

ANNEX 1 - TEST DATA PLOTS

Plot # 1
 99 % Occupied Bandwidth
 Carrier Frequency: 746.5 MHz
 Modulation: 16QAM, 64 kbps data rate
 Channel Spacing: 25 kHz
 Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

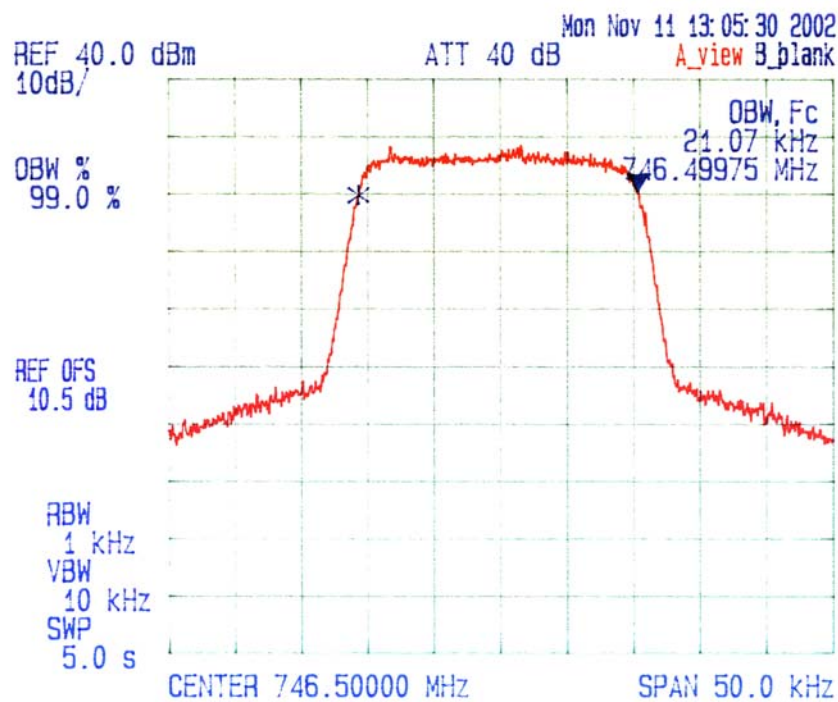
Tx. Frequency: 746.5 MHz

Modulation: 16QAM, 64 kbps data rate, Data Rate: 64 kbps

99 % OBW

Date: Nov. 11 2002
 Tested by: Hung Trinh

Plot #1



ANNEX 1 - TEST DATA PLOTS

Plot # 2
99 % Occupied Bandwidth
Carrier Frequency: 762.025 MHz
Modulation: 16QAM, 64 kbps data rate
Channel Spacing: 25 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

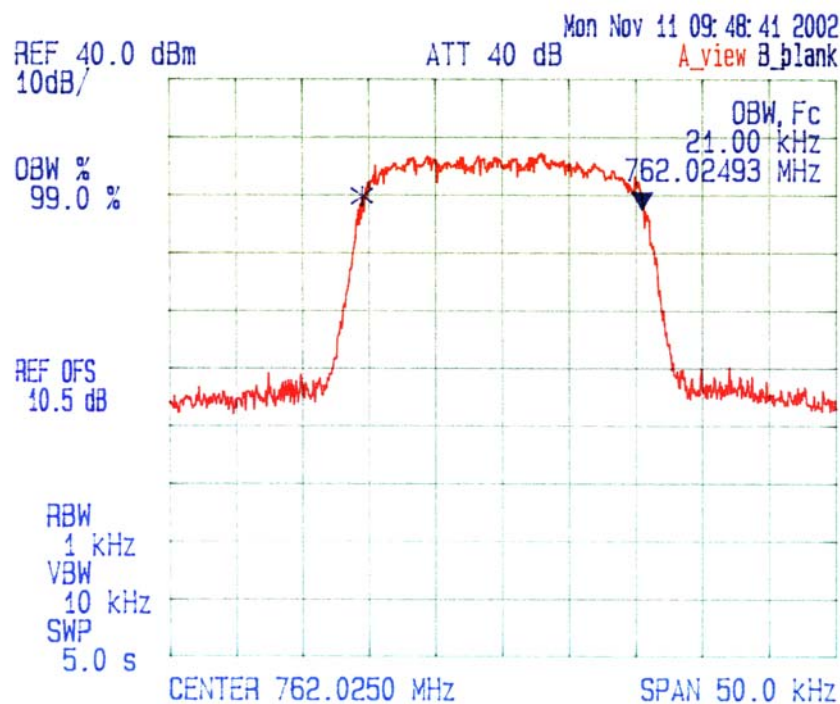
LEDR700S Radio Transceiver

Tx. Frequency: 762.025 MHz

Modulation: 16QAM, 64 kbps data rate, 99 % OBW

Date: Nov. 11, 2002
Tested by: Hung Trinh

Plot #2



ANNEX 1 - TEST DATA PLOTS

Plot # 3
 99 % Occupied Bandwidth
 Carrier Frequency: 763.975 MHz
 Modulation: 16QAM, 64 kbps data rate
 Channel Spacing: 25 kHz
 Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

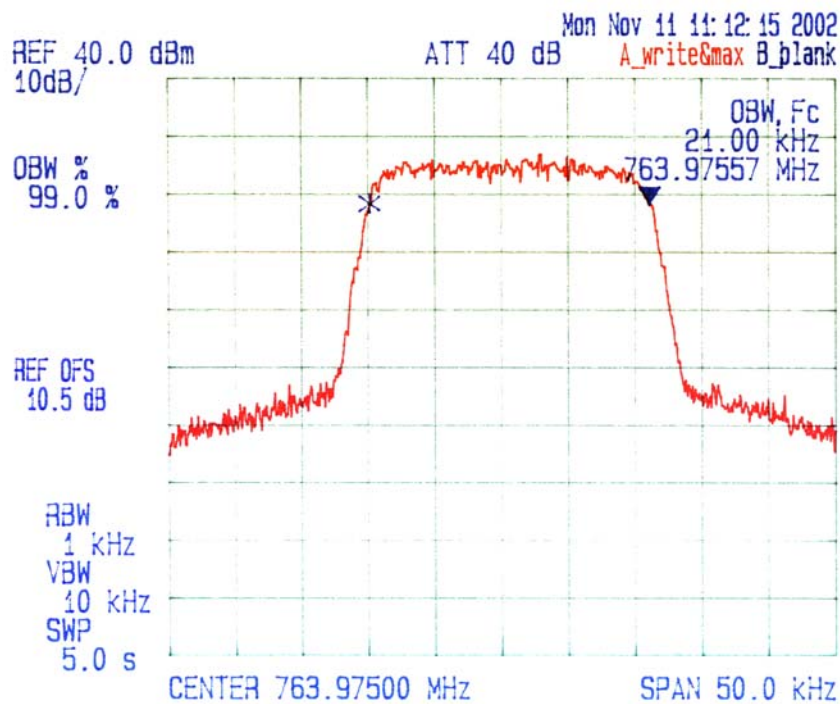
Tx. Frequency: 763.975 MHz

Modulation: 16QAM, 64 kbps, DataRate: 64 kbps

99 % OBW

Date: Nov. 11 2002
 Tested by: Hung Trinh

Plot # 3



ANNEX 1 - TEST DATA PLOTS

Plot # 4
99 % Occupied Bandwidth
Carrier Frequency: 776.500 MHz
Modulation: 16QAM, 64 kbps data rate
Channel Spacing: 25 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

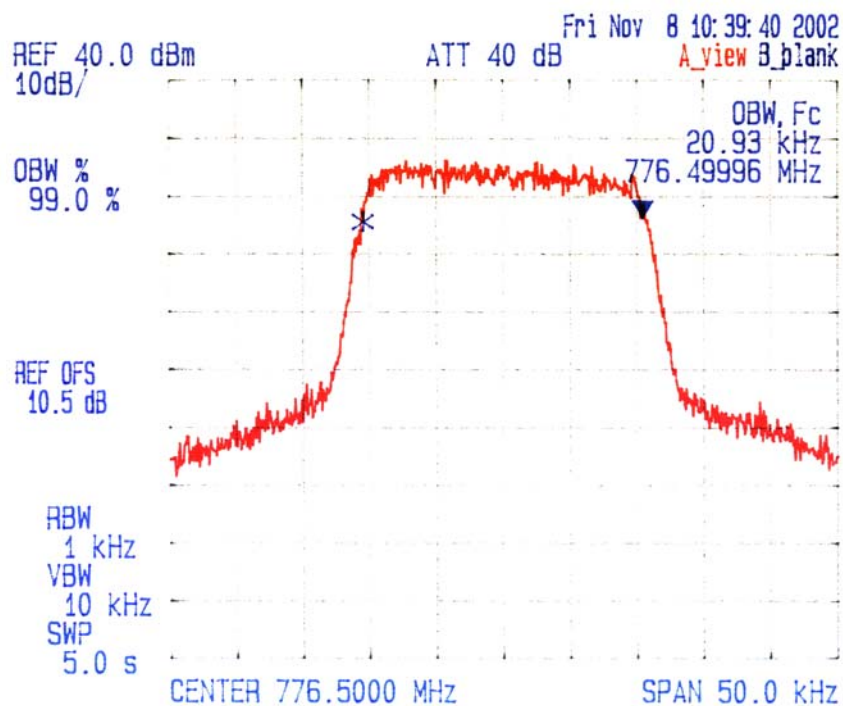
Tx. Frequency: 776.5 MHz

Modulation: 16QAM

99 % OBW

Date: Nov. 8 2002
Tested by: Hung Trinh

Plot # 4



ANNEX 1 - TEST DATA PLOTS

Plot # 5
99 % Occupied Bandwidth
Carrier Frequency: 792.025 MHz
Modulation: 16QAM, 64 kbps data rate
Channel Spacing: 25 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

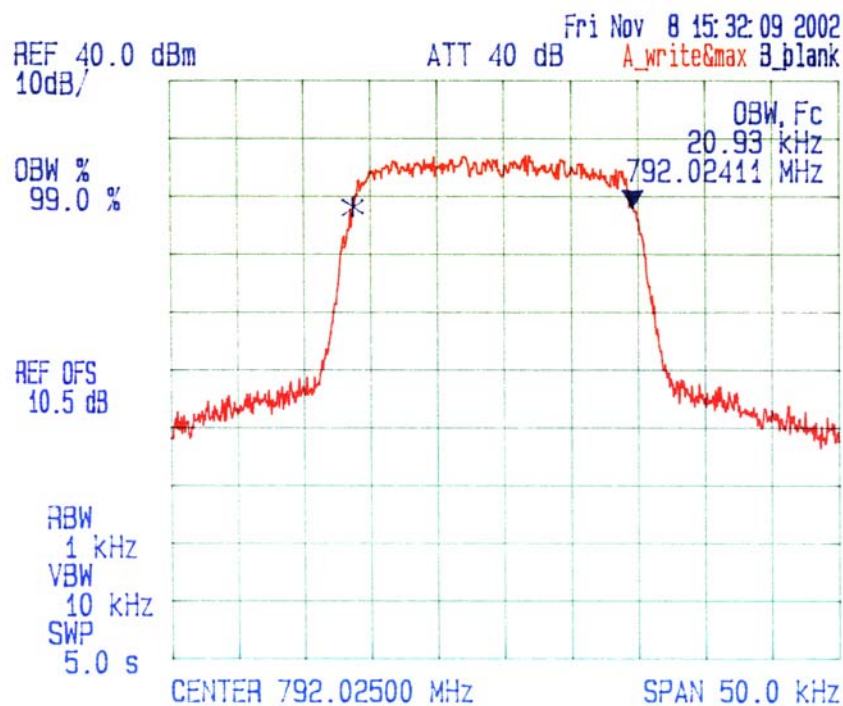
Tx. Frequency: 792.025 MHz

Modulation: 16QAM 64 kbps env. Data Rate: 64 kbps

99 % OBW

Date: Nov. 8 2002
Tested by: Hung Trinh

Plot # 5



ANNEX 1 - TEST DATA PLOTS

Plot # 6
99 % Occupied Bandwidth
Carrier Frequency: 793.975 MHz
Modulation: 16QAM, 64 kbps data rate
Channel Spacing: 25 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

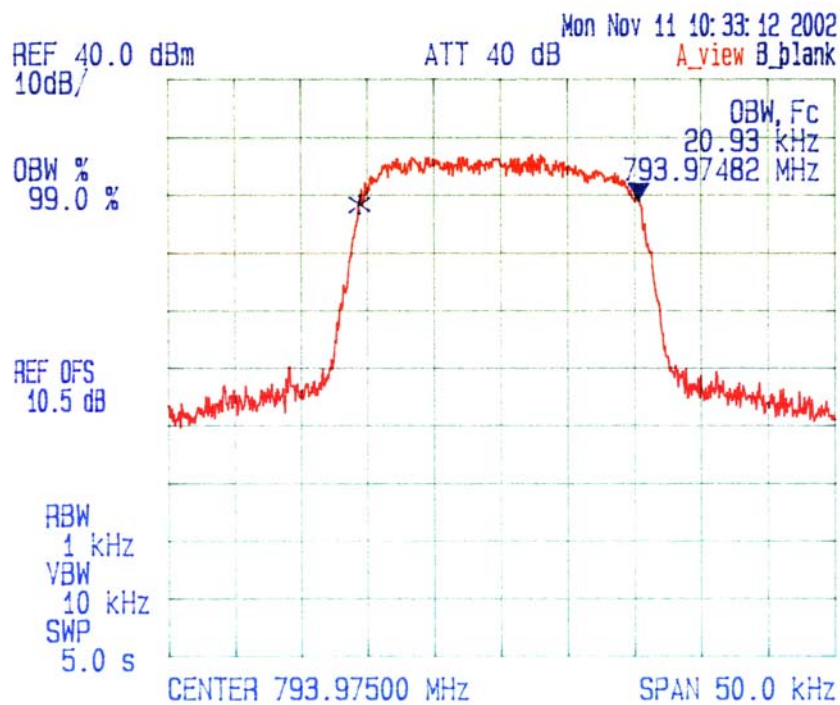
Tx. Frequency: 793.975 MHz

Modulation: 16QAM 64 kbps, Data Rate: 64 kbps

99 % OBW

Date: Nov. 11 2002
Tested by: Hung Trinh

Plot # 6



ANNEX 1 - TEST DATA PLOTS

Plot # 7
99 % Occupied Bandwidth
Carrier Frequency: 746.500 MHz
Modulation: 16QAM, 128 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

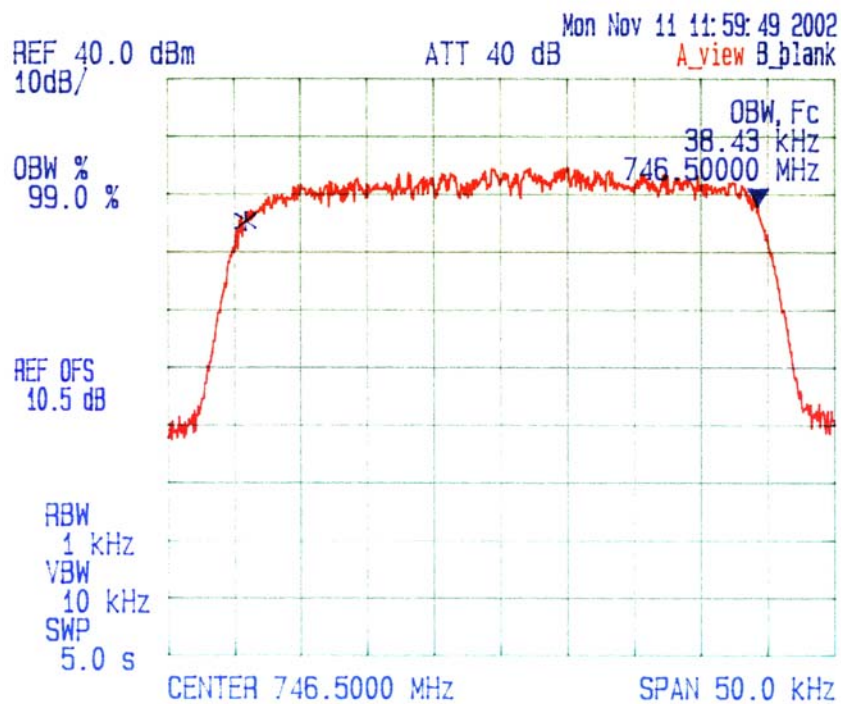
Tx. Frequency: 746.500 MHz

Modulation: 16QAM 400000 bps, Data Rate: 128 kbps

99 % OBW

Date: Nov. 11 2002
Tested by: Hung Trinh

Plot #7



ANNEX 1 - TEST DATA PLOTS

Plot # 8
99 % Occupied Bandwidth
Carrier Frequency: 762.050 MHz
Modulation: 16QAM, 128 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

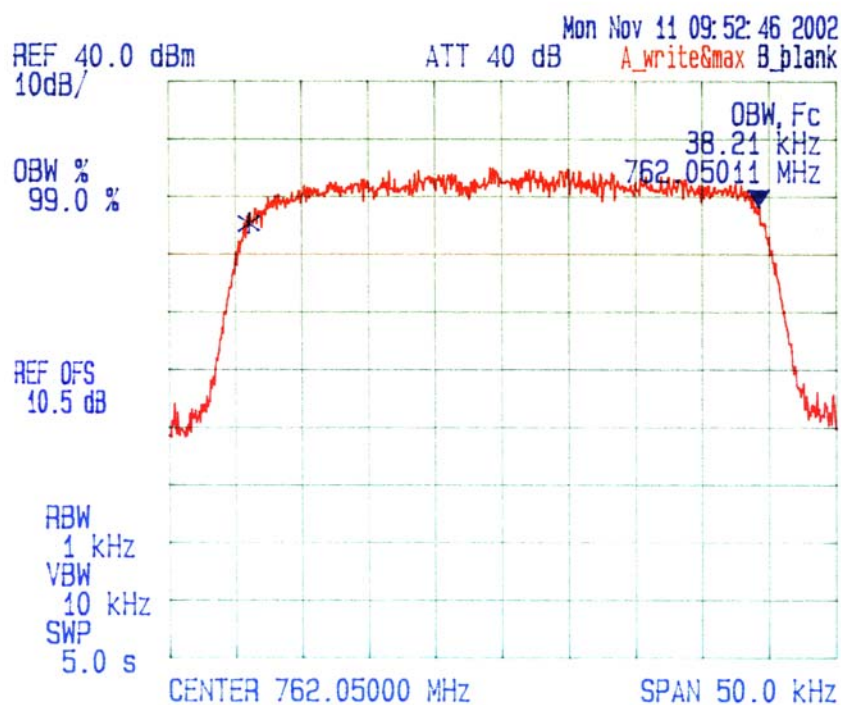
Tx. Frequency: 762.05 MHz

Modulation: 16QAM, 128 kbps data rate, 3.1V, Data Rate: 128 kbps

99 % OBW

Date: Nov. 11 2002
Tested by: Hung Trinh

Plot # 8



ANNEX 1 - TEST DATA PLOTS

Plot # 9
99 % Occupied Bandwidth
Carrier Frequency: 763.950 MHz
Modulation: 16QAM, 128 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

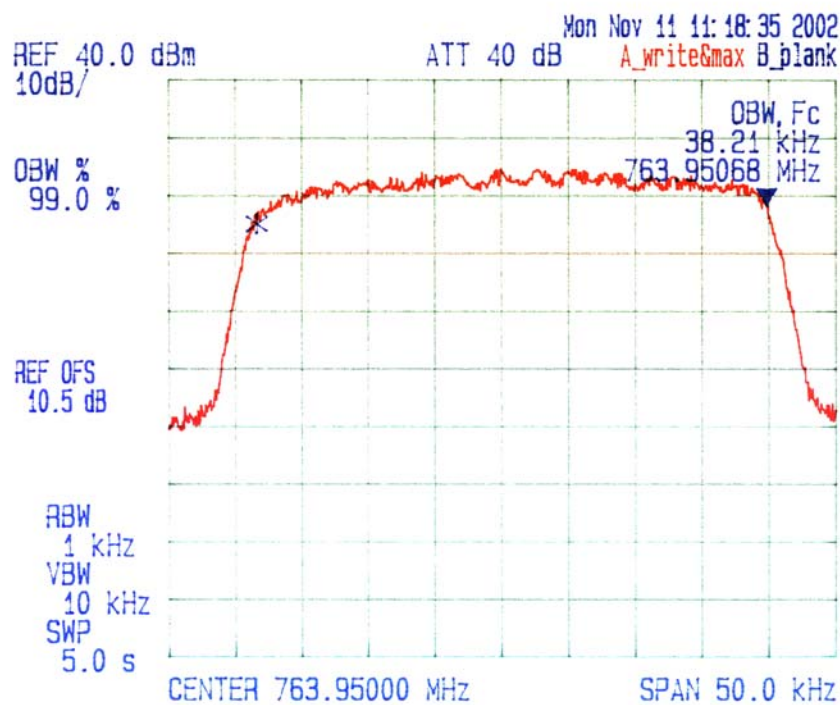
Tx. Frequency: 763.950 MHz

Modulation: 16QAM, 128 kbps, Data Rate: 64 kbps

99 % OBW

Date: Nov. 11 2002
Tested by: Hung Trinh

Plot # 9



ANNEX 1 - TEST DATA PLOTS

Plot # 10
99 % Occupied Bandwidth
Carrier Frequency: 776.500 MHz
Modulation: 16QAM, 128 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

Tx. Frequency: 776.5 MHz

Modulation: 16QAM 128 kbps
99 % OBW

Date: Nov. 8 2002
Tested by: Hung Trinh

Plot #10

Data Rate: 128 kbps

Fri Nov 8 10:43:35 2002

REF 40.0 dBm
10dB/

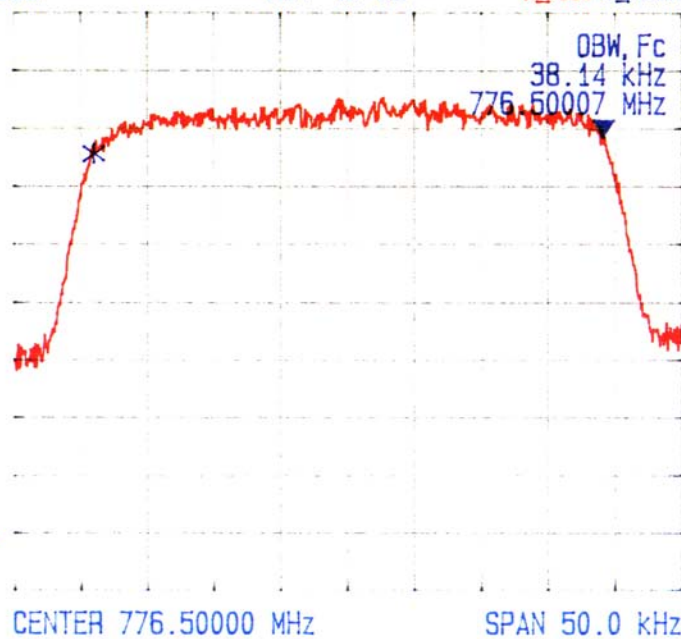
ATT 40 dB

A_view B_blank

OBW %
99.0 %

REF OFS
10.5 dB

RBW
1 kHz
VBW
10 kHz
SWP
5.0 s



ANNEX 1 - TEST DATA PLOTS

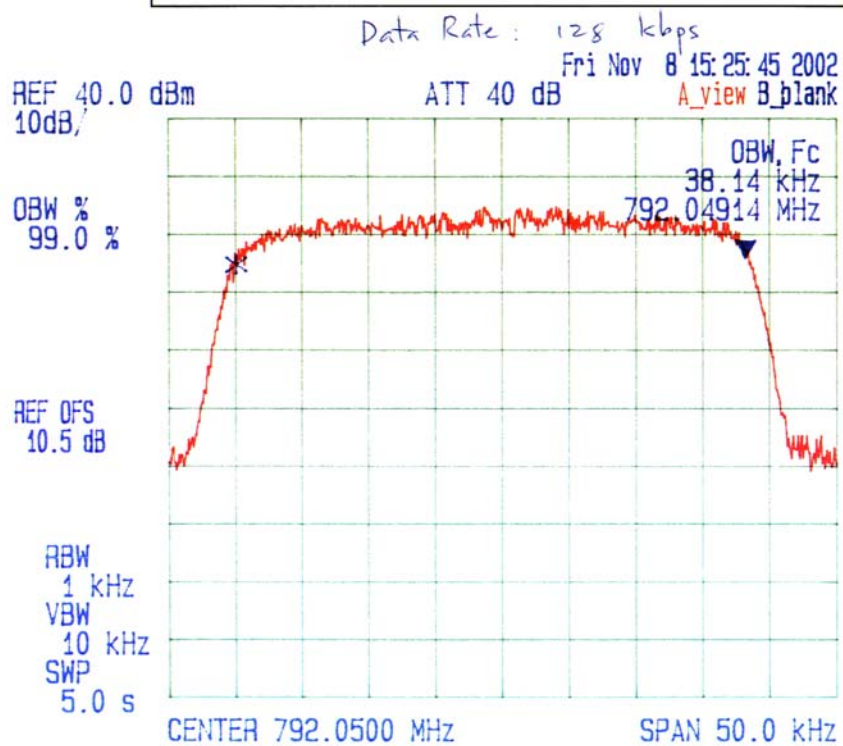
Plot # 11
99 % Occupied Bandwidth
Carrier Frequency: 792.050 MHz
Modulation: 16QAM, 128 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 792.05 MHz
Modulation: 16 QAM 128 kbps
99 % OBW

Date: Nov. 8, 2002
Tested by: Hung Trinh

Plot # 11



ANNEX 1 - TEST DATA PLOTS

Plot # 12
 99 % Occupied Bandwidth
 Carrier Frequency: 793.950 MHz
 Modulation: 16QAM, 128 kbps data rate
 Channel Spacing: 150 kHz
 Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

Tx. Frequency: 793.950 MHz

Modulation: 16 QAM 128 kbps data rate

99 % OBW

Date: Nov. 11 2002
 Tested by: Hung Trinh

Plot # 12

data Rate : 128 kbps

Mon Nov 11 10:28:39 2002

REF 40.0 dBm
 10dB

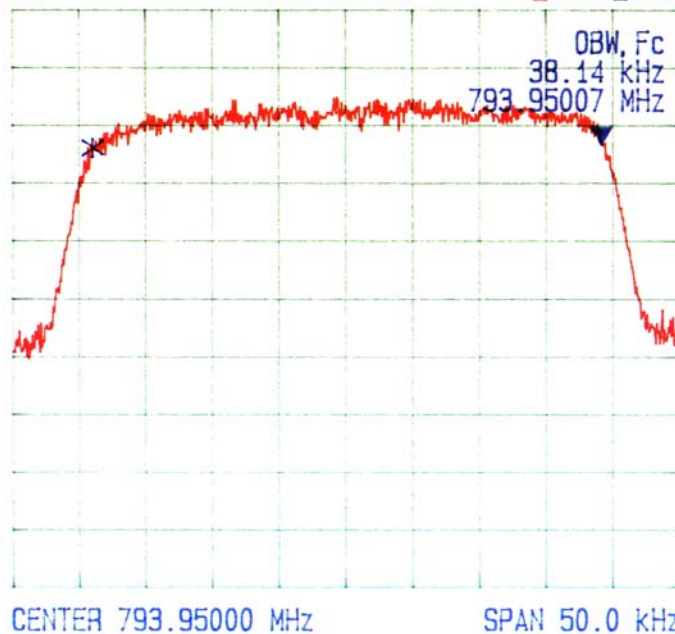
ATT 40 dB

A_view B_blank

OBW %
 99.0 %

REF OFS
 10.5 dB

RBW
 1 kHz
 VBW
 10 kHz
 SWP
 5.0 s



ANNEX 1 - TEST DATA PLOTS

Plot # 13
99 % Occupied Bandwidth
Carrier Frequency: 746.500 MHz
Modulation: 16QAM, 256 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

Tx. Frequency: 746.500 MHz

Modulation: 16 QAM 256 kbps
99 % OBW

Date: Nov. 11 2002
Tested by: Hung Trinh

Plot # 13

Data Rate : 256 kbps

Mon Nov 11 11:56:51 2002

REF 40.0 dBm
10dB/

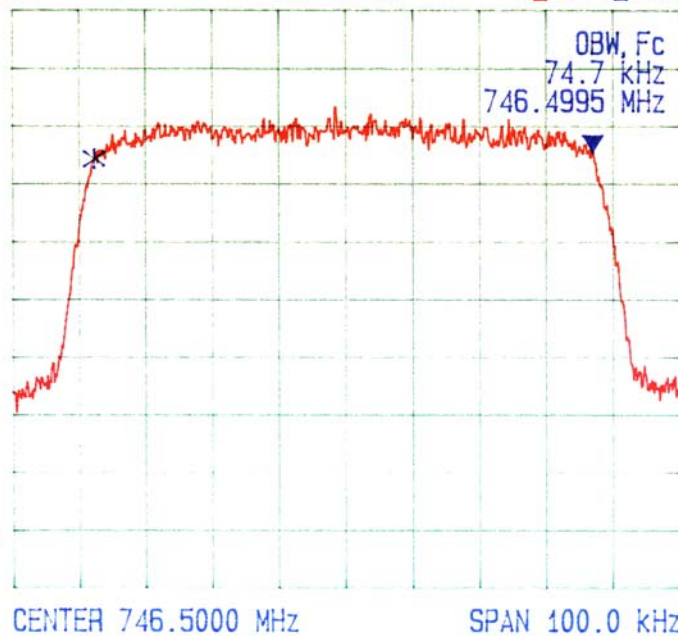
ATT 40 dB

A_view B_blank

OBW %
99.0 %

REF OFS
10.5 dB

RBW
1 kHz
VBW
10 kHz
SWP
5.0 s



ANNEX 1 - TEST DATA PLOTS

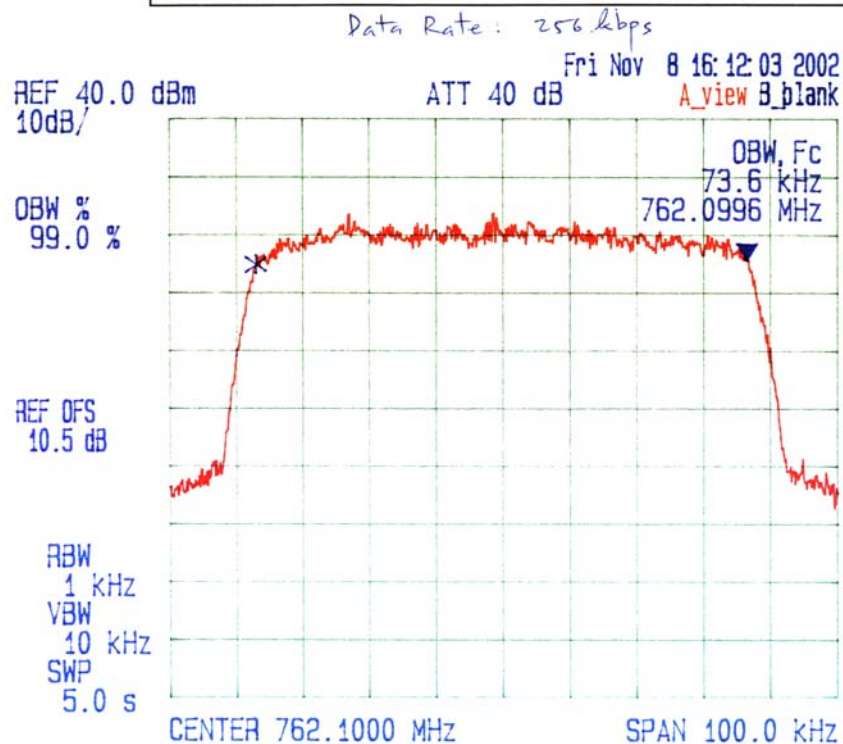
Plot # 14
99 % Occupied Bandwidth
Carrier Frequency: 762.100 MHz
Modulation: 16QAM, 256 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 762.1 MHz
Modulation: 16QAM 256 kbps
99 % OBW

Date: Nov. 8 2002
Tested by: Hung Trinh

Plot # 14



ANNEX 1 - TEST DATA PLOTS

Plot # 15
99 % Occupied Bandwidth
Carrier Frequency: 763.900 MHz
Modulation: 16QAM, 256 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

Tx. Frequency: 763.9 MHz

Modulation: 16QAM TS 1.2 W
99 % OBW

Date: Nov. 11 2002
Tested by: Hung Trinh

Plot # 15

Data Rate: 256 kbps

Mon Nov 11 11:24:43 2002

REF 40.0 dBm
10dB/

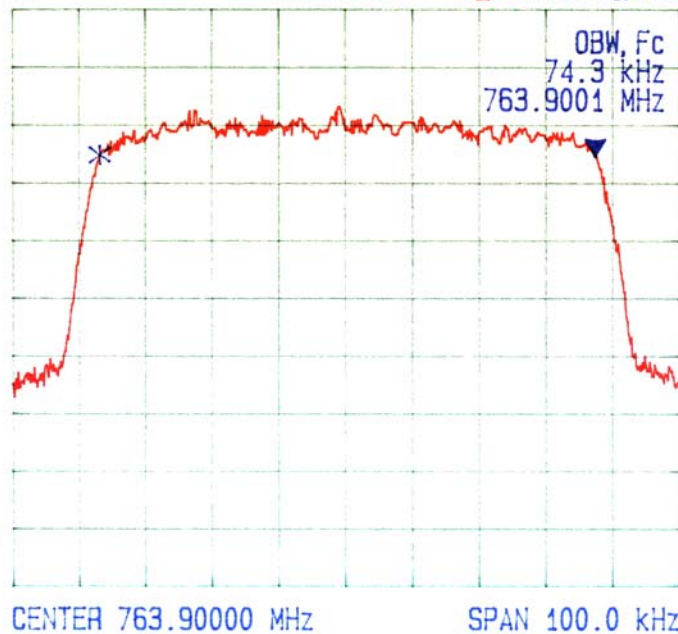
ATT 40 dB

A_write&max B_blank

OBW %
99.0 %

REF OFS
10.5 dB

RBW
1 kHz
VBW
10 kHz
SWP
5.0 s



ANNEX 1 - TEST DATA PLOTS

Plot # 16
 99 % Occupied Bandwidth
 Carrier Frequency: 776.500 MHz
 Modulation: 16QAM, 256 kbps data rate
 Channel Spacing: 150 kHz
 Power: 1.2 W



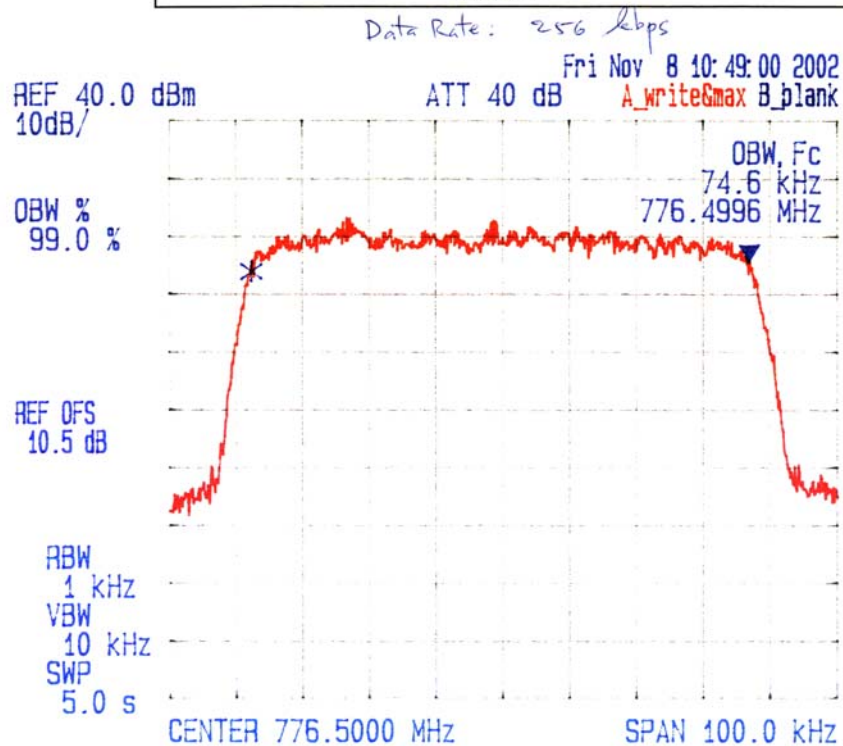
MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

Tx. Frequency: 776.5 MHz
 Modulation: 16QAM 256 kbps 150 kHz 99 % OBW

Date: Nov. 8 2002
 Tested by: Hung Trinh

Plot # 16



ANNEX 1 - TEST DATA PLOTS

Plot # 17
99 % Occupied Bandwidth
Carrier Frequency: 792.100 MHz
Modulation: 16QAM, 256 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

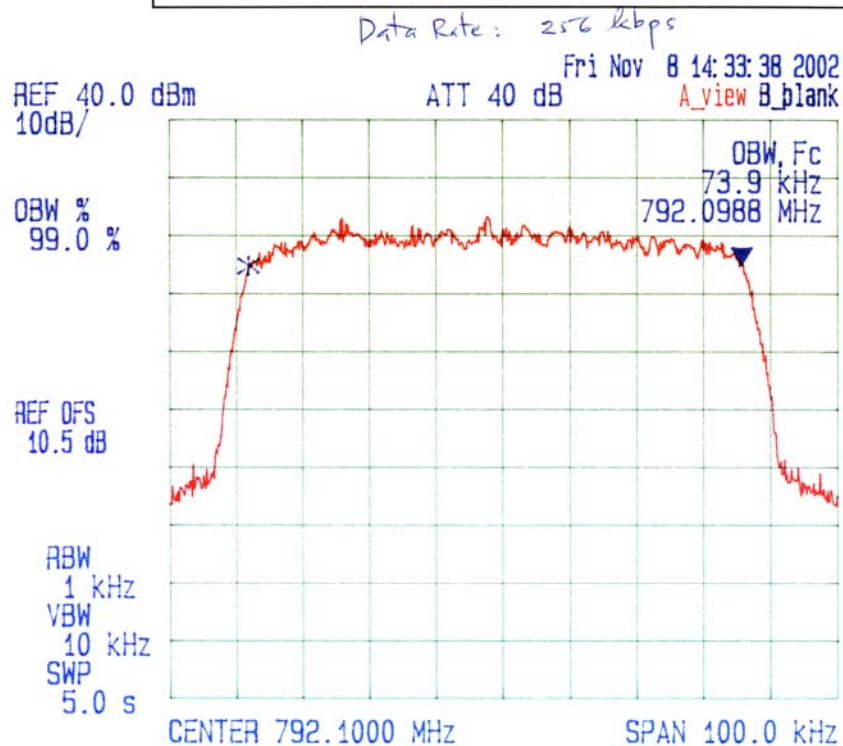
Tx. Frequency: 792.1 MHz

Modulation: 16 QAM 256 kbps

99 % OBW

Date: Nov. 8 2002
Tested by: Hung Trinh

Plot # 17



ANNEX 1 - TEST DATA PLOTS

Plot # 18
99 % Occupied Bandwidth
Carrier Frequency: 793.900 MHz
Modulation: 16QAM, 256 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

Tx. Frequency: 793.9 MHz

Modulation: 16QAM 256 kbps

99 % OBW

Date: Nov. 11, 2002
Tested by: Hung Trinh

Plot # 18

Data Rate: 256 kbps

Mon Nov 11 10:24:14 2002

ATT 40 dB

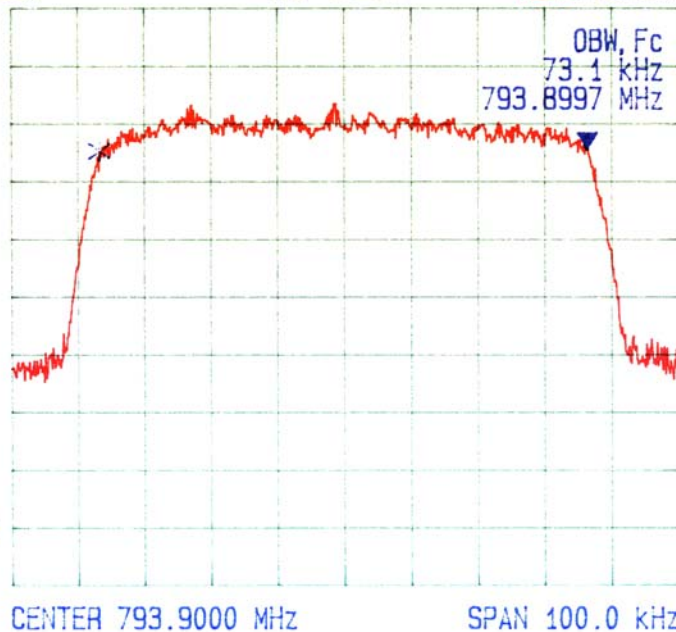
A_view B_blank

REF 40.0 dBm
10dB/

OBW %
99.0 %

REF OFS
10.5 dB

RBW
1 kHz
VBW
10 kHz
SWP
5.0 s



ANNEX 1 - TEST DATA PLOTS

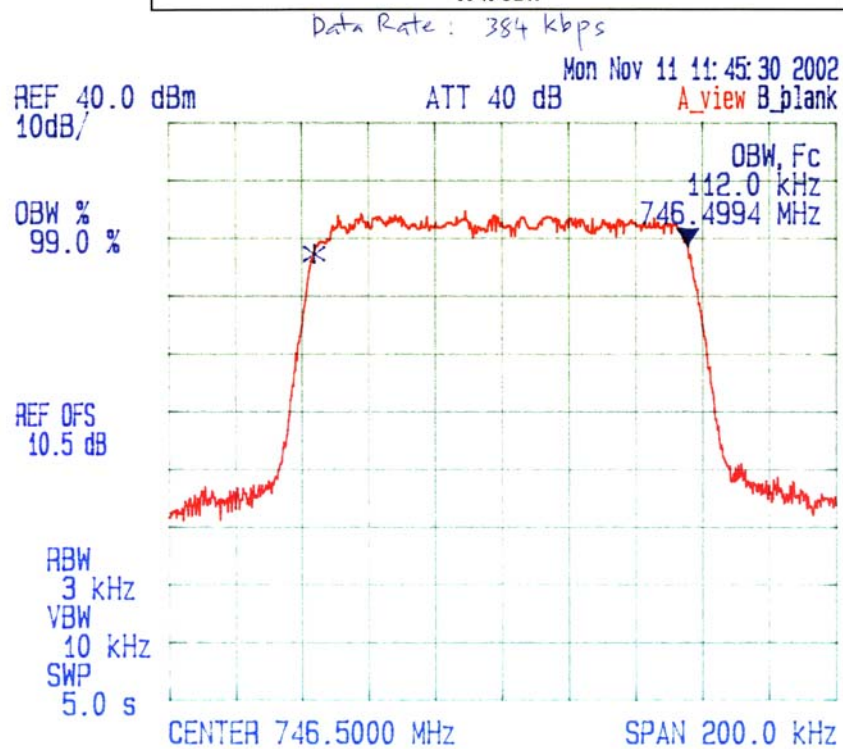
Plot # 19
99 % Occupied Bandwidth
Carrier Frequency: 746.500 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 746.5 MHz
Modulation: 16QAM 110 kHz 3.1V
99 % OBW

Date: Nov. 11 2002
Tested by: Hung Trinh

plot 19



ANNEX 1 - TEST DATA PLOTS

Plot # 20
99 % Occupied Bandwidth
Carrier Frequency: 762.075 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

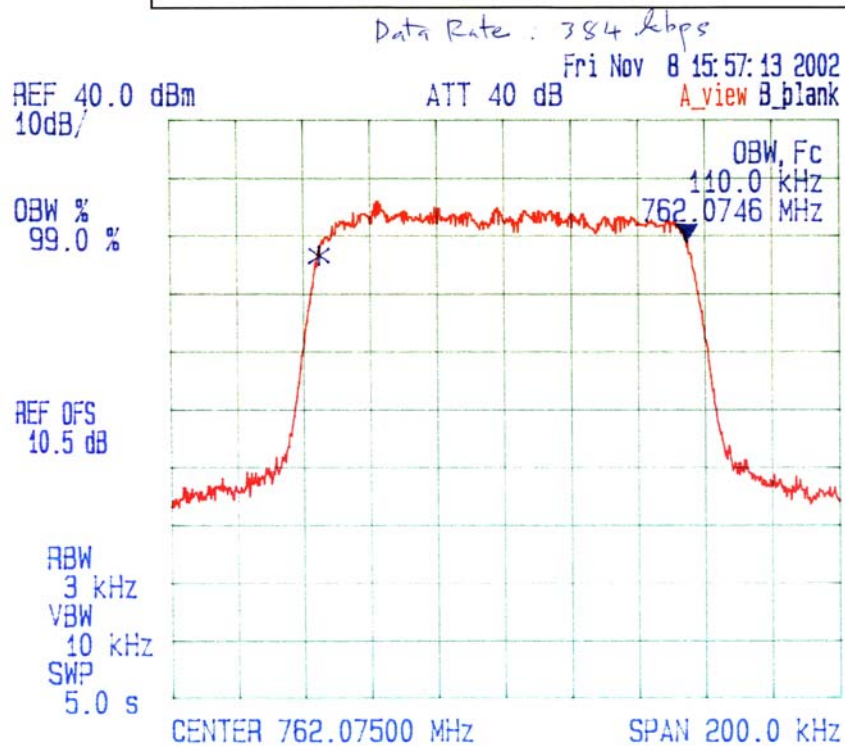
Tx. Frequency: 762.075 MHz

Modulation: 16 QAM 110 kHz BW

99 % OBW

Date: Nov. 8 2002
Tested by: Hung Trinh

Plot 20



ANNEX 1 - TEST DATA PLOTS

Plot # 21
99 % Occupied Bandwidth
Carrier Frequency: 763.925 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

Tx. Frequency: 763.925 MHz

Modulation: 16QAM 110 kHz 3W

99 % OBW

Date: Nov. 11 2002
Tested by: Hung Trinh

Plot 21

Data Rate: 384 kbps

Mon Nov 11 11:30:49 2002

ATT 40 dB

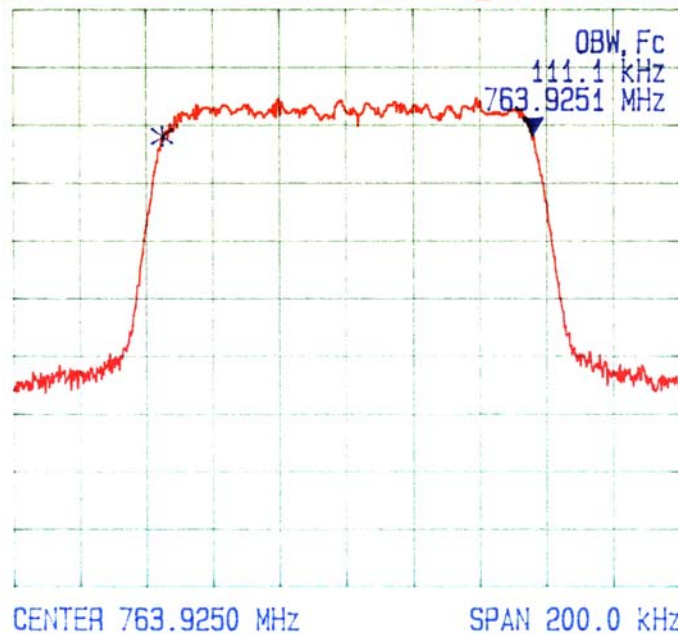
A_write&max B_blank

REF 40.0 dBm
10dB/

OBW %
99.0 %

REF OFS
10.5 dB

RBW
3 kHz
VBW
10 kHz
SWP
5.0 s



ANNEX 1 - TEST DATA PLOTS

Plot # 22
99 % Occupied Bandwidth
Carrier Frequency: 776.500 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

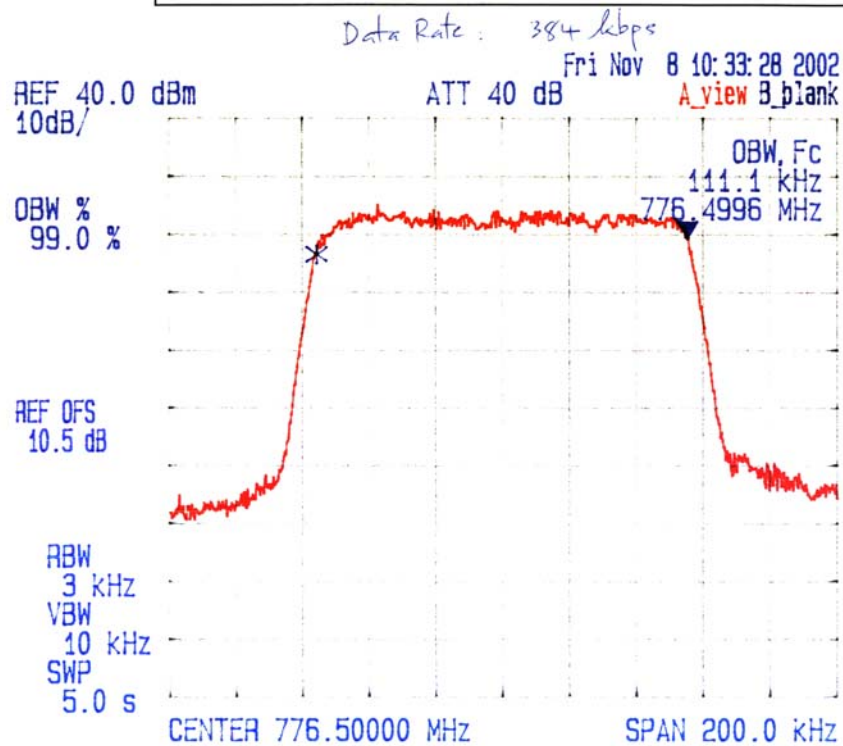
LEDR700S Radio Transceiver

Tx. Frequency: 776.5 MHz

Modulation: 16QAM 110 kHz BW
99 % OBW

Date: Nov. 8 2002
Tested by: Hung Trinh

Plot 22



ANNEX 1 - TEST DATA PLOTS

Plot # 23
99 % Occupied Bandwidth
Carrier Frequency: 792.075 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

Tx. Frequency: 792.075 MHz

Modulation: 16QAM 150 kHz BW

99 % OBW

Date: Nov. 8 2002
Tested by: Hung Trinh

Plot# 23

Data Rate: 384 kbps

Fri Nov 8 15:13:26 2002

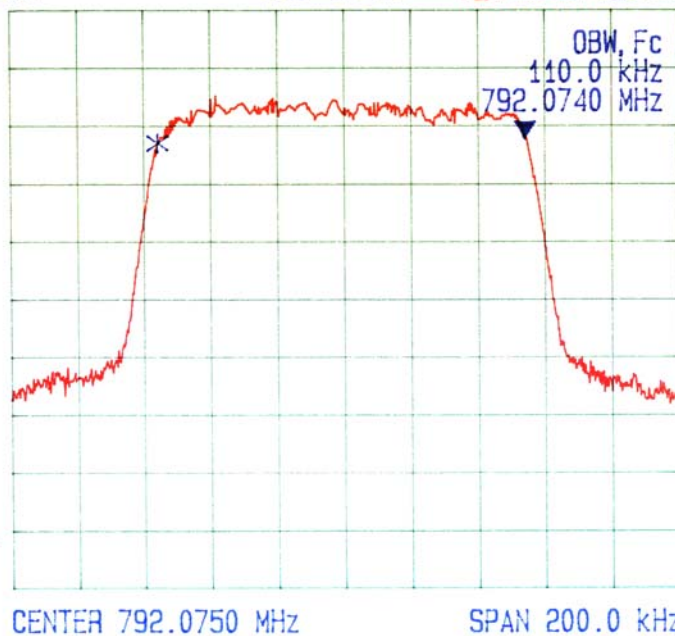
ATT 40 dB A_write&max B_blank

REF 40.0 dBm
10dB/

OBW %
99.0 %

REF OFS
10.5 dB

RBW
3 kHz
VBW
10 kHz
SWP
5.0 s



ANNEX 1 - TEST DATA PLOTS

Plot # 24
99 % Occupied Bandwidth
Carrier Frequency: 793.925 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.

LEDR700S Radio Transceiver

Tx. Frequency: 793.925 MHz

Modulation: 16QAM 110 kHz 31V

99 % OBW

Date: Nov. 11 2002
Tested by: Hung Trinh

Plot # 24

Data Rate: 384 kbps

Mon Nov 11 10:07:08 2002

ATT 40 dB

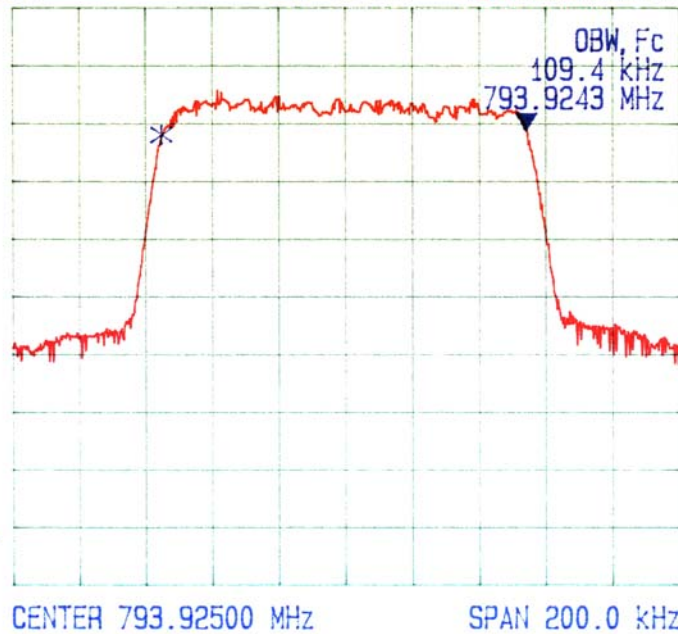
A_write&max B_blank

REF 40.0 dBm
10dB/

OBW %
99.0 %

REF OFS
10.5 dB

RBW
3 kHz
VBW
10 kHz
SWP
5.0 s



ANNEX 1 - TEST DATA PLOTS

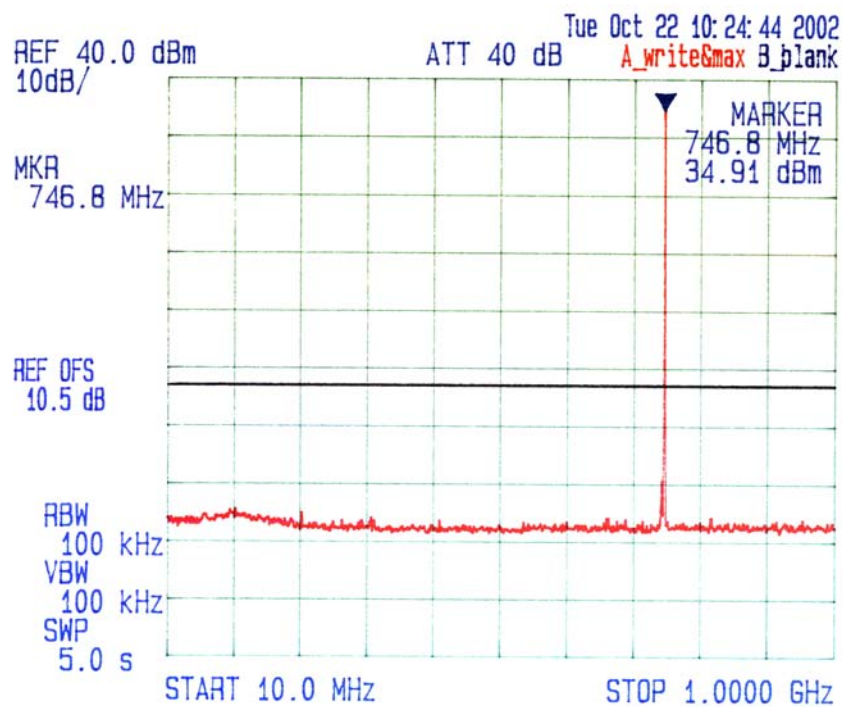
Plot # 25
Spurious Emissions at Antenna Terminals
Carrier Frequency: 746.5 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 746.5 MHz
Modulation: 16 QAM 384 kbps
TRANSMITTER ANTENNA POWER CONDUCTED EMISSIONS

Date: Oct. 22 2002
Tested by: Hung Trinh

Plot #25



ANNEX 1 - TEST DATA PLOTS

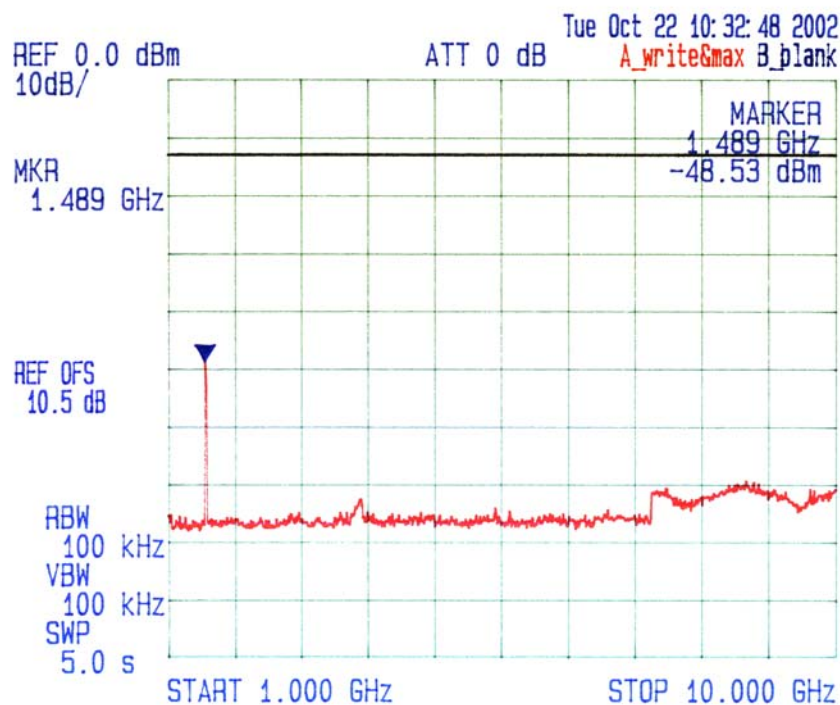
Plot #26
Spurious Emissions at Antenna Terminals
Carrier Frequency: 746.5 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 746.5 MHz
Modulation: 16QAM 384 kbps 1.2 W
TRANSMITTER ANTENNA POWER CONDUCTED EMISSIONS

Date: Oct. 22 2002
Tested by: Hung Trinh

Plot# 26



ANNEX 1 - TEST DATA PLOTS

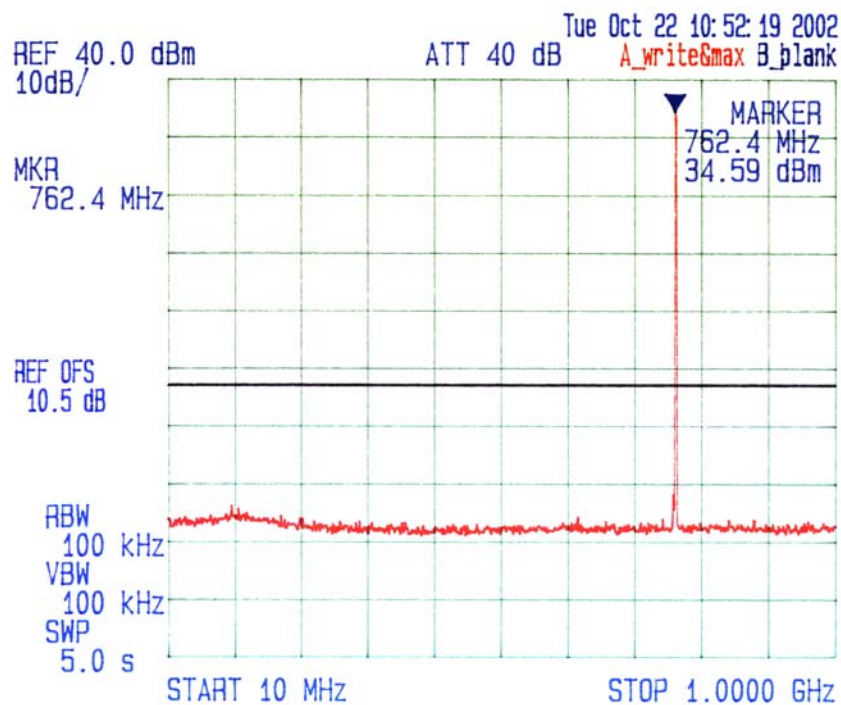
Plot # 27
Spurious Emissions at Antenna Terminals
Carrier Frequency: 762.075 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 762.075 MHz
Modulation: 16QAM 150 kHz B.V
TRANSMITTER ANTENNA POWER CONDUCTED EMISSIONS

Date: Oct. 22 2002
Tested by: Hung Trinh

Plot # 27



ANNEX 1 - TEST DATA PLOTS

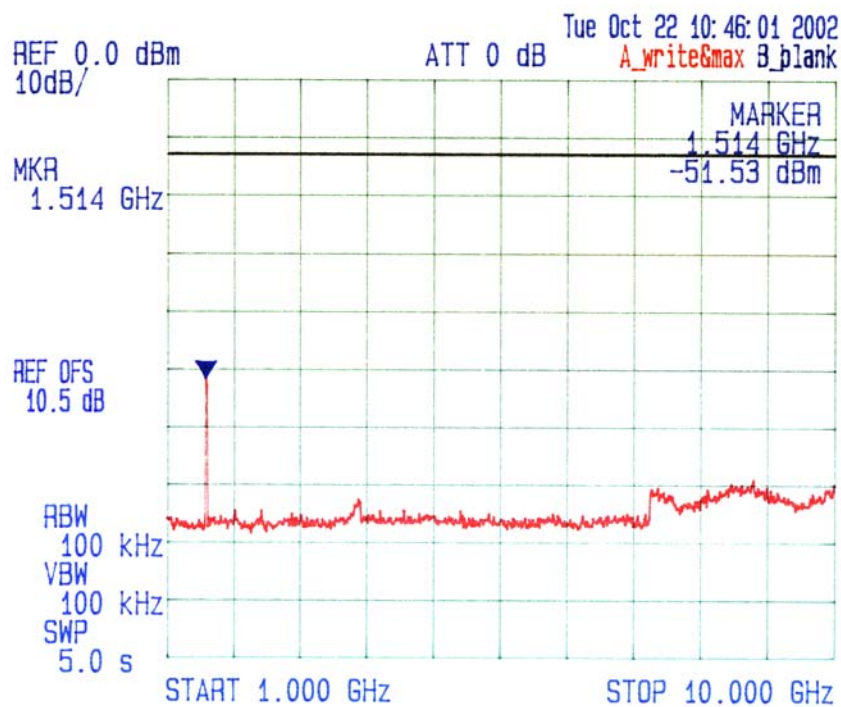
Plot # 28
Spurious Emissions at Antenna Terminals
Carrier Frequency: 762.075 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 762.075 MHz
Modulation: 16QAM 384 kbps
TRANSMITTER ANTENNA POWER CONDUCTED EMISSIONS

Date: Oct. 22 2002
Tested by: Hung Trinh

Plot#28



ANNEX 1 - TEST DATA PLOTS

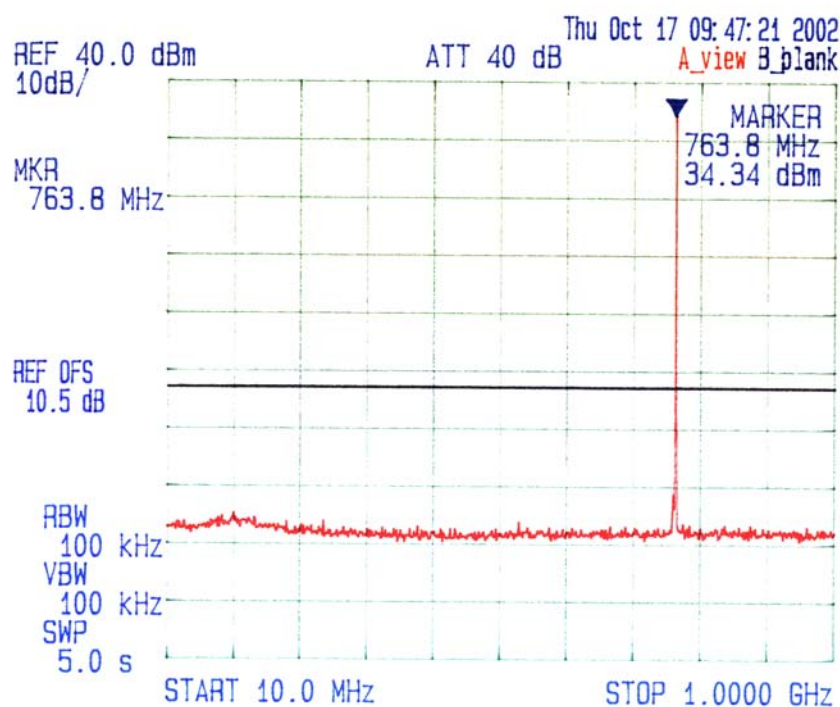
Plot # 29
Spurious Emissions at Antenna Terminals
Carrier Frequency: 763.925 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 763.925 MHz
Modulation: 16QAM 384 kbps BPS
TRANSMITTER ANTENNA POWER CONDUCTED EMISSIONS

Date: Oct. 17 2002
Tested by: Hung Trinh

Plot # 29



ANNEX 1 - TEST DATA PLOTS

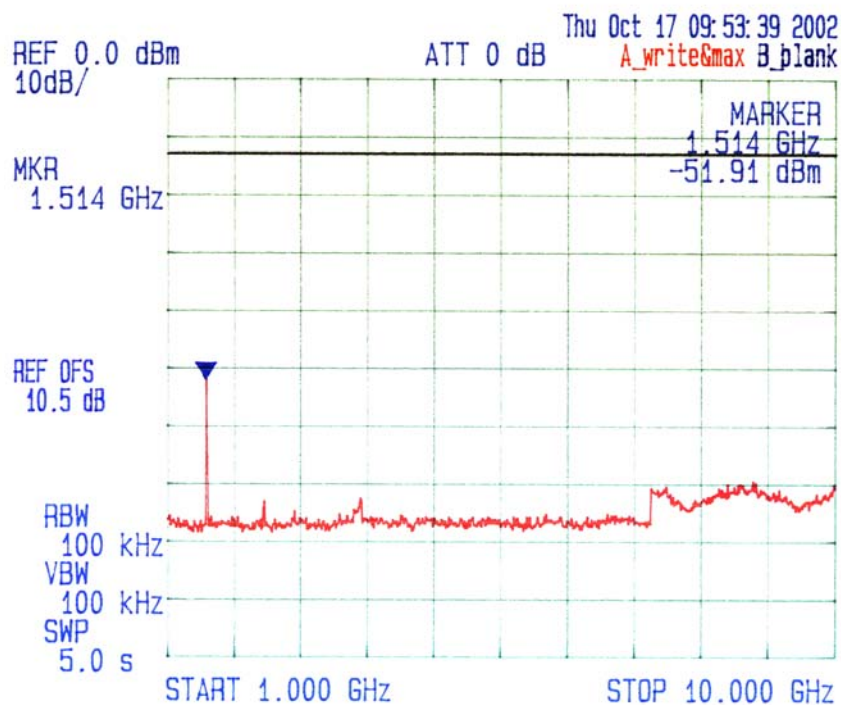
Plot #30
Spurious Emissions at Antenna Terminals
Carrier Frequency: 763.925 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 763.925 MHz
Modulation: 16QAM 384kbps B.V
TRANSMITTER ANTENNA POWER CONDUCTED EMISSIONS

Date: Oct. 17 2002
Tested by: Hung Trinh

Plot #30



ANNEX 1 - TEST DATA PLOTS

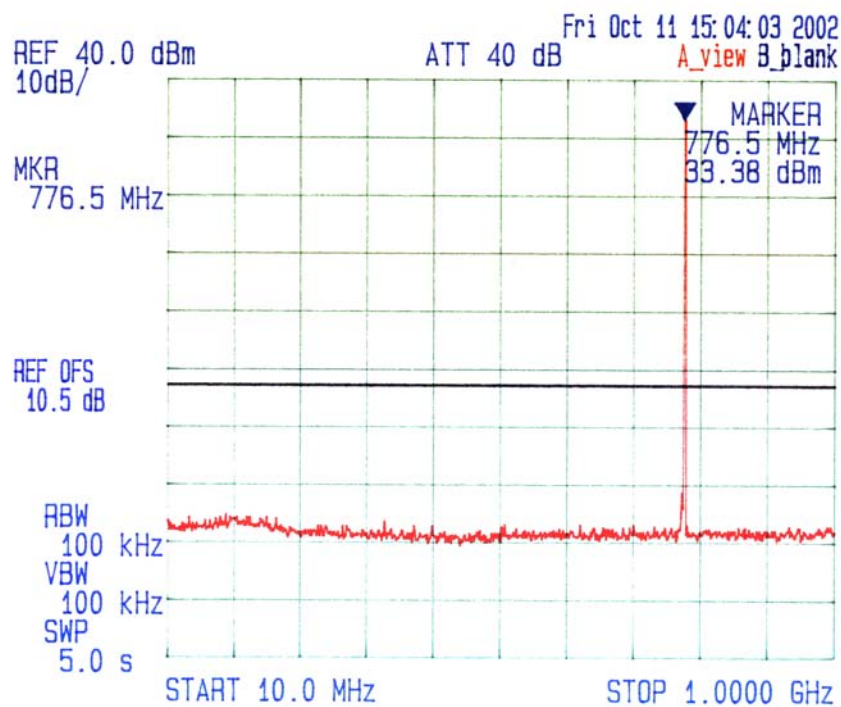
Plot # 31
Spurious Emissions at Antenna Terminals
Carrier Frequency: 776.5 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 776.5 MHz
Modulation: 16 QAM 384 kbps 3.1V
TRANSMITTER ANTENNA POWER CONDUCTED EMISSIONS

Date: Oct. 11 2002
Tested by: Hung Trinh

Plot # 31



ANNEX 1 - TEST DATA PLOTS

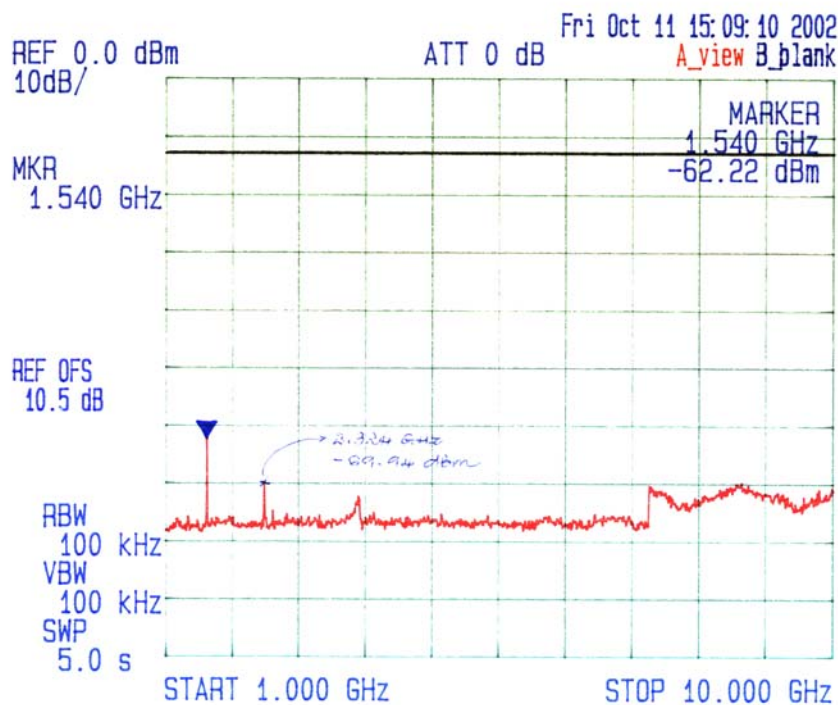
Plot # 32
Spurious Emissions at Antenna Terminals
Carrier Frequency: 776.5 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 776.5 MHz
Modulation: 16 QAM 384 kbps
TRANSMITTER ANTENNA POWER CONDUCTED EMISSIONS

Date: Oct. 11 2002
Tested by: Hung Trinh

Plot # 32



ANNEX 1 - TEST DATA PLOTS

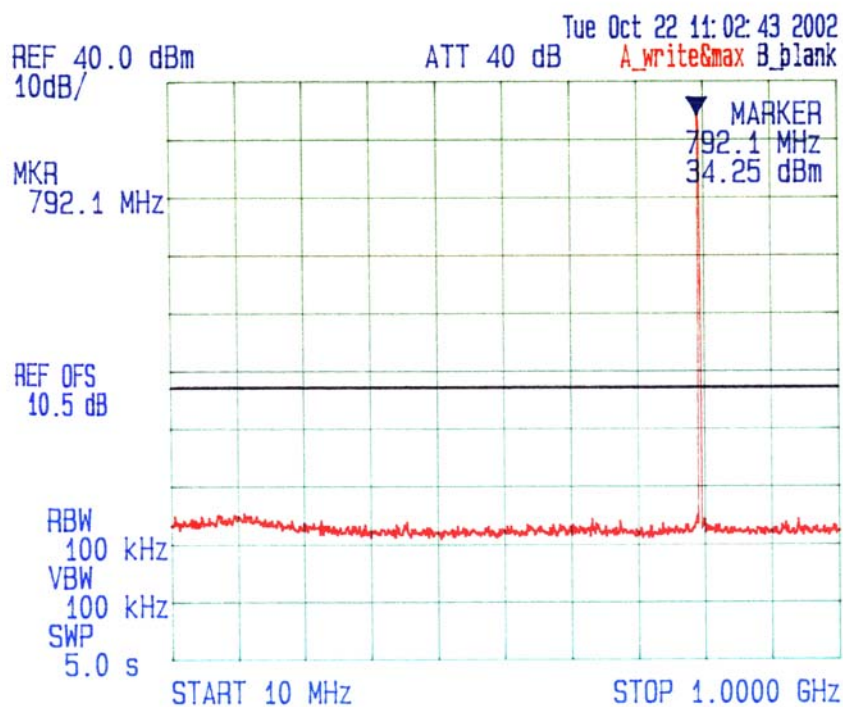
Plot # 33
Spurious Emissions at Antenna Terminals
Carrier Frequency: 792.075 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 792.075 MHz
Modulation: 16QAM 150 kHz 2W
TRANSMITTER ANTENNA POWER CONDUCTED EMISSIONS

Date: Oct. 22 2002
Tested by: Hung Trinh

Plot # 33



ANNEX 1 - TEST DATA PLOTS

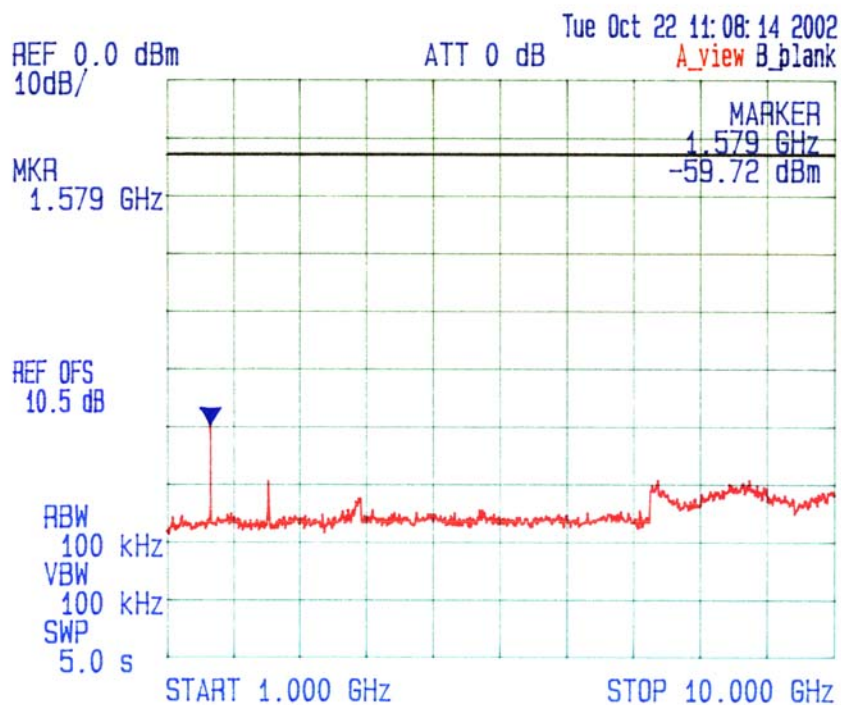
Plot # 34
Spurious Emissions at Antenna Terminals
Carrier Frequency: 792.075 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 792.075 MHz
Modulation: 16QAM 384 kbps B-V
TRANSMITTER ANTENNA POWER CONDUCTED EMISSIONS

Date: Oct. 22 2002
Tested by: Hung Trinh

Plot # 34



ANNEX 1 - TEST DATA PLOTS

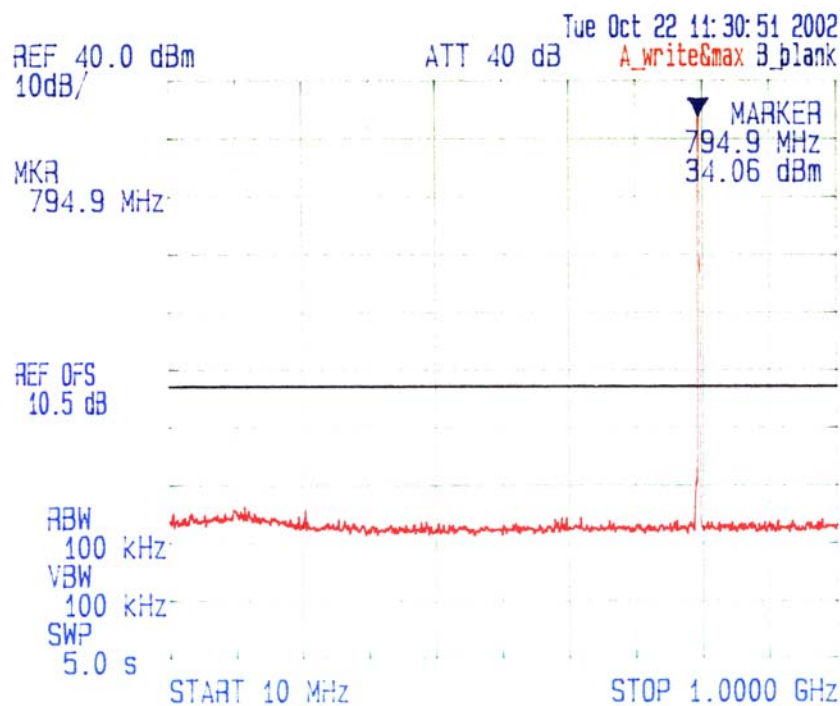
Plot # 35
Spurious Emissions at Antenna Terminals
Carrier Frequency: 793.925 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 793.925 MHz
Modulation: 16QAM 150 kHz BW
TRANSMITTER ANTENNA POWER CONDUCTED EMISSIONS

Date: Oct. 22 2002
Tested by: Hung Trinh

Plot #35



ANNEX 1 - TEST DATA PLOTS

Plot # 36
Spurious Emissions at Antenna Terminals
Carrier Frequency: 793.925 MHz
Modulation: 16QAM, 384 kbps data rate
Channel Spacing: 150 kHz
Power: 1.2 W



MICROWAVE DATA SYSTEMS INC.
LEDR700S Radio Transceiver
Tx. Frequency: 793.925 MHz
Modulation: 16QAM 384 kbps
TRANSMITTER ANTENNA POWER CONDUCTED EMISSIONS

Date: Oct. 22 2002
Tested by: Hung Trinh

Plot # 36

