



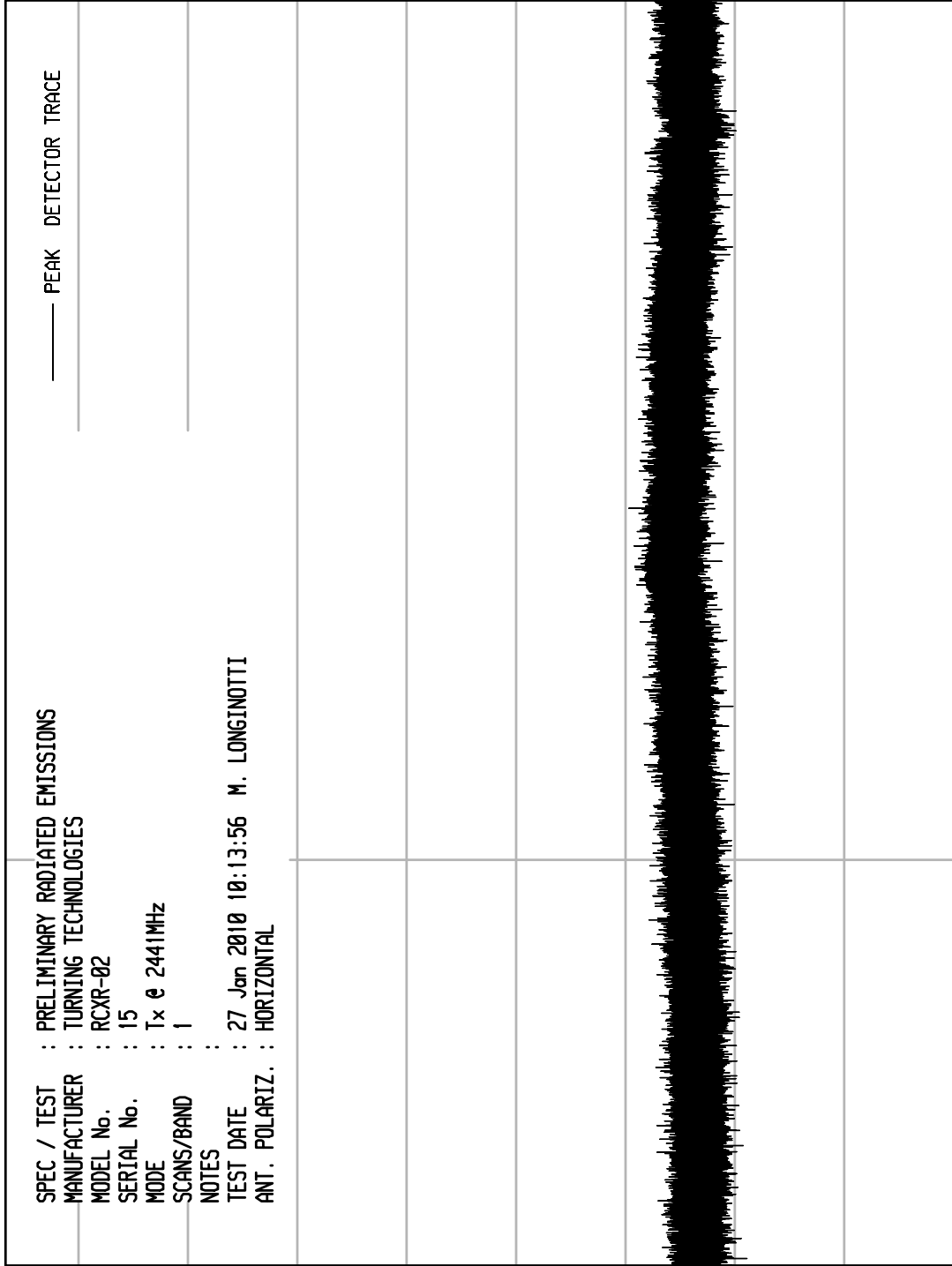
ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNIU RCU EMI RUN 9

WKA1 01/30/09

SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
 MANUFACTURER : TURNING TECHNOLOGIES
 MODEL No. : RCXR-02
 SERIAL No. : 15
 MODE : Tx @ 2441MHz
 SCANS/BAND : 1
 NOTES :
 TEST DATE : 27 Jan 2010 10:13:56 M. LONGINOTTI
 ANT. POLARIZ. : HORIZONTAL

— PEAK DETECTOR TRACE



START = 18000

FREQUENCY MHz

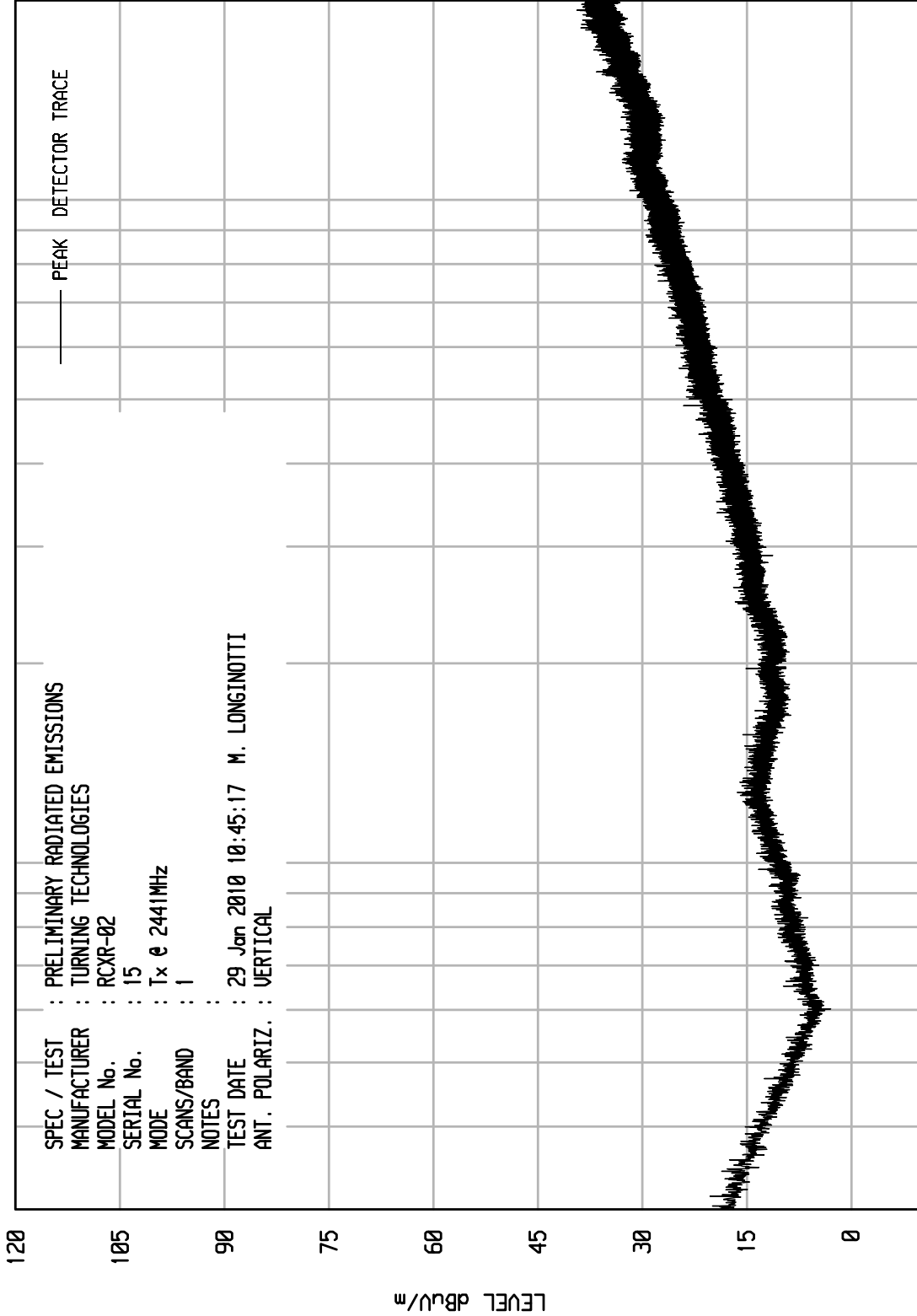
STOP = 25000

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNIU RCU EMI RUN 9

WKA1 01/30/09

SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
 MANUFACTURER : TURNING TECHNOLOGIES
 MODEL No. : RCXR-02
 SERIAL No. : 15
 MODE : Tx @ 2441MHz
 SCANS/BAND : 1
 NOTES :
 TEST DATE : 29 Jan 2010 10:45:17 M. LONGINOTTI
 ANT. POLARIZ. : VERTICAL



START = 30

100

1000

FREQUENCY MHz

STOP = 2000

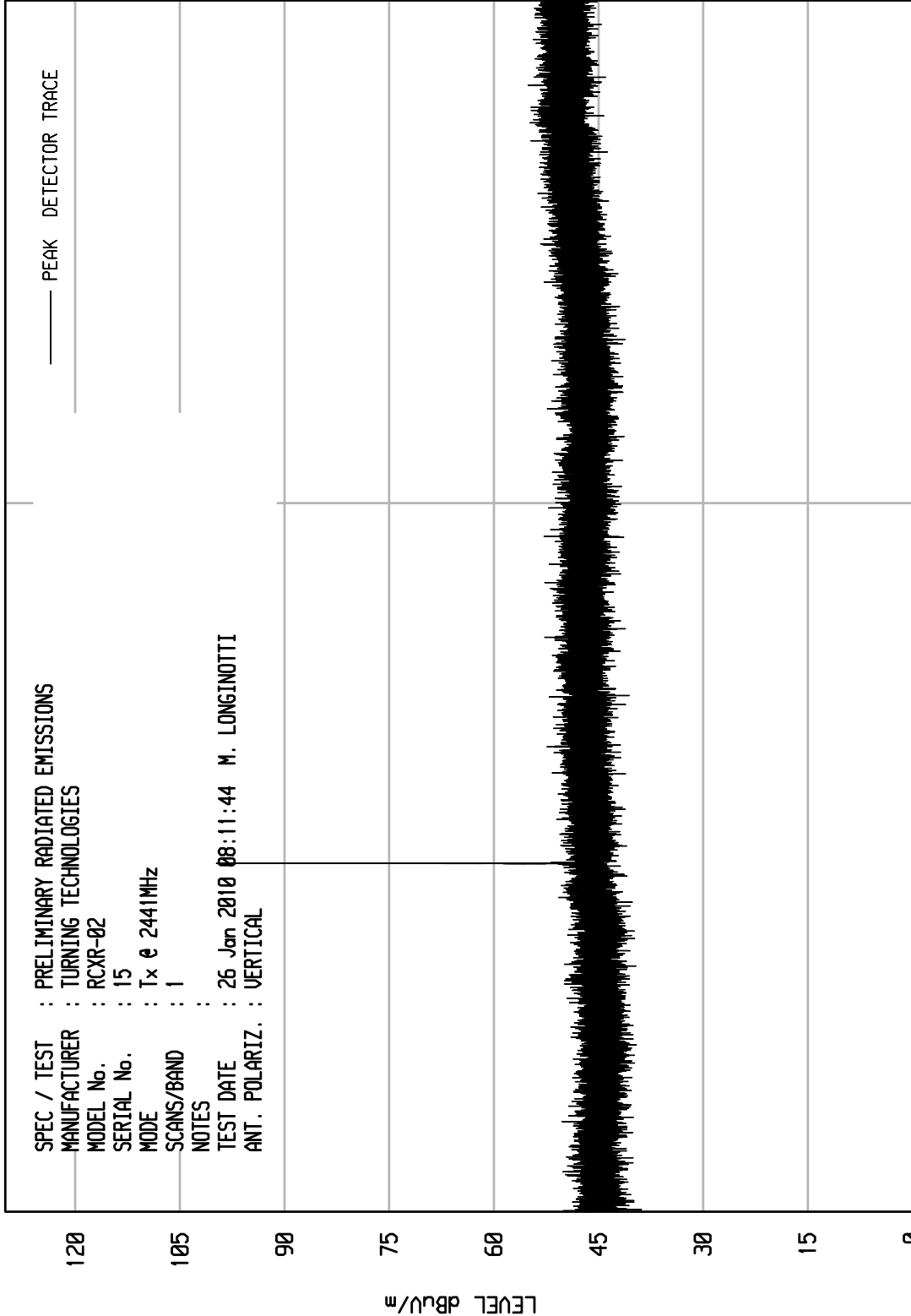
ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNIU RCU EMI RUN 3

WKA1 01/30/09

SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
 MANUFACTURER : TURNING TECHNOLOGIES
 MODEL No. : RCXR-02
 SERIAL No. : 15
 MODE : Tx @ 2441MHz
 SCANS/BAND : 1
 NOTES :
 TEST DATE : 26 Jan 2010 08:11:44 M. LONGINOTTI
 ANT. POLARIZ. : VERTICAL

— PEAK DETECTOR TRACE



START = 2000

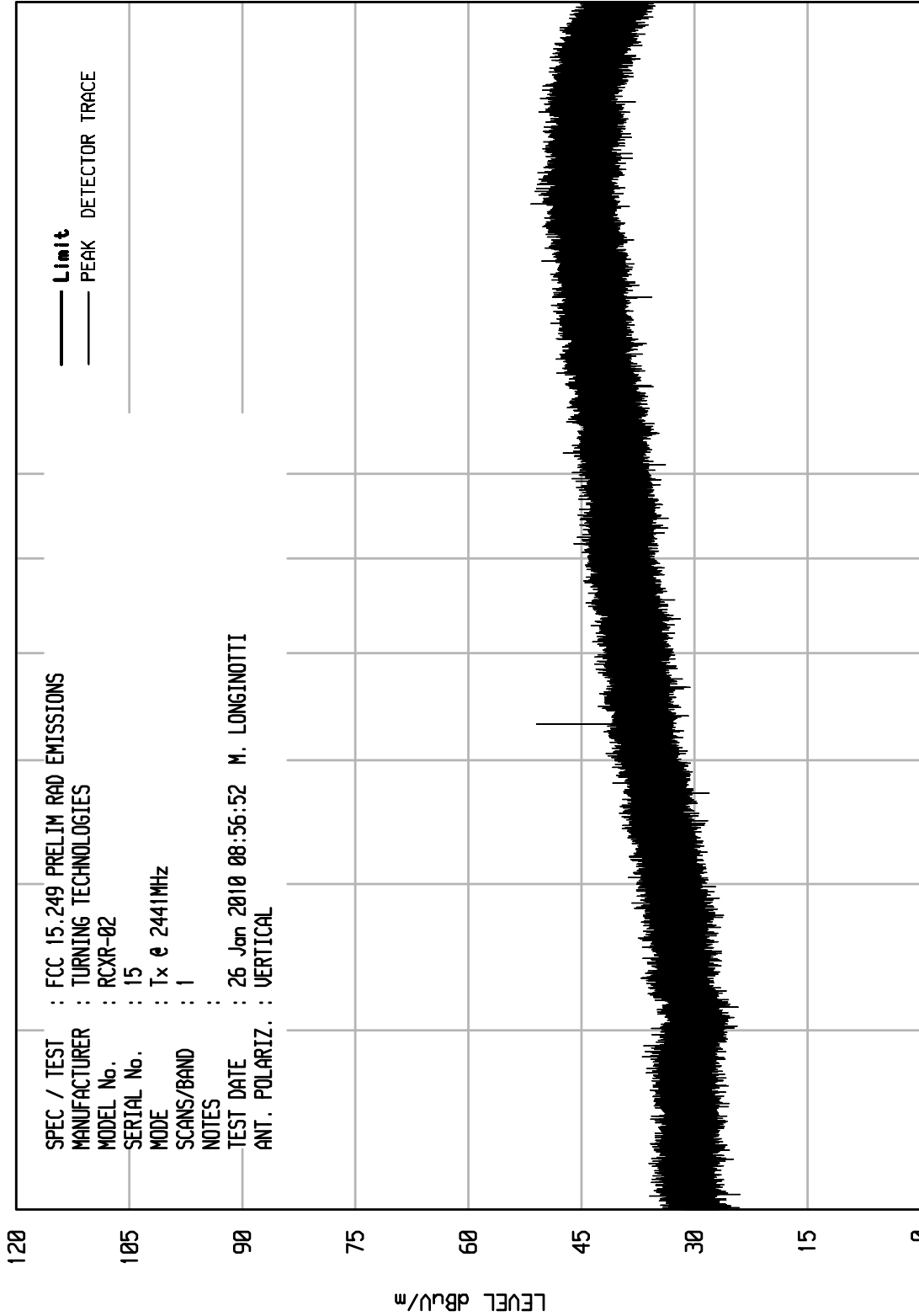
FREQUENCY MHz

STOP = 4000

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNIU RCU EMI RUN 14

WKAI 01/30/09



START = 4000

10000

FREQUENCY MHz

STOP = 18000



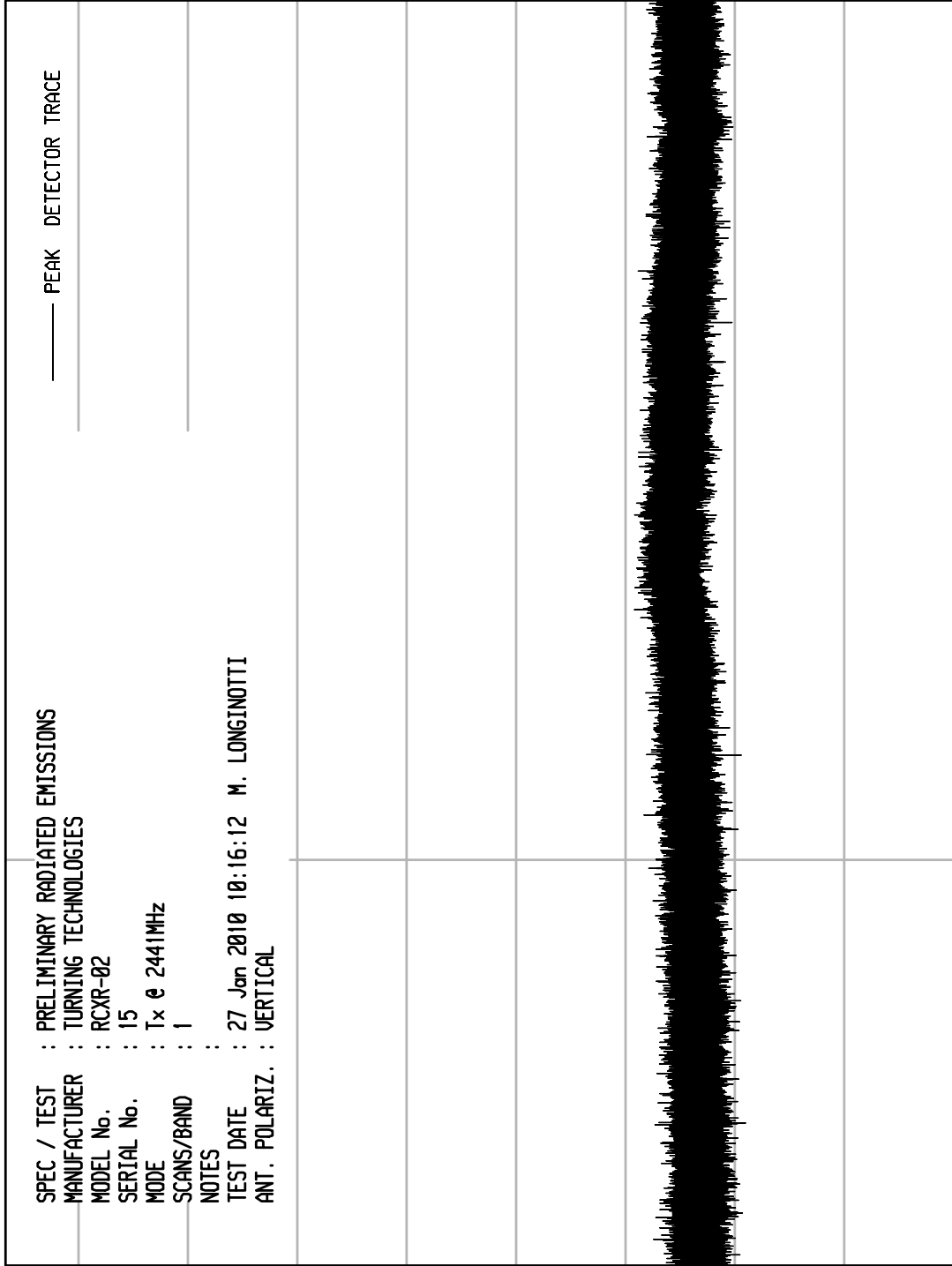
ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNIU RCU EMI RUN 10

WKA1 01/30/09

SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
 MANUFACTURER : TURNING TECHNOLOGIES
 MODEL No. : RCXR-02
 SERIAL No. : 15
 MODE : Tx @ 2441MHz
 SCANS/BAND : 1
 NOTES :
 TEST DATE : 27 Jan 2010 10:16:12 M. LONGINOTTI
 ANT. POLARIZ. : VERTICAL

— PEAK DETECTOR TRACE



START = 18000

FREQUENCY MHz

STOP = 25000



Manufacturer : Turning Technologies
 Model No. : Transceiver RCXR-02
 Serial No. : 15
 Mode : Transmit at 2441MHz, large data packets
 Test Specification : FCC 15.249 and Industry Canada RSS-210 Annex 2, section A2.9
 Date : January 25, 2010 through January 27, 2010
 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)
2441.00	H	67.5		3.8	31.5	0.0	102.8	138358.0	500000.0	-11.2
2441.00	V	62.7		3.8	31.5	0.0	98.0	79616.7	500000.0	-16.0
4882.00	H	45.3	Amb	5.8	34.8	-35.9	50.0	316.1	5000.0	-24.0
4882.00	V	45.2	Amb	5.8	34.8	-35.9	49.9	312.5	5000.0	-24.1
7323.00	H	53.8	Amb	7.7	38.1	-35.5	64.1	1604.3	5000.0	-9.9
7323.00	V	59.4	Amb	7.7	38.1	-35.5	69.7	3057.0	5000.0	-4.3
9764.00	H	44.3	Amb	8.6	39.9	-35.0	57.7	769.6	5000.0	-16.3
9764.00	V	43.6	Amb	8.6	39.9	-35.0	57.0	710.0	5000.0	-17.0
12205.00	H	45.1	Amb	9.9	41.3	-34.4	61.9	1249.0	5000.0	-12.0
12205.00	V	44.4	Amb	9.9	41.3	-34.4	61.2	1152.3	5000.0	-12.7
14646.00	H	43.1	Amb	11.0	42.4	-34.0	62.5	1336.4	5000.0	-11.5
14646.00	V	42.9	Amb	11.0	42.4	-34.0	62.3	1306.0	5000.0	-11.7
17087.00	H	41.4	Amb	11.7	40.7	-33.9	60.0	997.8	5000.0	-14.0
17087.00	V	41.6	Amb	11.7	40.7	-33.9	60.2	1021.0	5000.0	-13.8
19528.00	H	35.7	Amb	2.2	40.4	-27.2	51.1	360.5	5000.0	-22.8
19528.00	V	35.5	Amb	2.2	40.4	-27.2	50.9	352.3	5000.0	-23.0
21969.00	H	38.1	Amb	2.2	40.6	-27.2	53.7	485.8	5000.0	-20.2
21969.00	V	37.1	Amb	2.2	40.6	-27.2	52.7	433.0	5000.0	-21.2
24410.00	H	36.2	Amb	2.2	40.6	-27.2	51.9	392.2	5000.0	-22.1
24410.00	V	36.6	Amb	2.2	40.6	-27.2	52.3	410.7	5000.0	-21.7

Amb = Ambient

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

Checked By: MARK E. LONGINOTTI
 Mark E. Longinotti



Manufacturer : Turning Technologies
 Model No. : Transceiver RCXR-02
 Serial No. : 15
 Mode : Transmit at 2441MHz, large data packets
 Test Specification : FCC 15.249 and Industry Canada RSS-210 Annex 2, section A2.9
 Date : January 25, 2010 through January 27, 2010
 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)
2441.0	H	67.5		3.8	31.5	0.0	-29.6	73.2	4581.5	50000.0	-20.8
2441.0	V	62.7		3.8	31.5	0.0	-29.6	68.4	2636.4	50000.0	-25.6
4882.0	H	45.3	Amb	5.8	34.8	-35.9	-29.6	20.4	10.5	500.0	-33.6
4882.0	V	45.2	Amb	5.8	34.8	-35.9	-29.6	20.3	10.3	500.0	-33.7
7323.0	H	53.8		7.7	38.1	-35.5	-29.6	34.5	53.1	500.0	-19.5
7323.0	V	59.4		7.7	38.1	-35.5	-29.6	40.1	101.2	500.0	-13.9
9764.0	H	44.3	Amb	8.6	39.9	-35.0	-29.6	28.1	25.5	500.0	-25.9
9764.0	V	43.6	Amb	8.6	39.9	-35.0	-29.6	27.4	23.5	500.0	-26.6
12205.0	H	45.1	Amb	9.9	41.3	-34.4	-29.6	32.3	41.4	500.0	-21.6
12205.0	V	44.4	Amb	9.9	41.3	-34.4	-29.6	31.6	38.2	500.0	-22.3
14646.0	H	43.1	Amb	11.0	42.4	-34.0	-29.6	32.9	44.3	500.0	-21.1
14646.0	V	42.9	Amb	11.0	42.4	-34.0	-29.6	32.7	43.2	500.0	-21.3
17087.0	H	41.4	Amb	11.7	40.7	-33.9	-29.6	30.4	33.0	500.0	-23.6
17087.0	V	41.6	Amb	11.7	40.7	-33.9	-29.6	30.6	33.8	500.0	-23.4
19528.0	H	35.7	Amb	2.2	40.4	-27.2	-29.6	21.5	11.9	500.0	-32.4
19528.0	V	35.5	Amb	2.2	40.4	-27.2	-29.6	21.3	11.7	500.0	-32.6
21969.0	H	38.1	Amb	2.2	40.6	-27.2	-29.6	24.1	16.1	500.0	-29.8
21969.0	V	37.1	Amb	2.2	40.6	-27.2	-29.6	23.1	14.3	500.0	-30.8
24410.0	H	36.2	Amb	2.2	40.6	-27.2	-29.6	22.3	13.0	500.0	-31.7
24410.0	V	36.6	Amb	2.2	40.6	-27.2	-29.6	22.7	13.6	500.0	-31.3

Amb = Ambient

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

Checked By: MARK E. LONGINOTTI
 Mark E. Longinotti

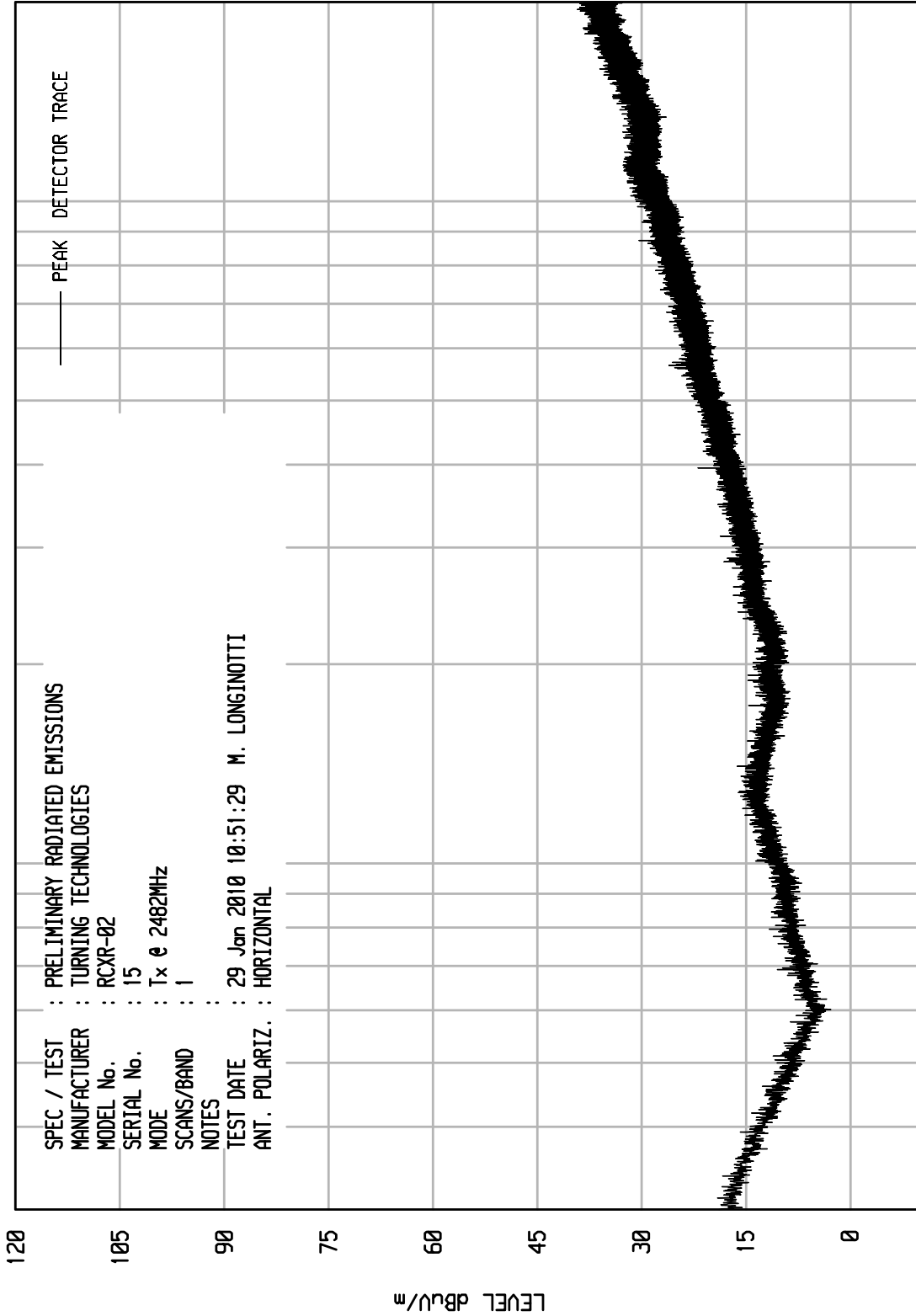


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNIU RCU EMI RUN 11

WKA1 01/30/09

SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
 MANUFACTURER : TURNING TECHNOLOGIES
 MODEL No. : RCXR-02
 SERIAL No. : 15
 MODE : Tx @ 2482MHz
 SCANS/BAND : 1
 NOTES :
 TEST DATE : 29 Jan 2010 10:51:29 M. LONGINOTTI
 ANT. POLARIZ. : HORIZONTAL



START = 30

100

FREQUENCY MHz

1000

STOP = 2000

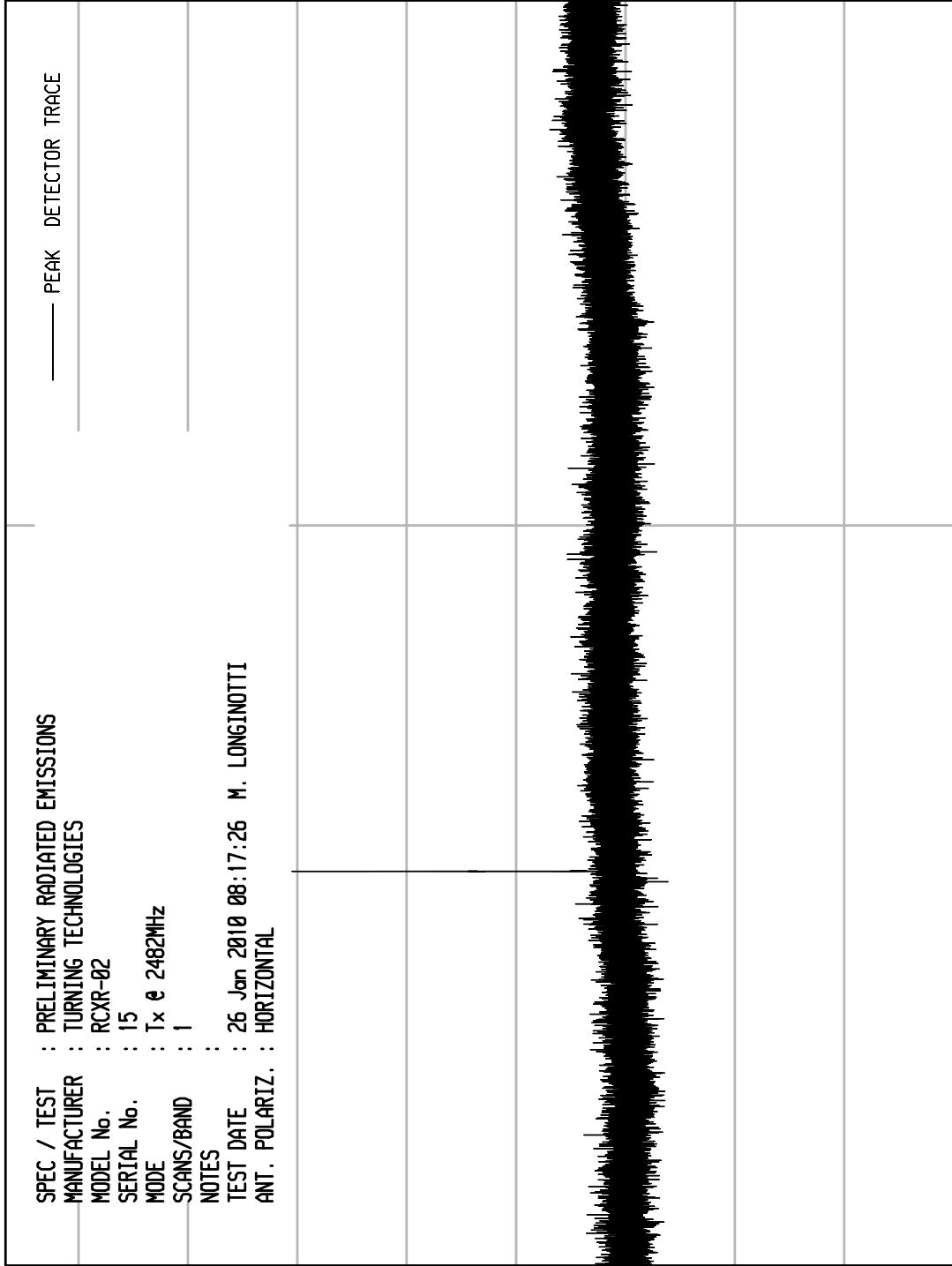
ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNIU RCU EMI RUN 6

WKA1 01/30/09

SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
 MANUFACTURER : TURNING TECHNOLOGIES
 MODEL No. : RCXR-02
 SERIAL No. : 15
 MODE : Tx @ 2482MHz
 SCANS/BAND : 1
 NOTES :
 TEST DATE : 26 Jan 2010 08:17:26 M. LONGINOTTI
 ANT. POLARIZ. : HORIZONTAL

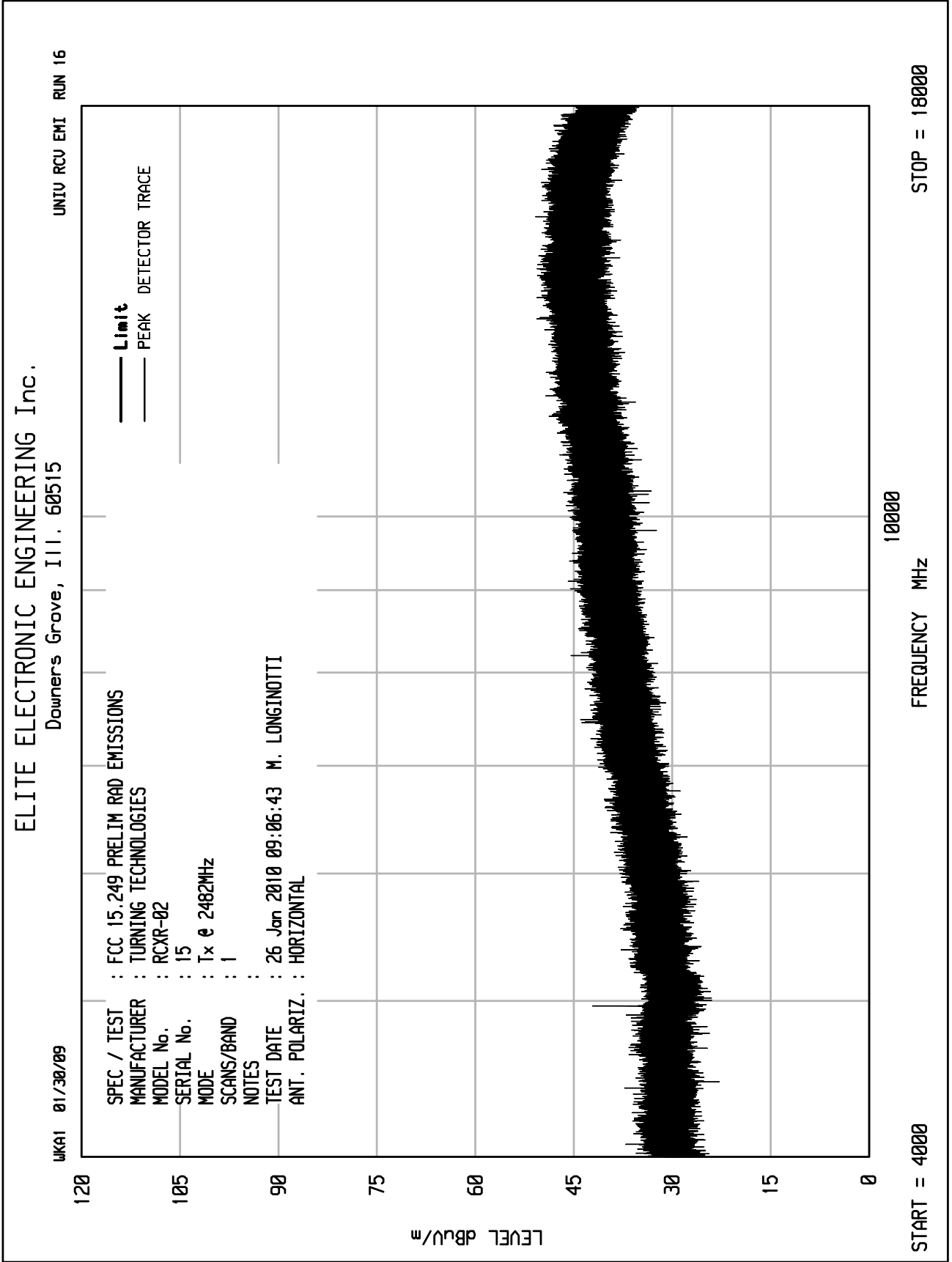
— PEAK DETECTOR TRACE



START = 2000

FREQUENCY MHz

STOP = 4000





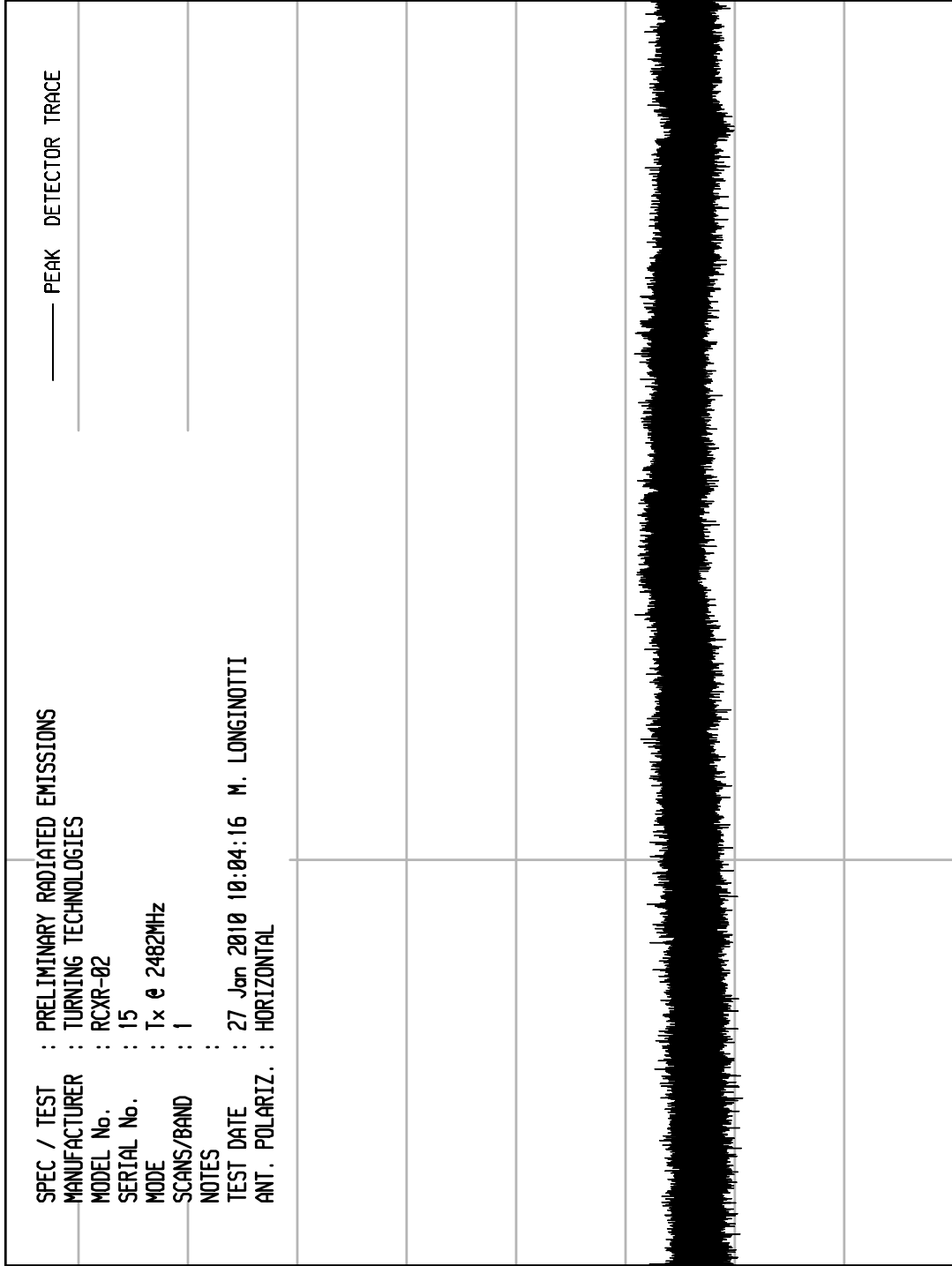
ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNIU RCU EMI RUN 5

WKA1 01/30/09

SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
 MANUFACTURER : TURNING TECHNOLOGIES
 MODEL No. : RCXR-02
 SERIAL No. : 15
 MODE : Tx @ 2482MHz
 SCANS/BAND : 1
 NOTES :
 TEST DATE : 27 Jan 2010 10:04:16 M. LONGINOTTI
 ANT. POLARIZ. : HORIZONTAL

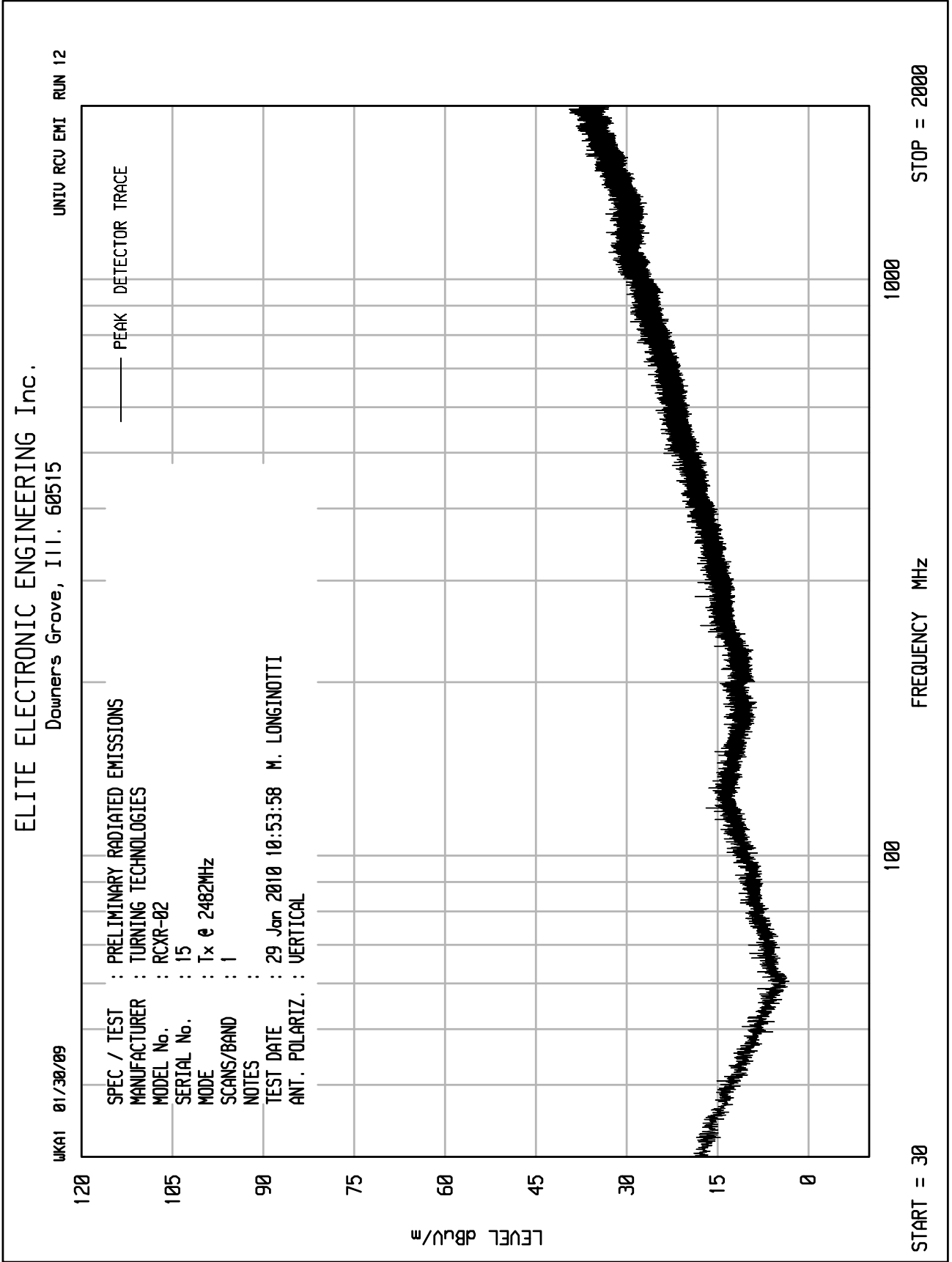
— PEAK DETECTOR TRACE



START = 18000

FREQUENCY MHz

STOP = 25000



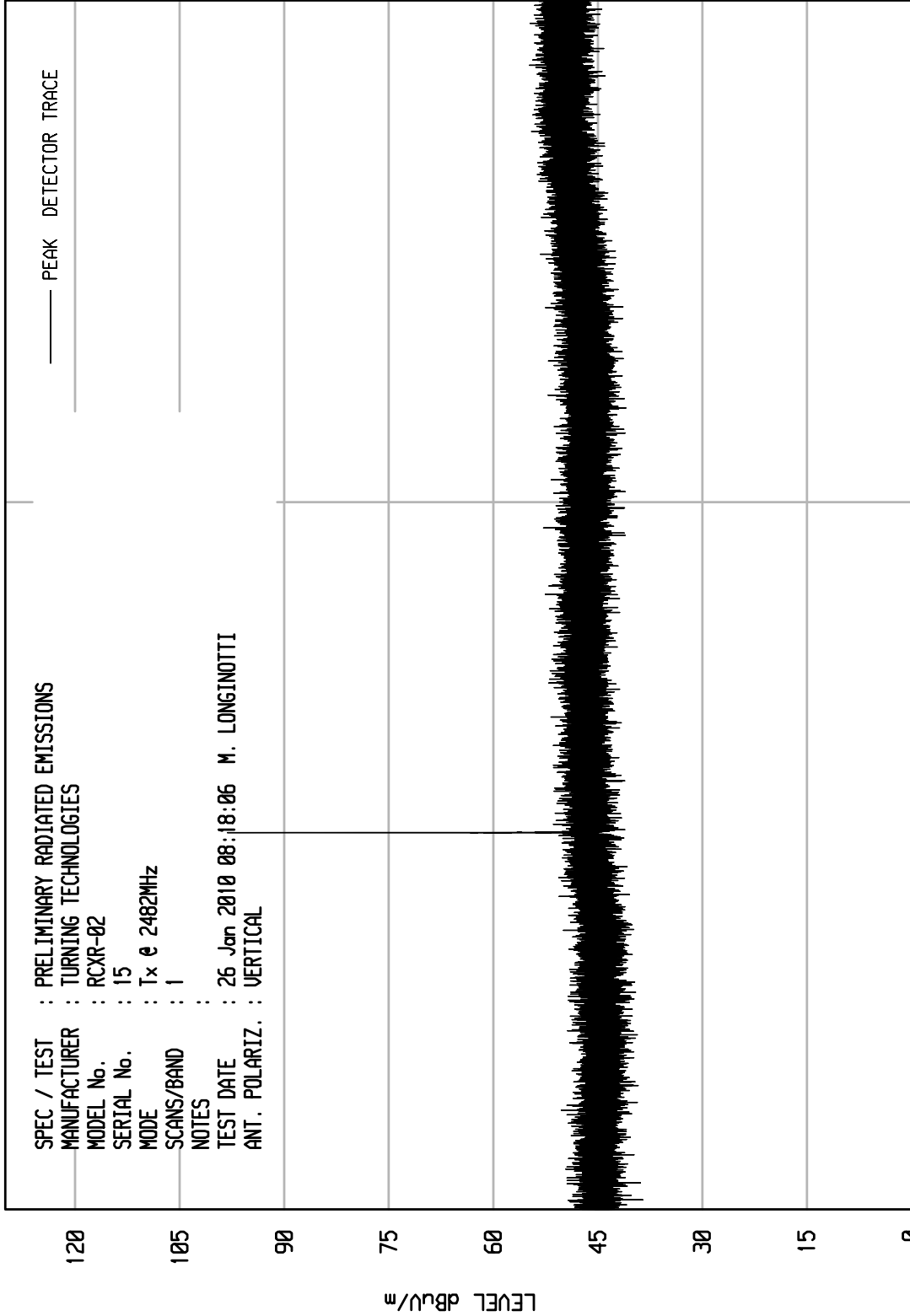
ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNIU RCU EMI RUN 7

WKA1 01/30/09

SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
 MANUFACTURER : TURNING TECHNOLOGIES
 MODEL No. : RCXR-02
 SERIAL No. : 15
 MODE : Tx @ 2482MHz
 SCANS/BAND : 1
 NOTES :
 TEST DATE : 26 Jan 2010 08:18:06 M. LONGINOTTI
 ANT. POLARIZ. : VERTICAL

— PEAK DETECTOR TRACE



START = 2000

FREQUENCY MHz

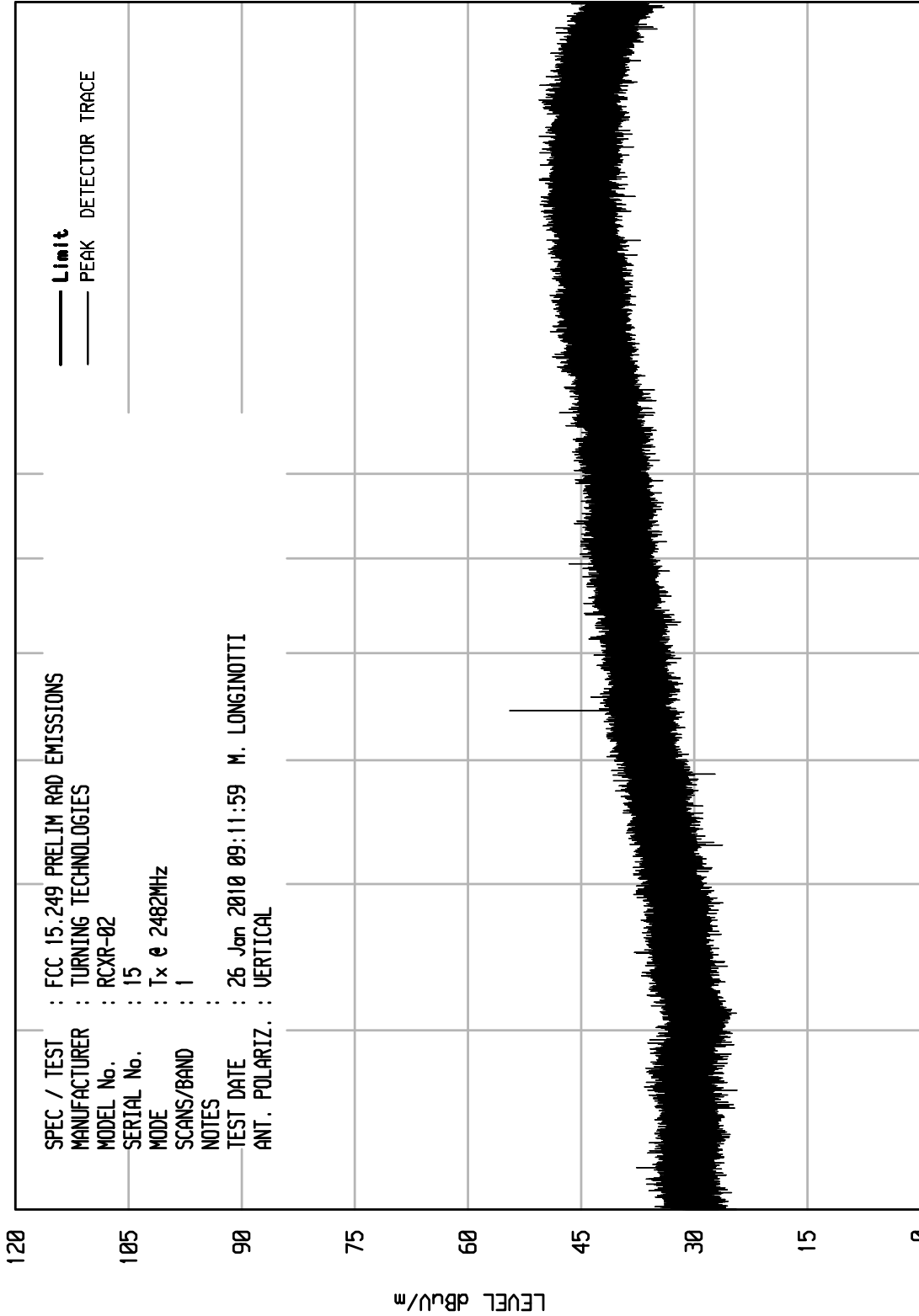
STOP = 4000

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNITV RCU EMI RUN 17

WKAI 01/30/09

SPEC / TEST : FCC 15.249 PRELIM RAD EMISSIONS
 MANUFACTURER : TURNING TECHNOLOGIES
 MODEL No. : RCXR-02
 SERIAL No. : 15
 MODE : Tx @ 2482MHz
 SCANS/BAND : 1
 NOTES :
 TEST DATE : 26 Jan 2010 09:11:59 M. LONGINOTTI
 ANT. POLARIZ. : VERTICAL



START = 4000

10000

FREQUENCY MHz

STOP = 18000



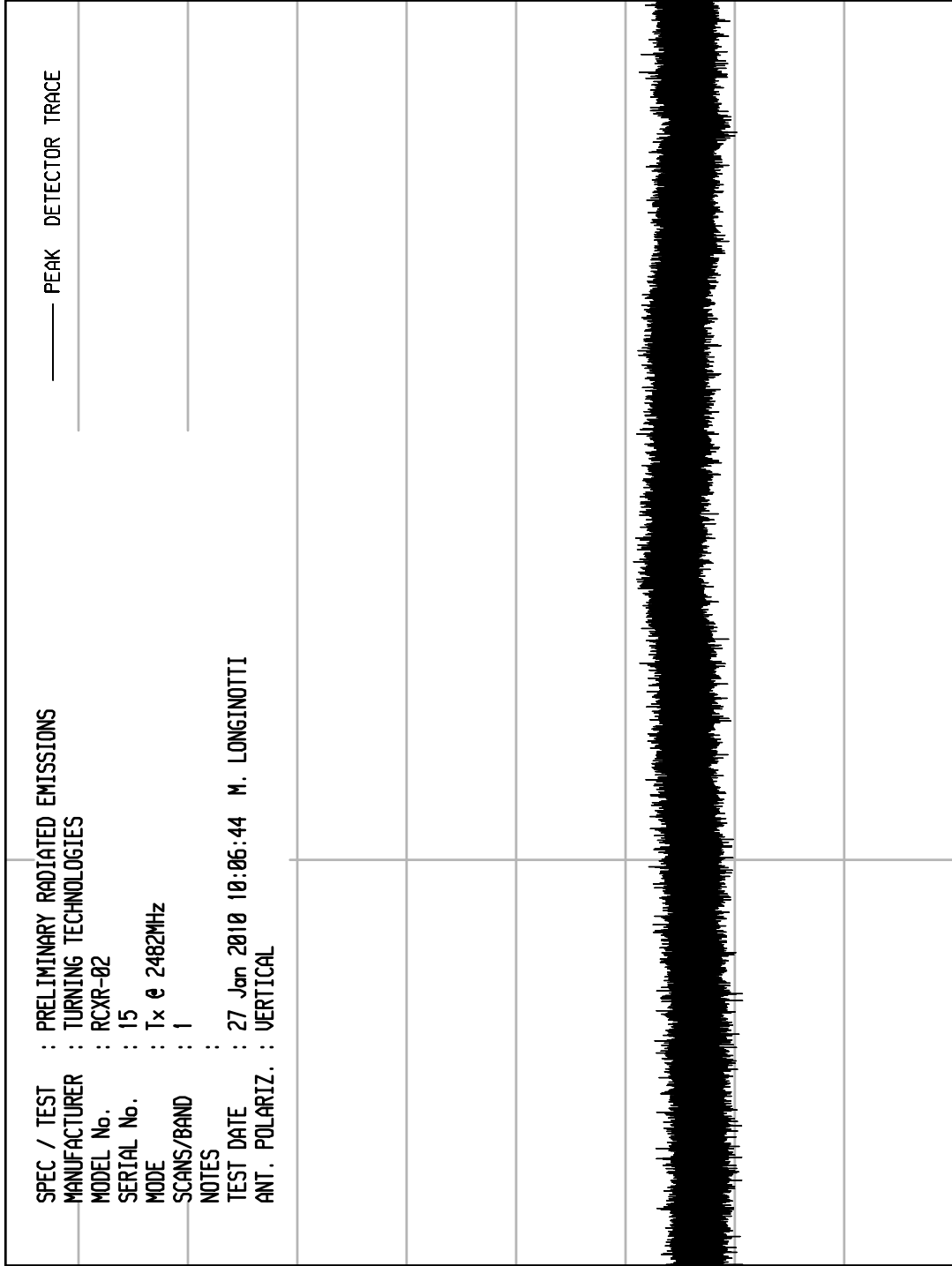
ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNIU RCU EMI RUN 6

WKA1 01/30/09

SPEC / TEST : PRELIMINARY RADIATED EMISSIONS
 MANUFACTURER : TURNING TECHNOLOGIES
 MODEL No. : RCXR-02
 SERIAL No. : 15
 MODE : Tx @ 2482MHz
 SCANS/BAND : 1
 NOTES :
 TEST DATE : 27 Jan 2010 10:06:44 M. LONGINOTTI
 ANT. POLARIZ. : VERTICAL

— PEAK DETECTOR TRACE



START = 18000

FREQUENCY MHz

STOP = 25000



Manufacturer : Turning Technologies
 Model No. : Transceiver RCXR-02
 Serial No. : 15
 Mode : Transmit at 2482MHz, large data packets
 Test Specification : FCC 15.249 and Industry Canada RSS-210 Annex 2, section A2.9
 Date : January 25, 2010 through January 27, 2010
 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)
2482.00	H	67.8		3.8	31.5	0.0	103.2	143779.6	500000.0	-10.8
2482.00	V	62.1		3.8	31.5	0.0	97.5	74592.9	500000.0	-16.5
4964.00	H	44.6	Amb	5.8	34.9	-35.9	49.4	294.9	5000.0	-24.6
4964.00	V	44.6	Amb	5.8	34.9	-35.9	49.4	294.9	5000.0	-24.6
7446.00	H	57.5		7.7	38.2	-35.5	67.9	2487.6	5000.0	-6.1
7446.00	V	51.9		7.7	38.2	-35.5	62.3	1305.5	5000.0	-11.7
9928.00	H	46.2		8.5	40.0	-35.0	59.7	970.3	5000.0	-14.2
9928.00	V	44.2	Amb	8.5	40.0	-35.0	57.7	770.7	5000.0	-16.2
12410.00	H	46.2		9.9	41.5	-34.4	63.2	1446.0	5000.0	-10.8
12410.00	V	44.1	Amb	9.9	41.5	-34.4	61.1	1135.4	5000.0	-12.9
14892.00	H	42.9	Amb	11.2	42.4	-34.0	62.5	1330.6	5000.0	-11.5
14892.00	V	42.6	Amb	11.2	42.4	-34.0	62.2	1285.4	5000.0	-11.8
17374.00	H	42.4	Amb	11.9	39.5	-33.9	60.0	997.0	5000.0	-14.0
17374.00	V	42.7	Amb	11.9	39.5	-33.9	60.3	1032.0	5000.0	-13.7
19856.00	H	36.6	Amb	2.2	40.4	-26.8	52.4	415.9	5000.0	-21.6
19856.00	V	35.4	Amb	2.2	40.4	-26.8	51.2	362.2	5000.0	-22.8
22338.00	H	37.3	Amb	2.2	40.6	-27.1	53.0	448.7	5000.0	-20.9
22338.00	V	36.9	Amb	2.2	40.6	-27.1	52.6	428.5	5000.0	-21.3
24820.00	H	36.8	Amb	2.2	40.6	-27.2	52.4	419.2	5000.0	-21.5
24820.00	V	37.3	Amb	2.2	40.6	-27.2	52.9	444.1	5000.0	-21.0

Amb = Ambient

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

Checked By: MARK E. LONGINOTTI
 Mark E. Longinotti



Manufacturer : Turning Technologies
 Model No. : Transceiver RCXR-02
 Serial No. : 15
 Mode : Transmit at 2482MHz, large data packets
 Test Specification : FCC 15.249 and Industry Canada RSS-210 Annex 2, section A2.9
 Date : January 25, 2010 through January 27, 2010
 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)
2482.0	H	67.8		3.8	31.5	0.0	-29.6	73.6	4761.0	50000.0	-20.4
2482.0	V	62.1		3.8	31.5	0.0	-29.6	67.9	2470.0	50000.0	-26.1
4964.0	H	44.6	Amb	5.8	34.9	-35.9	-29.6	19.8	9.8	500.0	-34.2
4964.0	V	44.6	Amb	5.8	34.9	-35.9	-29.6	19.8	9.8	500.0	-34.2
7446.0	H	57.5		7.7	38.2	-35.5	-29.6	38.3	82.4	500.0	-15.7
7446.0	V	51.9		7.7	38.2	-35.5	-29.6	32.7	43.2	500.0	-21.3
9928.0	H	46.2		8.5	40.0	-35.0	-29.6	30.1	32.1	500.0	-23.8
9928.0	V	44.2	Amb	8.5	40.0	-35.0	-29.6	28.1	25.5	500.0	-25.8
12410.0	H	46.2		9.9	41.5	-34.4	-29.6	33.6	47.9	500.0	-20.4
12410.0	V	44.1	Amb	9.9	41.5	-34.4	-29.6	31.5	37.6	500.0	-22.5
14892.0	H	42.9	Amb	11.2	42.4	-34.0	-29.6	32.9	44.1	500.0	-21.1
14892.0	V	42.6	Amb	11.2	42.4	-34.0	-29.6	32.6	42.6	500.0	-21.4
17374.0	H	42.4	Amb	11.9	39.5	-33.9	-29.6	30.4	33.0	500.0	-23.6
17374.0	V	42.7	Amb	11.9	39.5	-33.9	-29.6	30.7	34.2	500.0	-23.3
19856.0	H	36.6	Amb	2.2	40.4	-26.8	-29.6	22.8	13.8	500.0	-31.2
19856.0	V	35.4	Amb	2.2	40.4	-26.8	-29.6	21.6	12.0	500.0	-32.4
22338.0	H	37.3	Amb	2.2	40.6	-27.1	-29.6	23.4	14.9	500.0	-30.5
22338.0	V	36.9	Amb	2.2	40.6	-27.1	-29.6	23.0	14.2	500.0	-30.9
24820.0	H	36.8	Amb	2.2	40.6	-27.2	-29.6	22.8	13.9	500.0	-31.1
24820.0	V	37.3	Amb	2.2	40.6	-27.2	-29.6	23.3	14.7	500.0	-30.6

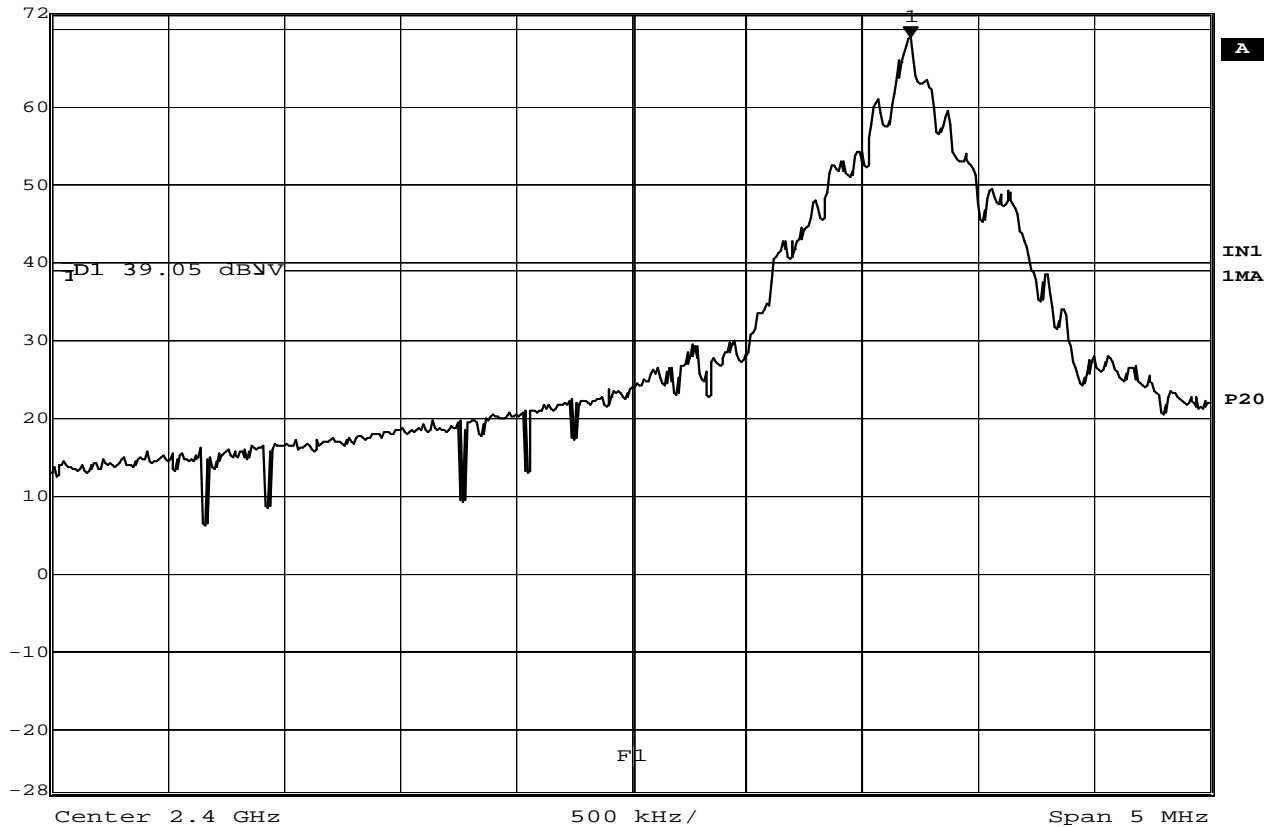
Amb = Ambient

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

Checked By: MARK E. LONGINOTTI
 Mark E. Longinotti



Marker 1 [T1] RBW 30 kHz RF Att 0 dB
 Ref Lvl 68.75 dBμV VBW 30 kHz
 72 dBμV 2.40120741 GHz SWT 14 ms Unit dBμV



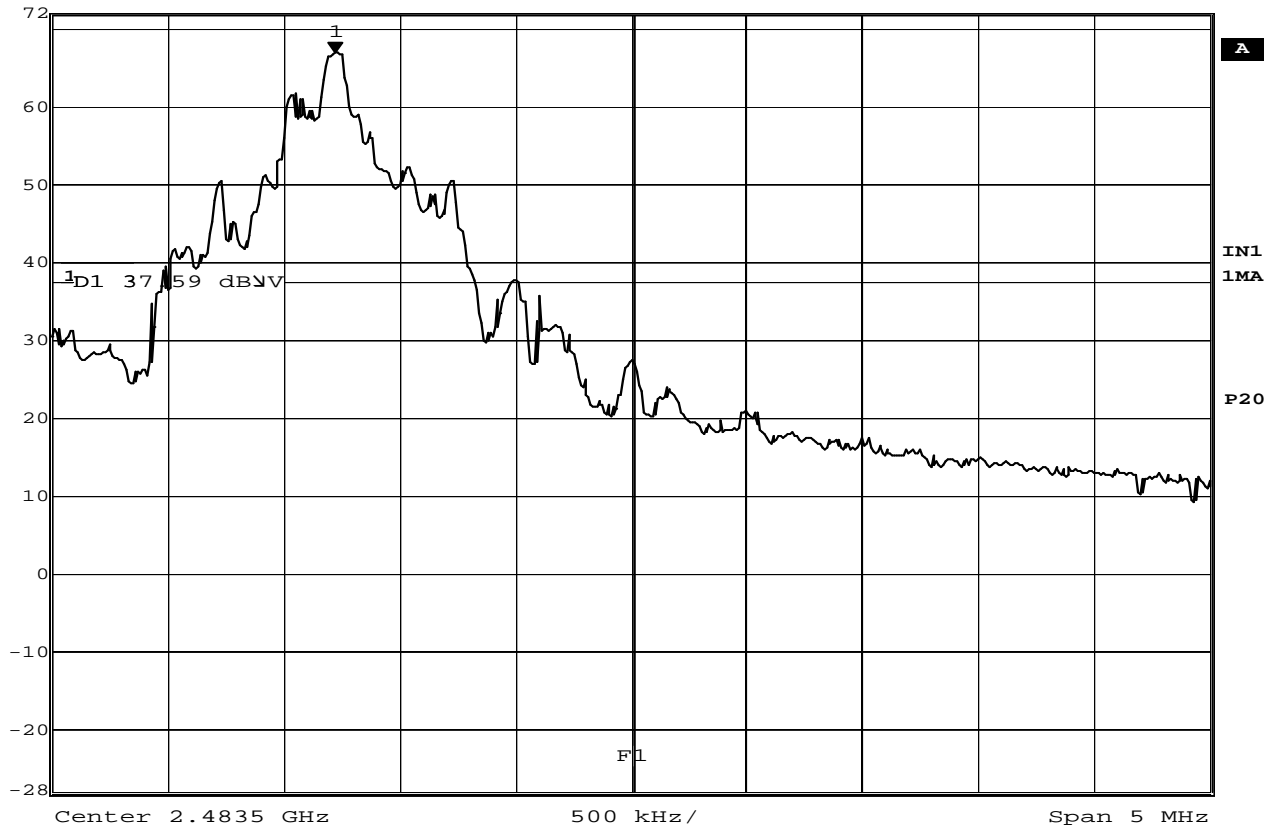
Date: 25.JAN.2010 21:32:43

FCC 15.249 BAND EDGE TEST

MANUFACTURER : Turning Technologies
 MODEL NUMBER : RCRX-02
 SERIAL NUMBER : 15
 TEST MODE : Tx @ 2401MHz (Small Packets)
 TEST DATE : January 25, 2010
 TEST PARAMETERS : Band edge
 NOTES : The peak reading at 2401MHz is 103.7dBuV/m (with a
 : 1MHz bandwidth). In order for the band edge
 : (2400MHz) to be below the general limit of
 : 74dBuV/m (peak), it must be down (103.7dBuV/m –
 : 74dBuV/m) 29.7dB from the fundamental at 2401MHz.
 : Display line D1 represents the 29.7dB down point (68.75 – 29.7).
 : Display line F1 represents the band edge (2400MHz).
 EQUIPMENT USED : RBB0, NWI0



Ref Lvl	Marker 1 [T1]	RBW	30 kHz	RF Att	0 dB
72 dBμV	66.79 dBμV	VBW	30 kHz		
	2.48222244 GHz	SWT	14 ms	Unit	dBμV



Date: 25.JAN.2010 22:01:53

FCC 15.249 BAND EDGE TEST

MANUFACTURER : Turning Technologies
 MODEL NUMBER : RCRX-02
 SERIAL NUMBER : 15
 TEST MODE : Tx @ 2482MHz (Large Packets)
 TEST DATE : January 25, 2010
 TEST PARAMETERS : Band edge
 NOTES : The peak reading at 2482MHz is 103.2dBuV/m (with a
 : 1MHz bandwidth). In order for the band edge
 : (2483.5MHz) to be below the general limit of
 : 74dBuV/m (peak), it must be down (103.2dBuV/m –
 : 74dBuV/m) 29.2dB from the fundamental at 2482MHz.
 : Display line D1 represents the 29.2dB down point (66.79 – 29.2).
 : Display line F1 represents the band edge (2483.5MHz).
 EQUIPMENT USED : RBB0, NWI0