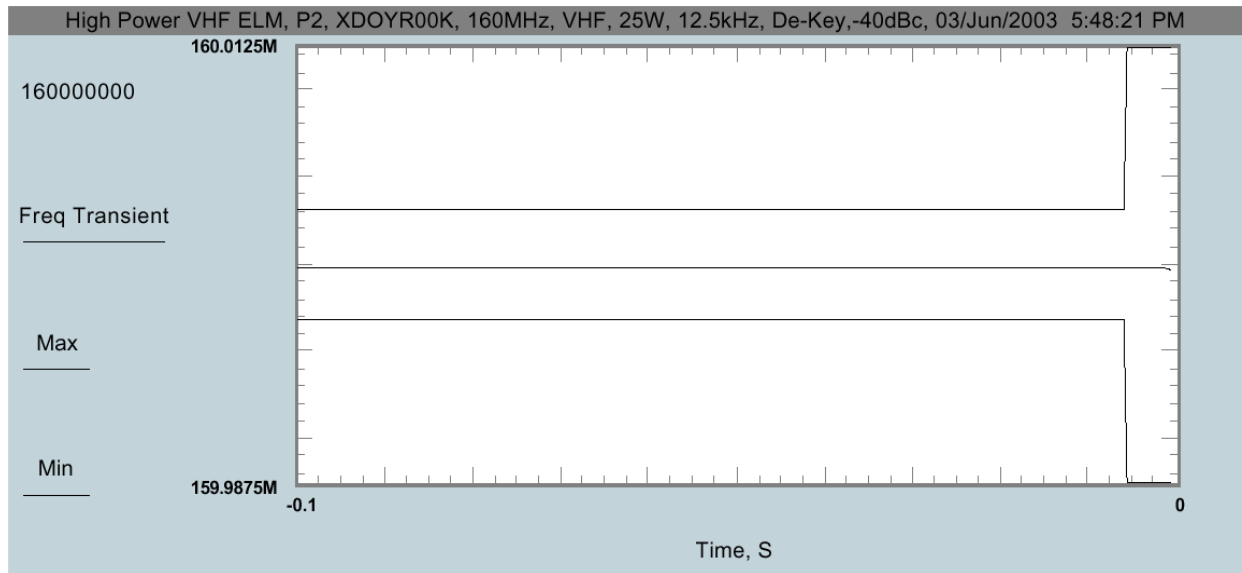


Top Trace – Absolute Frequency

Bottom Trace – Normalized Frequency

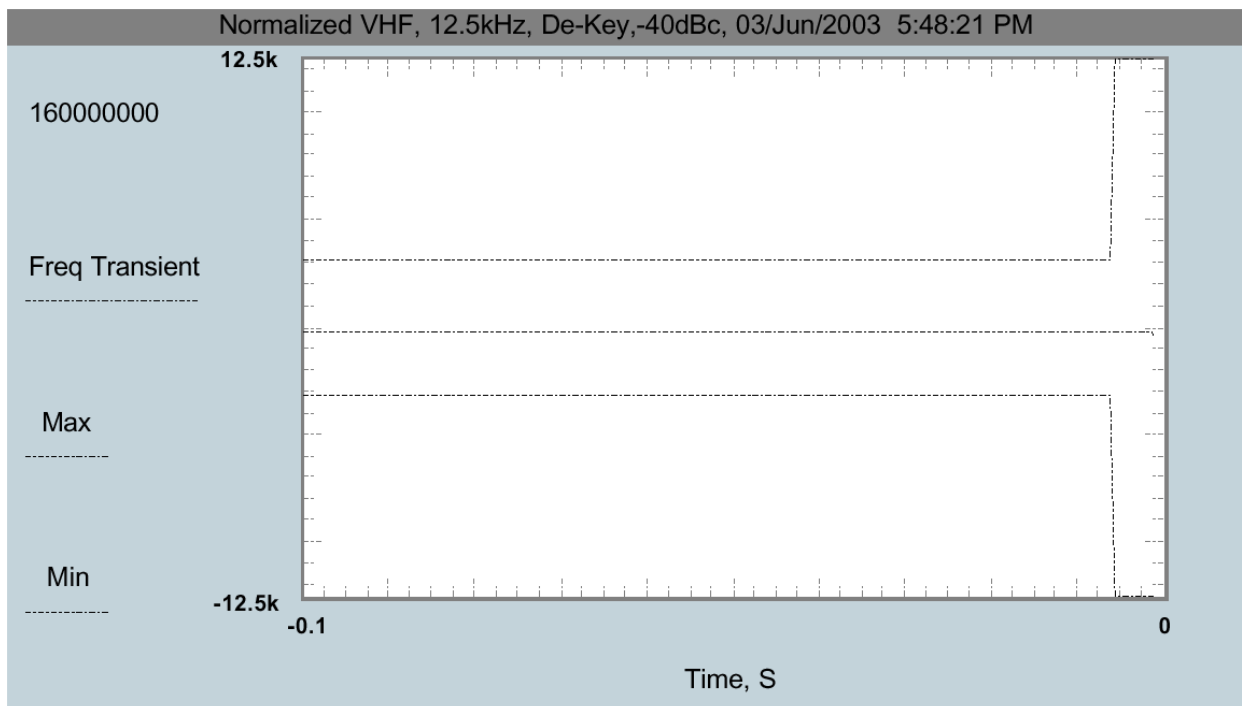


TRANSIENT FREQUENCY BEHAVIOR
25 WATTS, 12.5 kHz, DE-KEY DECAY TIME

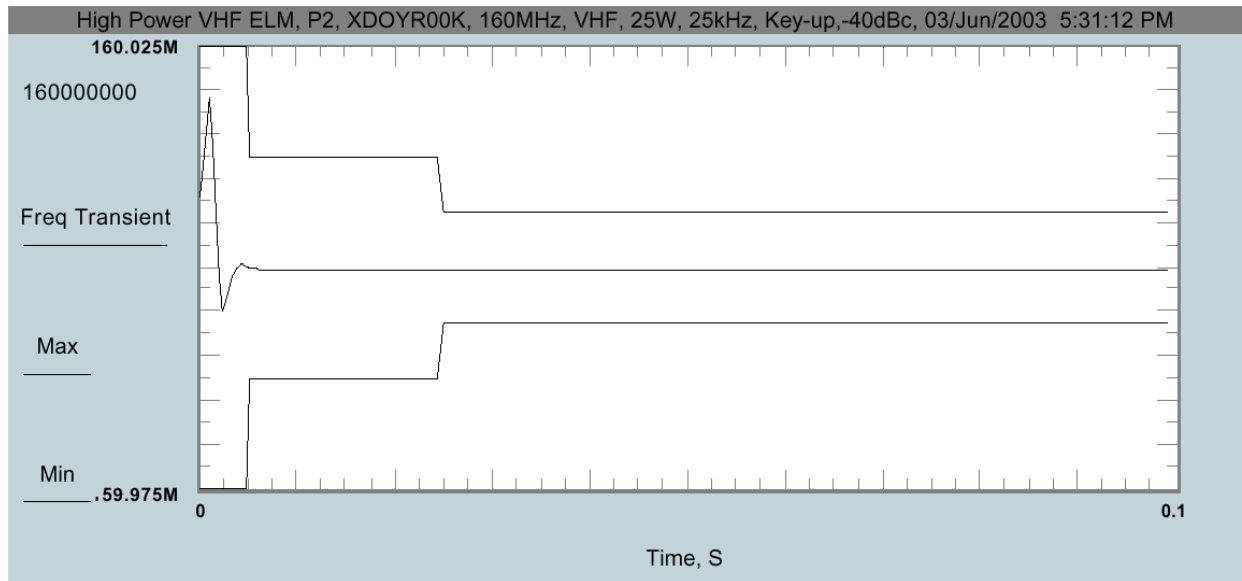


Top Trace – Absolute Frequency

Bottom Trace – Normalized Frequency

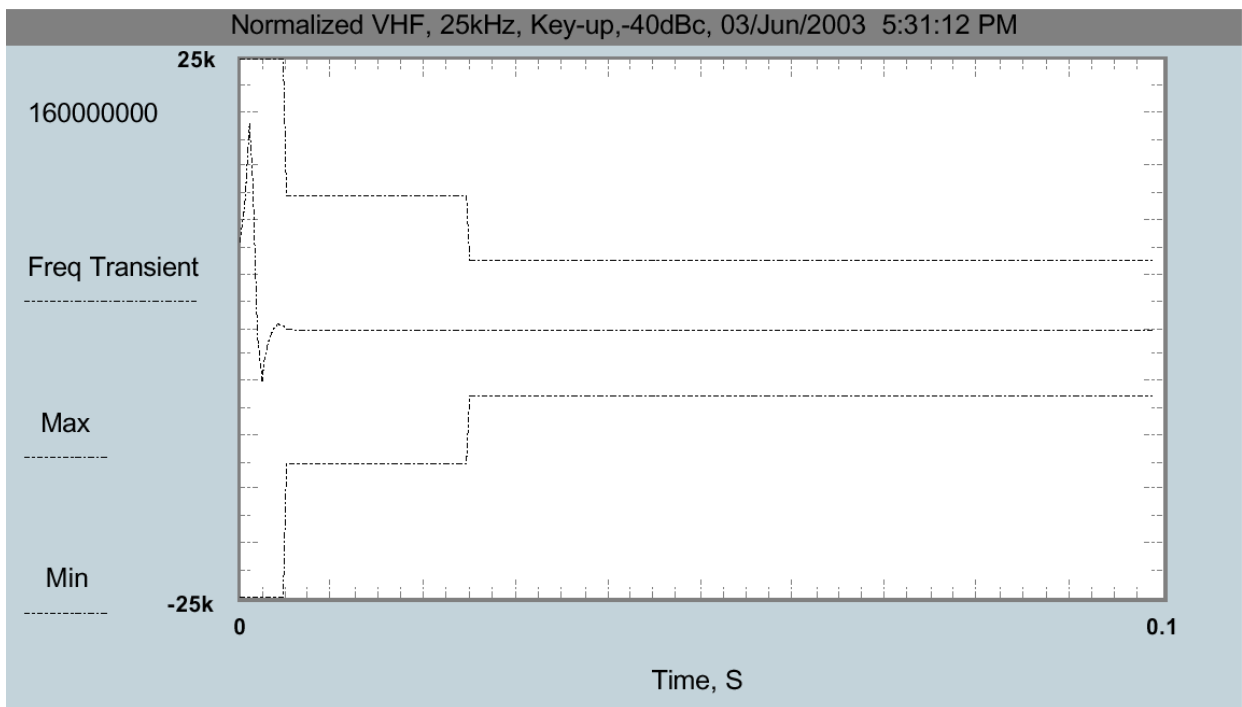


TRANSIENT FREQUENCY BEHAVIOR
25 WATTS, 25 kHz, KEY-UP ATTACK TIME

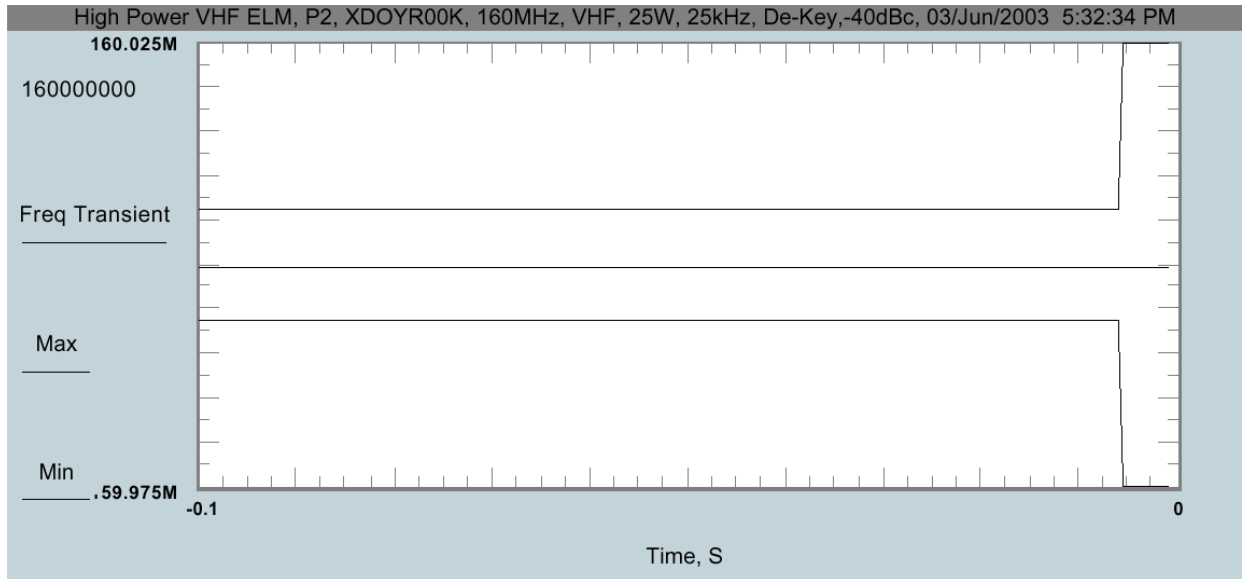


Top Trace – Absolute Frequency

Bottom Trace – Normalized Frequency



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



Top Trace – Absolute Frequency

Bottom Trace – Normalized Frequency

