

SUBMITTED MEASURED DATA AND METHOD OF MEASUREMENT

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	B. Supply Voltage	6I	1
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RF Power Output - Measured Data

The supply voltage to the transmitter was set to 13.6 volts DC. The RF output power was measured with the indicated voltage and current applied into the final RF amplifying device.

RF POWER OUTPUT 30W, FREQUENCY 403.100 MHz.

Measured RF Output Power : 28.8 WATTS
Measured DC Voltage : 13.4 VOLTS
Measured DC Current : 4.07 AMP
Measured DC Input Power : 54.53 WATTS

RF POWER OUTPUT 30W, FREQUENCY 435.100 MHz.

Measured RF Output Power : 29.7 WATTS
Measured DC Voltage : 10.14 VOLTS
Measured DC Current : 4.01 AMP
Measured DC Input Power : 40.66 WATTS

RF POWER OUTPUT 30W, FREQUENCY 469.900 MHz.

Measured RF Output Power : 28.9 WATTS
Measured DC Voltage : 13.3 VOLTS
Measured DC Current : 4.32 AMP
Measured DC Input Power : 57.46 WATTS

RF POWER OUTPUT 1.2W, FREQUENCY 403.100 MHz.

Measured RF Output Power : 1.1 WATTS
Measured DC Voltage : 13.57 VOLTS
Measured DC Current : 0.82 AMP
Measured DC Input Power : 11.13 WATTS

RF POWER OUTPUT 1.2W, FREQUENCY 435.100 MHz.

Measured RF Output Power : 1.2 WATTS
Measured DC Voltage : 13.57 VOLTS
Measured DC Current : 0.84 AMP
Measured DC Input Power : 11.40 WATTS

RF POWER OUTPUT 1.2W, FREQUENCY 469.900 MHz.

Measured RF Output Power: 1.2 WATTS
Measured DC Voltage: 13.57 VOLTS
Measured DC Current: 0.88 AMP
Measured DC Input Power: 11.94 WATTS

MOTOROLA INC.

TRANSMITTER AUDIO RESPONSE CHARACTERISTIC
MODULATION LEVEL vs. AUDIO FREQUENCY

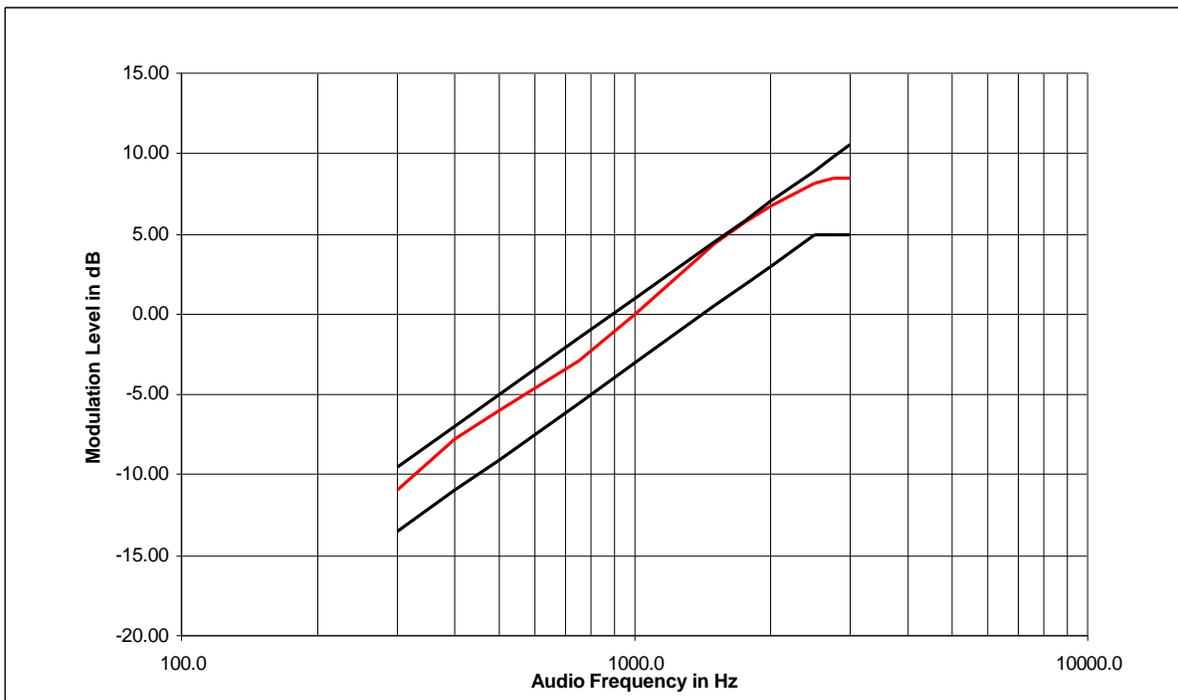
Xmtr Type : AZ492FT4835

Log Page : ---

Date :

Signature : TK Wan

Frequency: 435.100 MHz
Channel Spacing: 25 kHz



MOTOROLA INC.

TRANSMITTER AUDIO RESPONSE CHARACTERISTIC
MODULATION LEVEL vs. AUDIO FREQUENCY

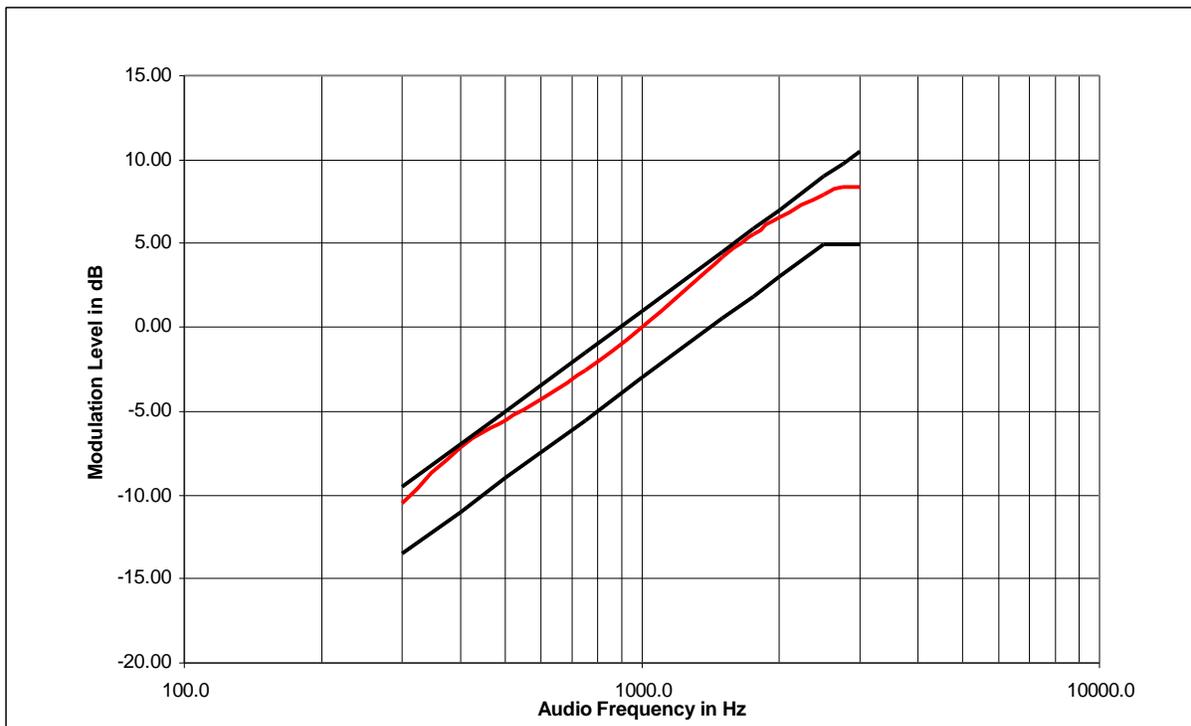
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Frequency: 435.100 MHz
Channel Spacing: 12.5 kHz



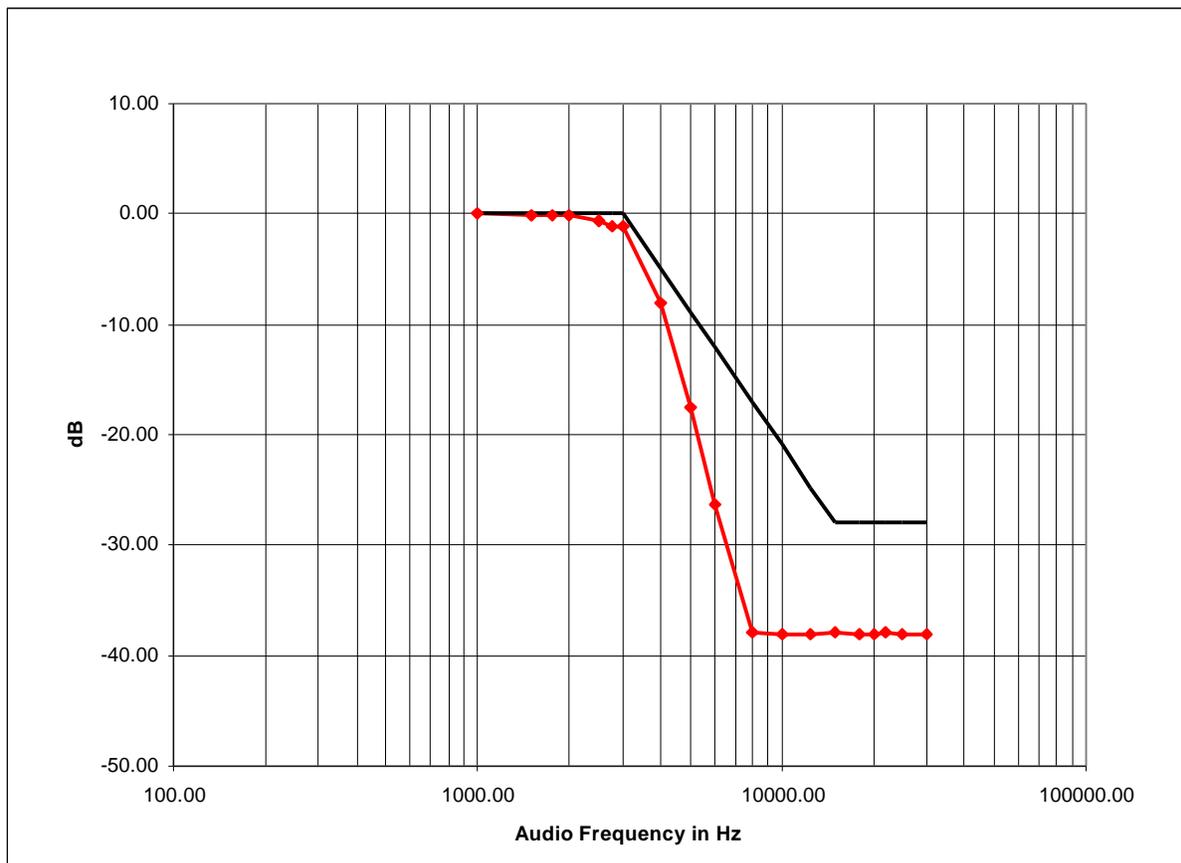
MOTOROLA INC.
TRANSMITTER
POST - LIMITER ROLL OFF RESPONSE
FILTER OUTPUT vs. AUDIO FREQUENCY

Xmtr Type : AZ492FT4835
Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Frequency : 435.100 MHz
Channel Spacing : 25 kHz



MOTOROLA INC.

**TRANSMITTER
POST - LIMITER ROLL OFF RESPONSE**

FILTER OUTPUT vs. AUDIO FREQUENCY

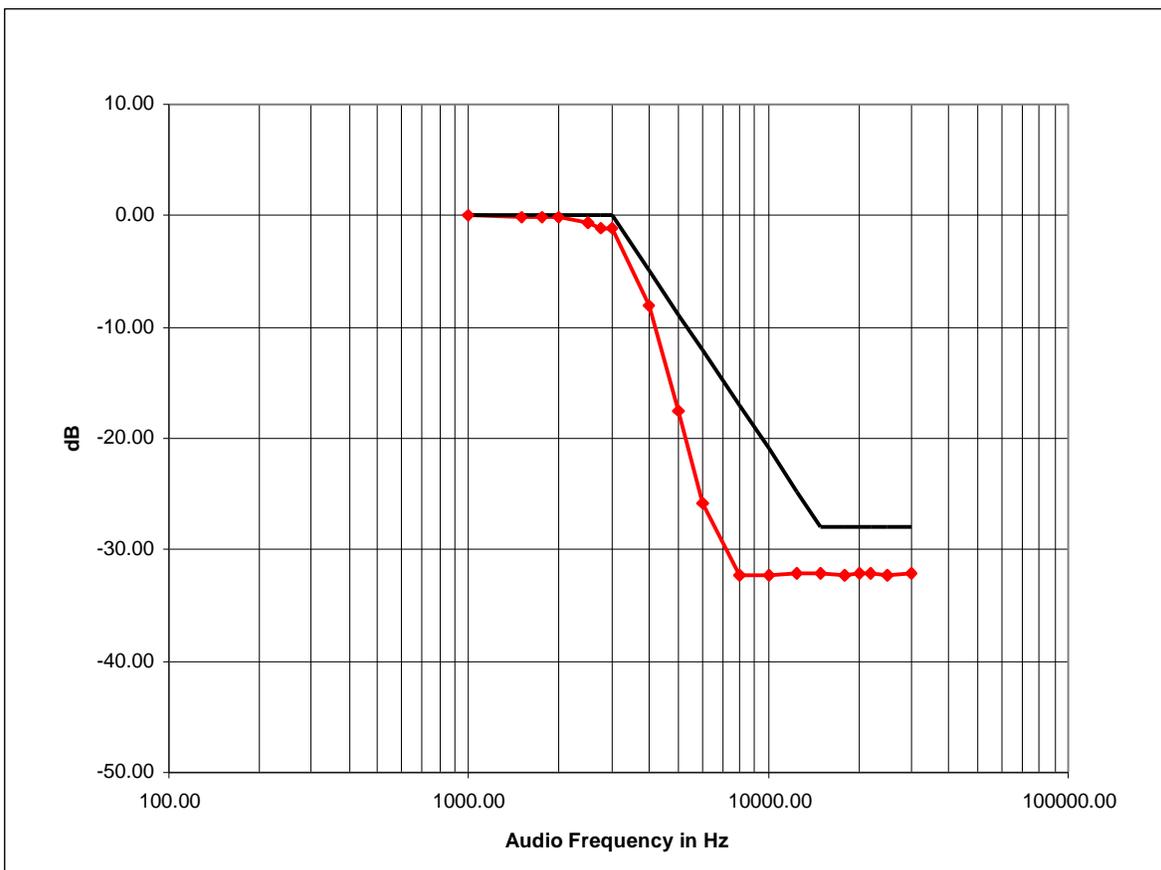
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Frequency : 435.100Mhz
Channel Spacing : 12.5KHz



MOTOROLA INC.

CARRIER SQUELCH
AUDIO INPUT LEVEL vs. DEVIATION

Xmtr Type : AZ492FT4835

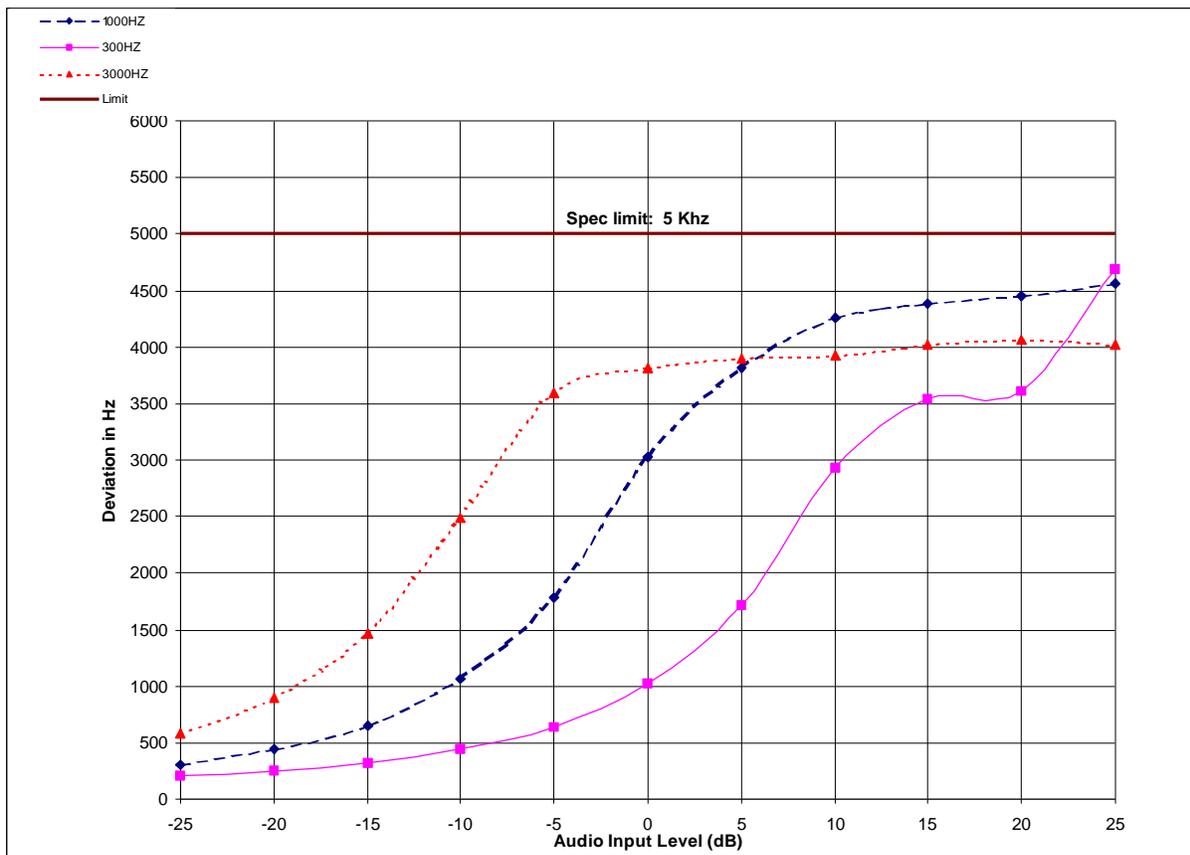
Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Frequency : 435.100 MHz

Channel Spacing : 25 kHz



MOTOROLA INC.

TONE WITH "PL"
AUDIO INPUT LEVEL vs. DEVIATION

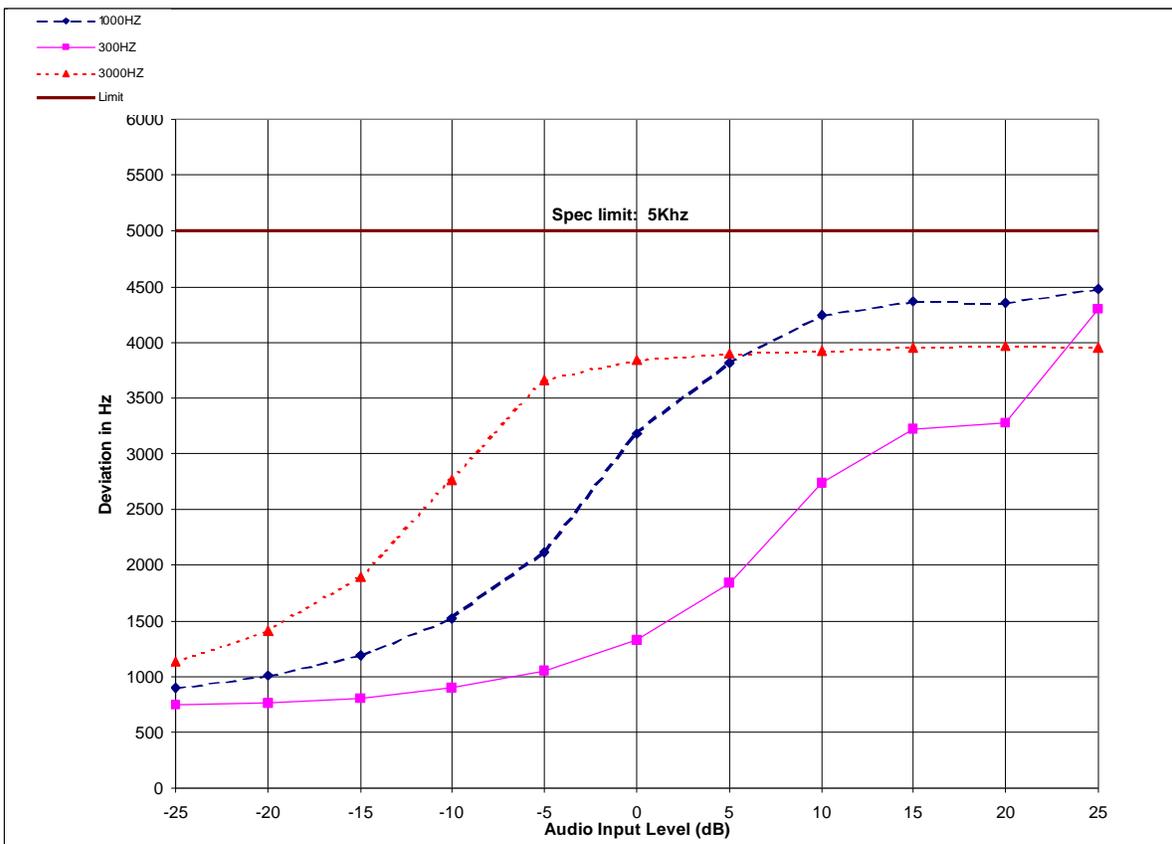
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Frequency : 435.100Mhz
Channel Spacing : 25KH



MOTOROLA INC.

TONE WITH "DPL"
AUDIO INPUT LEVEL vs. DEVIATION

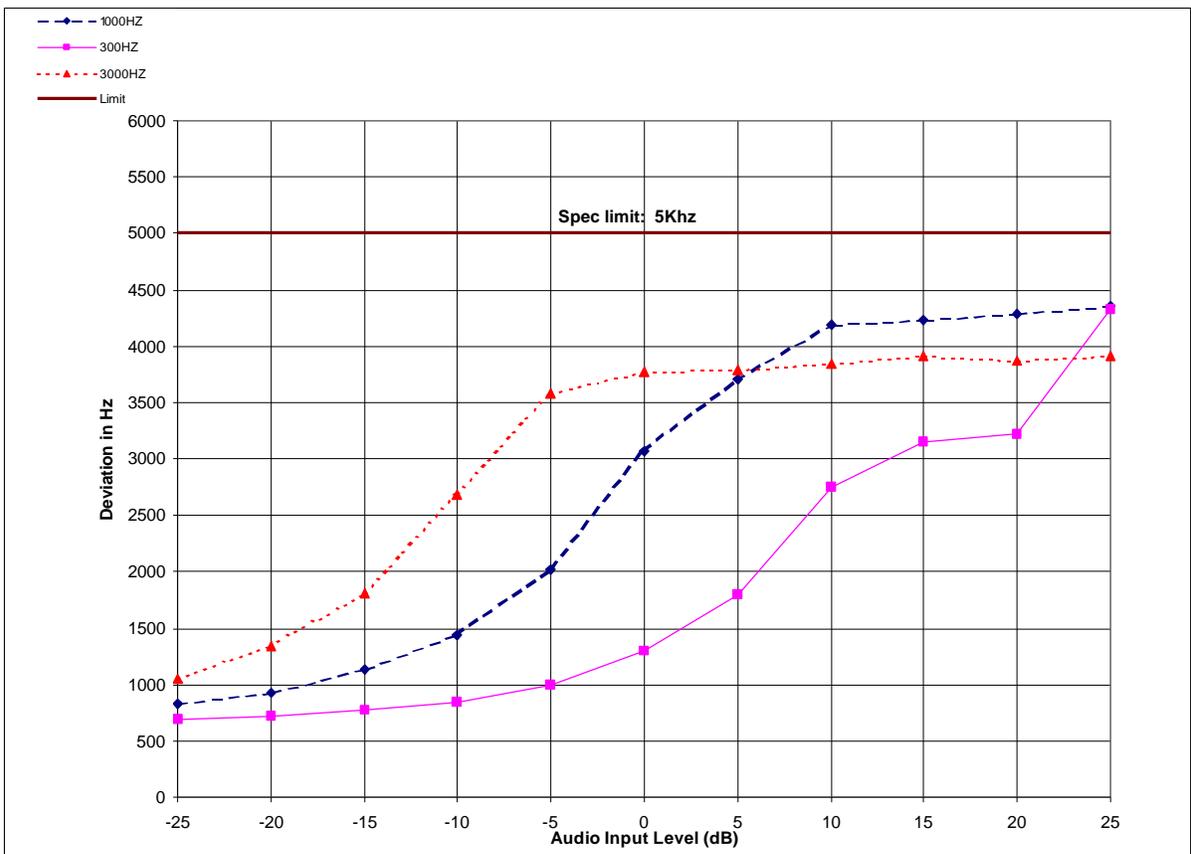
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Frequency : 435.100Mhz
Channel Spacing : 25KHz



MOTOROLA INC.

CARRIER SQUELCH
AUDIO INPUT LEVEL vs. DEVIATION

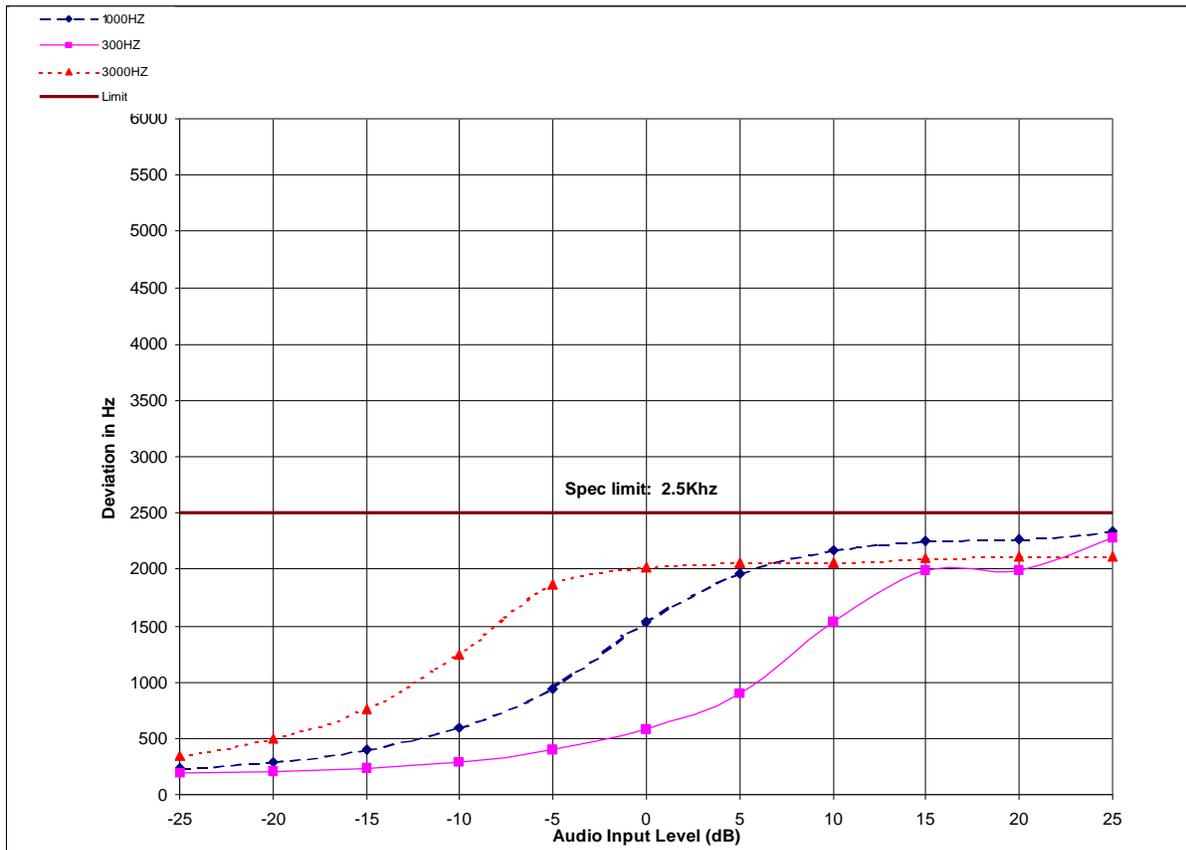
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Frequency : 435.100Mhz
Channel Spacing : 12.5KHz



MOTOROLA INC.

TONE WITH "PL"
AUDIO INPUT LEVEL vs. DEVIATION

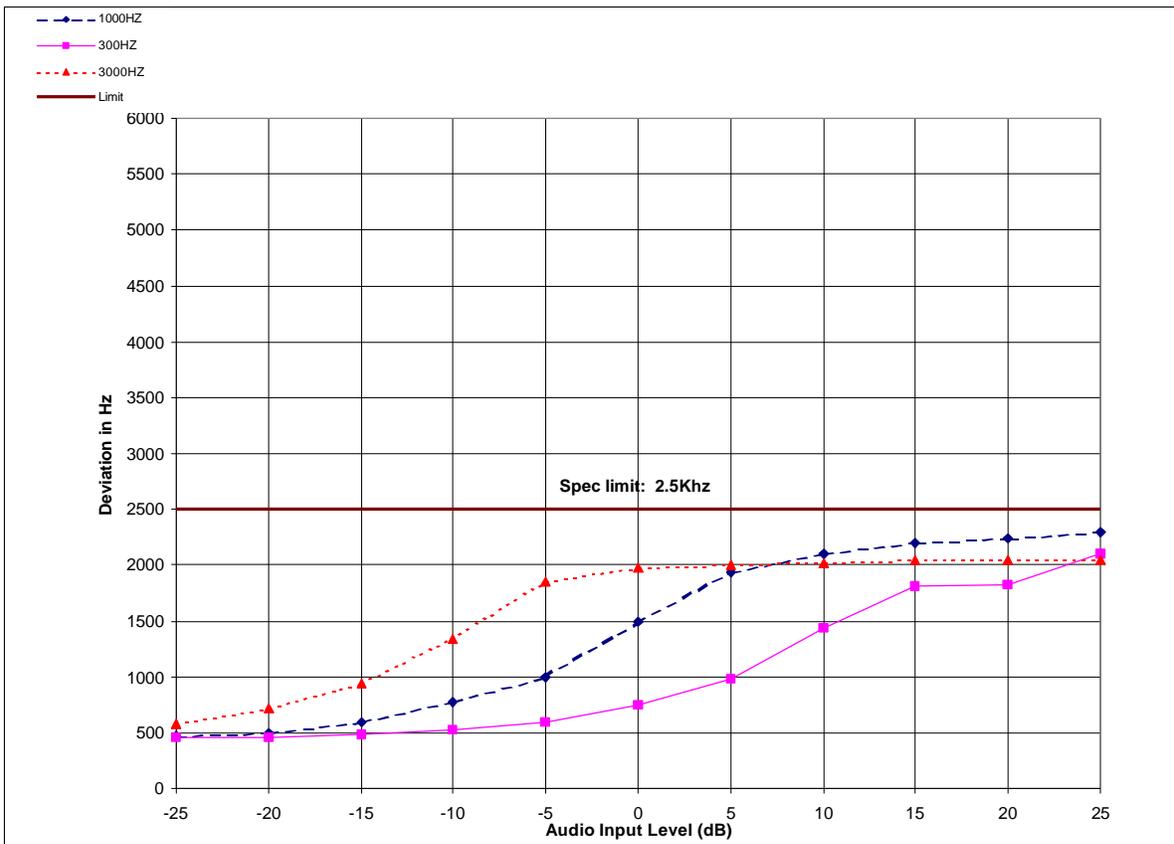
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Frequency : 435.100Mhz
Channel Spacing : 12.5KHz



MOTOROLA INC.

TONE WITH "DPL"
AUDIO INPUT LEVEL vs. DEVIATION

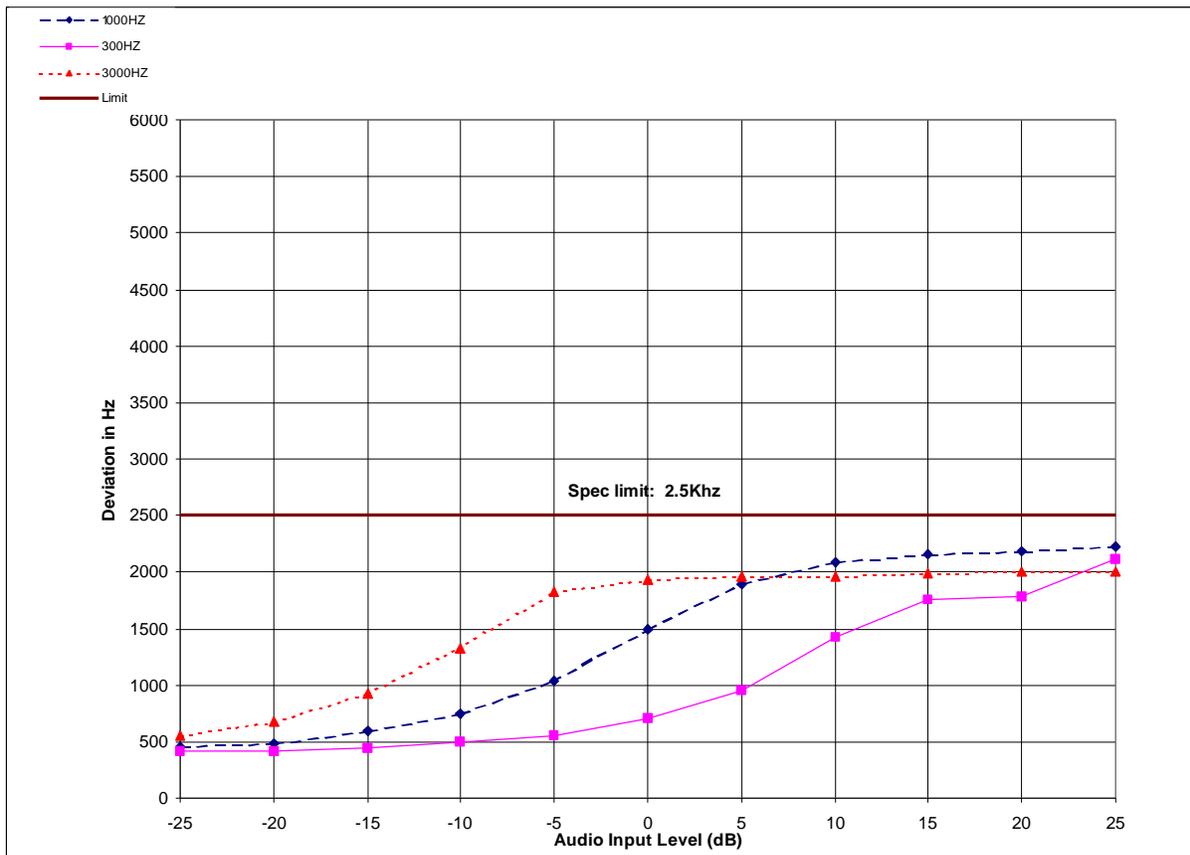
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Frequency : 435.100Mhz
Channel Spacing : 12.5KHz



MOTOROLA INC.

OCCUPIED BANDWIDTH FOR VOICE TRANSMISSION
(2500 HZ AUDIO MODULATION ONLY)

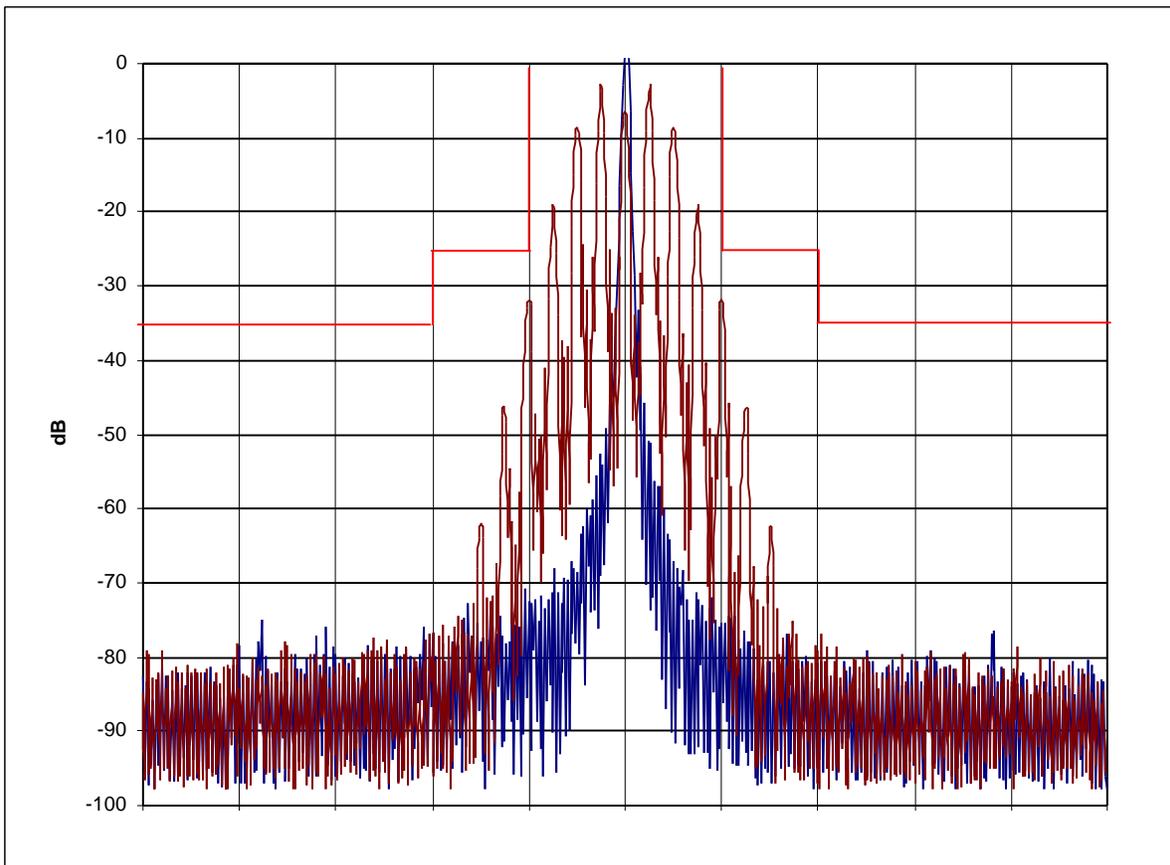
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 10th April 2000

Signature : TK Wan

25Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask B

MOTOROLA INC.

**OCCUPIED BANDWIDTH FOR VOICE TRANSMISSION
(2500 HZ AUDIO & PL TONE MODULATION)**

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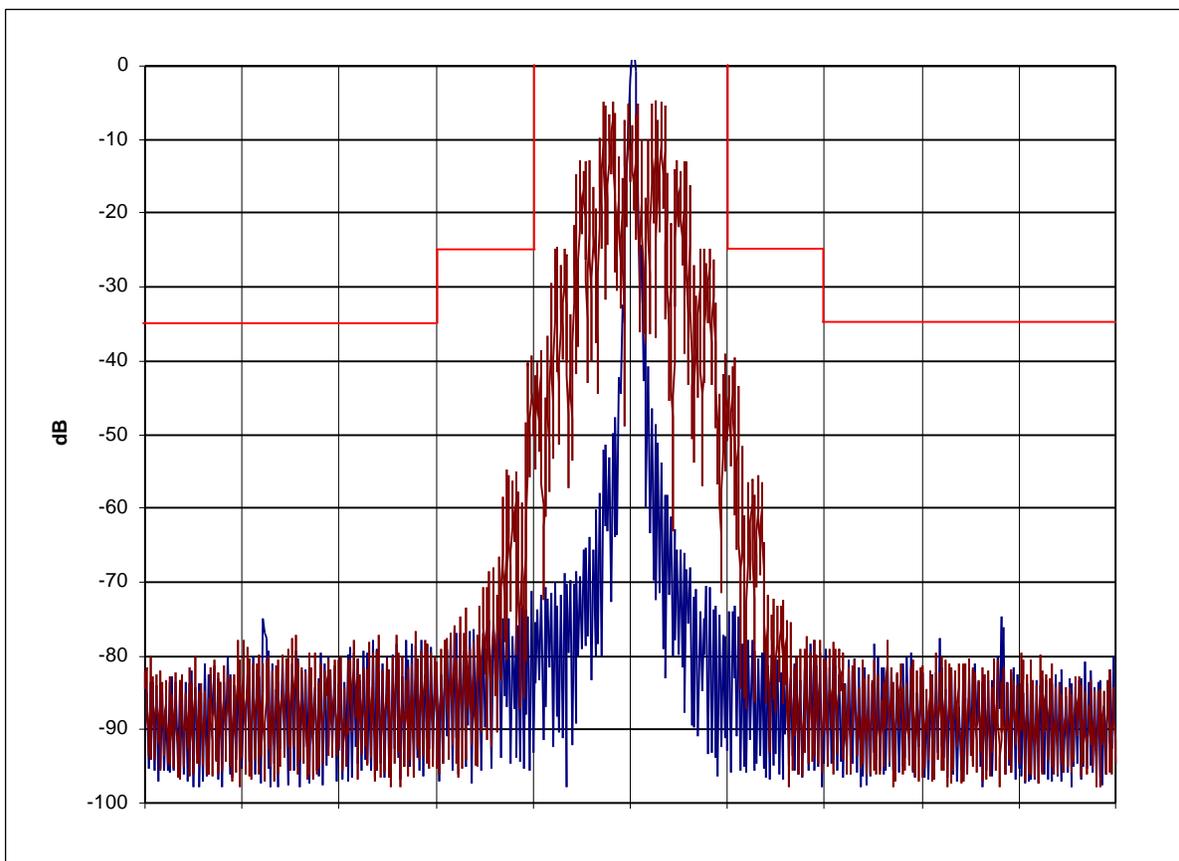
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 10th April 2000

Signature : TK Wan.

25Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask B

MOTOROLA INC.

OCCUPIED BANDWIDTH FOR VOICE TRANSMISSION
(2500 HZ AUDIO & DPL TONE MODULATION)

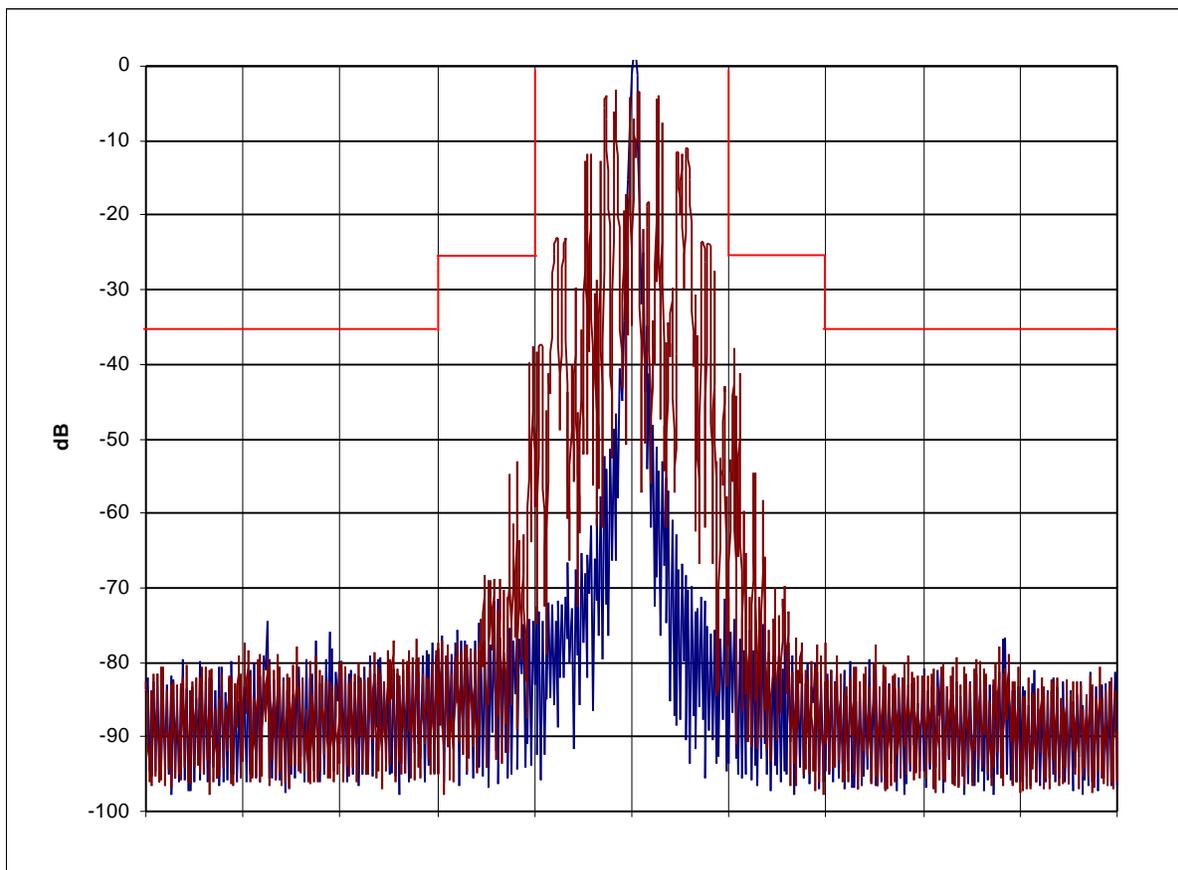
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 10th April 2000

Signature : TK Wan

25Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask B

MOTOROLA INC.

OCCUPIED BANDWIDTH FOR VOICE TRANSMISSION
(DTMF MODULATION ONLY)

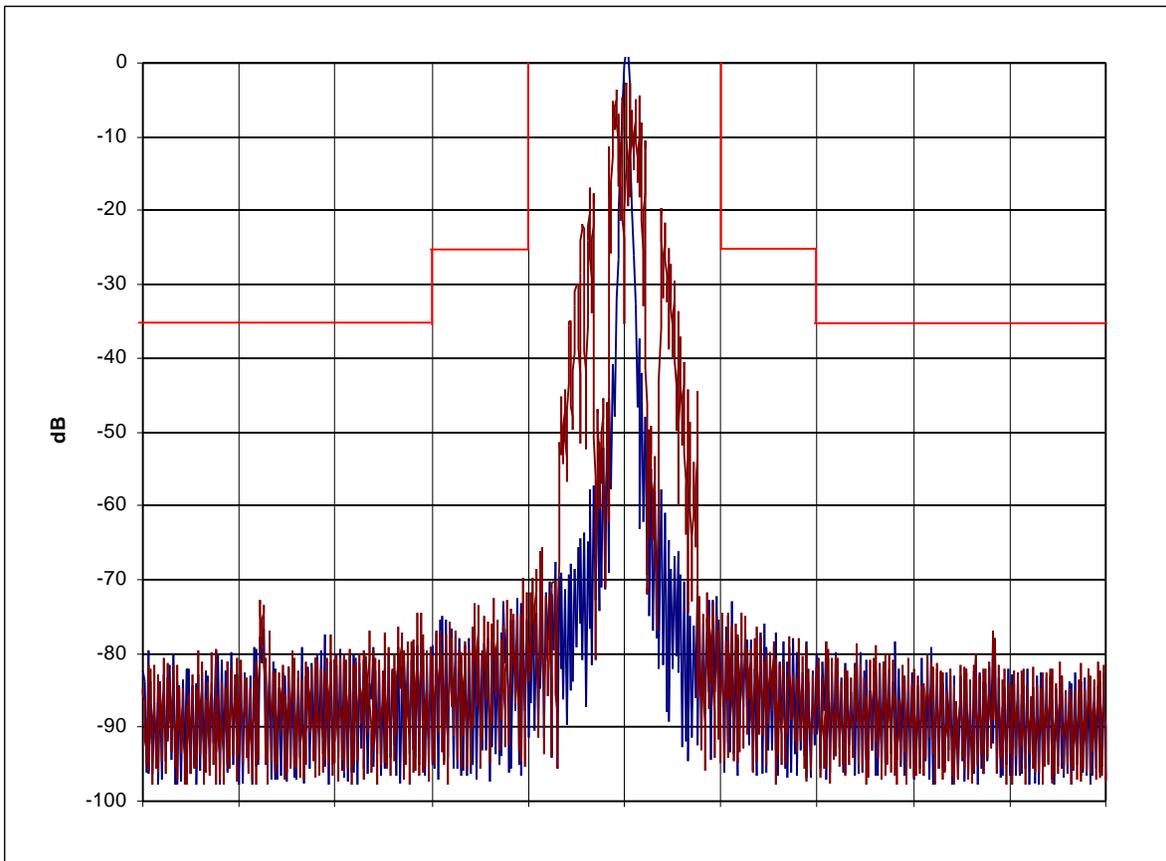
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 10th April 2000

Signature : TK Wan

25Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask B

MOTOROLA INC.

OCCUPIED BANDWIDTH FOR VOICE TRANSMISSION
(DTMF MODULATION & PL TONE MODULATION)

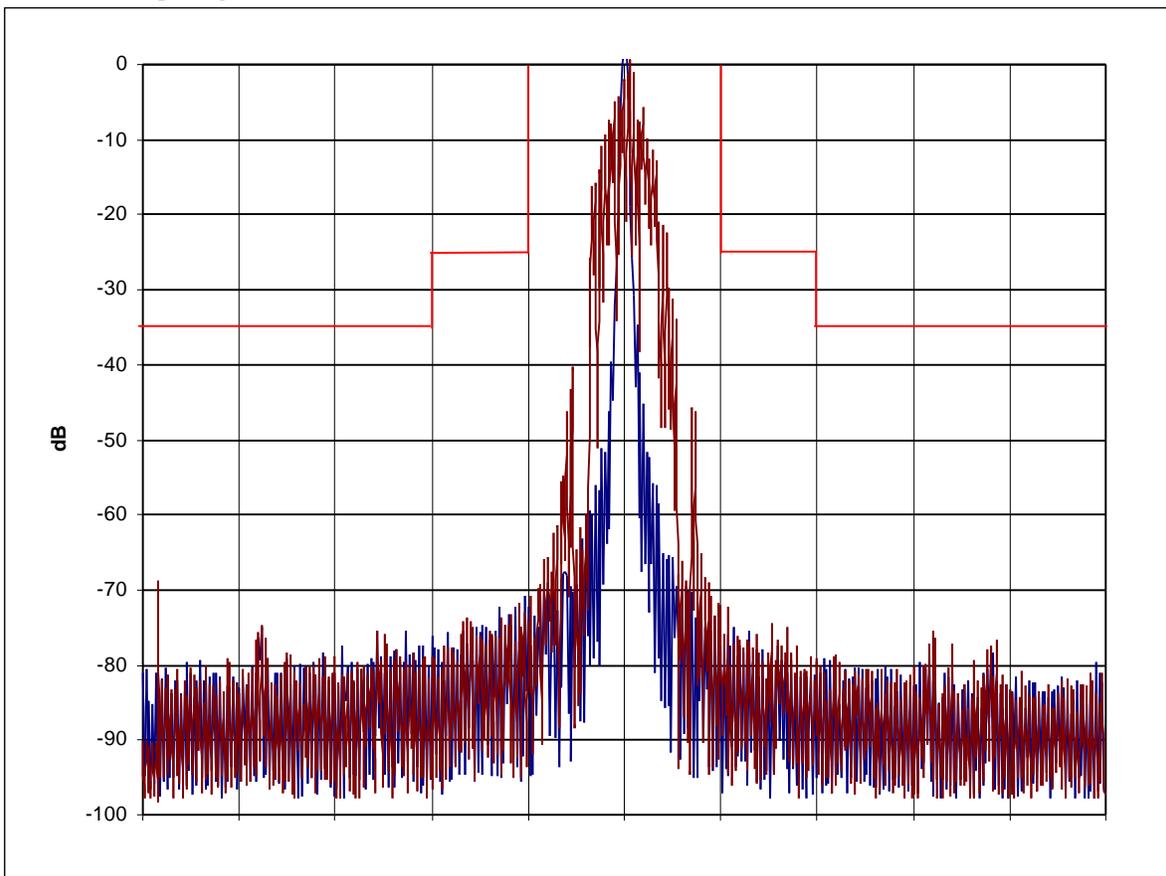
Xmtr Type : AZ492FT4835

Log Page : ---

Date :

Signature : TK Wan

25Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask B

MOTOROLA INC.

OCCUPIED BANDWIDTH FOR VOICE TRANSMISSION
(DTMF MODULATION & DPL TONE MODULATION)

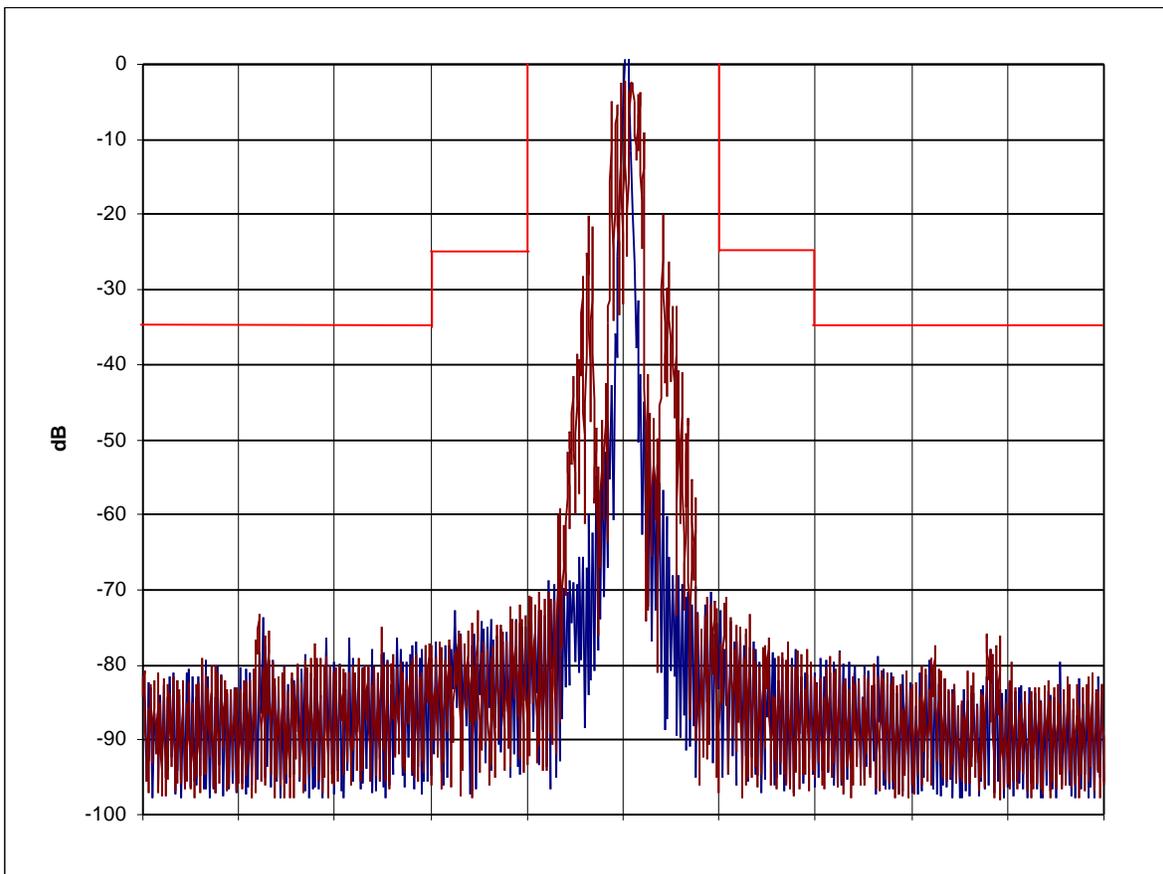
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 10th April 2000

Signature : TK Wan

25Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask B

MOTOROLA INC.

OCCUPIED BANDWIDTH FOR VOICE TRANSMISSION
(2500 HZ AUDIO MODULATION ONLY)

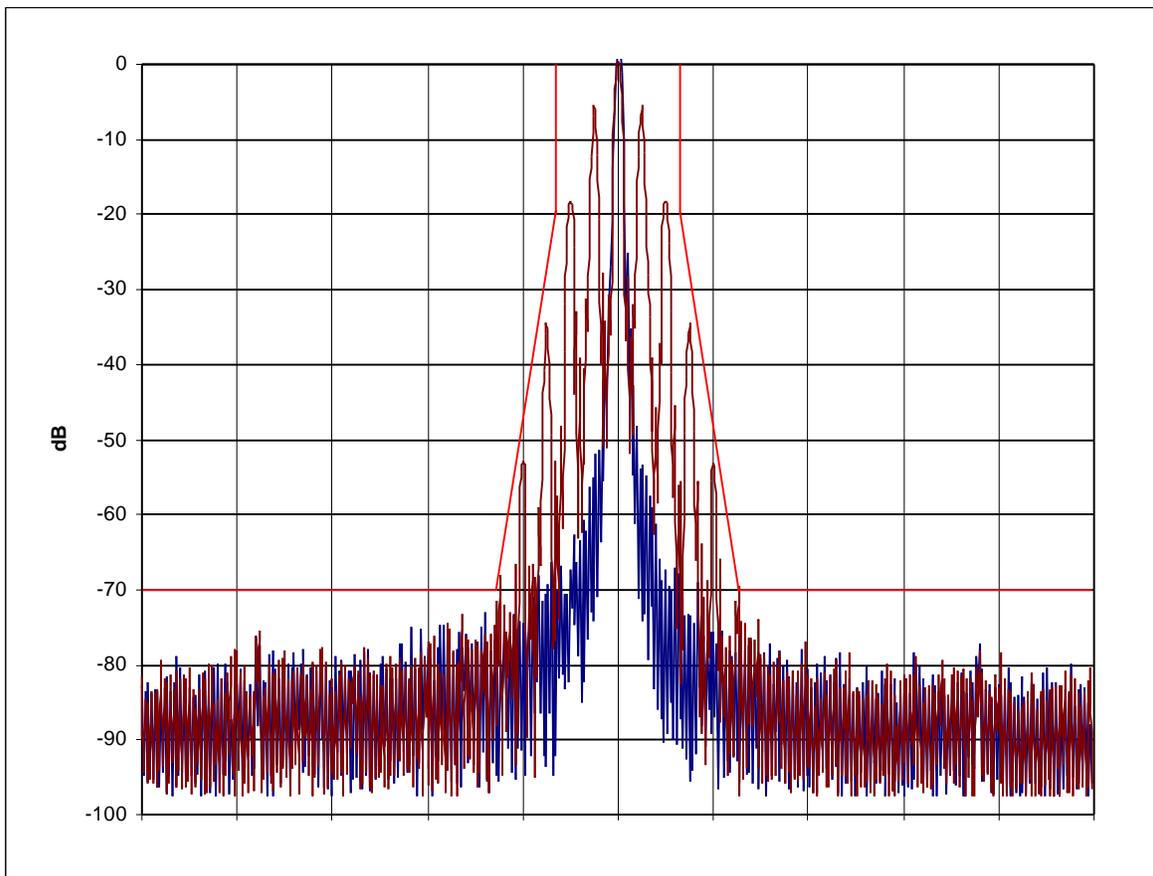
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 11th April 2000

Signature : TK Wan

12.5Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask D

MOTOROLA INC.

OCCUPIED BANDWIDTH FOR VOICE TRANSMISSION
(2500 HZ AUDIO & PL TONE MODULATION)

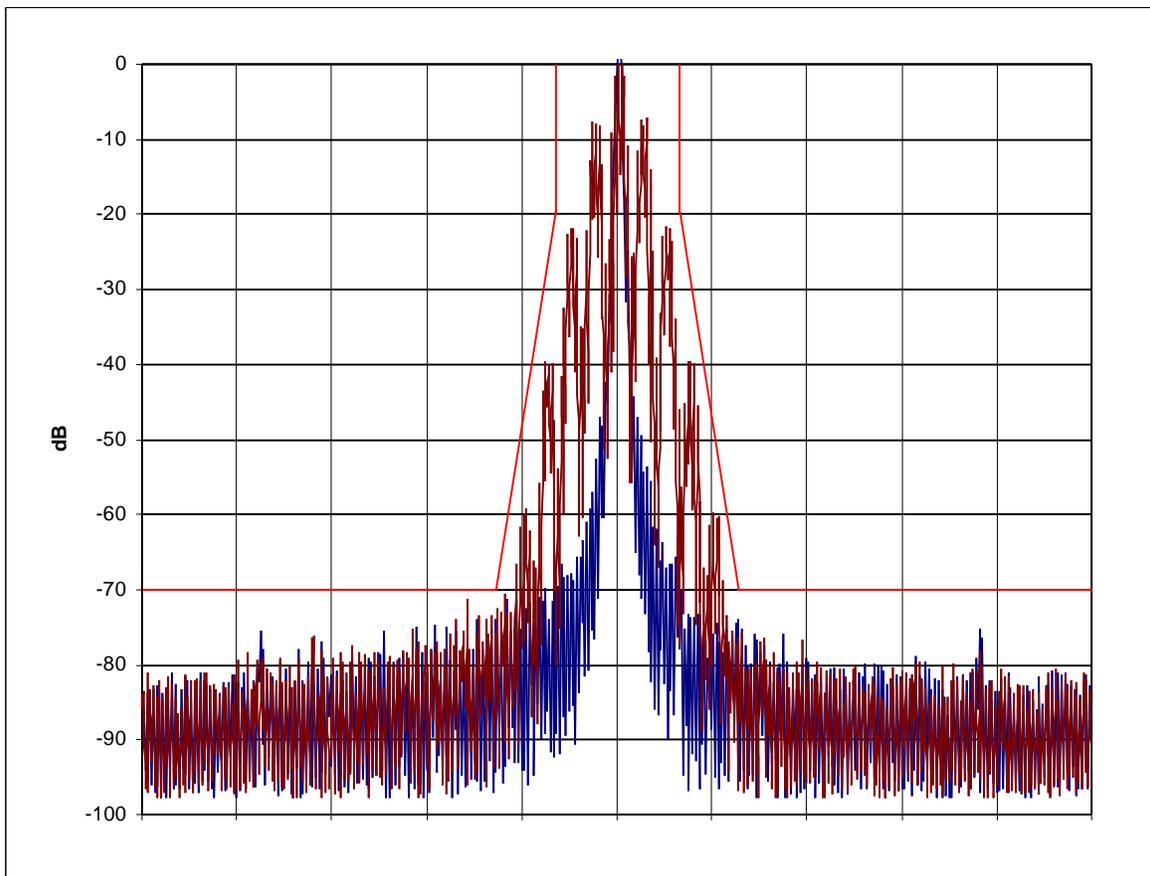
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 11th April 2000

Signature : TK Wan

12.5Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask D

MOTOROLA INC.

**OCCUPIED BANDWIDTH FOR VOICE TRANSMISSION
(2500 HZ AUDIO & DPL TONE MODULATION)**

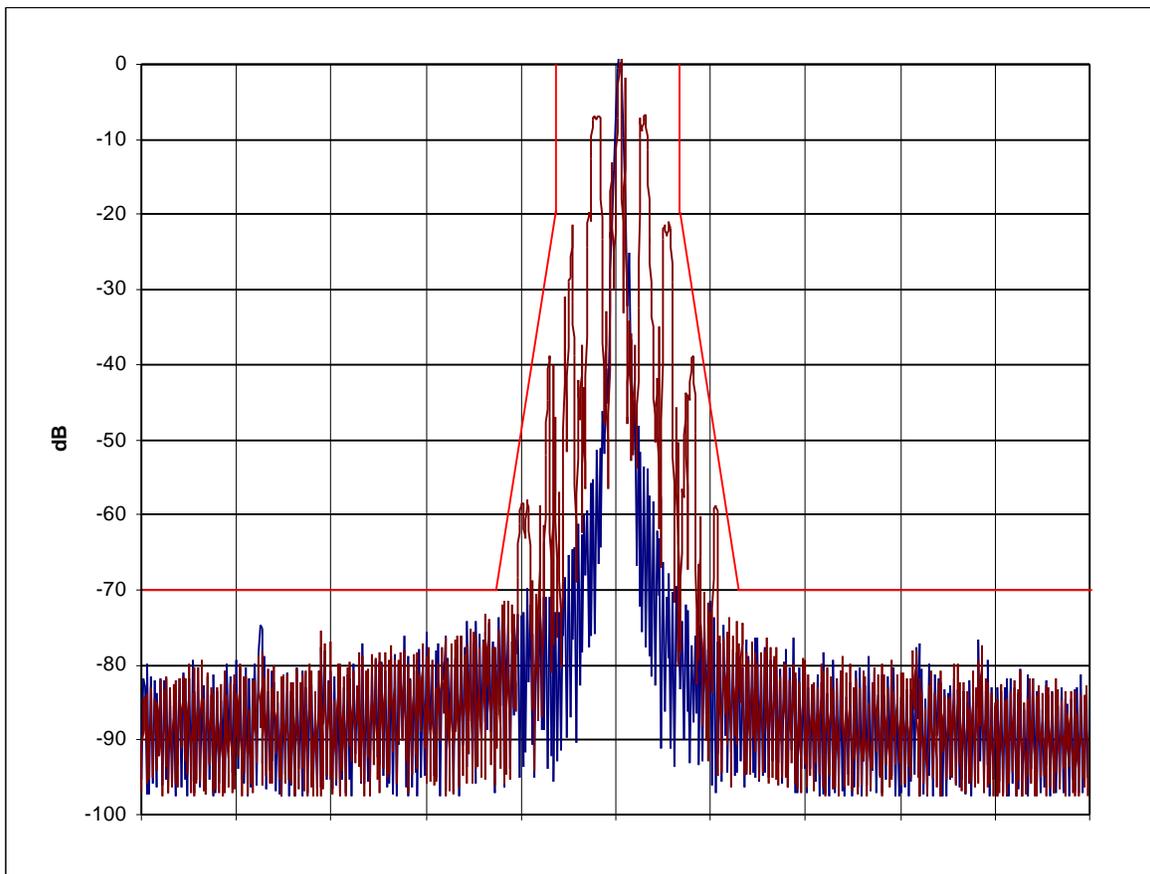
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Date : 11th April 2000

Signature : TK Wan

12.5Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask D

MOTOROLA INC.

OCCUPIED BANDWIDTH FOR VOICE TRANSMISSION
(DTMF MODULATION ONLY)

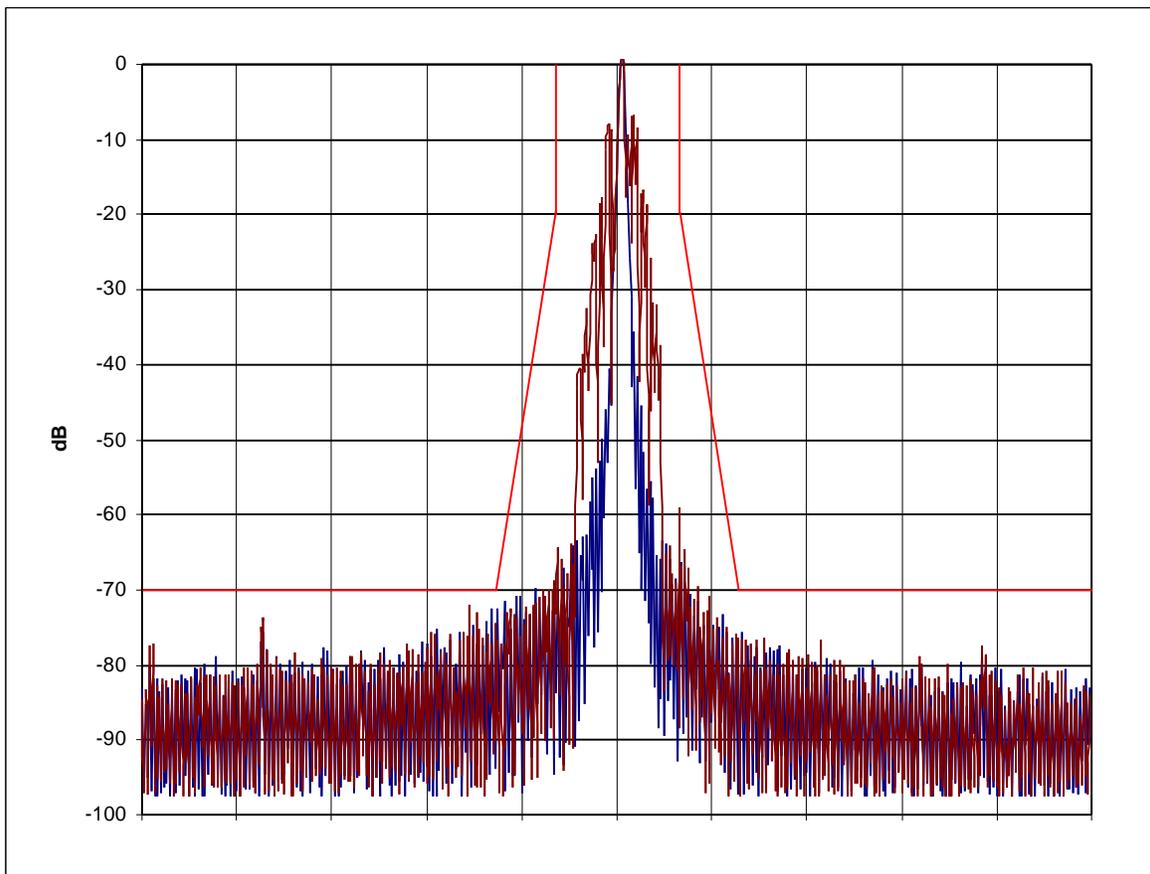
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 11th April 2000

Signature : TK Wan

12.5Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask D

MOTOROLA INC.

OCCUPIED BANDWIDTH FOR VOICE TRANSMISSION
(DTMF MODULATION & PL TONE MODULATION)

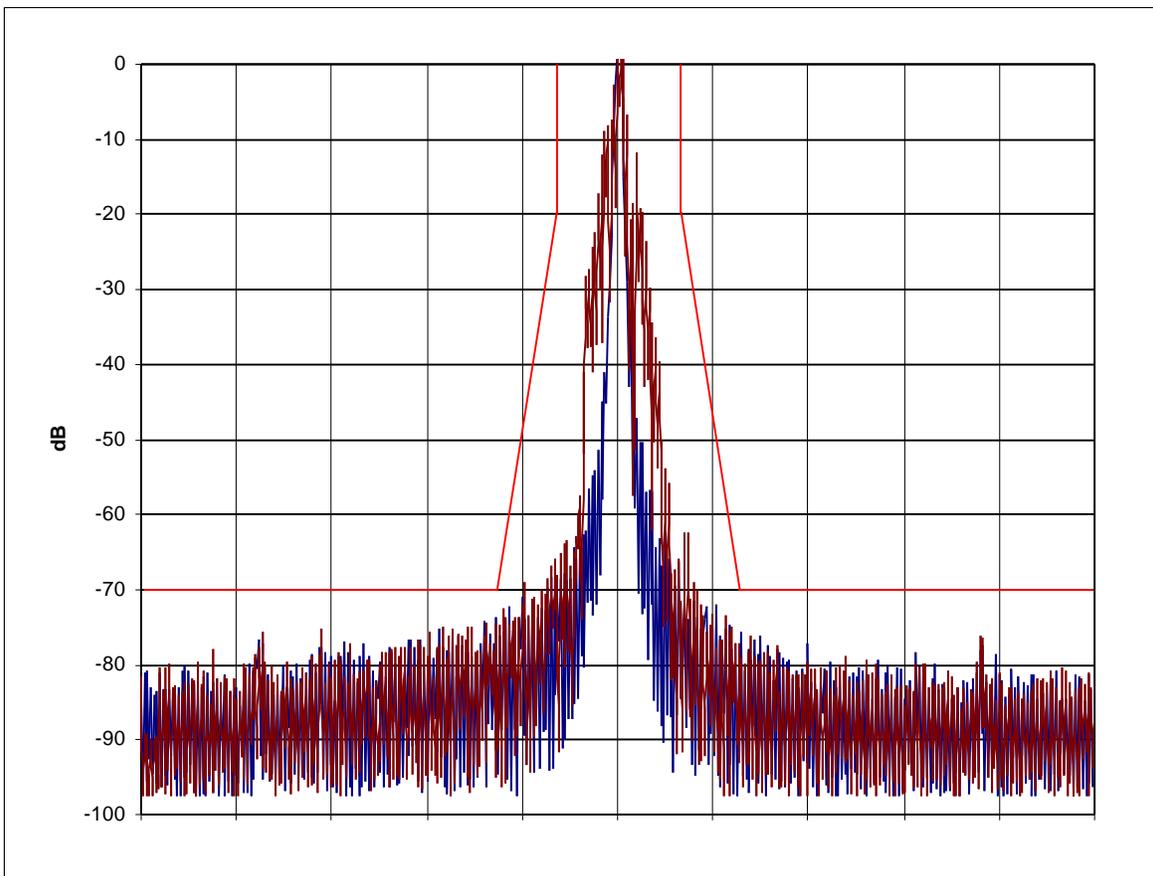
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 11th April 2000

Signature : TK Wan

12.5Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask D

MOTOROLA INC.

OCCUPIED BANDWIDTH FOR VOICE TRANSMISSION
(DTMF MODULATION & DPL TONE MODULATION)

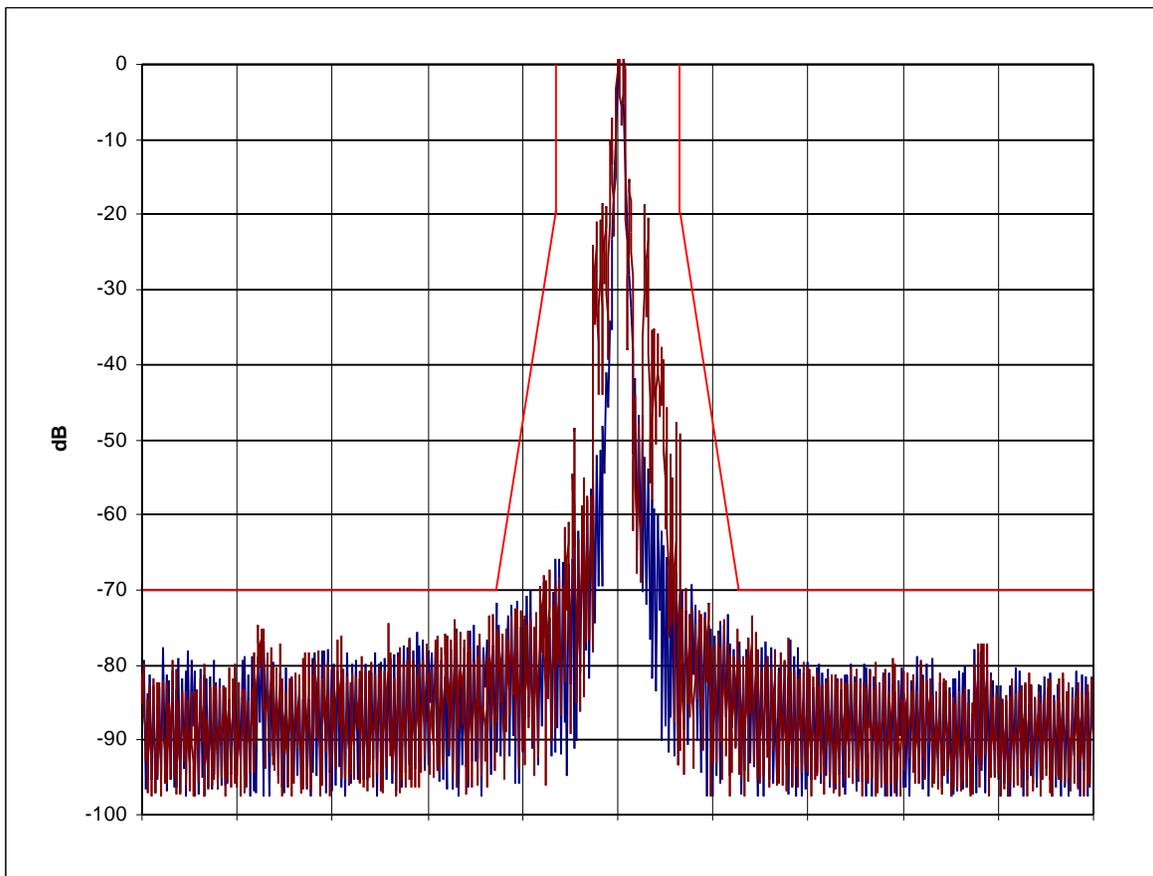
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 11th April 2000

Signature : TK Wan

12.5Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask D

MOTOROLA INC.

**OCCUPIED BANDWIDTH FOR DATA TRANSMISSION
(2000/3000 HZ FSK DATA MODULATION)**

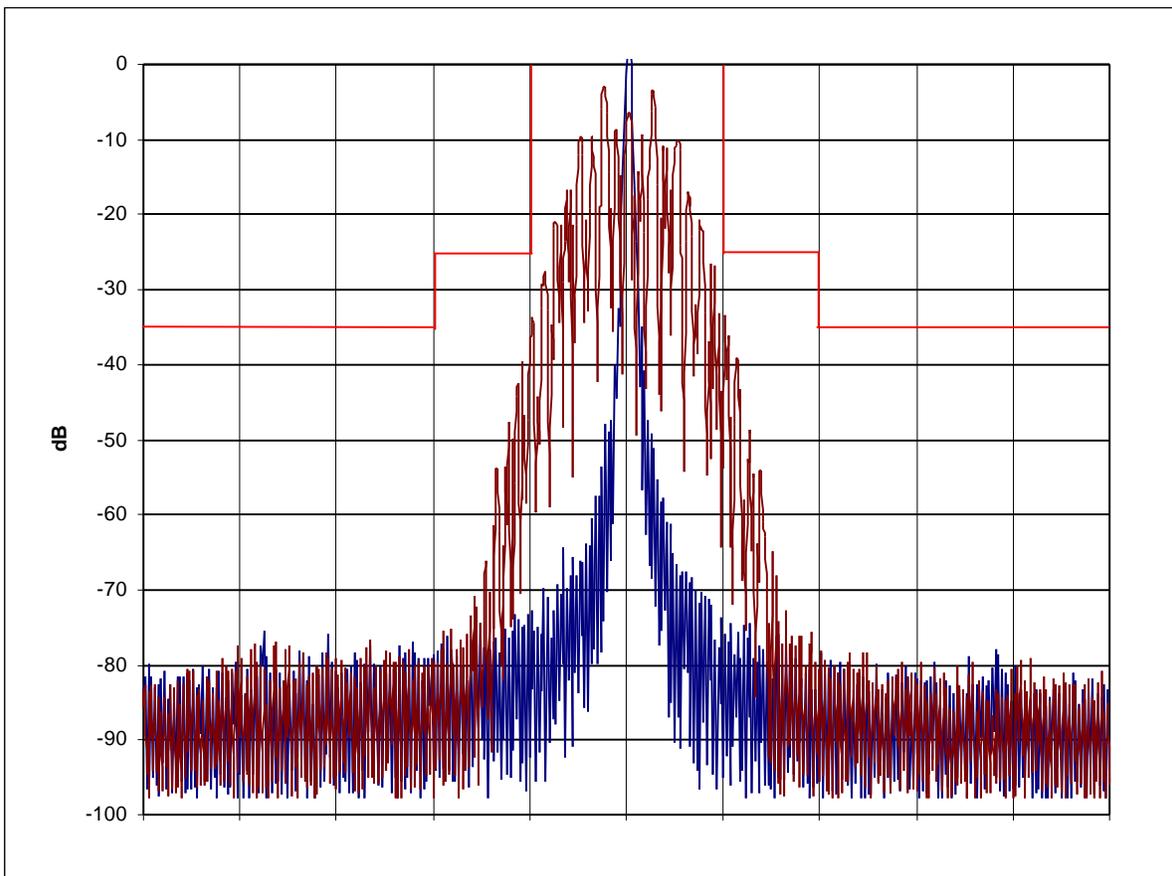
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 10th April 2000

Signature : TK Wan

25Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask B

MOTOROLA INC.

**OCCUPIED BANDWIDTH FOR DATA TRANSMISSION
(2000/3000 HZ FSK DATA AND PL TONE MODULATION)**

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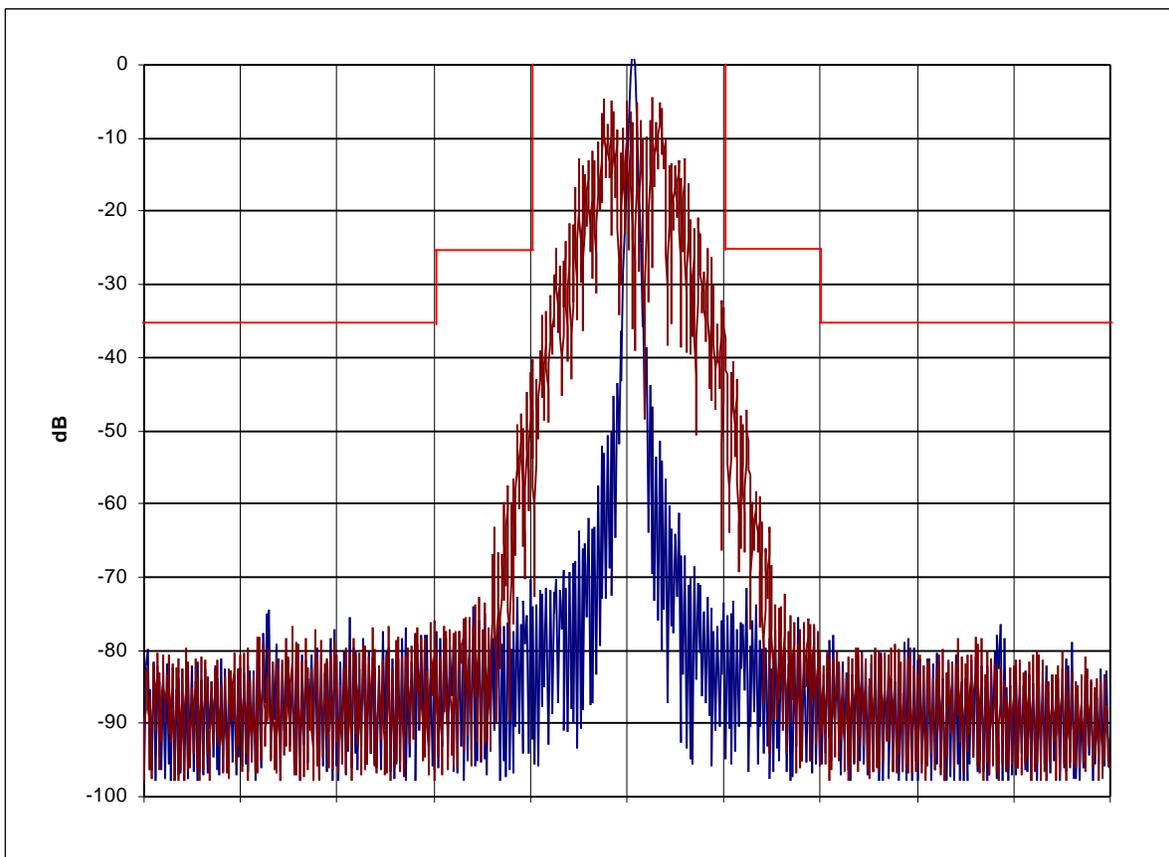
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 10th April 2000

Signature : TK Wan

25Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask B

MOTOROLA INC.

OCCUPIED BANDWIDTH FOR DATA TRANSMISSION
(2000/3000 HZ FSK DATA AND DPL TONE MODULATION)

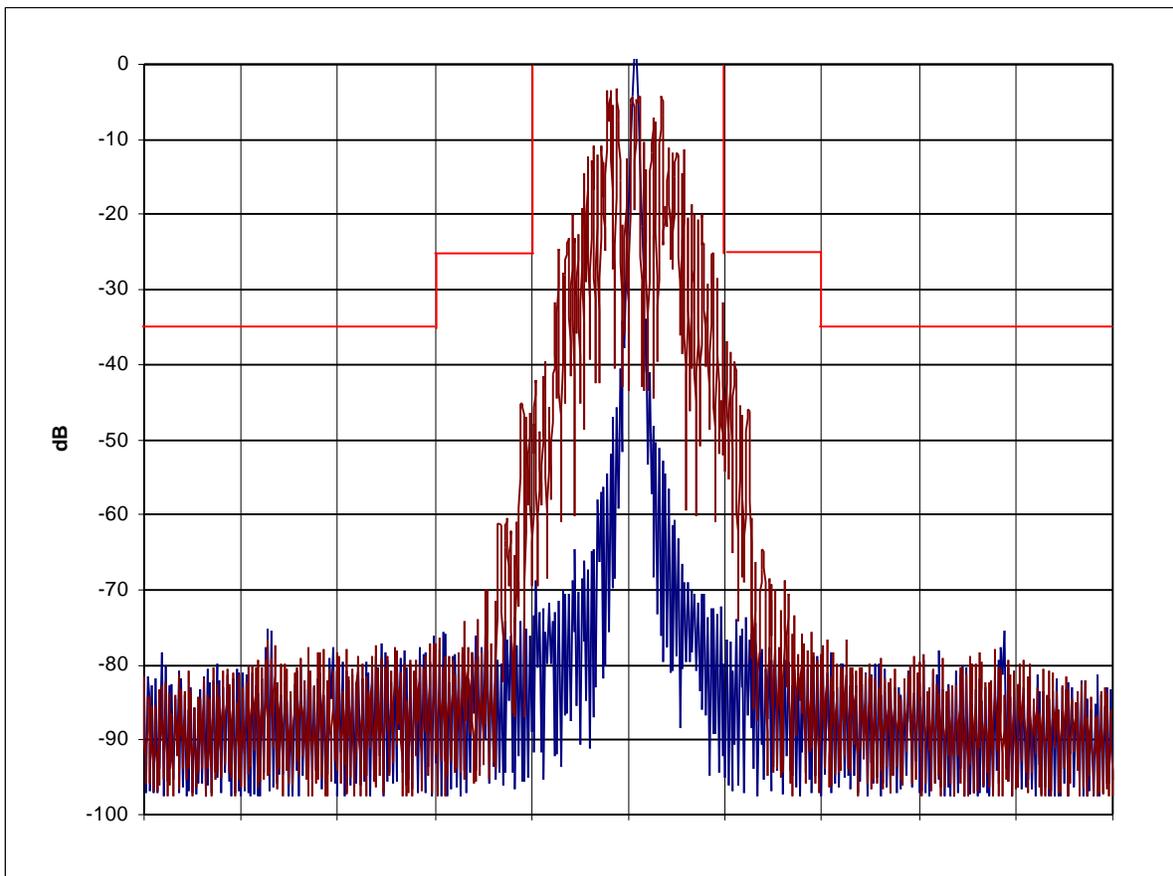
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 10th April 2000

Signature : TK Wan

25Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask B

MOTOROLA INC.

OCCUPIED BANDWIDTH FOR DATA TRANSMISSION
(2000/3000 HZ FSK DATA MODULATION)

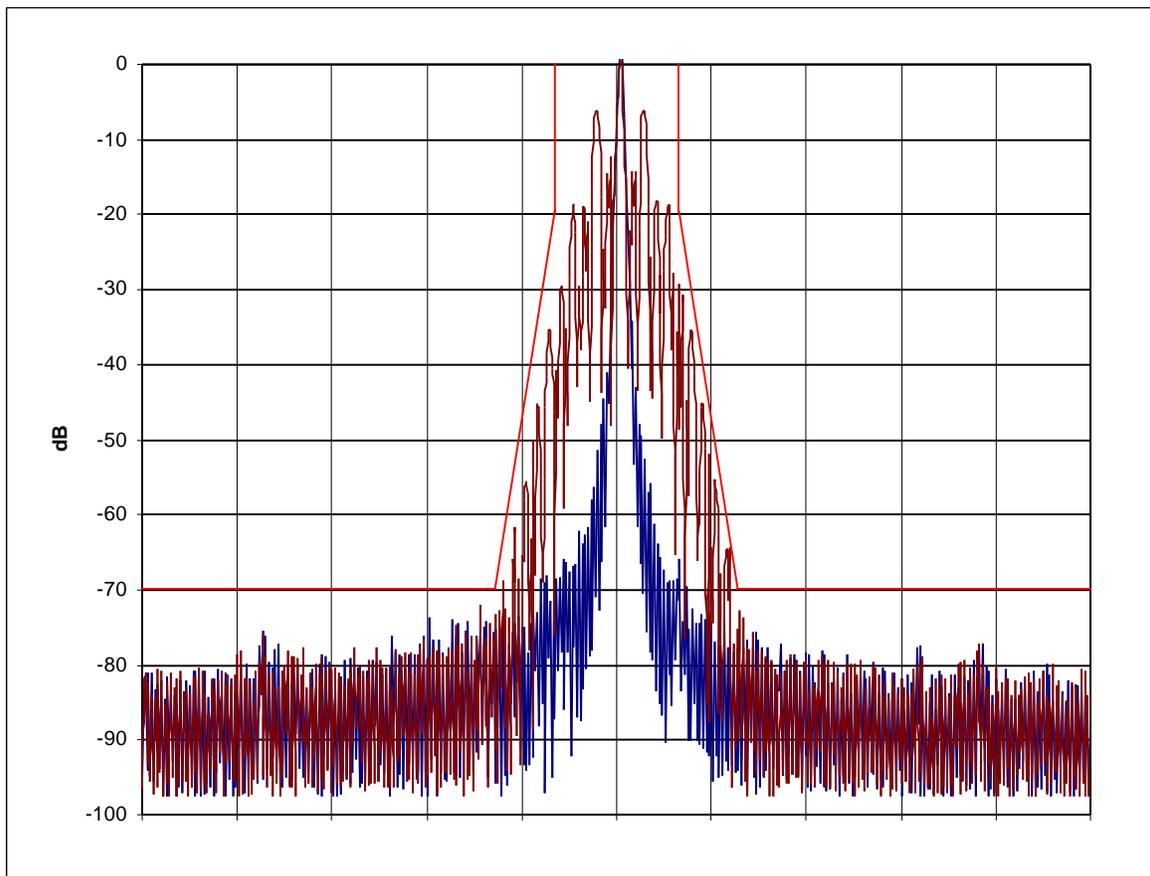
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 11th April 2000

Signature : TK Wan

12.5Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask D

MOTOROLA INC.

OCCUPIED BANDWIDTH FOR DATA TRANSMISSION
(2000/3000 HZ FSK DATA & PL TONE MODULATION)

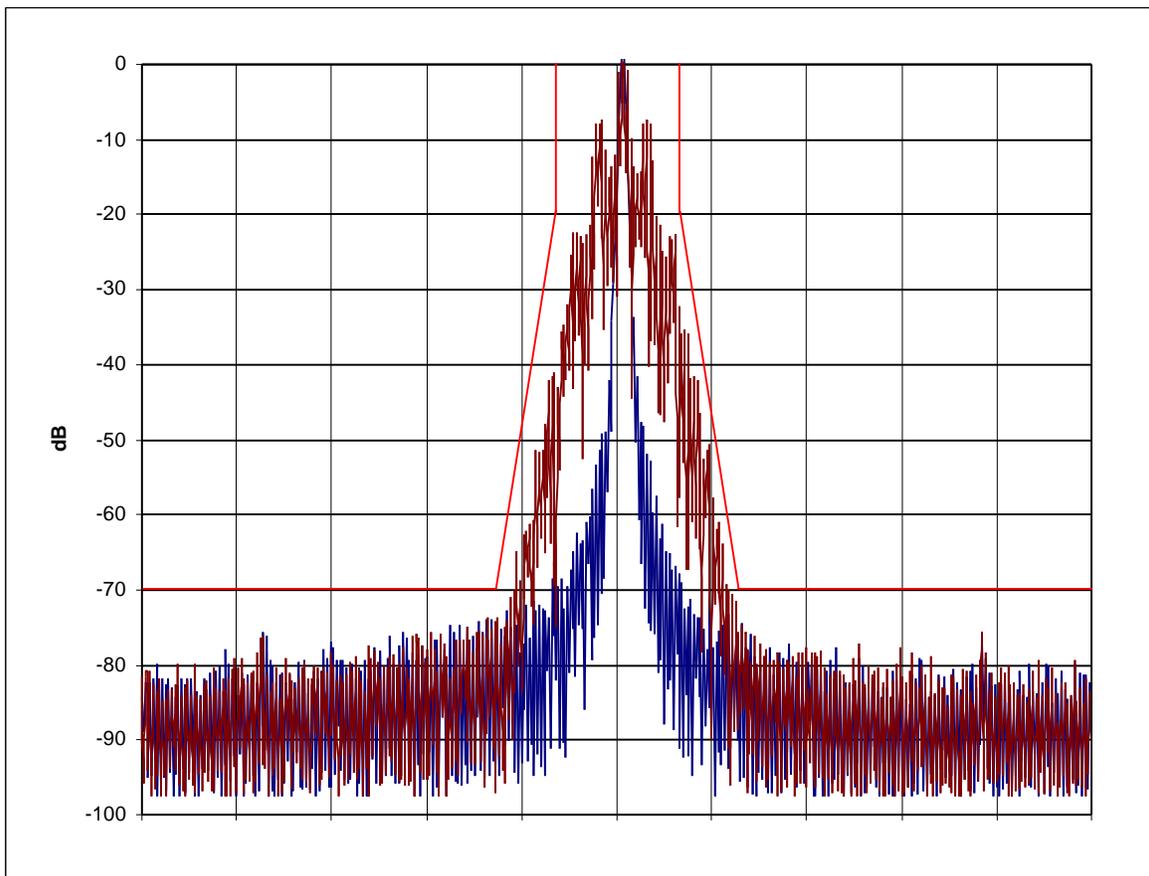
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 11th April 2000

Signature : TK Wan

12.5Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask D

MOTOROLA INC.

OCCUPIED BANDWIDTH FOR DATA TRANSMISSION
(2000/3000 HZ FSK DATA & DPL TONE MODULATION)

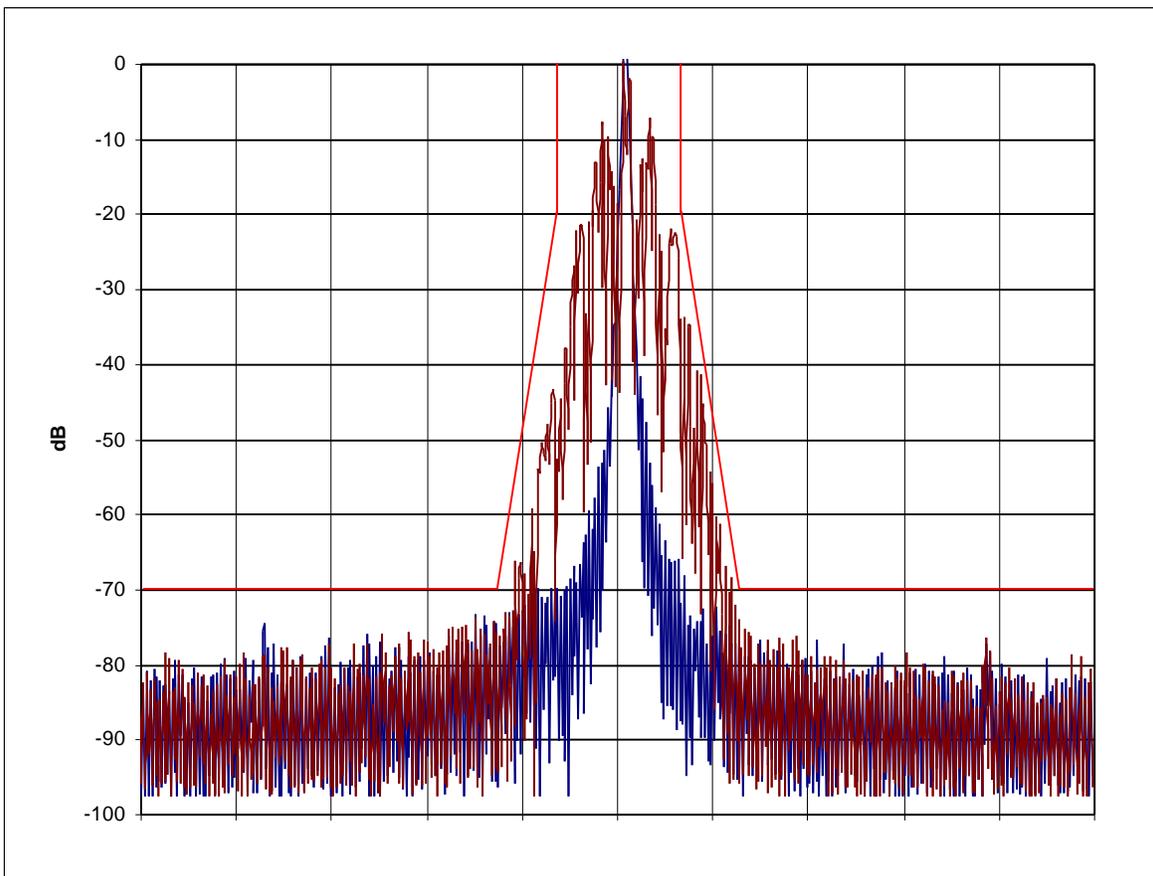
Xmtr Type : AZ492FT4835

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Signature : TK Wan

12.5Khz Channel Spacing



CENTER FREQUENCY(MHZ):	435.100
RESOLUTION BANDWIDTH(HZ):	300
VIDEO BANDWIDTH(KHZ):	3
SPAN(KHZ):	100
SWEEP TIME(SEC):	3
SCALE(DB/):	10
REF LEVEL(dBm)	2.4
ATTEN (dB)	30

Note: Emission Mask D

MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC
CONDUCTED SPURIOUS AND HARMONIC EMISSIONS

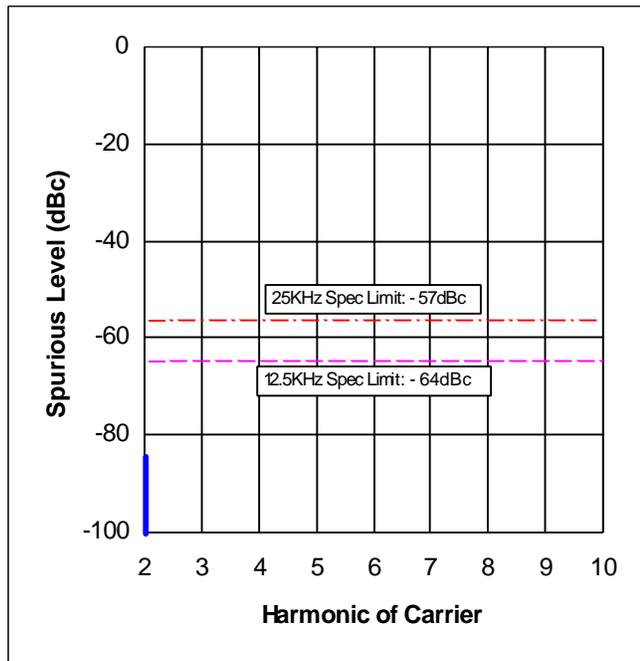
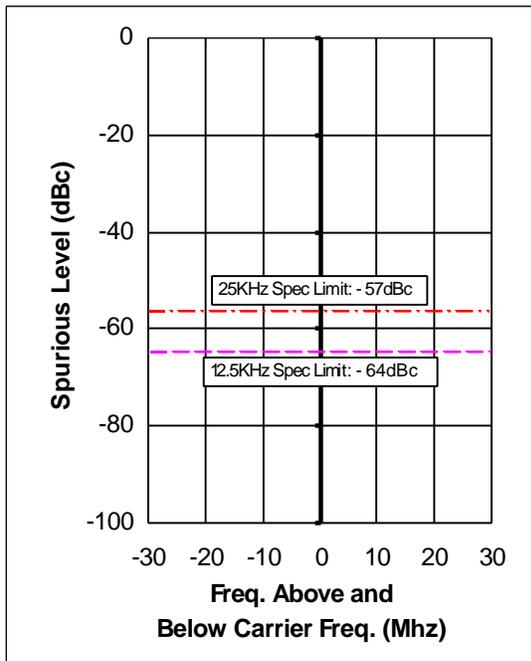
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Power Output : 25W at 403.100Mhz.



Note: Other emissions not reported were more than 35dB below the limit

MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC
CONDUCTED SPURIOUS AND HARMONIC EMISSIONS

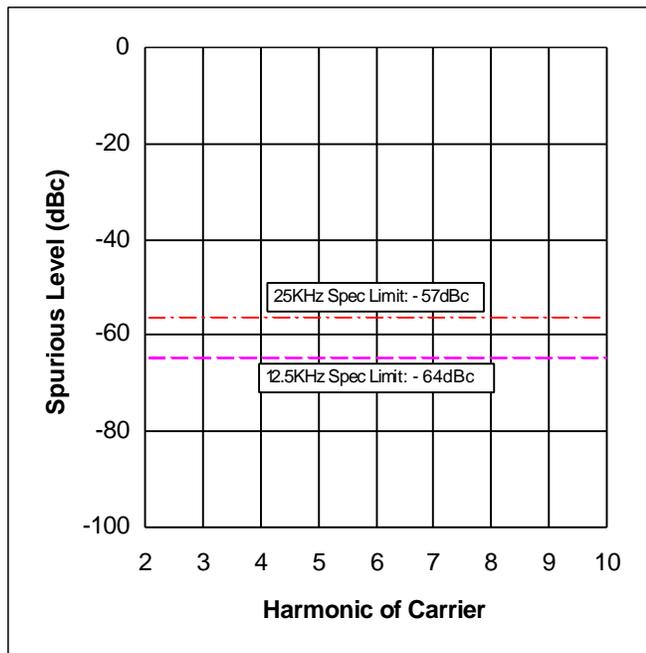
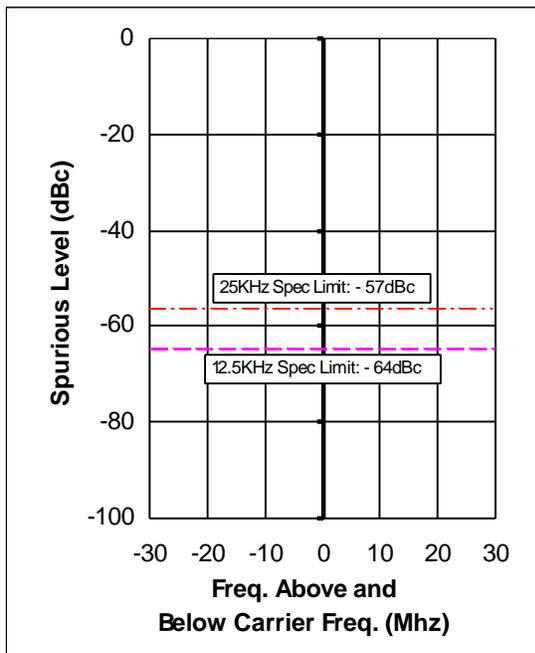
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Power Output : 25W at 435.100Mhz.



Note: Other emissions not reported were more than 35dB below the limit

MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC
CONDUCTED SPURIOUS AND HARMONIC EMISSIONS

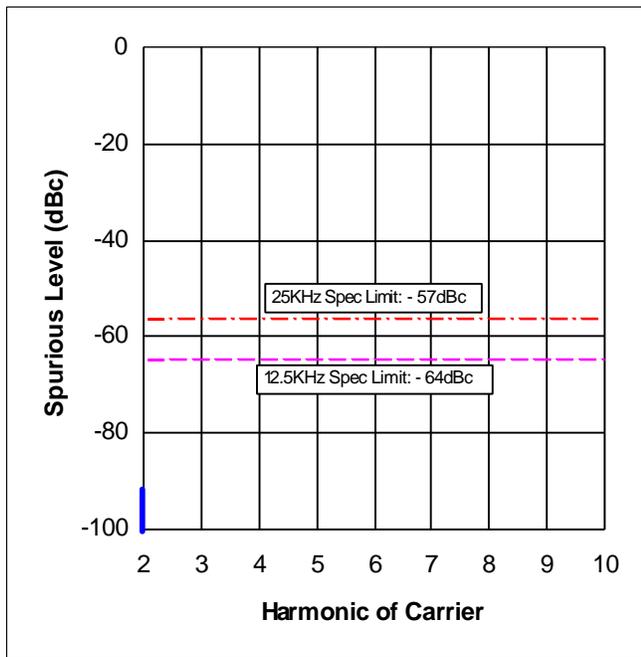
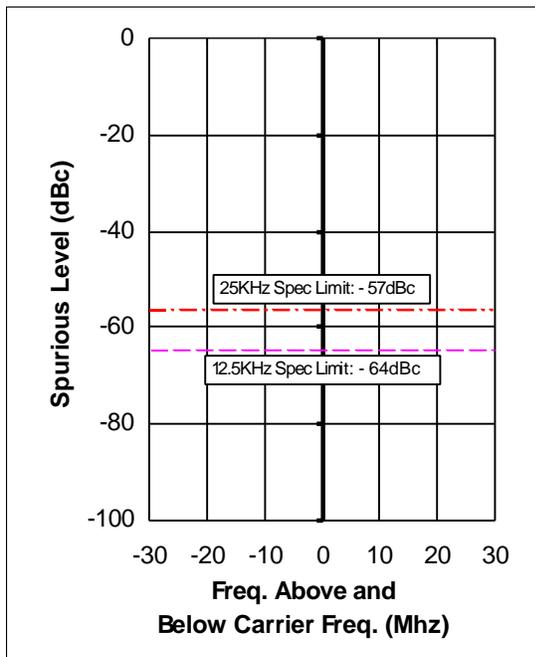
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Power Output : 25W at 469.900Mhz.



Note: Other emissions not reported were more than 35dB below the limit

MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC
CONDUCTED SPURIOUS AND HARMONIC EMISSIONS

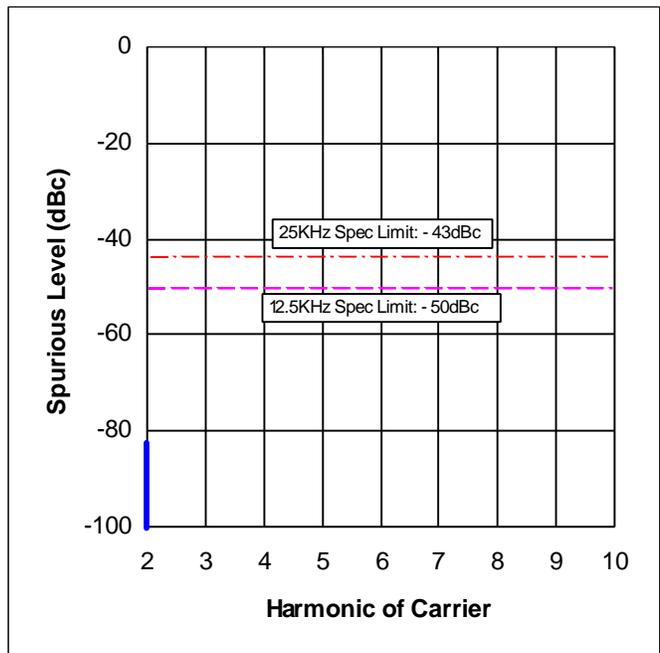
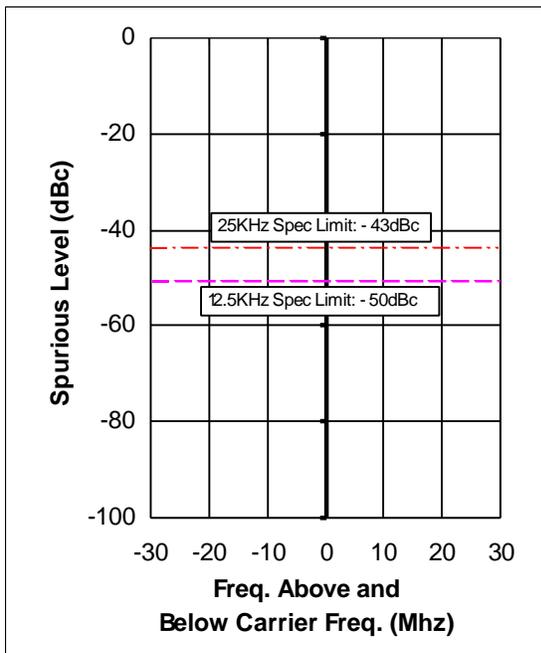
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Power Output : 1W at 403.100 MHz.



Note: Other emissions not reported were 45dB below the limit

MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC
CONDUCTED SPURIOUS AND HARMONIC EMISSIONS

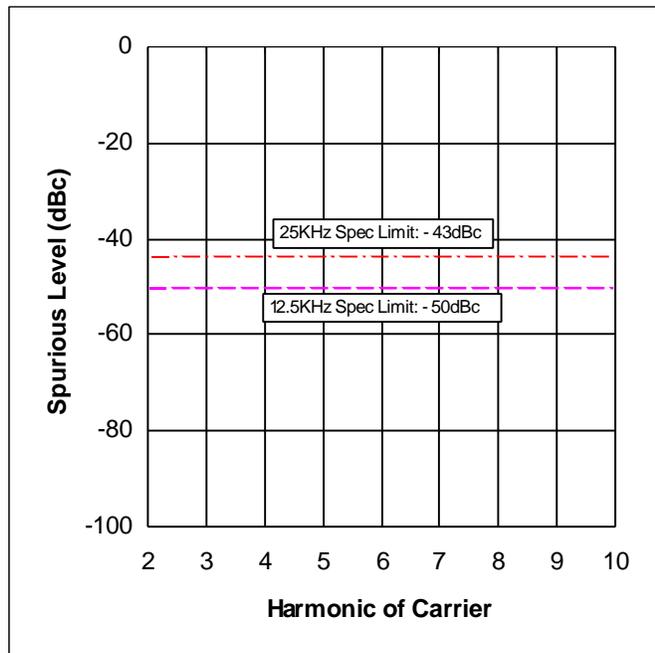
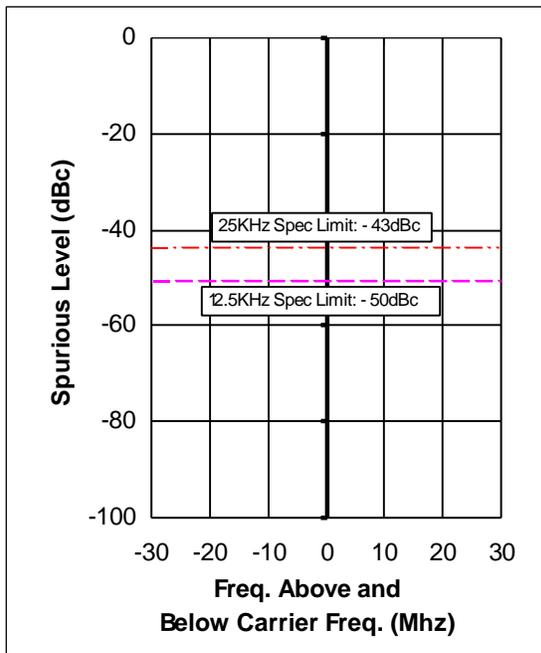
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Power Output : 1W at 435.100Mhz.



Note: Other emissions not reported were 45dB below the limit

MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC
CONDUCTED SPURIOUS AND HARMONIC EMISSIONS

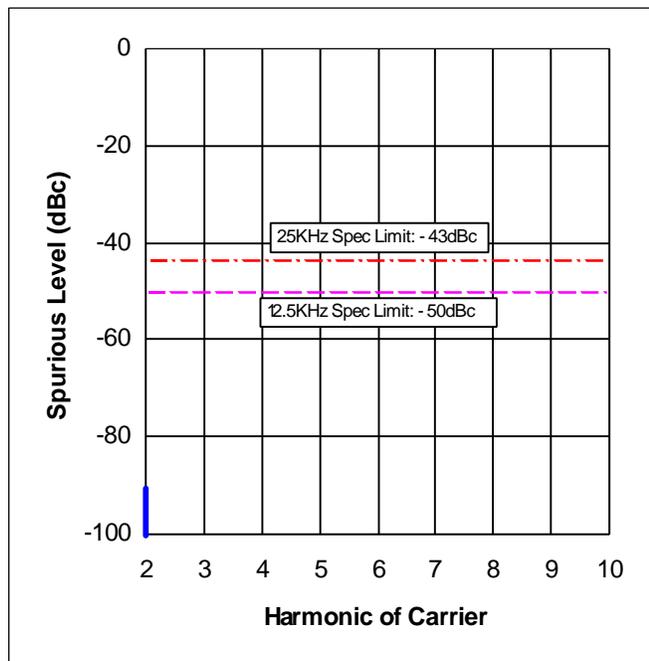
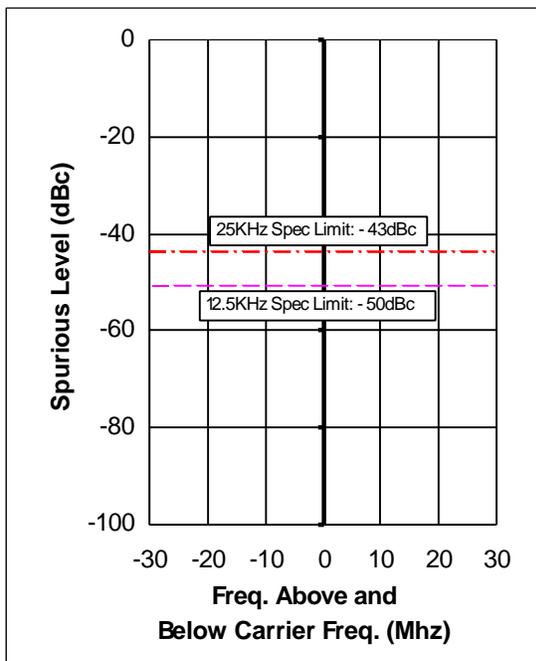
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Power Output : 1W at 469.900 MHz.



Note: Other emissions not reported were 45dB below the limit.

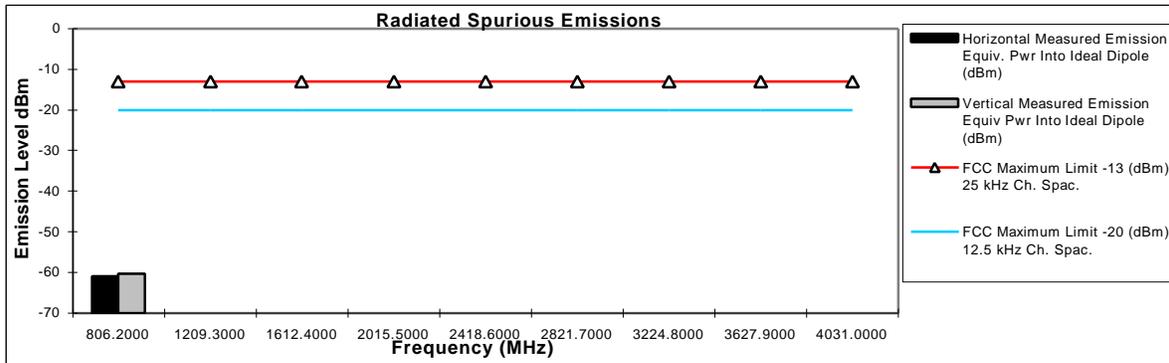
MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC
RADIATED SPURIOUS AND HARMONIC EMISSIONS

Transmitter Radiated Spurious Emissions: Waris Mobile UHF R1

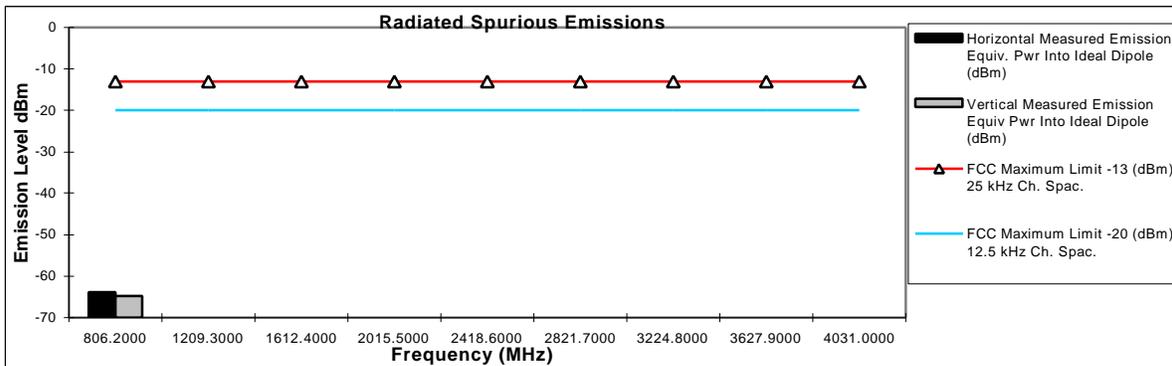
403.1 MHz - High Power (25 W) - 12.5 kHz CH. Spacing

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
806.2000	-13	-20	-61.0	-60.3
1209.3000	-13	-20	*	*
1612.4000	-13	-20	*	*
2015.5000	-13	-20	*	*
2418.6000	-13	-20	*	*
2821.7000	-13	-20	*	*
3224.8000	-13	-20	*	*
3627.9000	-13	-20	*	*
4031.0000	-13	-20	*	*



403.1 MHz - High Power (25 W) - 25 kHz CH. Spacing

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
806.2000	-13	-20	-63.8	-64.9
1209.3000	-13	-20	*	*
1612.4000	-13	-20	*	*
2015.5000	-13	-20	*	*
2418.6000	-13	-20	*	*
2821.7000	-13	-20	*	*
3224.8000	-13	-20	*	*
3627.9000	-13	-20	*	*
4031.0000	-13	-20	*	*



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

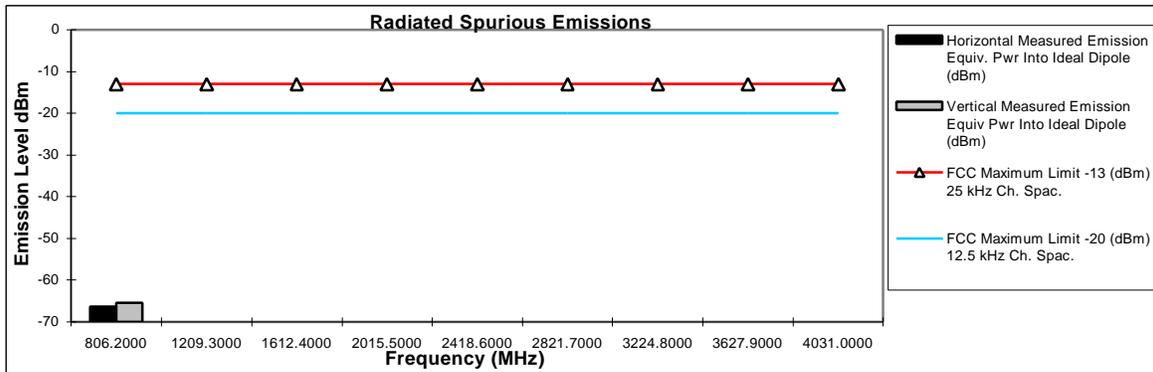
MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC
RADIATED SPURIOUS AND HARMONIC EMISSIONS

Transmitter Radiated Spurious Emissions: Waris Mobile UHF R1

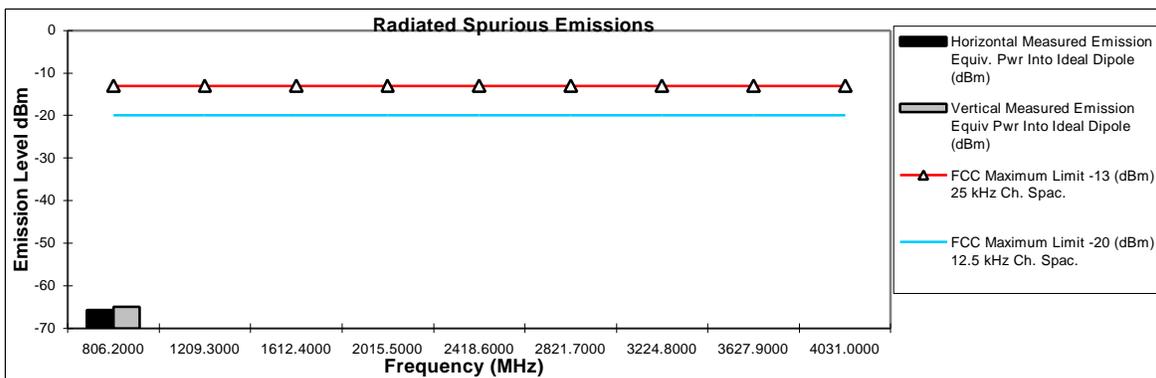
403.1 MHz - Low Power (1 W) - 12.5 kHz CH. Spacing

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
806.2000	-13	-20	-66.3	-65.4
1209.3000	-13	-20	*	*
1612.4000	-13	-20	*	*
2015.5000	-13	-20	*	*
2418.6000	-13	-20	*	*
2821.7000	-13	-20	*	*
3224.8000	-13	-20	*	*
3627.9000	-13	-20	*	*
4031.0000	-13	-20	*	*



403.1 MHz - Low Power (1 W) - 25 kHz CH. Spacing

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
806.2000	-13	-20	-65.8	-65.0
1209.3000	-13	-20	*	*
1612.4000	-13	-20	*	*
2015.5000	-13	-20	*	*
2418.6000	-13	-20	*	*
2821.7000	-13	-20	*	*
3224.8000	-13	-20	*	*
3627.9000	-13	-20	*	*
4031.0000	-13	-20	*	*



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

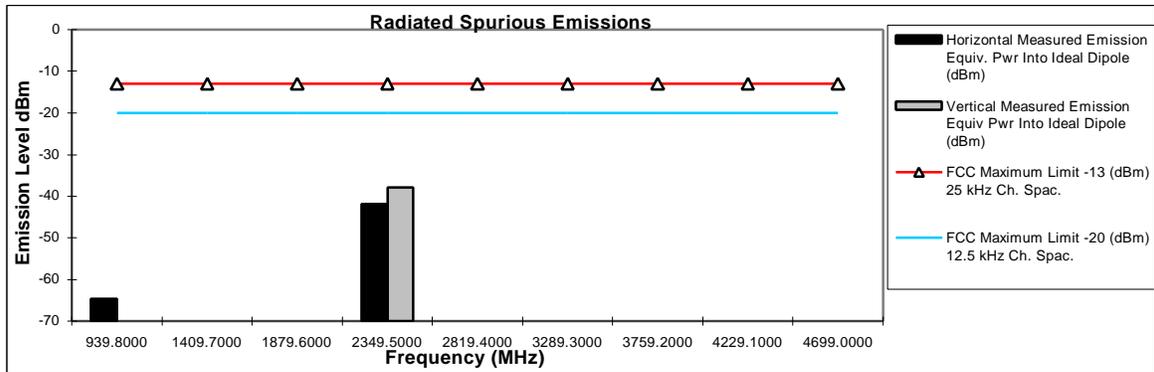
MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC
RADIATED SPURIOUS AND HARMONIC EMISSIONS

Transmitter Radiated Spurious Emissions: Waris Mobile UHF R1

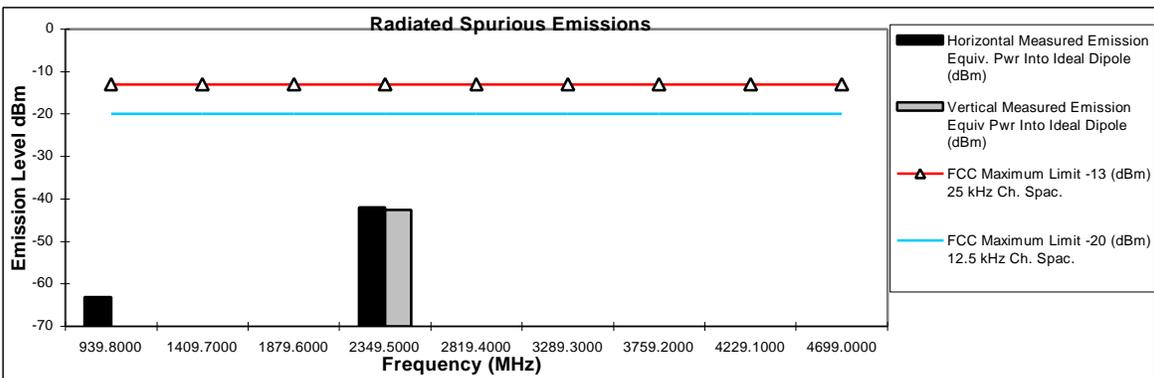
469.9 MHz - High Power (25 W) - 12.5 kHz CH. Spacing

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
939.8000	-13	-20	-64.6	*
1409.7000	-13	-20	*	*
1879.6000	-13	-20	*	*
2349.5000	-13	-20	-41.9	-37.9
2819.4000	-13	-20	*	*
3289.3000	-13	-20	*	*
3759.2000	-13	-20	*	*
4229.1000	-13	-20	*	*
4699.0000	-13	-20	*	*



469.9 MHz - High Power (25 W) - 25 kHz CH. Spacing

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
939.8000	-13	-20	-63.1	*
1409.7000	-13	-20	*	*
1879.6000	-13	-20	*	*
2349.5000	-13	-20	-42.1	-42.6
2819.4000	-13	-20	*	*
3289.3000	-13	-20	*	*
3759.2000	-13	-20	*	*
4229.1000	-13	-20	*	*
4699.0000	-13	-20	*	*



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

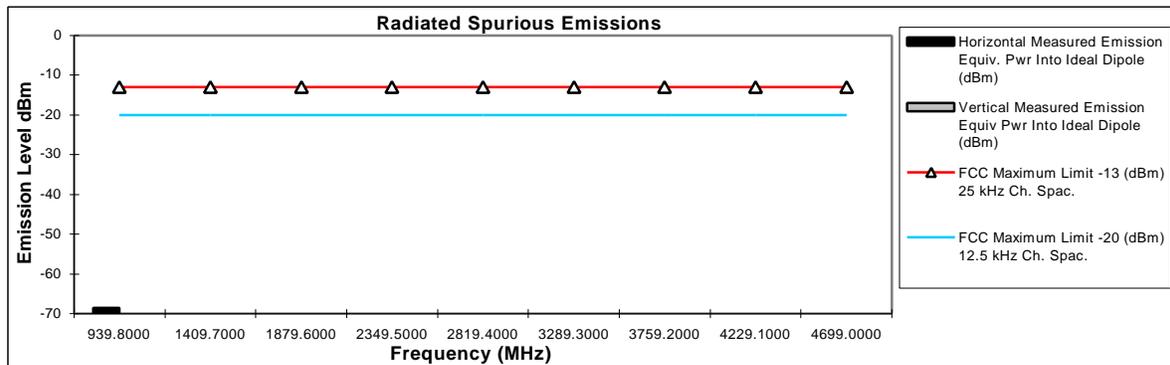
MOTOROLA INC.

TRANSMITTER SPURIOUS EMISSION CHARACTERISTIC
RADIATED SPURIOUS AND HARMONIC EMISSIONS

Transmitter Radiated Spurious Emissions: Waris Mobile UHF R1

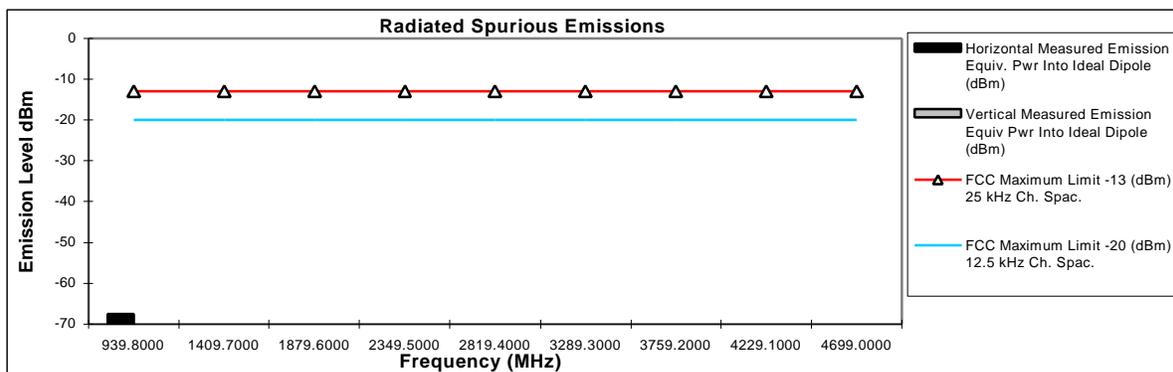
469.9 MHz - Low Power (1 W) - 12.5 kHz CH. Spacing

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
939.8000	-13	-20	-68.5	*
1409.7000	-13	-20	*	*
1879.6000	-13	-20	*	*
2349.5000	-13	-20	*	*
2819.4000	-13	-20	*	*
3289.3000	-13	-20	*	*
3759.2000	-13	-20	*	*
4229.1000	-13	-20	*	*
4699.0000	-13	-20	*	*



469.9 MHz - Low Power (1 W) - 25 kHz CH. Spacing

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
939.8000	-13	-20	-67.5	*
1409.7000	-13	-20	*	*
1879.6000	-13	-20	*	*
2349.5000	-13	-20	*	*
2819.4000	-13	-20	*	*
3289.3000	-13	-20	*	*
3759.2000	-13	-20	*	*
4229.1000	-13	-20	*	*
4699.0000	-13	-20	*	*



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

MOTOROLA INC.

CRYSTAL OSCILLATOR STABILITY CHARACTERISTIC
FREQUENCY vs. TEMPERATURE

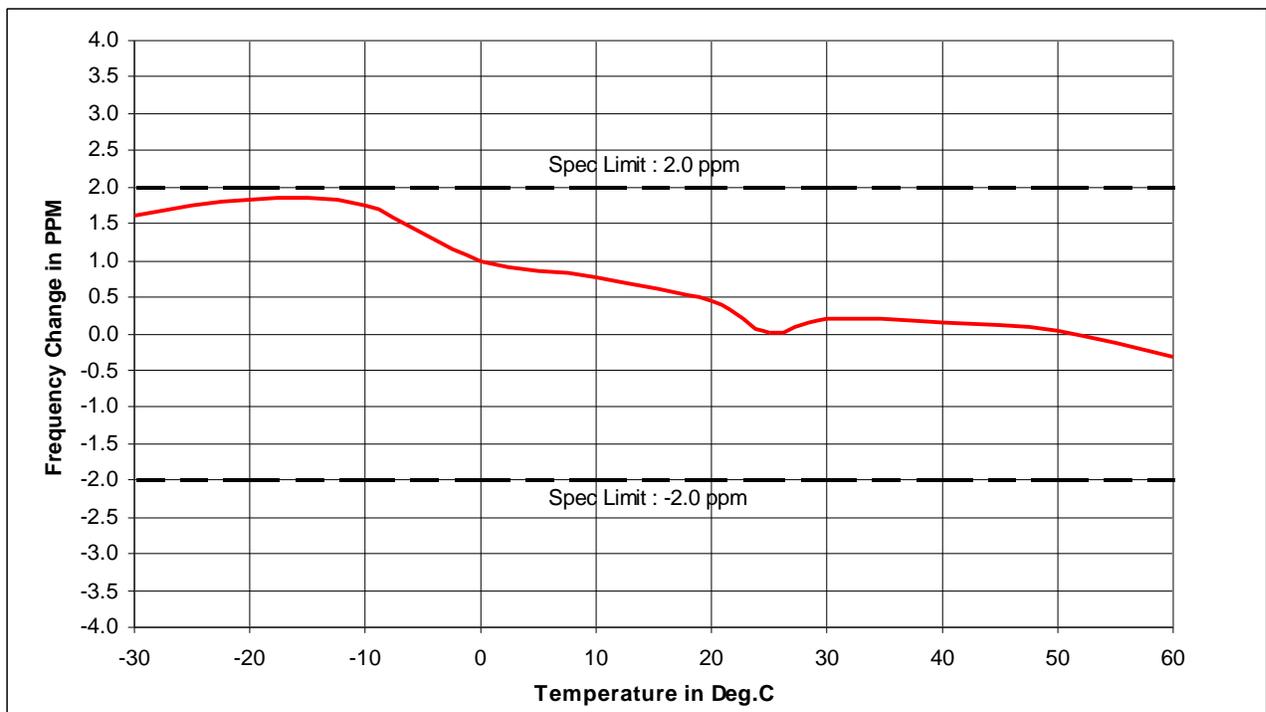
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

FREQ : 435.100 MHz.



MOTOROLA INC.

STABILITY CHARACTERISTIC
FREQUENCY vs. VOLTAGE

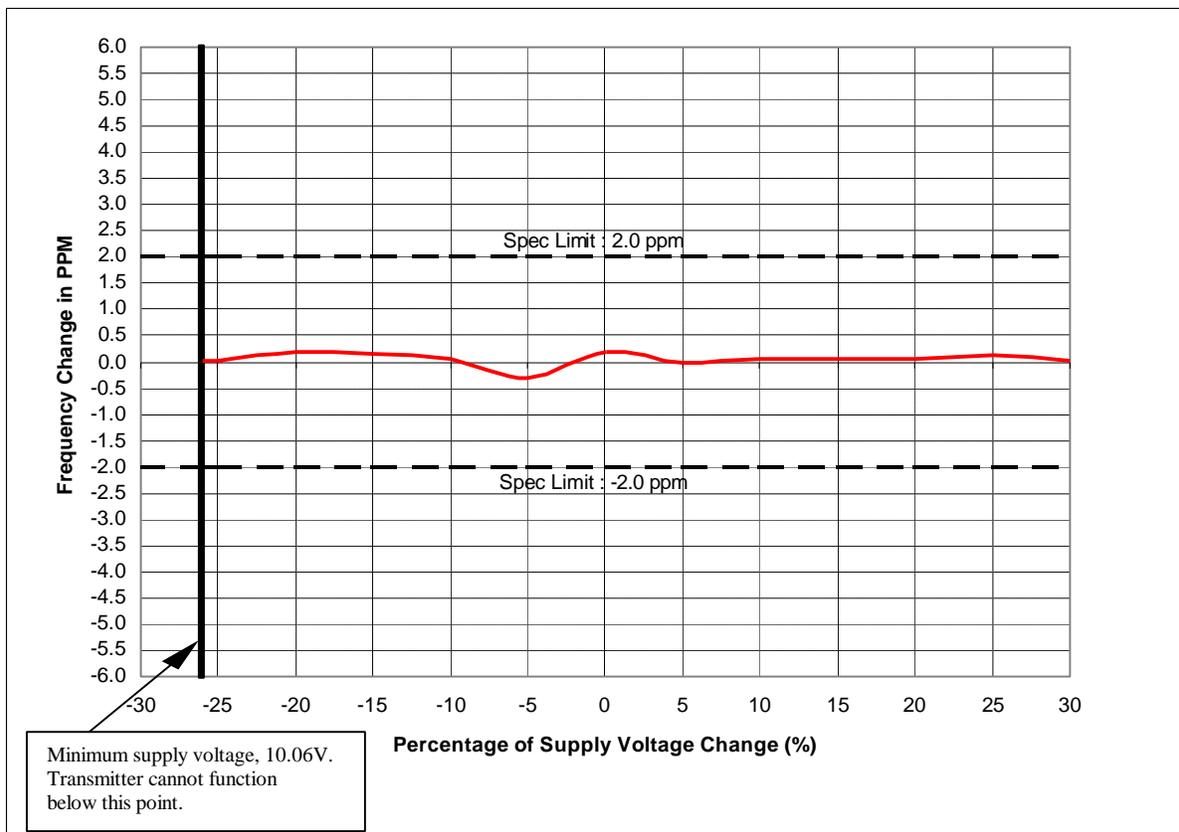
Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK WAn

FREQ : 435.100 MHz.



MOTOROLA INC.

TRANSIENT FREQUENCY BEHAVIOR

Xmtr Type : AZ492FT4835

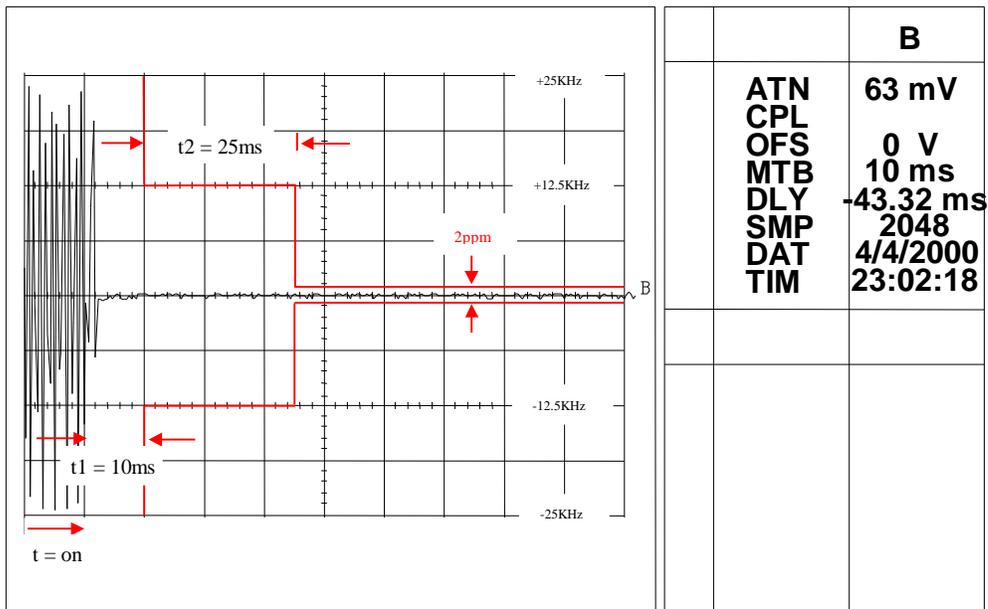
Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Power : 1W & 25W at 435.100 MHz
 Channel Spacing : 25 kHz.

Switch - On Condition



MOTOROLA INC.

TRANSIENT FREQUENCY BEHAVIOR

Xmtr Type : AZ492FT4835

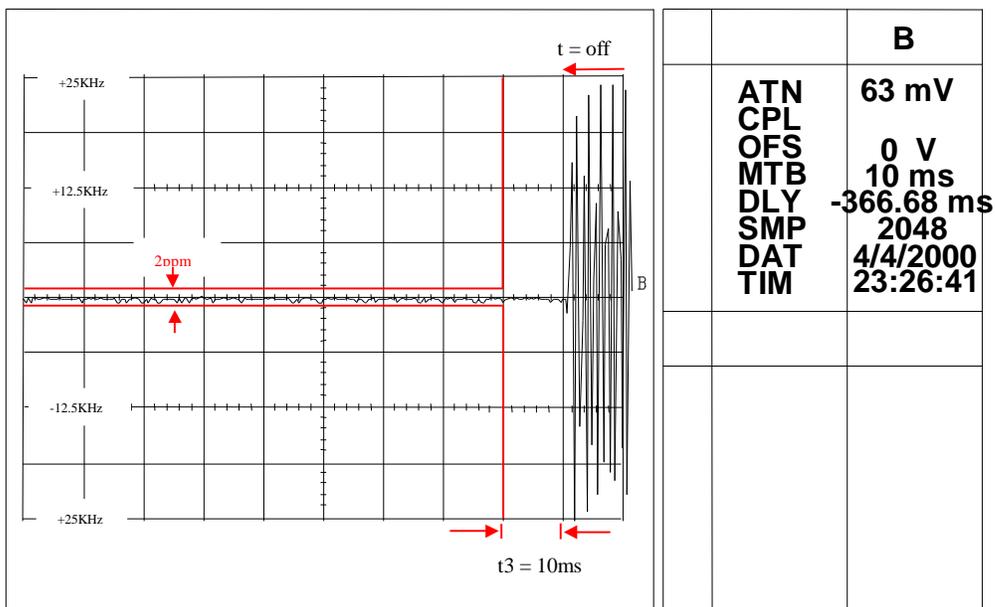
Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Power : 1W & 25W at 435.100 MHz.
 Channel Spacing : 25 kHz.

Switch - Off Condition



MOTOROLA INC.

TRANSIENT FREQUENCY BEHAVIOR

Xmtr Type : AZ492FT4835

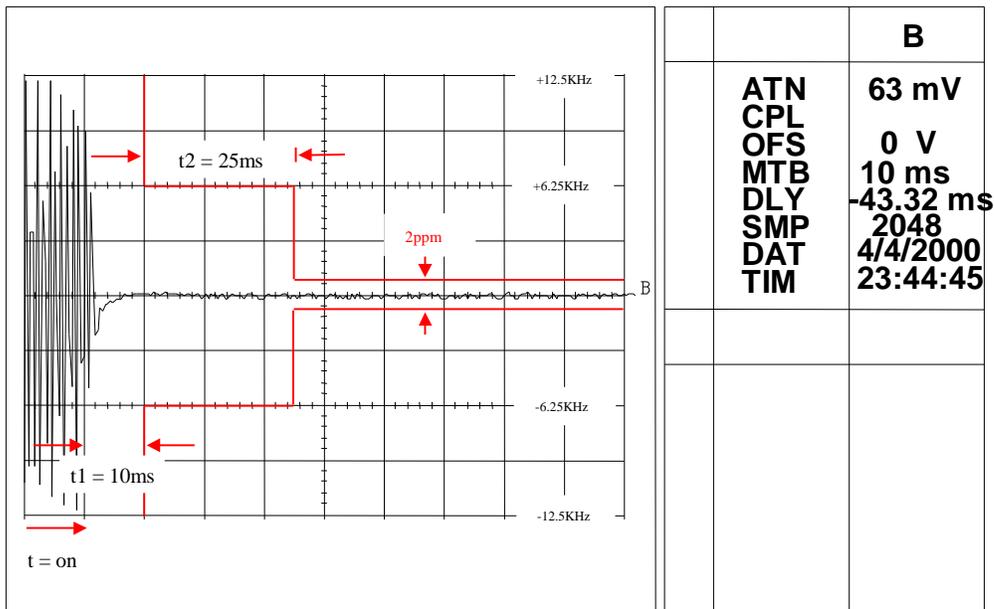
Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Power : 1W & 25W at 435.100 MHz
 Channel Spacing : 12.5 kHz.

Switch - On Condition



MOTOROLA INC.

TRANSIENT FREQUENCY BEHAVIOR

Xmtr Type : AZ492FT4835

Log Page : ---

Date : 4th April 2000

Signature : TK Wan

Power : 1W & 25W at 435.100 MHz.

Channel Spacing : 12.5 kHz.

Switch - Off Condition

