

ANNEX 1 - TEST DATA PLOTS

Plot # 1
 Occupied Bandwidth
 Carrier Frequency: 136.1 MHz
 Channel Spacing: 12.5 kHz
 Power: 50 W
 Modulation: FM with 2.5 kHz sine wave



ANNEX 1 - TEST DATA PLOTS

Plot # 2

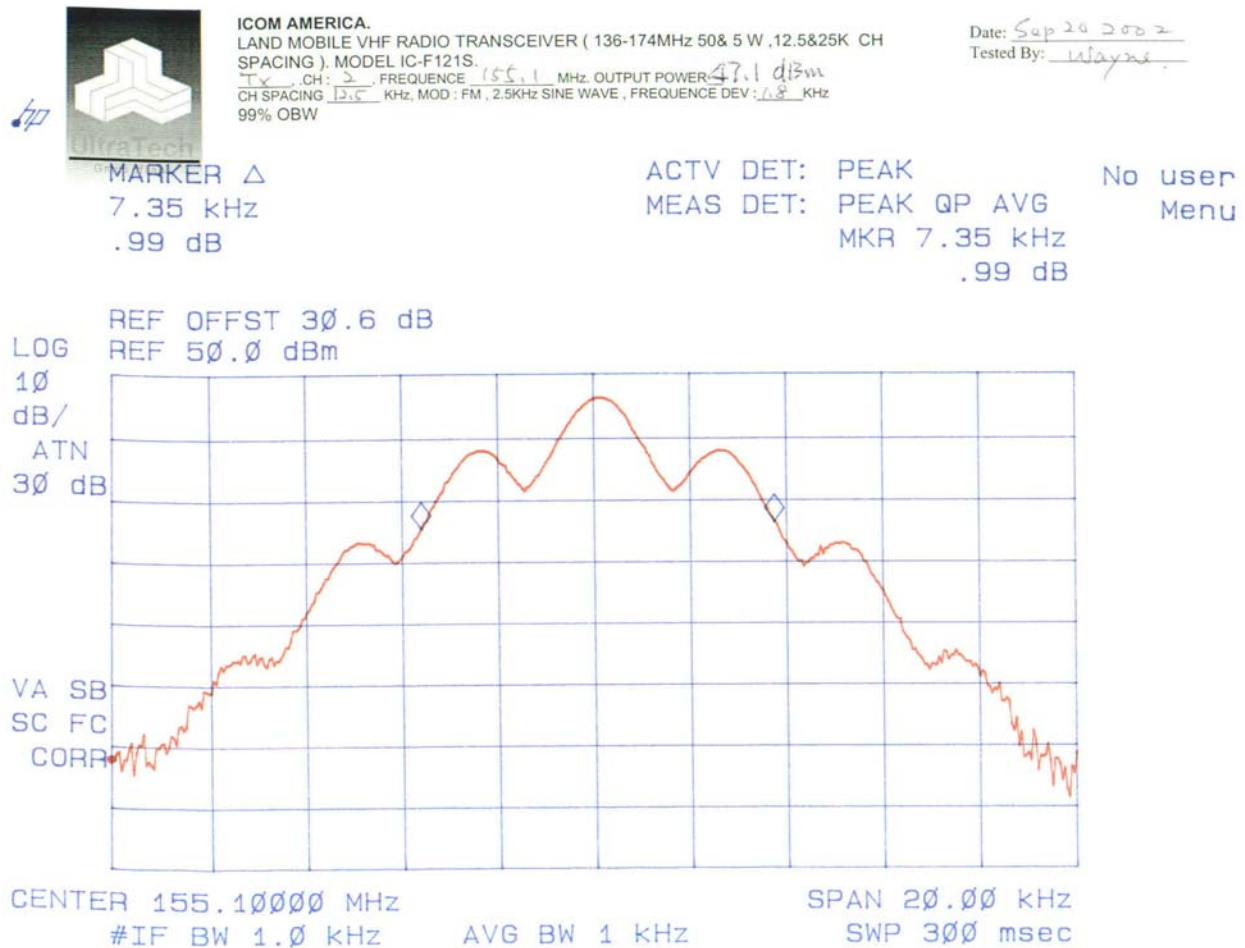
Occupied Bandwidth

Carrier Frequency: 155.1 MHz

Channel Spacing: 12.5 kHz

Power: 50 W

Modulation: FM with 2.5 kHz sine wave



ANNEX 1 - TEST DATA PLOTS

Plot # 3

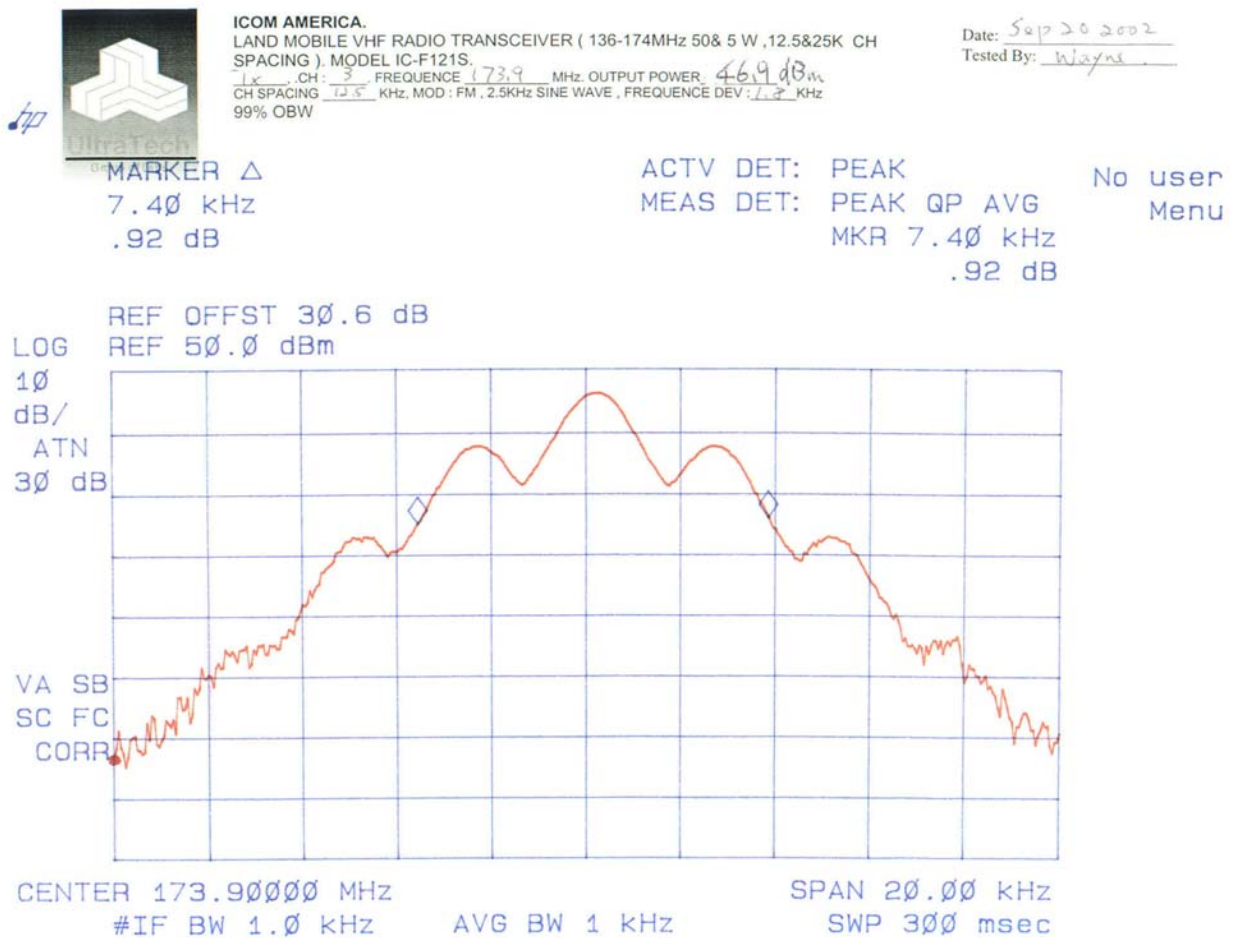
Occupied Bandwidth

Carrier Frequency: 173.9 MHz

Channel Spacing: 12.5 kHz

Power: 50 W

Modulation: FM with 2.5 kHz sine wave



ANNEX 1 - TEST DATA PLOTS

Plot # 4

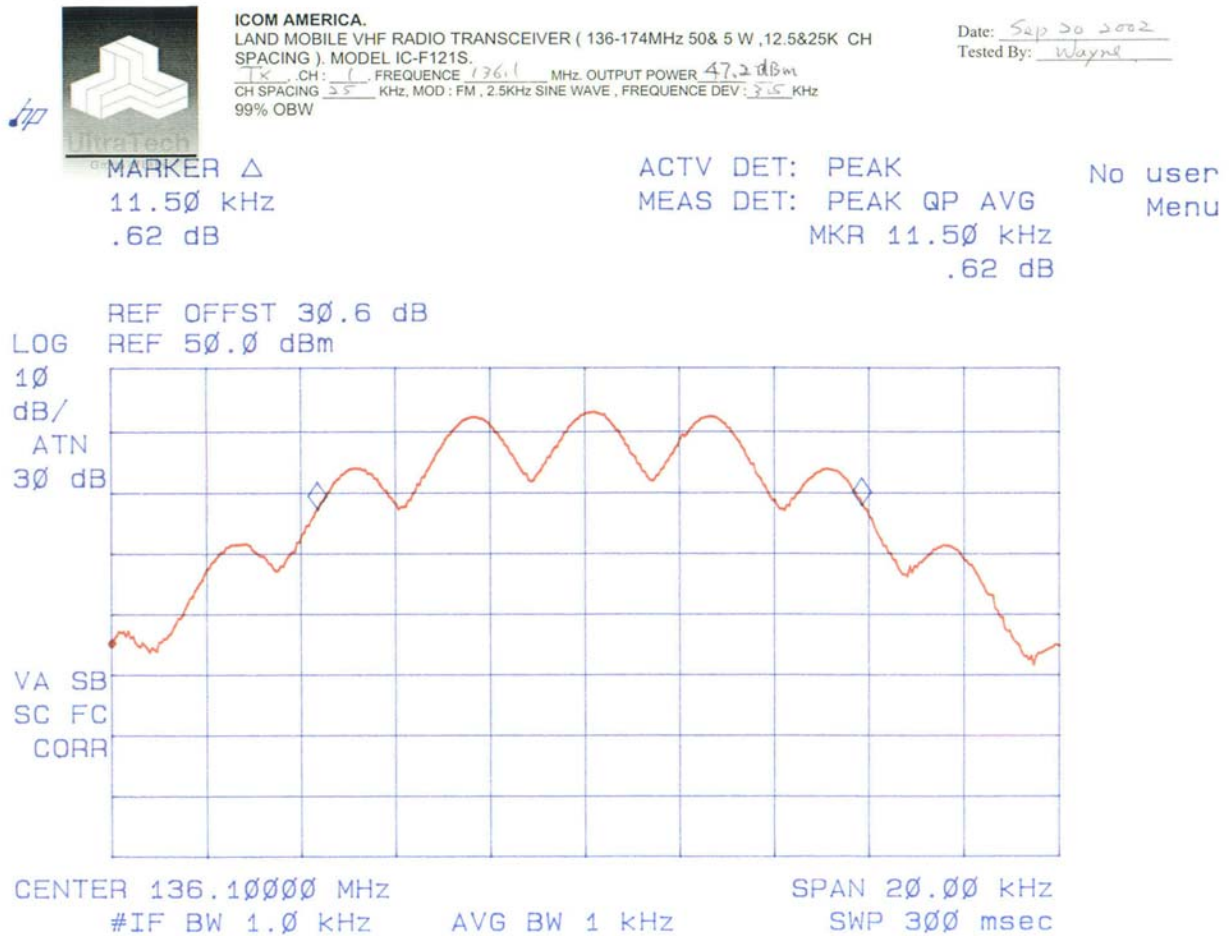
Occupied Bandwidth

Carrier Frequency: 136.1 MHz

Channel Spacing: 25 kHz

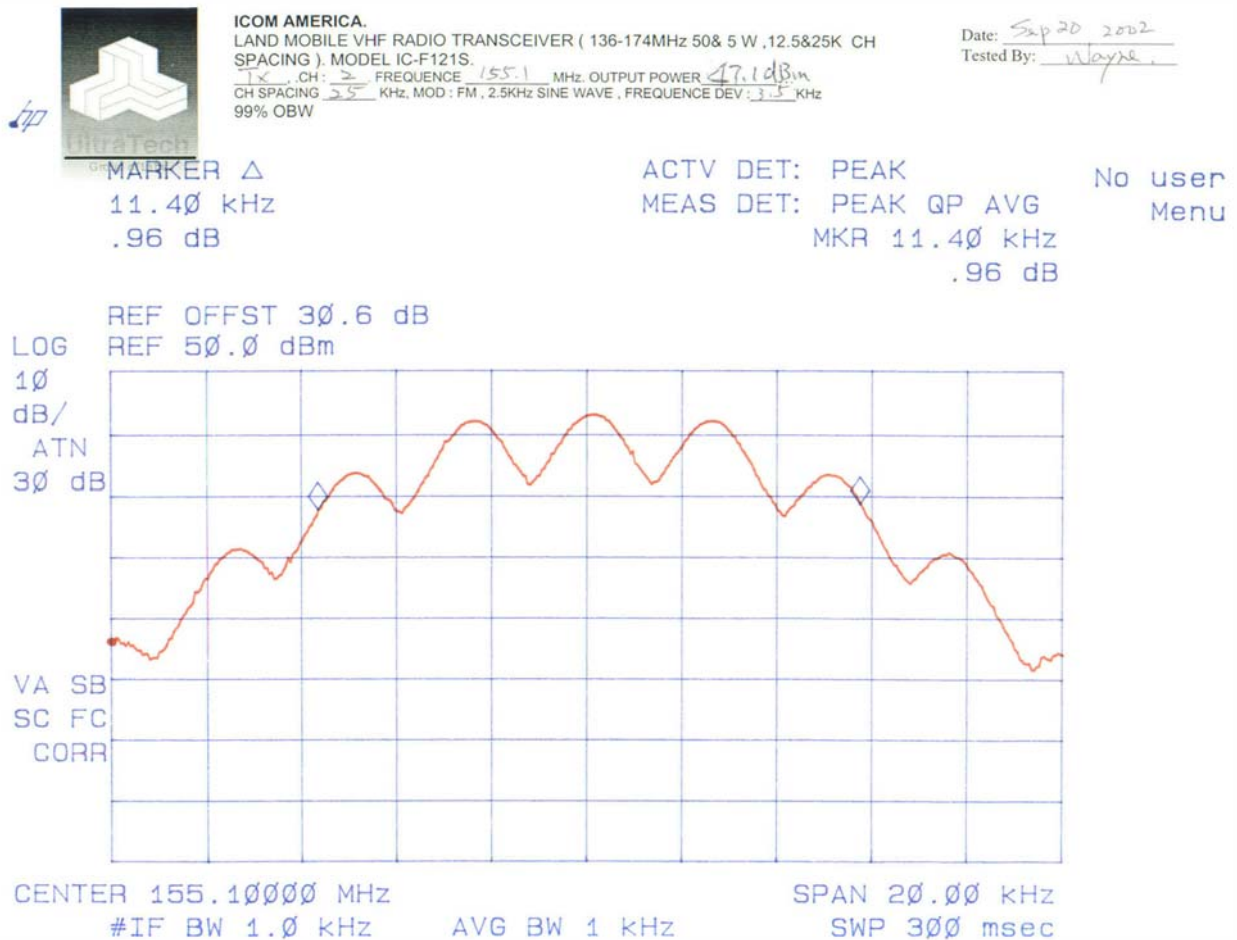
Power: 50 W

Modulation: FM with 2.5 kHz sine wave



ANNEX 1 - TEST DATA PLOTS

Plot # 5
 Occupied Bandwidth
 Carrier Frequency: 155.1 MHz
 Channel Spacing: 25 kHz
 Power: 50 W
 Modulation: FM with 2.5 kHz sine wave



ANNEX 1 - TEST DATA PLOTS

Plot # 6

Occupied Bandwidth

Carrier Frequency: 173.9 MHz

Channel Spacing: 25 kHz

Power: 50 W

Modulation: FM with 2.5 kHz sine wave



ANNEX 1 - TEST DATA PLOTS

Plot # 7

Emission Mask B

Carrier Frequency: 136.1 MHz

Channel Spacing: 25 kHz

Power: 5 W

Modulation: FM with 2.5 kHz sine wave



ICOM AMERICA.

LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50 & 5 W ,12.5&25K CH SPACING) MODEL IC-F121S.

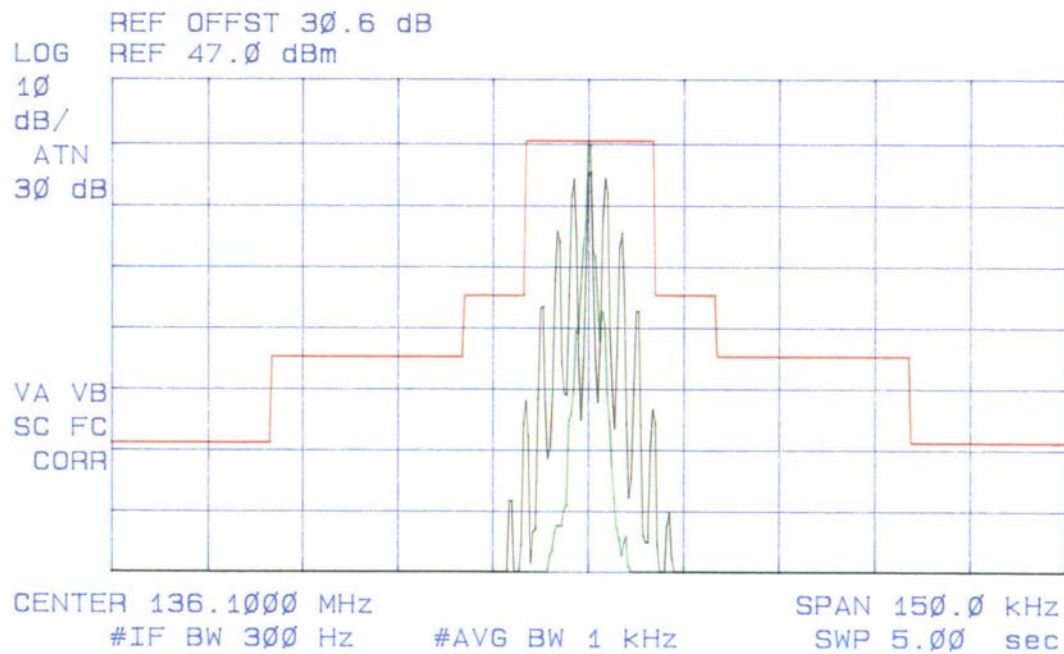
Tx CH: 5 FREQUENCY 136.1 MHz. OUTPUT POWER 37.0 dBm.
CH SPACING 25 KHz. MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 3.5 KHz
EMISSION MASK B

Date: Sep 23 2002

Tested By: Wayne

ACTV DET: PEAK

MEAS DET: PEAK QP AVG



ANNEX 1 - TEST DATA PLOTS

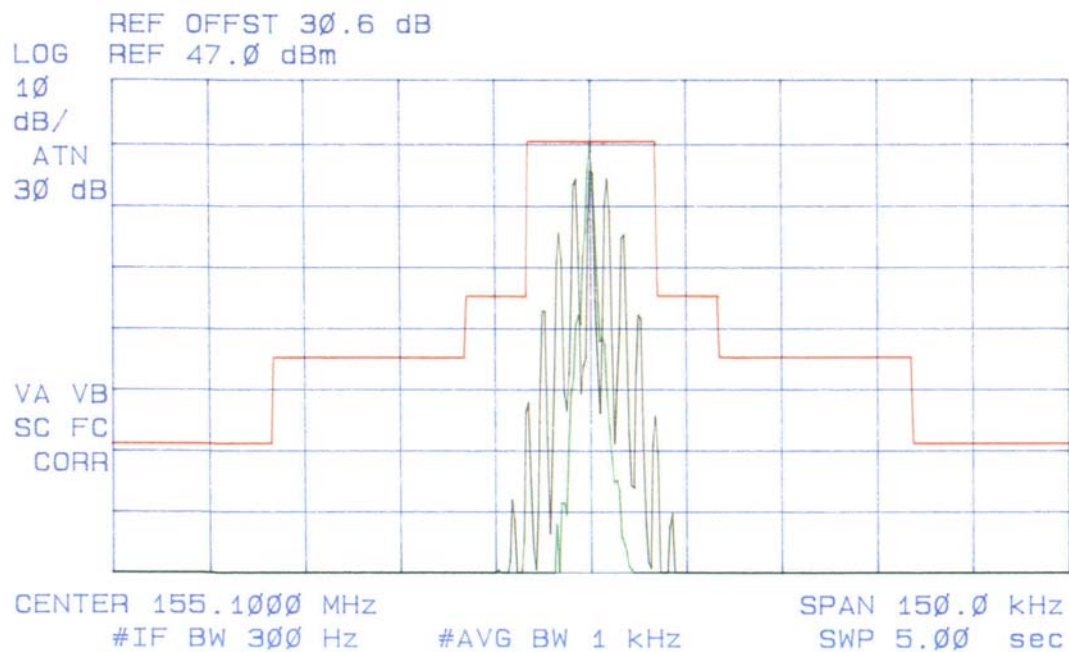
Plot # 8
 Emission Mask B
 Carrier Frequency: 155.1 MHz
 Channel Spacing: 25 kHz
 Power: 5 W
 Modulation: FM with 2.5 kHz sine wave



ICOM AMERICA.
 LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50 & 5 W ,12.5&25K CH
 SPACING) MODEL IC-F121S.
 CH : 9 , FREQUENCY 155.1 MHz, OUTPUT POWER 37.2 dBm.
 CH SPACING 25 KHz, MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 3.6 KHz
 EMISSION MASK B

Date: Sep 23 2002
 Tested By: Wayne

ACTV DET: PEAK
 MEAS DET: PEAK QP AVG



ANNEX 1 - TEST DATA PLOTS

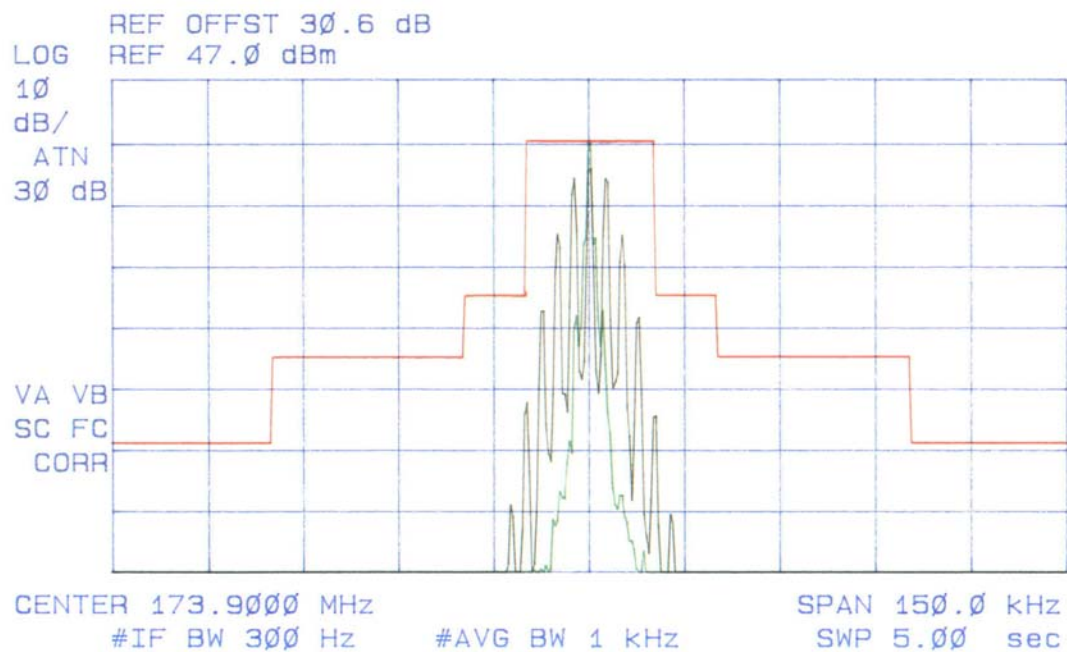
Plot # 9
Emission Mask B
Carrier Frequency: 173.9 MHz
Channel Spacing: 25 kHz
Power: 5 W
Modulation: FM with 2.5 kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50 & 5 W ,12.5&25K CH
SPACING) MODEL IC-F121S.
IC CH: 7, FREQUENCY 173.9 MHz, OUTPUT POWER 37.3 dBm.
CH SPACING 25 KHz, MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 3.5 KHz
EMISSION MASK B

Date: Sep 23 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG



ANNEX 1 - TEST DATA PLOTS

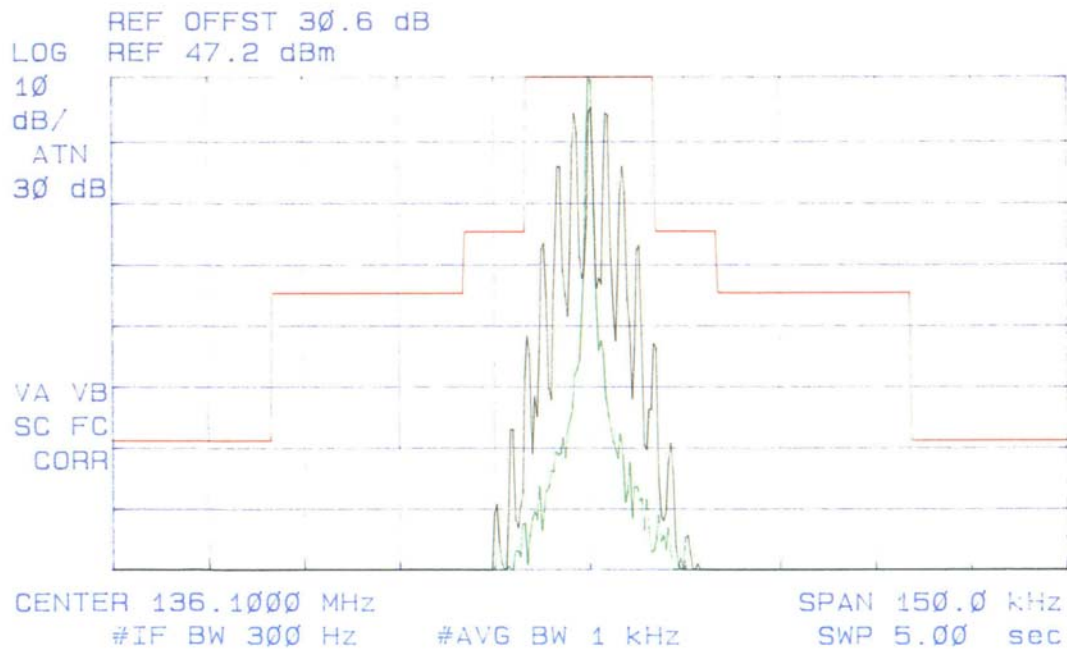
Plot # 10
Emission Mask B
Carrier Frequency: 136.1 MHz
Channel Spacing: 25 kHz
Power: 50 W
Modulation: FM with 2.5 kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50 & 5 W ,12.5&25K CH
SPACING) MODEL IC-F121S.
Tx CH: 1 FREQUENCY 136.1 MHz OUTPUT POWER 47.2 dBm.
CH SPACING 25 KHz. MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 3.5 KHz
EMISSION MASK B

Date: Sep 23 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG



ANNEX 1 - TEST DATA PLOTS

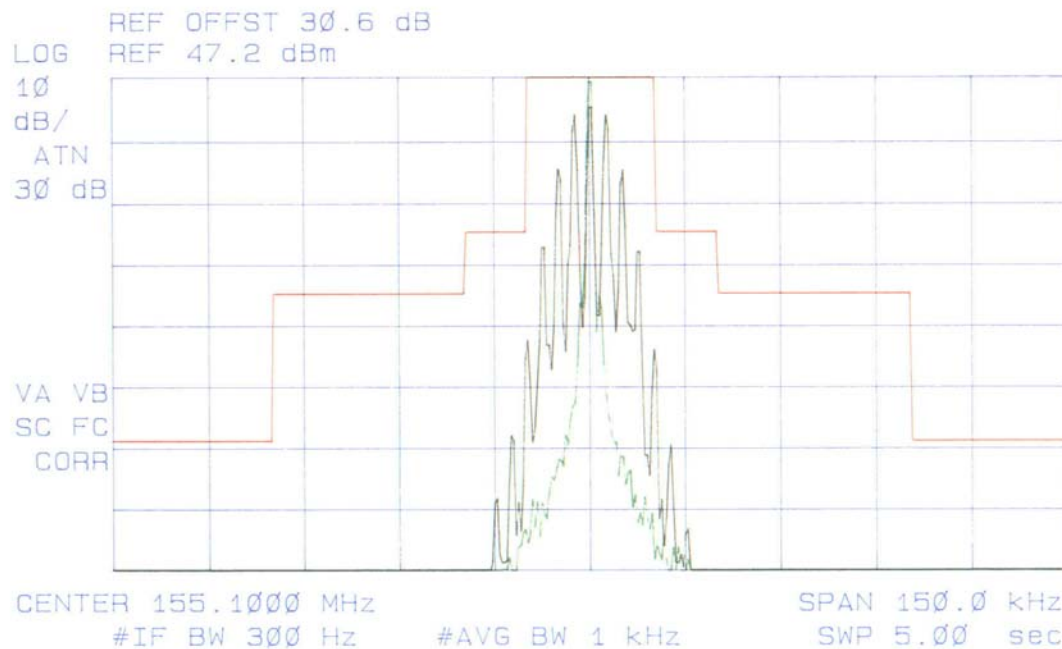
Plot # 11
Emission Mask B
Carrier Frequency: 155.1 MHz
Channel Spacing: 25 kHz
Power: 50 W
Modulation: FM with 2.5 kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50 & 5 W ,12.5&25K CH
SPACING) MODEL IC-F121S.
Tx CH: 2 FREQUENCY 155.1 MHz OUTPUT POWER 47.1 dBm.
CH SPACING 25 kHz, MOD : FM , 2.5kHz SINE WAVE , FREQUENCY DEV : 3.5 kHz
EMISSION MASK B

Date: Sep 23 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG



ANNEX 1 - TEST DATA PLOTS

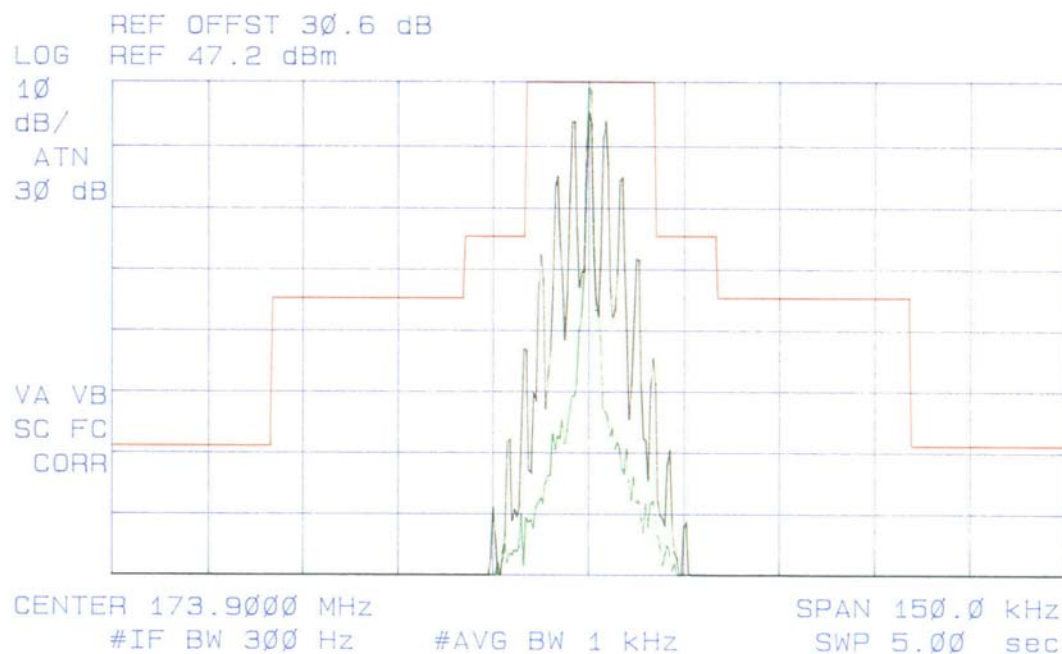
Plot # 12
Emission Mask B
Carrier Frequency: 173.9 MHz
Channel Spacing: 25 kHz
Power: 50 W
Modulation: FM with 2.5 kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50 & 5 W ,12.5&25K CH
SPACING) MODEL IC-F121S.
Tx CH: 3, FREQUENCY 173.9 MHz, OUTPUT POWER 46.9 dBm.
CH SPACING 25 KHz, MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 3.5 KHz
EMISSION MASK B

Date: Sep 23 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG



ANNEX 1 - TEST DATA PLOTS

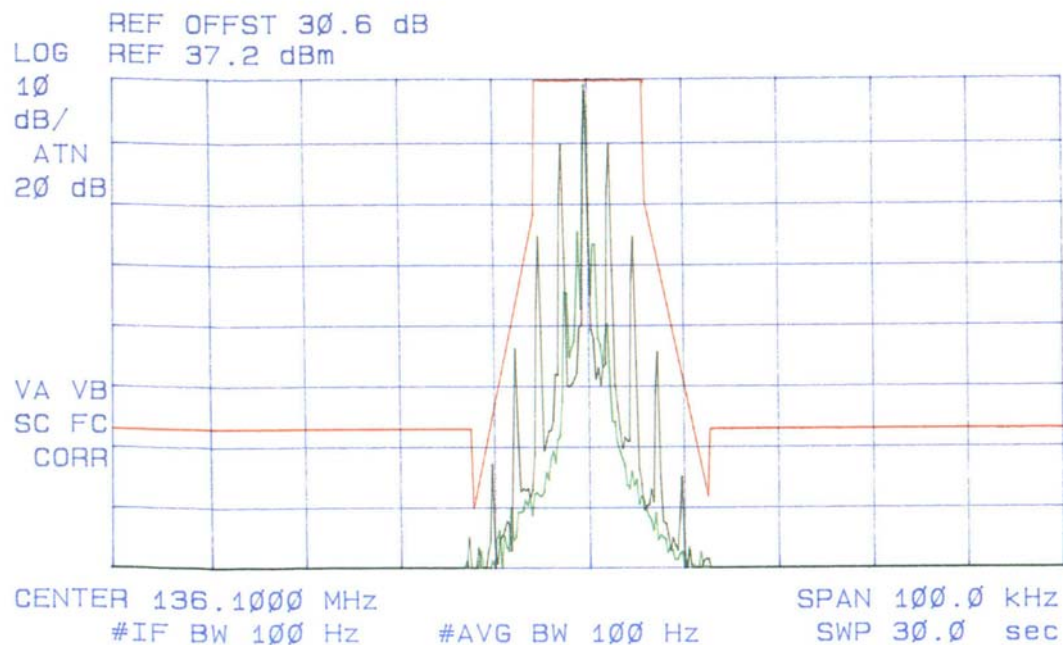
Plot # 13
Emission Mask D
Carrier Frequency: 136.1 MHz
Channel Spacing: 12.5 kHz
Power: 5 W
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50 & 5 W ,12.5&25K CH
SPACING) MODEL IC-F121S.
TV, CH: 5, FREQUENCY 136.1 MHz, OUTPUT POWER 37.0 dBm.
CH SPACING 12.5 KHz, MOD: FM, 2.5KHz SINE WAVE, FREQUENCY DEV: 7.8 KHz
EMISSION MASK D

Date: Sep 23 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG



ANNEX 1 - TEST DATA PLOTS

Plot # 14

Emission Mask D

Carrier Frequency: 155.1 MHz

Channel Spacing: 12.5 kHz

Power: 5 W

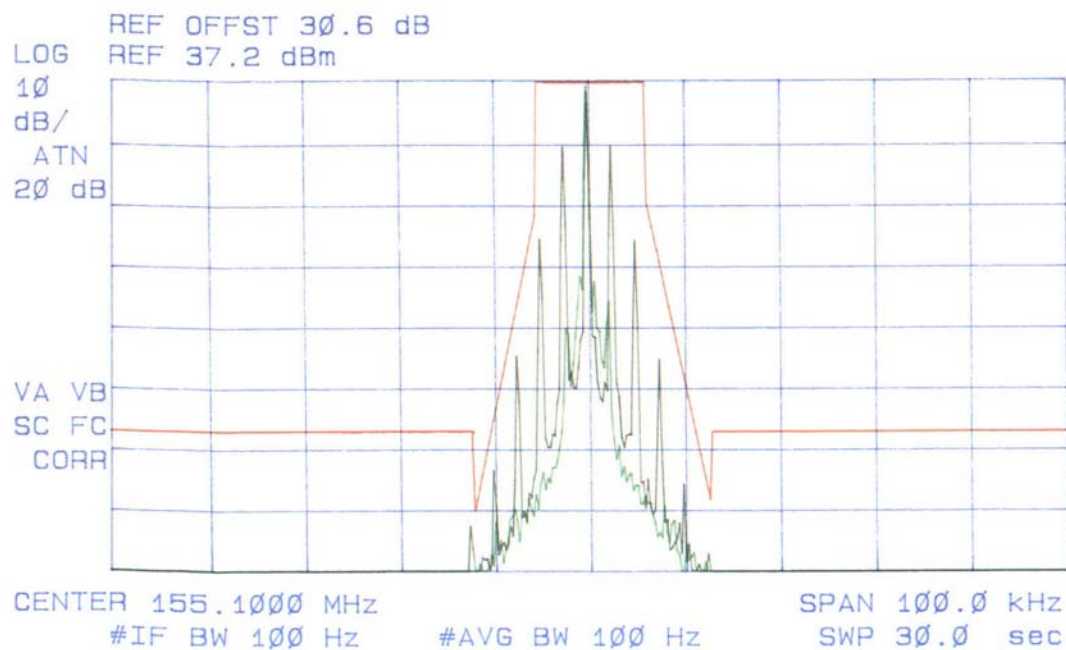
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50 & 5 W , 12.5&25K CH
SPACING) MODEL IC-F121S.
Tx CH : 6 FREQUENCY 155.1 MHz. OUTPUT POWER 37.2 dBm.
CH SPACING 12.5 KHz. MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 1.8 KHz
EMISSION MASK D

Date: Sep 23 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG



ANNEX 1 - TEST DATA PLOTS

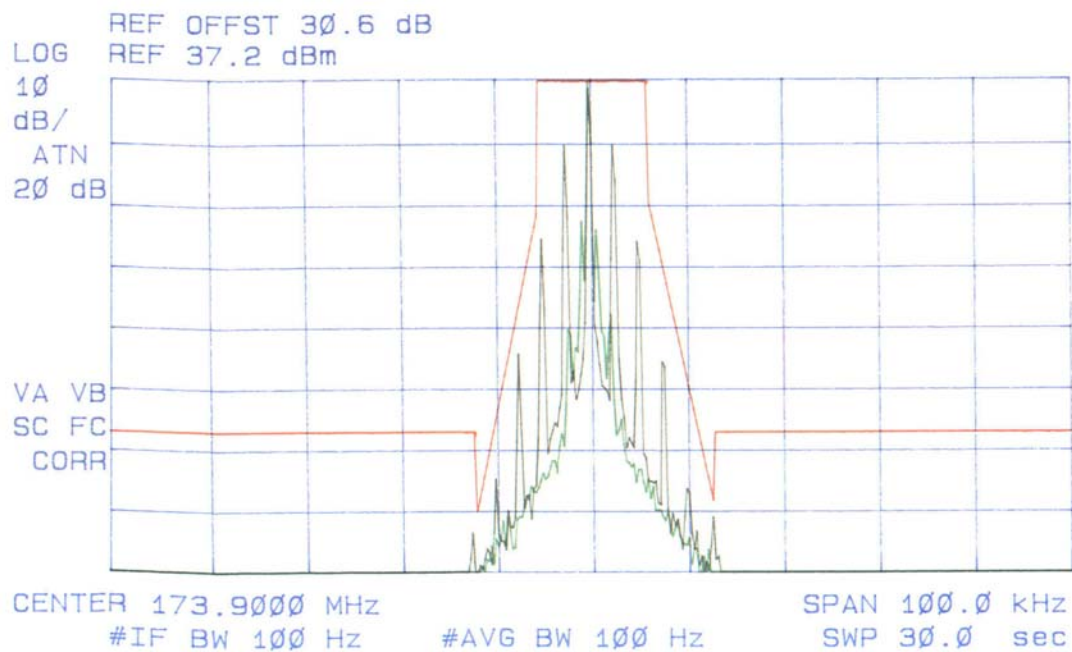
Plot # 15
Emission Mask D
Carrier Frequency: 173.9 MHz
Channel Spacing: 12.5 kHz
Power: 5 W
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50 & 5 W ,12.5&25K CH
SPACING) MODEL IC-F121S.
TV , CH : 7 , FREQUENCY 173.9 MHz, OUTPUT POWER 37.3 dBm.
CH SPACING 12.5 KHz, MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 1.9 KHz
EMISSION MASK D

Date: Sep 23 2022
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG



ANNEX 1 - TEST DATA PLOTS

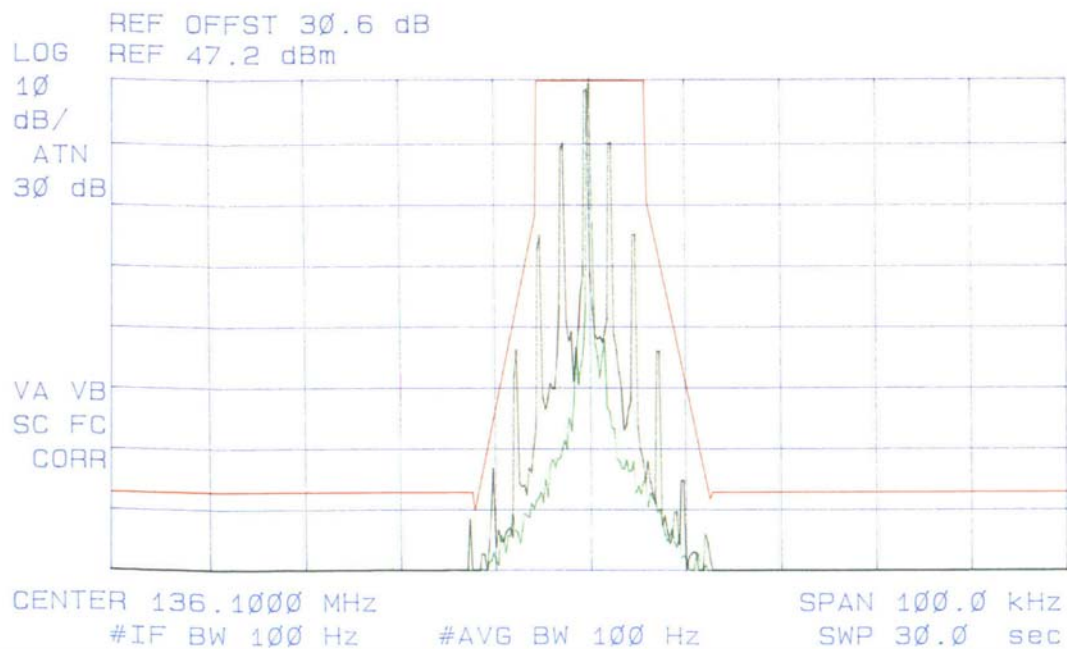
Plot # 16
Emission Mask D
Carrier Frequency: 136.1 MHz
Channel Spacing: 12.5 kHz
Power: 50 W
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50 & 5 W ,12.5&25K CH
SPACING) MODEL IC-F121S.
TV CH: 1 FREQUENCY 136.1 MHz OUTPUT POWER 47.2 dBm.
CH SPACING 12.5 KHz, MOD: FM, 2.5KHz SINE WAVE, FREQUENCY DEV: 1.5 KHz
EMISSION MASK D

Date: Sep 23 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG



ANNEX 1 - TEST DATA PLOTS

Plot # 17

Emission Mask D

Carrier Frequency: 155.1 MHz

Channel Spacing: 12.5 kHz

Power: 50 W

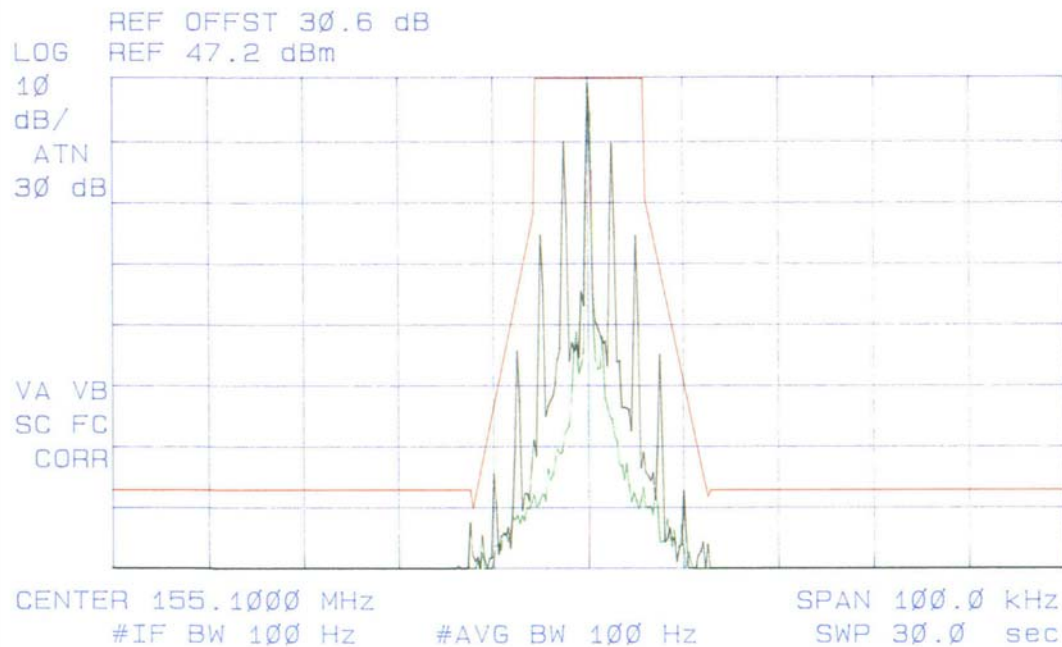
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50 & 5 W ,12.5&25K CH
SPACING) MODEL IC-F121S.
Tx, CH: 2, FREQUENCY 155.1 MHz, OUTPUT POWER 47.1 dBm.
CH SPACING 12.5 KHz, MOD: FM, 2.5KHz SINE WAVE, FREQUENCY DEV: 1.9 KHz
EMISSION MASK D

Date: Sep 23 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG



ANNEX 1 - TEST DATA PLOTS

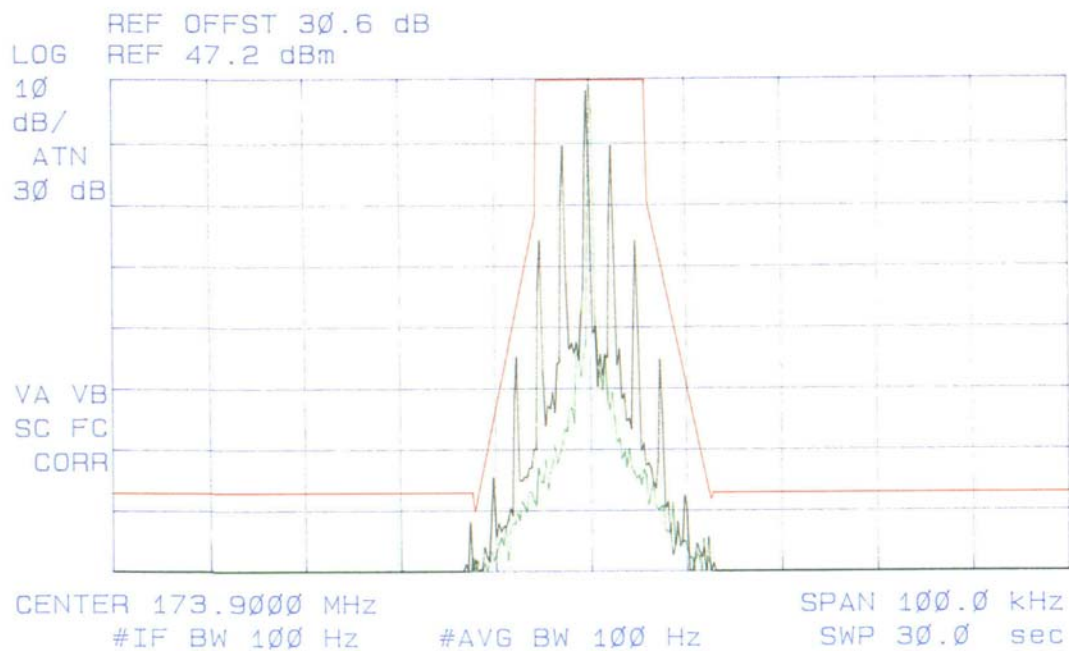
Plot # 18
Emission Mask D
Carrier Frequency: 173.9 MHz
Channel Spacing: 12.5 kHz
Power: 50 W
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50 & 5 W ,12.5&25K CH
SPACING) MODEL IC-F121S.
Tx CH: 3 FREQUENCY 173.9 MHz OUTPUT POWER 46.9 dBm.
CH SPACING 12.5 KHz, MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV: 1.8 KHz
EMISSION MASK D

Date: Sep 23 2022
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG



ANNEX 1 - TEST DATA PLOTS

Plot # 19

Spurious Emissions at Antenna Terminals

Carrier Frequency: 136.1 MHz

Channel Spacing: 12.5 kHz

Power: 47.2 dBm

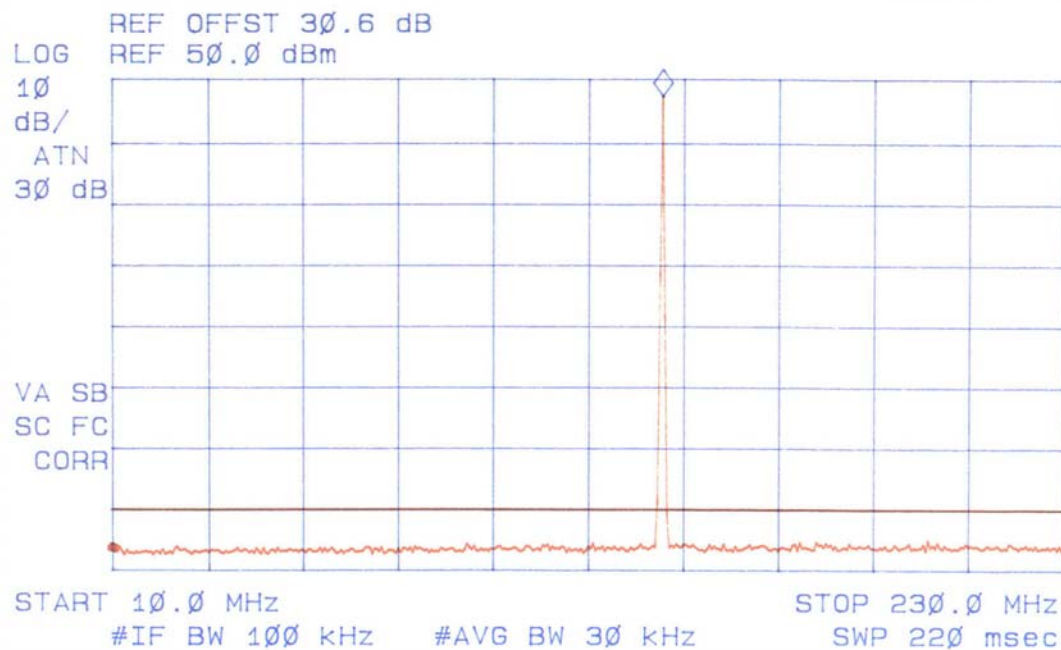
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50& 5 W ,12.5&25K CH
SPACING). MODEL IC-F121S.
Tx CH: 1 FREQUENCY 136.1 MHz OUTPUT POWER 47.2 dBm
CH SPACING 12.5 KHz MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV: 1.5 KHz
TRANSMITTER CONDUCTED EMISSION

Date: Sep 20, 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 137.1 MHz
47.22 dBm



ANNEX 1 - TEST DATA PLOTS

Plot # 20

Spurious Emissions at Antenna Terminals

Carrier Frequency: 136.1 MHz

Channel Spacing: 12.5 kHz

Power: 47.2 dBm

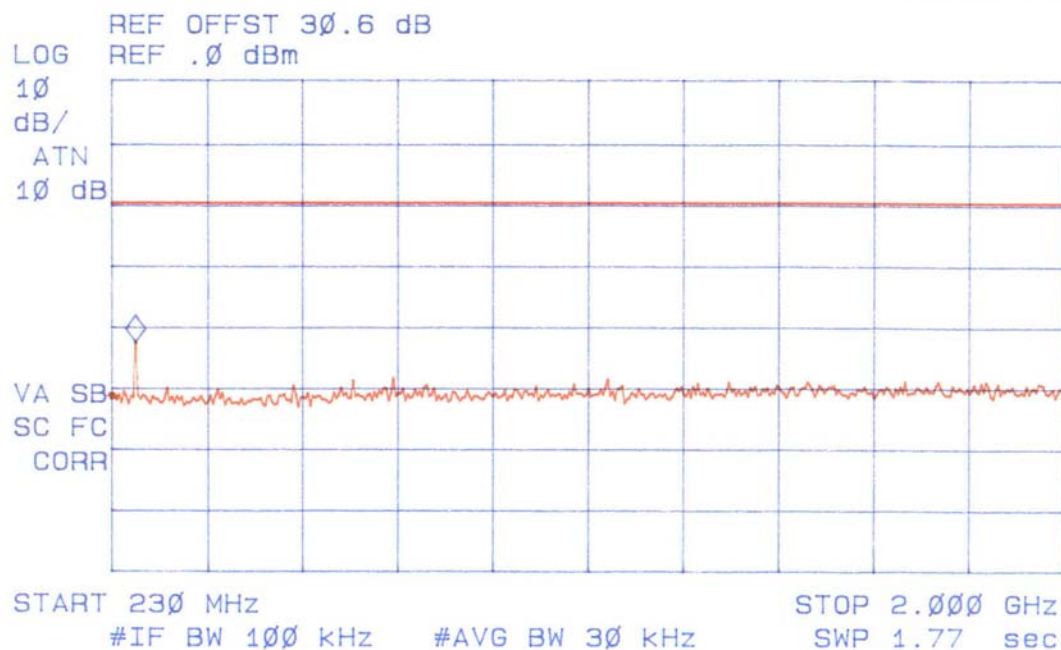
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50& 5 W ,12.5&25K CH
SPACING). MODEL IC-F121S.
Tx CH: 1, FREQUENCY 136.1 MHz, OUTPUT POWER 47.2 dBm
CH SPACING 12.5 KHz, MOD: FM, 2.5KHz SINE WAVE, FREQUENCY DEV: 1.5 KHz
TRANSMITTER CONDUCTED EMISSION

Date: Sep 20 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 274 MHz
-42.69 dBm



ANNEX 1 - TEST DATA PLOTS

Plot # 21

Spurious Emissions at Antenna Terminals

Carrier Frequency: 136.1 MHz

Channel Spacing: 12.5 kHz

Power: 37.0 dBm

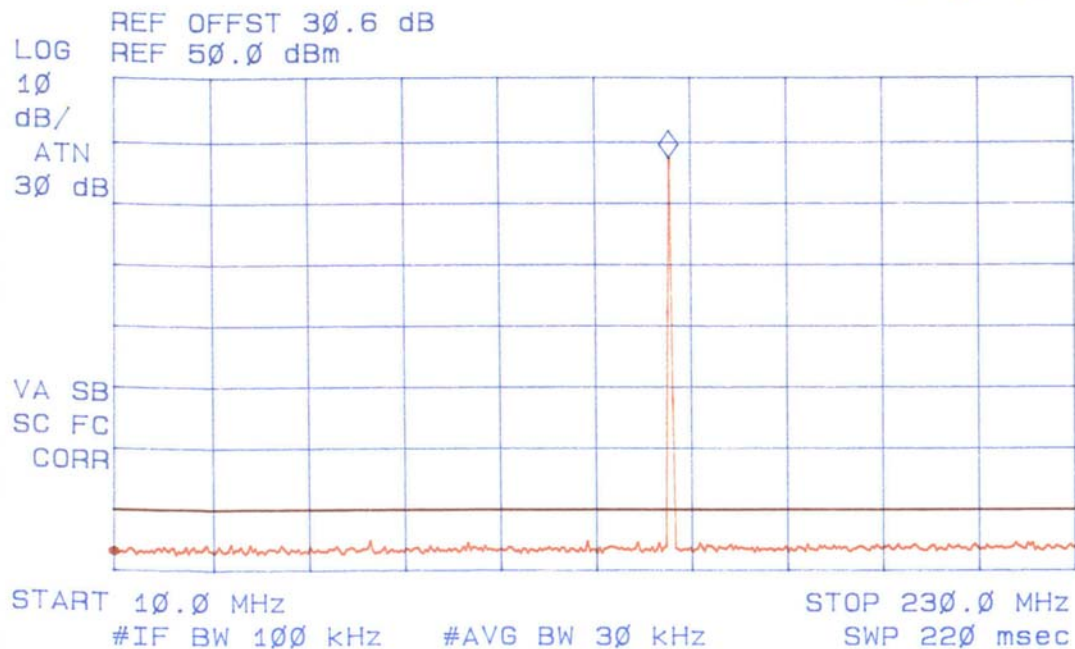
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50& 5 W ,12.5&25K CH
SPACING), MODEL IC-F121S.
Tx CH: 5, FREQUENCY 136.1 MHz. OUTPUT POWER 37.0 dBm
CH SPACING 12.5 KHz, MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 1.8 KHz
TRANSMITTER CONDUCTED EMISSION

Date: Sep 20 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 137.1 MHz
37.02 dBm



ANNEX 1 - TEST DATA PLOTS

Plot # 22

Spurious Emissions at Antenna Terminals

Carrier Frequency: 136.1 MHz

Channel Spacing: 12.5 kHz

Power: 37.0 dBm

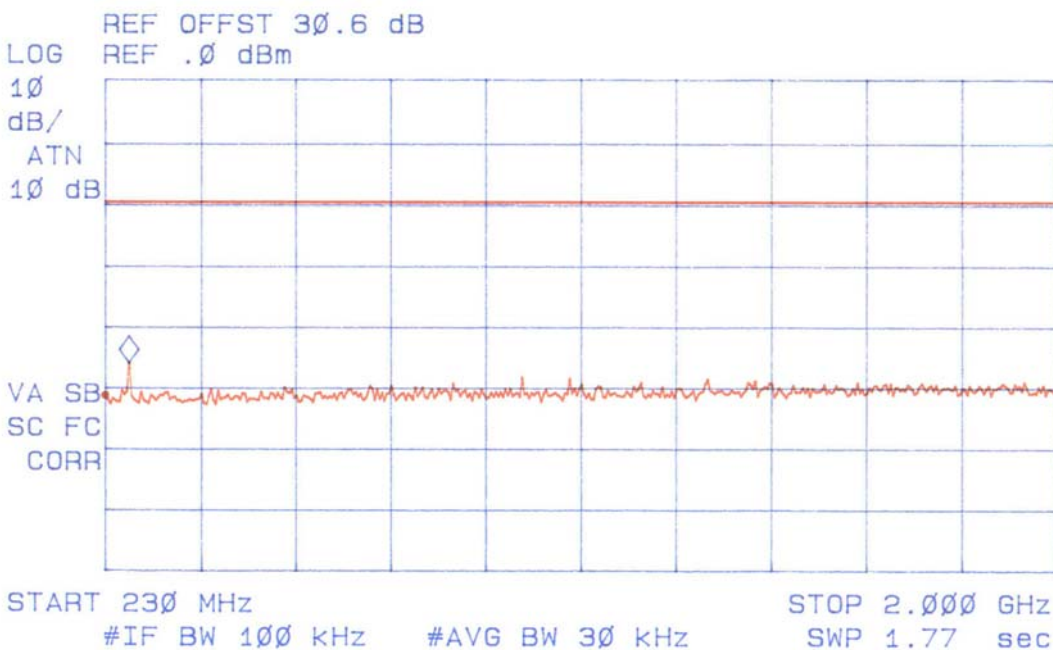
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50& 5 W ,12.5&25K CH
SPACING). MODEL IC-F121S.
Tx ,CH: 5, FREQUENCY 136.1 MHz, OUTPUT POWER 37.0 dBm
CH SPACING 12.5 KHz, MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV: 1.3 KHz
TRANSMITTER CONDUCTED EMISSION

Date: Sep 20 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 274 MHz
-46.12 dBm



ANNEX 1 - TEST DATA PLOTS

Plot # 23

Spurious Emissions at Antenna Terminals

Carrier Frequency: 155.1 MHz

Channel Spacing: 12.5 kHz

Power: 47.1 dBm

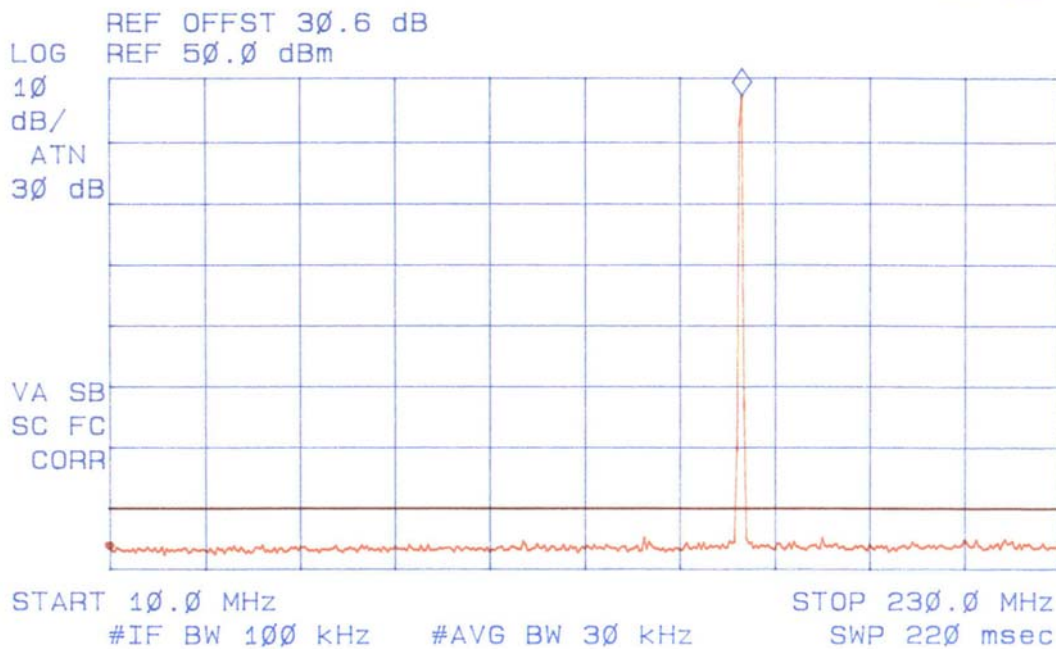
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50& 5 W ,12.5&25K CH
SPACING). MODEL IC-F121S.
Tx CH: 2, FREQUENCY 155.1 MHz, OUTPUT POWER 47.1 dBm
CH SPACING 12.5 KHz, MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 1.8 KHz
TRANSMITTER CONDUCTED EMISSION

Date: Sep 20 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 156.3 MHz
47.16 dBm



ANNEX 1 - TEST DATA PLOTS

Plot # 24

Spurious Emissions at Antenna Terminals

Carrier Frequency: 155.1 MHz

Channel Spacing: 12.5 kHz

Power: 47.1 dBm

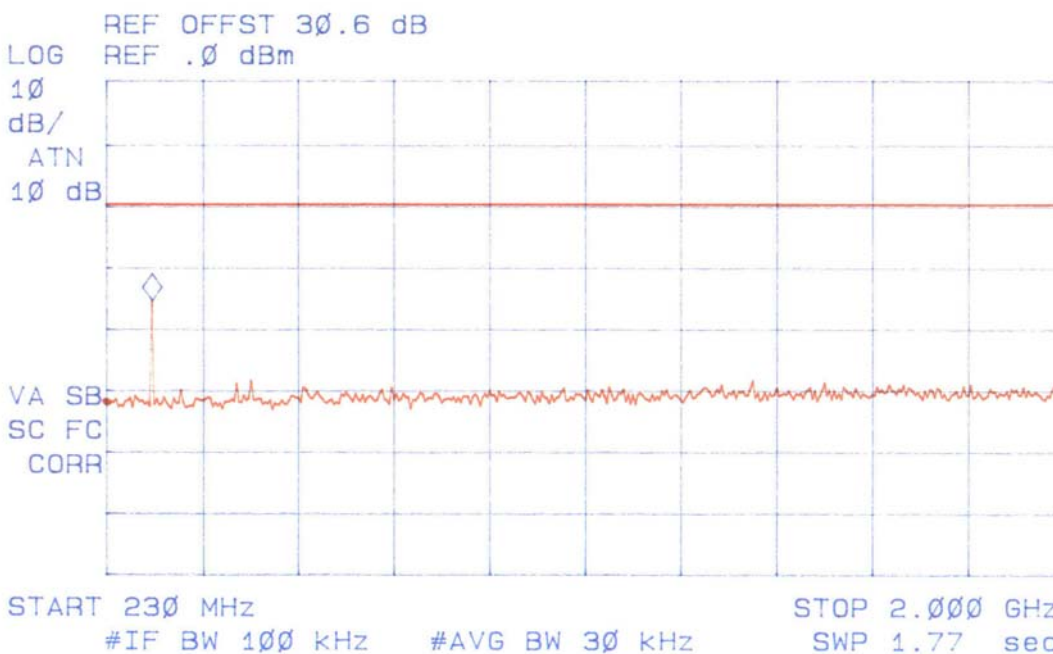
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50& 5 W ,12.5&25K CH
SPACING). MODEL IC-F121S.
1x CH: 2 FREQUENCY 155.1 MHz. OUTPUT POWER 47.1 dBm
CH SPACING 12.5 KHz. MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 1.8 KHz
TRANSMITTER CONDUCTED EMISSION

Date: Sep 20 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 314 MHz
-35.66 dBm



ANNEX 1 - TEST DATA PLOTS

Plot # 25

Spurious Emissions at Antenna Terminals

Carrier Frequency: 155.1 MHz

Channel Spacing: 12.5 kHz

Power: 37.2 dBm

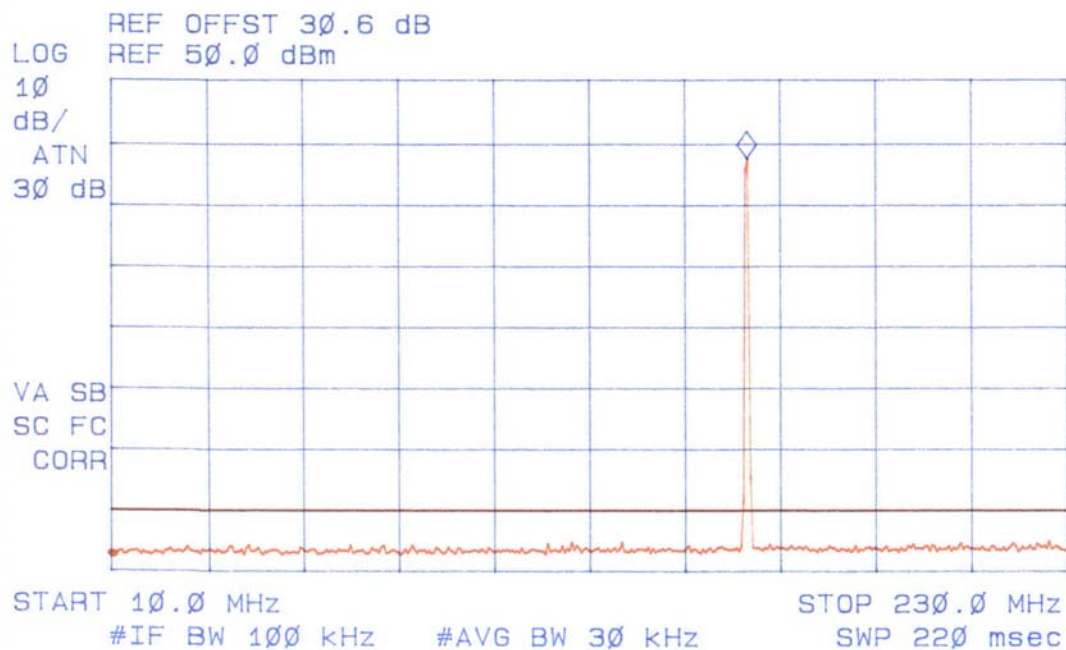
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50& 5 W ,12.5&25K CH
SPACING). MODEL IC-F121S.
Tx CH: 6, FREQUENCY 155.1 MHz, OUTPUT POWER 37.2 dBm
CH SPACING 12.5 KHz, MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 1.8 KHz
TRANSMITTER CONDUCTED EMISSION

Date: Sep 20 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 156.3 MHz
37.24 dBm



ANNEX 1 - TEST DATA PLOTS

Plot # 26

Spurious Emissions at Antenna Terminals

Carrier Frequency: 155.1 MHz

Channel Spacing: 12.5 kHz

Power: 37.2 dBm

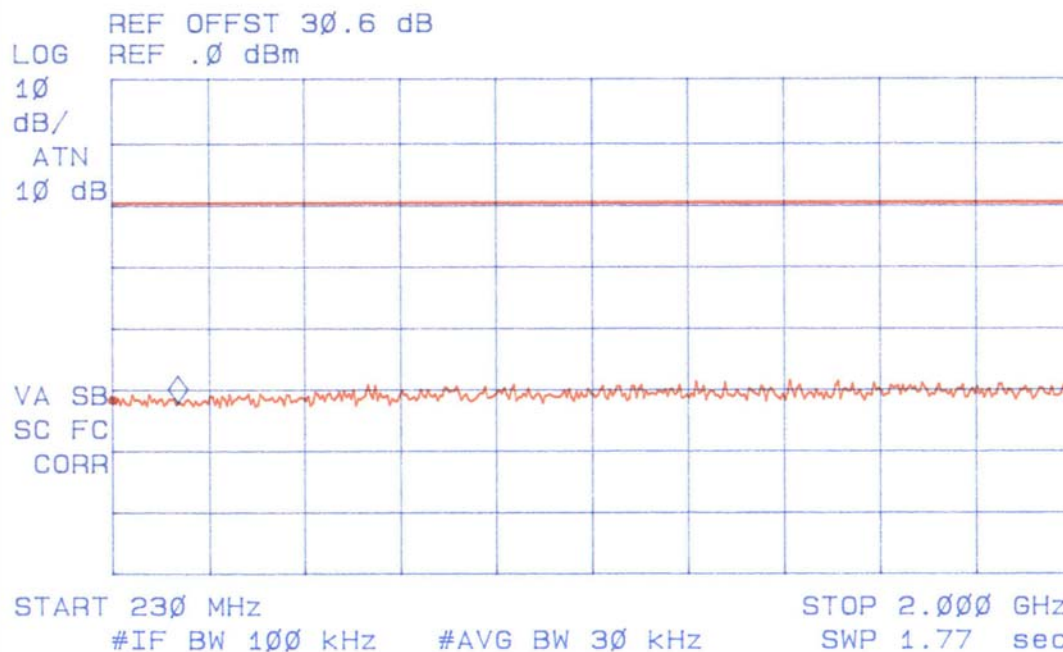
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50& 5 W ,12.5&25K CH
SPACING). MODEL IC-F121S.
Tx CH: 0 FREQUENCY 155.1 MHz. OUTPUT POWER 37.2 dBm
CH SPACING 12.5 KHz. MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 1.5 KHz
TRANSMITTER CONDUCTED EMISSION

Date: Sep 20 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 349 MHz
-52.27 dBm



ANNEX 1 - TEST DATA PLOTS

Plot #27

Spurious Emissions at Antenna Terminals

Carrier Frequency: 173.9 MHz

Channel Spacing: 12.5 kHz

Power: 46.9 dBm

Modulation: FM with 2.5kHz sine wave



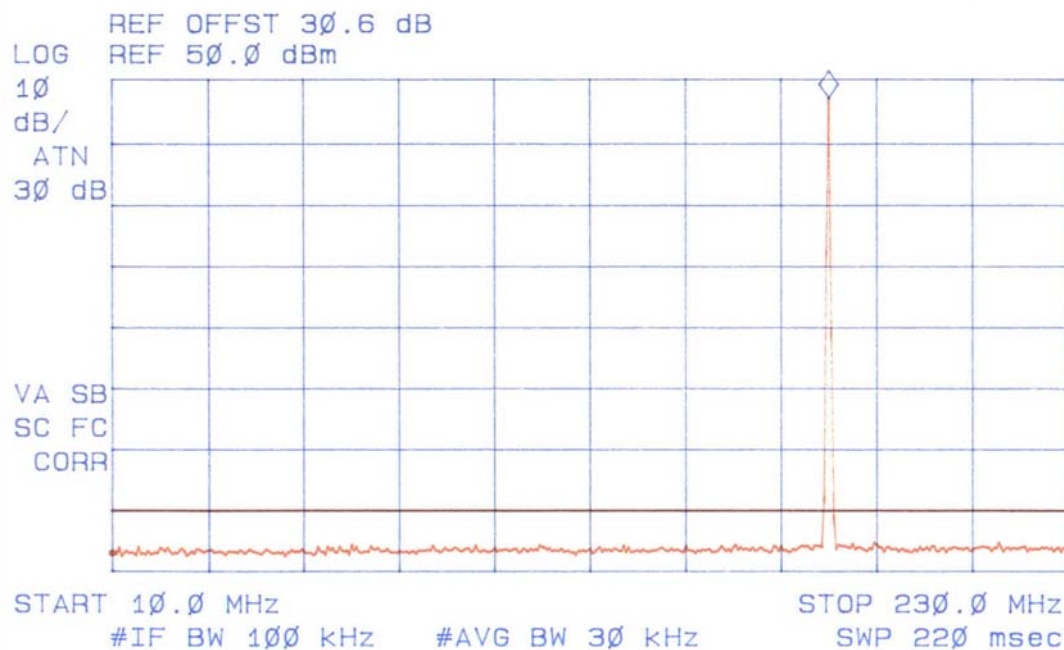
ICOM AMERICA.

LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50& 5 W ,12.5&25K CH SPACING). MODEL IC-F121S.

TEST CH: 7, FREQUENCY 173.9 MHz OUTPUT POWER 46.9 dBm
CH SPACING 12.5 kHz, MOD: FM, 2.5kHz SINE WAVE, FREQUENCY DEV: 1.8 kHz
TRANSMITTER CONDUCTED EMISSION

Date: Sep 20 2022
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 175.0 MHz
47.00 dBm



ANNEX 1 - TEST DATA PLOTS

Plot # 28

Spurious Emissions at Antenna Terminals

Carrier Frequency: 173.9 MHz

Channel Spacing: 12.5 kHz

Power: 46.9 dBm

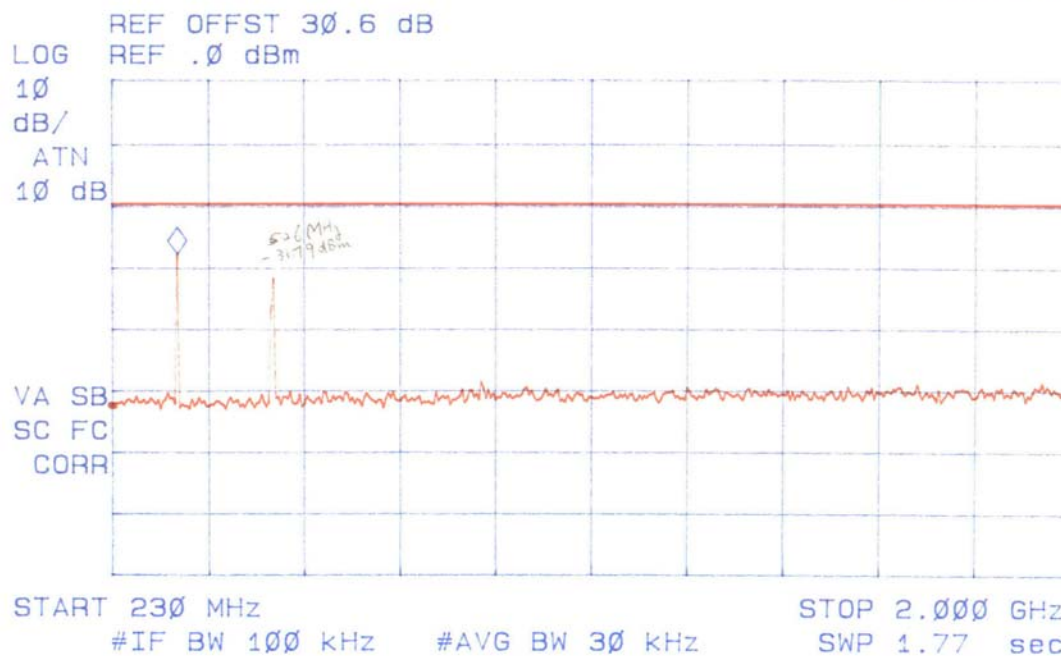
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50& 5 W ,12.5&25K CH
SPACING). MODEL IC-F121S.
Tx, CH: 3, FREQUENCY 173.9 MHz, OUTPUT POWER 46.9 dBm
CH SPACING 12.5 KHz, MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 1.5 KHz
TRANSMITTER CONDUCTED EMISSION

Date: Sep 20 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 349 MHz
-28.10 dBm



ANNEX 1 - TEST DATA PLOTS

Plot #29

Spurious Emissions at Antenna Terminals

Carrier Frequency: 173.9 MHz

Channel Spacing: 12.5 kHz

Power: 37.3 dBm

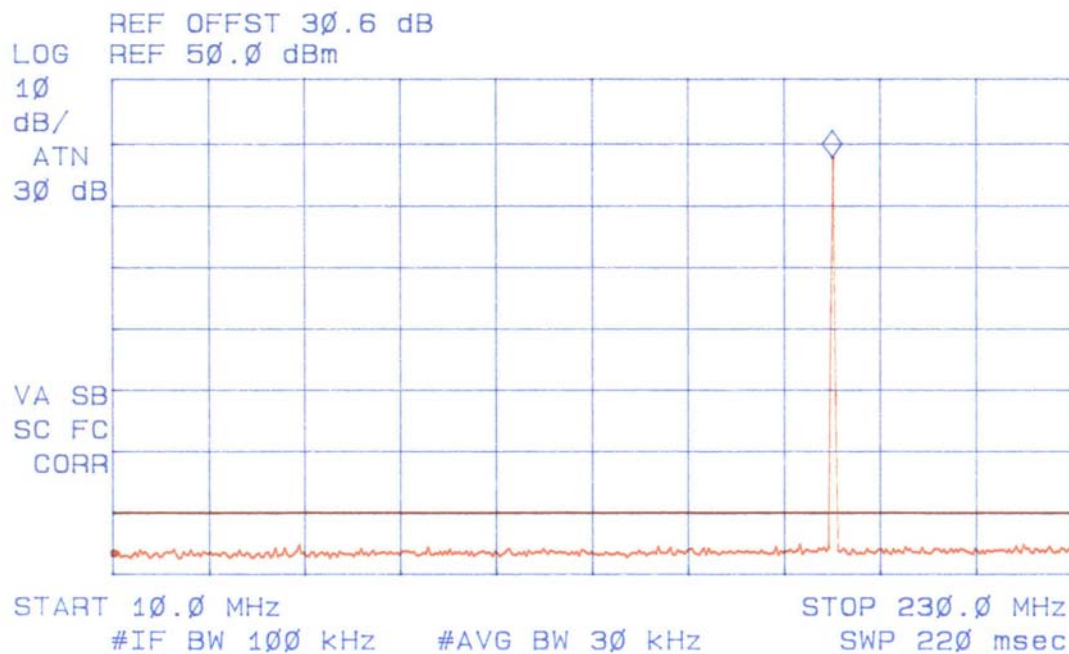
Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50& 5 W ,12.5&25K CH
SPACING). MODEL IC-F121S.
Tx CH: 7, FREQUENCY 173.9 MHz, OUTPUT POWER 37.3 dBm
CH SPACING 12.5 KHz, MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 1.8 KHz
TRANSMITTER CONDUCTED EMISSION

Date: Sep 20 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 175.0 MHz
37.34 dBm



ANNEX 1 - TEST DATA PLOTS

Plot # 30

Spurious Emissions at Antenna Terminals

Carrier Frequency: 173.9 MHz

Channel Spacing: 12.5 kHz

Power: 37.3 dBm

Modulation: FM with 2.5kHz sine wave



ICOM AMERICA.
LAND MOBILE VHF RADIO TRANSCEIVER (136-174MHz 50& 5 W ,12.5&25K CH
SPACING). MODEL IC-F121S.
TX CH: 7 FREQUENCY 173.9 MHz OUTPUT POWER 37.3 dBm
CH SPACING 12.5 KHz MOD : FM , 2.5KHz SINE WAVE , FREQUENCY DEV : 1.0 KHz
TRANSMITTER CONDUCTED EMISSION

Date: Sep 20 2002
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 349 MHz
-46.69 dBm

