

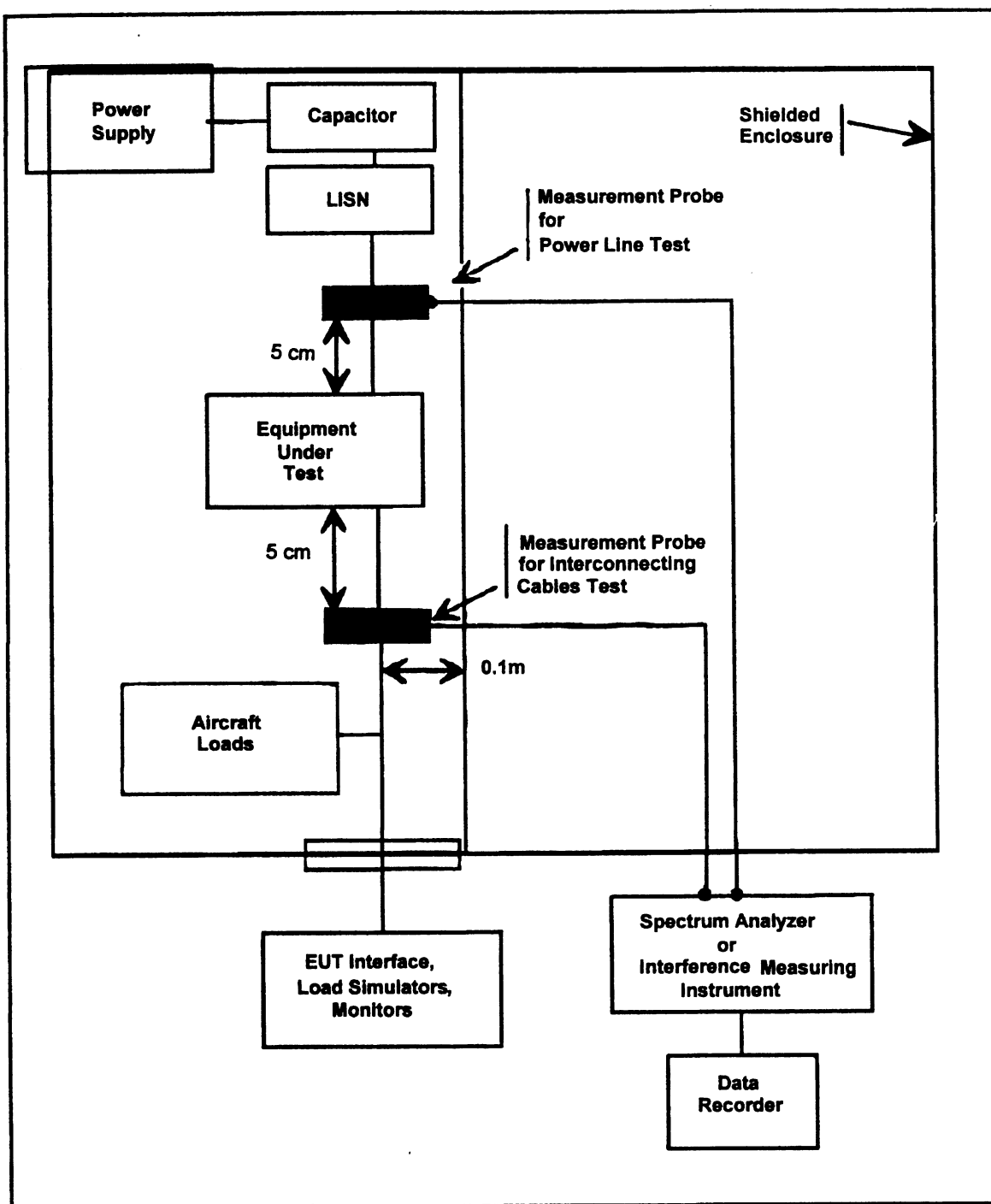


Figure 21-3 Typical Setup for Conducted RF Interference Test

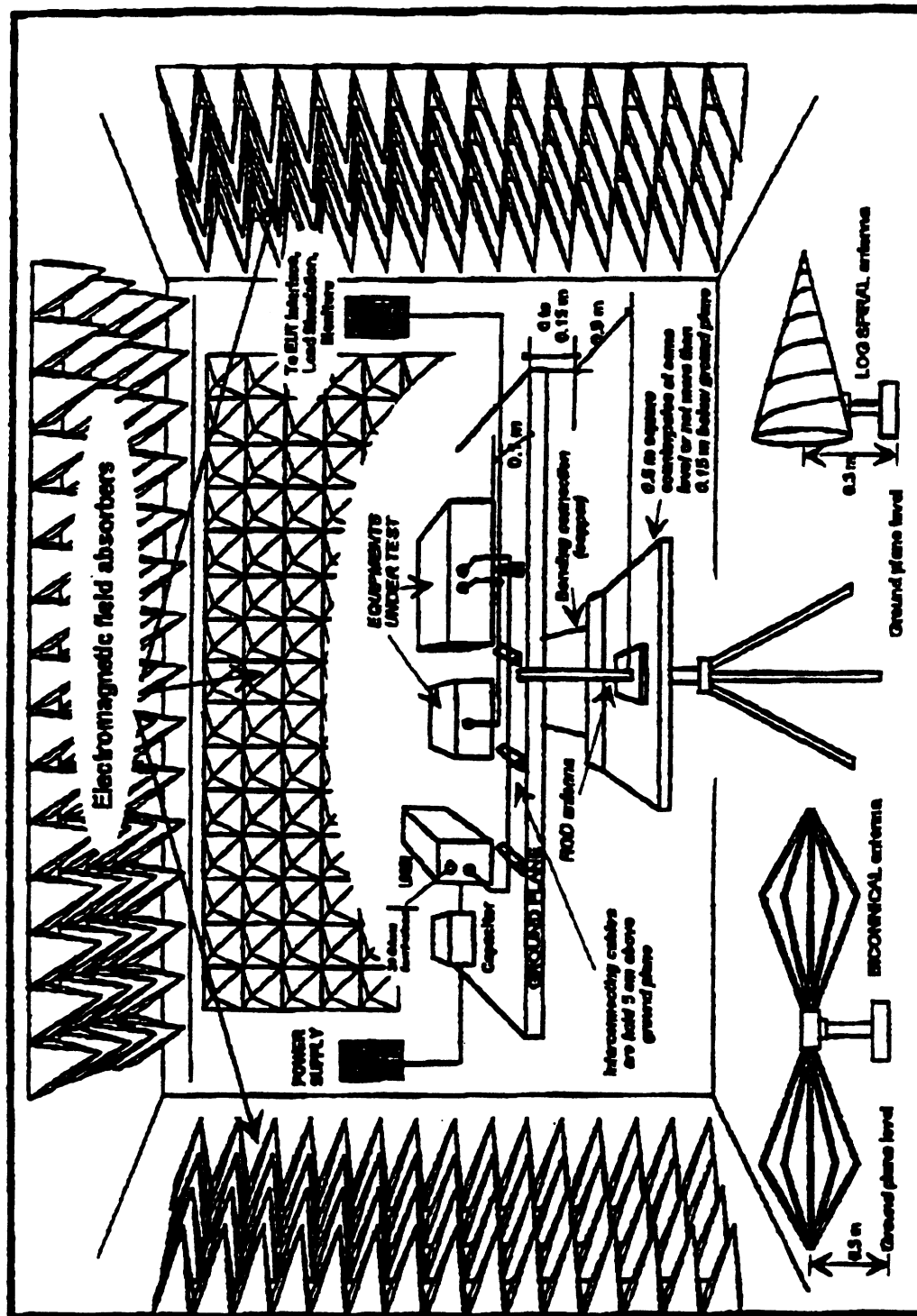
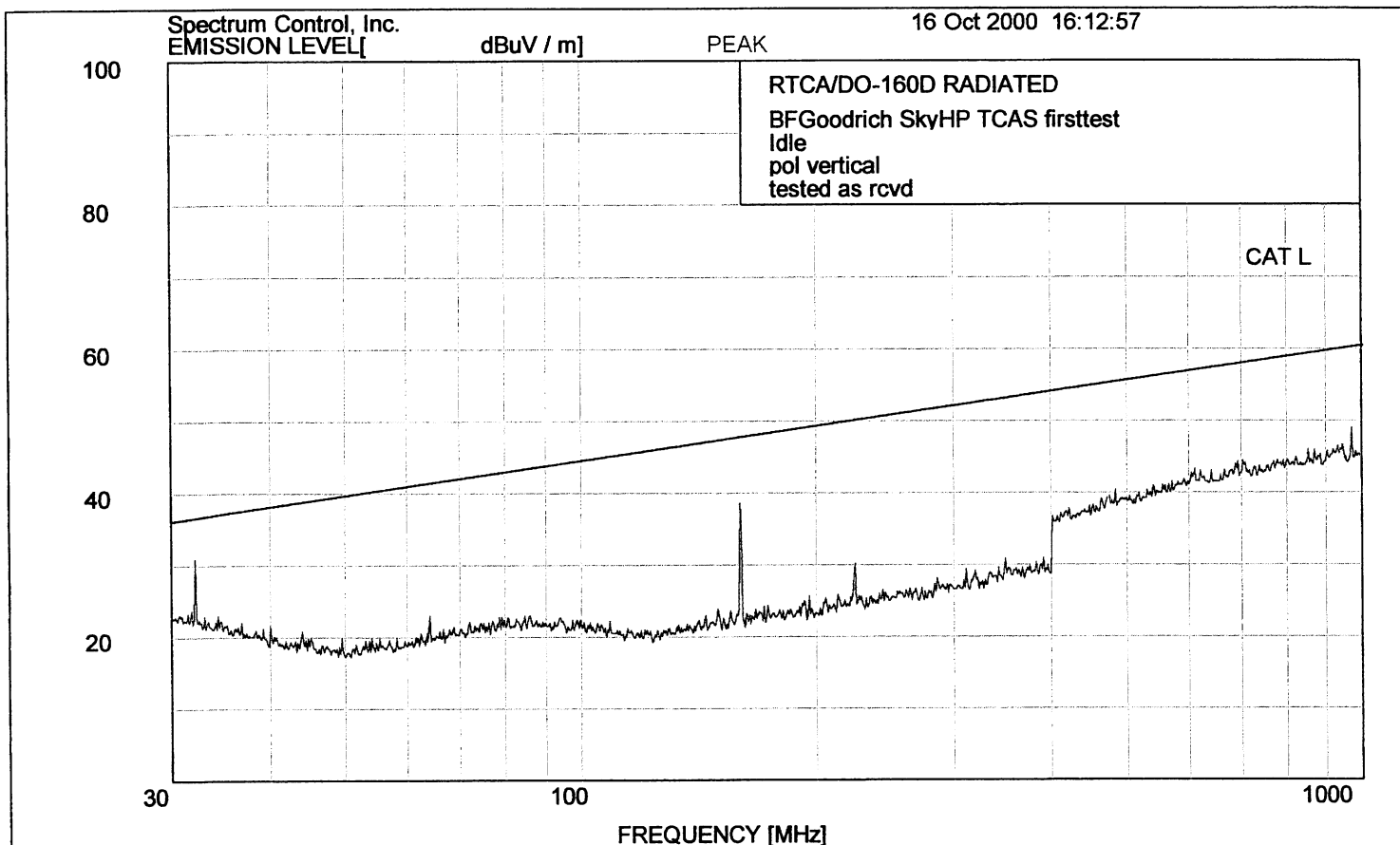
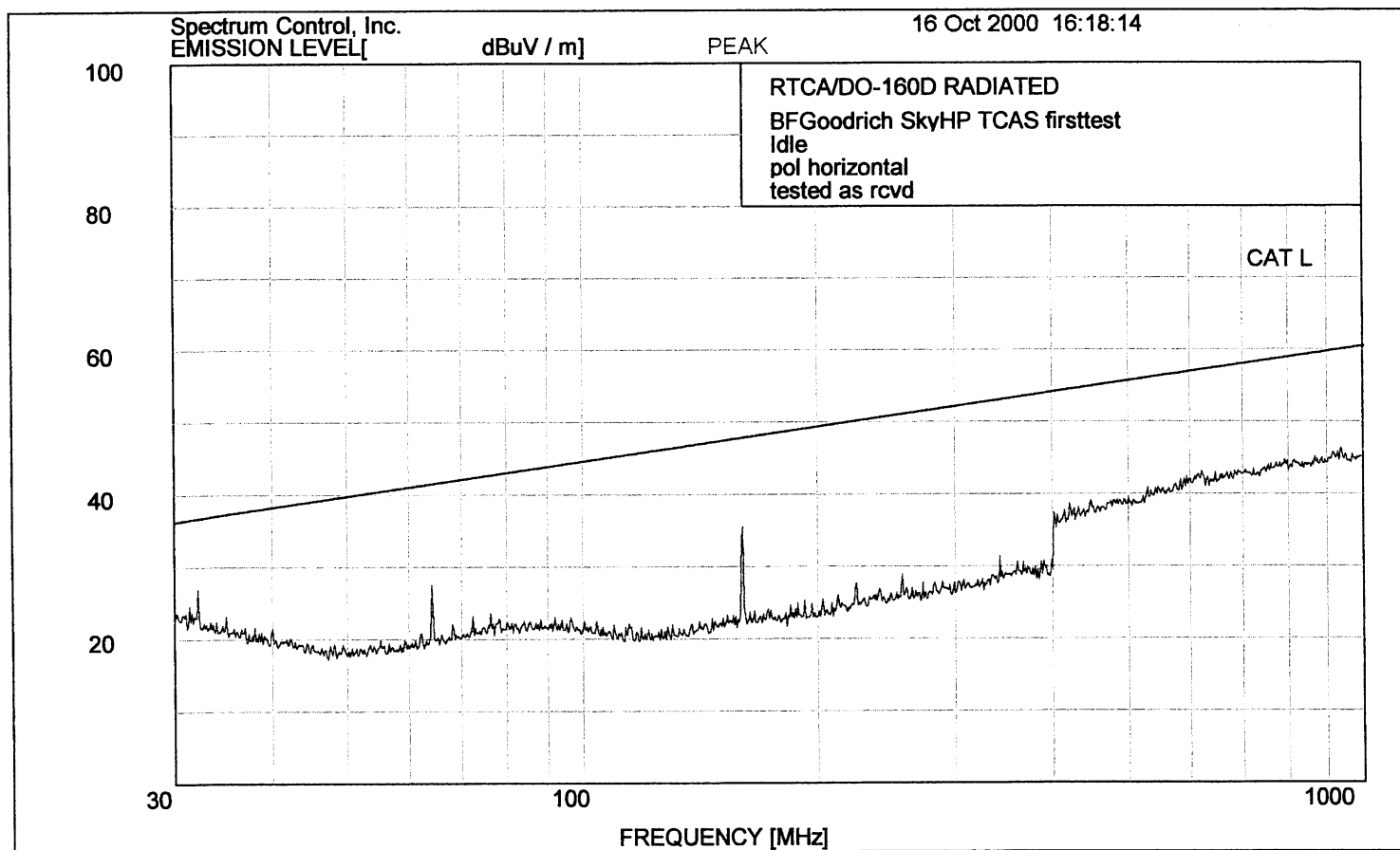


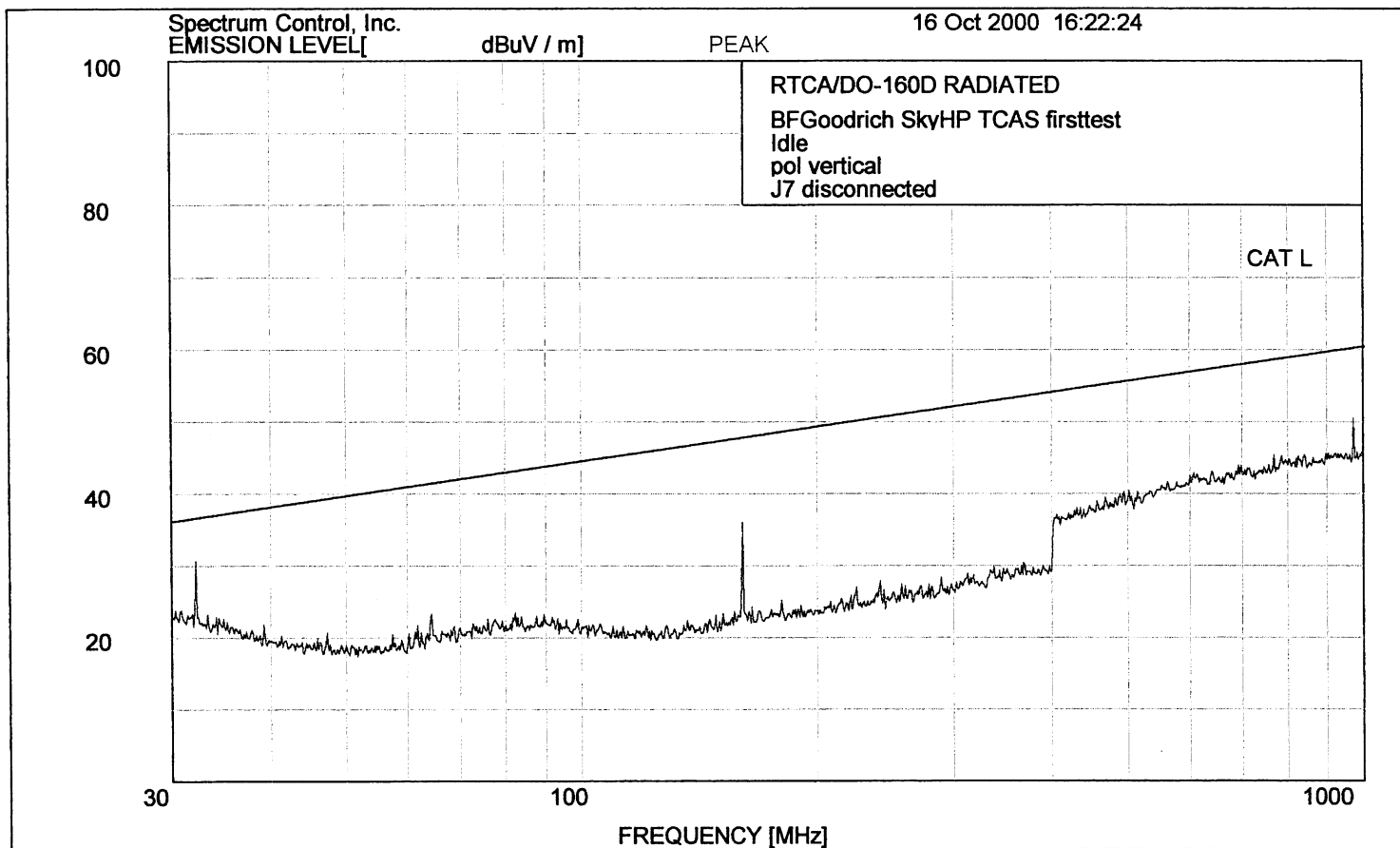
FIGURE 21-7 : TYPICAL SETUP for RADIATED RF INTERFERENCE TEST



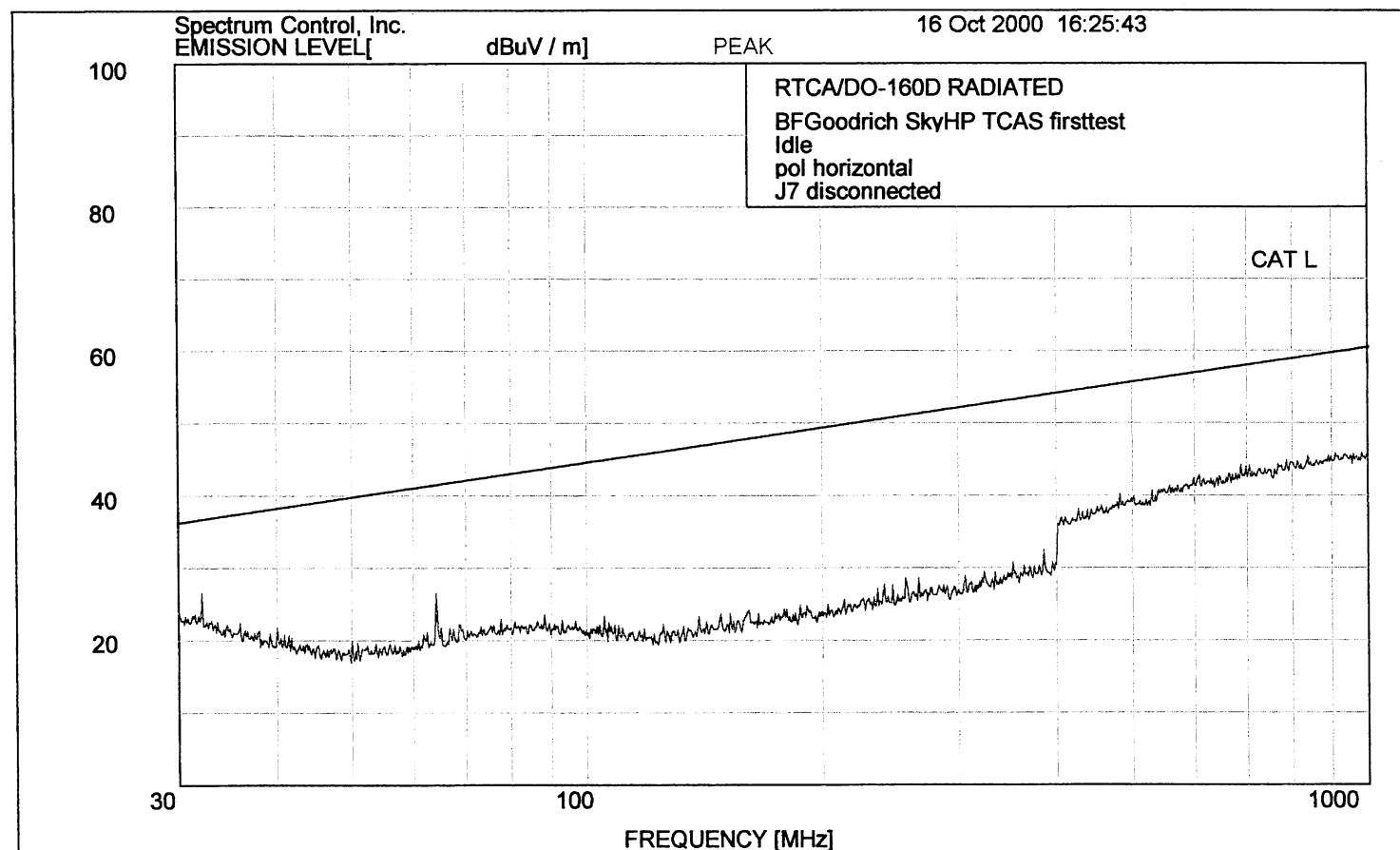
C:\DATA\BFG\SKYHP\11



C:\DATA\BFG\SKYHP\12



C:\DATA\BFG\SKYHP\13



C:\DATA\BFG\SKYHP\14

Spectrum Control, Inc.
EMISSION LEVEL[

dBuV/m]

PEAK

16 Oct 2000 16:29:52

120

100

80

60

40

1000

6000

FREQUENCY [MHz]

RTCA/DO-160D RADIATED EMISSION
BFGoodrich SkyHP TCAS firsttest
Idle
pol vertical
tested as rcvd

CAT L

C:\DATA\BFG\SKYHP\15

Spectrum Control, Inc.
EMISSION LEVEL[

dBuV/m]

PEAK

16 Oct 2000 16:45:15

120

100

80

60

40

1000

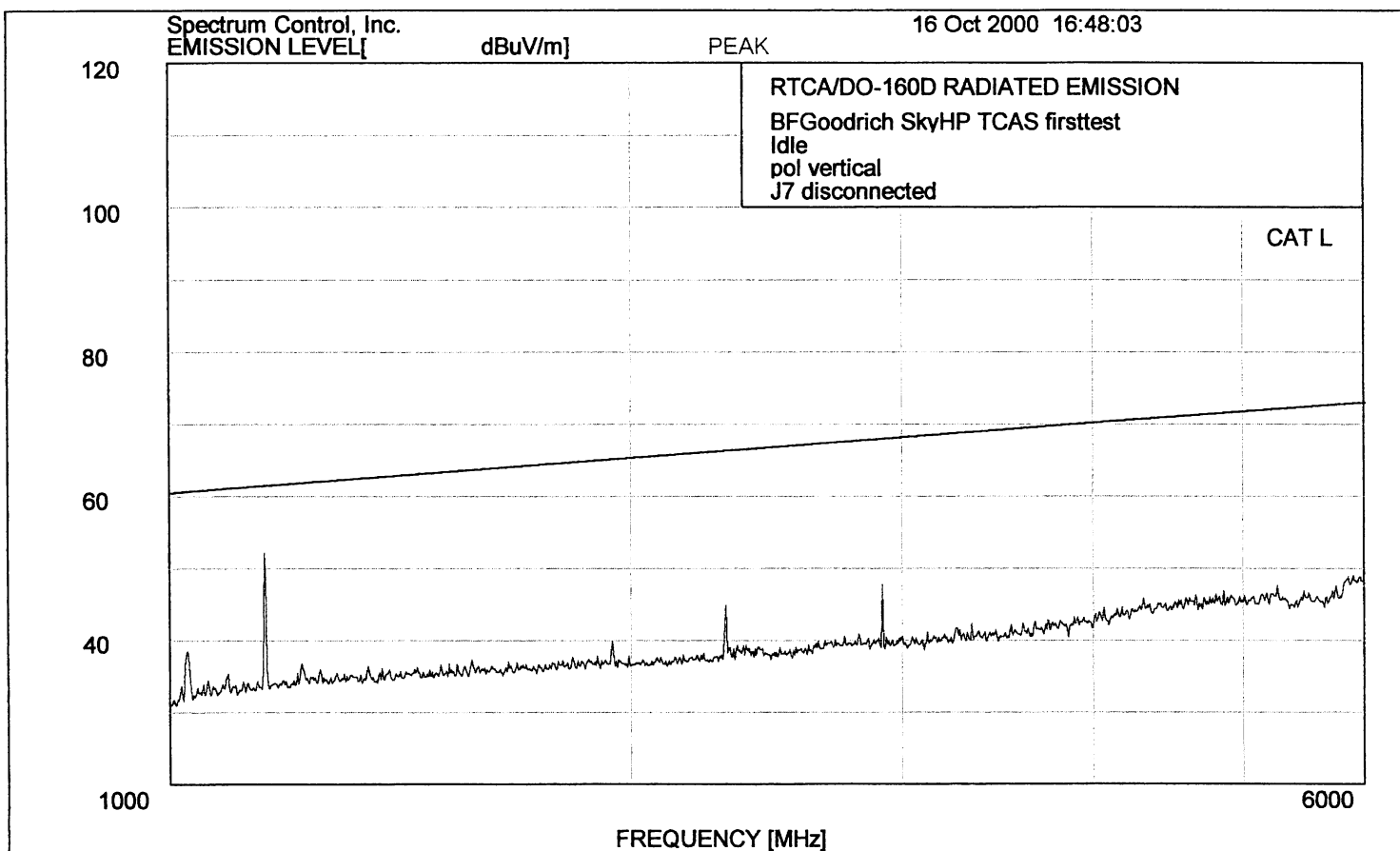
6000

FREQUENCY [MHz]

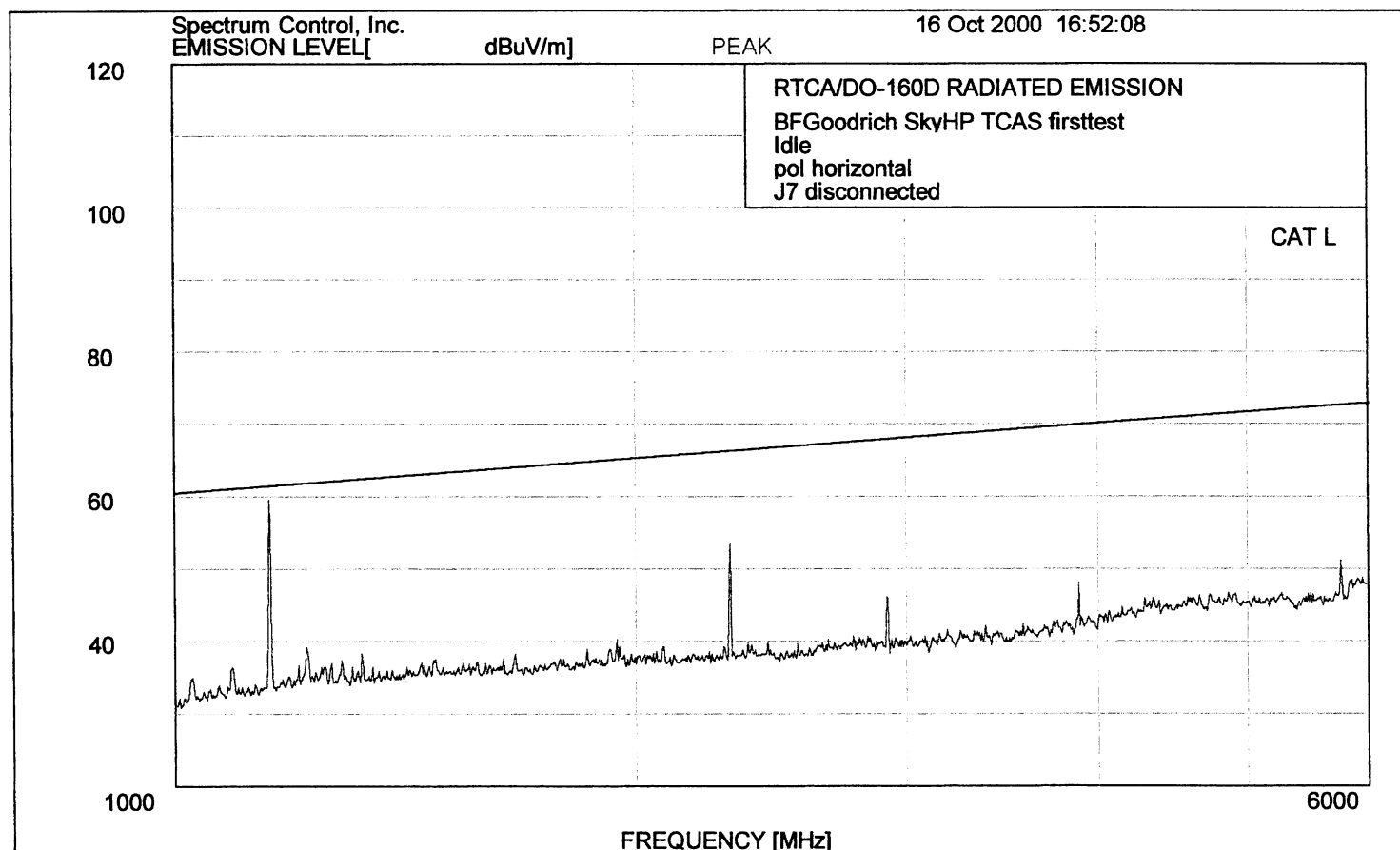
RTCA/DO-160D RADIATED EMISSION
BFGoodrich SkyHP TCAS firsttest
Idle
pol horizontal
tested as rcvd

CAT L

C:\DATA\BFG\SKYHP\16

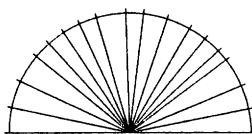


C:\DATA\BFG\SKYHP\17



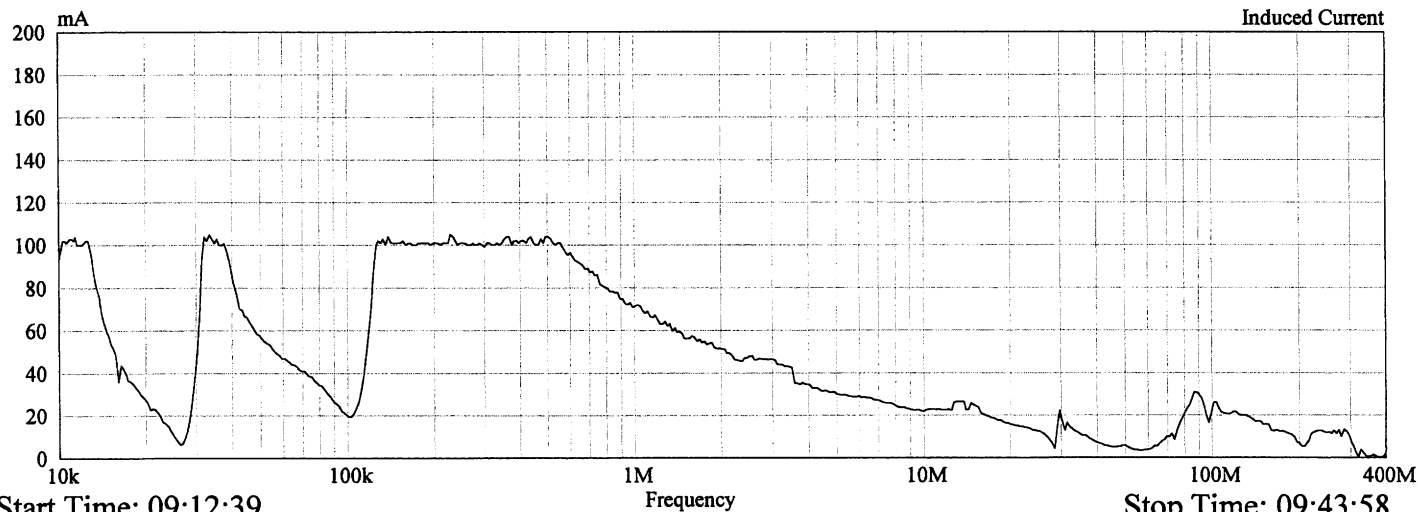
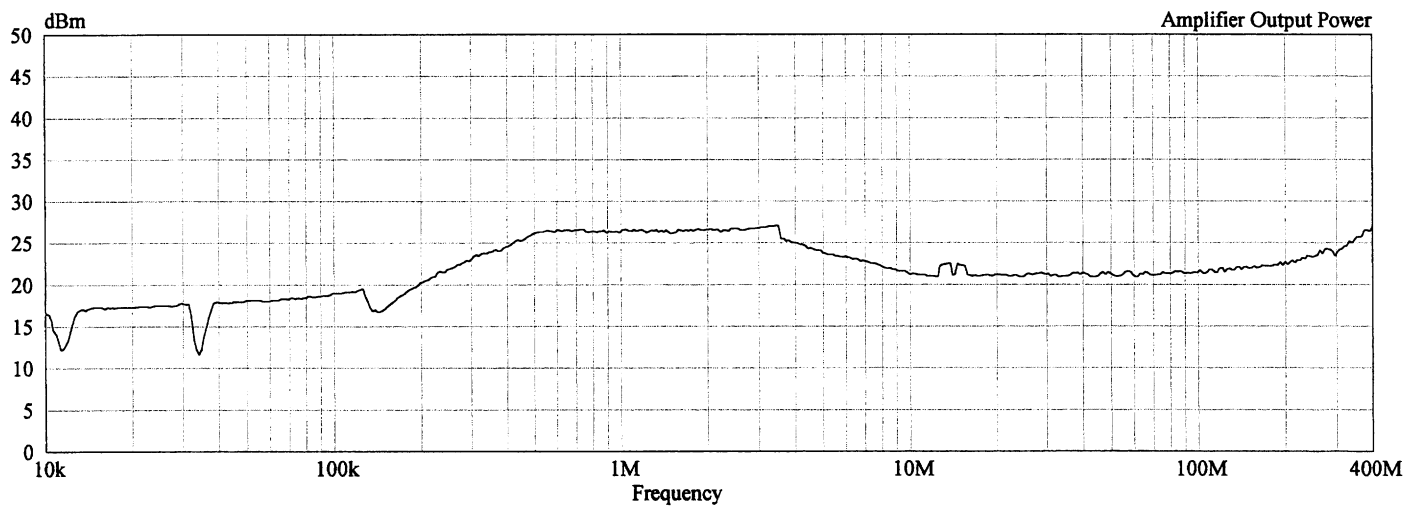
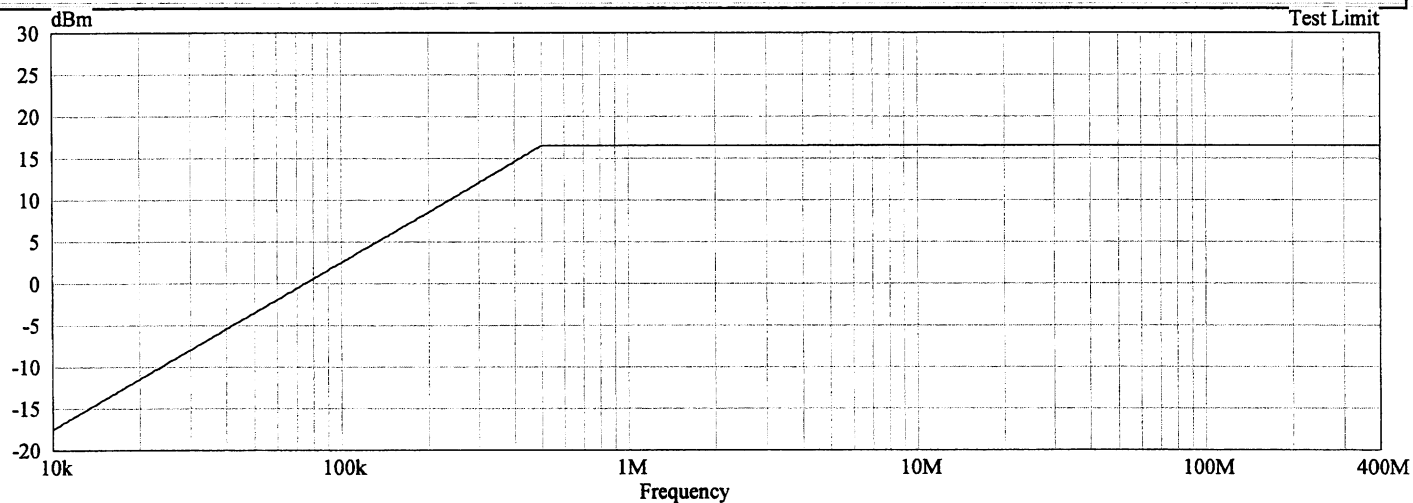
C:\DATA\BFG\SKYHP\18

SPECTRUM CONTROL, INC.
CONDUCTED SUSCEPTIBILITY
RTCA/DO-160D



Date: 17 Oct 2000
Test no: 19

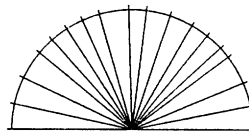
Customer: BFGoodrich	Generator: 3325A/8341B	Line: 28 VDC Positive
Device: TCAS	Modulation: 90% AM 1kHz sqr	Inj.Probe: FCC F120/F130
Model # SkyHP	Amplifier: 1000L/5W1000	Monitor: F63
Serial # First Test	Chamber: Anechoic	Test Cat.: Category U/R
Mode: Idle	Operator: ES	Max I: 100
Remarks: Tested as received		



Start Time: 09:12:39

Stop Time: 09:43:58

SPECTRUM CONTROL, INC.
CONDUCTED SUSCEPTIBILITY
RTCA/DO-160D

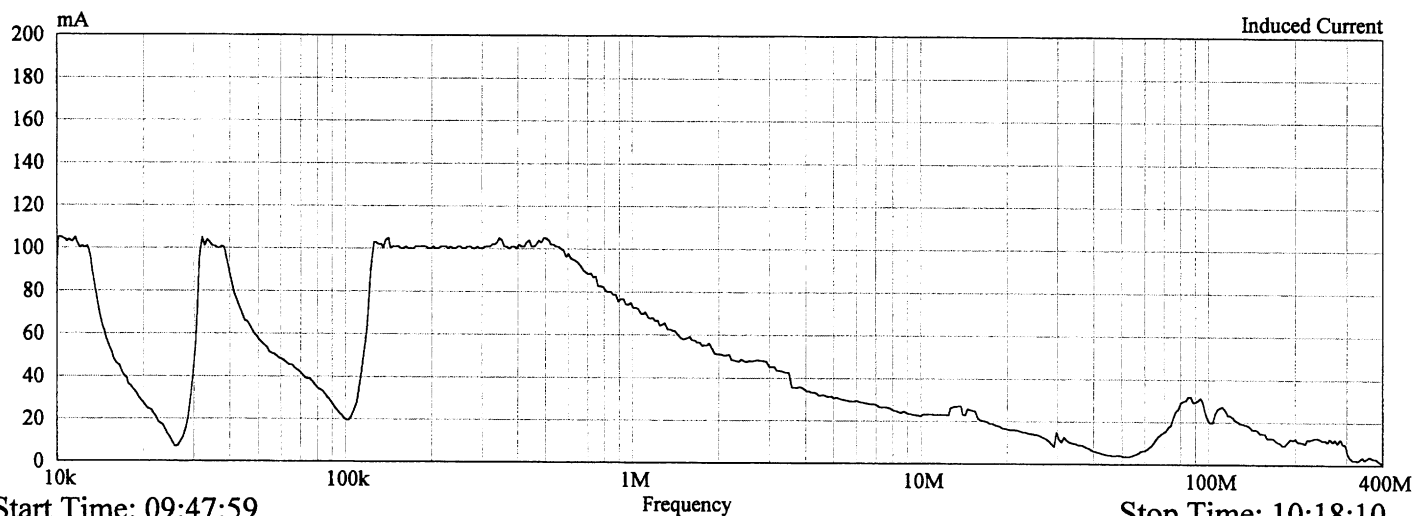
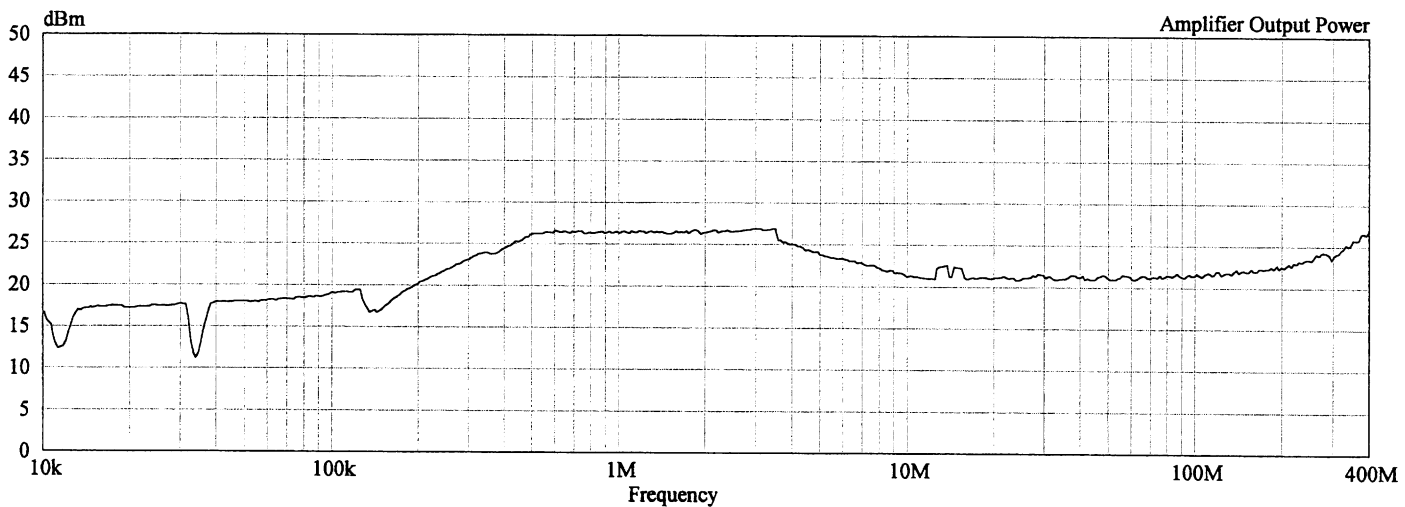
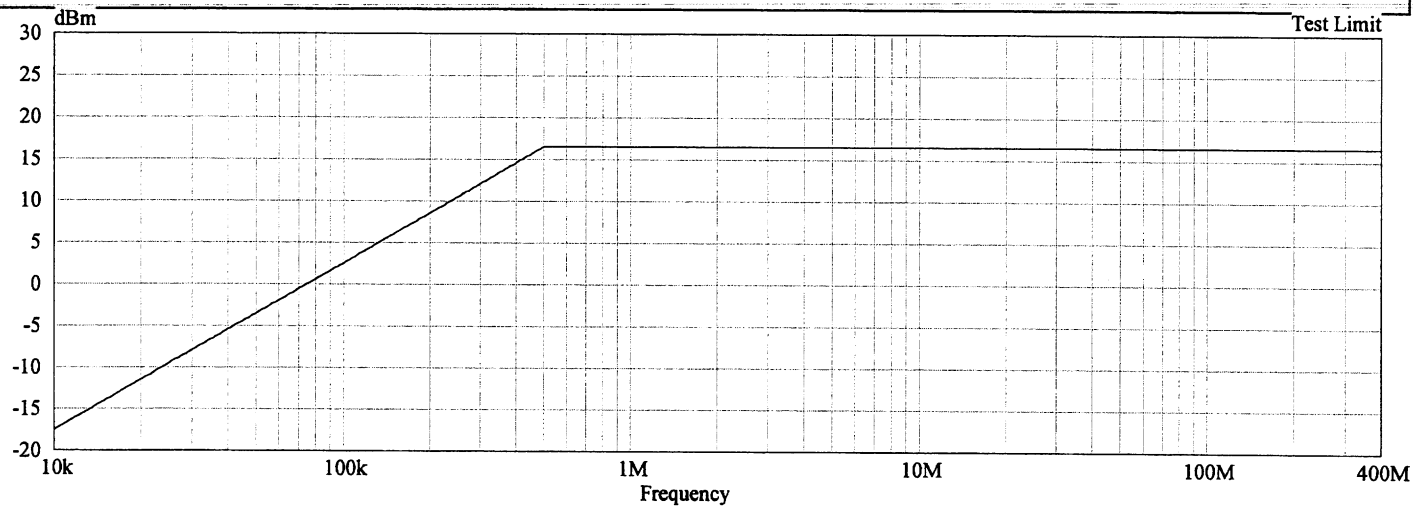


Date: 17 Oct 2000
Test no: 20

Customer: BFGoodrich
Device: TCAS
Model #: SkyHP
Serial #: First Test
Mode: Idle
Remarks: Tested as received

Generator: 3325A/8341B
Modulation: 90% AM 1kHz sqw
Amplifier: 1000L/5W1000
Chamber: Anechoic
Operator: ES

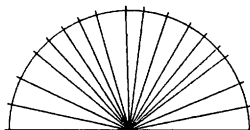
Line: 28 VDC Return
Inj.Probe: FCC F120/F130
Monitor: F63
Test Cat.: Category U/R
Max I: 100



Start Time: 09:47:59

Stop Time: 10:18:10

SPECTRUM CONTROL, INC.
CONDUCTED SUSCEPTIBILITY
RTCA/DO-160D

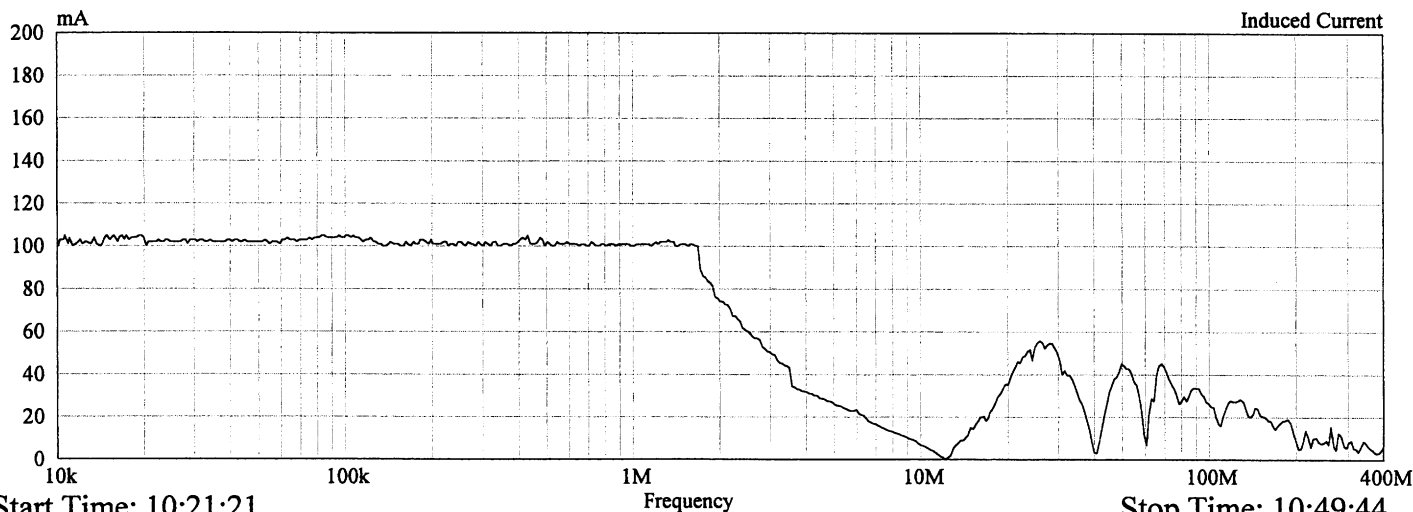
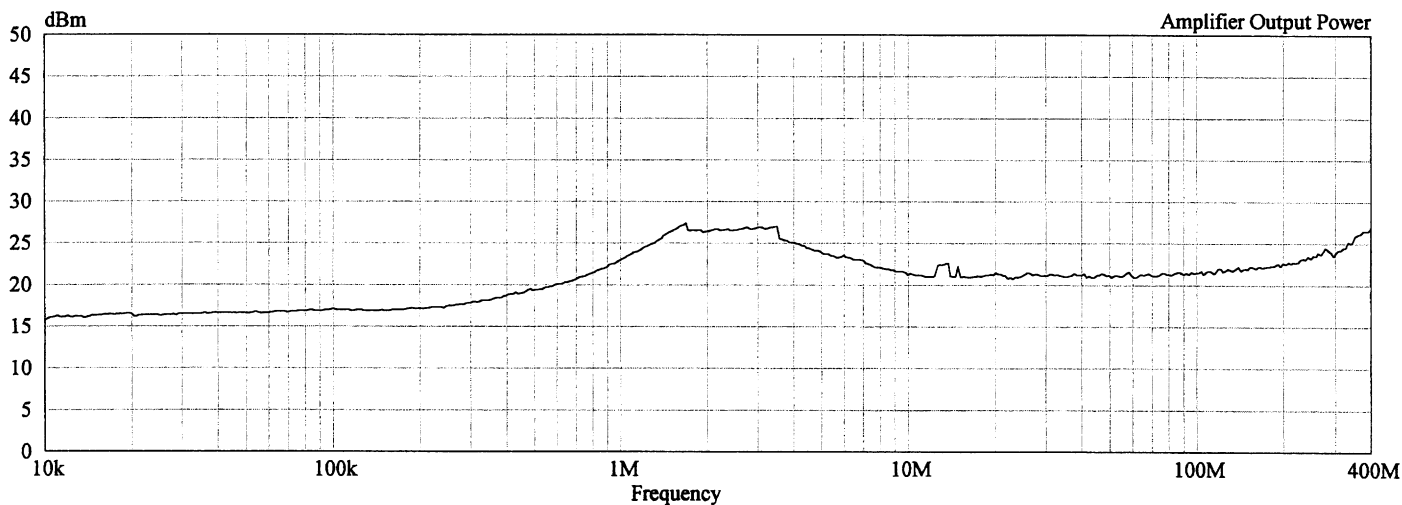
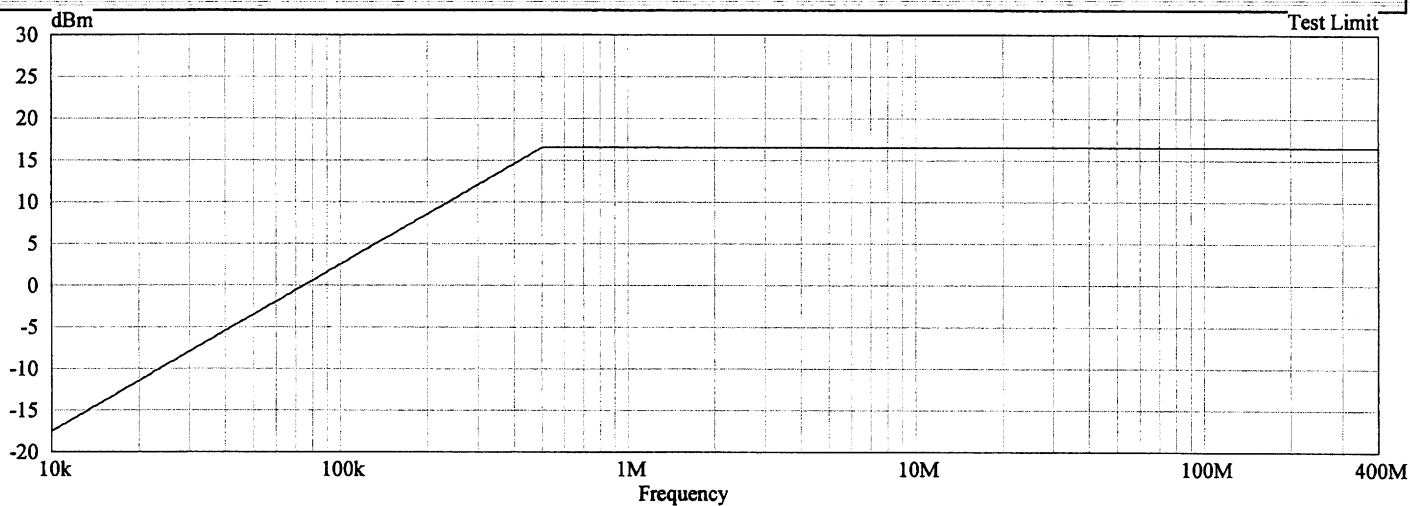


Date: 17 Oct 2000
Test no: 21

Customer: BFGoodrich
Device: TCAS
Model # SkyHP
Serial # First Test
Mode: Idle
Remarks: Tested as received

Generator: 3325A/8341B
Modulation: 90% AM 1kHz sqr
Amplifier: 1000L/5W1000
Chamber: Anechoic
Operator: ES

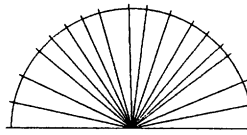
Line: J1 I/O Bundle
Inj.Probe: FCC F120/F130
Monitor: F63
Test Cat.: Category U/R
Max I: 100



Start Time: 10:21:21

Stop Time: 10:49:44

SPECTRUM CONTROL, INC.
CONDUCTED SUSCEPTIBILITY
RTCA/DO-160D

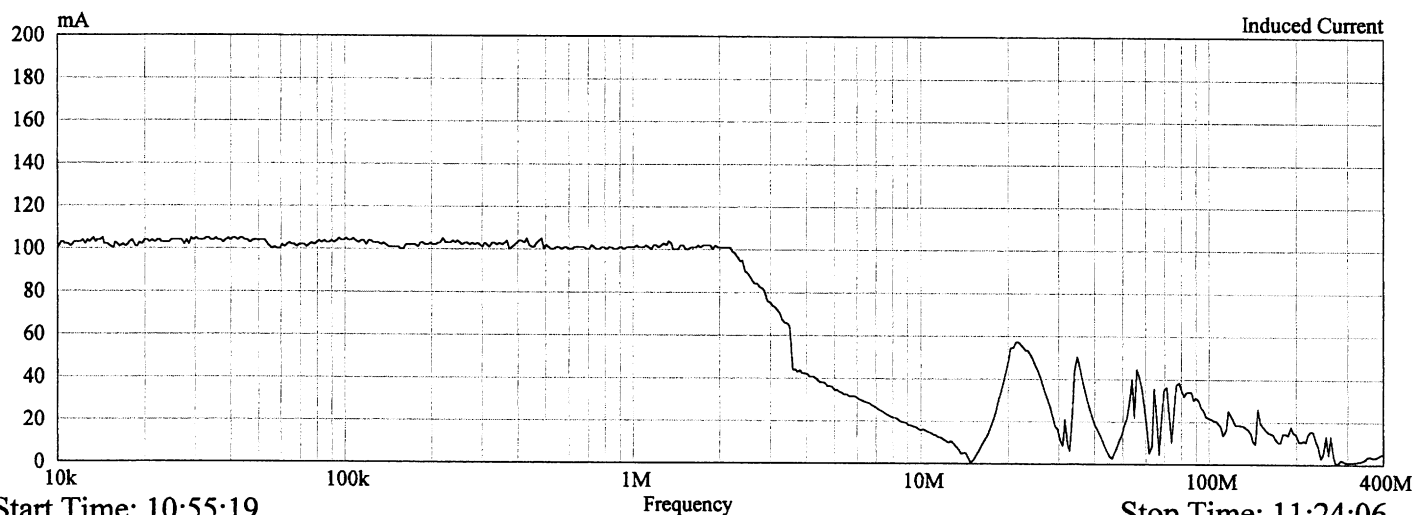
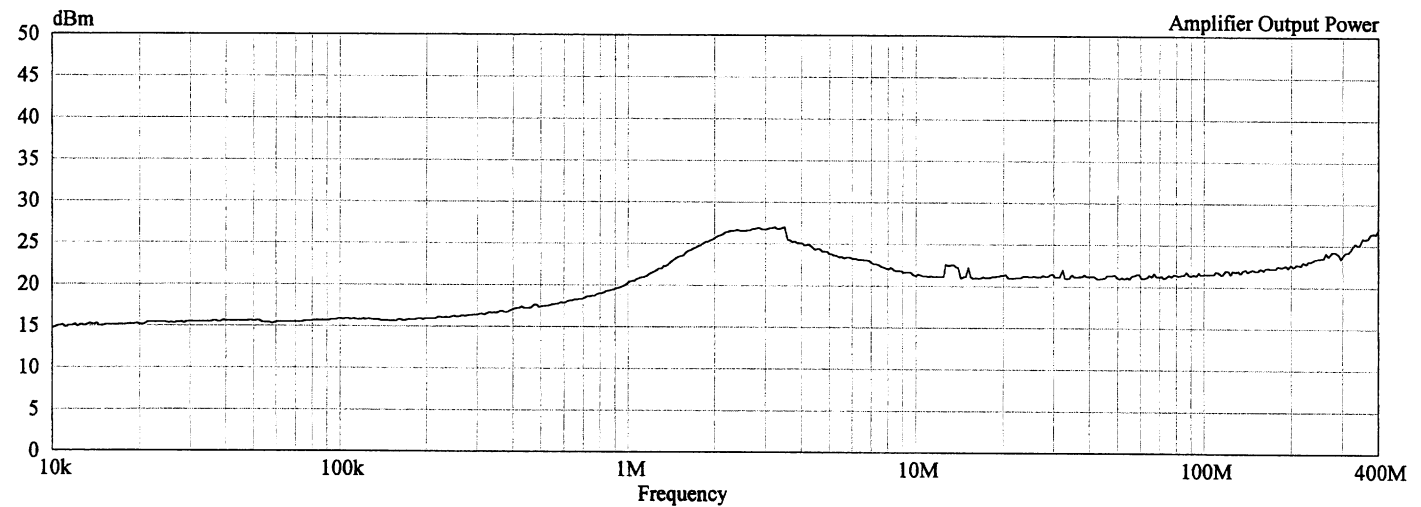
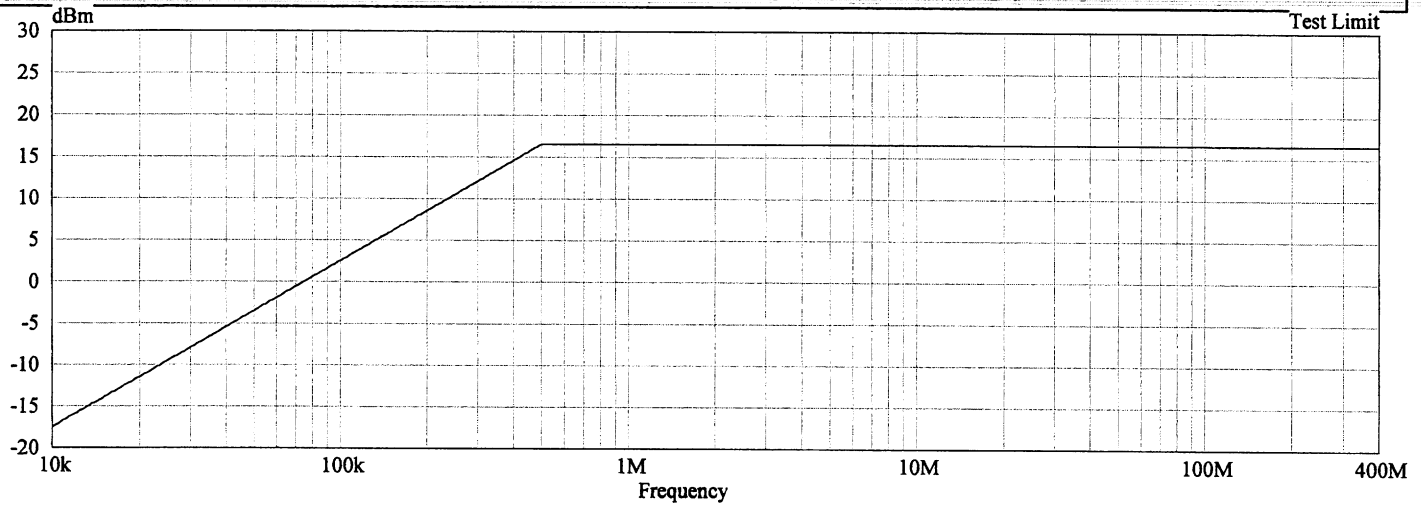


Date: 17 Oct 2000
Test no: 22

Customer: BFGoodrich
Device: TCAS
Model # SkyHP
Serial # First Test
Mode: Idle
Remarks: Tested as received

Generator: 3325A/8341B
Modulation: 90% AM 1kHz sqr
Amplifier: 1000L/5W1000
Chamber: Anechoic
Operator: ES

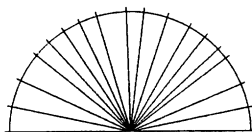
Line: J9
Inj.Probe: FCC F120/F130
Monitor: F63
Test Cat.: Category U/R
Max I: 100



Start Time: 10:55:19

Stop Time: 11:24:06

SPECTRUM CONTROL, INC.
CONDUCTED SUSCEPTIBILITY
RTCA/DO-160D



Date: 17 Oct 2000

Test no: 23

Customer: BFGoodrich

Device: TCAS

Model # SkyHP

Serial # First Test

Mode: Idle

Remarks: Tested as received

Generator: 3325A/8341B

Modulation: 90% AM 1kHz sqr

Amplifier: 1000L/5W1000

Chamber: Anechoic

Operator: ES

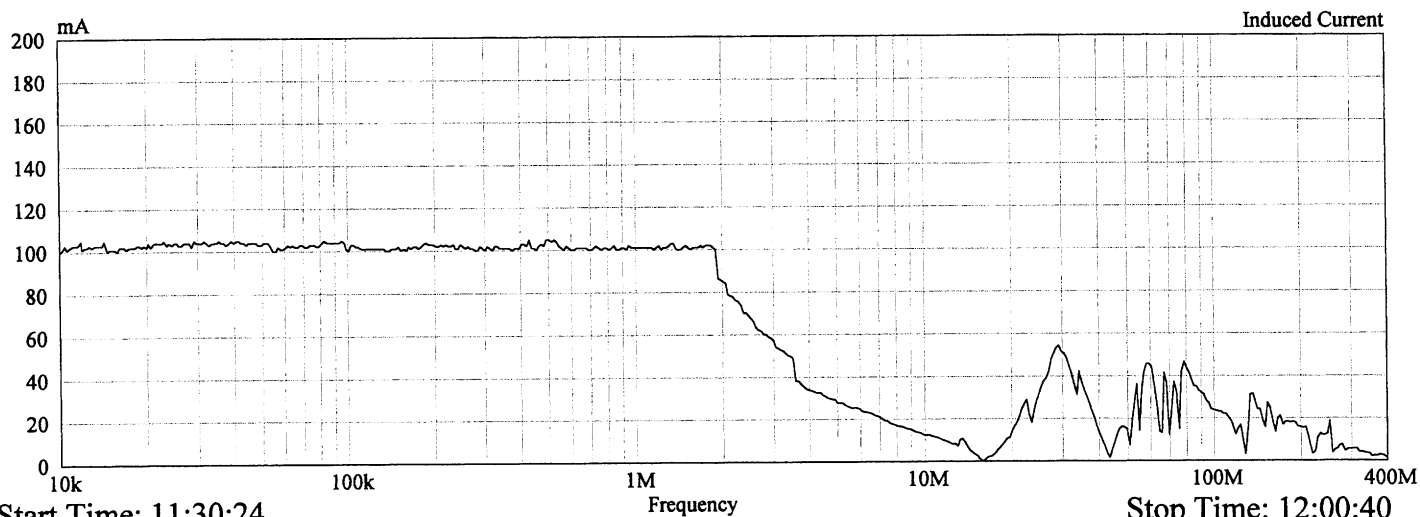
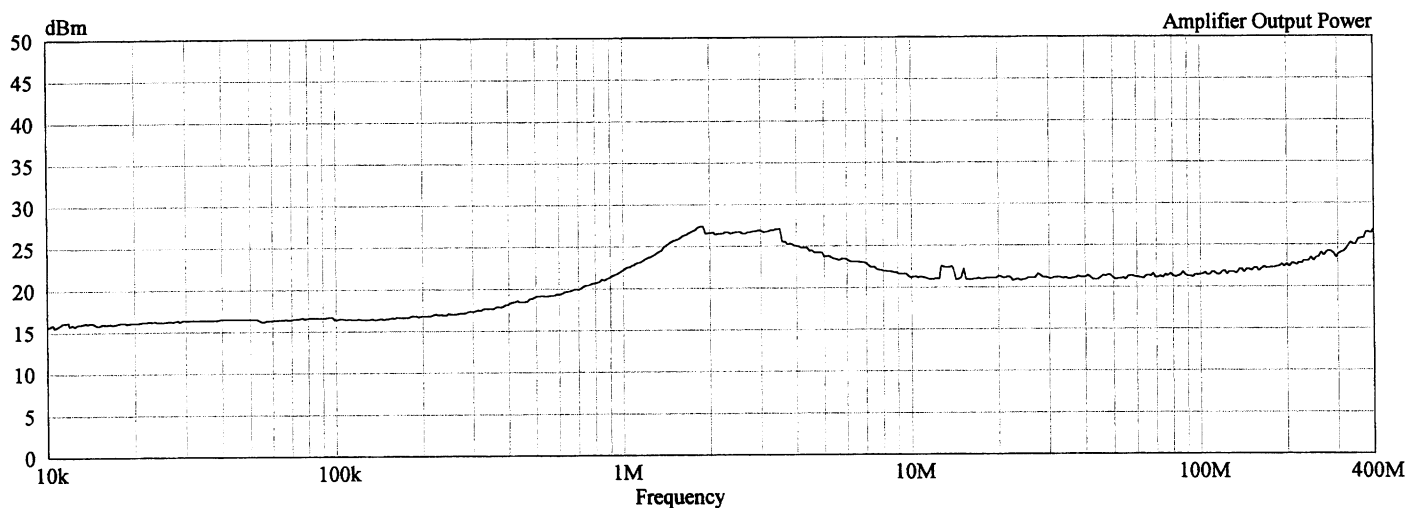
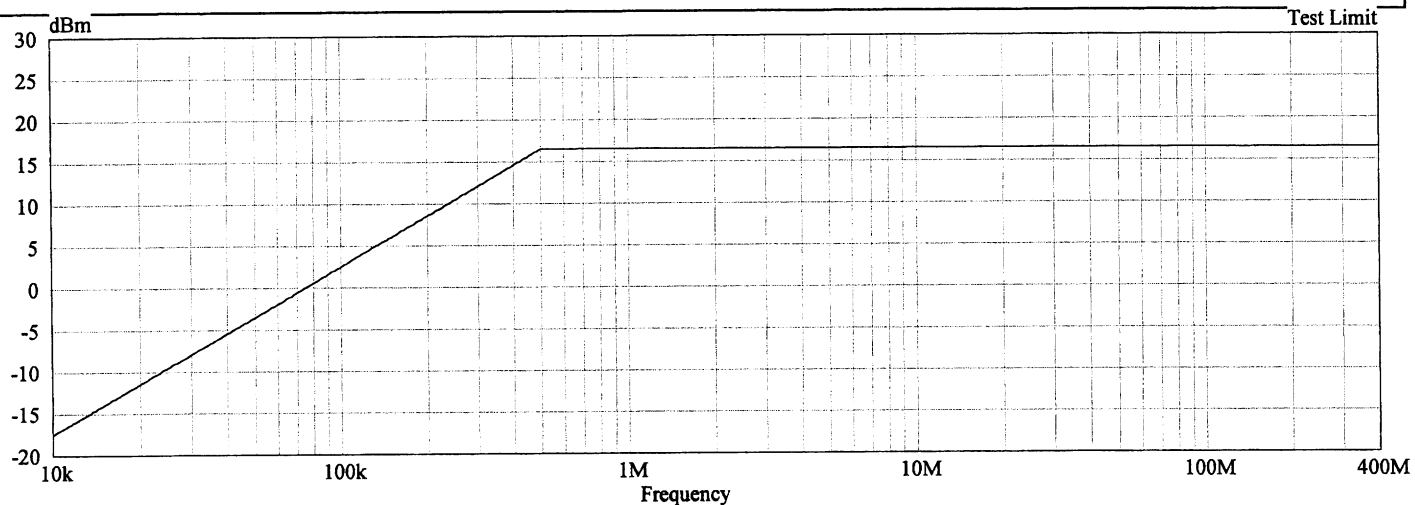
Line: J10

Inj.Probe: FCC F120/F130

Monitor: F63

Test Cat.: Category U/R

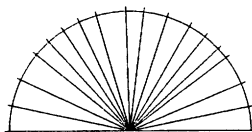
Max I: 100



Start Time: 11:30:24

Stop Time: 12:00:40

SPECTRUM CONTROL, INC.
CONDUCTED SUSCEPTIBILITY
RTCA/DO-160D



Date: 17 Oct 2000

Test no: 24

Customer: BFGoodrich

Device: TCAS

Model # SkyHP

Serial # First Test

Mode: Idle

Remarks: Tested as Rcvd

Generator: 3325A/8341B

Modulation: 90% AM 1kHz sqr

Amplifier: 25A100/5W100

Chamber: Anechoic

Operator: ES

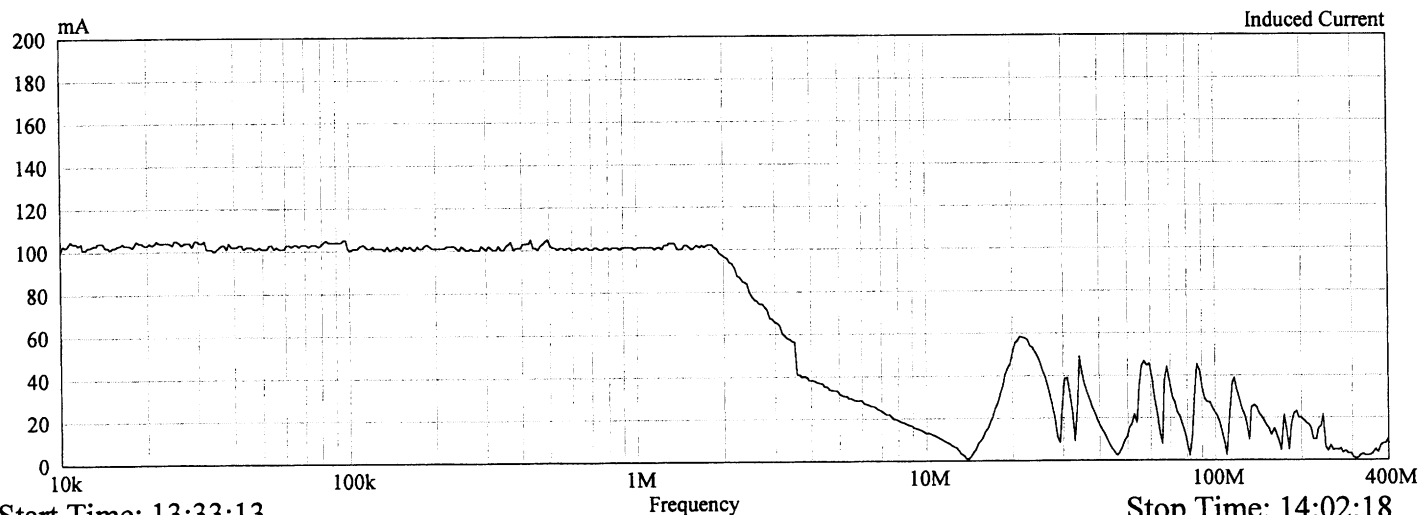
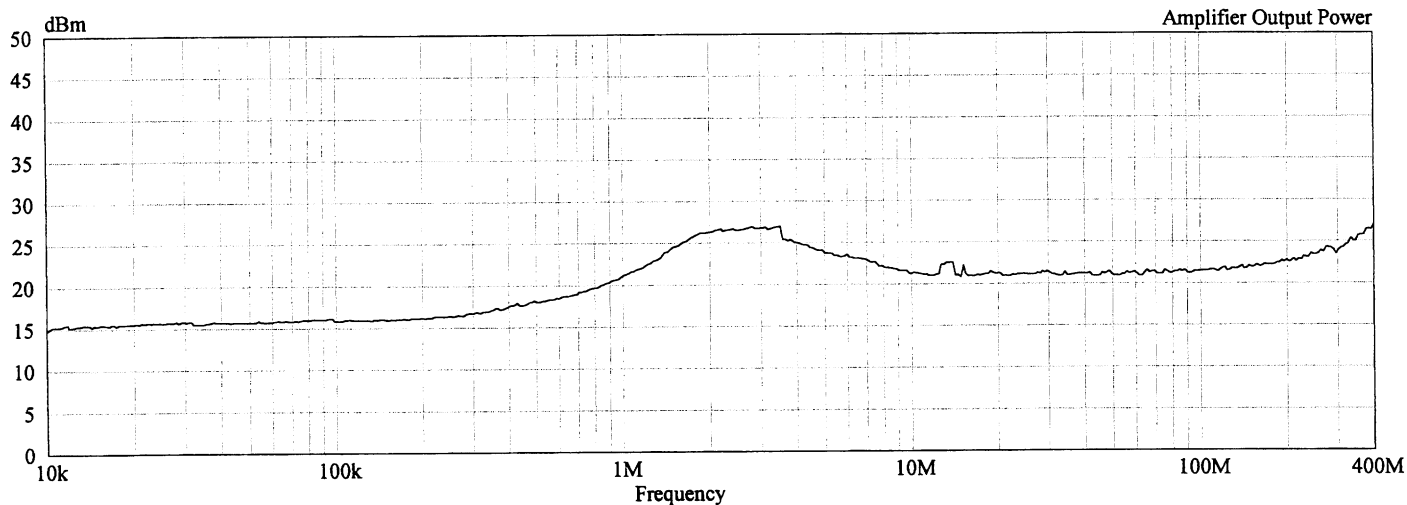
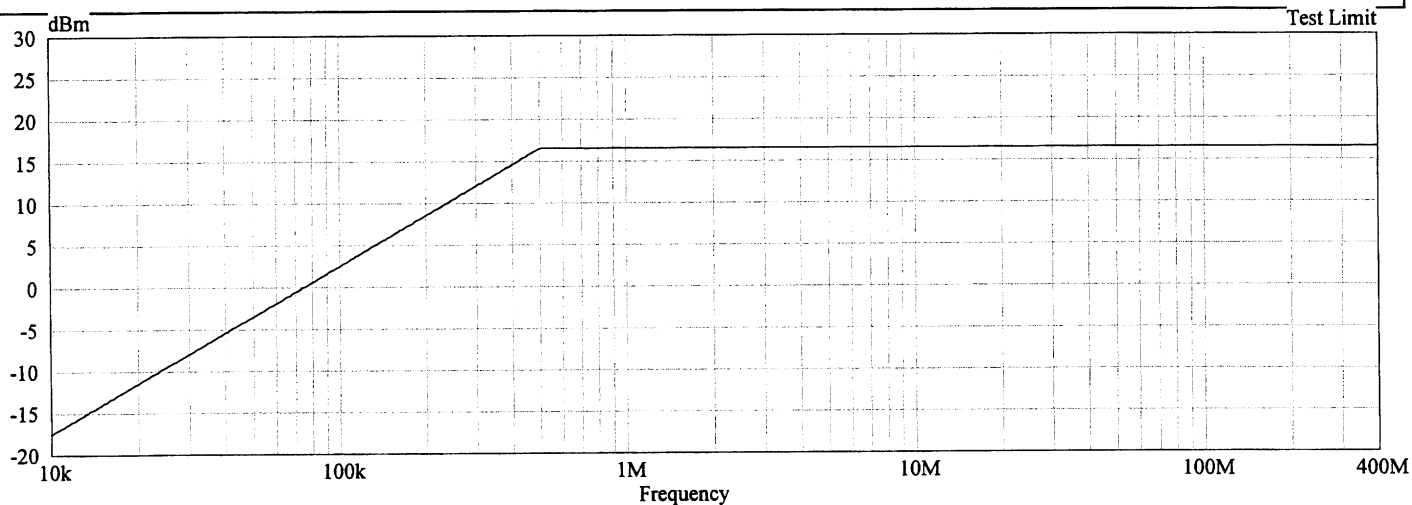
Line: J11

Inj.Probe: FCC F120/F130

Monitor: F63

Test Cat.: Category U/R

Max I: 100



Start Time: 13:33:13

Stop Time: 14:02:18

Spectrum Control, Inc.
EMISSION LEVEL[

dBuA]

PEAK

16 Oct 2000 15:06:50

80

60

40

20

0

RTCA/DO-160D CONDUCTED EMISSION
BFGoodrich SkyHP TCAS firsttest
Idle
line +28
tested as rcvd

POWER CAT L/M/H

.1

1

10

50

FREQUENCY [MHz]

C:\DATA\BFG\SKYHP\01

Spectrum Control, Inc.
EMISSION LEVEL[

dBuA]

PEAK

16 Oct 2000 15:01:33

80

60

40

20

0

RTCA/DO-160D CONDUCTED EMISSION
BFGoodrich SkyHP TCAS firsttest
Idle
line +28 rtn
tested as rcvd

POWER CAT L/M/H

.1

1

10

50

FREQUENCY [MHz]

C:\DATA\BFG\SKYHP\02

Spectrum Control, Inc.
EMISSION LEVEL[

dBuA]

PEAK

16 Oct 2000 15:16:03

100

80

60

40

20

.1

1

10

50

FREQUENCY [MHz]

RTCA/DO-160D CONDUCTED
BFGoodrich SkyHP TCAS firsttest
off
line J1
ambient level

I/O CAT L/M/H

C:\DATA\BFG\SKYHP\03

Spectrum Control, Inc.
EMISSION LEVEL[

dBuA]

PEAK

16 Oct 2000 15:22:36

100

80

60

40

20

.1

1

10

50

FREQUENCY [MHz]

RTCA/DO-160D CONDUCTED
BFGoodrich SkyHP TCAS firsttest
Idle
line J1
tested as rcvd

I/O CAT L/M/H

C:\DATA\BFG\SKYHP\04

Spectrum Control, Inc.
EMISSION LEVEL[

dBuA]

PEAK

16 Oct 2000 15:29:21

100

80

60

40

20

.1

1

10

50

FREQUENCY [MHz]

RTCA/DO-160D CONDUCTED

BFGoodrich SkyHP TCAS firsttest

Idle

line J9

tested as rcvd

I/O CAT L/M/H

C:\DATA\BFG\SKYHP\05

Spectrum Control, Inc.
EMISSION LEVEL[

dBuA]

PEAK

16 Oct 2000 15:35:03

100

80

60

40

20

.1

1

10

50

FREQUENCY [MHz]

RTCA/DO-160D CONDUCTED

BFGoodrich SkyHP TCAS firsttest

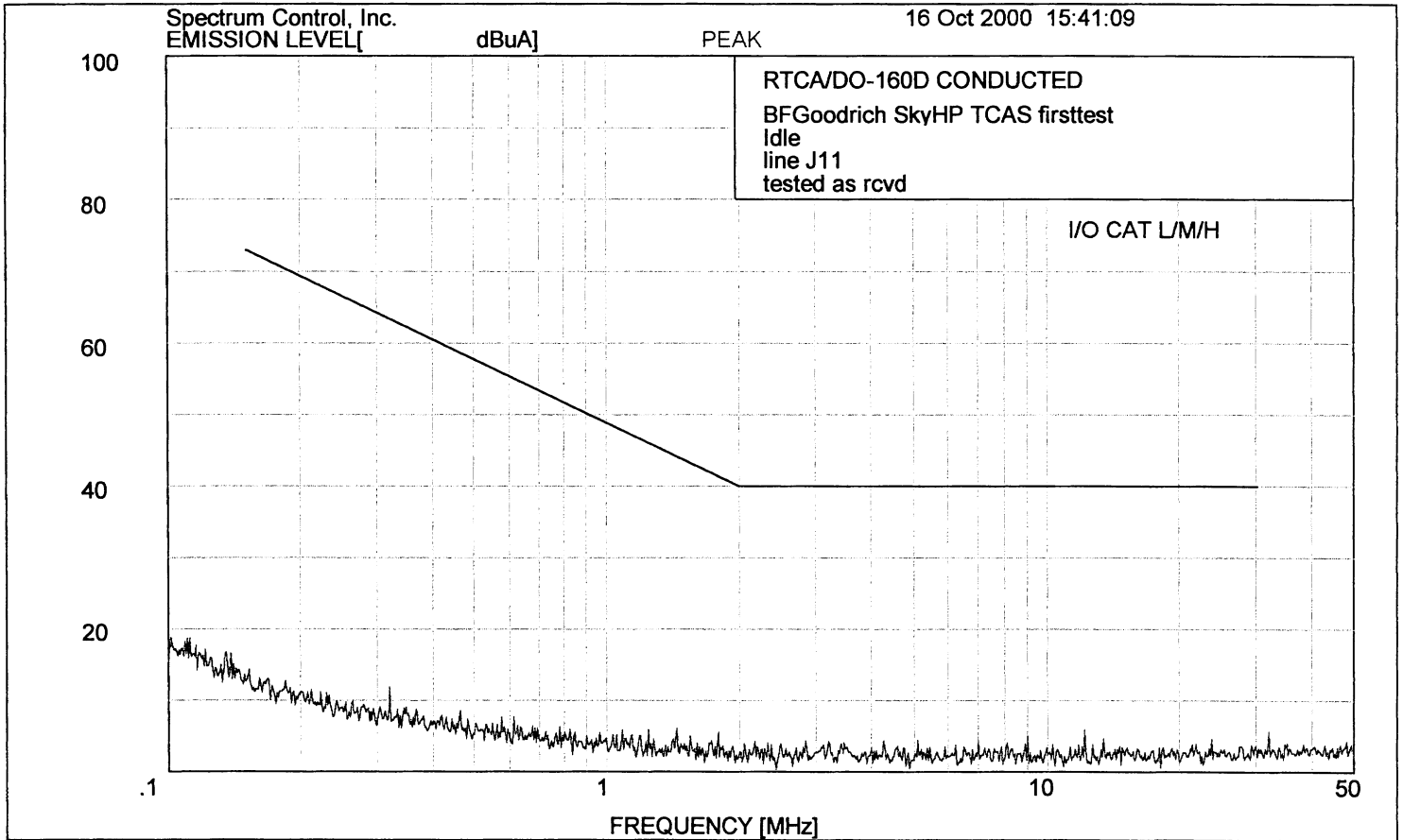
Idle

line J10

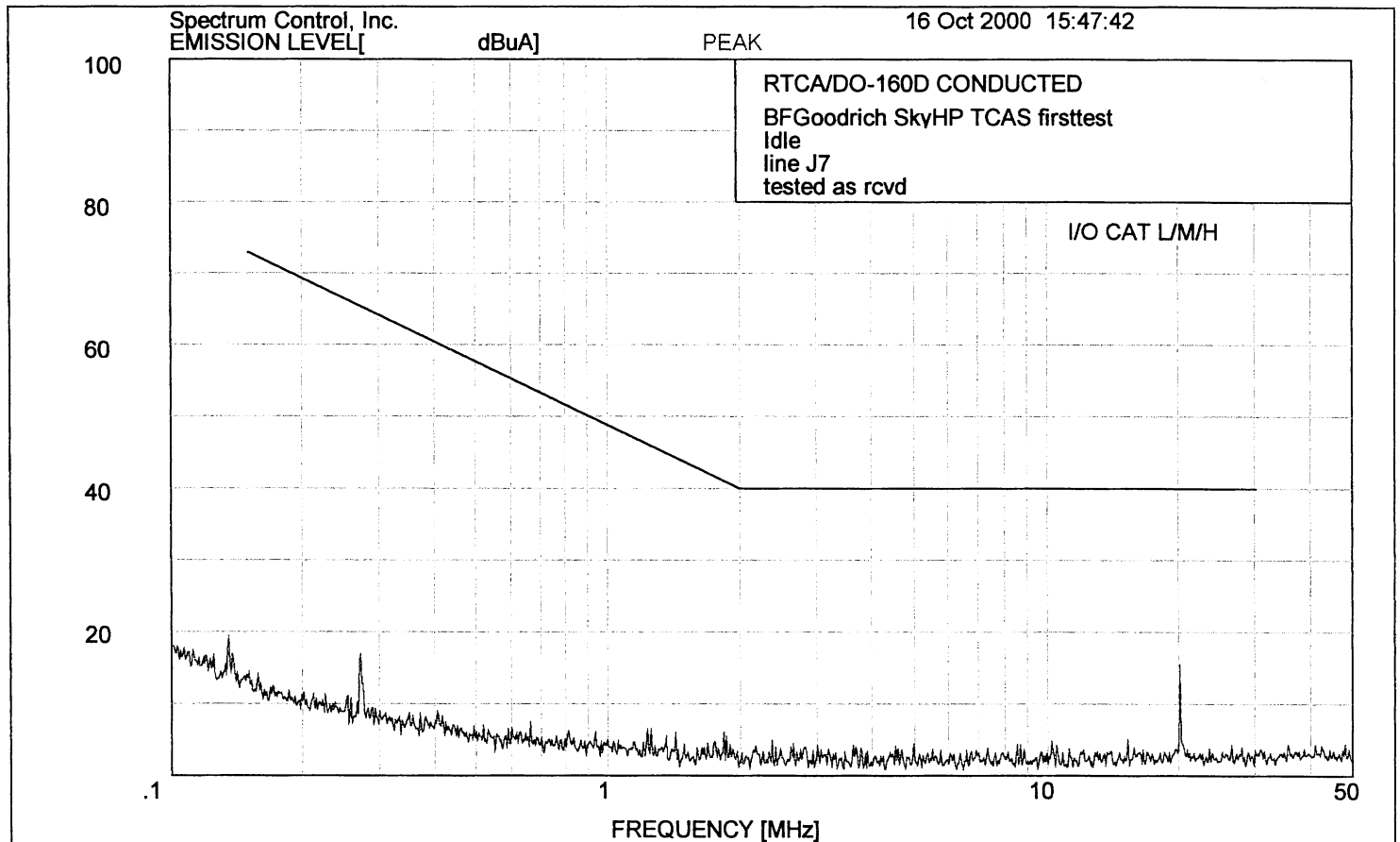
tested as rcvd

I/O CAT L/M/H

C:\DATA\BFG\SKYHP\06



C:\DATA\BFG\SKYHP\07



C:\DATA\BFG\SKYHP\08