

ANNEX 1 - RF CONDUCTED EMISSIONS AT TX RF PORT @ High Power (45 Watts) Plot # 28

MOBILE UHF TRANSCEIVER, Model IC-F221

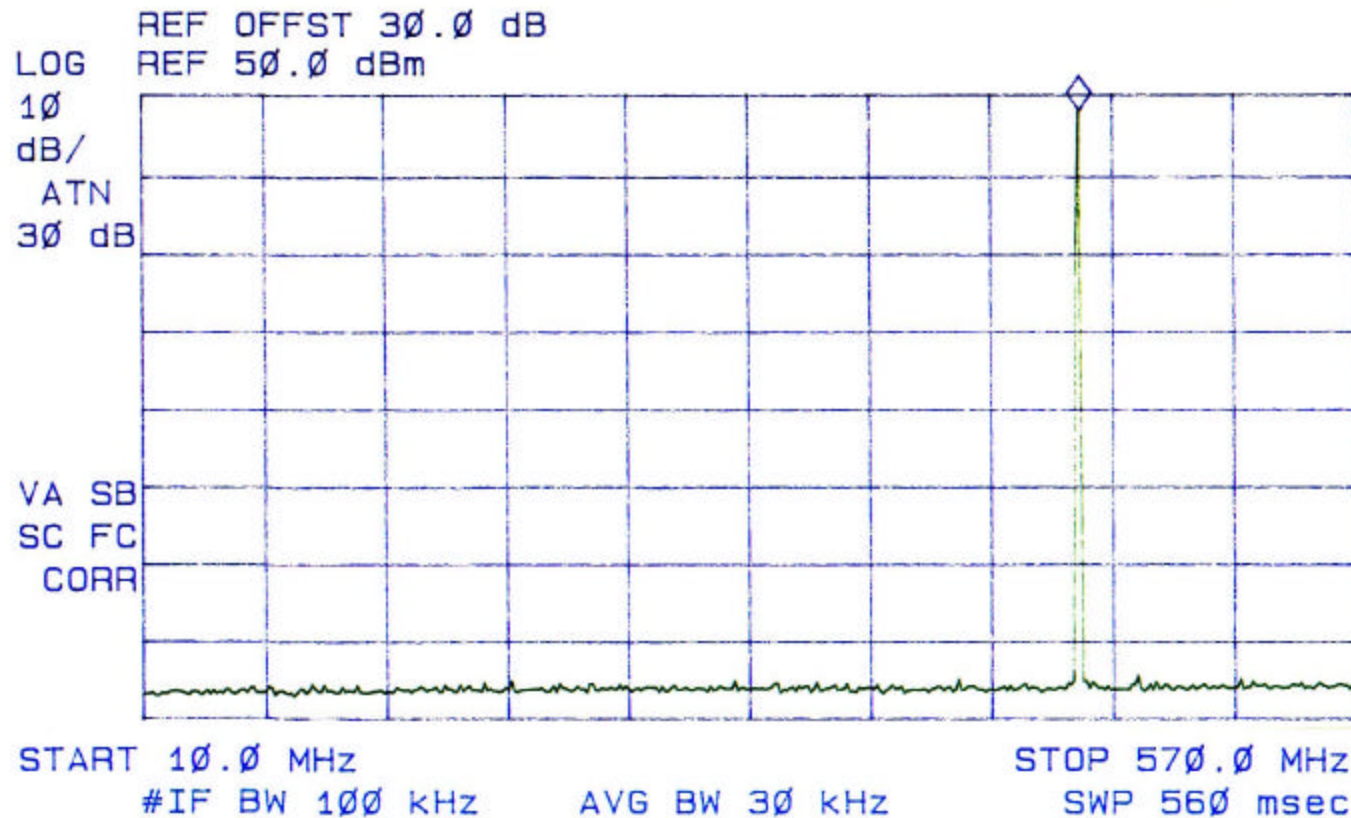
IC: 202E-262301



ICOM AMERICA.
LAND MOBILE UHF RADIOTRANSCEIVER (440-490MHz Hi45 W, 12.5&25K CH
SPACING) MODEL IC-F221.
CH : 1 FREQUENCY 440.1 MHz. OUTPUT POWER 46.43 dBm.
CH SPACING 12.5 KHz. MOD : FM, 2.5KHz SINE WAVE, FREQUENCY DEV : _____ KHz
TRANSMITTER CONDUCTED EMISSION

Date: Jan 22 2023
Tested By: Wayne
PLOT# 28

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 442.6 MHz
48.04 dBm



ANNEX 1 - RF CONDUCTED EMISSIONS AT TX RF PORT @ High Power (45 Watts) Plot # 29

MOBILE UHF TRANSCEIVER, Model IC-F221

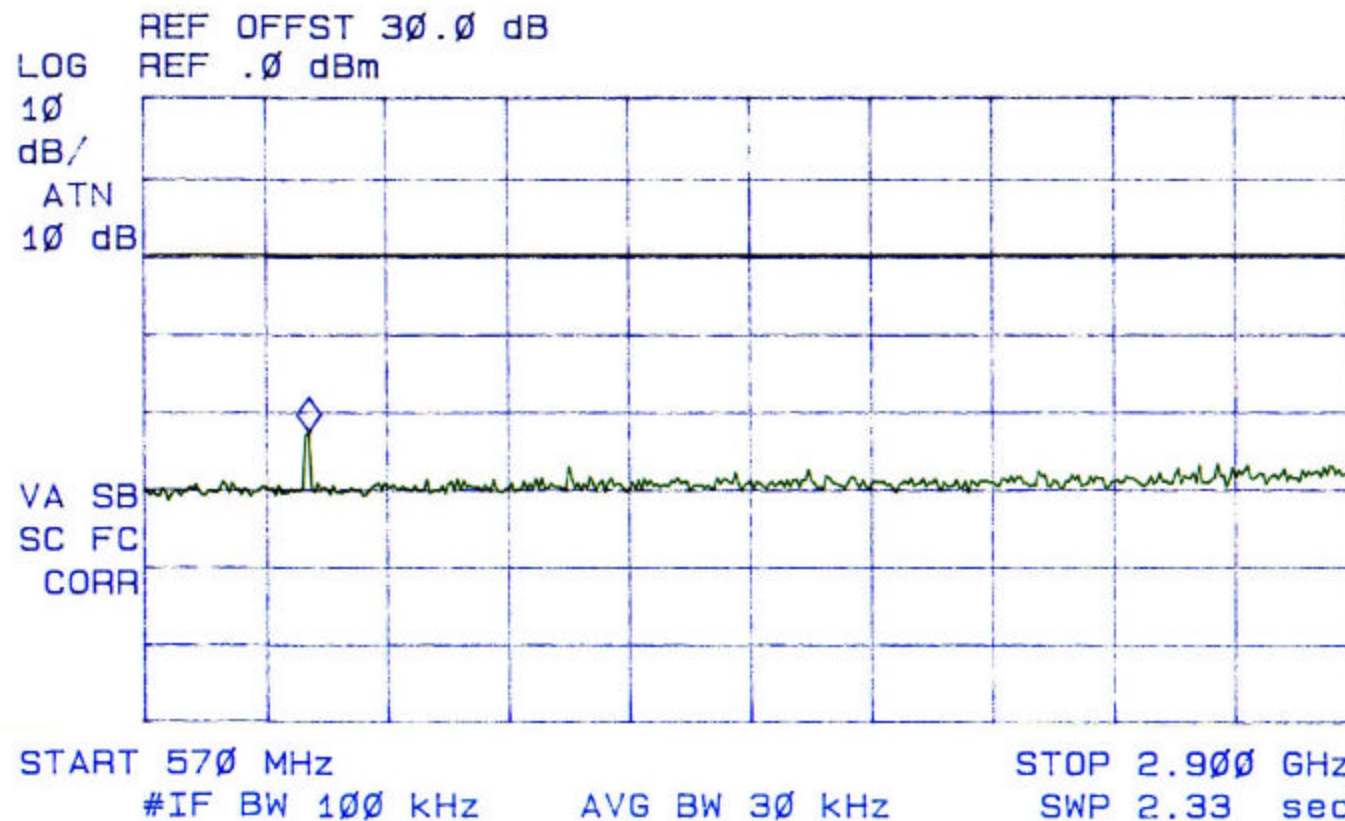
IC: 202E-262301



ICOM AMERICA.
LAND MOBILE UHF RADIOTRANSCEIVER (440-490MHz Hi45 W, 12.5&25K CH
SPACING) MODEL IC-F221.
CH : 1 FREQUENCY 440.1 MHz. OUTPUT POWER 46.3 dBm.
CH SPACING 12.5 KHz. MOD : FM, 2.5KHz SINE WAVE, FREQUENCY DEV : _____ KHz
TRANSMITTER CONDUCTED EMISSION

Date: Jan 22 2003
Tested By: Wayne
PLOT#29

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 885 MHz
-42.75 dBm



ANNEX 1 - RF CONDUCTED EMISSIONS AT TX RF PORT @ High Power (45 Watts) Plot # 30
MOBILE UHF TRANSCEIVER, Model IC-F221 IC: 202E-262301



ICOM AMERICA.
LAND MOBILE UHF RADIOTRANSCEIVER (440-490MHz Hi45 W, 12.5&25K CH
SPACING) MODEL IC-F221.
CH : 1 FREQUENCY 440.1 MHz. OUTPUT POWER 46.53 dBm.
CH SPACING 12.5 KHz. MOD : FM, 2.5KHz SINE WAVE. FREQUENCY DEV : KHz
TRANSMITTER CONDUCTED EMISSION

Date: Jan 22 2003
Tested By: Wayne

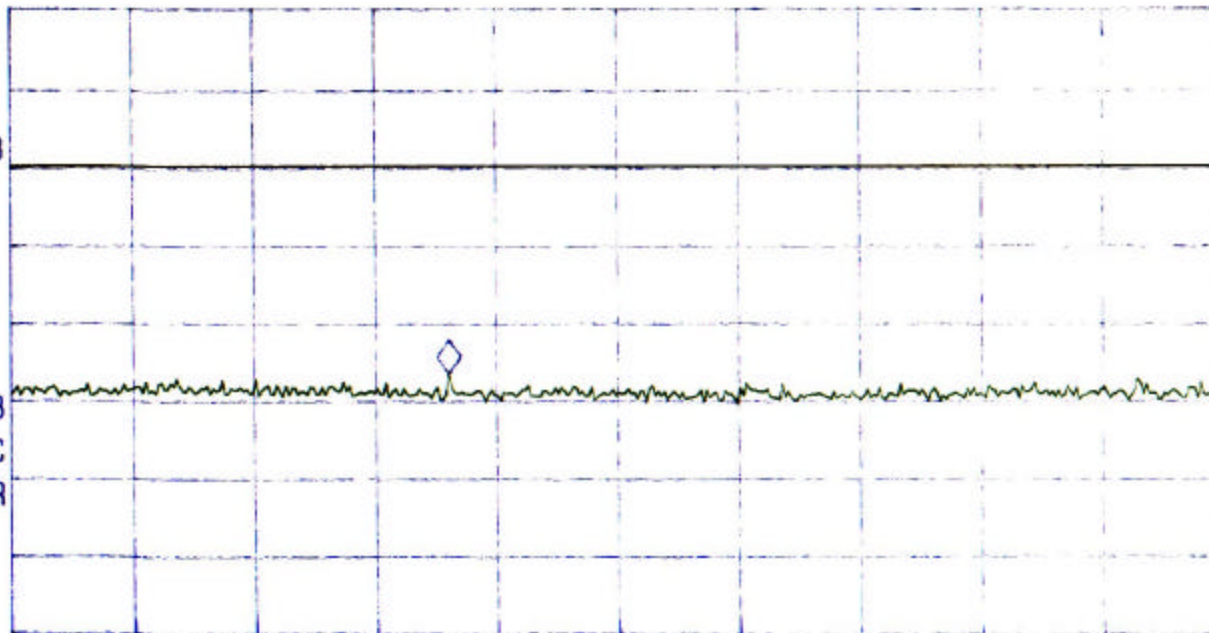
PLOT # 30

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 3.656 GHz
-46.73 dBm

LOG REF OFFST 30.0 dB
REF .0 dBm

10
dB/
ATN
10 dB

VA SB
SC FC
CORR



START 2.900 GHz
#IF BW 100 kHz

AVG BW 30 kHz

STOP 5.000 GHz
SWP 2.10 sec

ANNEX 1 - RF CONDUCTED EMISSIONS AT TX RF PORT @ High Power (45 Watts) Plot # 31

MOBILE UHF TRANSCEIVER, Model IC-F221

IC: 202E-262301

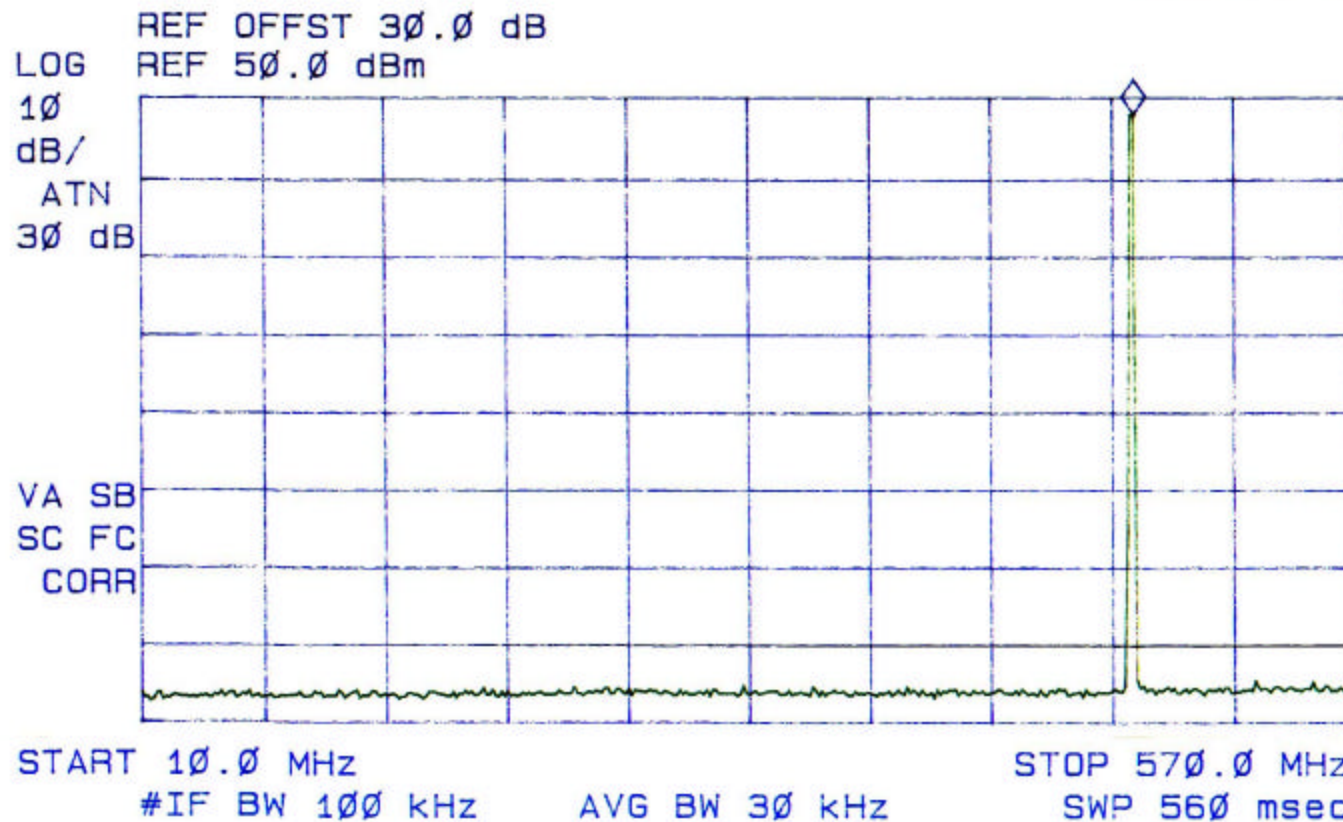


ICOM AMERICA.
LAND MOBILE UHF RADIOTRANSCEIVER (440-490MHz Hi45 W, 12.5&25K CH
SPACING) MODEL IC-F221
CH : 2, FREQUENCY 465.1 MHz, OUTPUT POWER 46.52 dBm.
CH SPACING 12.5 KHz, MOD : FM, 2.5KHz SINE WAVE, FREQUENCY DEV : _____ KHz
TRANSMITTER CONDUCTED EMISSION

Date: Jan 22 2003
Tested By: Wayne

Plot # 31

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 467.8 MHz
47.93 dBm



ANNEX 1 - RF CONDUCTED EMISSIONS AT TX RF PORT @ High Power (45 Watts) Plot # 32

MOBILE UHF TRANSCEIVER, Model IC-F221

IC: 202E-262301

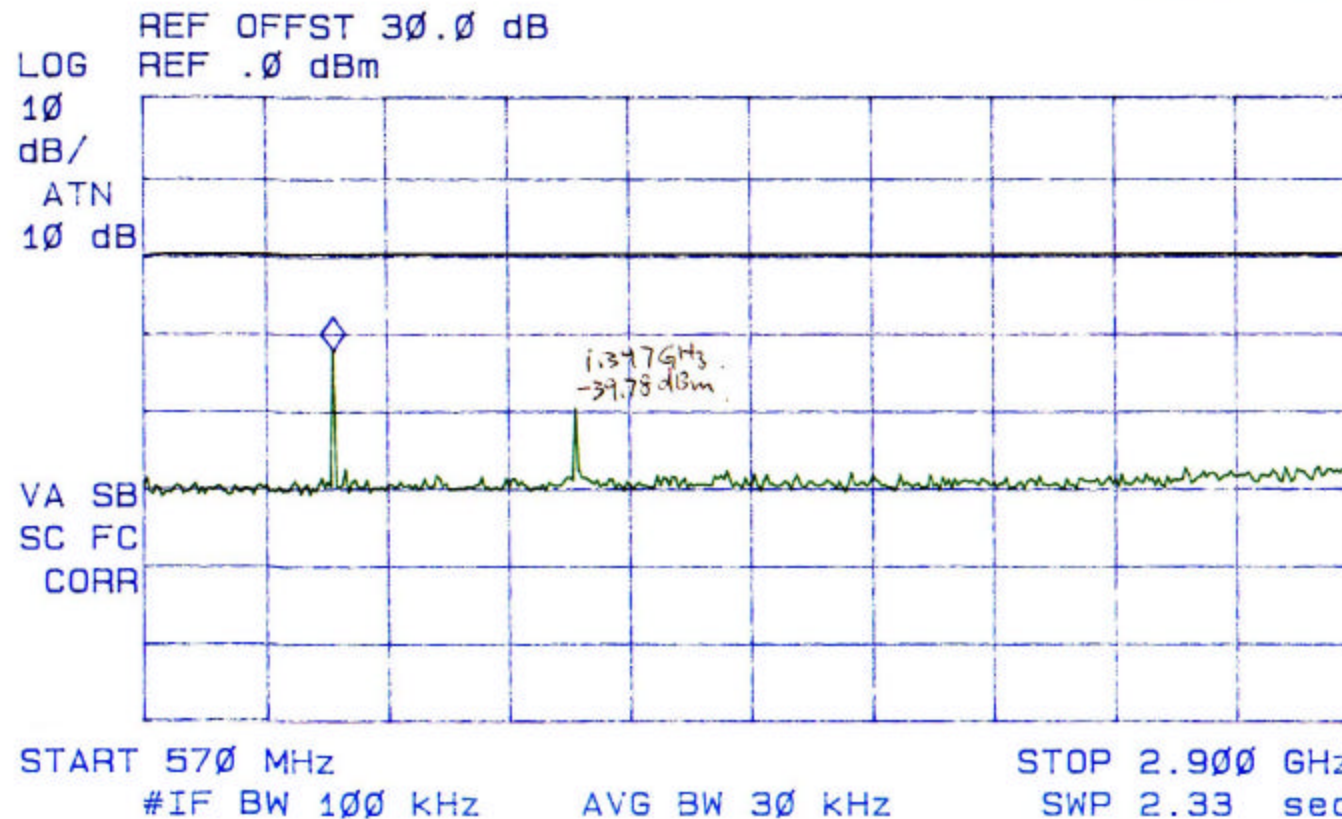


ICOM AMERICA.
LAND MOBILE UHF RADIOTRANSCEIVER (440-490MHz Hi45 W, 12.5&25K CH
SPACING) MODEL IC-F221
CH : 2 FREQUENCY 465.1 MHz. OUTPUT POWER 46.52 dBm.
CH SPACING 12.5 KHz. MOD : FM, 2.5KHz SINE WAVE, FREQUENCY DEV : _____ KHz
TRANSMITTER CONDUCTED EMISSION

Date: Jan 21 2003
Tested By: Wayne

Plot #32

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 931 MHz
-32.49 dBm



ANNEX 1 - RF CONDUCTED EMISSIONS AT TX RF PORT @ High Power (45 Watts) Plot # 33

MOBILE UHF TRANSCEIVER, Model IC-F221

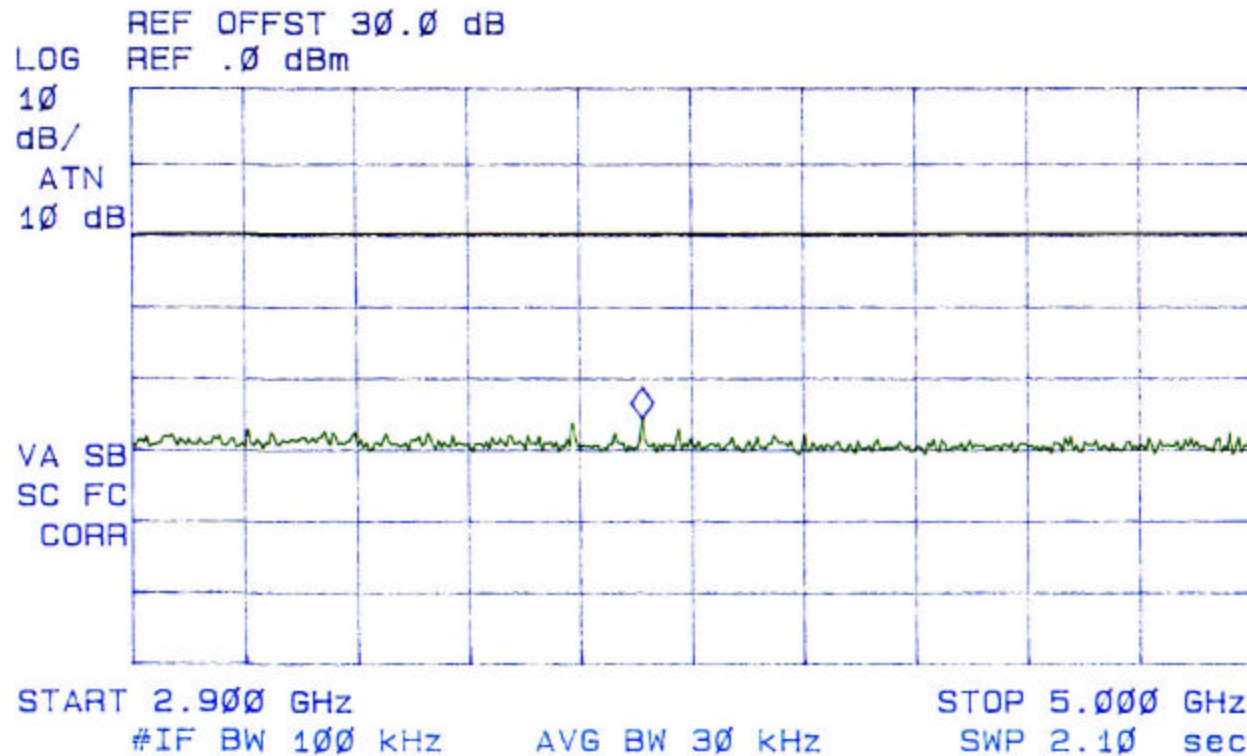
IC: 202E-262301



ICOM AMERICA
LAND MOBILE UHF RADIOTRANSCEIVER (440-490MHz Hi45 W, 12.5&25K CH
SPACING) MODEL IC-F221
CH : 2 FREQUENCY 463.1 MHz, OUTPUT POWER 46.52 dBm.
CH SPACING 12.5 KHz, MOD : FM, 2.5KHz SINE WAVE, FREQUENCY DEV : KHz
TRANSMITTER CONDUCTED EMISSION

Date: Jan 22 2003
Tested By: Wayne
Plot #33

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 3.856 GHz
-45.87 dBm



ANNEX 1 - RF CONDUCTED EMISSIONS AT TX RF PORT @ High Power (45 Watts) Plot # 34

MOBILE UHF TRANSCEIVER, Model IC-F221

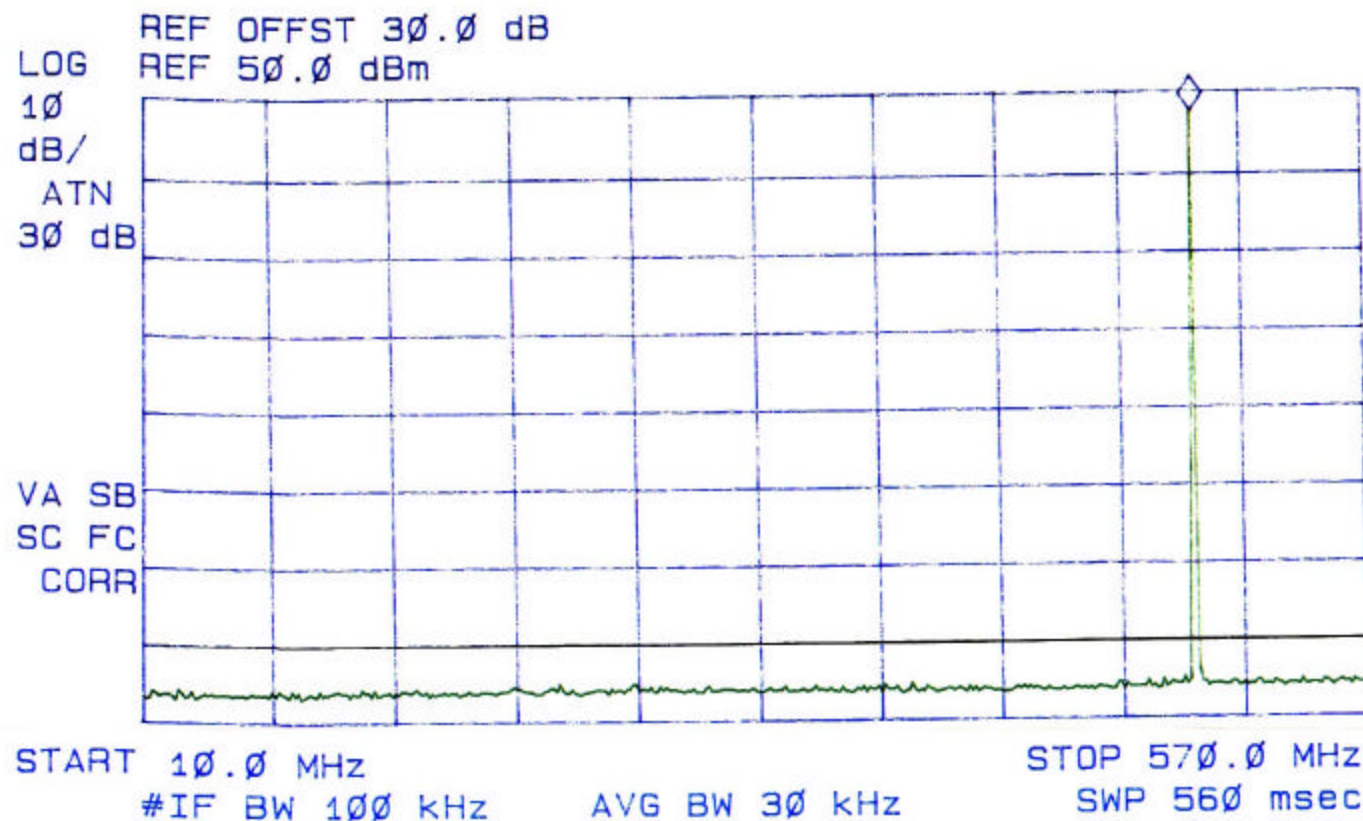
IC: 202E-262301



ICOM AMERICA.
LAND MOBILE UHF RADIOTRANSCEIVER (440-490MHz Hi45 W, 12.5&25K CH
SPACING) MODEL IC-F221
CH : 5 FREQUENCY 491.6 MHz. OUTPUT POWER 46.28 dBm.
CH SPACING 12.5 KHz. MOD : FM, 2.5KHz SINE WAVE, FREQUENCY DEV : _____ KHz
TRANSMITTER CONDUCTED EMISSION

Date: Jan 22 2003
Tested By: Wayne
Plot # 34

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 491.6 MHz
47.53 dBm



ANNEX 1 - RF CONDUCTED EMISSIONS AT TX RF PORT @ High Power (45 Watts) Plot # 35

MOBILE UHF TRANSCEIVER, Model IC-F221

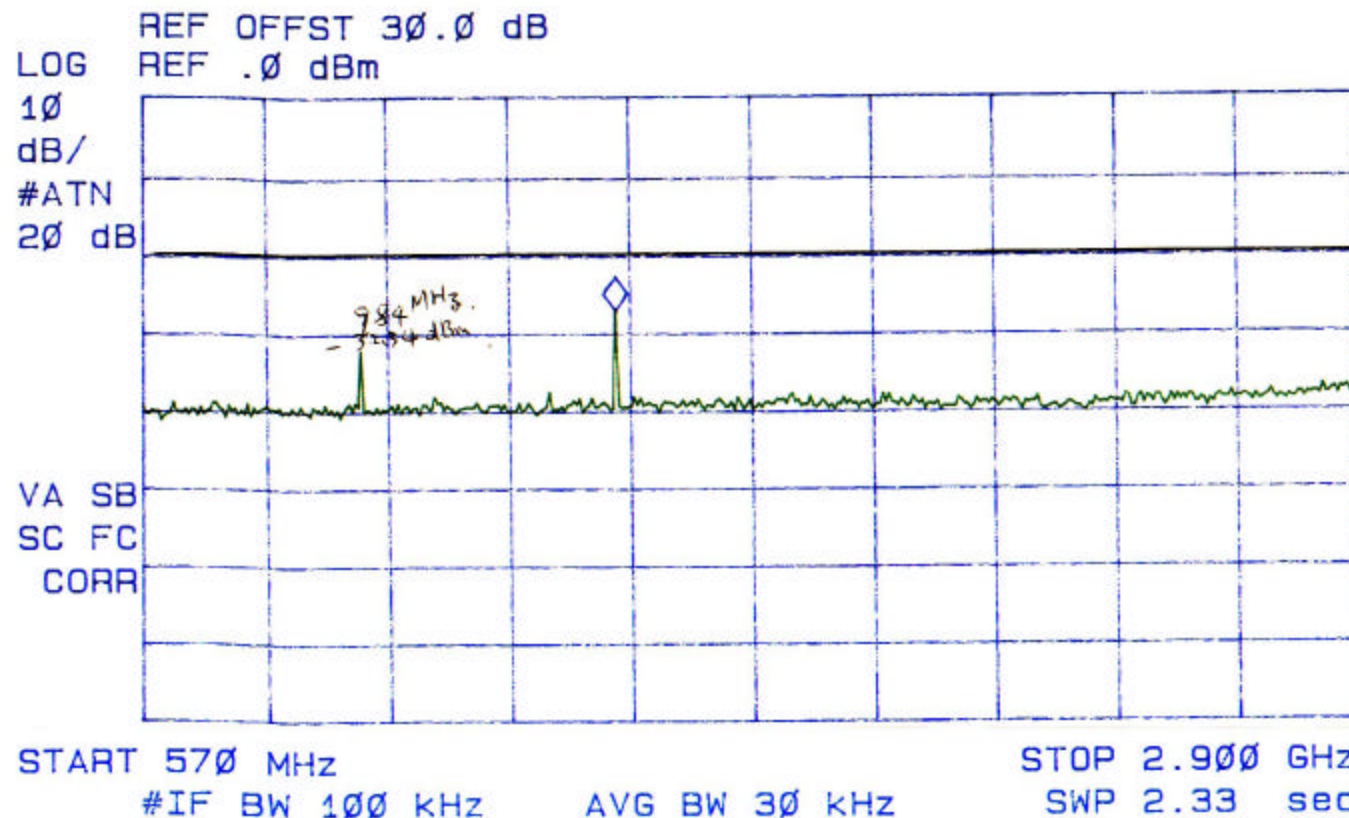
IC: 202E-262301



ICOM AMERICA.
LAND MOBILE UHF RADIOTRANSCEIVER (440-490MHz Hi45 W, 12.5&25K CH
SPACING) MODEL IC-F221
CH : 3 FREQUENCY 451.9 MHz. OUTPUT POWER 46.28 dBm.
CH SPACING 12.5 KHz. MOD : FM, 2.5KHz SINE WAVE, FREQUENCY DEV : _____ KHz
TRANSMITTER CONDUCTED EMISSION

Date: Jan 22 2003
Tested By: Wayne
Plot # 35

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 1.473 GHz
-27.41 dBm



ANNEX 1 - RF CONDUCTED EMISSIONS AT TX RF PORT @ High Power (45 Watts) Plot # 36

MOBILE UHF TRANSCEIVER, Model IC-F221

IC: 202E-262301



ICOM AMERICA.

LAND MOBILE UHF RADIOTRANSCEIVER (440-490MHz Hi45 W, 12.5&25K CH

SPACING) MODEL IC-F221

CH : 3 FREQUENCY 489.9 MHz OUTPUT POWER 46.28 dBm

CH SPACING 12.5 KHz MOD : FM, 2.5KHz SINE WAVE, FREQUENCY DEV : _____ KHz

TRANSMITTER CONDUCTED EMISSION

Date: Jan 22 2013
Tested By: Wayne

Plot # 36

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 3.798 GHz

-46.74 dBm

REF OFFST 30.0 dB

LOG REF .0 dBm

10

dB/

ATN

10 dB

VA SB

SC FC

CORR

START 2.900 GHz

#IF BW 100 KHz

AVG BW 30 KHz

STOP 5.000 GHz

SWP 2.10 sec