

ANNEX 1 - PLOTS - Transmitter Band-edge & Spurious Conducted Emissions

AN-50 SYSTEM (5.735-5.815 GHz), Model AN50S

PLOT # 13

FCC ID: QC8-AN50S

REDLINE COMMUNICATIONS INC.

AN-50 SYSTEM

Channel: 1, Tx Frequency: 5735 MHz, Power Output: 24.56 dBm

Modulation: 64QAM (54 Mb/s)

Band-Edge

Date: February 16, 2003

Tested by: Hung Trinh

Sun Feb 16 07:56:36 2003

REF 15.0 dBm

ATT 20 dB

A_w r i t e & m a x B _ b l a n k

10 dB/

MKR

5.7332 GHz

REF OFS

11.5 dB

RBW

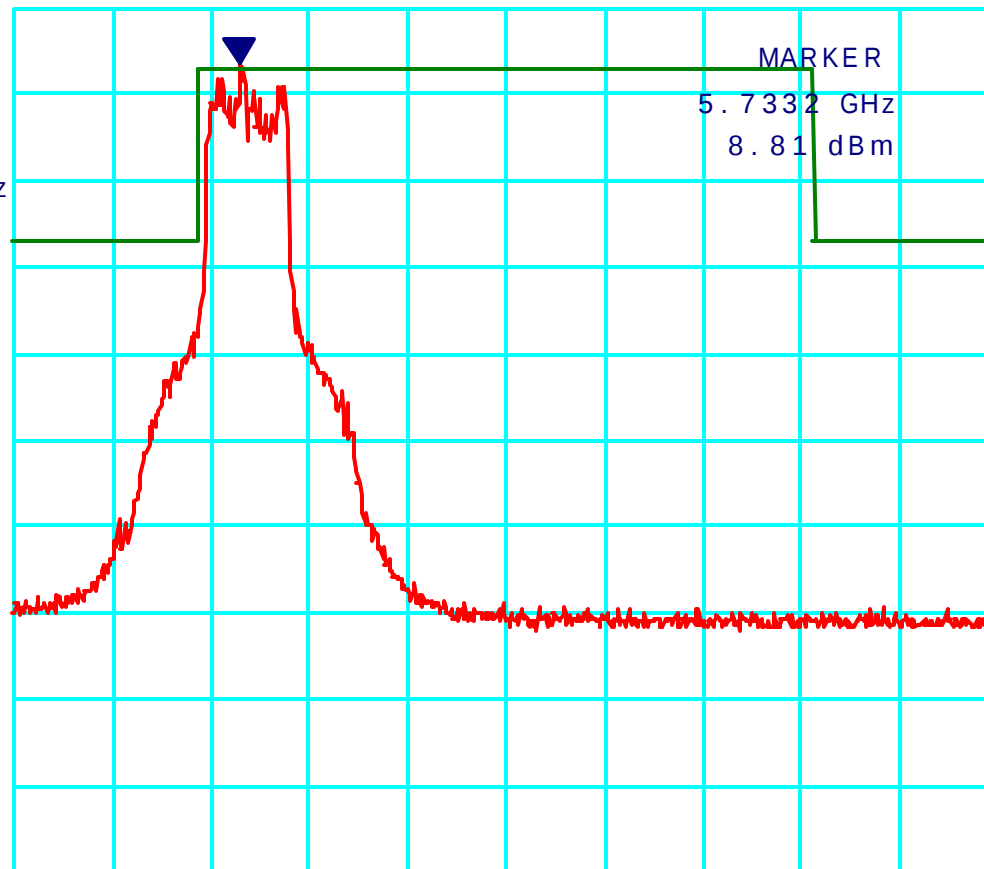
100 kHz

VBW

1 MHz

SWP

10 s



CENTER 5.7875 GHz

SPAN 200.0 MHz

ANNEX 1 - PLOTS - Transmitter Band-edge & Spurious Conducted Emissions

AN-50 SYSTEM (5.735-5.815 GHz), Model AN50S

PLOT # 14

FCC ID: QC8-AN50S

REDLINE COMMUNICATIONS INC.

AN-50 SYSTEM

Channel: 1, Tx Frequency: 5735 MHz, Power Output: 24.56 dBm

Modulation: 64QAM (54 Mb/s)

Spurious RF Antenna Conducted Emissions

Date: February 16, 2003

Tested by: Hung Trinh

Sun Feb 16 07:53:39 2003

REF 15.0 dBm

ATT 20 dB

A_w r i t e & m a x B _ b l a n k

10 dB/

MKR

5.726 GHz

MARKER

5.726 GHz

7.88 dBm

REF OFS

11.5 dB

RBW

100 kHz

VBW

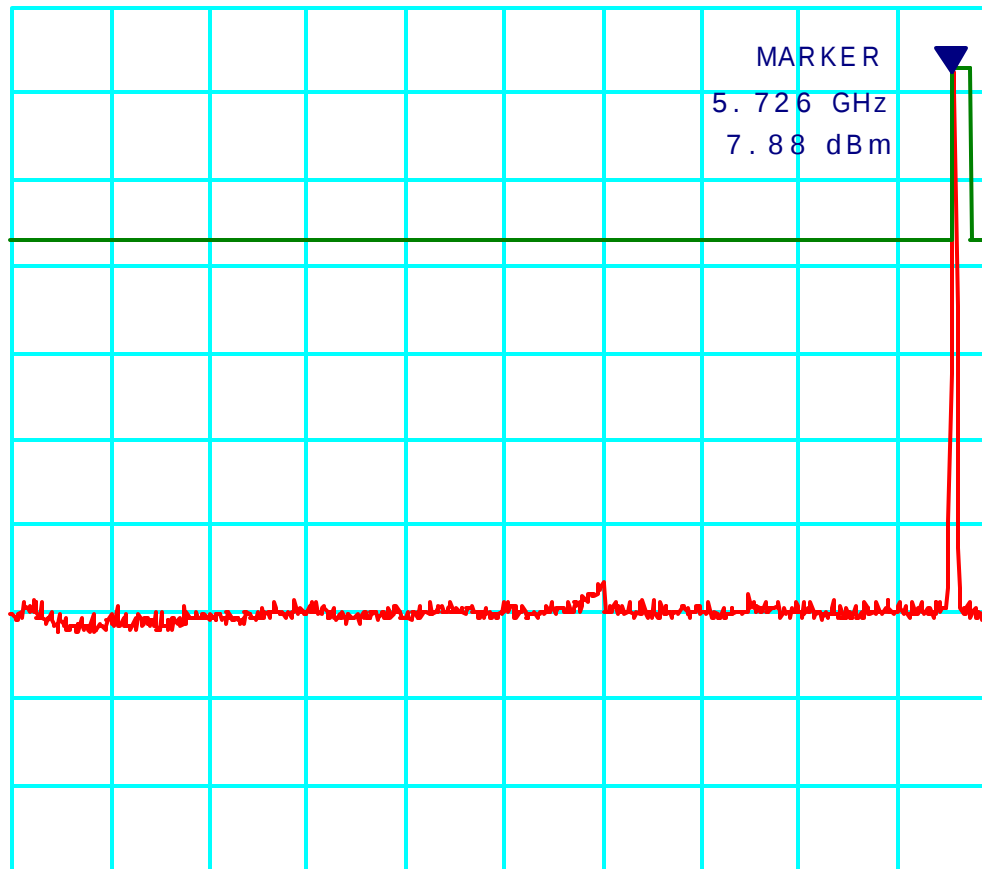
1 MHz

SWP

10 s

START 10 MHz

STOP 6.000 GHz



ANNEX 1 - PLOTS - Transmitter Band-edge & Spurious Conducted Emissions

AN-50 SYSTEM (5.735-5.815 GHz), Model AN50S

PLOT # 15

FCC ID: QC8-AN50S

REDLINE COMMUNICATIONS INC.

AN-50 SYSTEM

Channel: 1, Tx Frequency: 5735 MHz, Power Output: 24.56 dBm

Modulation: 64QAM (54 Mb/s)

Spurious RF Antenna Conducted Emissions

Date: February 16, 2003

Tested by: Hung Trinh

Sun Feb 16 08:55:39 2003

REF - 20.0 dBm

ATT 0 dB

A_write&maxB_blank

10 dB/

MKR

29.571 GHz

MARKER

29.571 GHz

- 51.75 dBm

REF OFS

11.5 dB

RBW

100 kHz

VBW

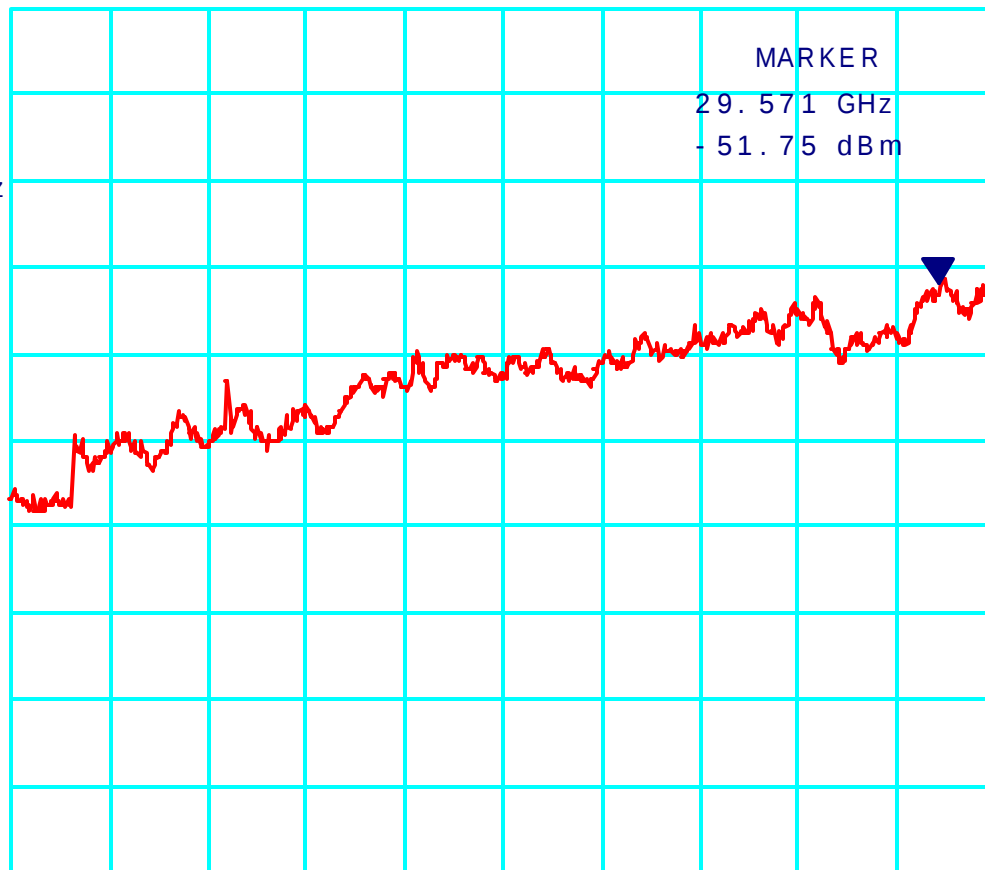
1 MHz

SWP

10 s

START 6.000 GHz

STOP 31.000 GHz



ANNEX 1 - PLOTS - Transmitter Band-edge & Spurious Conducted Emissions

AN-50 SYSTEM (5.735-5.815 GHz), Model AN50S

PLOT # 16

FCC ID: QC8-AN50S

REDLINE COMMUNICATIONS INC.

AN-50 SYSTEM

Channel: 1, Tx Frequency: 5735 MHz, Power Output: 24.56 dBm

Modulation: 64QAM (54 Mb/s)

Spurious RF Antenna Conducted Emissions

Date: February 16, 2003

Tested by: Hung Trinh

Sun Feb 16 10:28:55 2003

REF - 20.0 dBm

ATT 70 dB

A_write&maxB_blank

10 dB /

MKR

33.143 GHz

MARKER

33.143 GHz

- 52.97 dBm

REF OFS

11.5 dB

EXT 26.5~40.0 GHz: 6-

RBW

100 kHz

VBW

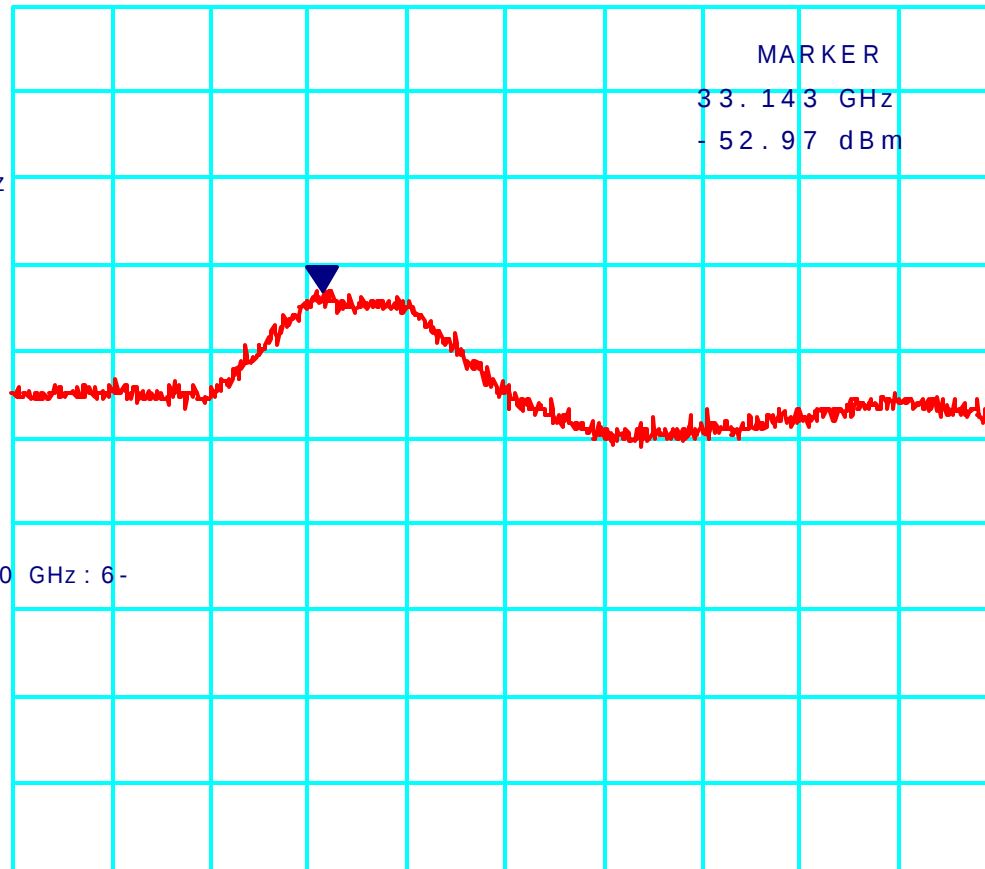
1 MHz

SWP

10 s

START 30.000 GHz

STOP 40.000 GHz



ANNEX 1 - PLOTS - Transmitter Band-edge & Spurious Conducted Emissions

AN-50 SYSTEM (5.735-5.815 GHz), Model AN50S

PLOT # 17

FCC ID: QC8-AN50S

REDLINE COMMUNICATIONS INC.

AN-50 SYSTEM

Channel: 3, Tx Frequency: 5775 MHz, Power Output: 25.44 dBm

Modulation: 64QAM (54 Mb/s)

Band-Edge

Date: February 16, 2003

Tested by: Hung Trinh

Sun Feb 16 08:00:35 2003

REF 15.0 dBm

ATT 20 dB

A_write&maxB_blank

10dB/

MKR

5.7735 GHz

MARKER

5.7735 GHz

10.34 dBm

REF OFS

11.5 dB

RBW

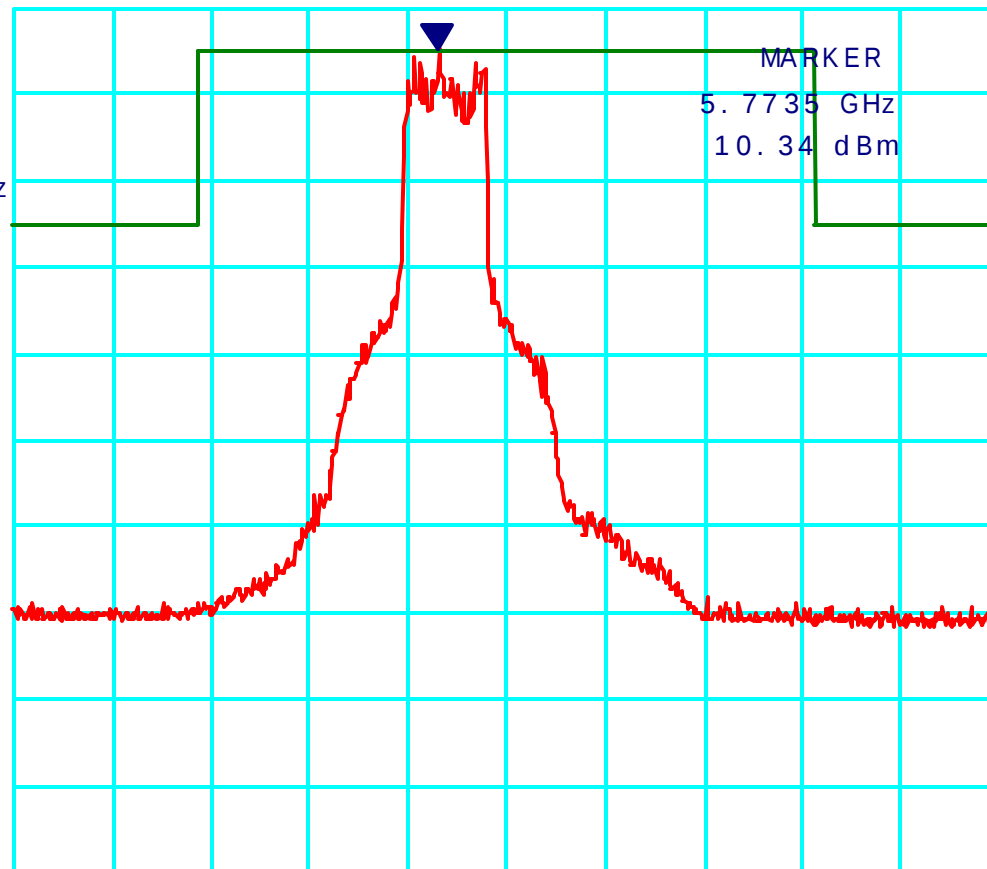
100 kHz

VBW

1 MHz

SWP

10 s



CENTER 5.7875 GHz

SPAN 200.0 MHz

ANNEX 1 - PLOTS - Transmitter Band-edge & Spurious Conducted Emissions

AN-50 SYSTEM (5.735-5.815 GHz), Model AN50S

PLOT # 18

FCC ID: QC8-AN50S

REDLINE COMMUNICATIONS INC.

AN-50 SYSTEM

Channel: 3, Tx Frequency: 5775 MHz, Power Output: 25.44 dBm

Modulation: 64QAM (54 Mb/s)

Spurious RF Antenna Conducted Emissions

Date: February 16, 2003

Tested by: Hung Trinh

Sun Feb 16 08:03:18 2003

REF 15.0 dBm

ATT 20 dB

A_w r i t e&maxB_b l a n k

10 dB/

MKR

5.769 GHz

MARKER

5.769 GHz

6.78 dBm

REF OFS

11.5 dB

RBW

100 kHz

VBW

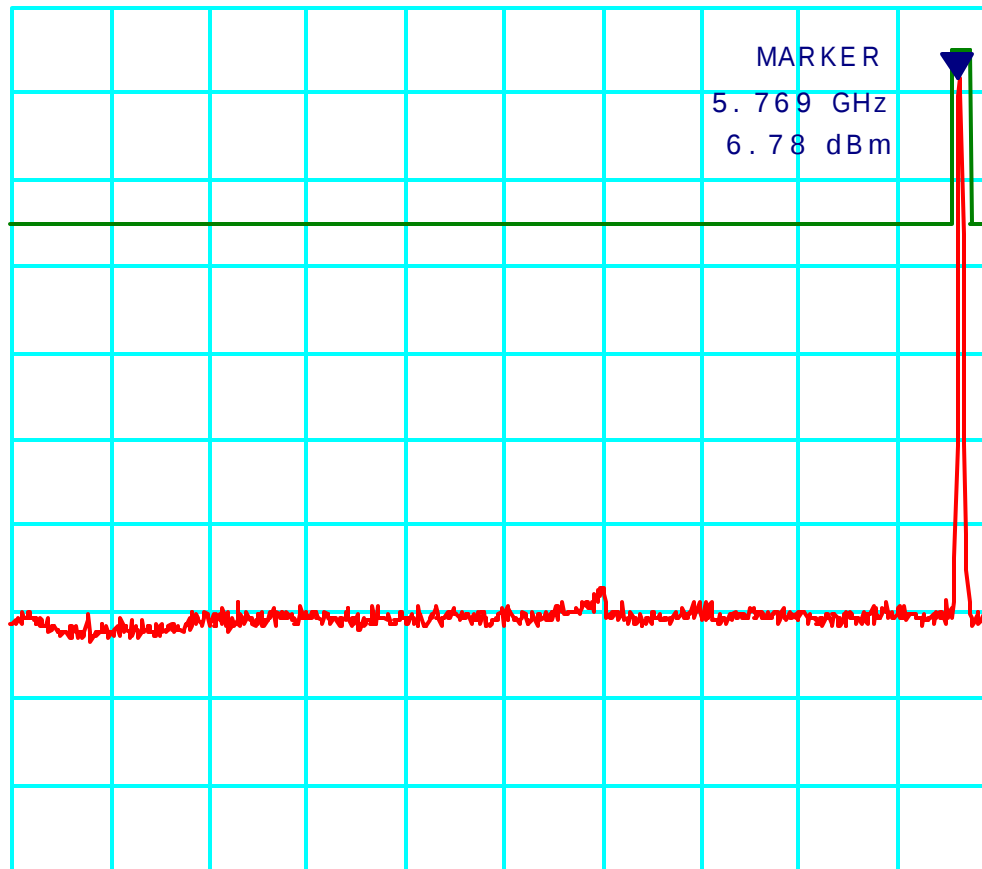
1 MHz

SWP

10 s

START 10 MHz

STOP 6.000 GHz



ANNEX 1 - PLOTS - Transmitter Band-edge & Spurious Conducted Emissions

AN-50 SYSTEM (5.735-5.815 GHz), Model AN50S

PLOT # 19

FCC ID: QC8-AN50S

REDLINE COMMUNICATIONS INC.

AN-50 SYSTEM

Channel: 3, Tx Frequency: 5775 MHz, Power Output: 25.44 dBm

Modulation: 64QAM (54 Mb/s)

Spurious RF Antenna Conducted Emissions

Date: February 16, 2003

Tested by: Hung Trinh

Sun Feb 16 08:59:20 2003

REF -20.0 dBm

ATT 0 dB

A_w r i t e & m a x B _ b l a n k

10 dB/

MKR

29.643 GHz

MARKER

29.643 GHz

-52.38 dBm

REF OFS

11.5 dB

RBW

100 kHz

VBW

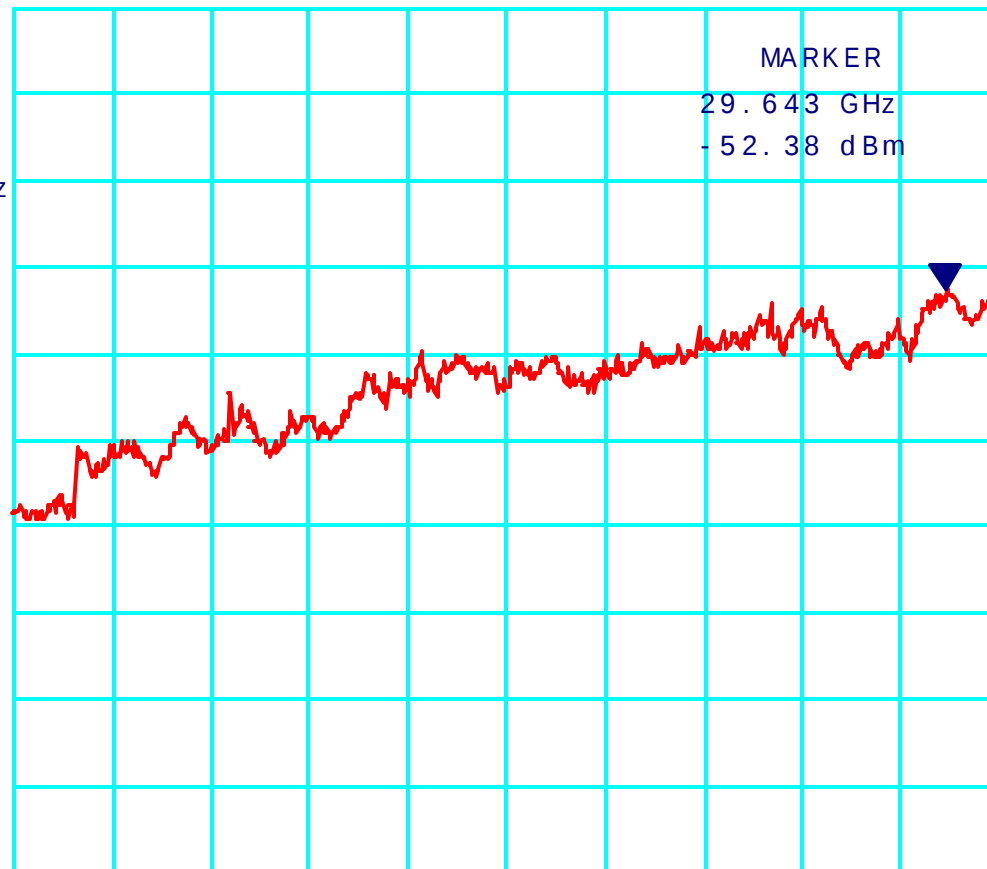
1 MHz

SWP

10 s

START 6.000 GHz

STOP 31.000 GHz



ANNEX 1 - PLOTS - Transmitter Band-edge & Spurious Conducted Emissions

AN-50 SYSTEM (5.735-5.815 GHz), Model AN50S

PLOT # 20

FCC ID: QC8-AN50S

REDLINE COMMUNICATIONS INC.

AN-50 SYSTEM

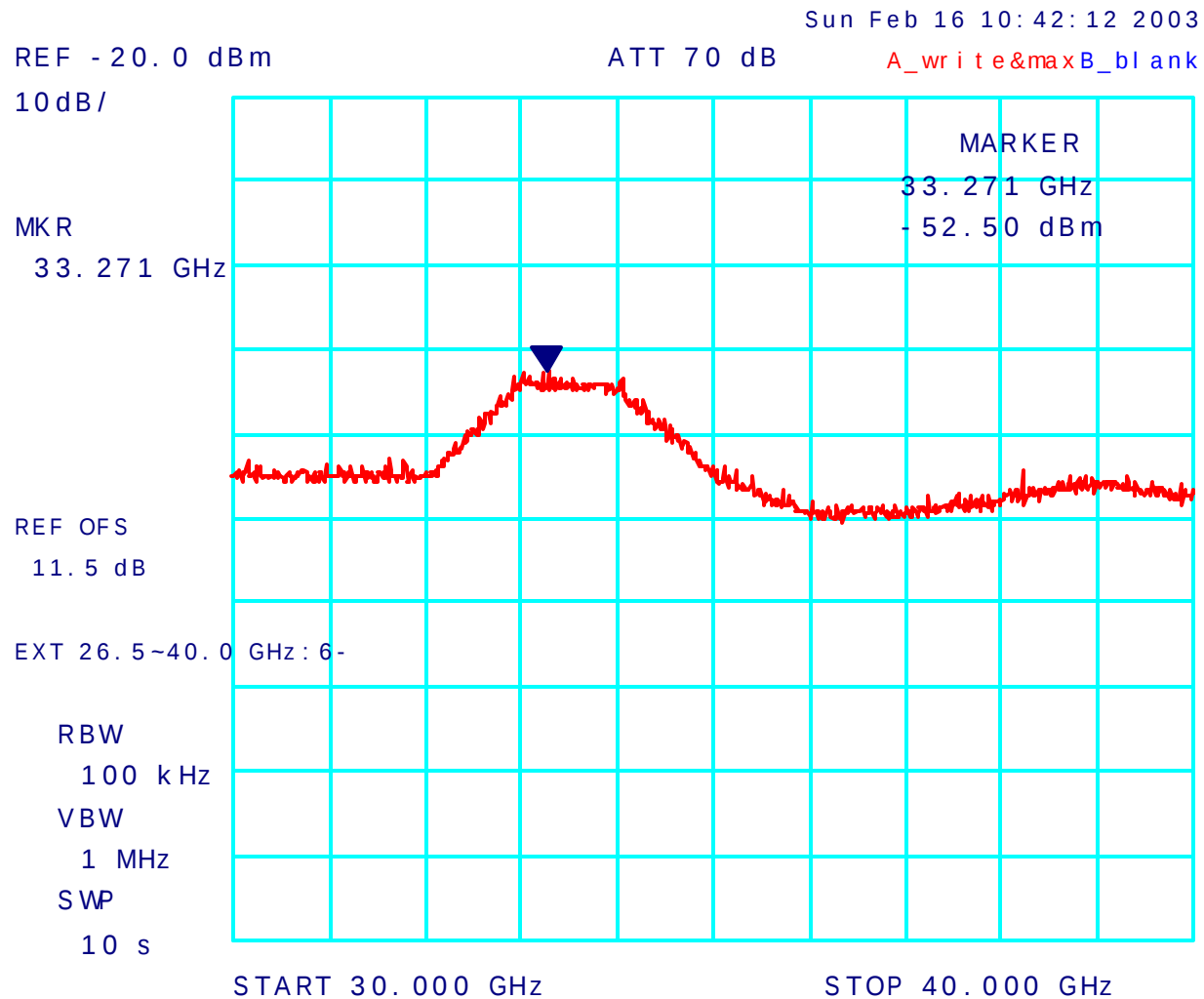
Channel: 3, Tx Frequency: 5775 MHz, Power Output: 25.44 dBm

Modulation: 64QAM (54 Mb/s)

Spurious RF Antenna Conducted Emissions

Date: February 16, 2003

Tested by: Hung Trinh



ANNEX 1 - PLOTS - Transmitter Band-edge & Spurious Conducted Emissions

AN-50 SYSTEM (5.735-5.815 GHz), Model AN50S

PLOT # 21

FCC ID: QC8-AN50S

REDLINE COMMUNICATIONS INC.

AN-50 SYSTEM

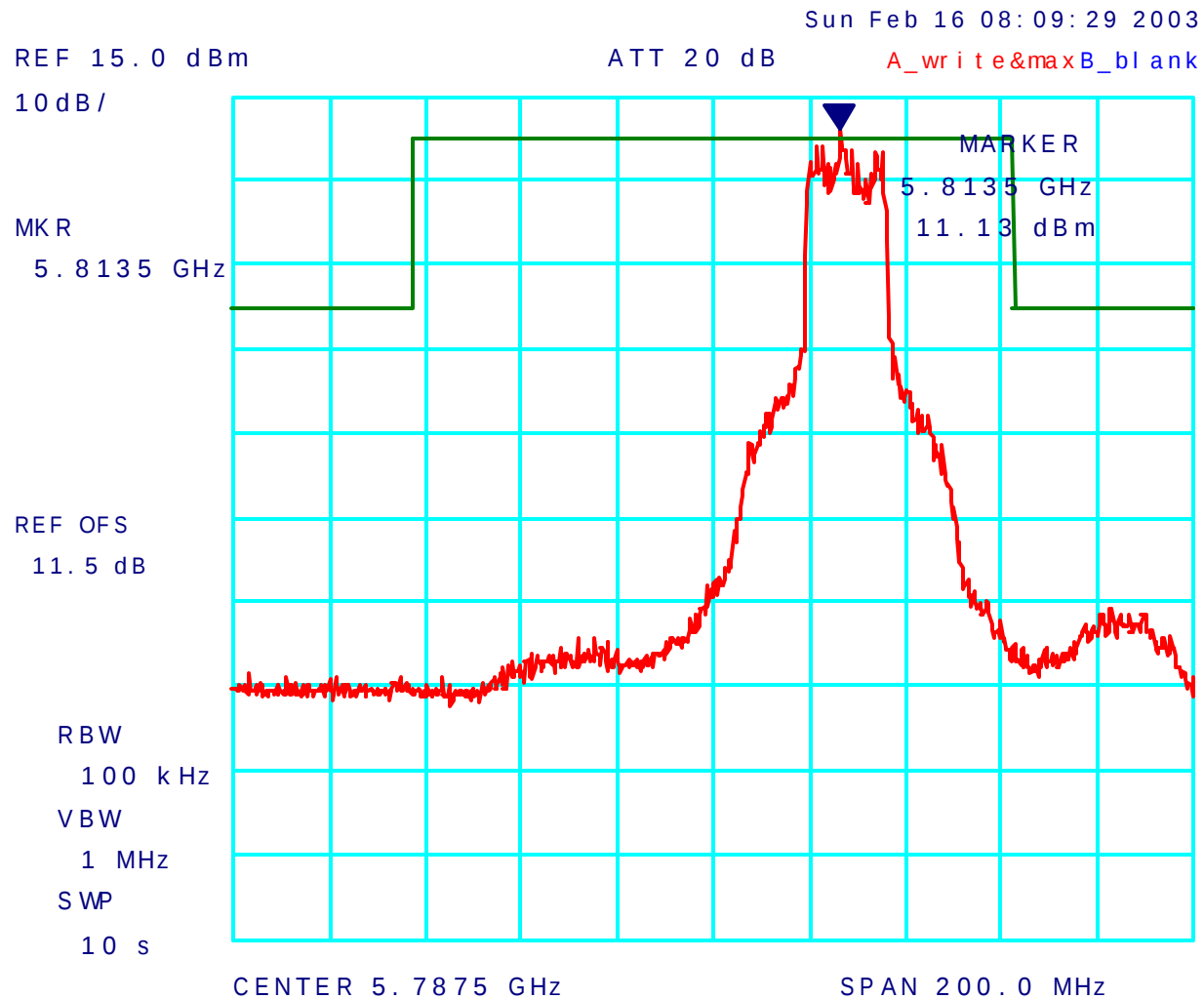
Channel: 5, Tx Frequency: 5815 MHz, Power Output: 26.03 dBm

Modulation: 64QAM (54 Mb/s)

Band-Edge

Date: February 16, 2003

Tested by: Hung Trinh



ANNEX 1 - PLOTS - Transmitter Band-edge & Spurious Conducted Emissions

AN-50 SYSTEM (5.735-5.815 GHz), Model AN50S

PLOT # 22

FCC ID: QC8-AN50S

REDLINE COMMUNICATIONS INC.

AN-50 SYSTEM

Channel: 5, Tx Frequency: 5815 MHz, Power Output: 26.03 dBm

Modulation: 64QAM (54 Mb/s)

Spurious RF Antenna Conducted Emissions

Date: February 16, 2003

Tested by: Hung Trinh

Sun Feb 16 08:07:39 2003

REF 15.0 dBm

ATT 20 dB

A_w r i t e & m a x B _ b l a n k

10 dB /

MK R

5.812 GHz

MARKER

5.812 GHz

8.47 dBm

REF OFS

11.5 dB

RBW

100 kHz

VBW

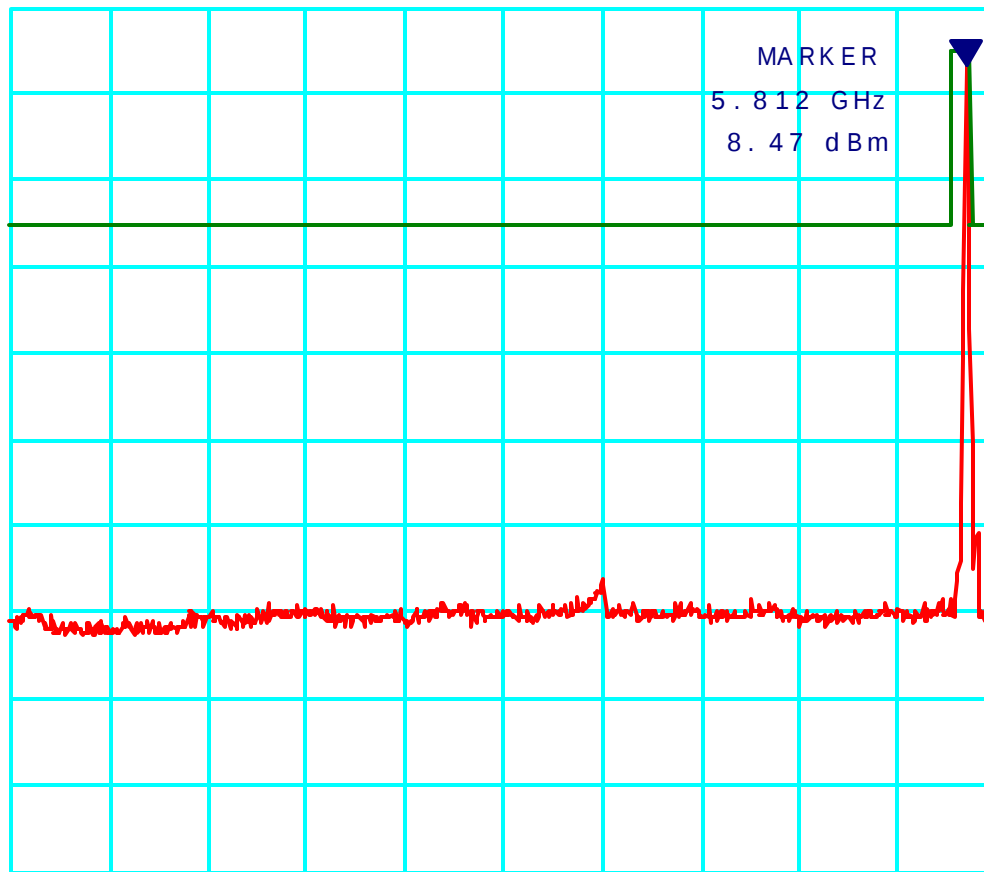
1 MHz

SWP

10 s

START 10 MHz

STOP 6.000 GHz



ANNEX 1 - PLOTS - Transmitter Band-edge & Spurious Conducted Emissions

AN-50 SYSTEM (5.735-5.815 GHz), Model AN50S

PLOT # 23

FCC ID: QC8-AN50S

REDLINE COMMUNICATIONS INC.

AN-50 SYSTEM

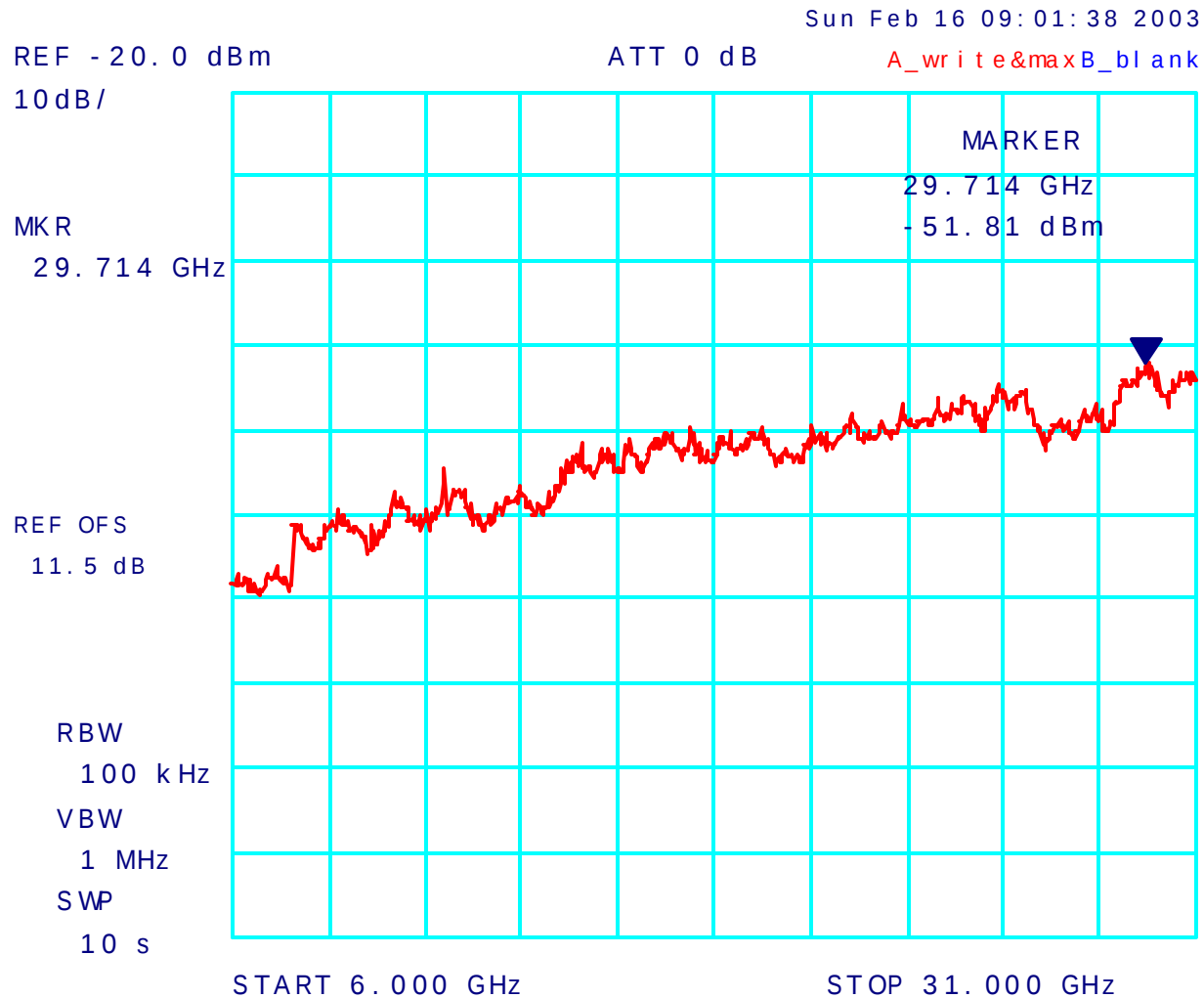
Channel: 5, Tx Frequency: 5815 MHz, Power Output: 26.03 dBm

Modulation: 64QAM (54 Mb/s)

Spurious RF Antenna Conducted Emissions

Date: February 16, 2003

Tested by: Hung Trinh



ANNEX 1 - PLOTS - Transmitter Band-edge & Spurious Conducted Emissions

AN-50 SYSTEM (5.735-5.815 GHz), Model AN50S

PLOT # 24

FCC ID: QC8-AN50S

REDLINE COMMUNICATIONS INC.

AN-50 SYSTEM

Channel: 5, Tx Frequency: 5815 MHz, Power Output: 26.03 dBm

Modulation: 64QAM (54 Mb/s)

Spurious RF Antenna Conducted Emissions

Date: February 16, 2003

Tested by: Hung Trinh

Sun Feb 16 10:44:32 2003

REF -20.0 dBm

ATT 70 dB

A_w r i t e & m a x B _ b l a n k

10 dB/

MKR

33.014 GHz

MARKER

33.014 GHz

-52.94 dBm

REF OFS

11.5 dB

EXT 26.5~40.0 GHz: 6-

RBW

100 kHz

VBW

1 MHz

SWP

10 s

START 30.000 GHz

STOP 40.000 GHz

