

ANNEX 1 - 99% OCCUPIED BANDWIDTH

MOBILE VHF/MARINE TRANSCEIVER, Model IC-M88

Plot # 1

FCC ID: AFJIC-M88



ICOM AMERICA

5W MARINE HANDHELD TRANSCEIVER (146-174MHz 5, 3 & 1 W, 12.5&25K CH SPACING) MODEL IC-M88.

TX CH: A4, FREQUENCY 146.025 MHz, OUTPUT POWER 37.2 dBm.
CH SPACING 12.5 KHz, MOD: FM, 2.5KHz SINE WAVE, FREQUENCY DEV: 1.7 KHz
99% OBW.

Date: Oct 07 2002

Tested By: Wayne

Plot #1

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

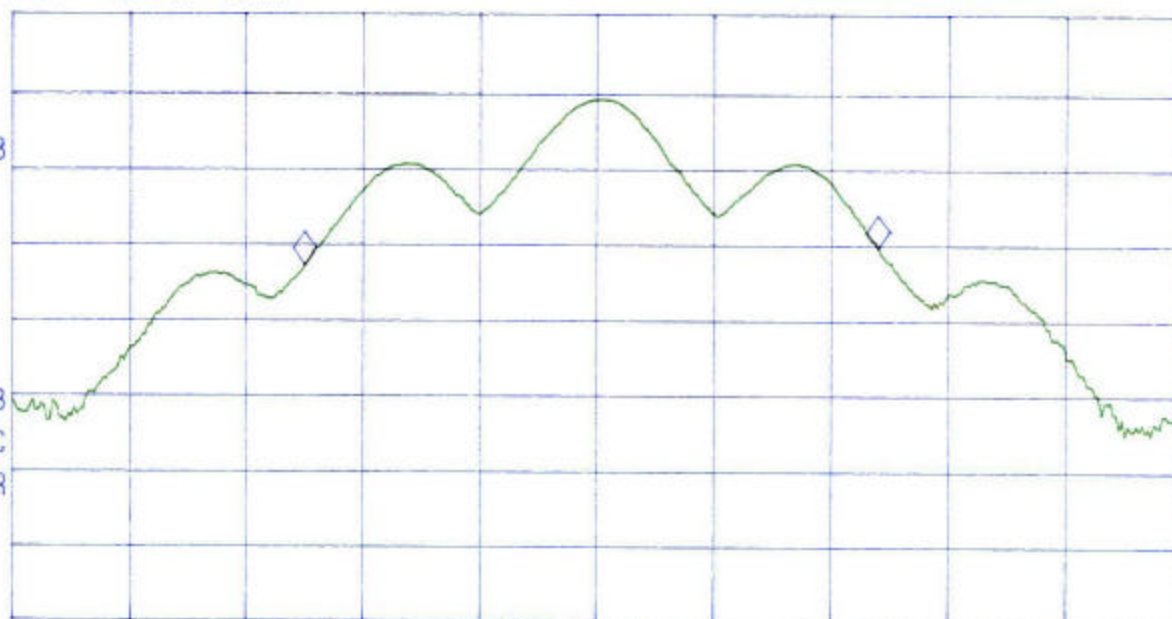
MKR 7.35 kHz

2.40 dB

REF OFFST 20.0 dB
LOG REF 47.0 dBm

10
dB/
ATN
40 dB

VA SB
SC FC
CORR



CENTER 146.02500 MHz

#IF BW 1.0 kHz

AVG BW 1 kHz

SPAN 15.00 kHz

SWP 300 msec

MOBILE VHF/MARINE TRANSCEIVER, Model IC-M88

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5W MARINE HANDHELD TRANSCEIVER (146-174MHz 5, 3 & 1 W, 12.5&25K CH
SPACING) MODEL IC-M88.

TX CH 45 FREQUENCY 160.025 MHz, OUTPUT POWER 37.1 dBm.
CH SPACING 12.5 KHz, MOD: FM, 2.5KHz SINE WAVE, FREQUENCY DEV: 1.7 KHz
99% OBW.

Date: Oct 07 2002
Tested By: Wayne

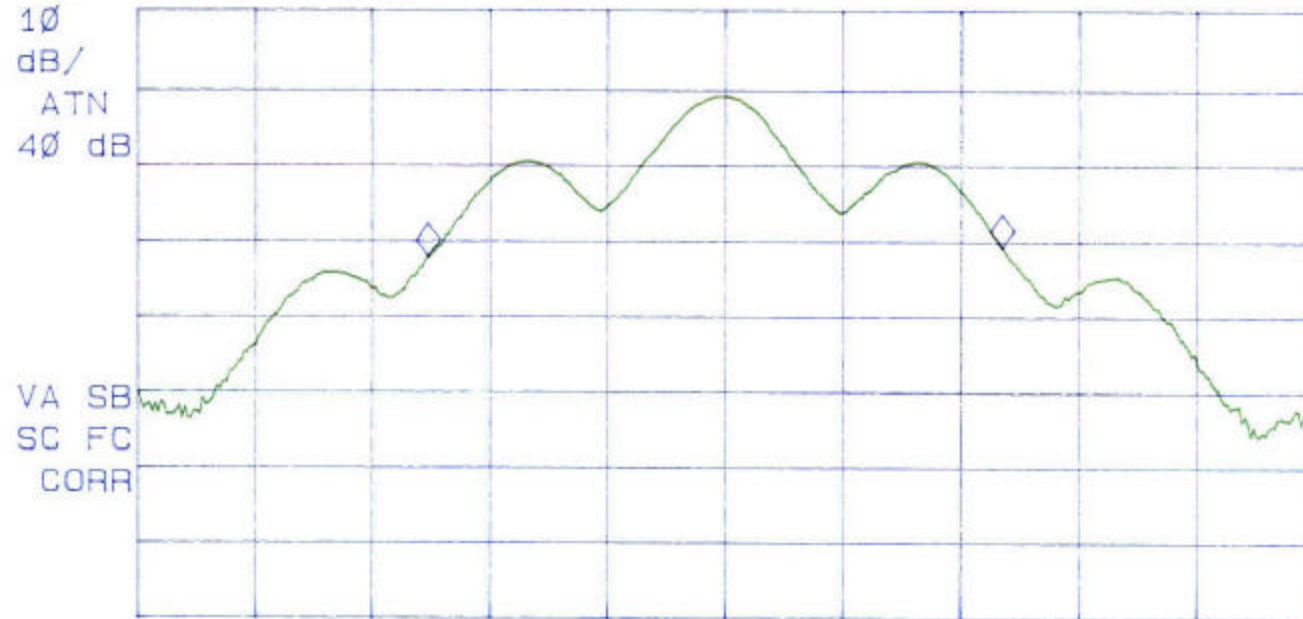
Tested By: Wayne

Plot # 2

MEAS DET: PEAK QP AVG

1.35 dB

10
dB/
ATN
40 dB



#IF BW 1.0 kHz

AVG BW 1 kHz

SWP 300 msec

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MOBILE VHF/MARINE TRANSCEIVER, Model IC-M88

Plot # 3

FCC ID: AFJIC-M88



ICOM AMERICA.

5W MARINE HANDHELD TRANSCEIVER (146-174MHz 5, 3 & 1 W, 12.5&25K CH SPACING) MODEL IC-M88.

TV CH: A6 FREQUENCY 173.975 MHz. OUTPUT POWER 36.74 dBm.
CH SPACING 12.5 KHz, MOD: FM, 2.5KHz SINE WAVE, FREQUENCY DEV: 1.71 KHz
99% OBW.

Date: Oct 07 2002

Tested By: Wayne

Plot #3

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

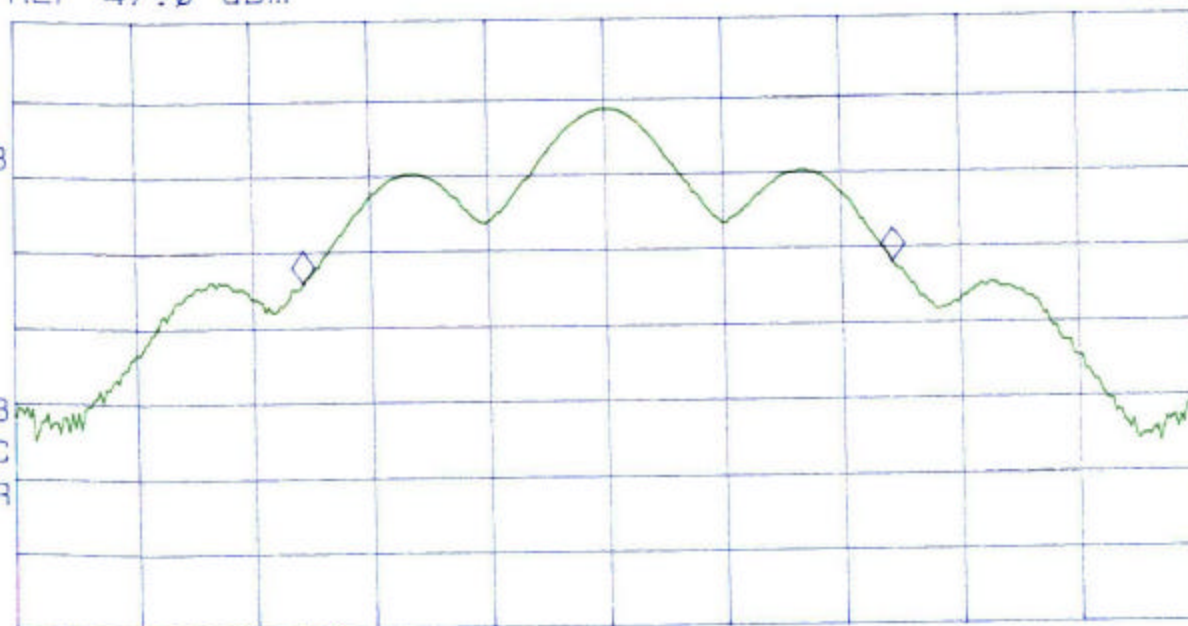
MKR 7.50 KHz

2.22 dB

LOG REF OFFST 20.0 dB
REF 47.0 dBm

10
dB/
ATN
40 dB

VA SB
SC FC
CORR



CENTER 173.97500 MHz

#IF BW 1.0 KHz

AVG BW 1 KHz

SPAN 15.00 KHz

SWP 300 msec

ANNEX 1 - 99% OCCUPIED BANDWIDTH

MOBILE VHF/MARINE TRANSCEIVER, Model IC-M88

Plot # 4

FCC ID: AFJIC-M88



hp

ICOM AMERICA.

5W MARINE HANDHELD TRANSCEIVER (146-174MHz 5, 3 & 1 W ,12.5&25K CH

SPACING) MODEL IC-M88.

TX CH: A1 FREQUENCY 146.025 MHz. OUTPUT POWER 37.2 dBm.

CH SPACING 25 KHz. MOD: FM, 2.5KHz SINE WAVE, FREQUENCY DEV: 3.43 KHz

99% OBW.

Date: Oct 07 2002

Tested By: Wayne

Plot #4

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 11.60 KHz

2.12 dB

REF OFFST 20.0 dB

LOG REF 47.0 dBm

10

dB/

ATN

40 dB

VA SB

SC FC

CORR

CENTER 146.02500 MHz

#IF BW 1.0 KHz

AVG BW 1 KHz

SPAN 20.00 KHz

SWP 300 msec

ANNEX 1 - 99% OCCUPIED BANDWIDTH

MOBILE VHF/MARINE TRANSCEIVER, Model IC-M88

Plot # 5

FCC ID: AFJIC-M88



ICOM AMERICA.

5W MARINE HANDHELD TRANSCEIVER (146-174MHz 5, 3 & 1 W ,12.5&25K CH

SPACING) MODEL IC-M88.

TX, CH A2 FREQUENCY 160.025 MHz. OUTPUT POWER 37.1 dBm.

CH SPACING 25 KHz, MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 3.43 KHz

99% OBW.

Date: Oct 07 2002

Tested By: Wayne

Plot #5

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 11.75 kHz

2.97 dB

REF OFFST 20.0 dB

LOG REF 47.0 dBm

10

dB/

ATN

40 dB

VA SB

SC FC

CORR

CENTER 160.02500 MHz

#IF BW 1.0 kHz

AVG BW 1 kHz

SPAN 20.00 kHz

SWP 300 msec

ANNEX 1 - 99% OCCUPIED BANDWIDTH

MOBILE VHF/MARINE TRANSCEIVER, Model IC-M88

Plot # 6

FCC ID: AFJIC-M88



ICOM AMERICA.

5W MARINE HANDHELD TRANSCEIVER (146-174MHz 5, 3 & 1 W ,12.5&25K CH SPACING) MODEL IC-M88.

TX CH A3 FREQUENCY 173.975 MHz. OUTPUT POWER 36.74 dBm.
CH SPACING 12.5 KHz. MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 3.43 KHz
99% OBW.

Date: Oct 07 2002

Tested By: Wayne

Plot # 6

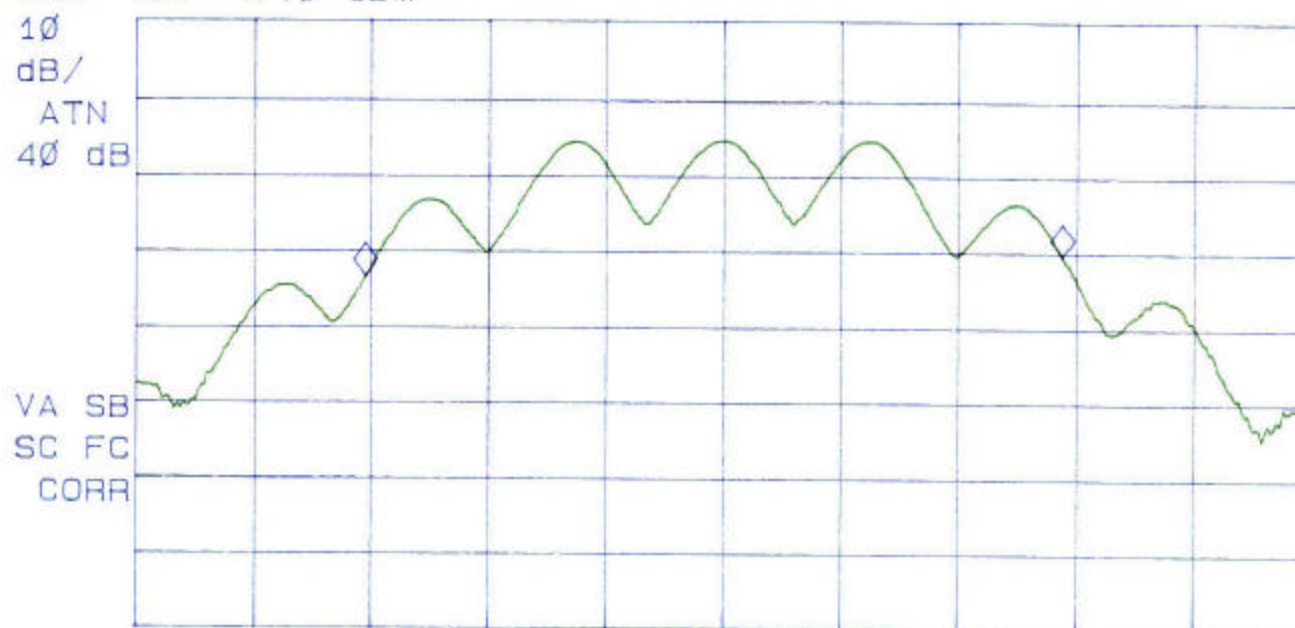
ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 11.85 KHz

2.89 dB

REF OFFST 20.0 dB
LOG REF 47.0 dBm



CENTER 173.97500 MHz

#IF BW 1.0 KHz

AVG BW 1 KHz

SPAN 20.00 KHz

SWP 300 msec

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MOBILE VHF/MARINE TRANSCEIVER, Model IC-M88

Plot # 7

FCC ID: AFJIC-M88



ICOM AMERICA.

5W MARINE HANDHELD TRANSCEIVER (146-174MHz 5, 3 & 1 W, 12.5&25K CH SPACING) MODEL IC-M88.

Tx CH: A4, FREQUENCY 146.025 MHz, OUTPUT POWER 37.2 dBm.
CH SPACING 12.5 KHz, MOD: FM, 2.5KHz SINE WAVE, FREQUENCY DEV: 3.71 KHz
99% OBW.
scrambler

Date: Oct 21 2002

Tested By: Wayne

Plot # 7

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 6.78 kHz

1.68 dB



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Plot # 8

FCC ID: AFJIC-M88



ICOM AMERICA.

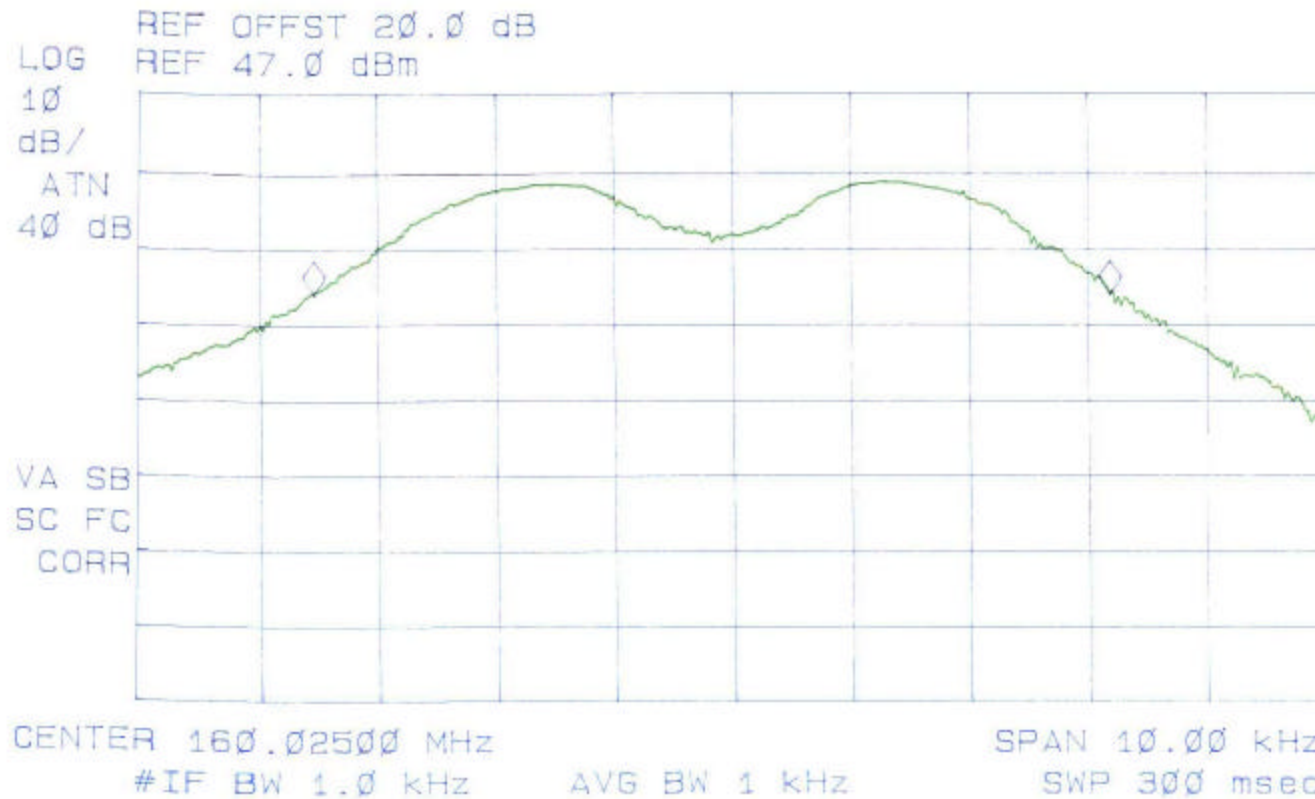
5W MARINE HANDHELD TRANSCEIVER (146-174MHz 5, 3 & 1 W, 12.5&25K CH SPACING) MODEL IC-M88.

TX CH: A5 FREQUENCY 160.025 MHz OUTPUT POWER 37.1 dBm.
CH SPACING 12.5 KHz, MOD : FM, 2.5KHz SINE WAVE, FREQUENCY DEV : 1.71 KHz.
99% OBW.

Date: Oct 21 2002
Tested By: Wayne

Plot # 8

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 6.73 KHz
-.09 dB



ANNEX 1 - 99% OCCUPIED BANDWIDTH

MOBILE VHF/MARINE TRANSCEIVER, Model IC-M88

Plot # 9

FCC ID: AFJIC-M88



ICOM AMERICA.

5W MARINE HANDHELD TRANSCEIVER (146-174MHz 5, 3 & 1 W, 12.5&25K CH SPACING) MODEL IC-M88.

TX CH: A6 FREQUENCY 173.975 MHz. OUTPUT POWER _____ dBm.
CH SPACING 12.5 KHz, MOD: FM, 2.5KHz SINE WAVE, FREQUENCY DEV: 1.77 KHz
99% OBW.

Date: Oct 21 2002
Tested By: Wayne

Plot # 9

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 6.78 kHz
1.48 dB



ANNEX 1 - 99% OCCUPIED BANDWIDTH

MOBILE VHF/MARINE TRANSCEIVER, Model IC-M88

Plot # 10

FCC ID: AFJIC-M88



ICOM AMERICA.

5W MARINE HANDHELD TRANSCEIVER (146-174MHz 5, 3 & 1 W, 12.5&25K CH SPACING) MODEL IC-M88.

CH: A1 FREQUENCY 146.025 MHz OUTPUT POWER 37.2 dBm.
CH SPACING 25 KHz, MOD: FM, 2.5KHz SINE WAVE, FREQUENCY DEV: 3.45 KHz
99% OBW, Scrambler

Date: Oct 21 2002

Tested By: Wayne

Plot 10

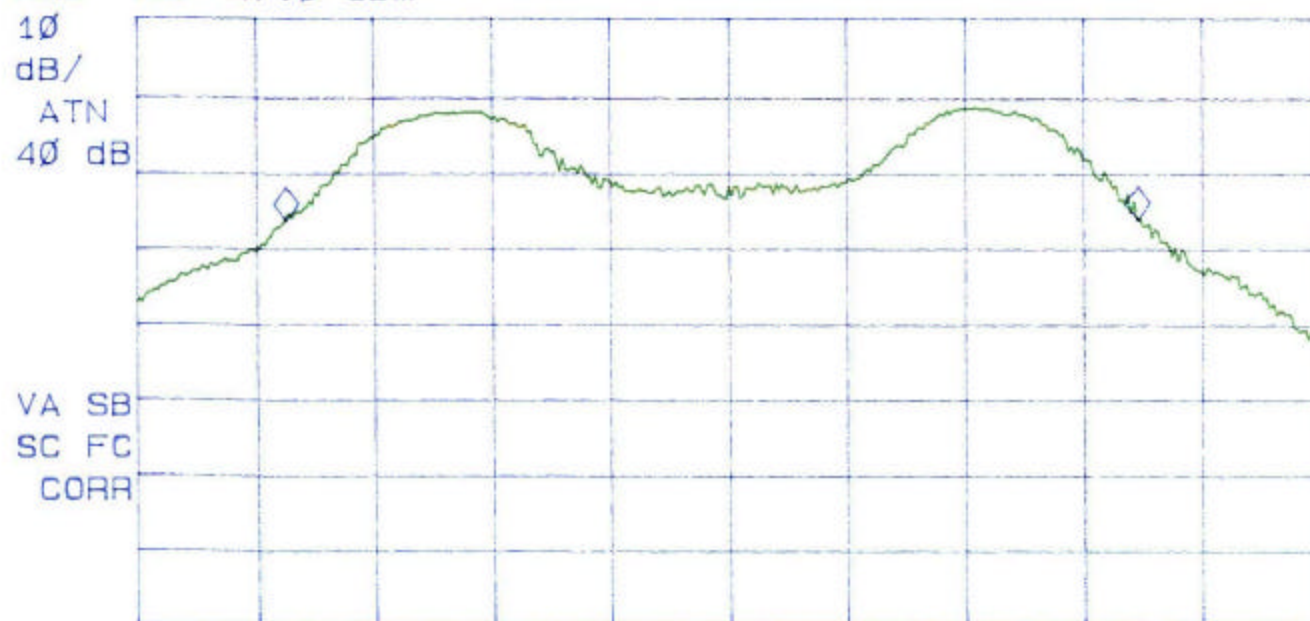
ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 10.80 KHz

.16 dB

REF OFFST 20.0 dB
LOG REF 47.0 dBm



CENTER 146.02500 MHz

#IF BW 1.0 KHz

AVG BW 1 KHz

SPAN 15.00 KHz

SWP 300 msec

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Plot # 11

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ICOM AMERICA.

5W MARINE HANDHELD TRANSCEIVER (146-174MHz 5, 3 & 1 W, 12.5&25K CH SPACING) MODEL IC-M88.

TX CH: A2 FREQUENCY 160.025 MHz. OUTPUT POWER 47.1 dBm.
CH SPACING 2.5 KHz, MOD: FM, 2.5KHz SINE WAVE, FREQUENCY DEV: 3.43 KHz
99% OBW, Scrambler

Date: Oct 21, 2002

Tested By: Wayne

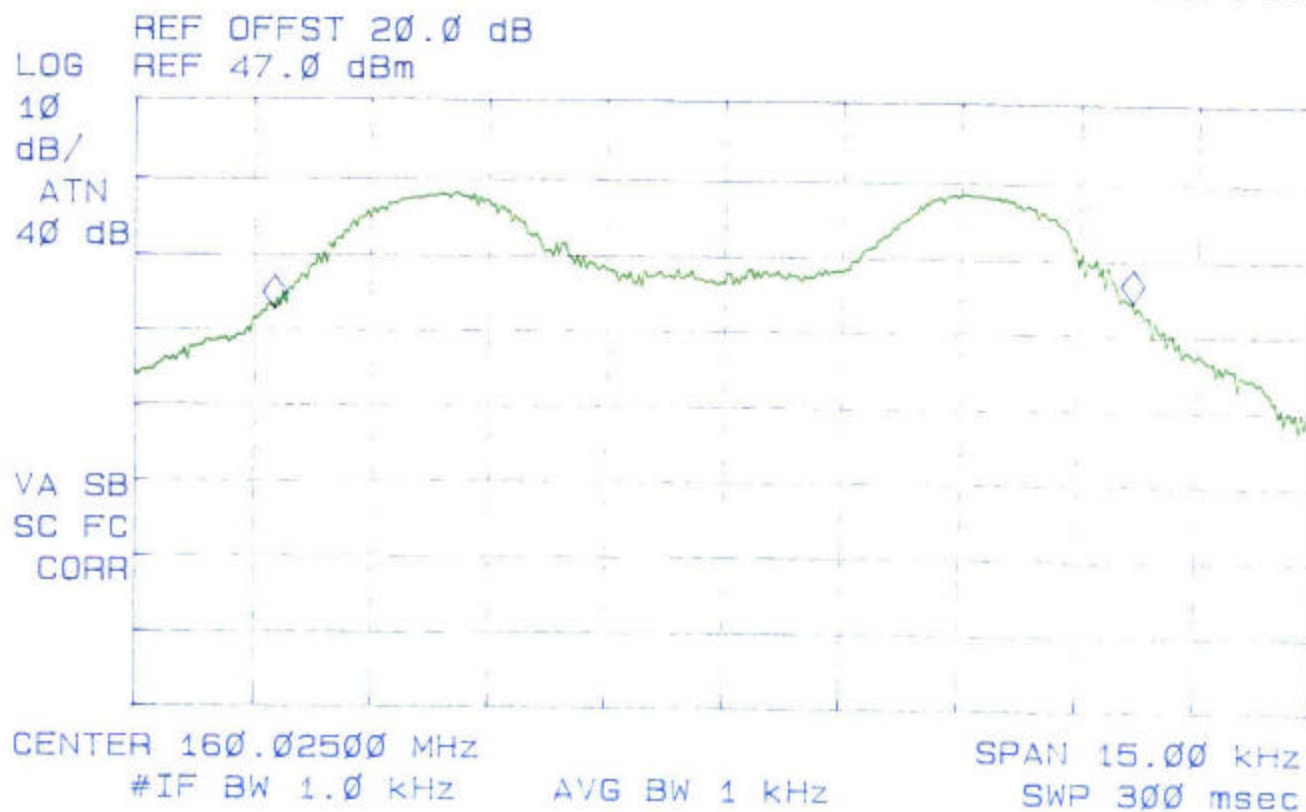
Plot 11

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 10.91 kHz

1.74 dB



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Plot # 12

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ICOM AMERICA.

5W MARINE HANDHELD TRANSCEIVER (146-174MHz 5, 3 & 1 W, 12.5&25K CH SPACING) MODEL IC-M88.

TX CH: A3, FREQUENCY 173.975 MHz, OUTPUT POWER 36.74 dBm, CH SPACING 25 KHz, MOD: FM, 2.5KHz SINE WAVE, FREQUENCY DEV: 3.43 KHz, 99% OBW, -Crambler

Date: Oct 21 2002

Tested By: Wayne

Plot 12

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 10.84 kHz

1.35 dB

