

**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
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**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, 403.000 MHz
- 6F-2 – 30 Watts, 436.000 MHz
- 6F-3 – 30 Watts, 470.000 MHz
- 6F-4 – 1 Watt, 403.000 MHz
- 6F-5 – 1 Watt, 436.000 MHz
- 6F-6 – 1 Watt, 470.000 MHz

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

6G-1 – 30 Watts, 403.0125 MHz, 12.5 kHz  
6G-2 – 30 Watts, 436.0125 MHz, 12.5 kHz  
6G-3 – 30 Watts, 469.9750 MHz, 12.5 kHz  
6G-4 – 1 Watt, 403.0125 MHz, 12.5 kHz  
6G-5 – 1 Watt, 436.0125 MHz, 12.5 kHz  
6G-6 – 1 Watt, 469.9750 MHz, 12.5 kHz  
6G-7 – 30 Watts, 403.0125 MHz, 25 kHz  
6G-8 – 30 Watts, 436.0125 MHz, 25 kHz  
6G-9 – 30 Watts, 469.9750 MHz, 25 kHz  
6G-10 – 1 Watt, 403.0125 MHz, 25 kHz  
6G-11 – 1 Watt, 436.0125 MHz, 25 kHz  
6G-12 – 1 Watt, 469.9750 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 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 403.000 MHz**

|                            |              |
|----------------------------|--------------|
| Measured RF Output Power:  | 30.0 Watts   |
| Measured DC Voltage:       | 13.6 Volts   |
| Measured DC Input Current: | 5.87 Amperes |
| Measured DC Input Power:   | 79.9 Watts   |

**LOW POWER SETTING, FREQUENCY 403.025 MHz**

|                            |              |
|----------------------------|--------------|
| Measured RF Output Power:  | 1.0 Watt     |
| Measured DC Voltage:       | 13.6 Volts   |
| Measured DC Input Current: | 1.69 Amperes |
| Measured DC Input Power:   | 23.0 Watts   |

**HIGH POWER SETTING, FREQUENCY 436.000 MHz**

|                            |              |
|----------------------------|--------------|
| Measured RF Output Power:  | 30.0 Watts   |
| Measured DC Voltage:       | 13.6 Volts   |
| Measured DC Input Current: | 6.15 Amperes |
| Measured DC Input Power:   | 83.7 Watts   |

**LOW POWER SETTING, FREQUENCY 436.025 MHz**

|                            |              |
|----------------------------|--------------|
| Measured RF Output Power:  | 1.0 Watt     |
| Measured DC Voltage:       | 13.6 Volts   |
| Measured DC Input Current: | 1.76 Amperes |
| Measured DC Input Power:   | 24.0 Watts   |

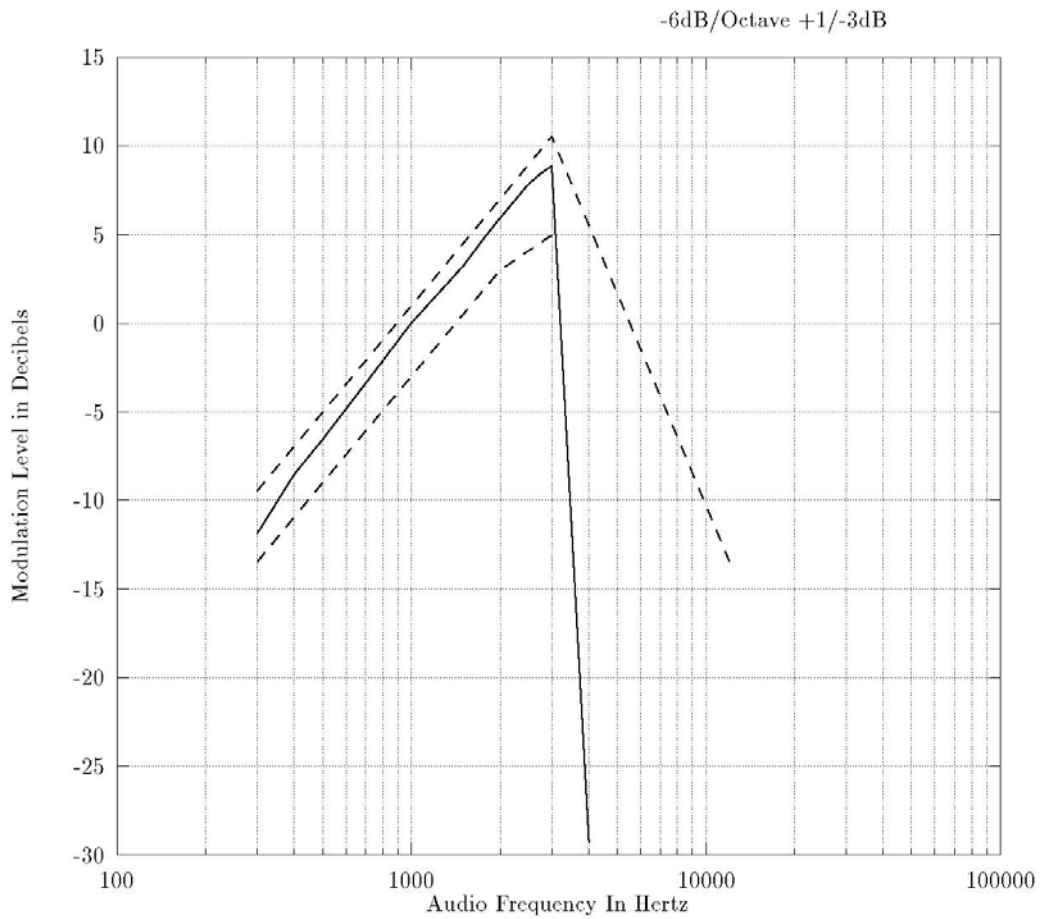
**HIGH POWER SETTING, FREQUENCY 470.000 MHz**

|                            |              |
|----------------------------|--------------|
| Measured RF Output Power:  | 30.0 Watts   |
| Measured DC Voltage:       | 13.6 Volts   |
| Measured DC Input Current: | 6.63 Amperes |
| Measured DC Input Power:   | 90.2 Watts   |

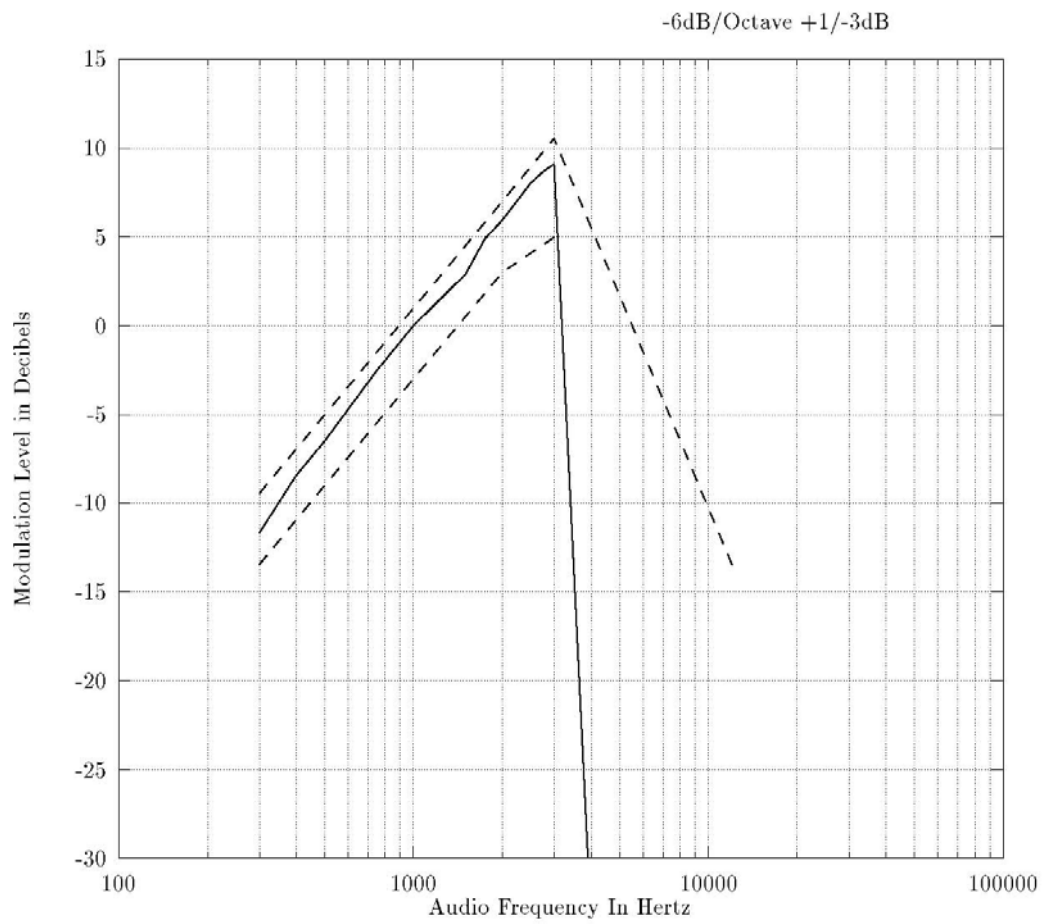
**LOW POWER SETTING, FREQUENCY 469.975 MHz**

|                            |              |
|----------------------------|--------------|
| Measured RF Output Power:  | 1.0 Watt     |
| Measured DC Voltage:       | 13.6 Volts   |
| Measured DC Input Current: | 1.79 Amperes |
| Measured DC Input Power:   | 24.4 Watts   |

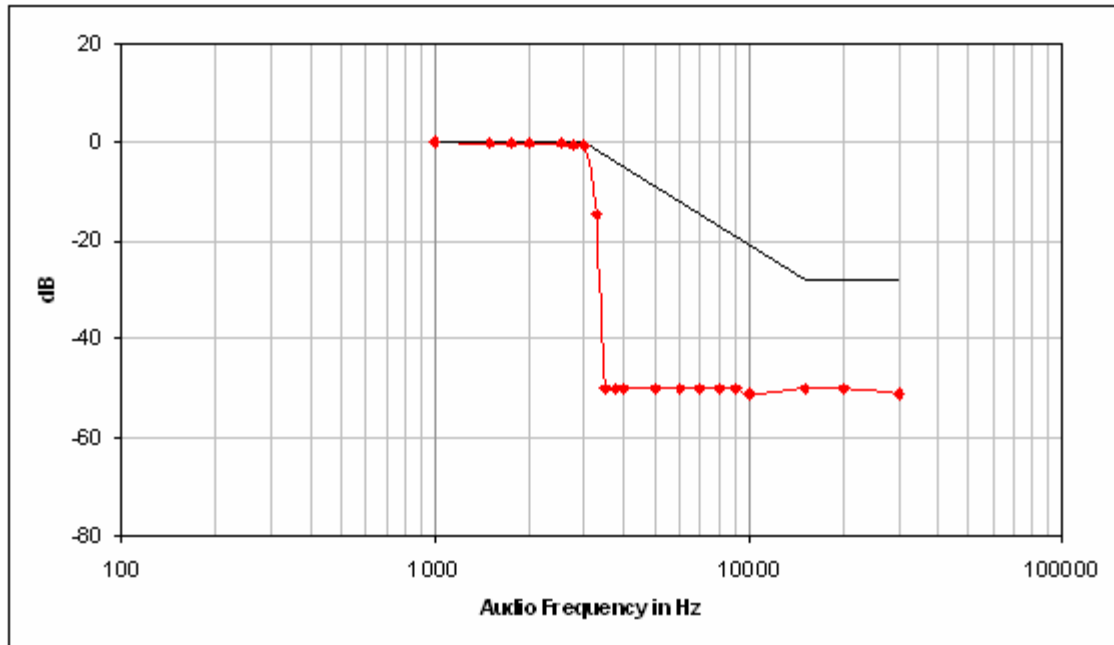
**TRANSMIT AUDIO RESPONSE  
12.5 kHz CHANNEL SPACING**



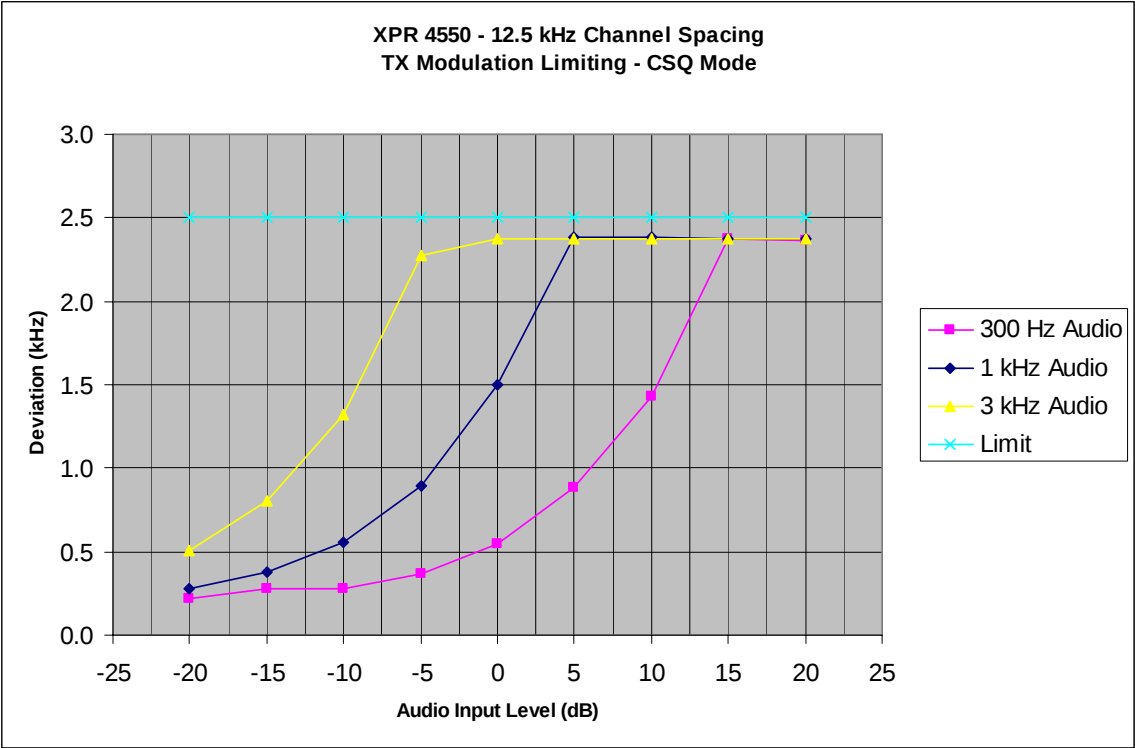
TRANSMIT AUDIO RESPONSE  
25 kHz CHANNEL SPACING



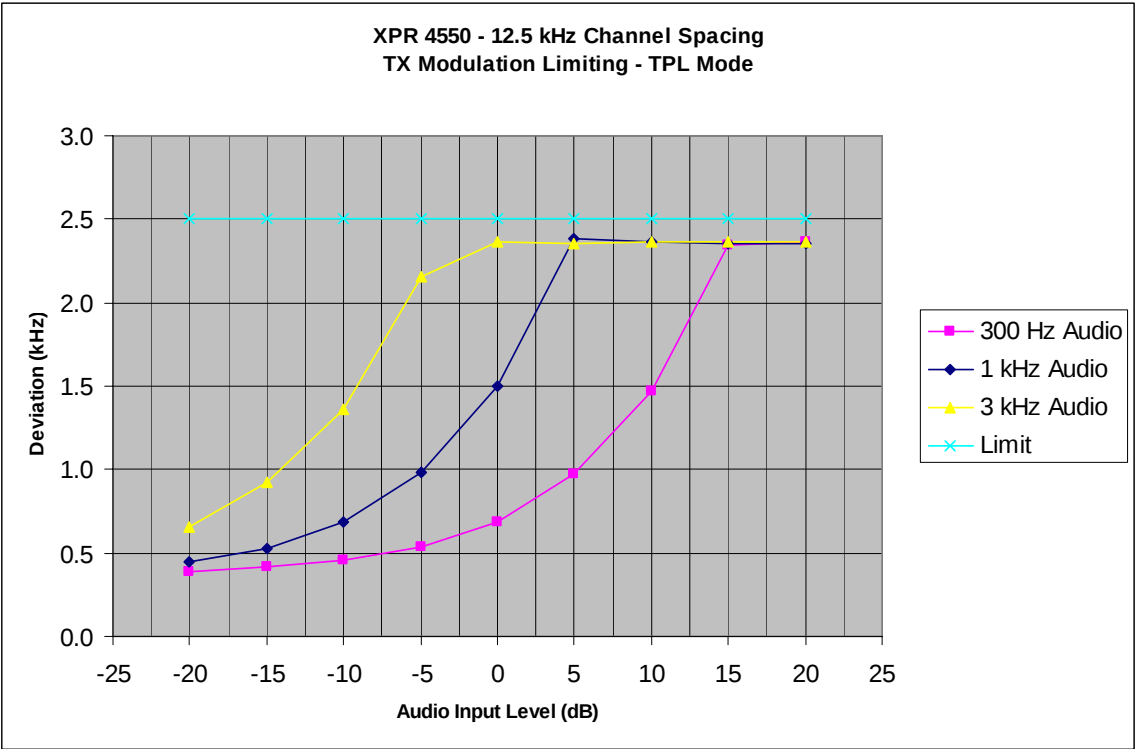
POST-LIMITER LOWPASS FILTER RESPONSE



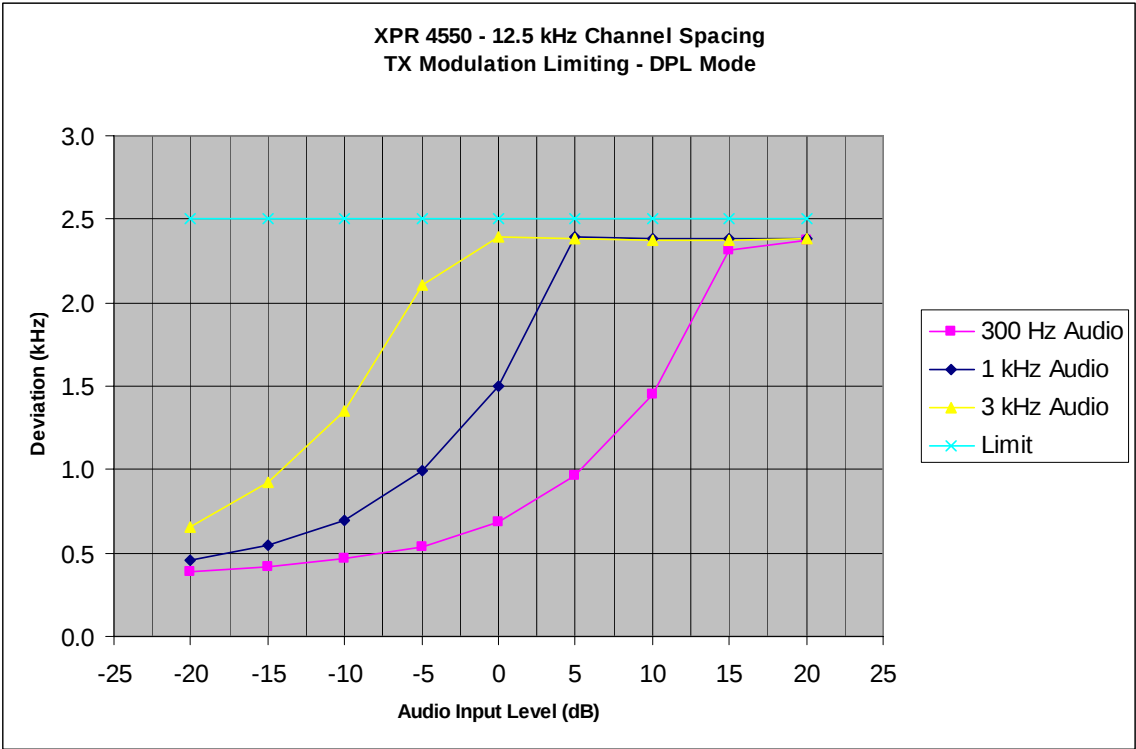
MODULATION LIMITING CHARACTERISTIC  
12.5 kHz CARRIER SQUELCH MODE



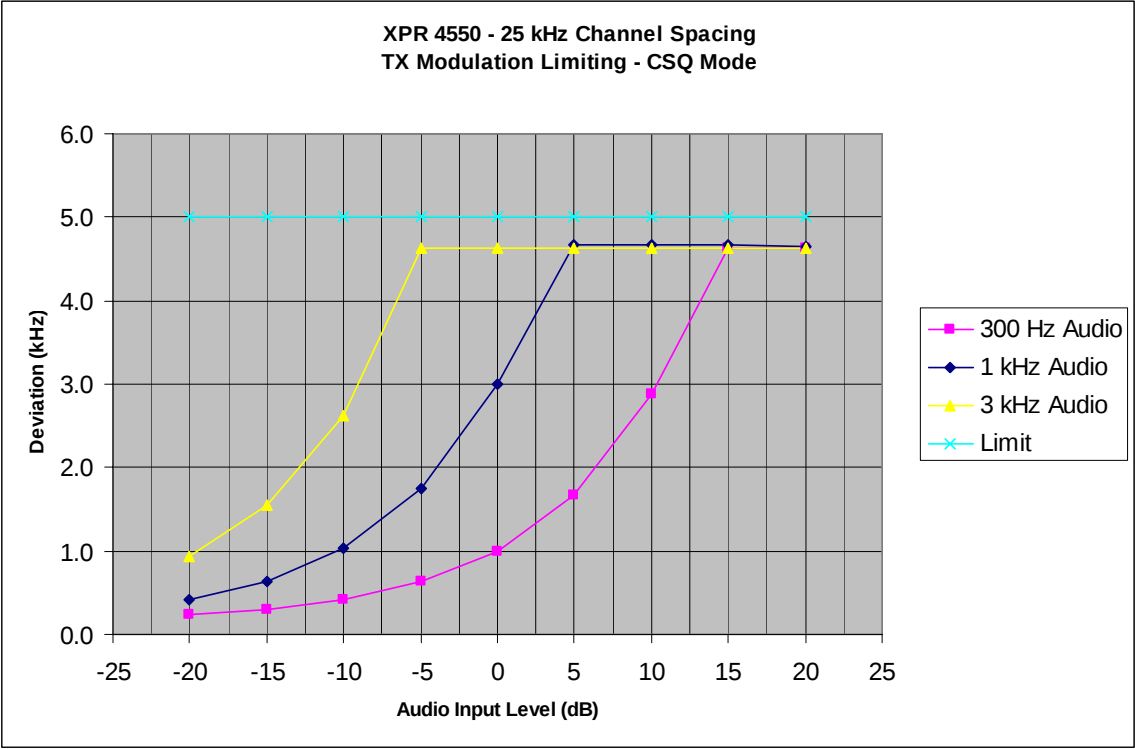
MODULATION LIMITING CHARACTERISTIC  
12.5 kHz TONE PL MODE



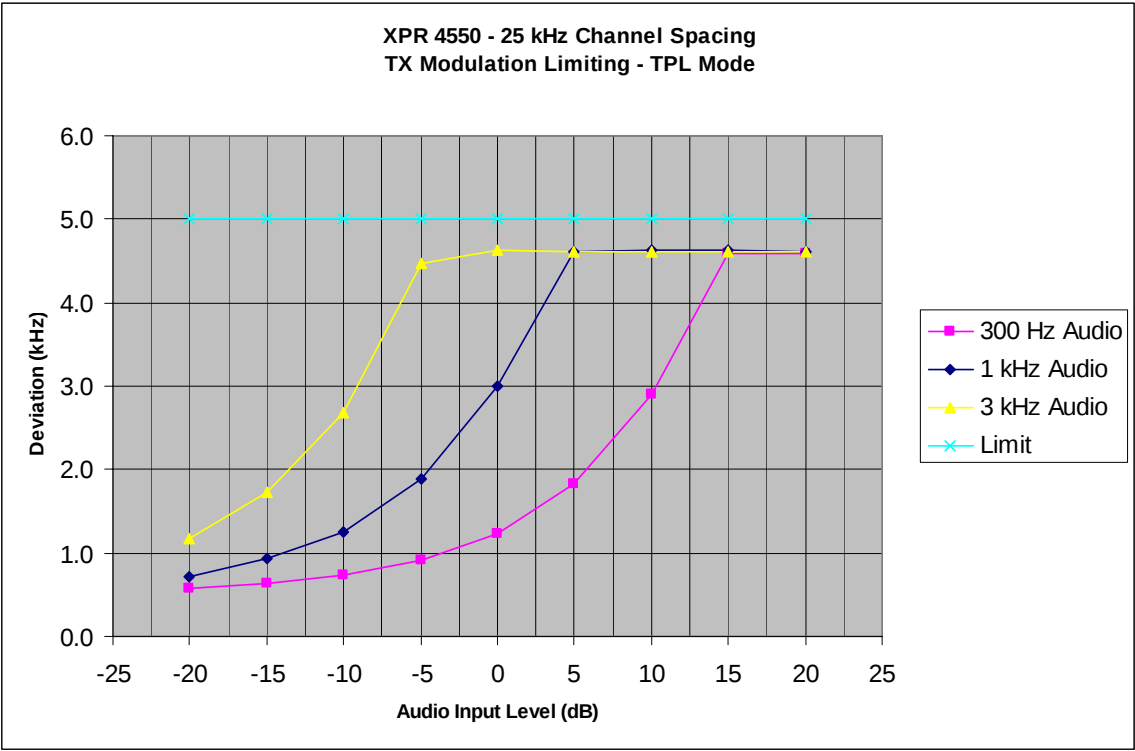
MODULATION LIMITING CHARACTERISTIC  
12.5 kHz DPL MODE



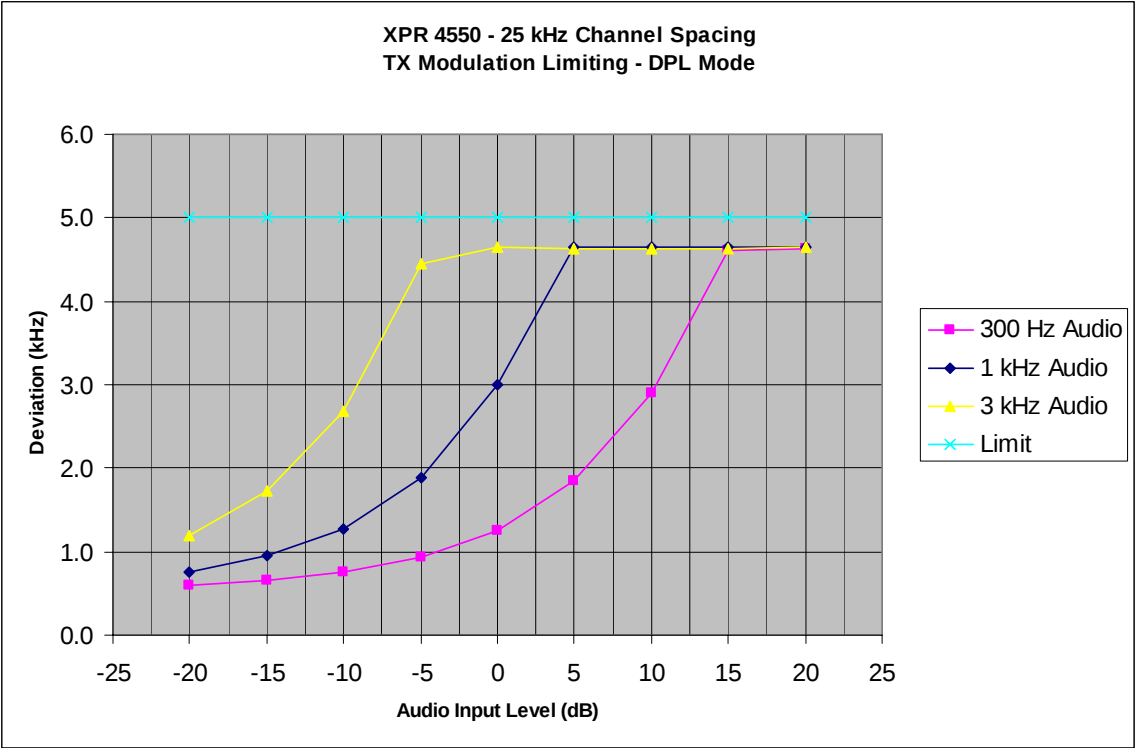
MODULATION LIMITING CHARACTERISTIC  
25 kHz CARRIER SQUELCH MODE



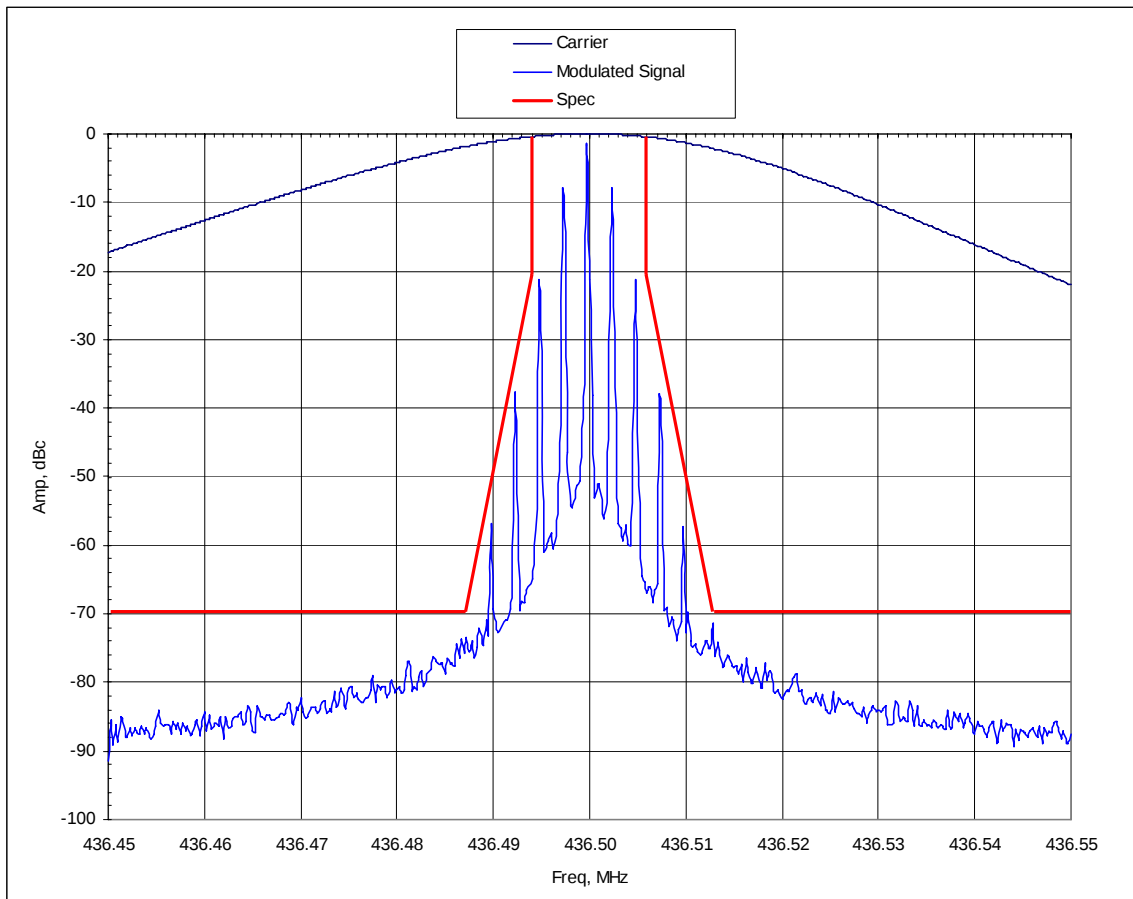
MODULATION LIMITING CHARACTERISTIC  
25 kHz TONE PL MODE



MODULATION LIMITING CHARACTERISTIC  
25 kHz DPL MODE

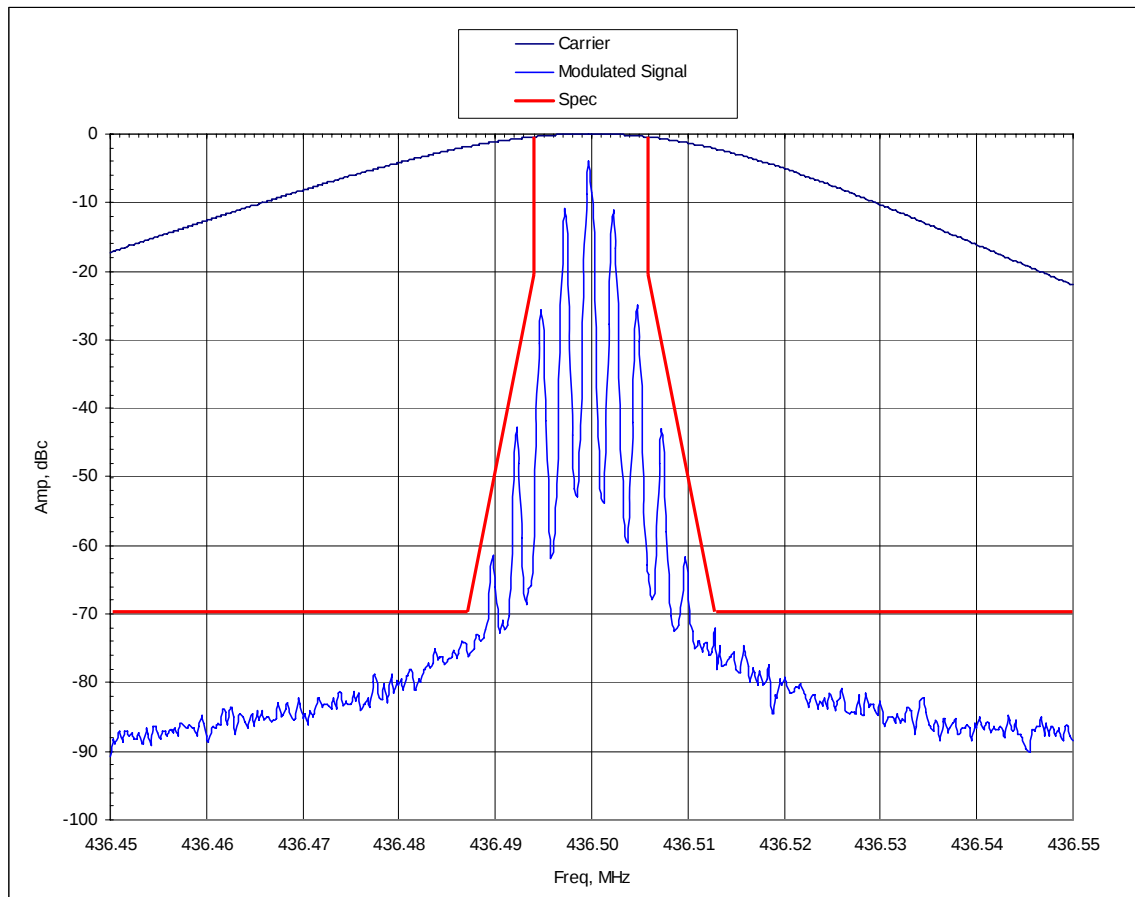


OCCUPIED BANDWIDTH MEASUREMENT FOR  
12.5 kHz CHANNEL SPACING, 2500 Hz TONE, CARRIER SQUELCH  
EMISSION MASK: D



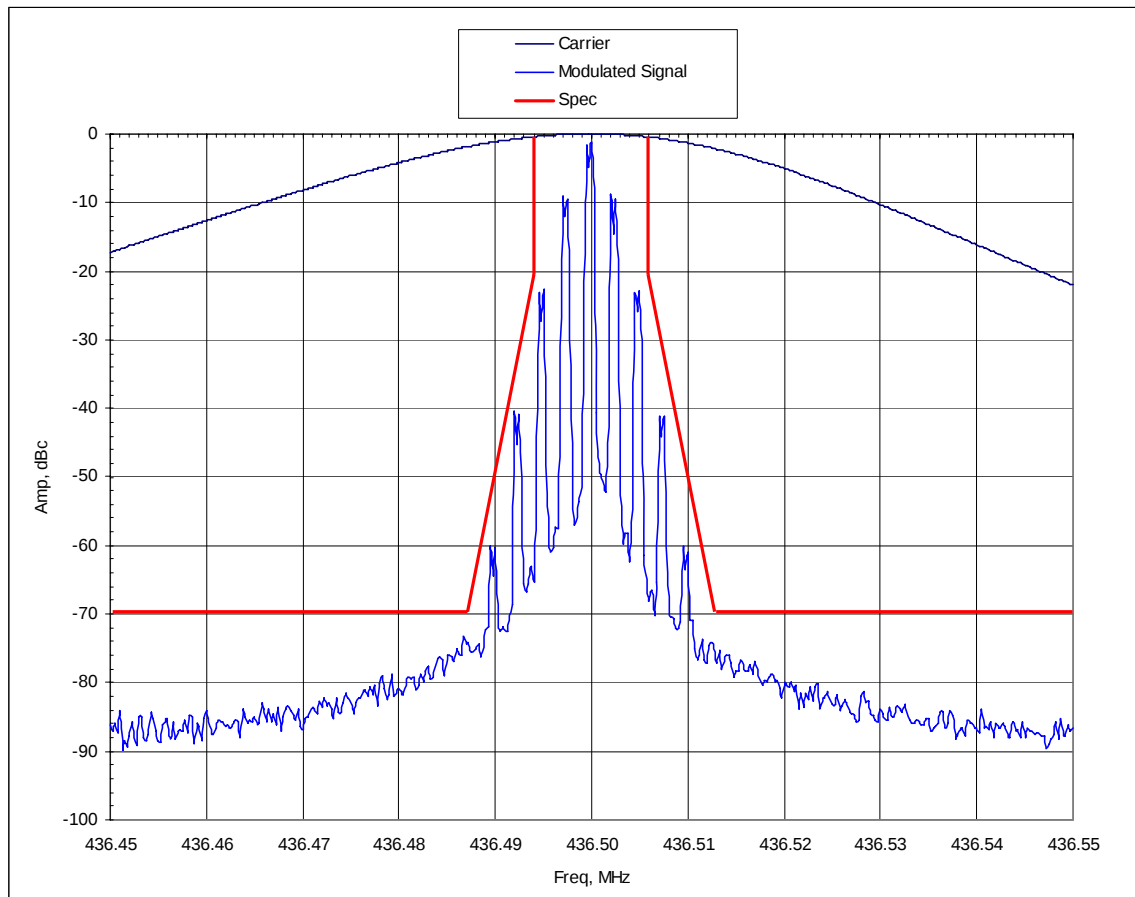
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|-----------------------|------------------|
| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 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



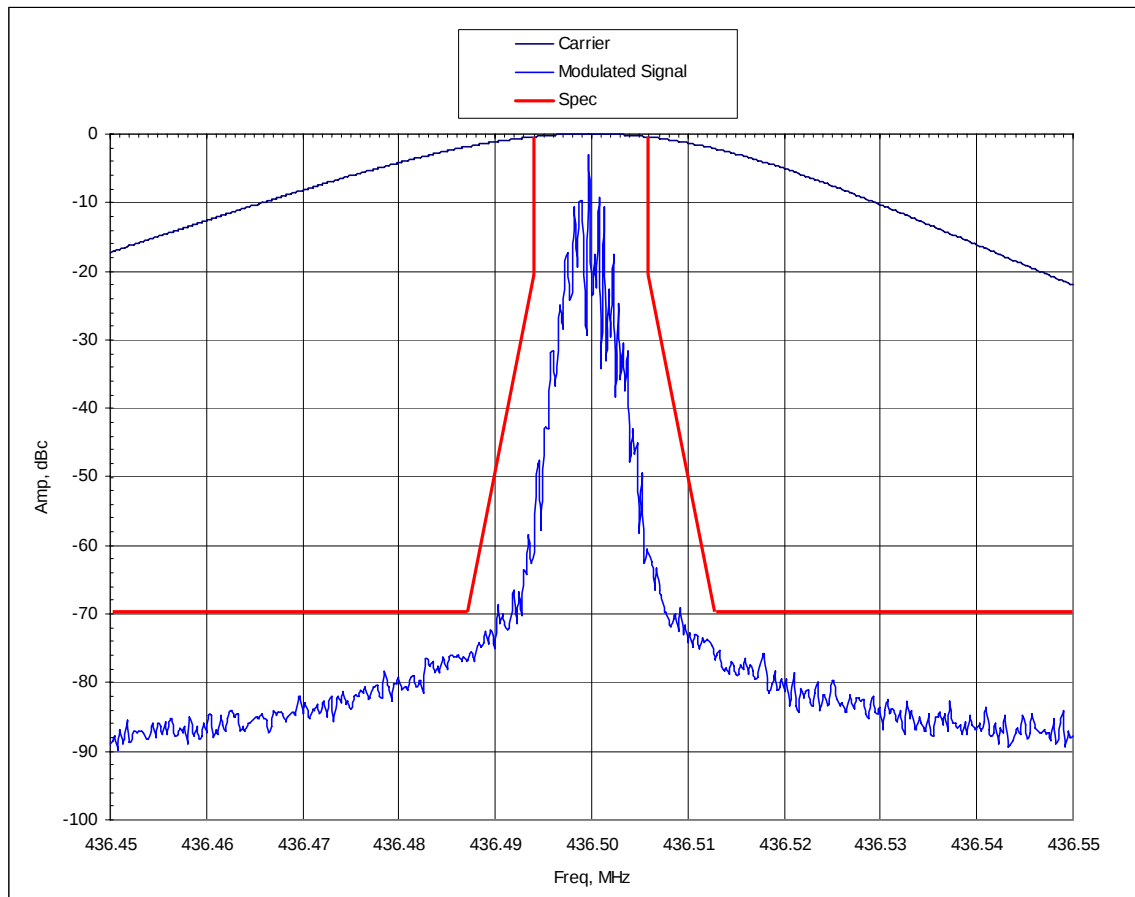
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|-----------------------|------------------|
| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 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



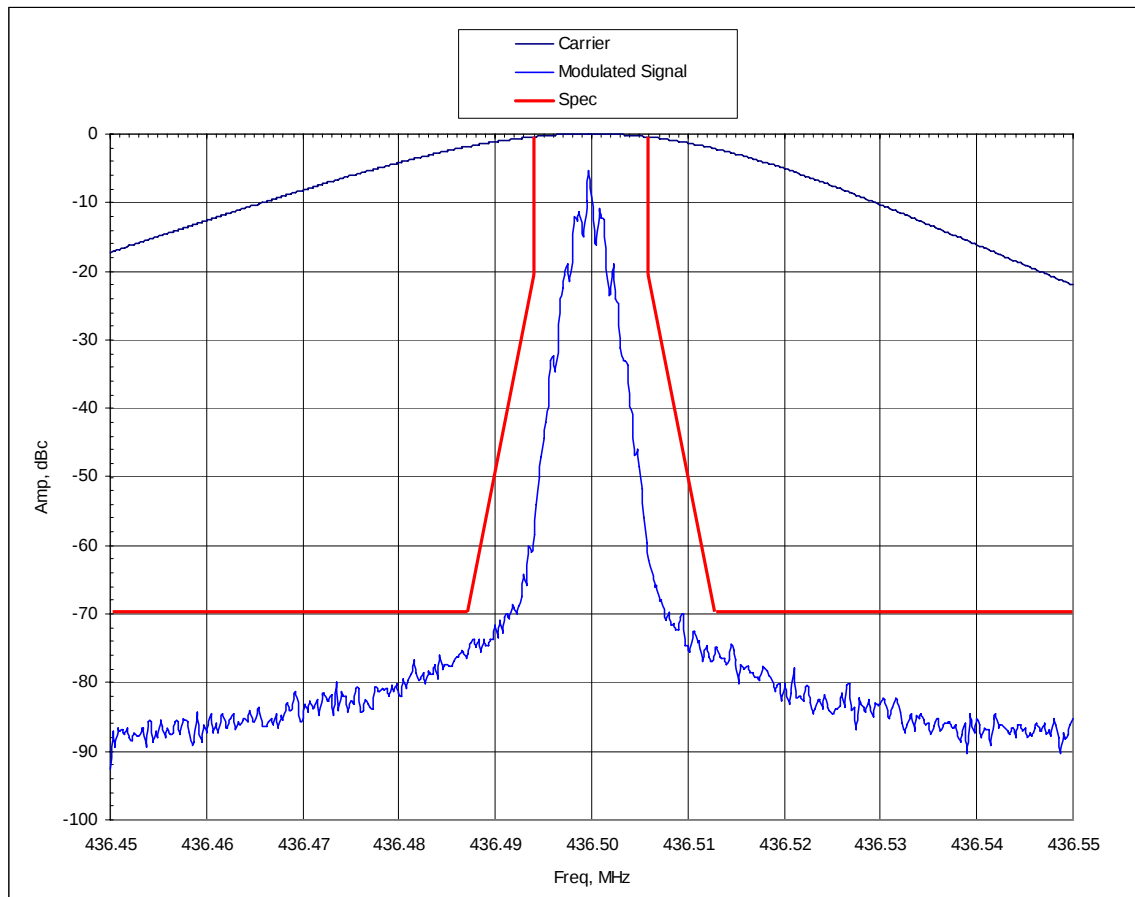
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| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| SWEEP TIME:           | 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



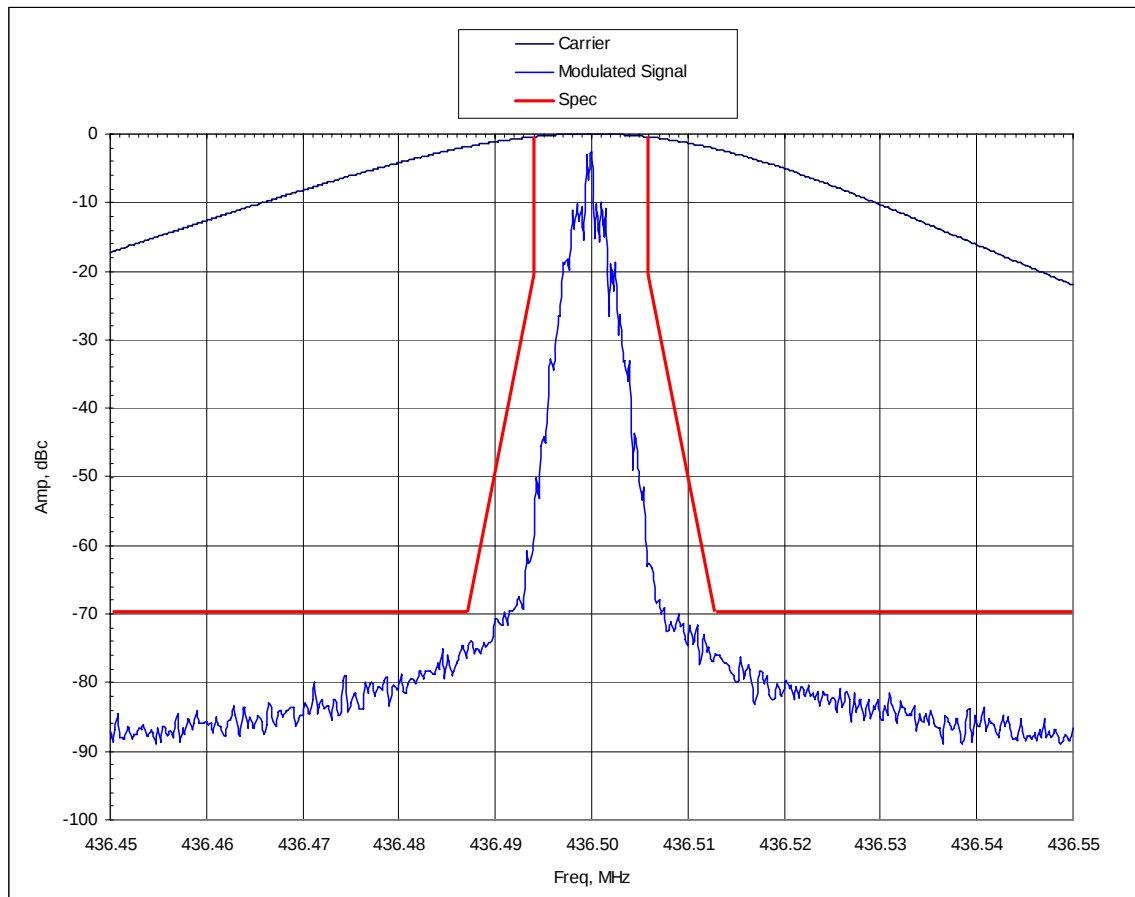
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| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| SWEEP TIME:           | 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



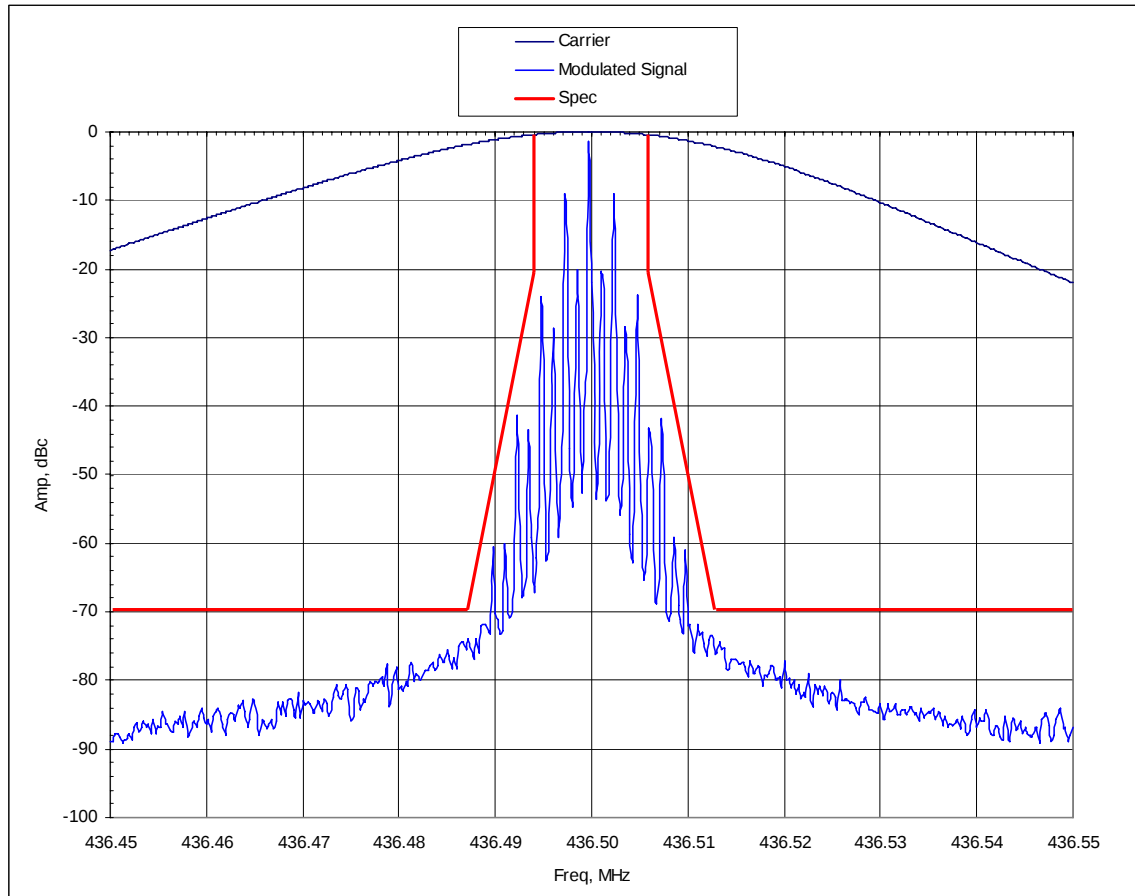
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| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| SWEEP TIME:           | 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



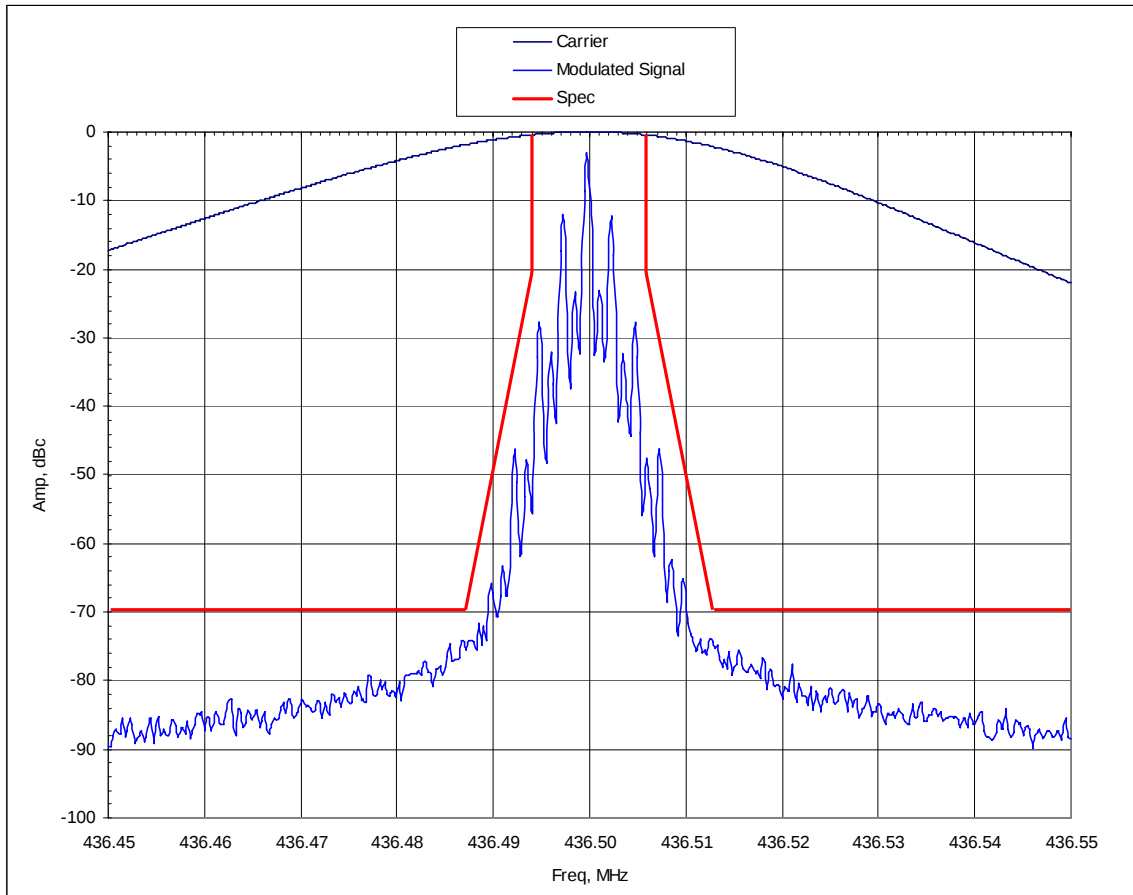
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| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| SWEEP TIME:           | 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



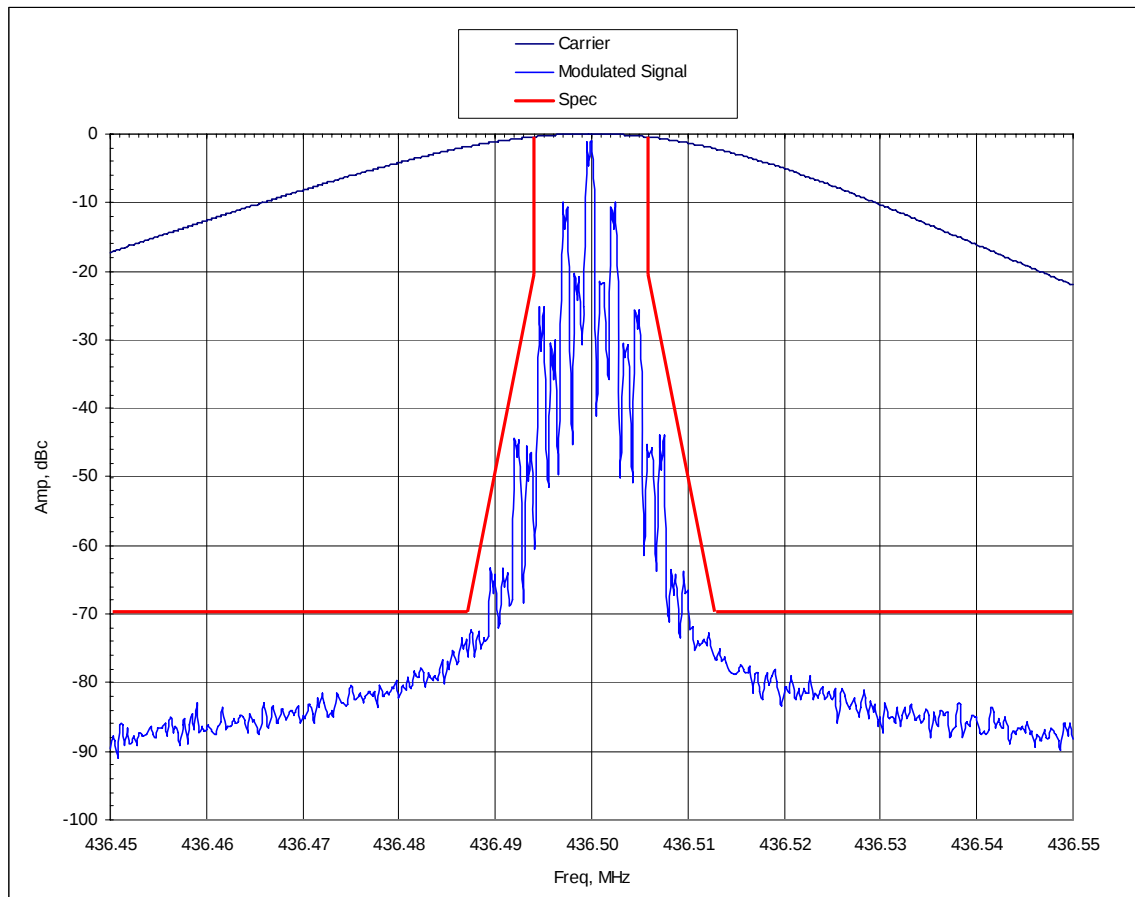
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| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| SWEEP TIME:           | 50 Sec.          |
| VERTICAL SCALE:       | 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



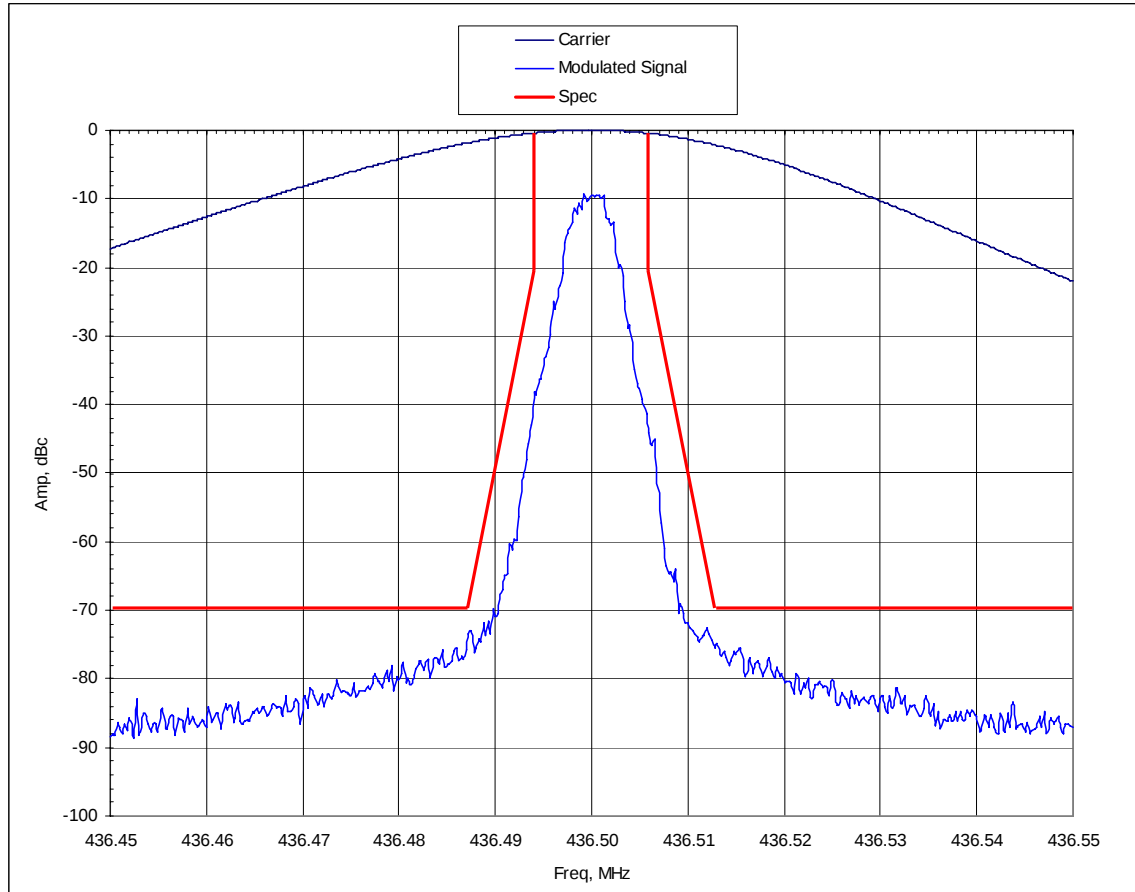
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| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| SWEEP TIME:           | 50 Sec.          |
| VERTICAL SCALE:       | 10 dB/div        |
| REFERENCE LEVEL:      | 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



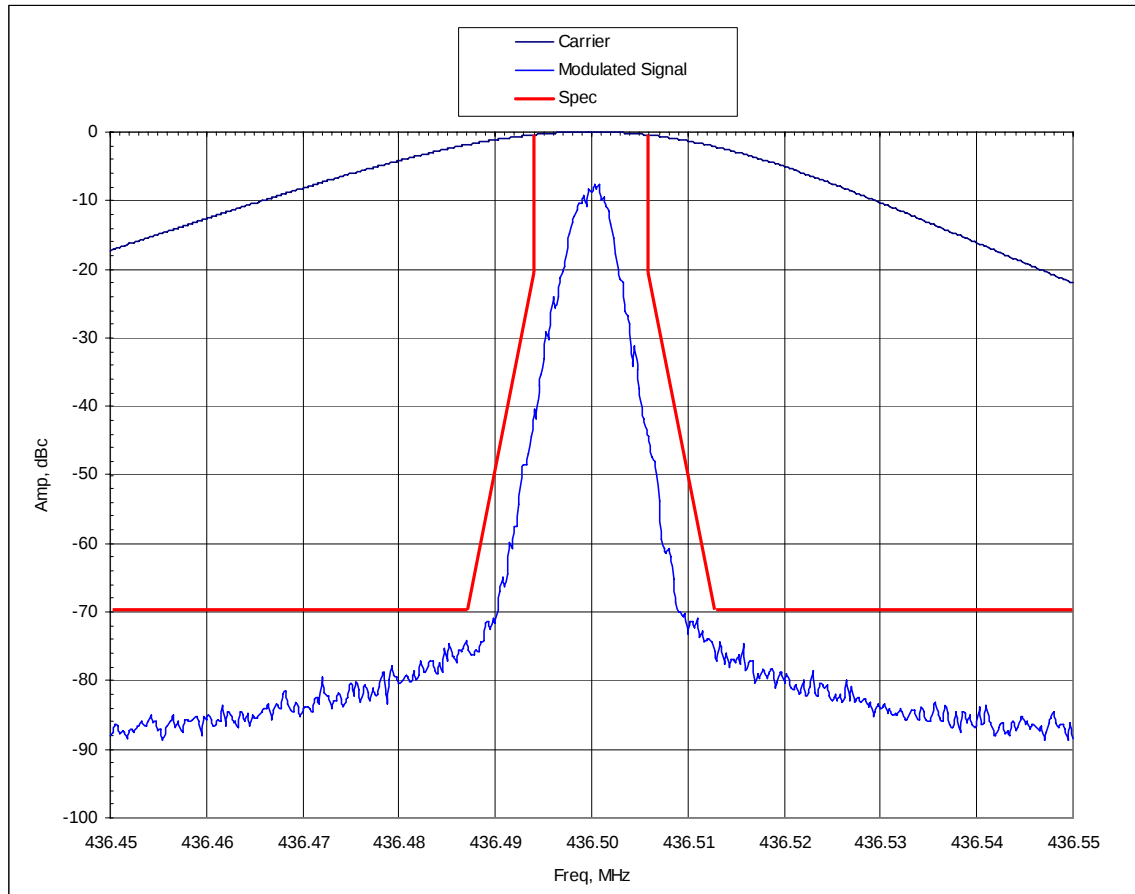
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| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| SWEEP TIME:           | 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



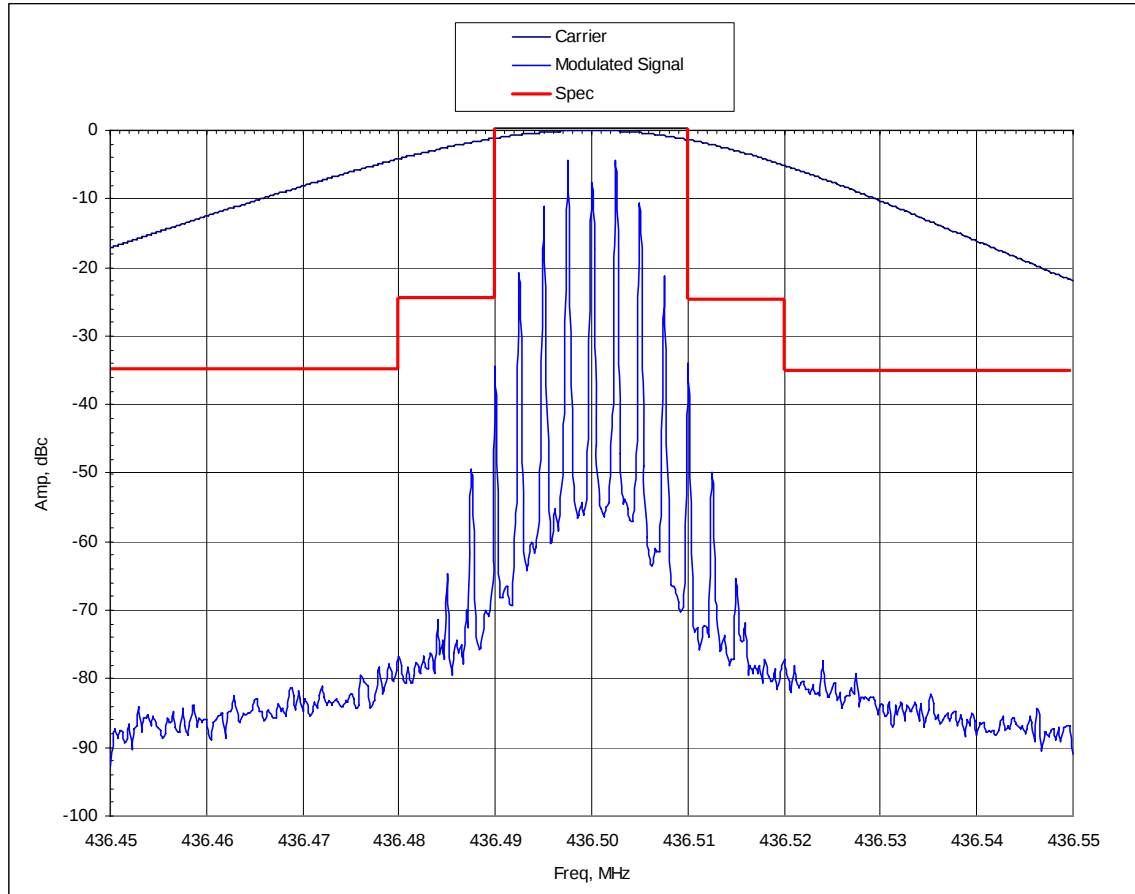
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| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| SWEEP TIME:           | 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**



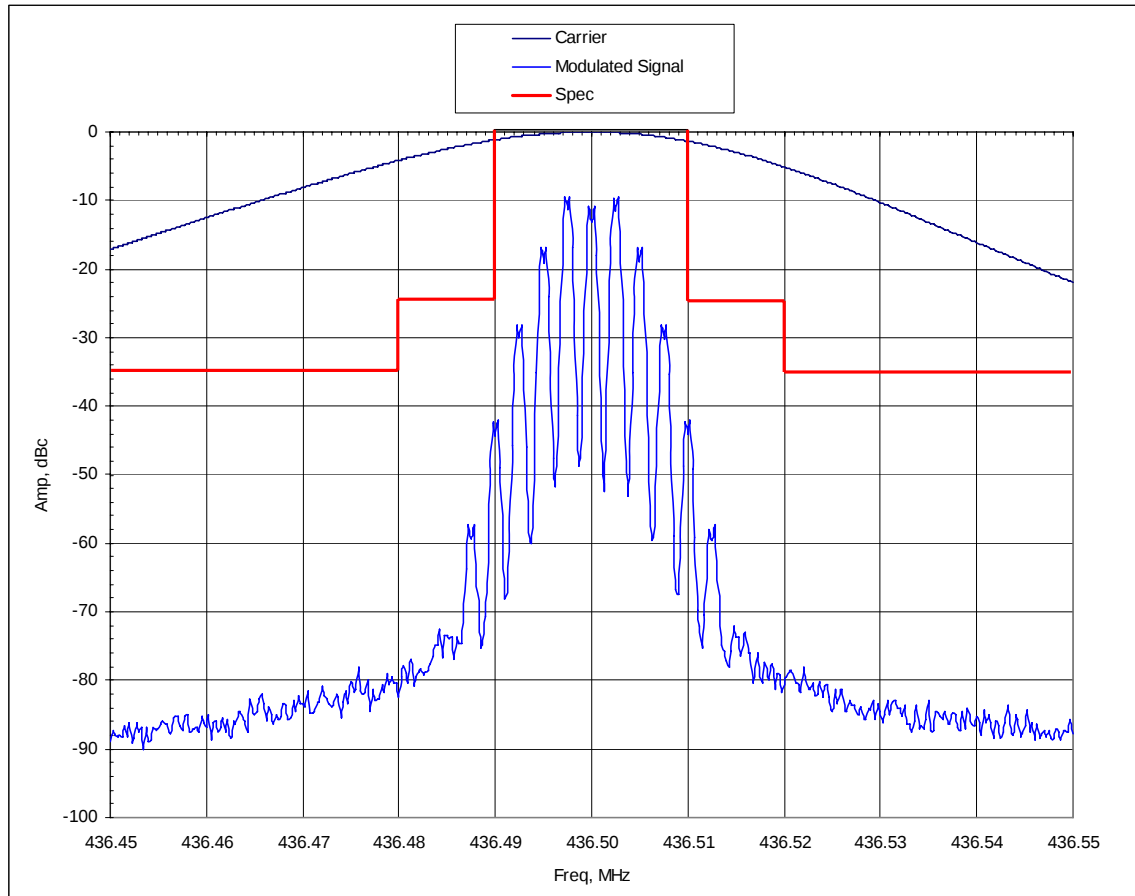
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| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| SWEEP TIME:           | 50 Sec.          |
| VERTICAL SCALE:       | 10 dB/div        |
| REFERENCE LEVEL:      | 0 dB = 4.6 Watts |
| ATTENUATION:          | 30 dB            |

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



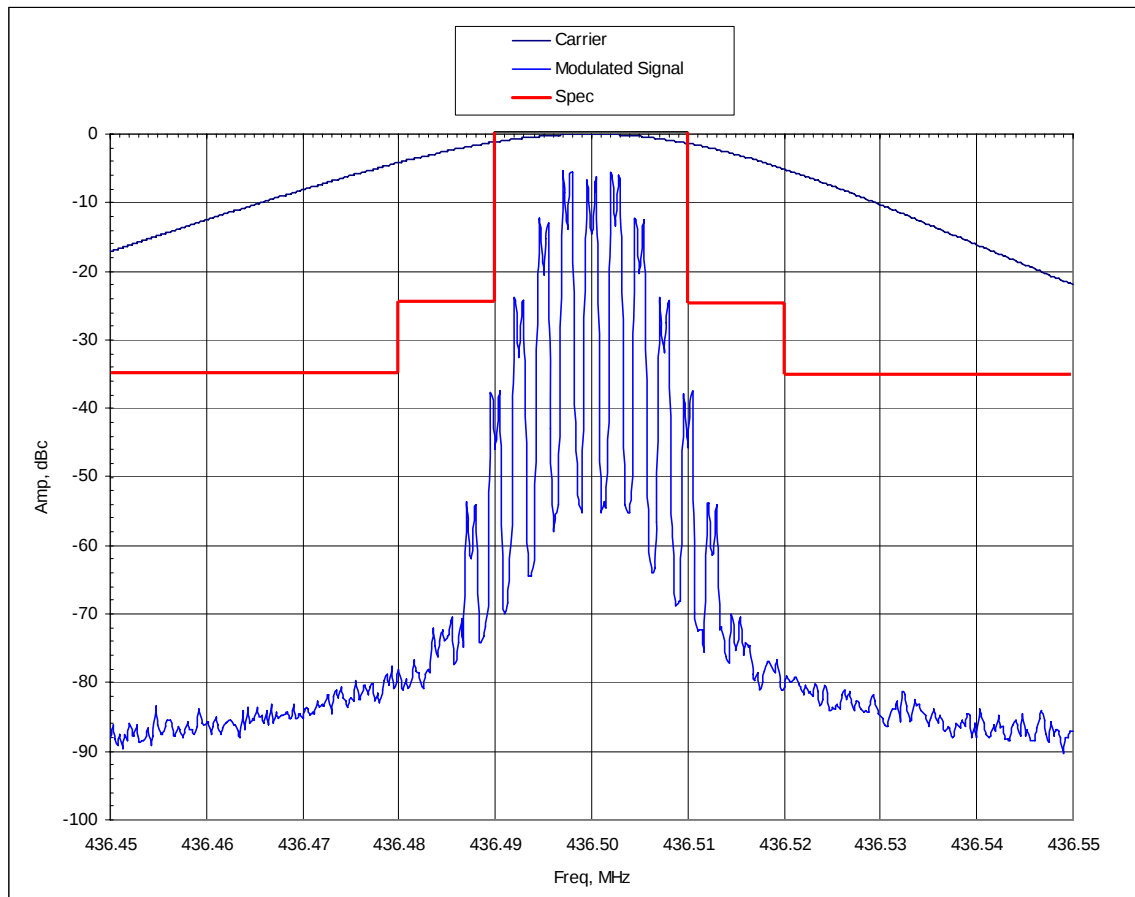
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| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| SWEEP TIME:           | 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



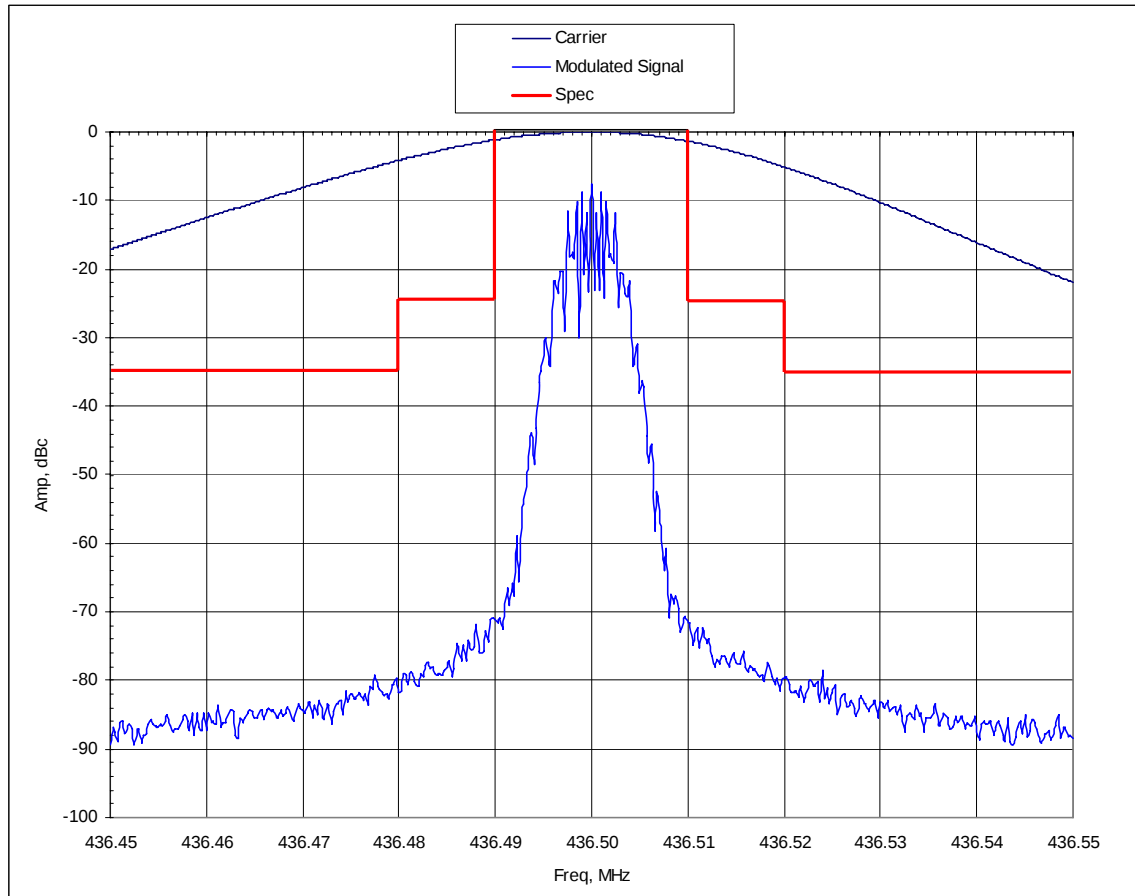
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| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| SWEEP TIME:           | 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



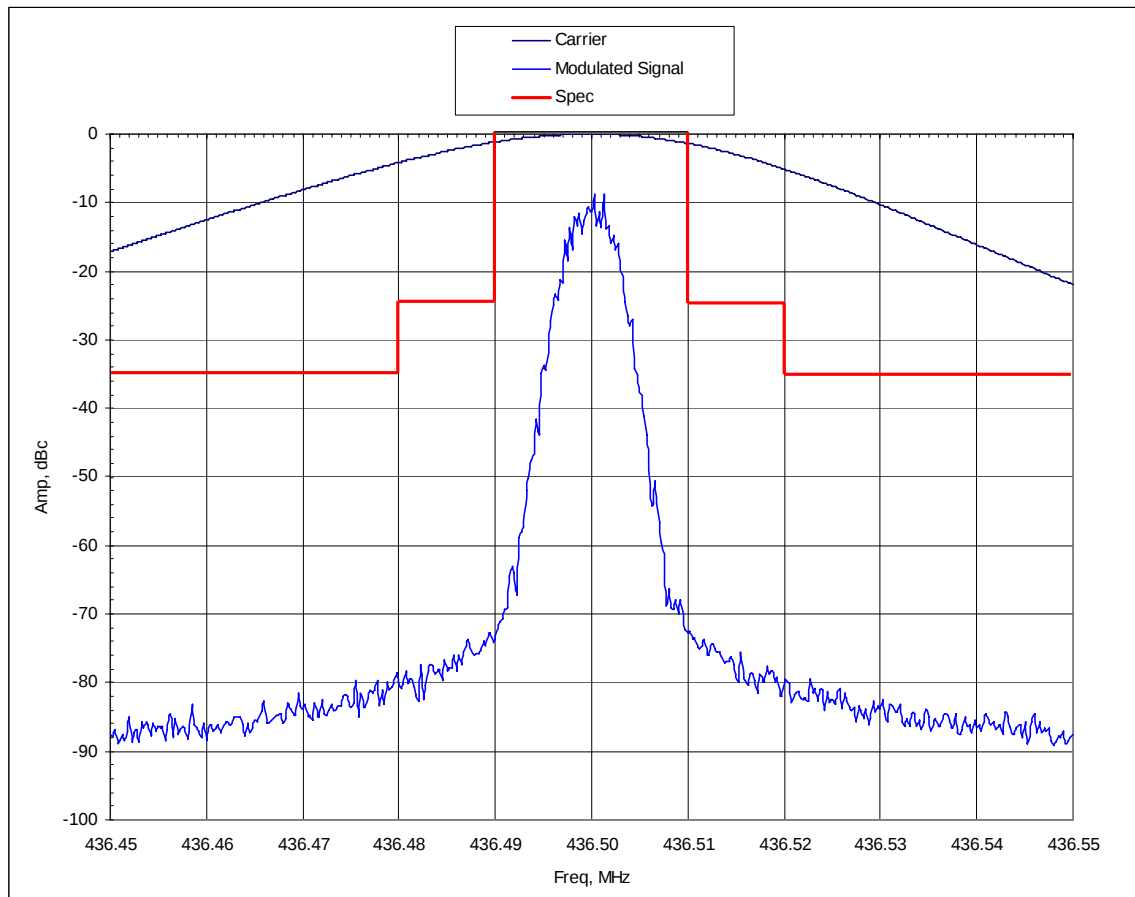
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|-----------------------|------------------|
| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 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



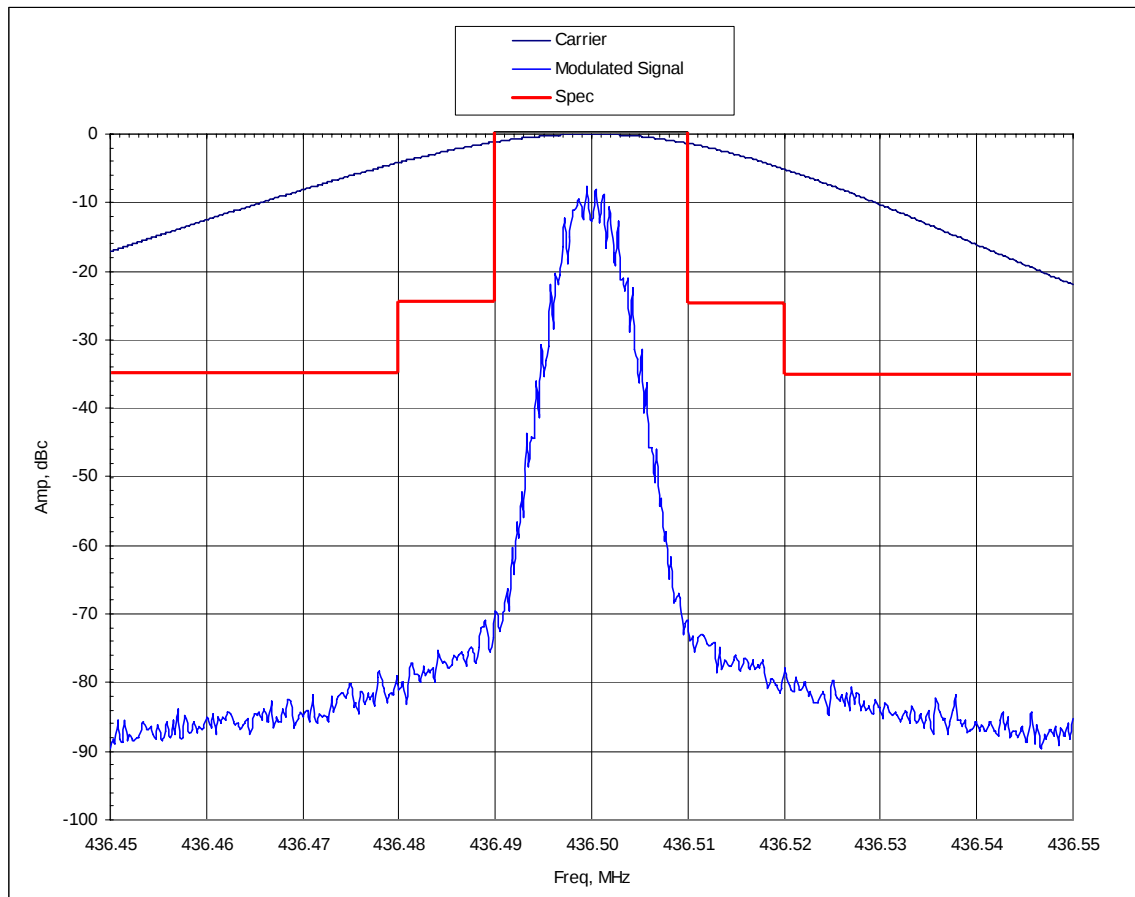
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| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| SWEEP TIME:           | 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



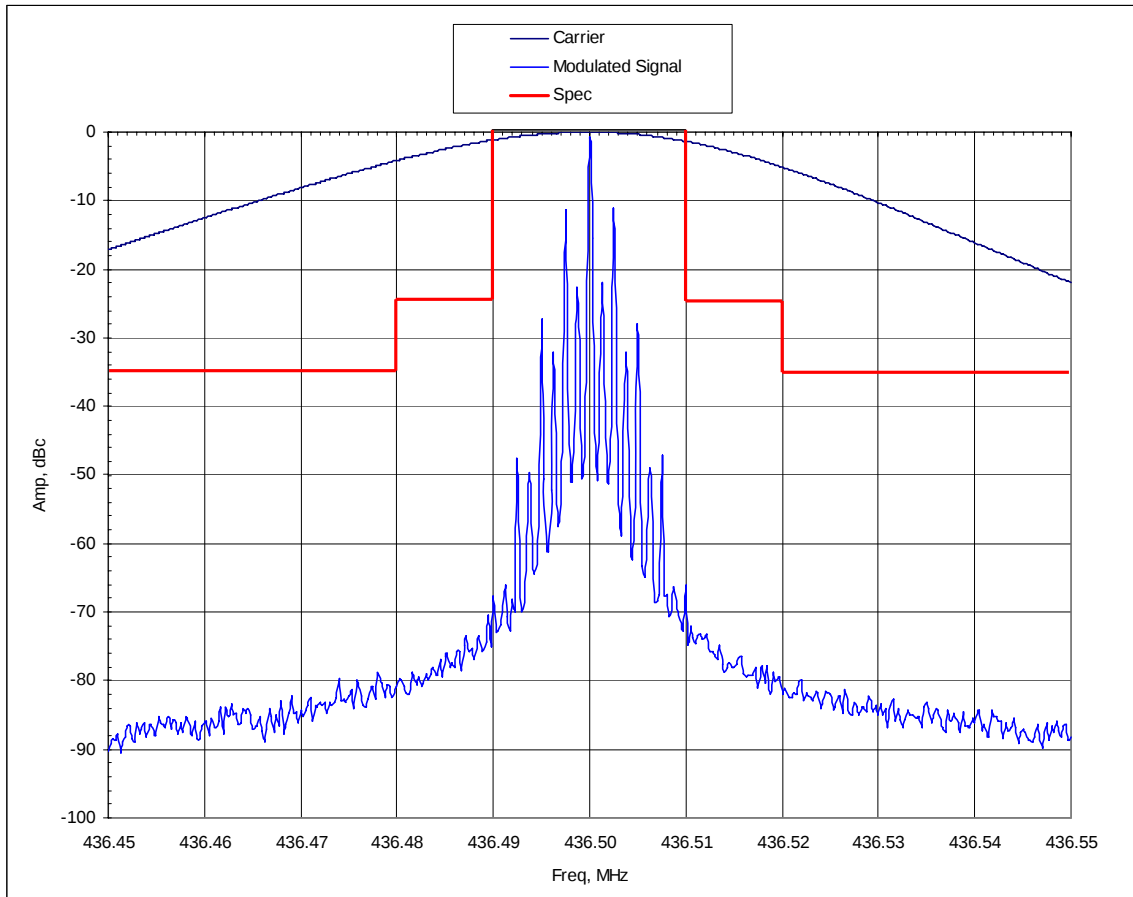
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|-----------------------|------------------|
| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 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



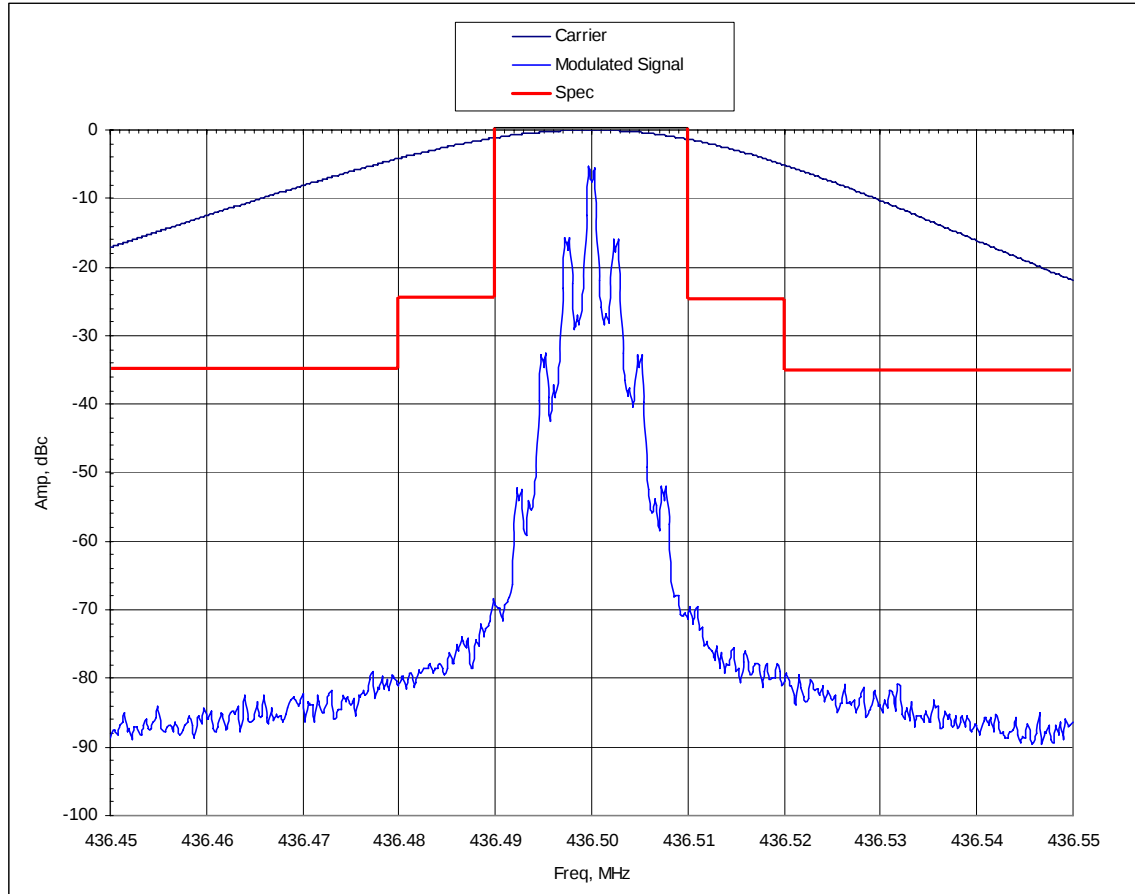
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| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| SWEEP TIME:           | 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



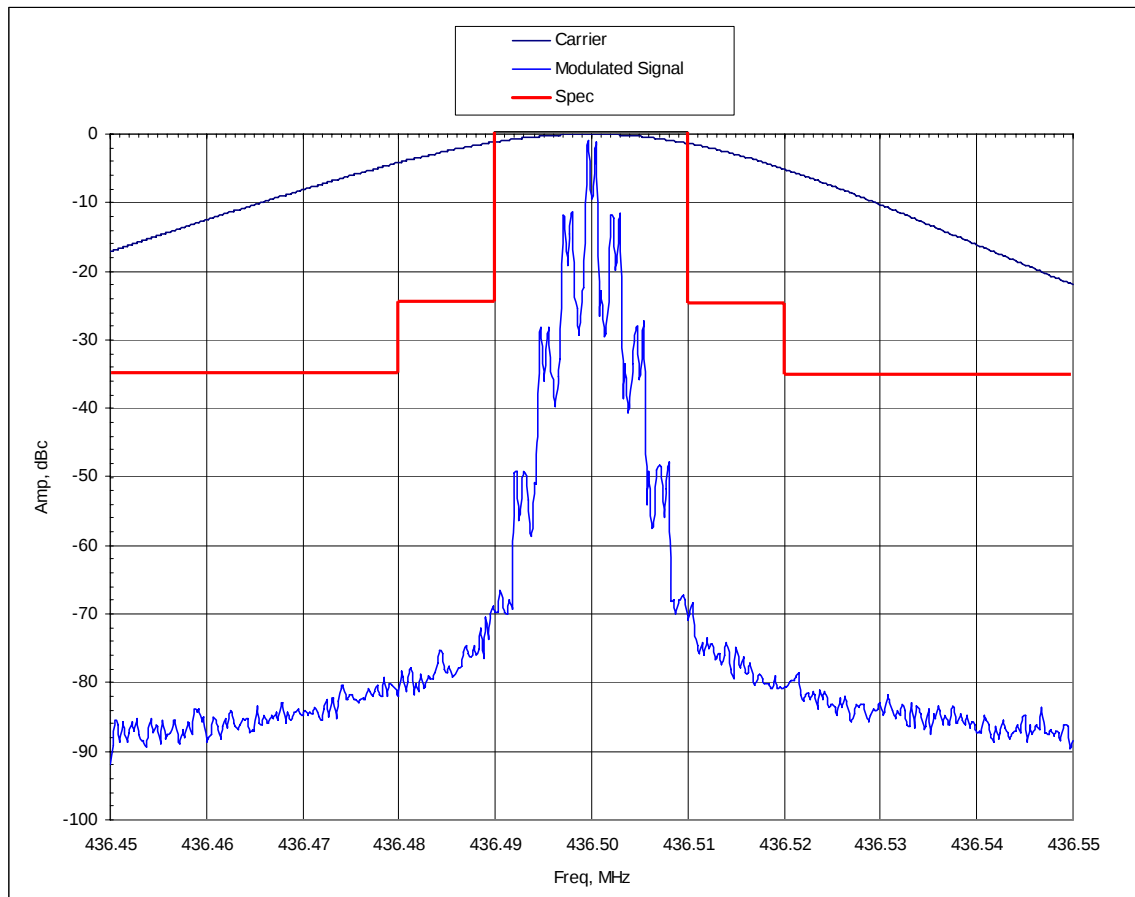
|                       |                  |
|-----------------------|------------------|
| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| 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



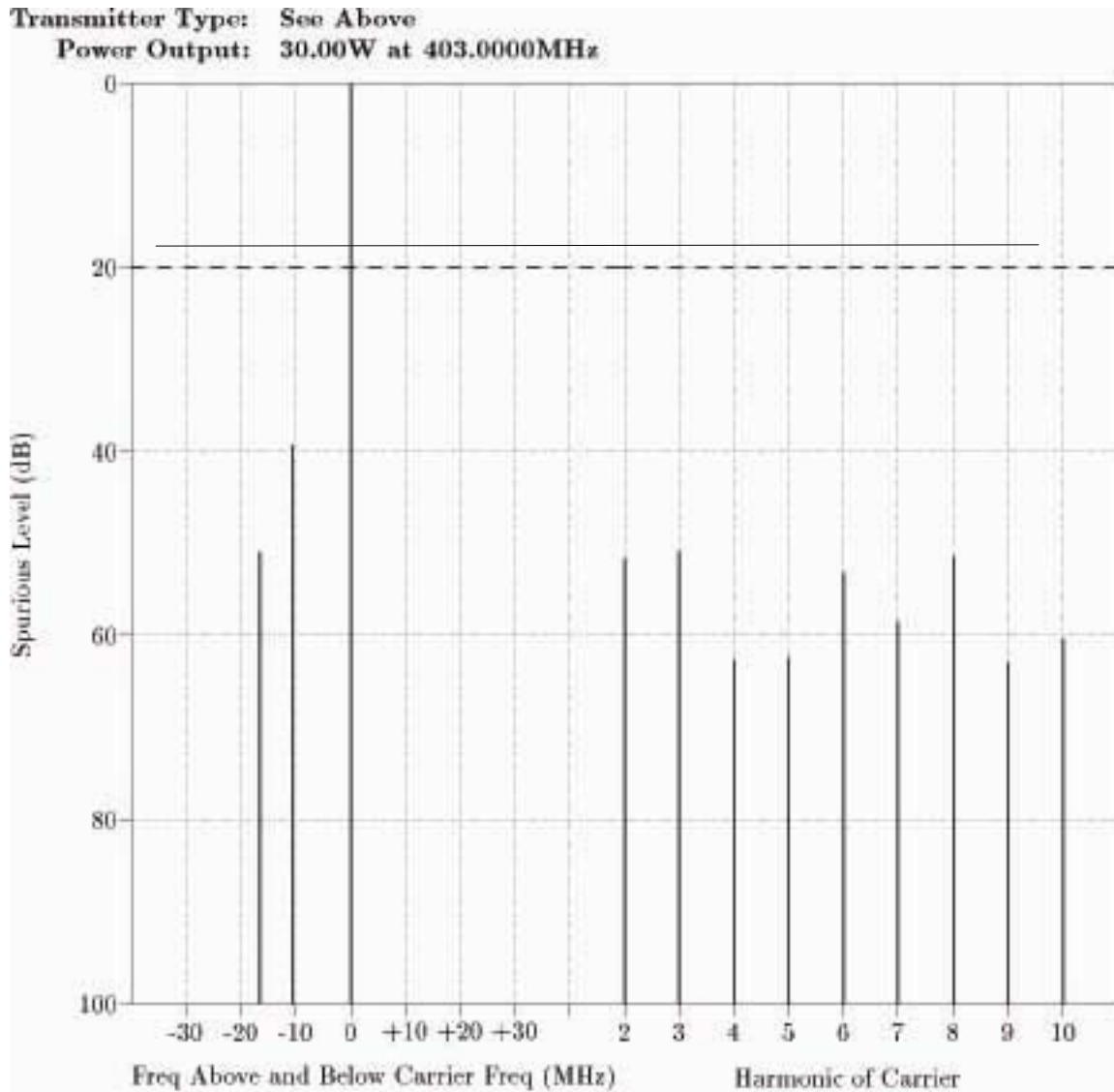
|                       |                  |
|-----------------------|------------------|
| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| 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



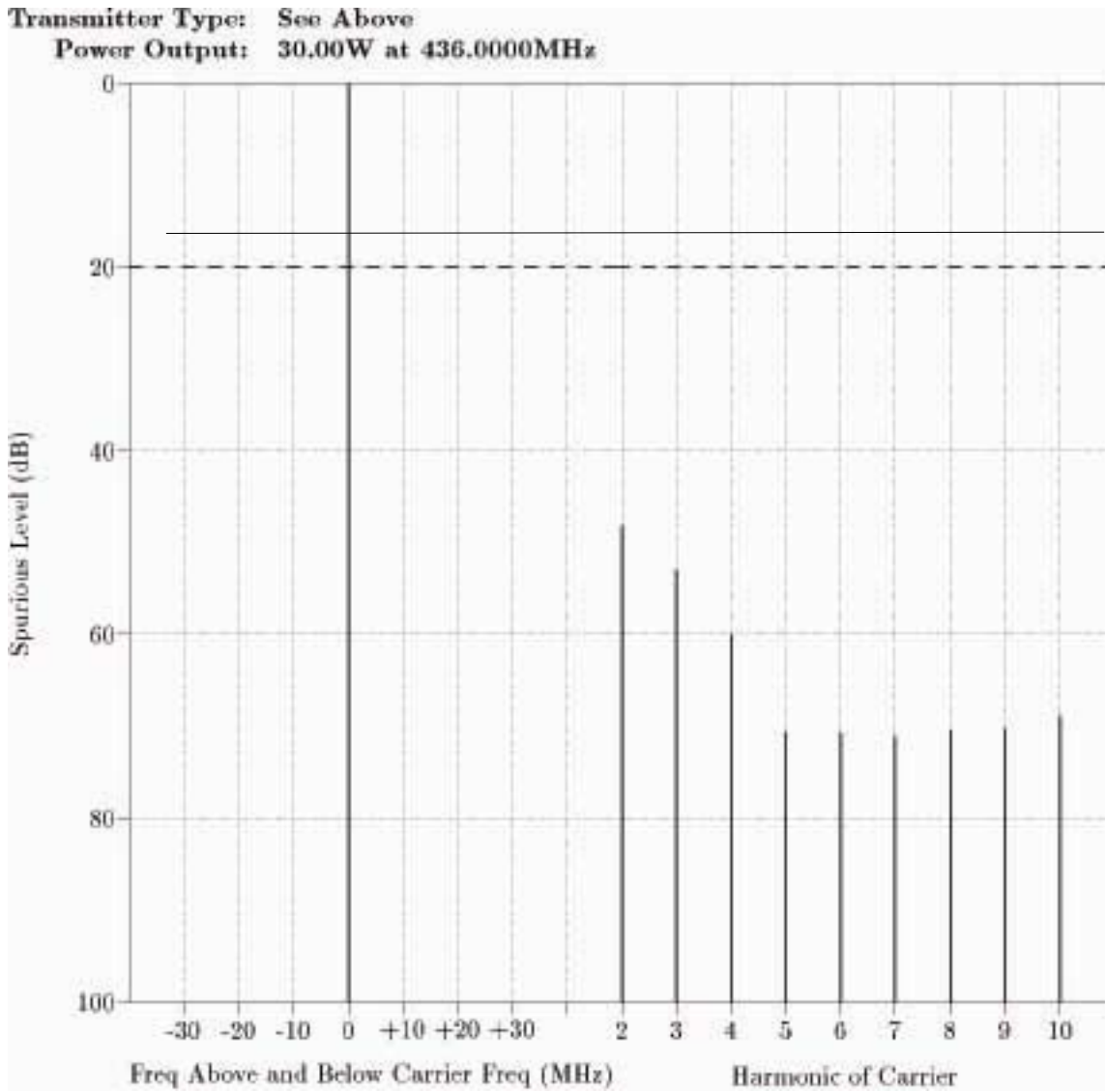
|                       |                  |
|-----------------------|------------------|
| CENTER FREQUENCY:     | 436.500 MHz      |
| RESOLUTION BANDWIDTH: | 100 Hz           |
| VIDEO BANDWIDTH:      | 1 kHz            |
| SPAN:                 | 100 kHz          |
| HORIZONTAL SCALE:     | 10 kHz/div       |
| SWEEP TIME:           | 50 Sec.          |
| VERTICAL SCALE:       | 10 dB/div        |
| REFERENCE LEVEL:      | 0 dB = 4.6 Watts |
| ATTENUATION:          | 30 dB            |

CONDUCTED SPURIOUS EMISSIONS  
HIGH POWER, 403.000 MHz



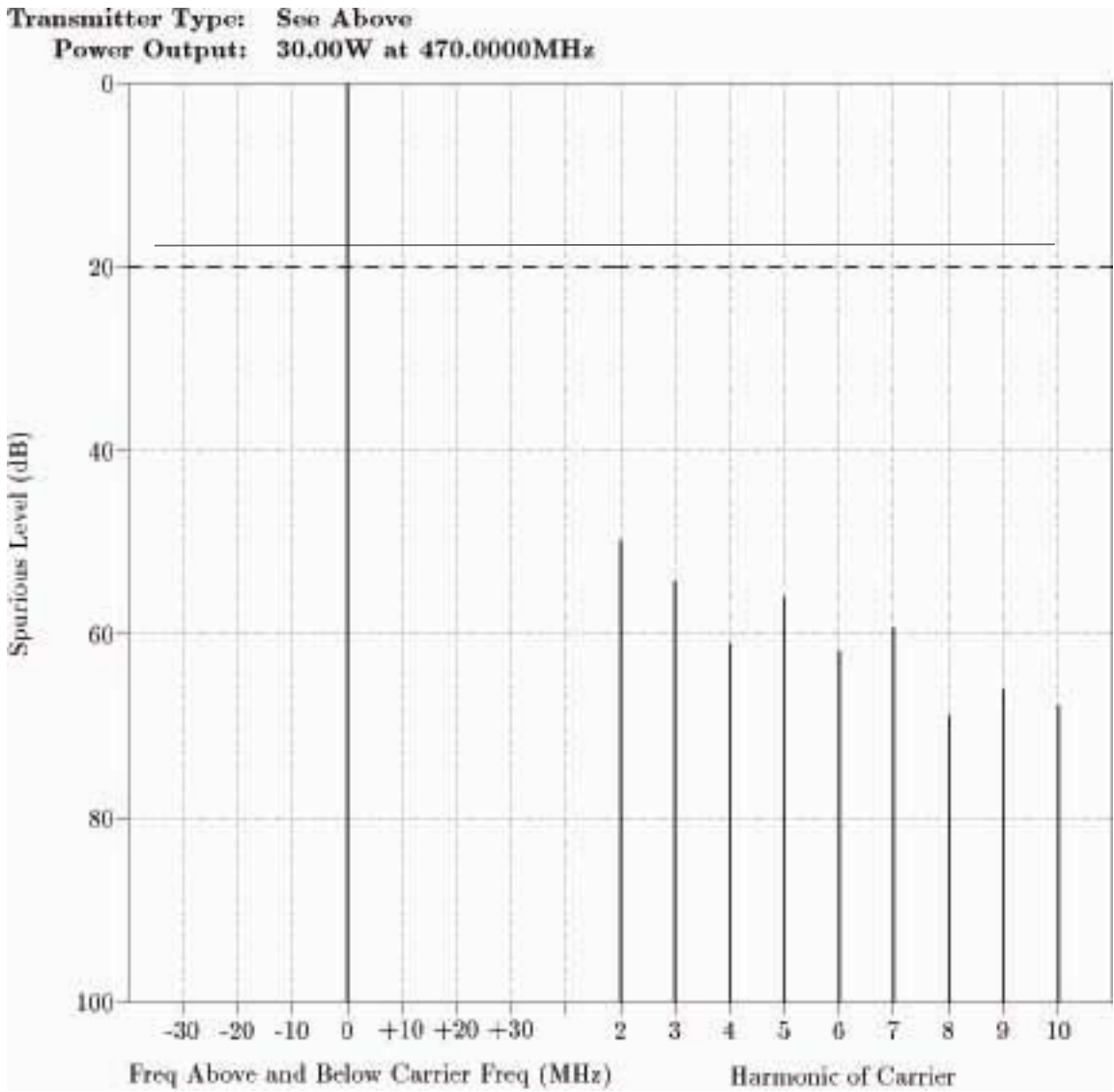
The conducted spurious level is plotted in dBm on the vertical axis.  
The specification for conducted spurious emissions is -16 dBm.  
All non-harmonic emissions are at or below the noise floor.

**CONDUCTED SPURIOUS EMISSIONS**  
**HIGH POWER, 436.000 MHz**



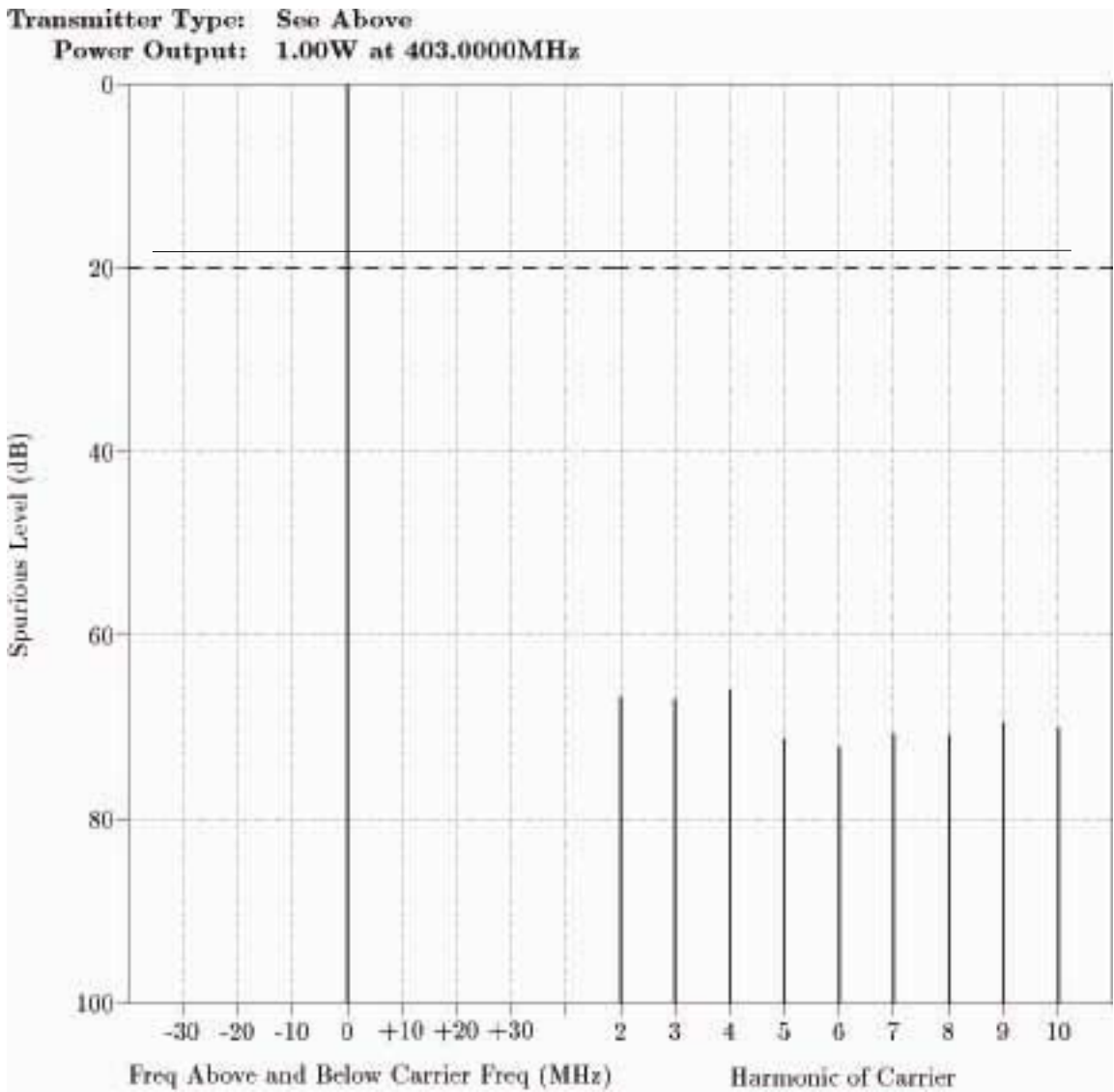
The conducted spurious level is plotted in dBm on the vertical axis.  
The specification for conducted spurious emissions is -16 dBm.  
All non-harmonic emissions are at or below the noise floor.

CONDUCTED SPURIOUS EMISSIONS  
HIGH POWER, 470.000 MHz



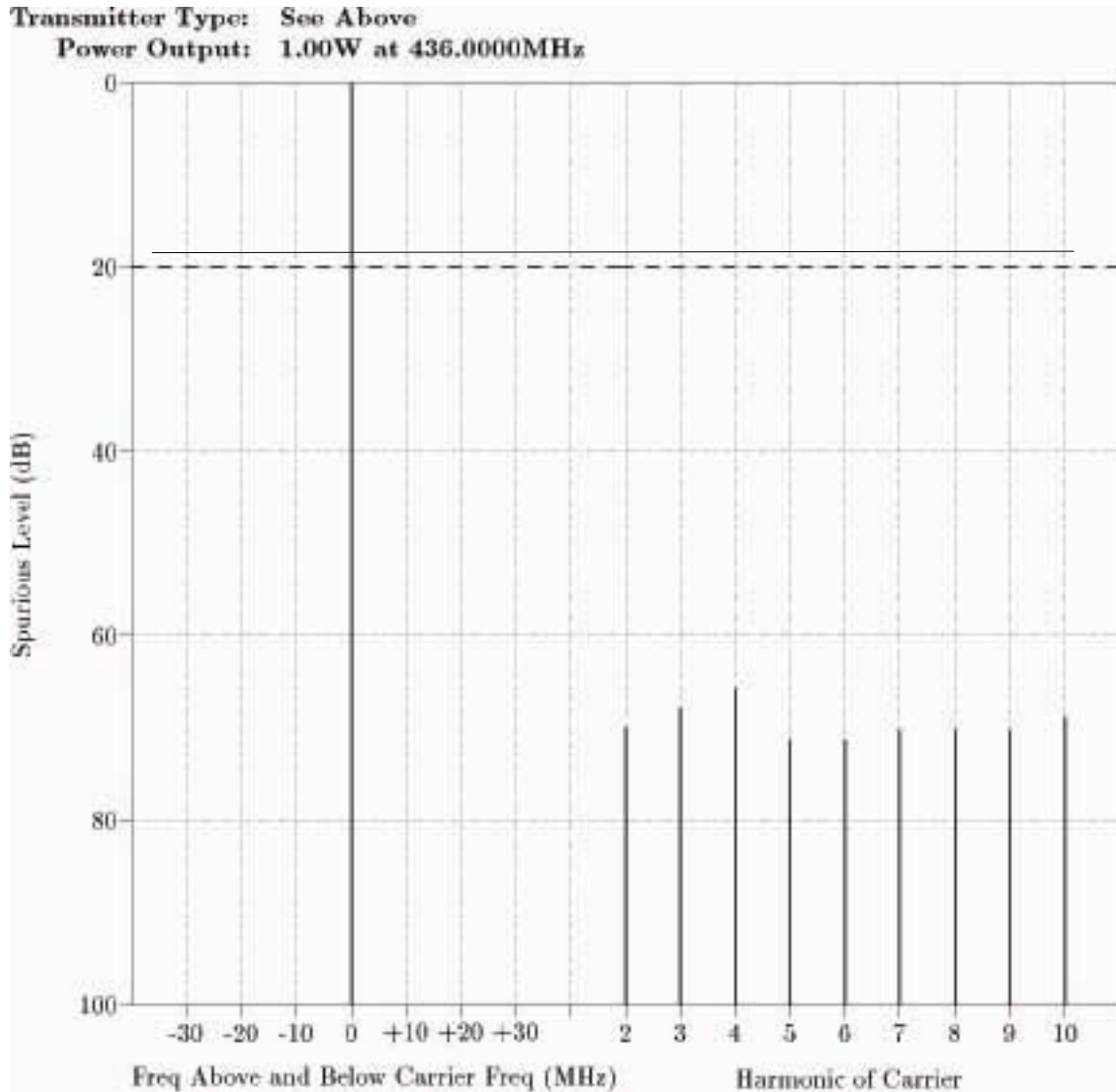
The conducted spurious level is plotted in dBm on the vertical axis.  
The specification for conducted spurious emissions is -16 dBm.  
All non-harmonic emissions are at or below the noise floor.

CONDUCTED SPURIOUS EMISSIONS  
LOW POWER, 403.000 MHz



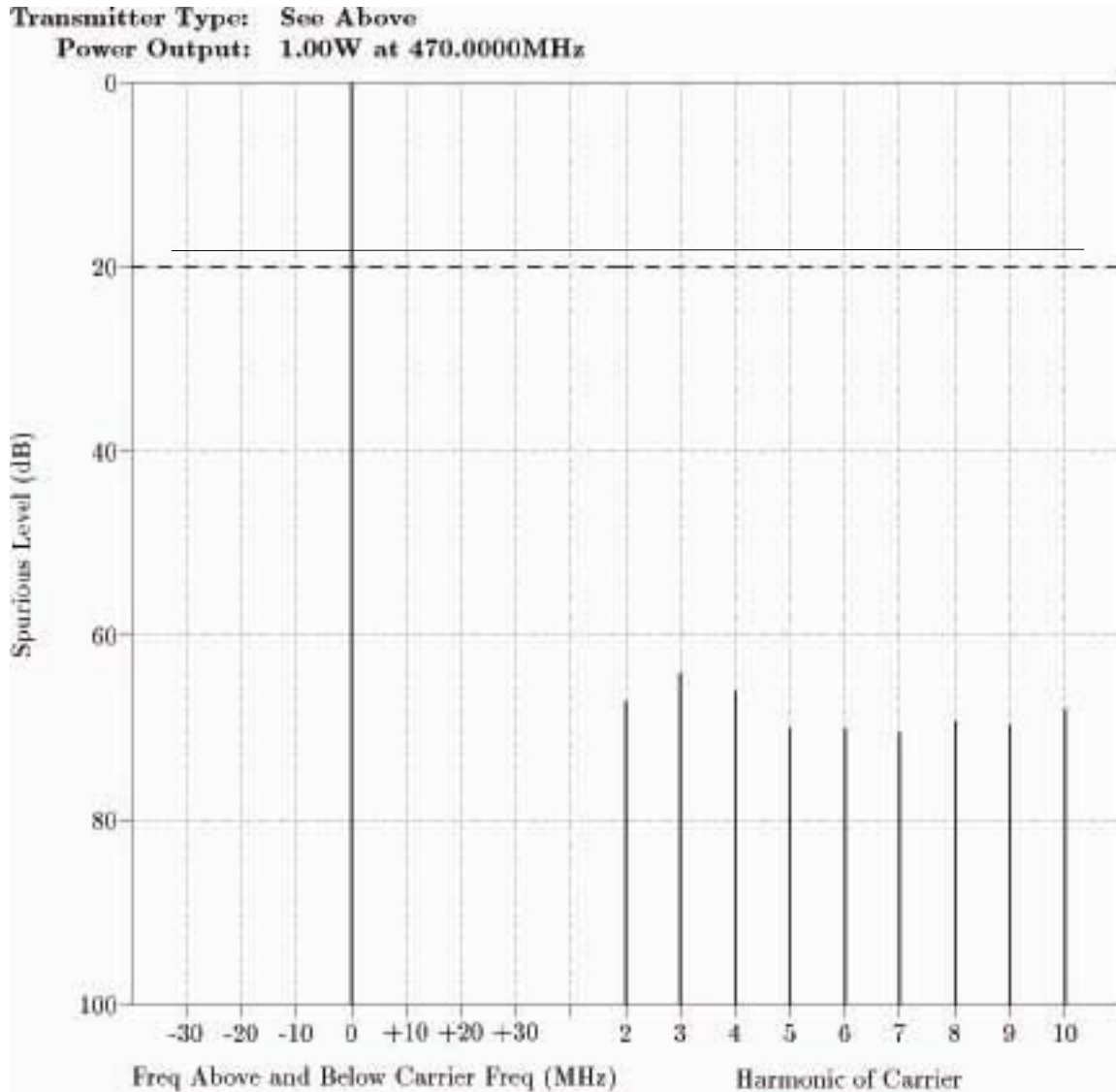
The conducted spurious level is plotted in dBm on the vertical axis.  
The specification for conducted spurious emissions is -16 dBm.  
All non-harmonic emissions are at or below the noise floor.

CONDUCTED SPURIOUS EMISSIONS  
LOW POWER, 436.500 MHz



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, 470.000 MHz



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

Motorola Inc.

FCC ID:ABZ99FT4081

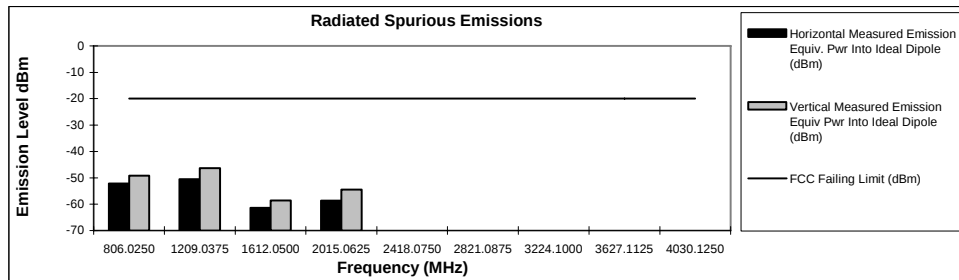
Transmit Radiated Spurious Emissions: XPR 4300

Tx Power: 30 Watts

403.0125 MHz

Channel Spacing 12.5kHz | S/N MB5EM098

| Frequency (MHz) | FCC Failing Limit (dBm) | Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm) | Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm) |
|-----------------|-------------------------|-----------------------------------------------------------------|--------------------------------------------------------------|
| 806.0250        | -20                     | -52.19                                                          | -49.17                                                       |
| 1209.0375       | -20                     | -50.49                                                          | -46.32                                                       |
| 1612.0500       | -20                     | -61.35                                                          | -58.58                                                       |
| 2015.0625       | -20                     | -58.69                                                          | -54.49                                                       |
| 2418.0750       | -20                     | *                                                               | *                                                            |
| 2821.0875       | -20                     | *                                                               | *                                                            |
| 3224.1000       | -20                     | *                                                               | *                                                            |
| 3627.1125       | -20                     | *                                                               | *                                                            |
| 4030.1250       | -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

July 8, 2006

FCC Registration: 91932 / Industry Canada: IC3679

EXHIBIT 6G-1

Motorola Inc.

FCC ID:ABZ99FT4081

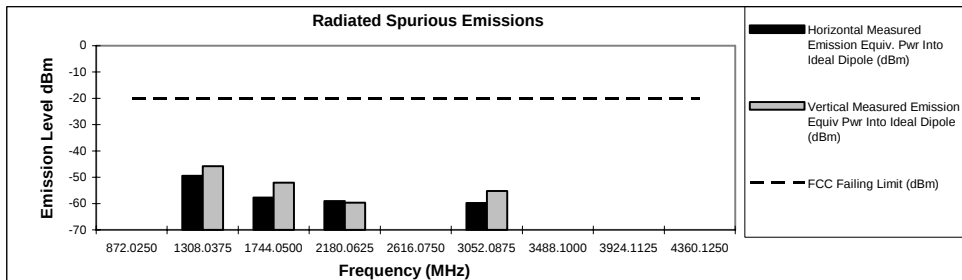
Transmit Radiated Spurious Emissions: XPR 4300

Tx Power: 30 Watts

436.0125 MHz

Channel Spacing 12.5kHz | S/N MB5EM098

| Frequency (MHz) | FCC Failing Limit (dBm) | Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm) | Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm) |
|-----------------|-------------------------|-----------------------------------------------------------------|--------------------------------------------------------------|
| 872.0250        | -20                     | *                                                               | *                                                            |
| 1308.0375       | -20                     | -49.46                                                          | -45.84                                                       |
| 1744.0500       | -20                     | -57.73                                                          | -52.07                                                       |
| 2180.0625       | -20                     | -59.02                                                          | -59.68                                                       |
| 2616.0750       | -20                     | *                                                               | *                                                            |
| 3052.0875       | -20                     | -59.72                                                          | -55.21                                                       |
| 3488.1000       | -20                     | *                                                               | *                                                            |
| 3924.1125       | -20                     | *                                                               | *                                                            |
| 4360.1250       | -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

July 8, 2006

FCC Registration: 91932 / Industry Canada: IC3679

EXHIBIT 6G-2

Motorola Inc.

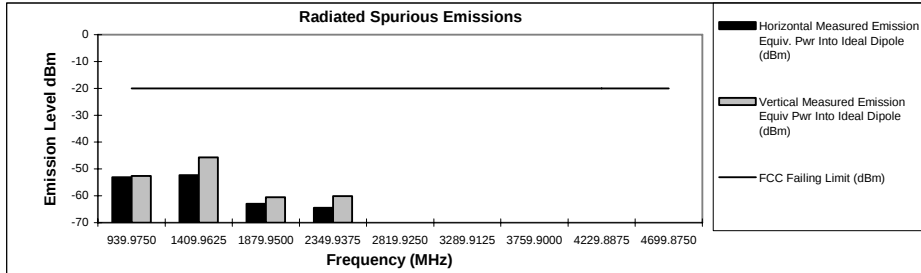
FCC ID:ABZ99FT4081

Transmit Radiated Spurious Emissions: XPR 4300  
Tx Power: 30 Watts

469.9875 MHz

Channel Spacing 12.5kHz | S/N MB5EM098

| Frequency (MHz) | FCC Failing Limit (dBm) | Horizontal Measured Emission<br>Equiv. Pwr Into Ideal Dipole (dBm) | Vertical Measured Emission Equiv<br>Pwr Into Ideal Dipole (dBm) |
|-----------------|-------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------|
| 939.9750        | -20                     | -53.09                                                             | -52.62                                                          |
| 1409.9625       | -20                     | -52.27                                                             | -45.71                                                          |
| 1879.9500       | -20                     | -63.01                                                             | -60.57                                                          |
| 2349.9375       | -20                     | -64.48                                                             | -60.04                                                          |
| 2819.9250       | -20                     | *                                                                  | *                                                               |
| 3289.9125       | -20                     | *                                                                  | *                                                               |
| 3759.9000       | -20                     | *                                                                  | *                                                               |
| 4229.8875       | -20                     | *                                                                  | *                                                               |
| 4699.8750       | -20                     | *                                                                  | *                                                               |



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

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

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

July 8, 2006

EXHIBIT 6G-3

Motorola Inc.

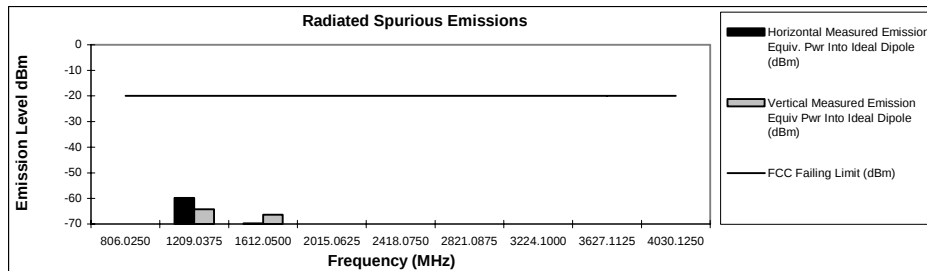
FCC ID:ABZ99FT4081

Transmit Radiated Spurious Emissions: XPR 4300  
Tx Power: 1 Watts

403.0125 MHz

Channel Spacing 12.5kHz | S/N MB5EM098

| Frequency (MHz) | FCC Failing Limit (dBm) | Horizontal Measured Emission<br>Equiv. Pwr Into Ideal Dipole (dBm) | Vertical Measured Emission Equiv<br>Pwr Into Ideal Dipole (dBm) |
|-----------------|-------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------|
| 806.0250        | -20                     | -70.07                                                             | *                                                               |
| 1209.0375       | -20                     | -59.77                                                             | -64.26                                                          |
| 1612.0500       | -20                     | -69.69                                                             | -66.42                                                          |
| 2015.0625       | -20                     | *                                                                  | *                                                               |
| 2418.0750       | -20                     | *                                                                  | *                                                               |
| 2821.0875       | -20                     | *                                                                  | *                                                               |
| 3224.1000       | -20                     | *                                                                  | *                                                               |
| 3627.1125       | -20                     | *                                                                  | *                                                               |
| 4030.1250       | -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: IC3679

July 8, 2006

EXHIBIT 6G-4

Motorola Inc.

FCC ID:ABZ99FT4081

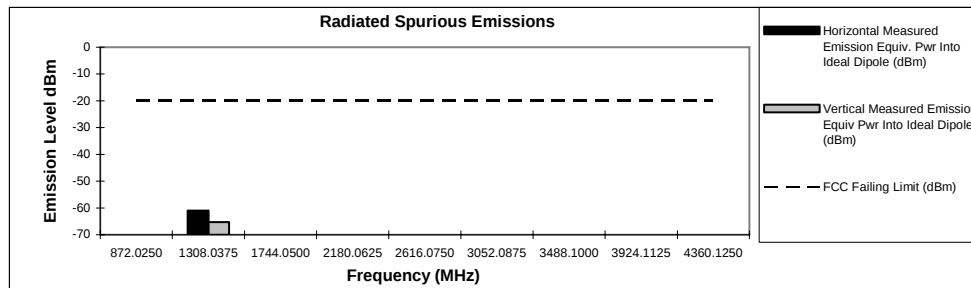
Transmit Radiated Spurious Emissions: XPR 4300

Tx Power: 1 Watts

436.0125 MHz

Channel Spacing 12.5kHz | S/N MB5EM098

| Frequency (MHz) | FCC Failing Limit (dBm) | Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm) | Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm) |
|-----------------|-------------------------|-----------------------------------------------------------------|--------------------------------------------------------------|
| 872.0250        | -20                     | *                                                               | *                                                            |
| 1308.0375       | -20                     | -60.99                                                          | -65.28                                                       |
| 1744.0500       | -20                     | *                                                               | *                                                            |
| 2180.0625       | -20                     | *                                                               | *                                                            |
| 2616.0750       | -20                     | *                                                               | *                                                            |
| 3052.0875       | -20                     | *                                                               | *                                                            |
| 3488.1000       | -20                     | *                                                               | *                                                            |
| 3924.1125       | -20                     | *                                                               | *                                                            |
| 4360.1250       | -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

July 8, 2006

FCC Registration: 91932 / Industry Canada: IC3679

EXHIBIT 6G-5

Motorola Inc.

FCC ID:ABZ99FT4081

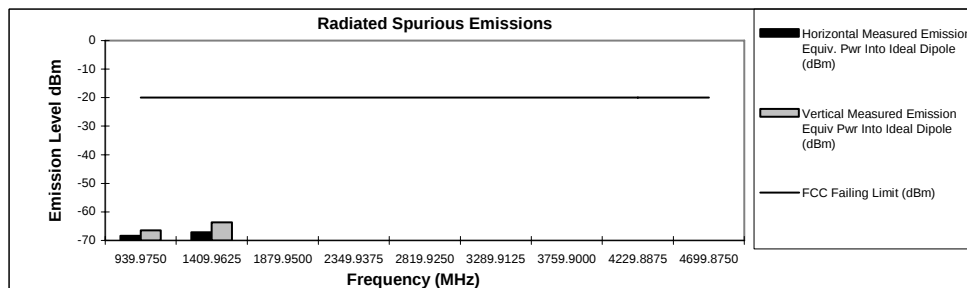
Transmit Radiated Spurious Emissions: XPR 4300

Tx Power: 1 Watts

469.9875 MHz

Channel Spacing 12.5kHz | S/N MB5EM098

| Frequency (MHz) | FCC Failing Limit (dBm) | Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm) | Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm) |
|-----------------|-------------------------|-----------------------------------------------------------------|--------------------------------------------------------------|
| 939.9750        | -20                     | -68.32                                                          | -66.41                                                       |
| 1409.9625       | -20                     | -67.09                                                          | -63.66                                                       |
| 1879.9500       | -20                     | *                                                               | *                                                            |
| 2349.9375       | -20                     | *                                                               | *                                                            |
| 2819.9250       | -20                     | *                                                               | *                                                            |
| 3289.9125       | -20                     | *                                                               | *                                                            |
| 3759.9000       | -20                     | *                                                               | *                                                            |
| 4229.8875       | -20                     | *                                                               | *                                                            |
| 4699.8750       | -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

July 8, 2006

FCC Registration: 91932 / Industry Canada: IC3679

EXHIBIT 6G-6

Motorola Inc.

FCC ID:ABZ99FT4081

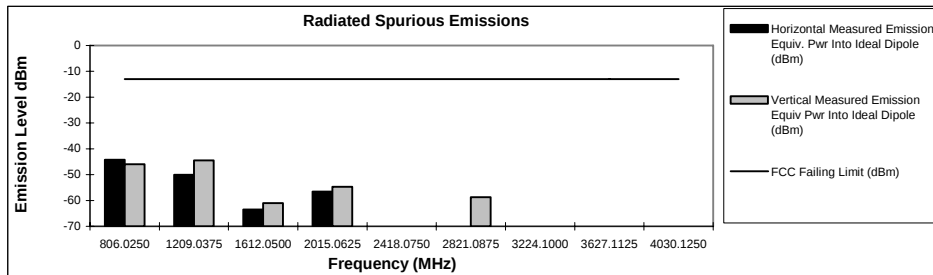
Transmit Radiated Spurious Emissions: XPR 4300

Tx Power: 30 Watts

403.0125 MHz

Channel Spacing 25kHz | S/N MB5EM098

| Frequency (MHz) | FCC Failing Limit (dBm) | Horizontal Measured Emission<br>Equiv. Pwr Into Ideal Dipole (dBm) | Vertical Measured Emission Equiv<br>Pwr Into Ideal Dipole (dBm) |
|-----------------|-------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------|
| 806.0250        | -13                     | -44.20                                                             | -45.96                                                          |
| 1209.0375       | -13                     | -50.07                                                             | -44.54                                                          |
| 1612.0500       | -13                     | -63.45                                                             | -61.08                                                          |
| 2015.0625       | -13                     | -56.58                                                             | -54.73                                                          |
| 2418.0750       | -13                     | *                                                                  | *                                                               |
| 2821.0875       | -13                     | *                                                                  | -58.73                                                          |
| 3224.1000       | -13                     | *                                                                  | *                                                               |
| 3627.1125       | -13                     | *                                                                  | *                                                               |
| 4030.1250       | -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

July 5, 2006

FCC Registration: 91932 / Industry Canada: IC3679

EXHIBIT 6G-7

Motorola Inc.

FCC ID:ABZ99FT4081

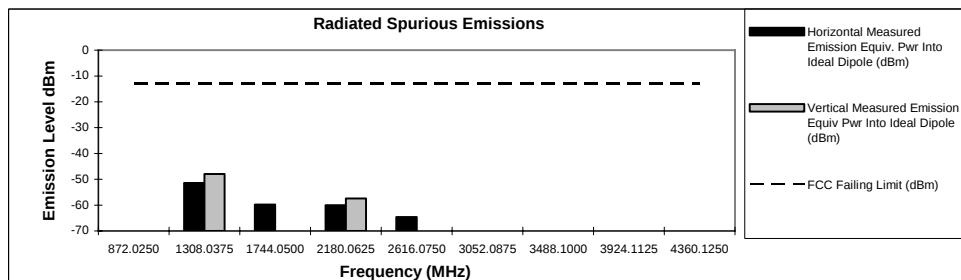
Transmit Radiated Spurious Emissions: XPR 4300

Tx Power: 30 Watts

436.0125 MHz

Channel Spacing 25kHz | S/N MB5EM098

| Frequency (MHz) | FCC Failing Limit (dBm) | Horizontal Measured Emission<br>Equiv. Pwr Into Ideal Dipole (dBm) | Vertical Measured Emission Equiv<br>Pwr Into Ideal Dipole (dBm) |
|-----------------|-------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------|
| 872.0250        | -13                     | *                                                                  | *                                                               |
| 1308.0375       | -13                     | -51.41                                                             | -47.93                                                          |
| 1744.0500       | -13                     | -59.77                                                             | *                                                               |
| 2180.0625       | -13                     | -60.03                                                             | -57.43                                                          |
| 2616.0750       | -13                     | -64.61                                                             | *                                                               |
| 3052.0875       | -13                     | *                                                                  | *                                                               |
| 3488.1000       | -13                     | *                                                                  | *                                                               |
| 3924.1125       | -13                     | *                                                                  | *                                                               |
| 4360.1250       | -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

July 5, 2006

FCC Registration: 91932 / Industry Canada: IC3679

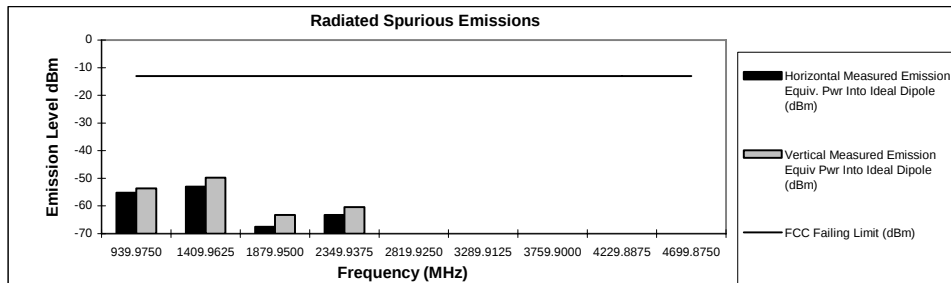
EXHIBIT 6G-8

Motorola Inc.

FCC ID:ABZ99FT4081

**Transmit Radiated Spurious Emissions: XPR 4300****Tx Power: 30 Watts****469.9875 MHz****Channel Spacing 25kHz | S/N MB5EM098**

| Frequency (MHz) | FCC Failing Limit (dBm) | Horizontal Measured Emission<br>Equiv. Pwr Into Ideal Dipole (dBm) | Vertical Measured Emission Equiv<br>Pwr Into Ideal Dipole (dBm) |
|-----------------|-------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------|
| 939.9750        | -13                     | -55.22                                                             | -53.65                                                          |
| 1409.9625       | -13                     | -52.97                                                             | -49.78                                                          |
| 1879.9500       | -13                     | -67.55                                                             | -63.19                                                          |
| 2349.9375       | -13                     | -63.24                                                             | -60.41                                                          |
| 2819.9250       | -13                     | *                                                                  | *                                                               |
| 3289.9125       | -13                     | *                                                                  | *                                                               |
| 3759.9000       | -13                     | *                                                                  | *                                                               |
| 4229.8875       | -13                     | *                                                                  | *                                                               |
| 4699.8750       | -13                     | *                                                                  | *                                                               |



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

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

Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan

July 5, 2006

FCC Registration: 91932 / Industry Canada: IC3679

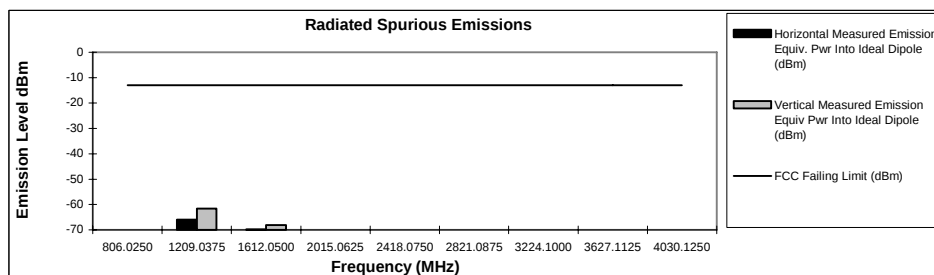
EXHIBIT 6G-9

Motorola Inc.

FCC ID:ABZ99FT4081

**Transmit Radiated Spurious Emissions: XPR 4300****Tx Power: 1 Watts****403.0125 MHz****Channel Spacing 25kHz | S/N MB5EM098**

| Frequency (MHz) | FCC Failing Limit (dBm) | Horizontal Measured Emission<br>Equiv. Pwr Into Ideal Dipole (dBm) | Vertical Measured Emission Equiv<br>Pwr Into Ideal Dipole (dBm) |
|-----------------|-------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------|
| 806.0250        | -13                     | *                                                                  | *                                                               |
| 1209.0375       | -13                     | -65.89                                                             | -61.54                                                          |
| 1612.0500       | -13                     | -69.78                                                             | -68.08                                                          |
| 2015.0625       | -13                     | *                                                                  | *                                                               |
| 2418.0750       | -13                     | *                                                                  | *                                                               |
| 2821.0875       | -13                     | *                                                                  | *                                                               |
| 3224.1000       | -13                     | *                                                                  | *                                                               |
| 3627.1125       | -13                     | *                                                                  | *                                                               |
| 4030.1250       | -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

July 8, 2006

FCC Registration: 91932 / Industry Canada: IC3679

EXHIBIT 6G-10

Motorola Inc.

FCC ID:ABZ99FT4081

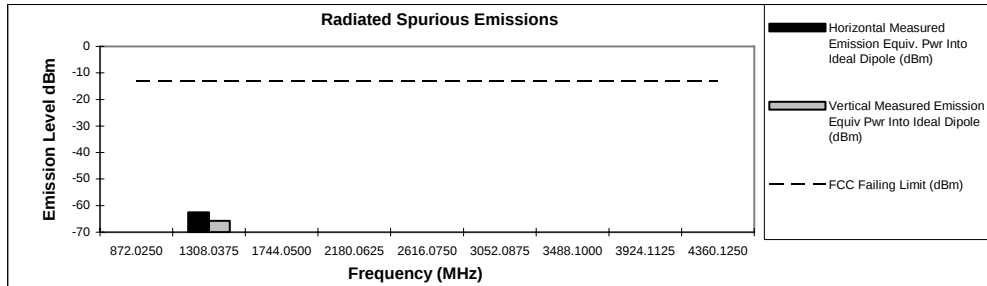
Transmit Radiated Spurious Emissions: XPR 4300

Tx Power: 1 Watts

436.0125 MHz

Channel Spacing 25kHz | S/N MB5EM098

| Frequency (MHz) | FCC Failing Limit (dBm) | Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm) | Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm) |
|-----------------|-------------------------|-----------------------------------------------------------------|--------------------------------------------------------------|
| 872.0250        | -13                     | *                                                               | *                                                            |
| 1308.0375       | -13                     | -62.58                                                          | -65.72                                                       |
| 1744.0500       | -13                     | *                                                               | *                                                            |
| 2180.0625       | -13                     | *                                                               | *                                                            |
| 2616.0750       | -13                     | *                                                               | *                                                            |
| 3052.0875       | -13                     | *                                                               | *                                                            |
| 3488.1000       | -13                     | *                                                               | *                                                            |
| 3924.1125       | -13                     | *                                                               | *                                                            |
| 4360.1250       | -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

July 8, 2006

FCC Registration: 91932 / Industry Canada: IC3679

EXHIBIT 6G-11

Motorola Inc.

FCC ID:ABZ99FT4081

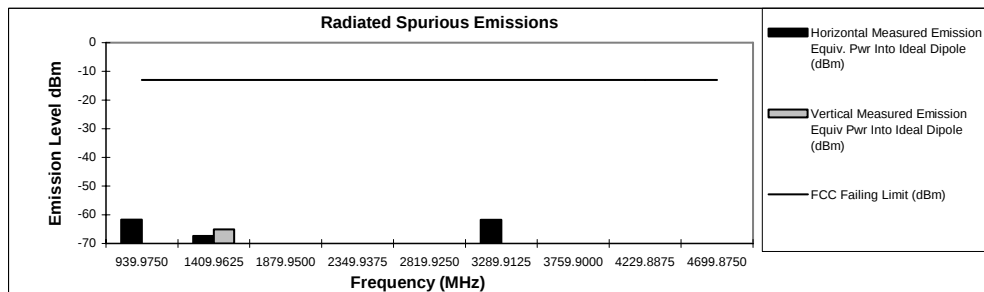
Transmit Radiated Spurious Emissions: XPR 4300

Tx Power: 1 Watts

469.9875 MHz

Channel Spacing 25kHz | S/N MB5EM098

| Frequency (MHz) | FCC Failing Limit (dBm) | Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm) | Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm) |
|-----------------|-------------------------|-----------------------------------------------------------------|--------------------------------------------------------------|
| 939.9750        | -13                     | -61.64                                                          | *                                                            |
| 1409.9625       | -13                     | -67.34                                                          | -65.05                                                       |
| 1879.9500       | -13                     | *                                                               | *                                                            |
| 2349.9375       | -13                     | *                                                               | *                                                            |
| 2819.9250       | -13                     | *                                                               | *                                                            |
| 3289.9125       | -13                     | -61.76                                                          | *                                                            |
| 3759.9000       | -13                     | *                                                               | *                                                            |
| 4229.8875       | -13                     | *                                                               | *                                                            |
| 4699.8750       | -13                     | *                                                               | *                                                            |



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

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

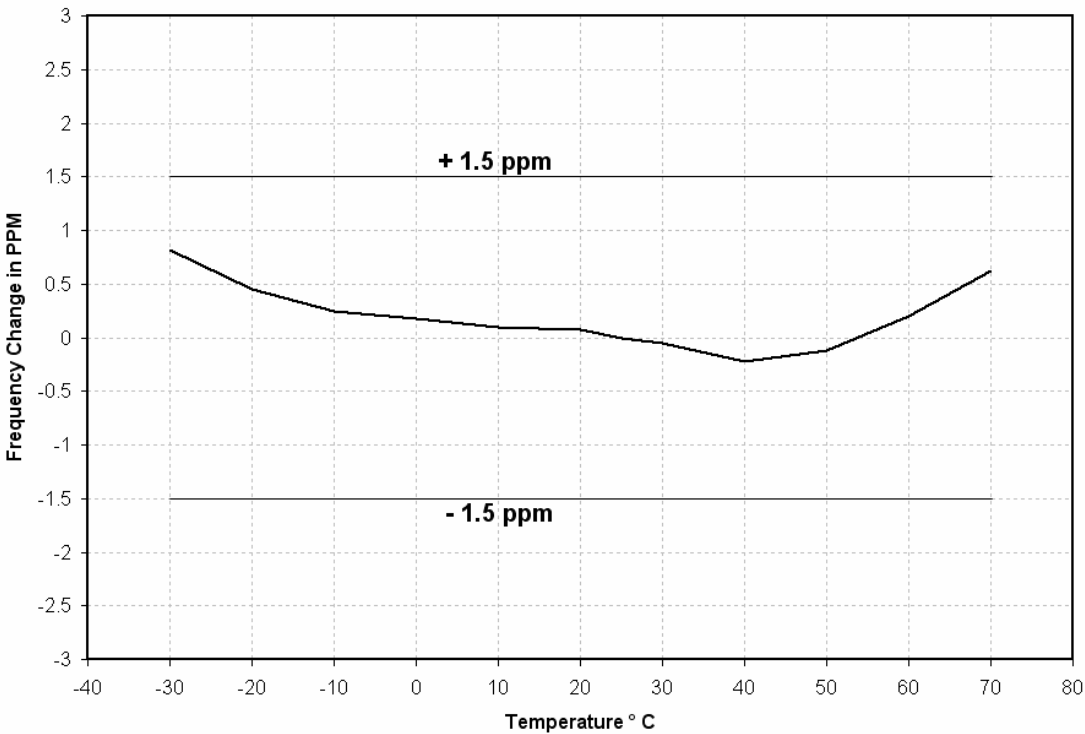
Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan

July 8, 2006

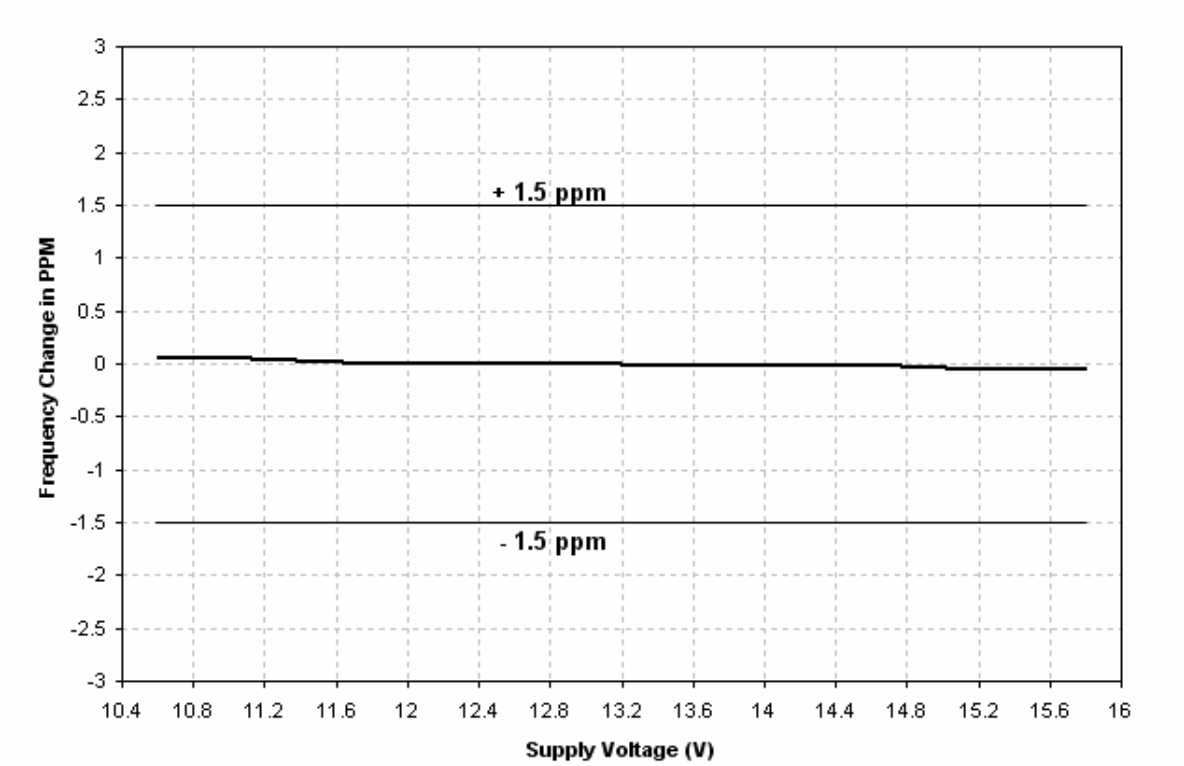
FCC Registration: 91932 / Industry Canada: IC3679

EXHIBIT 6G-12

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



FREQUENCY STABILITY VS. SUPPLY VOLTAGE



RADIO LOW-VOLTAGE RESET OCCURS AT 5.6 VOLTS DC.

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



EXHIBIT 6I-1

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

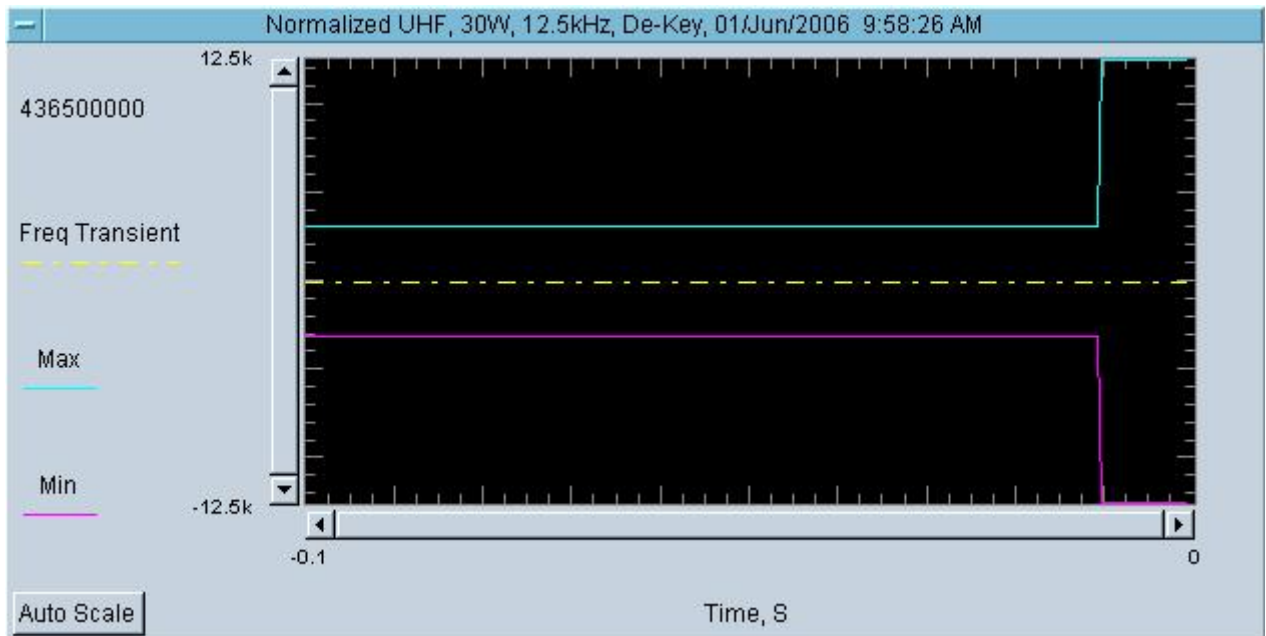


EXHIBIT 6I-2

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

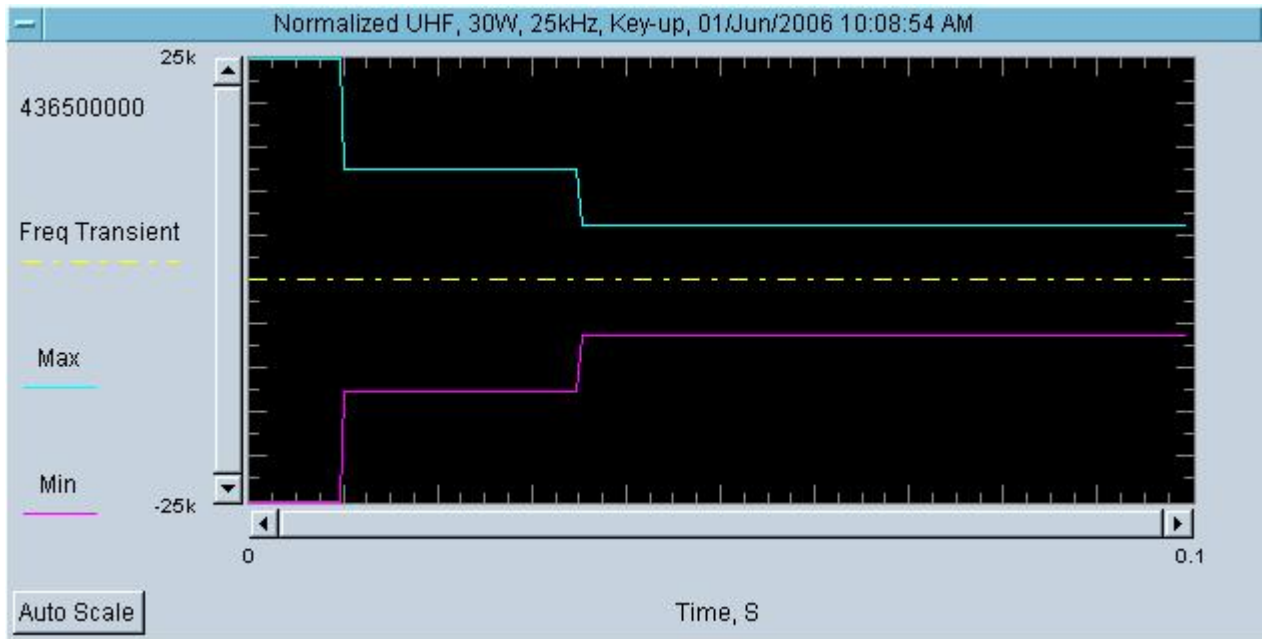


EXHIBIT 6I-3

**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**

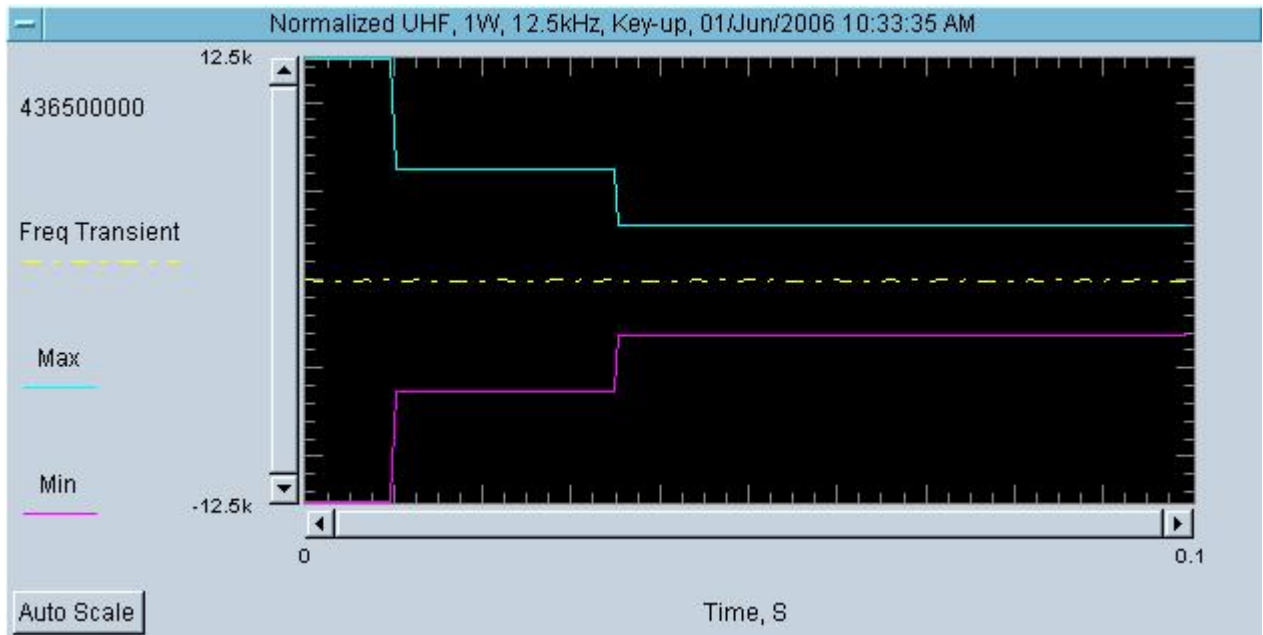


EXHIBIT 6I-5

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

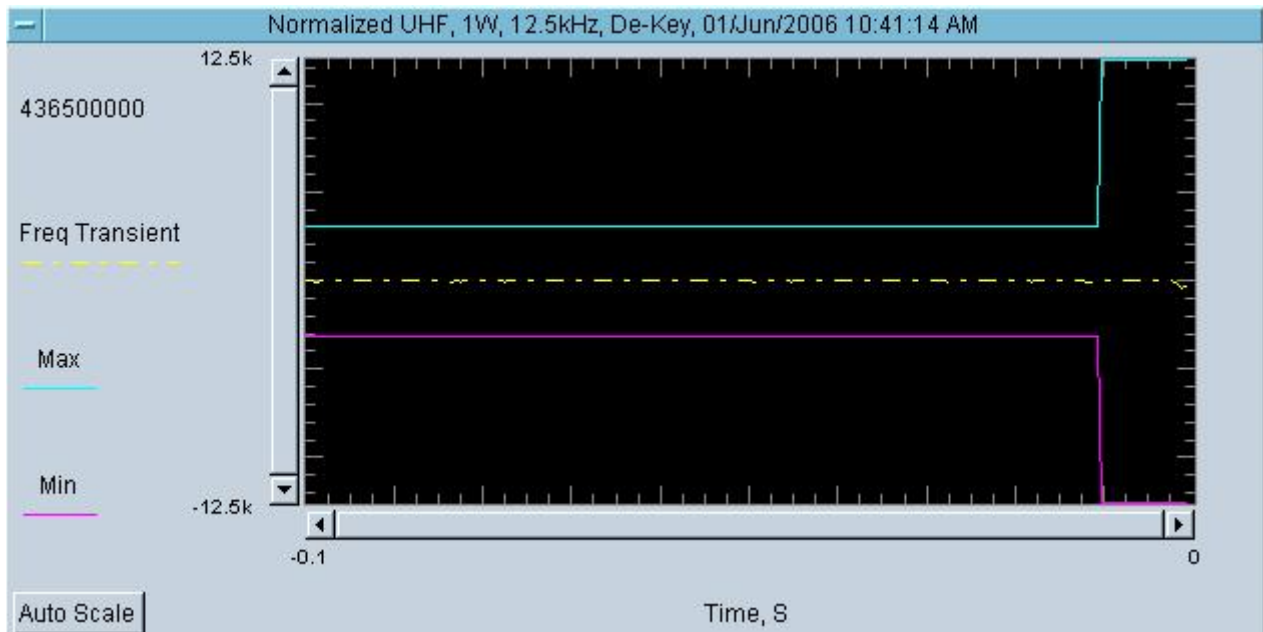


EXHIBIT 6I-6

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

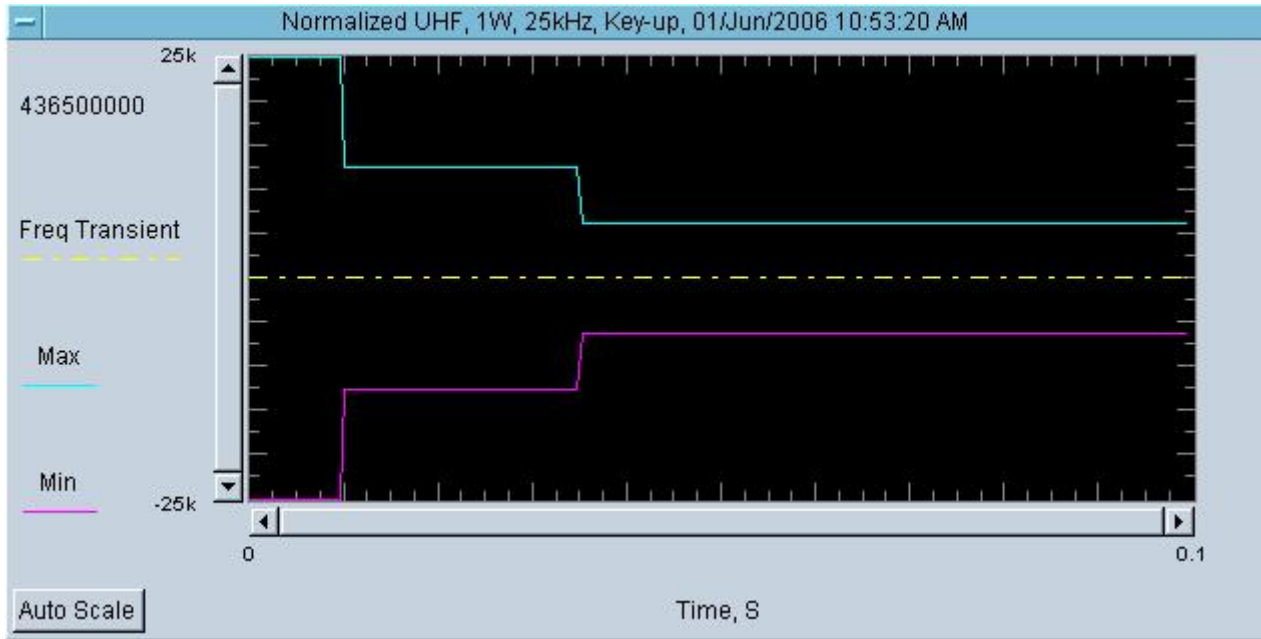


EXHIBIT 6I-7

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



EXHIBIT 6I-8