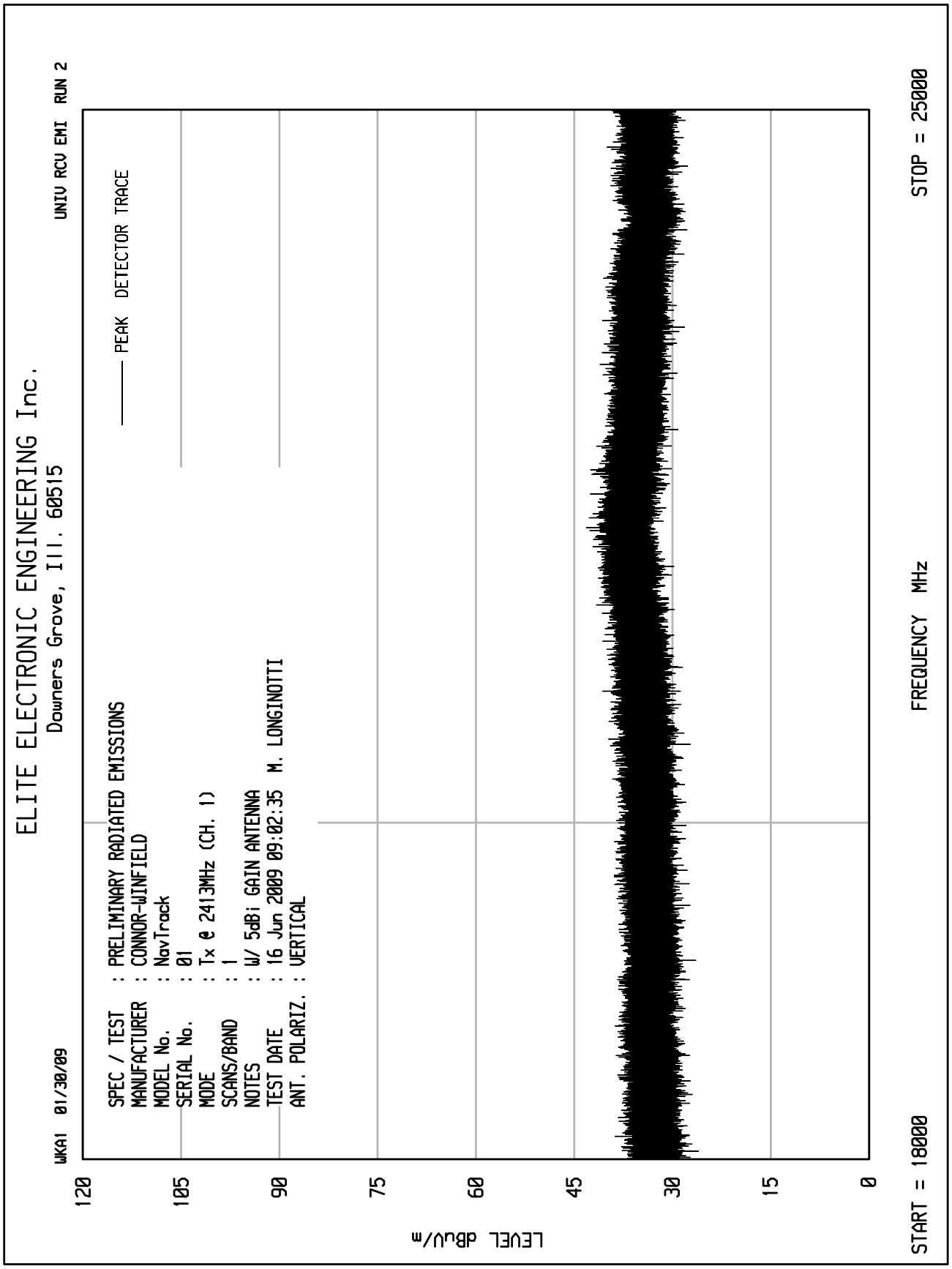
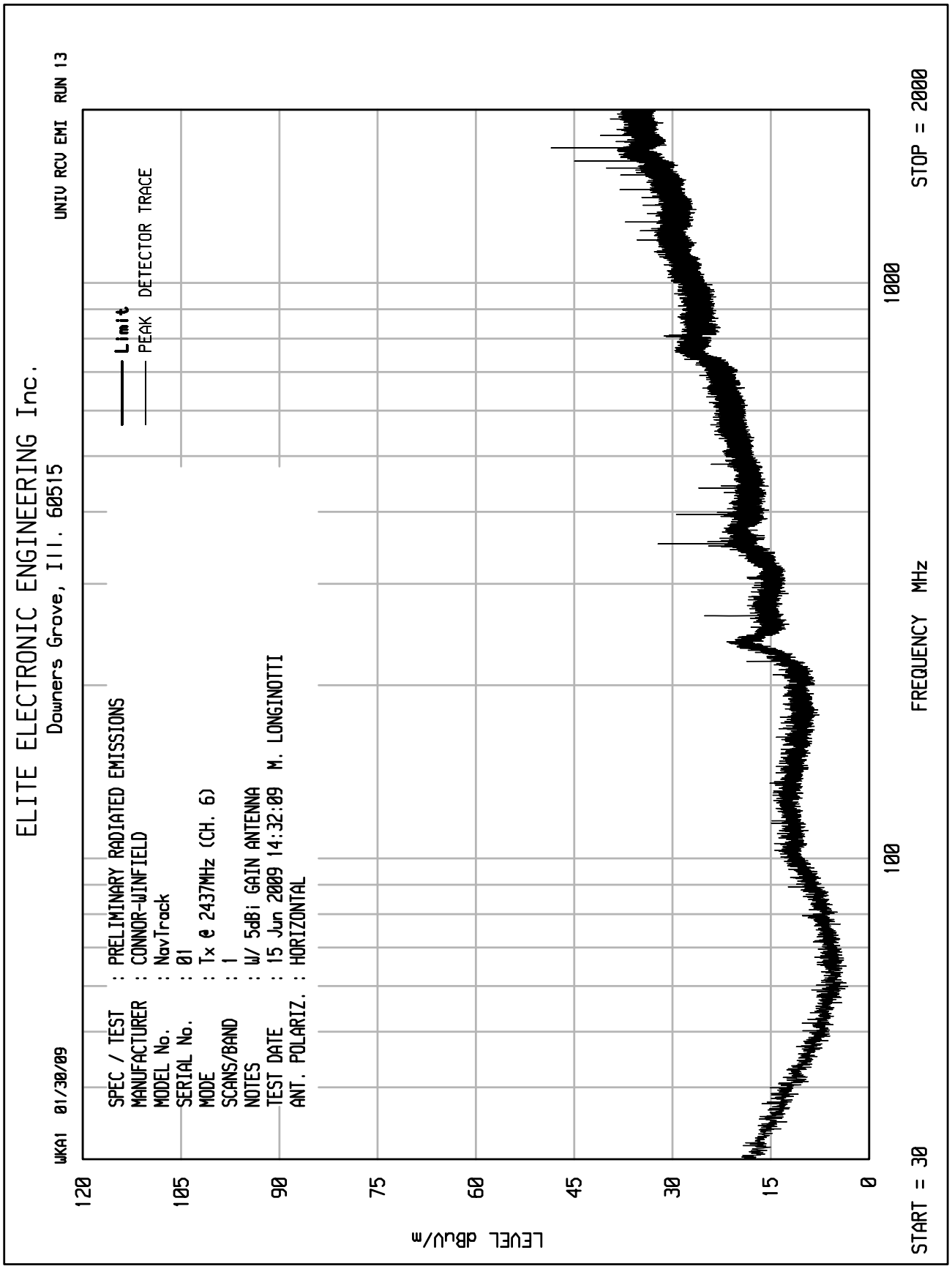
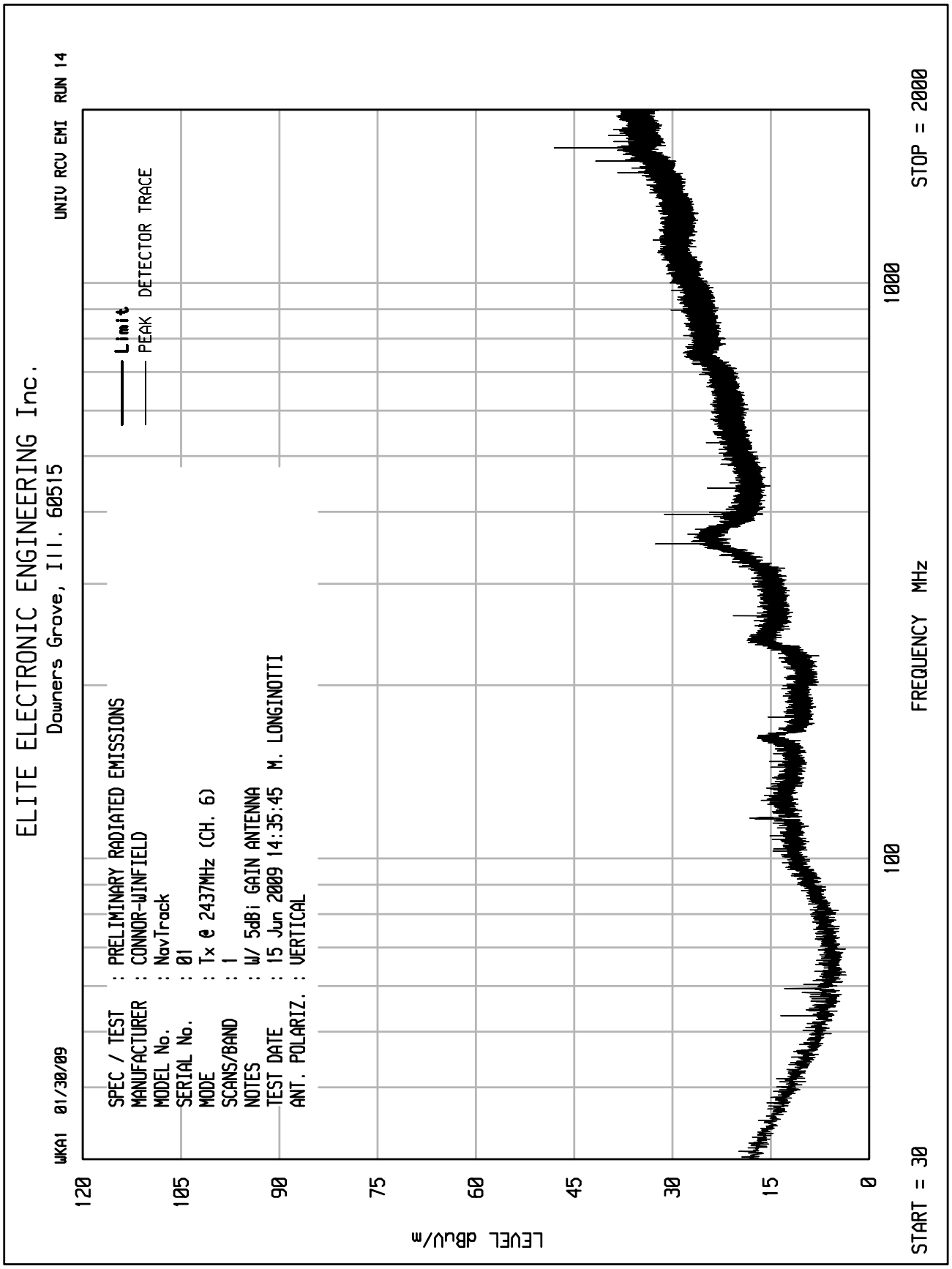
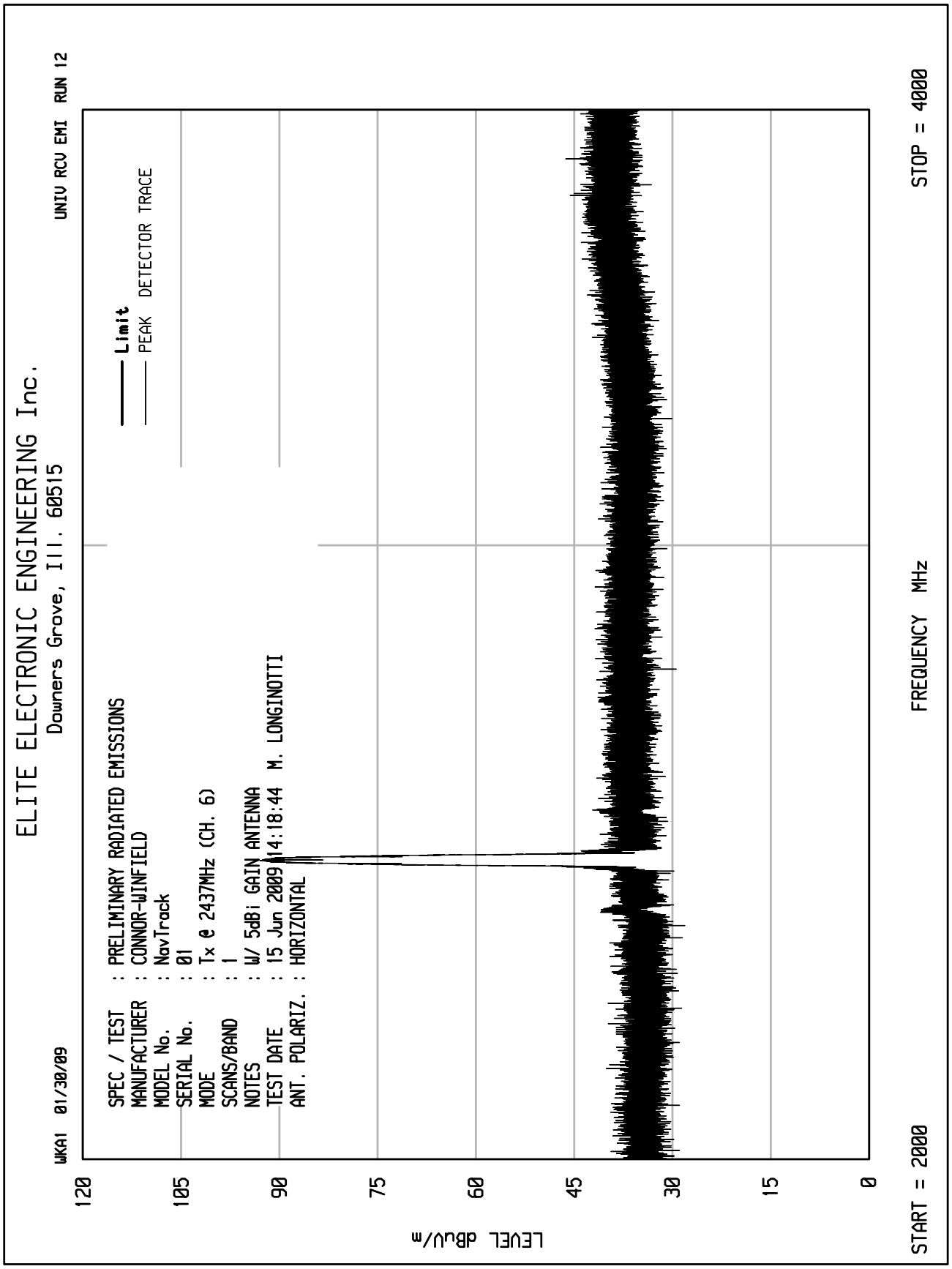
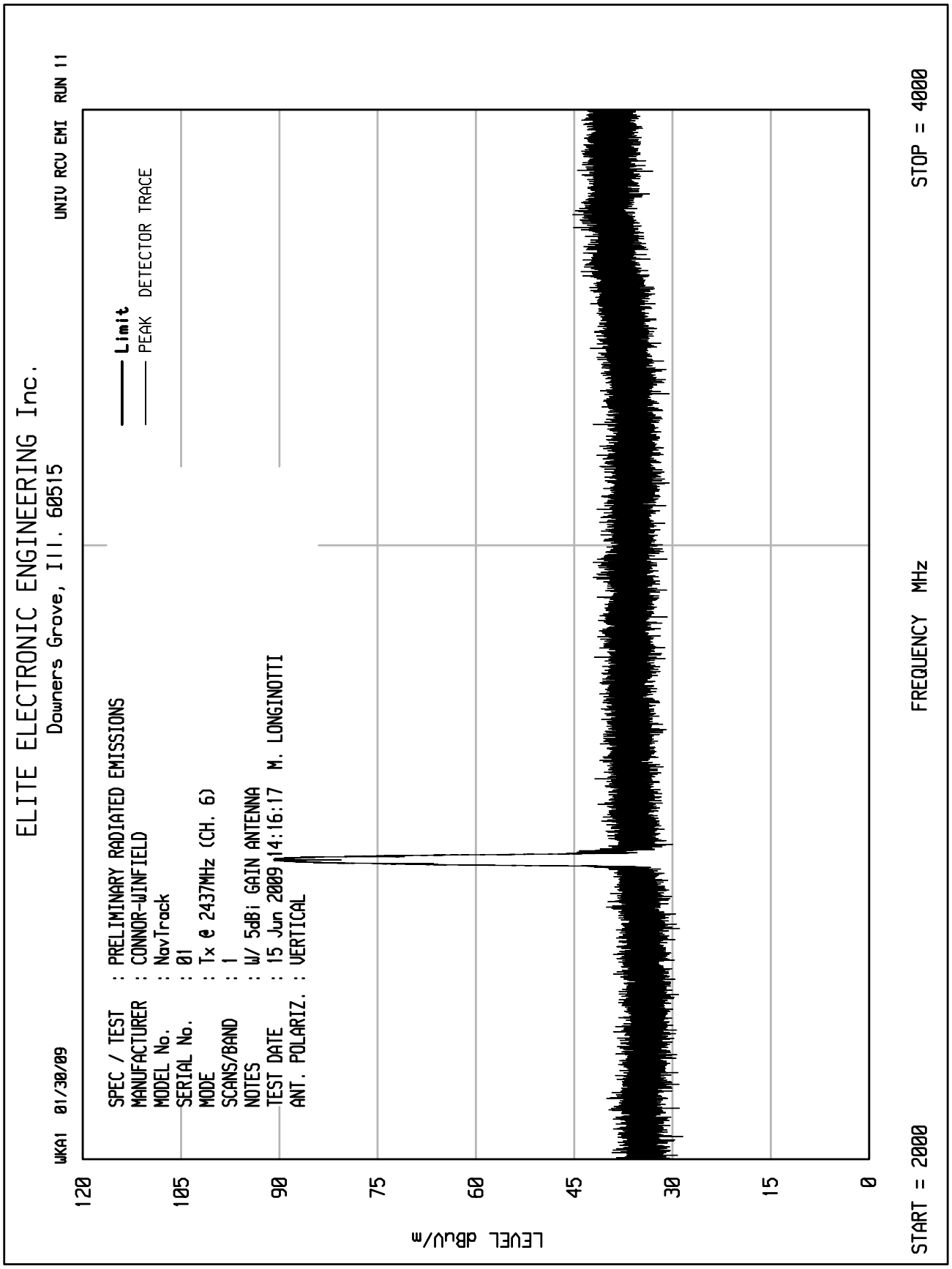
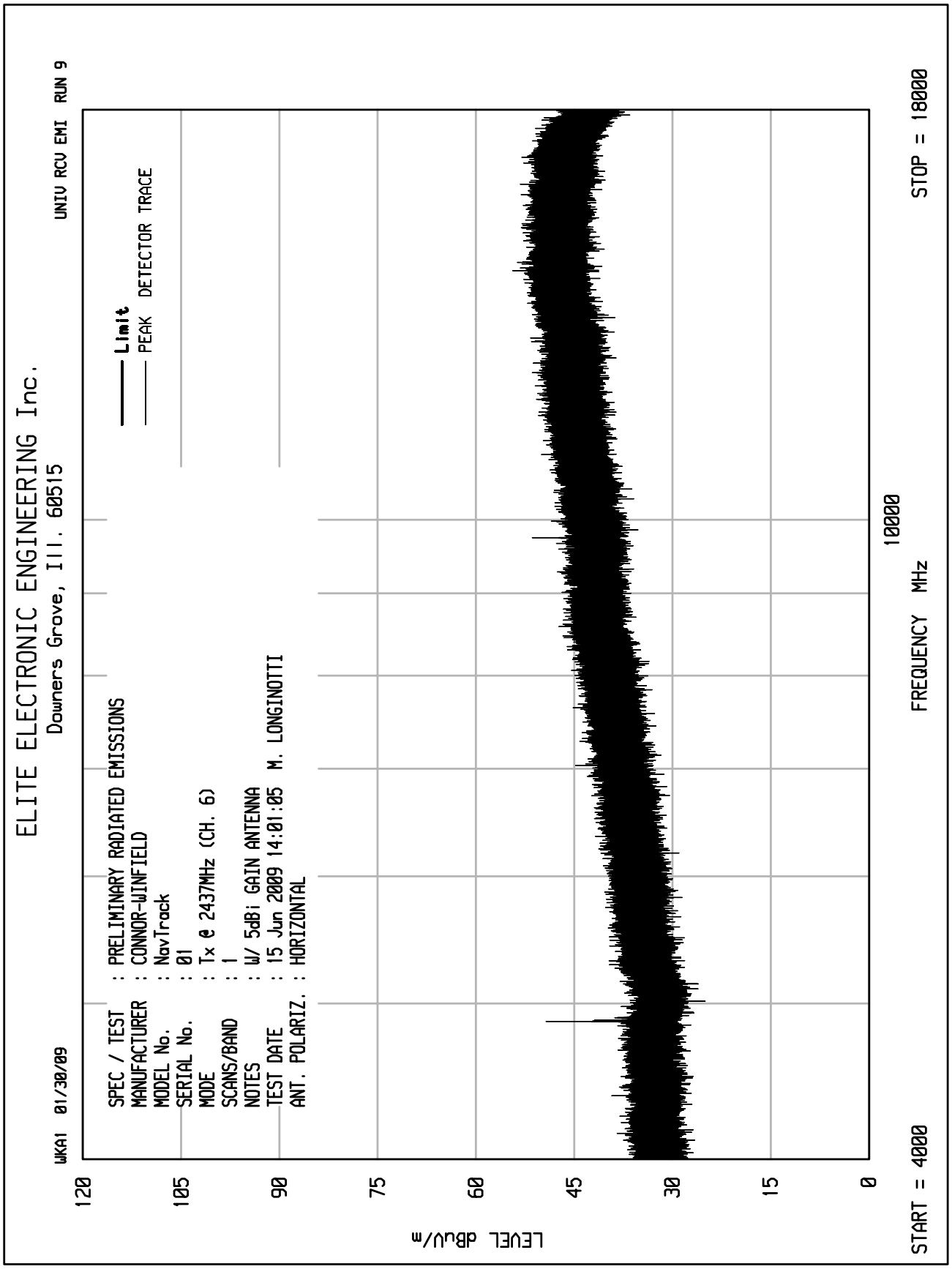

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 2
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2413MHz (CH. 1)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 16 Jun 2009 09:02:35 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 25000

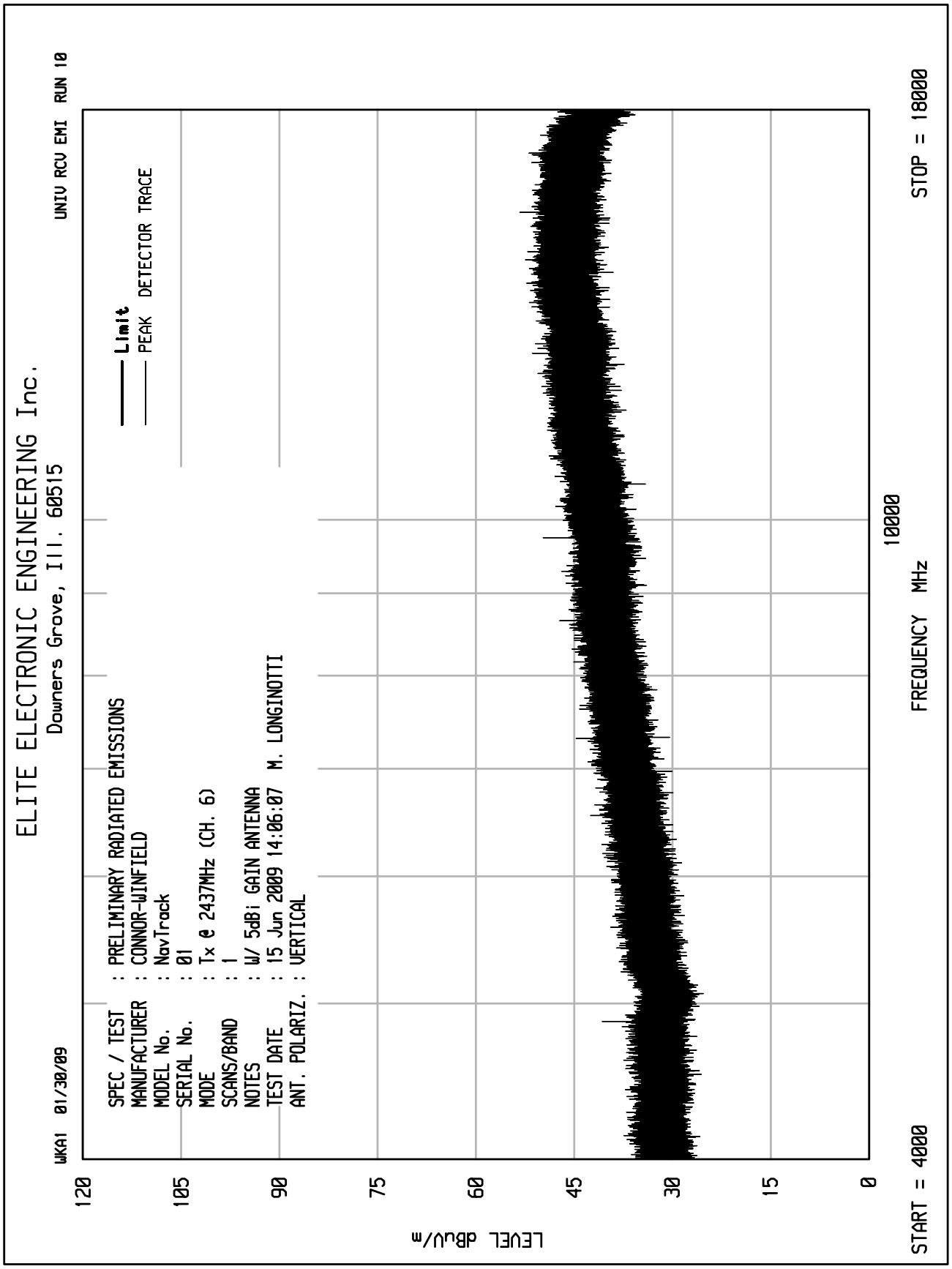

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 13
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2437MHz (CH. 6)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 15 Jun 2009 14:32:09 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 30
100
1000
STOP = 2000
FREQUENCY MHz

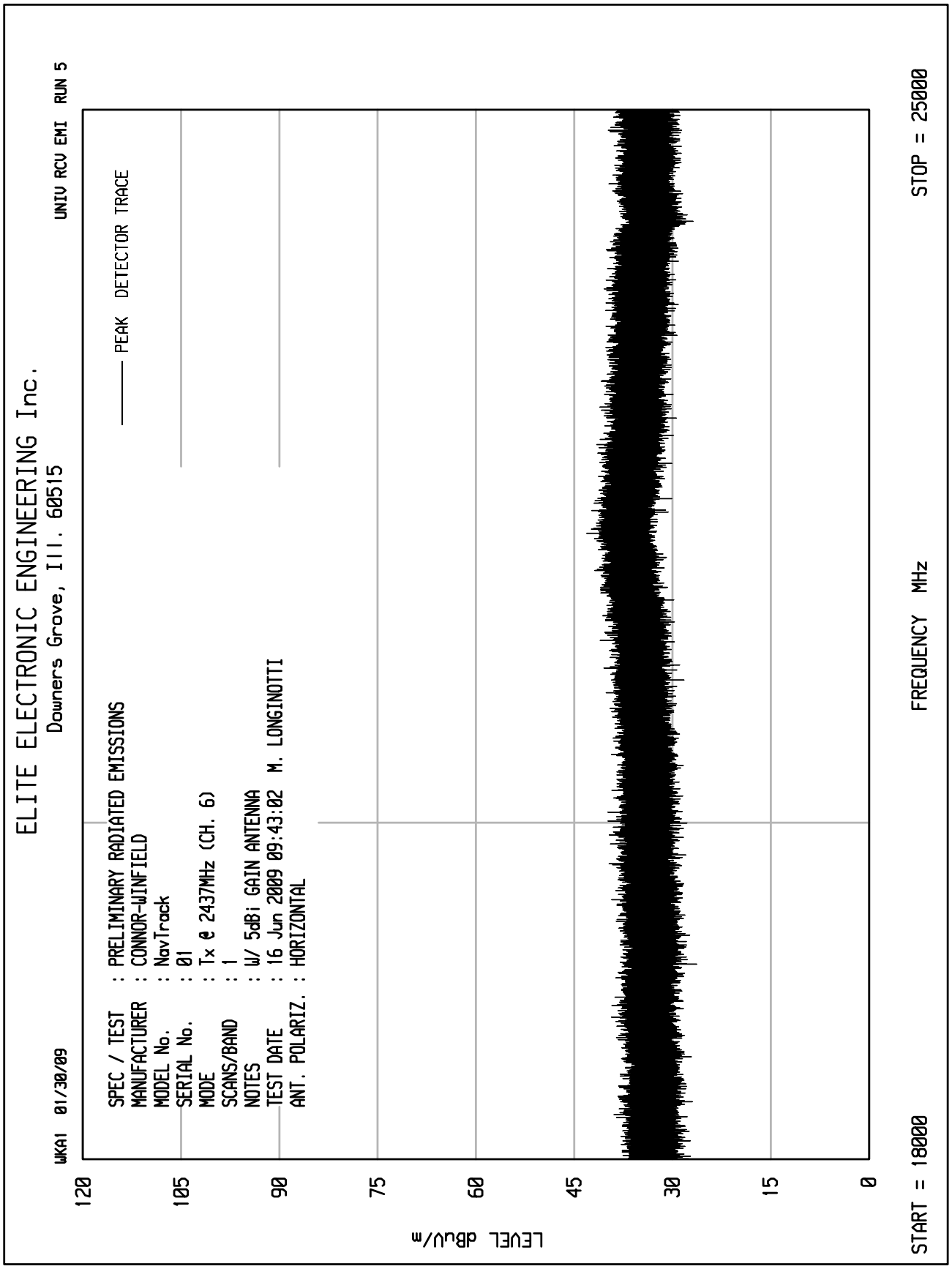

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 14
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2437MHz (CH. 6)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 15 Jun 2009 14:35:45 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 30
100
1000
STOP = 2000
FREQUENCY MHz

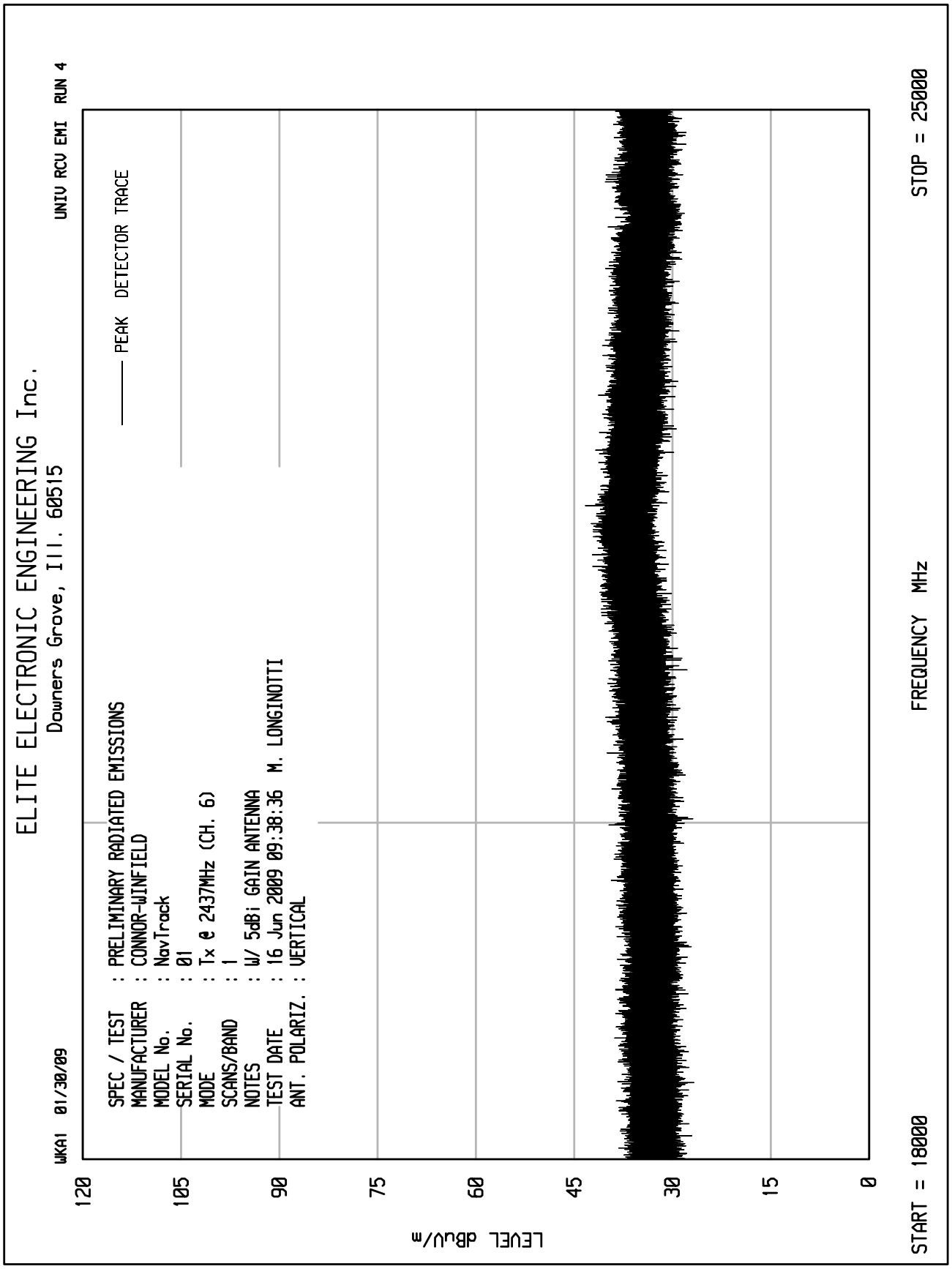

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 12
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2437MHz (CH. 6)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 15 Jun 2009 14:18:44 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 2000
FREQUENCY MHz
STOP = 4000

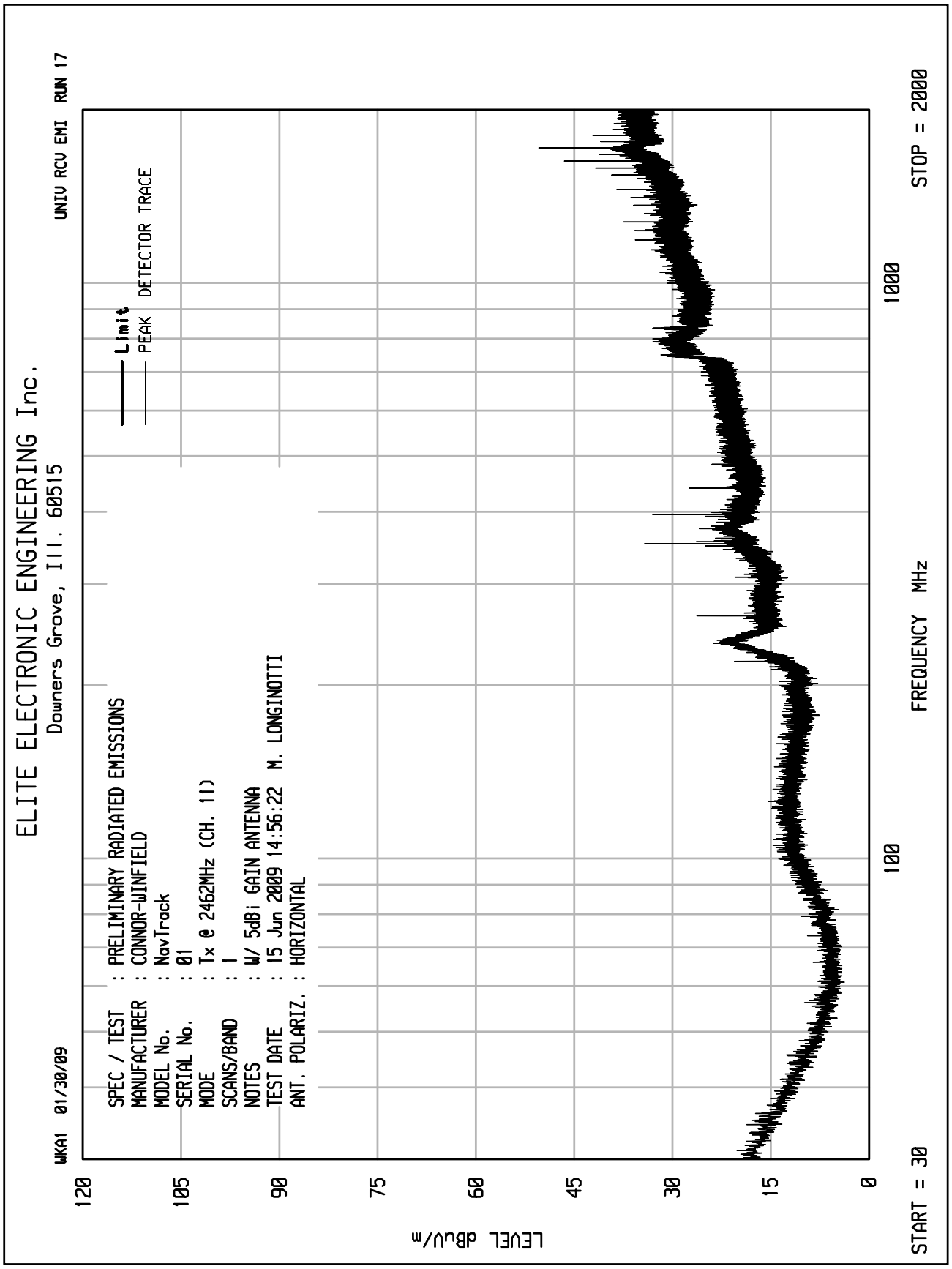

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 11
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2437MHz (CH. 6)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 15 Jun 2009 14:16:17 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 2000
FREQUENCY MHz
STOP = 4000

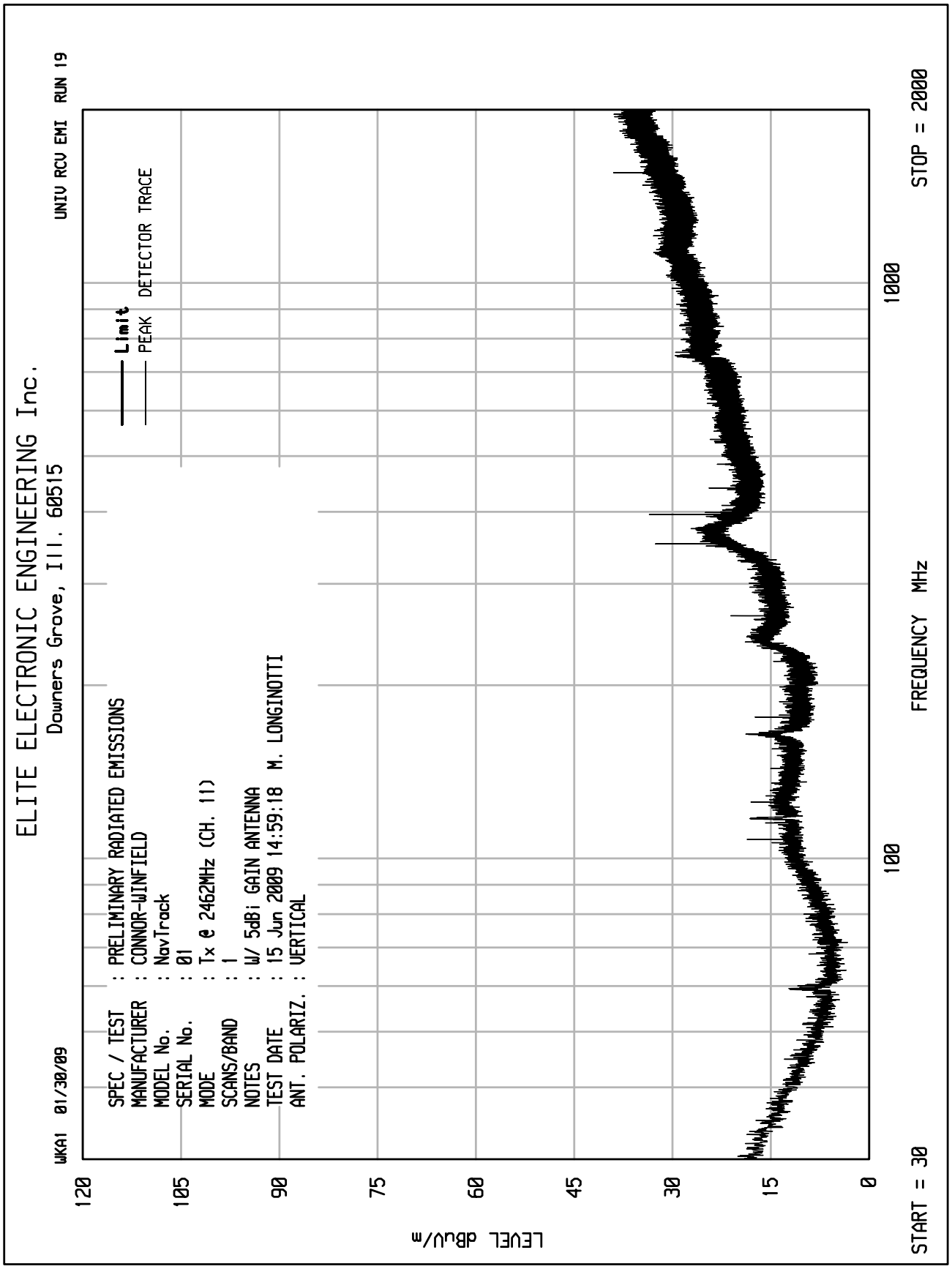

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 9
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2437MHz (CH. 6)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 15 Jun 2009 14:01:05 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 4000
10000
FREQUENCY MHz
STOP = 18000

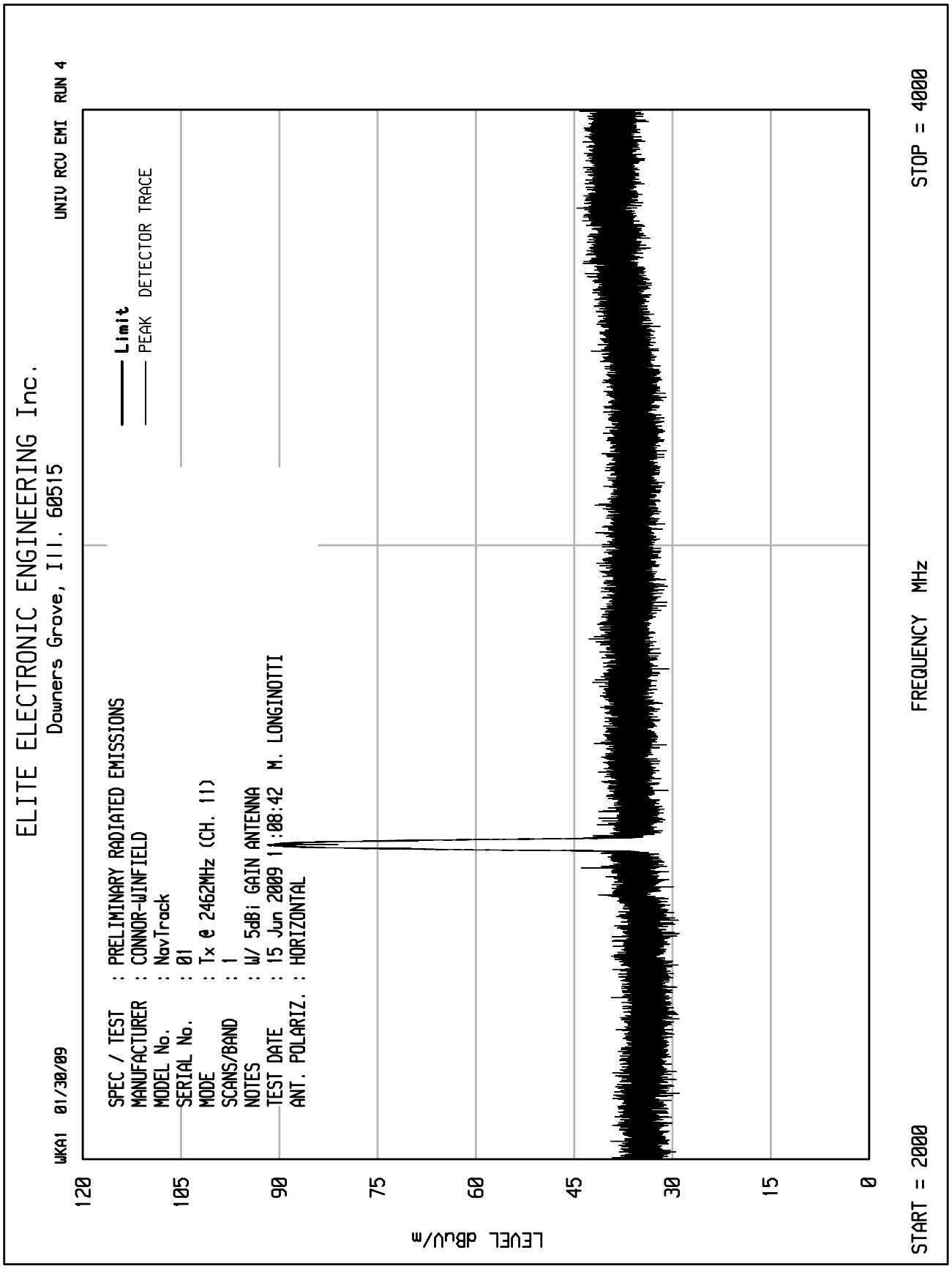

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 10
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2437MHz (CH. 6)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 15 Jun 2009 14:06:07 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 4000
10000
FREQUENCY MHz
STOP = 18000

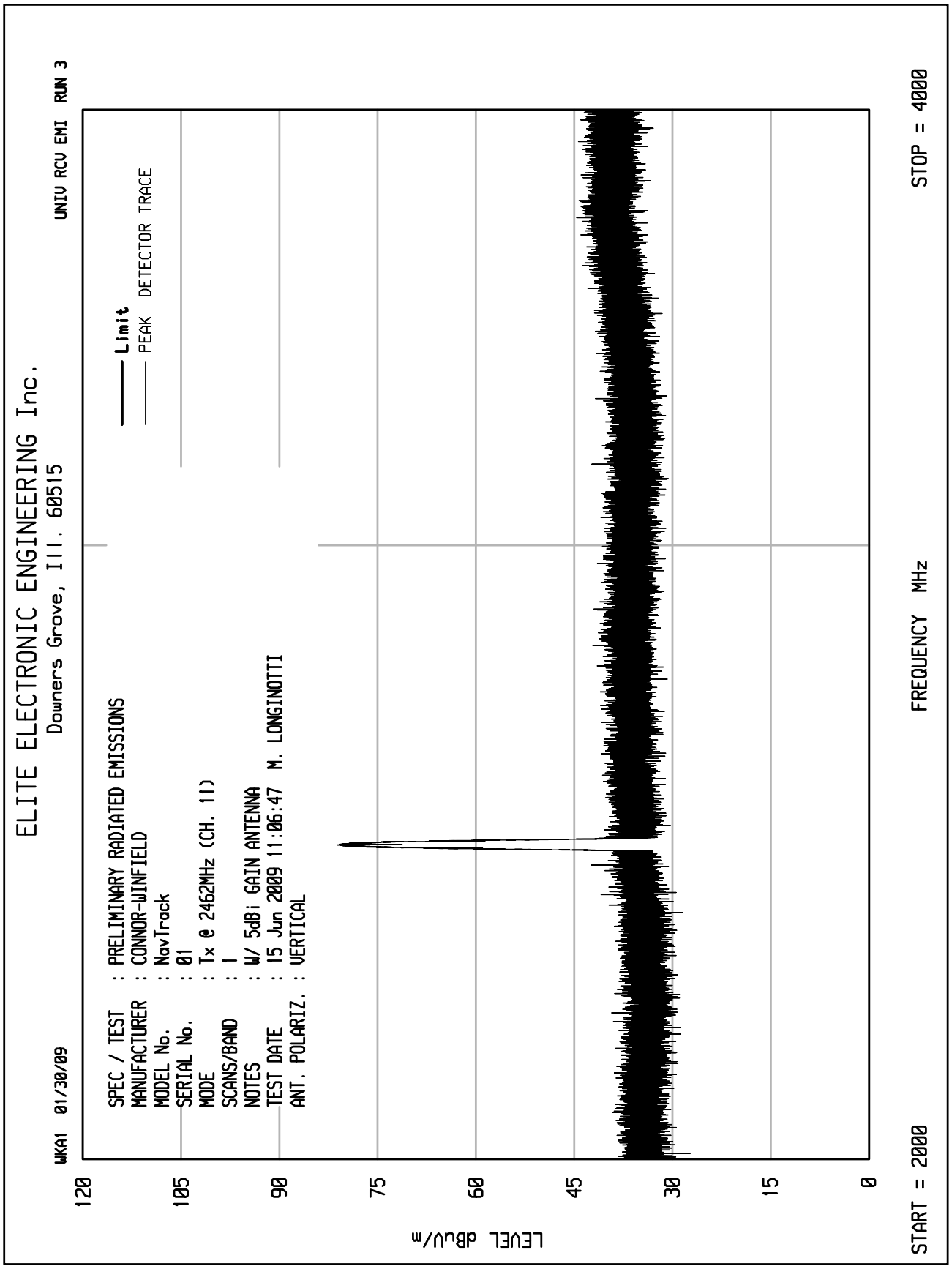

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 5
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2437MHz (CH. 6)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 16 Jun 2009 09:43:02 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 25000

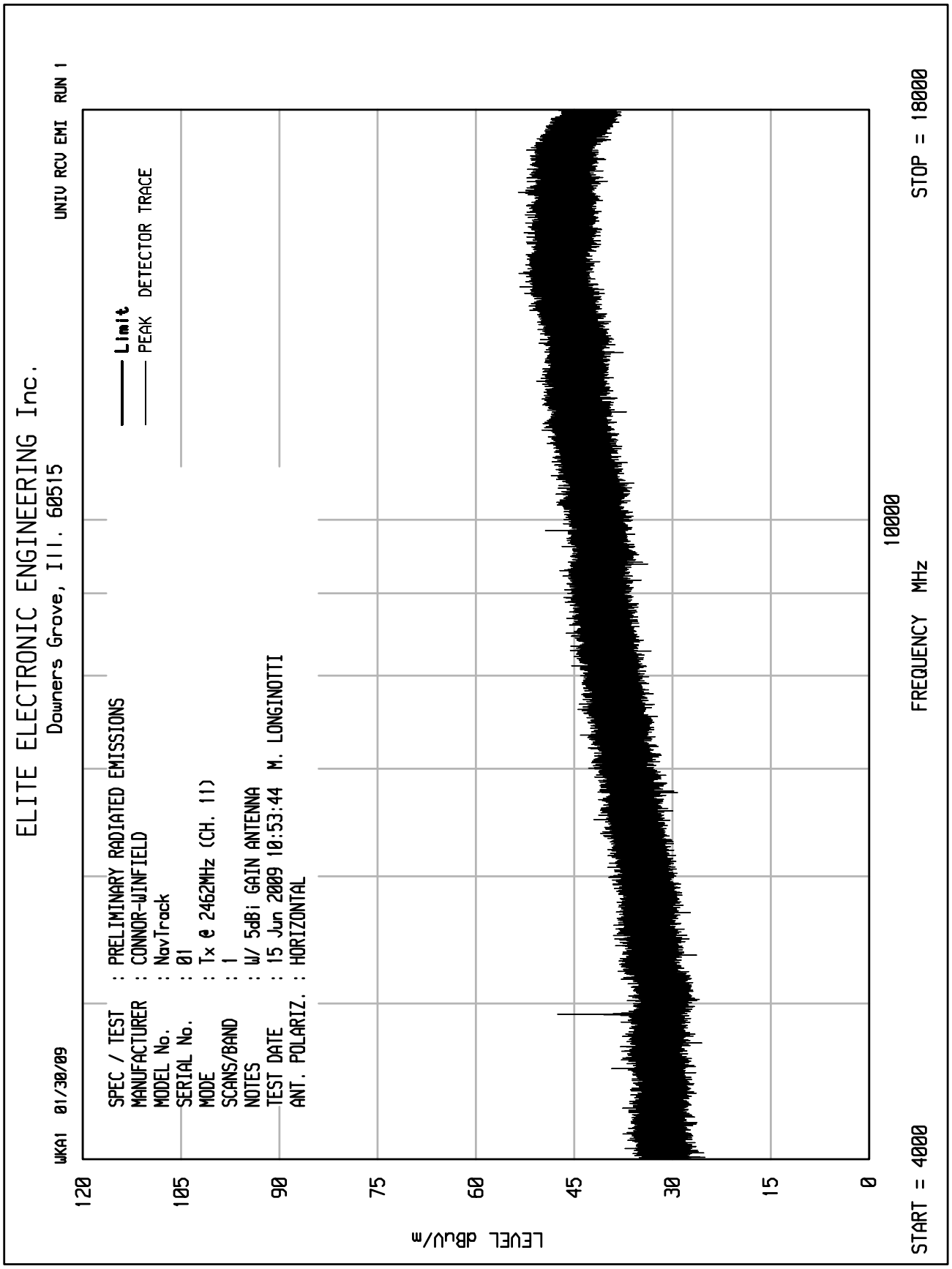

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 4
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2437MHz (CH. 6)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 16 Jun 2009 09:38:36 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 25000

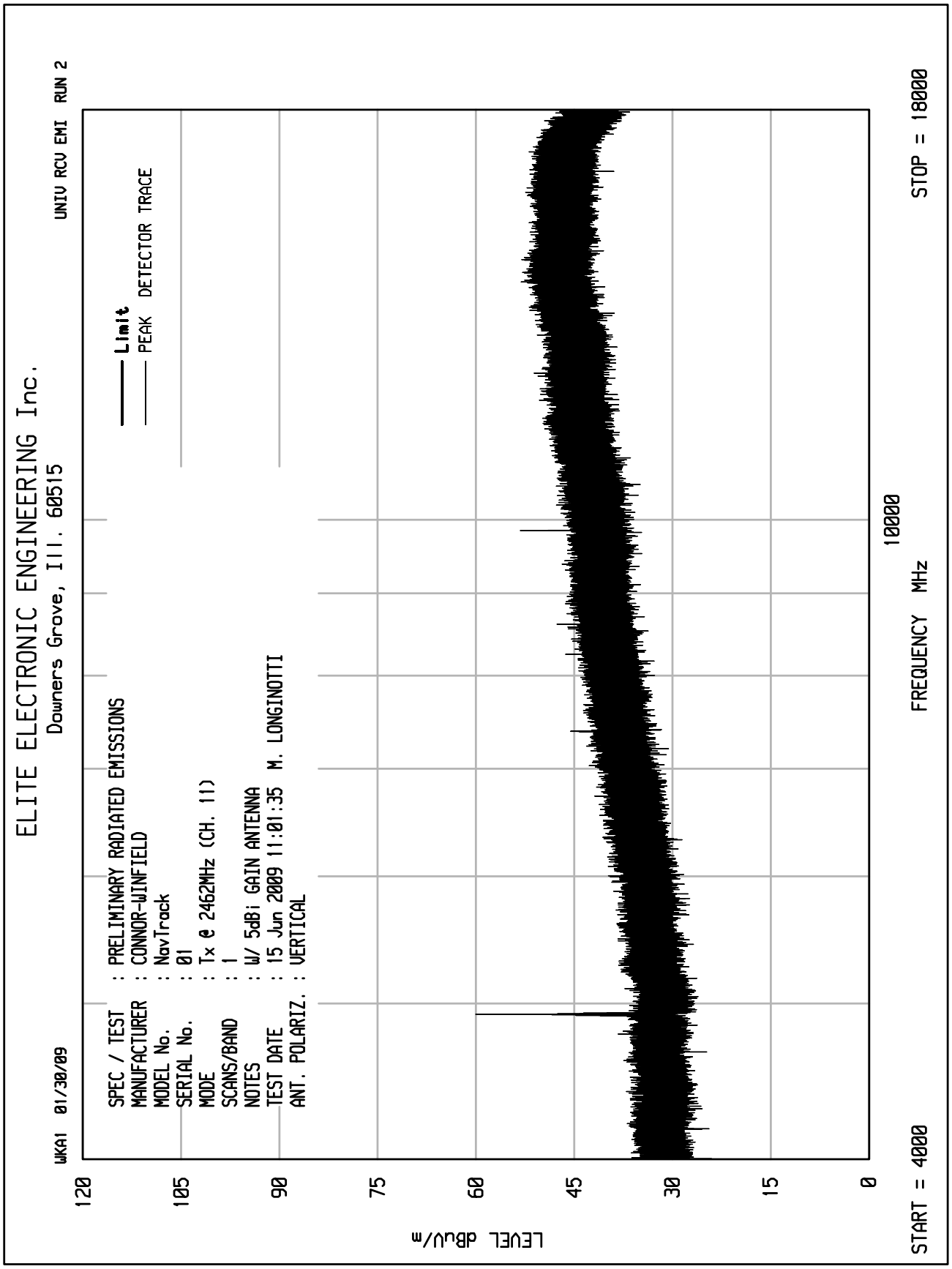

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 17
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2462MHz (CH. 11)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 15 Jun 2009 14:56:22 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 30
100
1000
STOP = 2000
FREQUENCY MHz

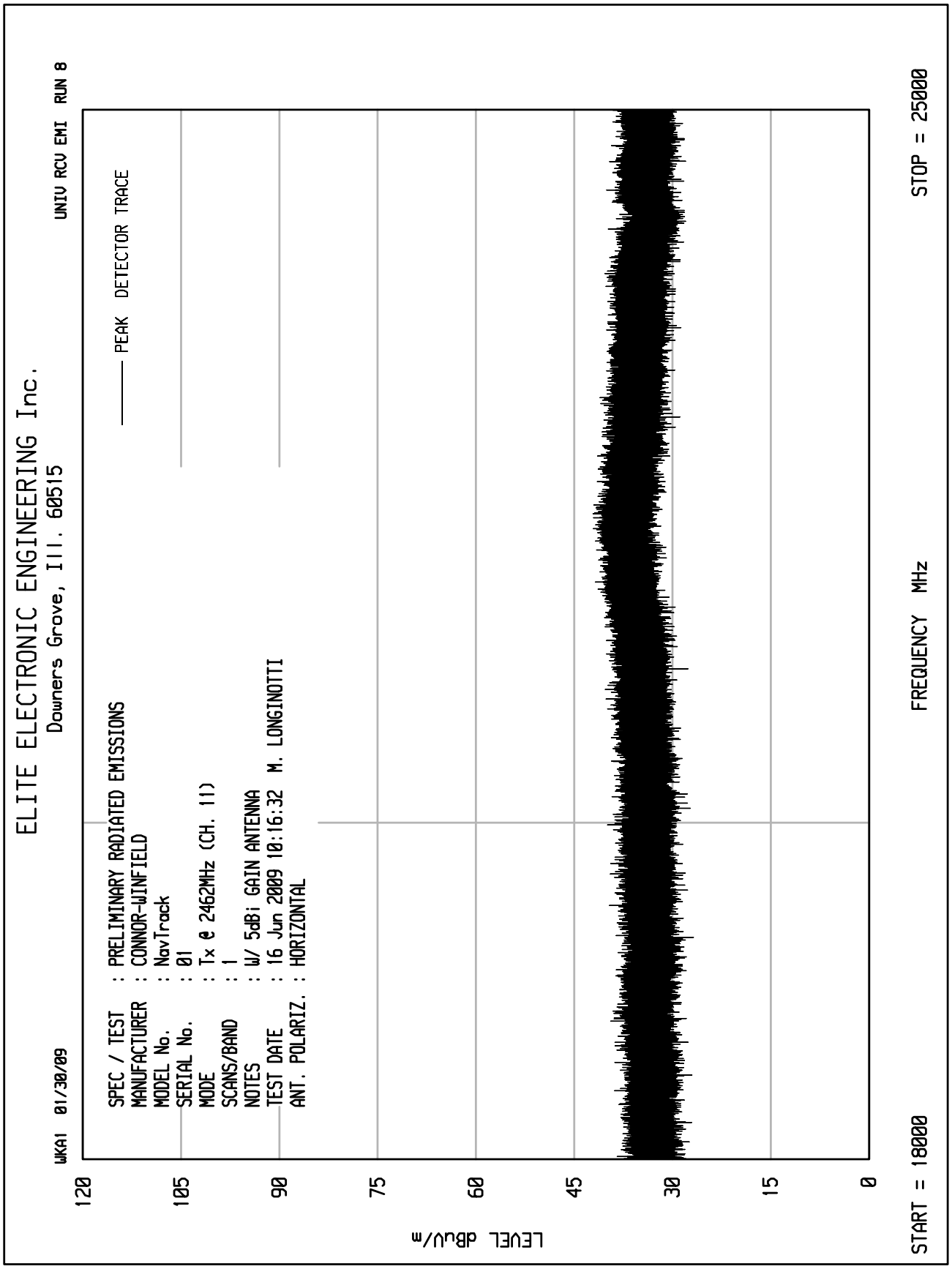

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 19
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2462MHz (CH. 11)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 15 Jun 2009 14:59:18 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 30
100
1000
STOP = 2000
FREQUENCY MHz

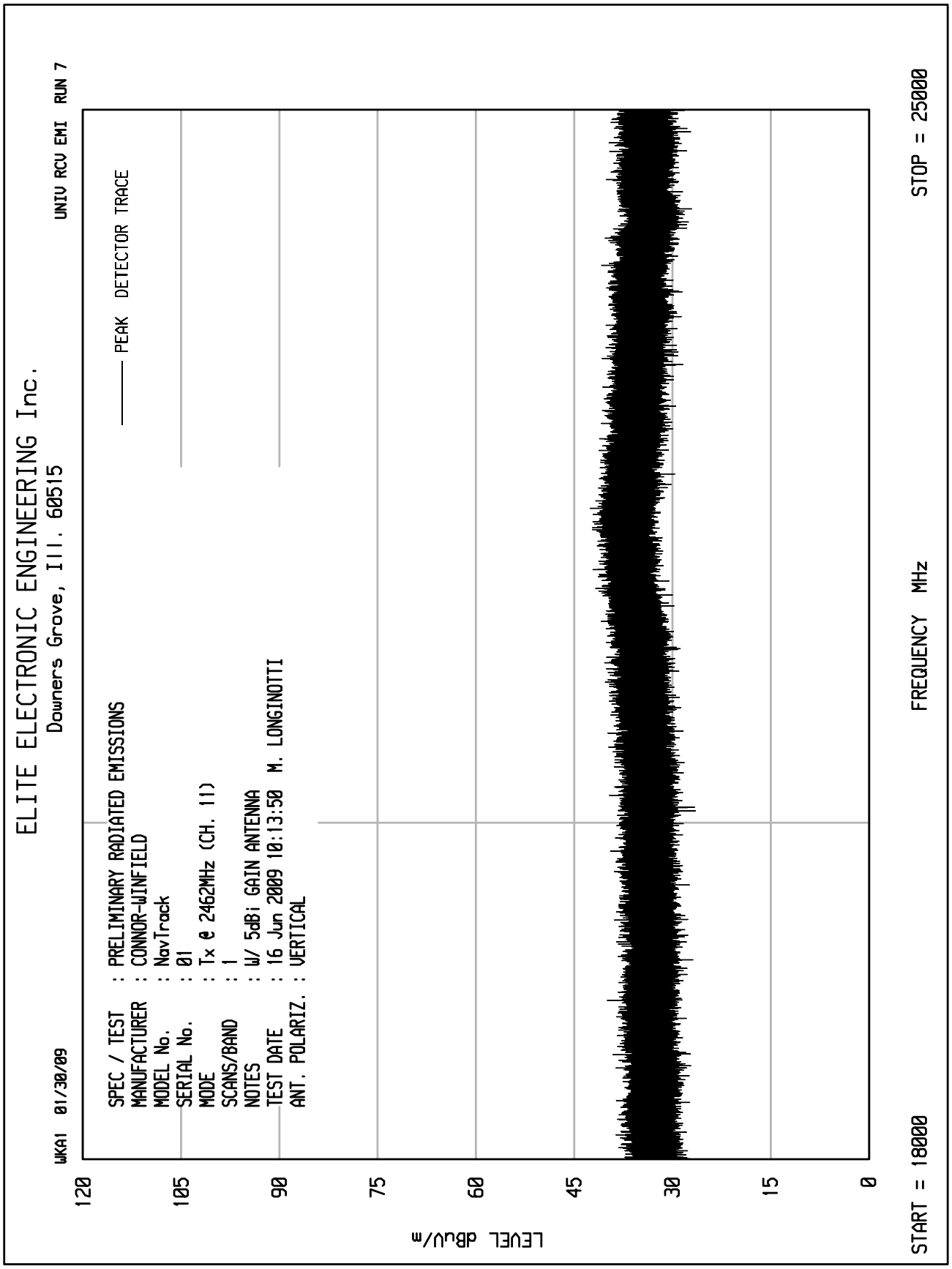

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 4
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2462MHz (CH. 11)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 15 Jun 2009 11:08:42 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 2000
FREQUENCY MHz
STOP = 4000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 3
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2462MHz (CH. 11)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 15 Jun 2009 11:06:47 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 2000
FREQUENCY MHz
STOP = 4000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 1
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2462MHz (CH. 11)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 15 Jun 2009 10:53:44 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 4000
10000
FREQUENCY MHz
STOP = 18000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 2
WKA1 01/30/09
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2462MHz (CH. 11)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 15 Jun 2009 11:01:35 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
Limit
PEAK DETECTOR TRACE
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 4000
10000
FREQUENCY MHz
STOP = 18000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 8
WKA1 01/30/09
PEAK DETECTOR TRACE
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2462MHz (CH. 11)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 16 Jun 2009 10:16:32 M. LONGINOTTI
ANT. POLARIZ. : HORIZONTAL
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 25000


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515
UNIV RCV EMI RUN 7
WKA1 01/30/09
PEAK DETECTOR TRACE
SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
MANUFACTURER : CONNOR-WINFIELD
MODEL No. : NavTrack
SERIAL No. : 01
MODE : Tx @ 2462MHz (CH. 11)
SCANS/BAND : 1
NOTES : W/ 5dBi GAIN ANTENNA
TEST DATE : 16 Jun 2009 10:13:50 M. LONGINOTTI
ANT. POLARIZ. : VERTICAL
LEVEL dBuV/m
120
105
90
75
60
45
30
15
0
START = 18000
FREQUENCY MHz
STOP = 25000

Manufacturer : Conner-Winfield Corporation
Test Item : NavTrack
Model No. : CW85 V4
Serial No. : 01
Mode : Transmit at 2413MHz (Channel 1), 5dBi gain antenna
Test Specification : FCC 15.247
Date : June 15 and 16, 2009
Test Distance : 3 meters
Note : Peak readings

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Amb	CBL FAC (dB)	Ant Fac (dB)	Pre Amp (dB)	Total dBuV/m at 3 m	Total uV/m at 3m	Limit uV/m at 3m	Margin (dB)
4824.0	H	54.6		5.7	34.5	-37.3	57.6	755.5	5000.0	-16.4
4824.0	V	57.7		5.7	34.5	-37.3	60.7	1079.6	5000.0	-13.3
12060.0	H	47.0	Amb	9.8	41.4	-35.1	63.1	1433.2	5000.0	-10.9
12060.0	V	47.4	Amb	9.8	41.4	-35.1	63.5	1500.8	5000.0	-10.5
14472.0	H	47.1	Amb	10.9	43.8	-34.4	67.4	2353.2	5000.0	-6.5
14472.0	V	47.9	Amb	10.9	43.8	-34.4	68.2	2580.3	5000.0	-5.7
19296.0	H	36.8	Amb	2.2	40.4	-28.9	50.5	333.3	5000.0	-23.5
19296.0	V	35.5	Amb	2.2	40.4	-28.9	49.2	287.0	5000.0	-24.8

Amb = Ambient

Total (dBuV/m) = Meter Reading + CBL FAC + Ant Fac + Pre Amp

Checked By: MARK E. LONGINOTTI

Mark E. Longinotti

Manufacturer : Conner-Winfield Corporation
Test Item : NavTrack
Model No. : CW85 V4
Serial No. : 01
Mode : Transmit at 2413MHz (Channel 1), 5dBi gain antenna
Test Specification : FCC 15.247
Date : June 15 and 16, 2009
Test Distance : 3 meters
Note : Average readings

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Amb	CBL FAC (dB)	Ant Fac (dB)	Pre Amp (dB)	Duty Cycle (dB)	Total dBuV/m at 3 m	Total uV/m at 3m	Limit uV/m at 3m	Margin (dB)
4824.0	H	51.1		5.7	34.5	-37.3	-45.3	8.8	2.7	500.0	-45.2
4824.0	V	55.1		5.7	34.5	-37.3	-45.3	12.8	4.3	500.0	-41.2
12060.0	H	33.6	Amb	9.8	41.4	-35.1	-45.3	4.4	1.7	500.0	-49.6
12060.0	V	33.5	Amb	9.8	41.4	-35.1	-45.3	4.3	1.6	500.0	-49.7
14472.0	H	33.8	Amb	10.9	43.8	-34.4	-45.3	8.8	2.8	500.0	-45.1
14472.0	V	34.1	Amb	10.9	43.8	-34.4	-45.3	9.1	2.9	500.0	-44.8
19296.0	H	24.4	Amb	2.2	40.4	-28.9	-45.3	-7.2	0.4	500.0	-61.2
19296.0	V	24.9	Amb	2.2	40.4	-28.9	-45.3	-6.7	0.5	500.0	-60.7

Amb = Ambient

Total (dBuV/m) = Meter Reading + CBL FAC + Ant Fac + Pre Amp + Duty Cycle

Checked By: MARK E. LONGINOTTI

Mark E. Longinotti

Manufacturer : Conner-Winfield Corporation
Test Item : NavTrack
Model No. : CW85 V4
Serial No. : 01
Mode : Transmit at 2438MHz (Channel 6), 5dBi gain antenna
Test Specification : FCC 15.247
Date : June 15 and 16, 2009
Test Distance : 3 meters
Note : Peak readings

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Amb	CBL FAC (dB)	Ant Fac (dB)	Pre Amp (dB)	Total dBuV/m at 3 m	Total uV/m at 3m	Limit uV/m at 3m	Margin (dB)
4874.0	H	56.5		5.7	34.5	-37.3	59.5	943.2	5000.0	-14.5
4874.0	V	56.9		5.7	34.5	-37.3	59.9	987.6	5000.0	-14.1
7311.0	H	50.4		7.7	38.1	-35.9	60.2	1026.8	5000.0	-13.7
7311.0	V	50.9		7.7	38.1	-35.9	60.7	1087.6	5000.0	-13.2
12185.0	H	47.5	Amb	9.9	41.4	-35.0	63.7	1525.6	5000.0	-10.3
12185.0	V	46.5	Amb	9.9	41.4	-35.0	62.7	1359.7	5000.0	-11.3
19496.0	H	35.4	Amb	2.2	40.4	-28.7	49.3	292.5	5000.0	-24.7
19496.0	V	36.4	Amb	2.2	40.4	-28.7	50.3	328.2	5000.0	-23.7

Amb = Ambient

Total (dBuV/m) = Meter Reading + CBL FAC + Ant Fac + Pre Amp

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti

Manufacturer : Conner-Winfield Corporation
Test Item : NavTrack
Model No. : CW85 V4
Serial No. : 01
Mode : Transmit at 2438MHz (Channel 6), 5dBi gain antenna
Test Specification : FCC 15.247
Date : June 15 and 16, 2009
Test Distance : 3 meters
Note : Average readings

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Amb	CBL FAC (dB)	Ant Fac (dB)	Pre Amp (dB)	Duty Cycle (dB)	Total dBuV/m at 3 m	Total uV/m at 3m	Limit uV/m at 3m	Margin (dB)
4824.0	H	53.0		5.7	34.5	-37.3	-45.3	10.7	3.4	500.0	-43.3
4824.0	V	54.7		5.7	34.5	-37.3	-45.3	12.4	4.2	500.0	-41.6
7236.0	H	41.3		7.7	38.1	-35.9	-45.3	5.8	2.0	500.0	-48.1
7236.0	V	42.0		7.7	38.1	-35.9	-45.3	6.5	2.1	500.0	-47.4
12060.0	H	34.0	Amb	9.9	41.4	-35.0	-45.3	4.9	1.8	500.0	-49.1
12060.0	V	34.2	Amb	9.9	41.4	-35.0	-45.3	5.1	1.8	500.0	-48.9
19296.0	H	24.7	Amb	2.2	40.4	-28.7	-45.3	-6.7	0.5	500.0	-60.7
19296.0	V	27.5	Amb	2.2	40.4	-28.7	-45.3	-3.9	0.6	500.0	-57.9

Amb = Ambient

Total (dBuV/m) = Meter Reading + CBL FAC + Ant Fac + Pre Amp + Duty Cycle

Checked By: MARK E. LONGINOTTI

Mark E. Longinotti

Manufacturer : Conner-Winfield Corporation
Test Item : NavTrack
Model No. : CW85 V4
Serial No. : 01
Mode : Transmit at 2462MHz (Channel 11), 5dBi gain antenna
Test Specification : FCC 15.247
Date : June 15 and 16, 2009
Test Distance : 3 meters
Note : Peak readings

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Amb	CBL FAC (dB)	Ant Fac (dB)	Pre Amp (dB)	Total dBuV/m at 3 m	Total uV/m at 3m	Limit uV/m at 3m	Margin (dB)
4924.0	H	56.4		5.8	34.5	-37.3	59.4	935.2	5000.0	-14.6
4924.0	V	59.6		5.8	34.5	-37.3	62.6	1351.7	5000.0	-11.4
7386.0	H	46.4		7.7	38.1	-35.9	56.3	651.6	5000.0	-17.7
7386.0	V	49.1		7.7	38.1	-35.9	59.0	889.1	5000.0	-15.0
12310.0	H	45.2	Amb	9.9	41.4	-35.0	61.4	1176.4	5000.0	-12.6
12310.0	V	45.2	Amb	9.9	41.4	-35.0	61.4	1176.4	5000.0	-12.6
19696.0	H	36.5	Amb	2.2	40.4	-28.6	50.5	336.6	5000.0	-23.4
19696.0	V	35.1	Amb	2.2	40.4	-28.6	49.1	286.5	5000.0	-24.8
22158.0	H	38.2	Amb	2.2	40.6	-27.5	53.4	470.1	5000.0	-20.5
22158.0	V	37.1	Amb	2.2	40.6	-27.5	52.3	414.1	5000.0	-21.6

Amb = Ambient

Total (dBuV/m) = Meter Reading + CBL FAC + Ant Fac + Pre Amp

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti

Manufacturer : Conner-Winfield Corporation
Test Item : NavTrack
Model No. : CW85 V4
Serial No. : 01
Mode : Transmit at 2462MHz (Channel 11), 5dBi gain antenna
Test Specification : FCC 15.247
Date : June 15 and 16, 2009
Test Distance : 3 meters
Note : Average readings

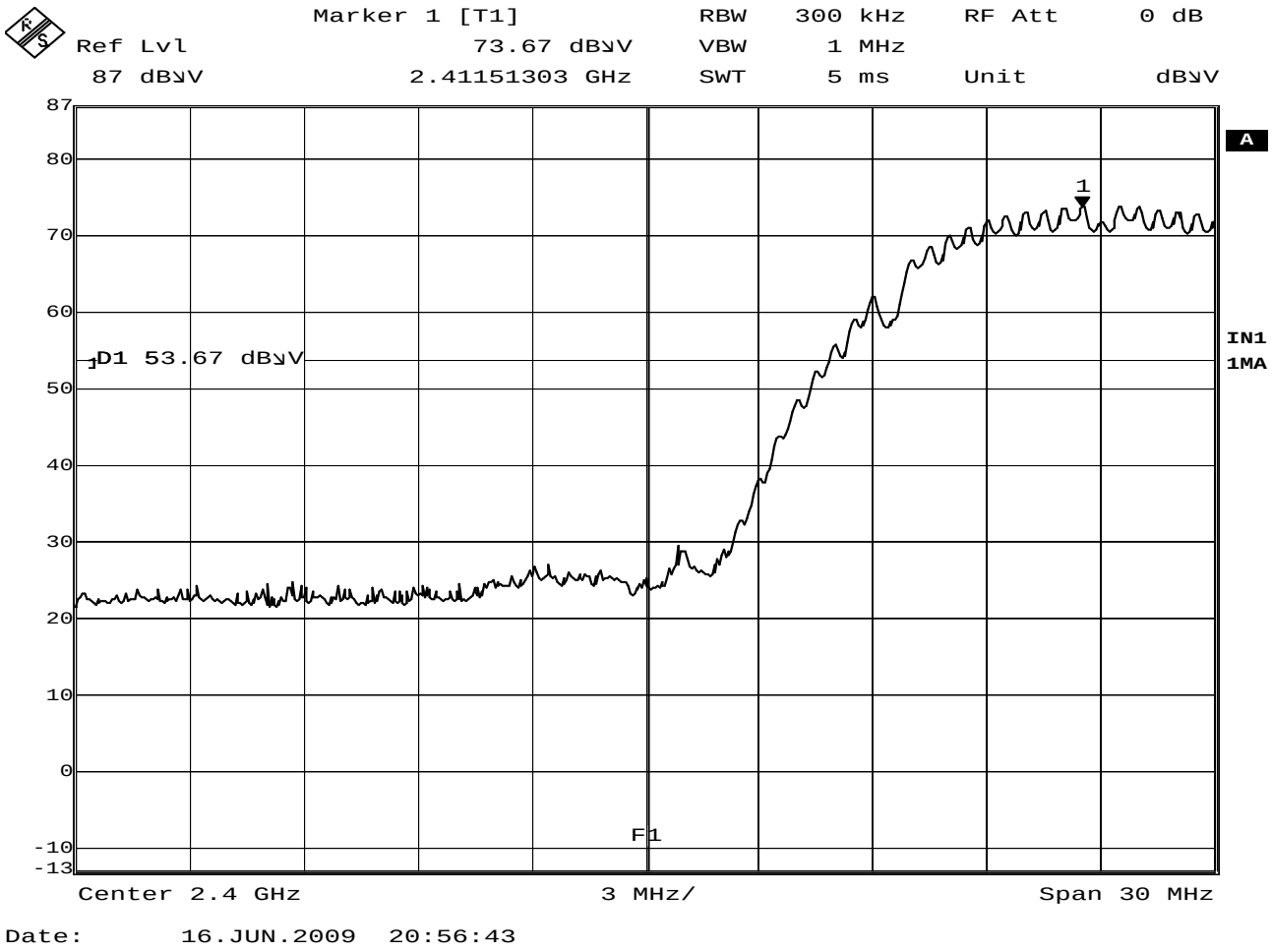
Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Amb	CBL FAC (dB)	Ant Fac (dB)	Pre Amp (dB)	Duty Cycle (dB)	Total dBuV/m at 3 m	Total uV/m at 3m	Limit uV/m at 3m	Margin (dB)
4924.0	H	53.9		5.8	34.5	-37.3	-45.3	11.6	3.8	500.0	-42.4
4924.0	V	57.4		5.8	34.5	-37.3	-45.3	15.1	5.7	500.0	-38.9
7386.0	H	38.6		7.7	38.1	-35.9	-45.3	3.2	1.4	500.0	-50.8
7386.0	V	39.3		7.7	38.1	-35.9	-45.3	3.9	1.6	500.0	-50.1
12310.0	H	33.7	Amb	9.9	41.4	-35.0	-45.3	4.6	1.7	500.0	-49.4
12310.0	V	33.9	Amb	9.9	41.4	-35.0	-45.3	4.8	1.7	500.0	-49.2
19696.0	H	26.2	Amb	2.2	40.4	-28.6	-45.3	-5.1	0.6	500.0	-59.0
19696.0	V	26.7	Amb	2.2	40.4	-28.6	-45.3	-4.6	0.6	500.0	-58.5
22158.0	H	25.0	Amb	2.2	40.6	-27.5	-45.3	-5.1	0.6	500.0	-59.0
22158.0	V	24.7	Amb	2.2	40.6	-27.5	-45.3	-5.4	0.5	500.0	-59.3

Amb = Ambient

Total (dBuV/m) = Meter Reading + CBL FAC + Ant Fac + Pre Amp + Duty Cycle

Checked By: MARK E. LONGINOTTI

Mark E. Longinotti



FCC 15.247 Spurious RF Conducted Emissions

MANUFACTURER	: Connor-Winfield Corporation
PART NUMBER	: NavTrack
SERIAL NUMBER	: 01
TEST MODE	: Transmit @ 2413MHz (Ch. 1)
TEST PARAMETER	: Display line F1 represents the band edge
	: (2400MHz). At the band edge, the readings must
	: be 20dB down from the fundamental using a
	: resolution bandwidth that is at least 1% of the
	: span (1% of 30MHz is 300kHz). Display line D1
	: represents the 20dB down level.
NOTES	: Measurements taken at the antenna port
EQUIPMENT USED	: RBB0,T2D7, T2DI

Manufacturer : Conner-Winfield Corporation
Test Item : NavTrack
Model No. : CW85 V4
Serial No. : 01
Mode : Transmit at 2462MHz (Channel 11), 5dBi gain antenna
Test Specification : FCC 15.247, radiated emissions at band edge (2483.5MHz)
Date : June 15, 2009
Test Distance : 3 meters
Note : Peak readings

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Amb	CBL FAC (dB)	Ant Fac (dB)	Pre Amp (dB)	Total dBuV/m at 3 m	Total uV/m at 3m	Limit uV/m at 3m	Margin (dB)
2483.5	H	19.6		3.8	31.4	0.0	54.8	552.0	5000.0	-19.1
2483.5	V	14.8		3.8	31.4	0.0	50.0	317.7	5000.0	-23.9

Amb = Ambient

Total (dBuV/m) = Meter Reading + CBL FAC + Ant Fac + Pre Amp

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti

Manufacturer : Conner-Winfield Corporation
Test Item : NavTrack
Model No. : CW85 V4
Serial No. : 01
Mode : Transmit at 2462MHz (Channel 11), 5dBi gain antenna
Test Specification : FCC 15.247, radiated emissions at band edge (2483.5MHz)
Date : June 15, 2009
Test Distance : 3 meters
Note : Average readings

Freq (MHz)	Ant Pol	Meter Reading (dBuV)	Amb	CBL FAC (dB)	Ant Fac (dB)	Pre Amp (dB)	Duty Cycle (dB)	Total dBuV/m at 3 m	Total uV/m at 3m	Limit uV/m at 3m	Margin (dB)
2483.5	H	12.4		3.8	31.4	0.0	-45.3	2.3	1.3	500.0	-51.7
2483.5	V	8.2		3.8	31.4	0.0	-45.3	-1.9	0.8	500.0	-53.2

Amb = Ambient

Total (dBuV/m) = Meter Reading + CBL FAC + Ant Fac + Pre Amp + Duty Cycle

Checked By: MARK E. LONGINOTTI

Mark E. Longinotti