

ANNEX 1 - PLOTS OF RF CONDUCTED EMISSIONS AT TRANSMITTER ANTENNA PORT

MOBILE UHF TRANSCEIVER, Model IC-F221

Plot # 19

FCC ID: AFJ262301



ICOM AMERICA.

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

SPACING) MODEL IC-F221.

CH : 7, FREQUENCY 440.1 MHz. OUTPUT POWER 36.37 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

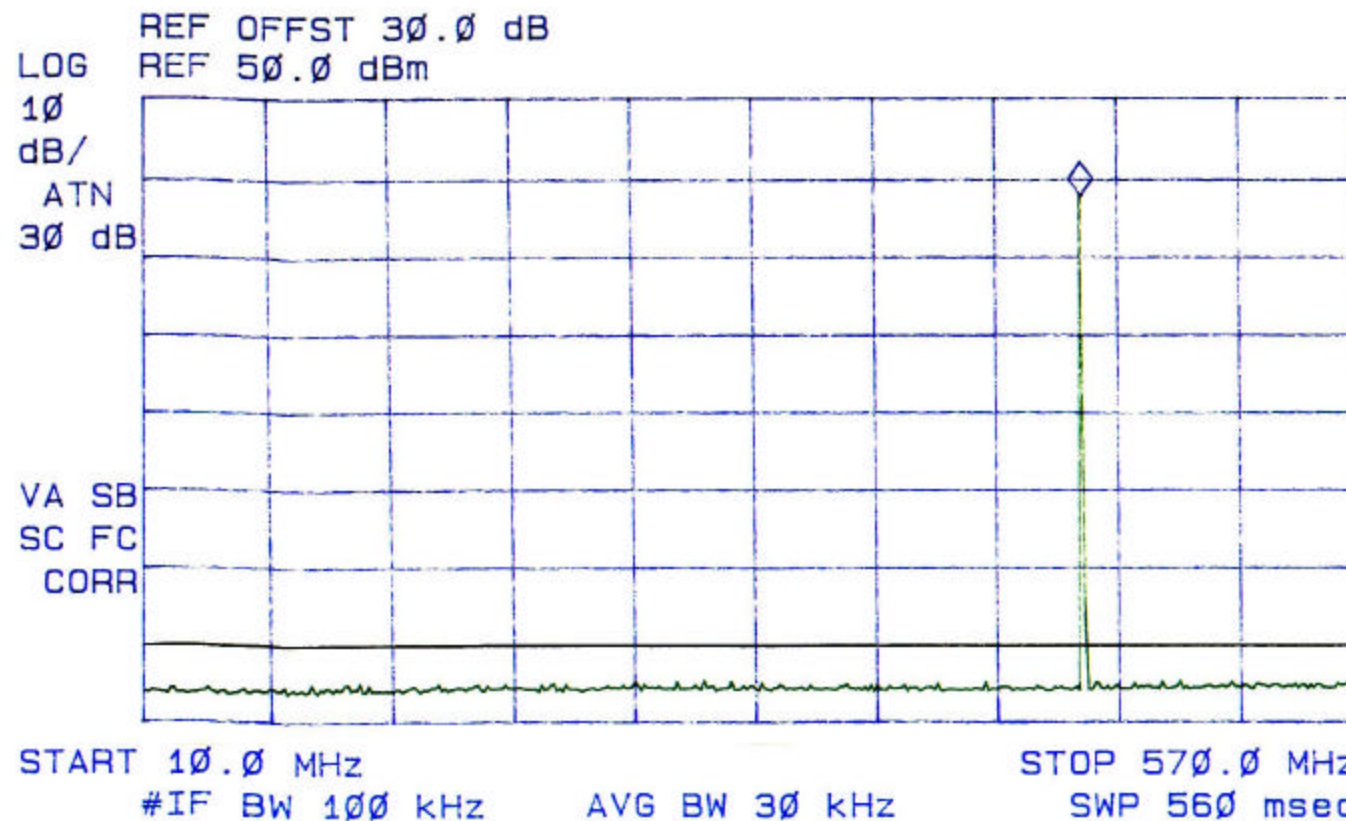
PLOT # 19

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 441.2 MHz

37.43 dBm



ANNEX 1 - PLOTS OF RF CONDUCTED EMISSIONS AT TRANSMITTER ANTENNA PORT

MOBILE UHF TRANSCEIVER, Model IC-F221

Plot # 20

FCC ID: AFJ262301



ICOM AMERICA.

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

SPACING) MODEL IC-F221.

CH : 7 FREQUENCY 440.1 MHz. OUTPUT POWER 36.37 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 # 20

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

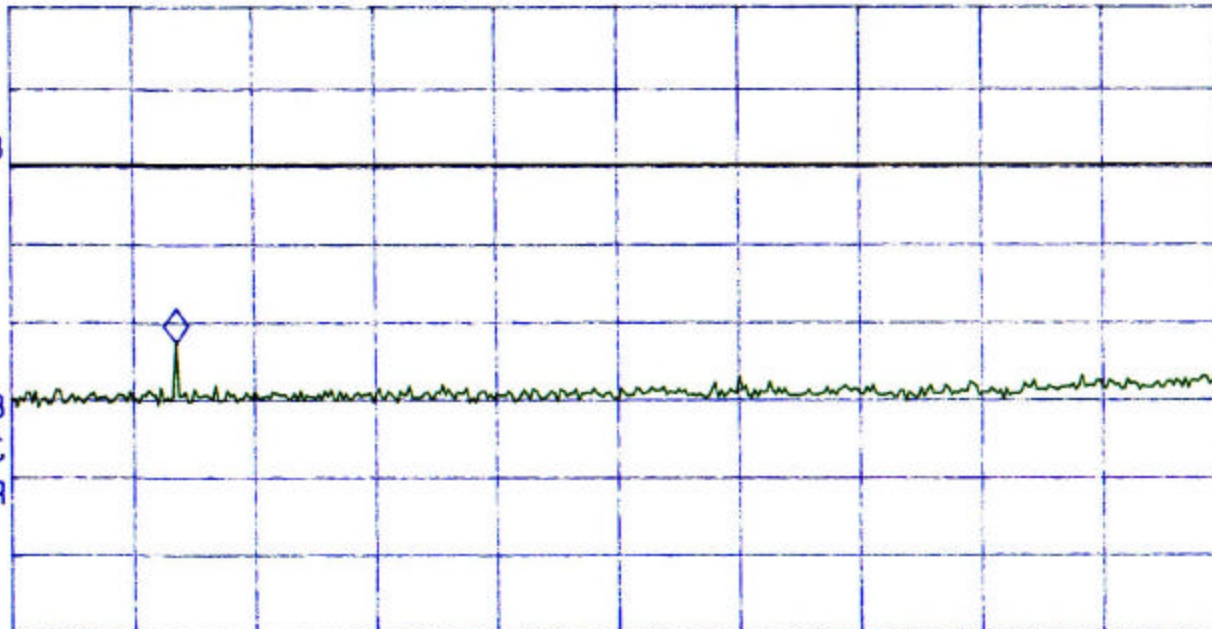
MKR 885 MHz

-42.94 dBm

REF OFFST 30.0 dB
LOG REF .0 dBm

10
dB/
ATN
10 dB

VA SB
SC FC
CORR



START 570 MHz

#IF BW 100 kHz

AVG BW 30 kHz

STOP 2.900 GHz

SWP 2.33 sec

ANNEX 1 - PLOTS OF RF CONDUCTED EMISSIONS AT TRANSMITTER ANTENNA PORT

MOBILE UHF TRANSCEIVER, Model IC-F221

Plot # 21

FCC ID: AFJ262301



ICOM AMERICA.

LAND MOBILE UHF RADIOTRANSCEIVER (440-490MHz Hi45 W, 12.5825K CH

SPACING) MODEL IC-F221.

CH : 7 FREQUENCY 440.1 MHz, OUTPUT POWER 36.37 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#21

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 3.294 GHz

-47.49 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

ANNEX 1 - PLOTS OF RF CONDUCTED EMISSIONS AT TRANSMITTER ANTENNA PORT

MOBILE UHF TRANSCEIVER, Model IC-F221

Plot # 22

FCC ID: AFJ262301



ICOM AMERICA.

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

SPACING) MODEL IC-F221.

CH : 8 FREQUENCY 465.1 MHz, OUTPUT POWER 36.55 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 # 22

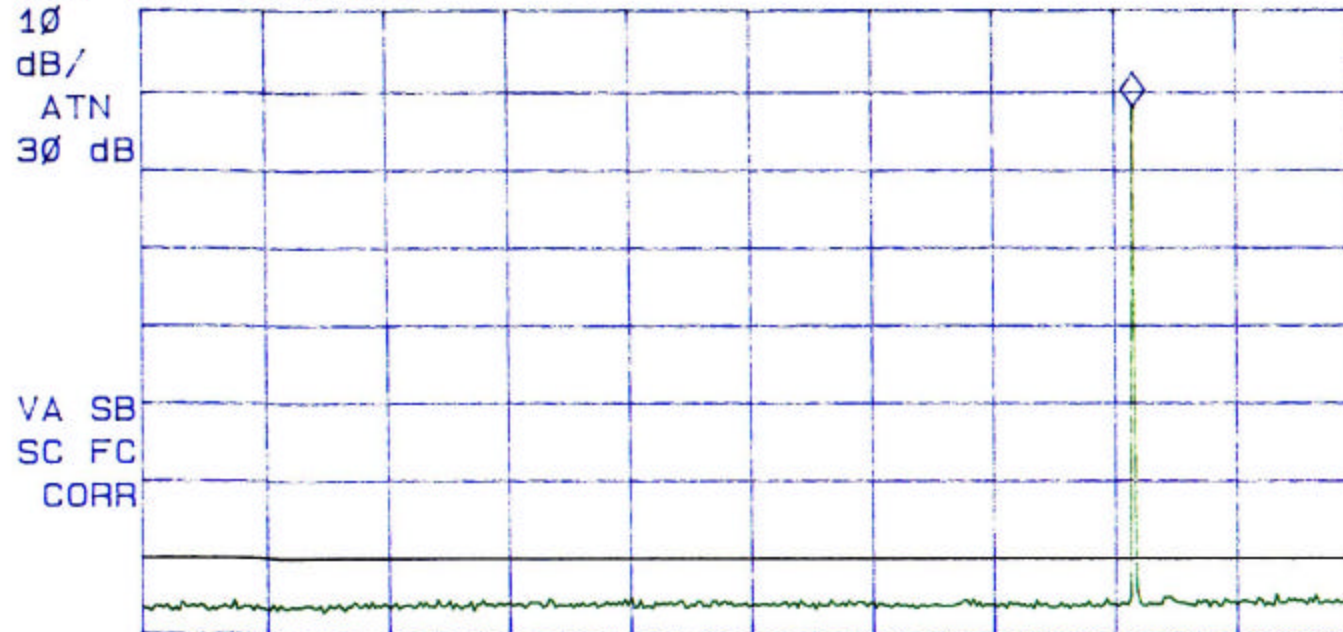
ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 466.4 MHz

37.61 dBm

REF OFFST 30.0 dB
LOG REF 50.0 dBm



START 10.0 MHz

#IF BW 100 kHz

AVG BW 30 kHz

STOP 570.0 MHz

SWP 560 msec

ANNEX 1 - PLOTS OF RF CONDUCTED EMISSIONS AT TRANSMITTER ANTENNA PORT

MOBILE UHF TRANSCEIVER, Model IC-F221

Plot # 23

FCC ID: AFJ262301



ICOM AMERICA.

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

SPACING) MODEL IC-F221

CH : 8 FREQUENCY 465.1 MHz. OUTPUT POWER 36.55 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 #23

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

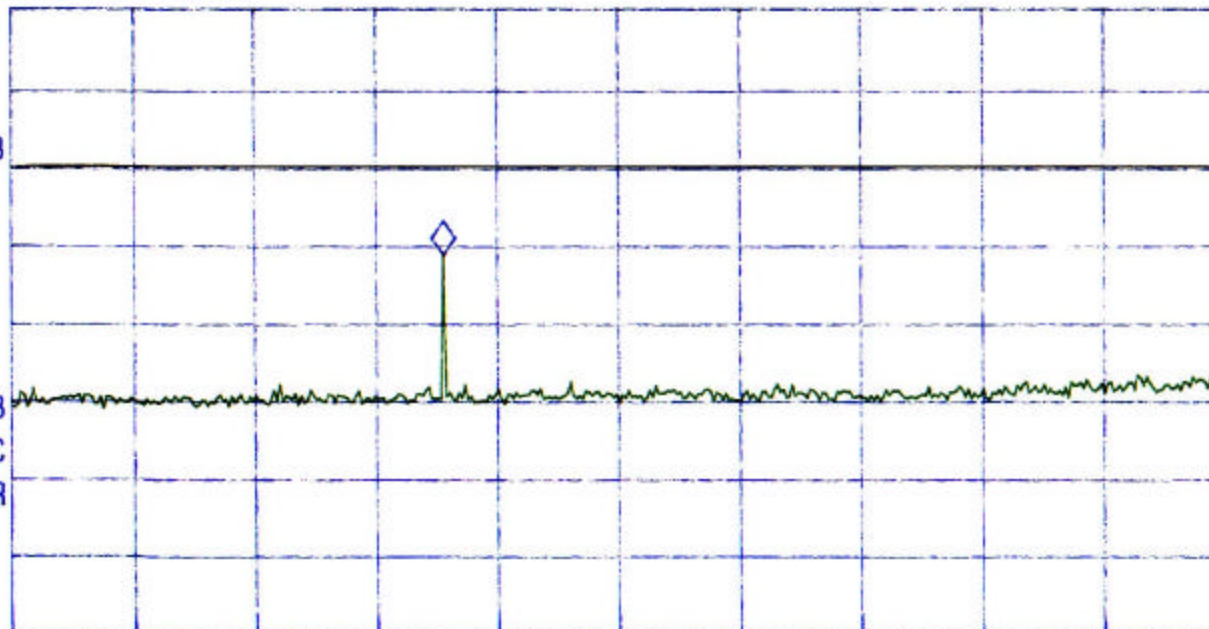
MKR 1.397 GHz

-31.46 dBm

REF OFFST 30.0 dB
LOG REF .0 dBm

10
dB/
ATN
10 dB

VA SB
SC FC
CORR



START 570 MHz

#IF BW 100 kHz

AVG BW 30 kHz

STOP 2.900 GHz

SWP 2.33 sec

ANNEX 1 - PLOTS OF RF CONDUCTED EMISSIONS AT TRANSMITTER ANTENNA PORT

MOBILE UHF TRANSCEIVER, Model IC-F221

Plot # 24

FCC ID: AFJ262301



ICOM AMERICA.

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

SPACING) MODEL IC-F221

CH : 8 FREQUENCY 475.1 MHz OUTPUT POWER 36.5 dBm

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

TRANSMITTER CONDUCTED EMISSION

Date: Jan 22 2013
Tested By: Wayne

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 3.325 GHz

-46.96 dBm

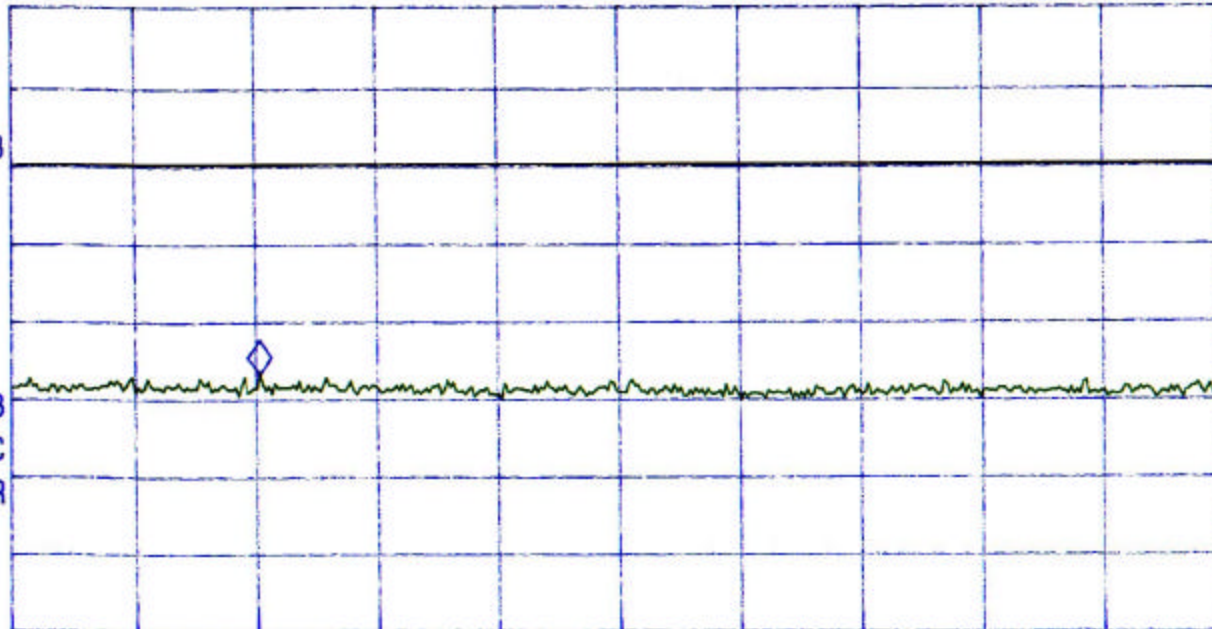
Plot # 24

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

ANNEX 1 - PLOTS OF RF CONDUCTED EMISSIONS AT TRANSMITTER ANTENNA PORT

MOBILE UHF TRANSCEIVER, Model IC-F221

Plot # 25

FCC ID: AFJ262301



ICOM AMERICA.

LAND MOBILE UHF RADIOTRANSCEIVER (440-490MHz Hi45 W, 12.5&25K CH
SPACING) MODEL IC-F221
CH : 4 FREQUENCY 487.1 MHz. OUTPUT POWER 36.29 dBm.
CH SPACING 12.5 KHz. MOD : FM, 2.5KHz SINE WAVE. FREQUENCY DEV : _____ KHz
TRANSMITTER CONDUCTED EMISSION

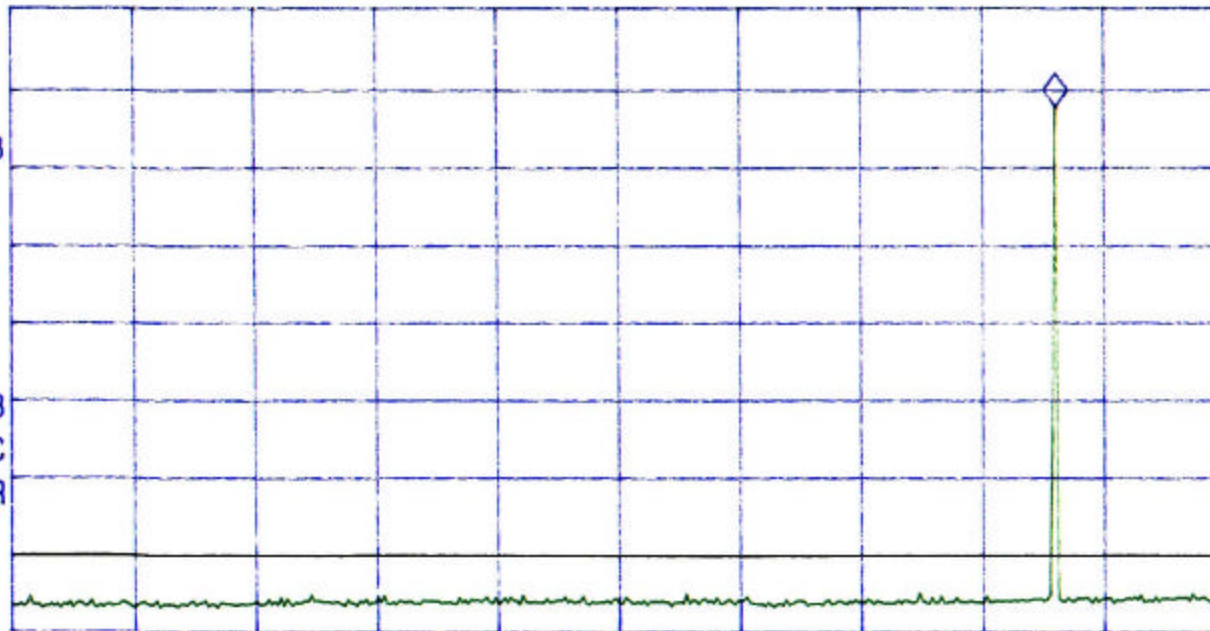
Date: Jan 22 2003
Tested By: Wayne

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 491.6 MHz
37.33 dBm
PLOT # 25

LOG REF OFFST 30.0 dB
REF 50.0 dBm

10
dB/
ATN
30 dB

VA SB
SC FC
CORR



START 10.0 MHz

#IF BW 100 kHz

AVG BW 30 kHz

STOP 570.0 MHz

SWP 560 msec

ANNEX 1 - PLOTS OF RF CONDUCTED EMISSIONS AT TRANSMITTER ANTENNA PORT

MOBILE UHF TRANSCEIVER, Model IC-F221

Plot # 26

FCC ID: AFJ262301



ICOM AMERICA.

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

SPACING) MODEL IC-F221

CH : 9 FREQUENCY 439.9 MHz. OUTPUT POWER 3629 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 #26

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

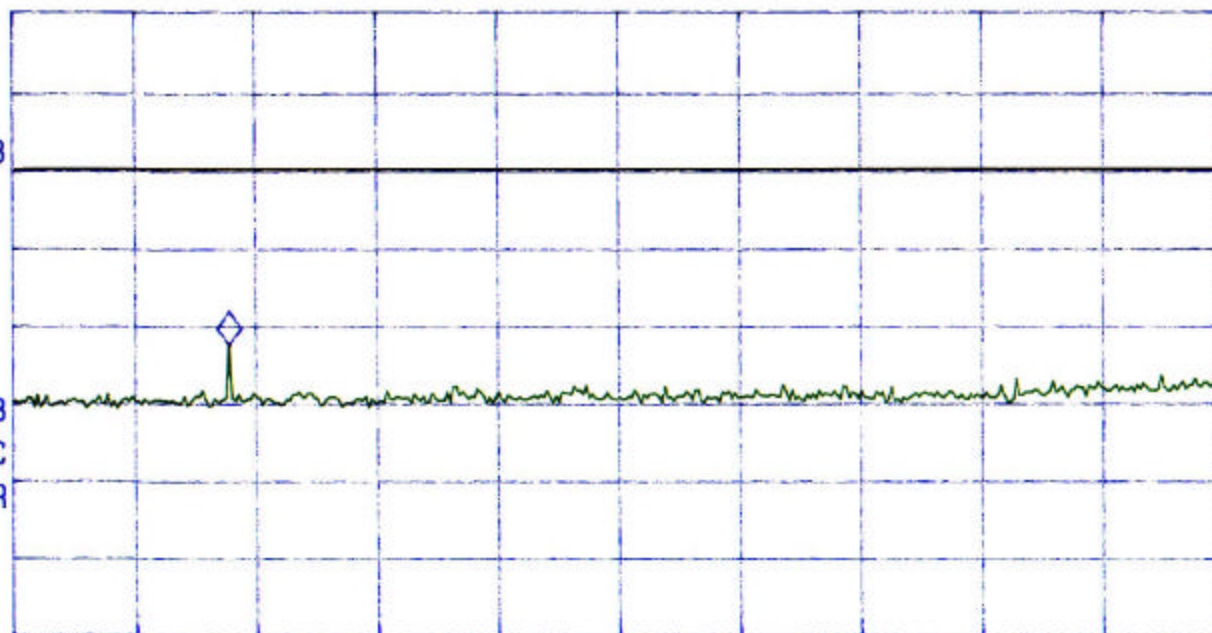
MKR 984 MHz

-42.75 dBm

REF OFFST 30.0 dB
LOG REF .0 dBm

10
dB/
ATN
10 dB

VA SB
SC FC
CORR



START 570 MHz

#IF BW 100 kHz

AVG BW 30 kHz

STOP 2.900 GHz

SWP 2.33 sec

ANNEX 1 - PLOTS OF RF CONDUCTED EMISSIONS AT TRANSMITTER ANTENNA PORT

MOBILE UHF TRANSCEIVER, Model IC-F221

Plot # 27

FCC ID: AFJ262301



ICOM AMERICA.

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

SPACING) MODEL IC-F221

CH : 9 FREQUENCY 487.1 MHz, OUTPUT POWER 36.29 dBm.

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

TRANSMITTER CONDUCTED EMISSION

Date: Jan 22 2003

Tested By: _____

Plot 27

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MKR 3.273 GHz

-48.23 dBm

REF OFFST 30.0 dB

LOG REF .0 dBm

10

dB/

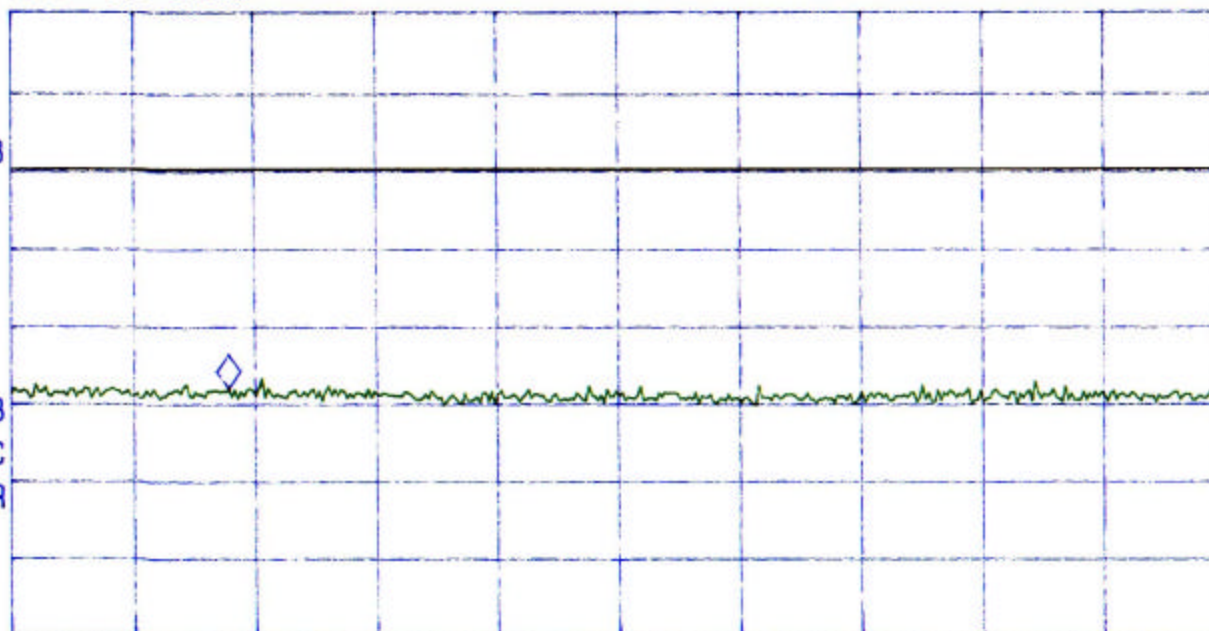
ATN

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