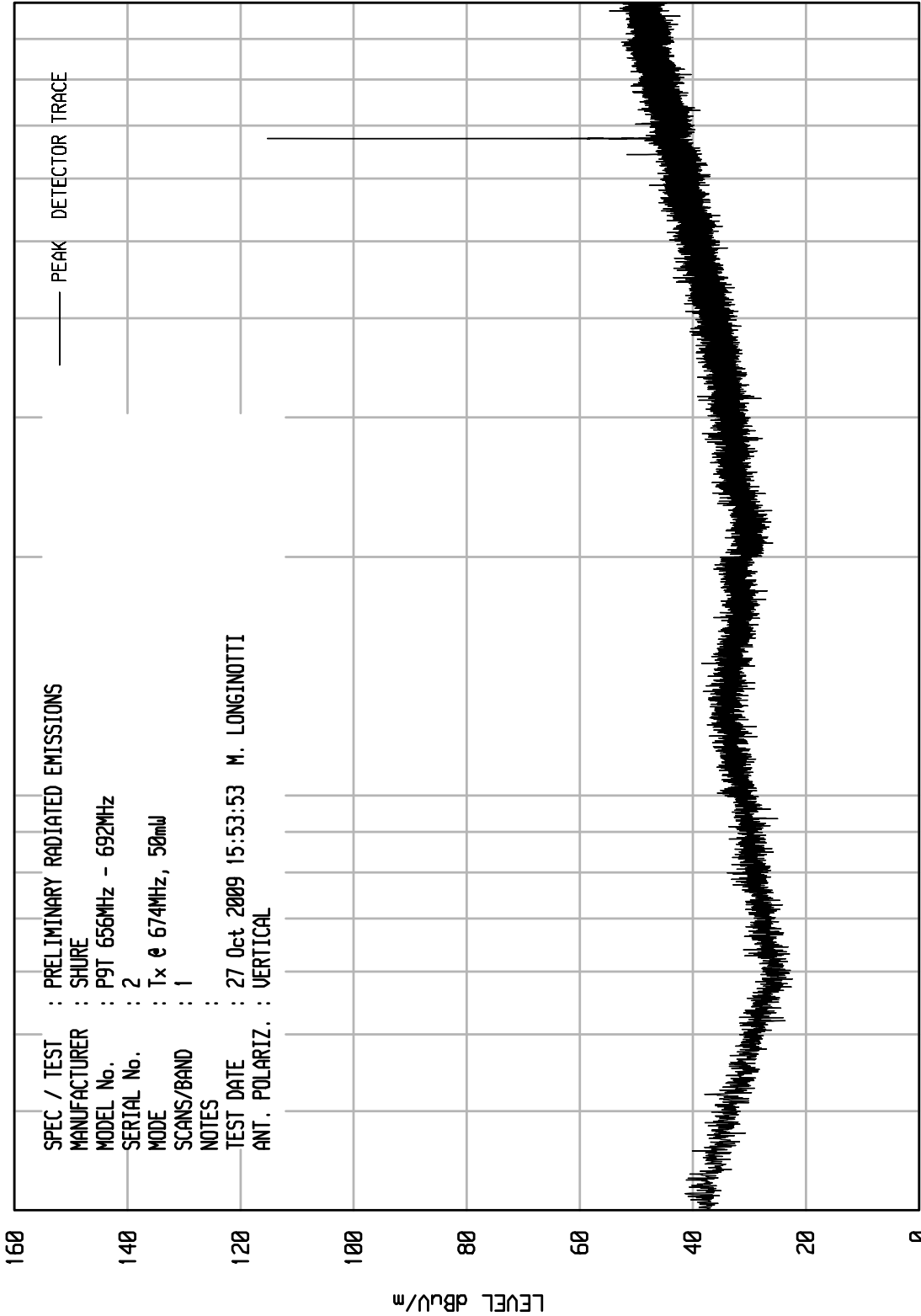


ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNITV RCU EMI RUN 26

UKA1 01/30/09



SPEC / TEST : PRELIMINARY RADIATED EMISSIONS

MANUFACTURER : SHURE

MODEL No. : P9T 656MHz - 692MHz

SERIAL No. : 2

MODE : Tx @ 674MHz, 50mW

SCANS/BAND : 1

NOTES :

TEST DATE : 27 Oct 2009 15:53:53 M. LONGINOTTI

ANT. POLARIZ. : VERTICAL

START = 30

100

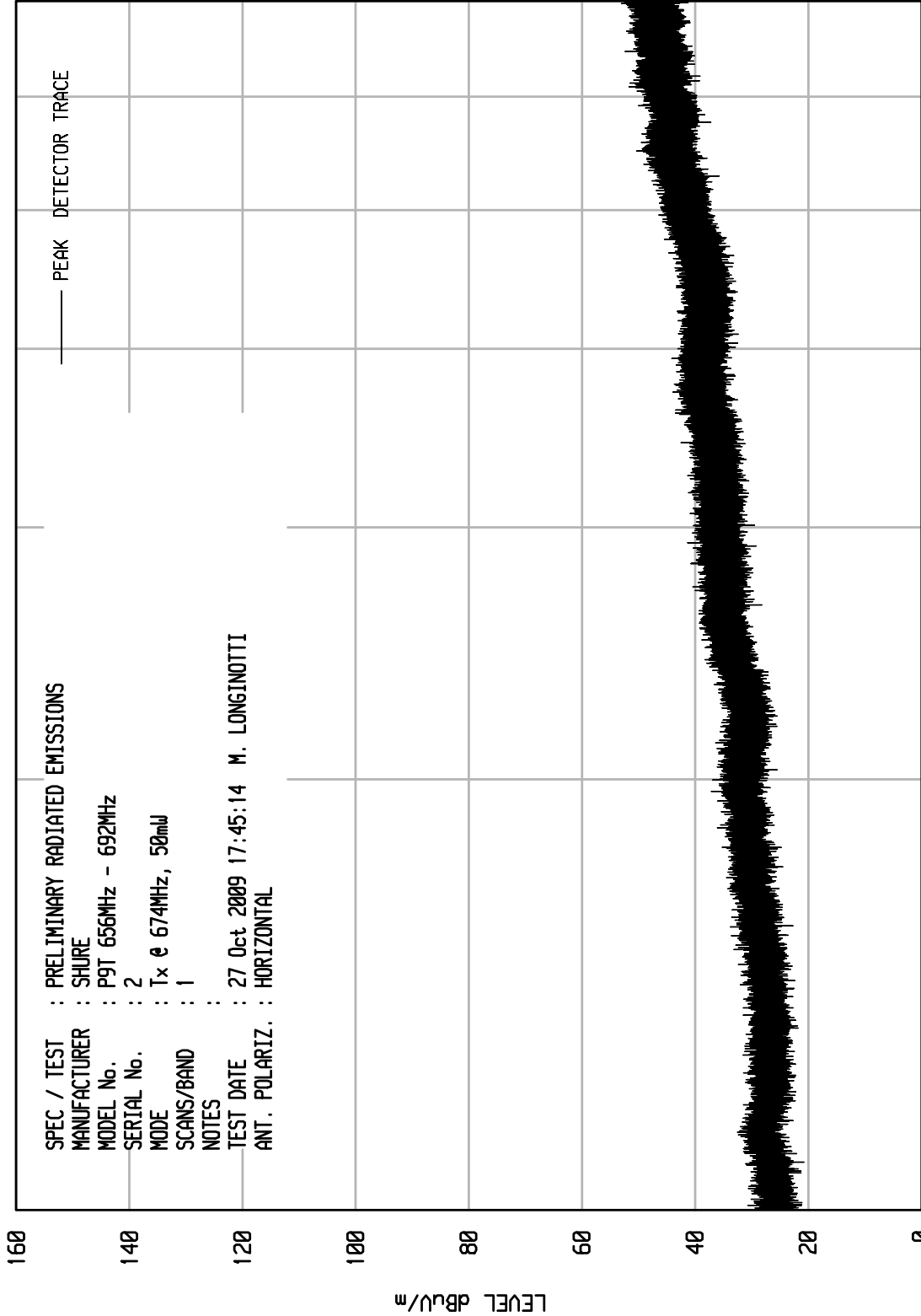
FREQUENCY MHz

STOP = 1000

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNITV RCU EMI RUN 46

UKA1 01/30/09



SPEC / TEST : PRELIMINARY RADIATED EMISSIONS

MANUFACTURER : SHURE

MODEL No. : P9T 656MHz - 692MHz

SERIAL No. : 2

MODE : Tx @ 674MHz, 50mW

SCANS/BAND : 1

NOTES :

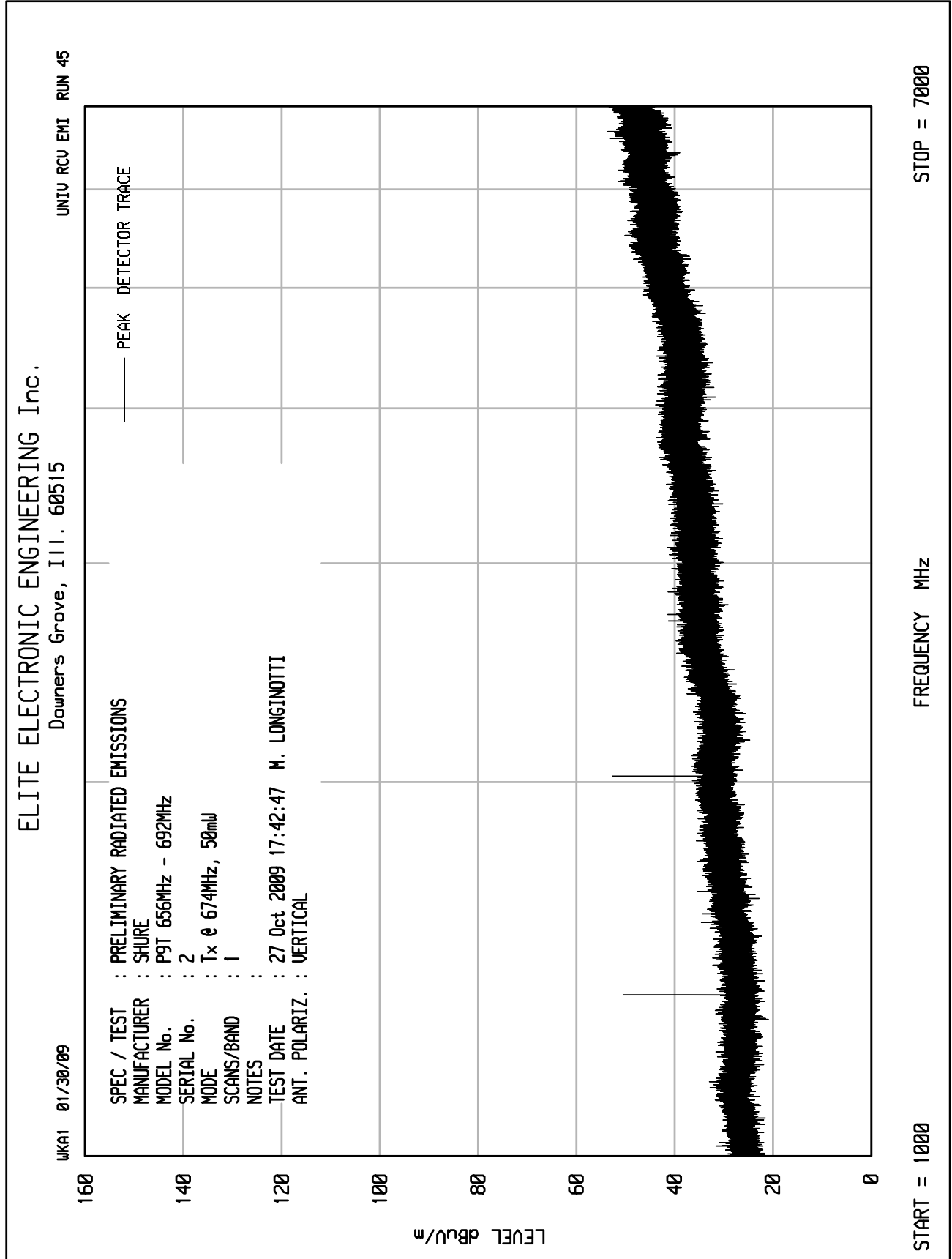
TEST DATE : 27 Oct 2009 17:45:14 M. LONGINOTTI

ANT. POLARIZ. : HORIZONTAL

START = 1000

FREQUENCY MHz

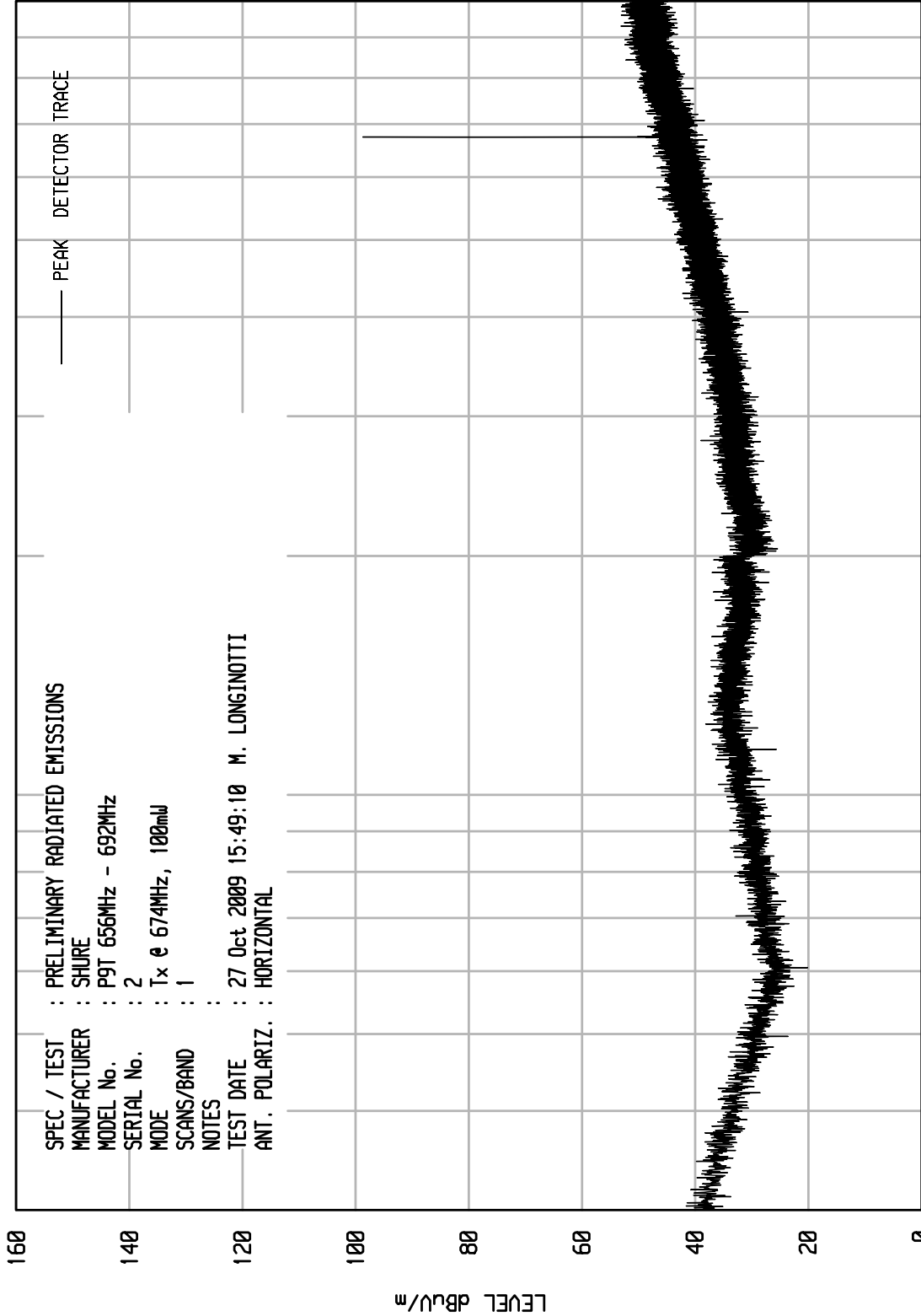
STOP = 7000



ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNITV RCU EMI RUN 24

UKA1 01/30/09



100

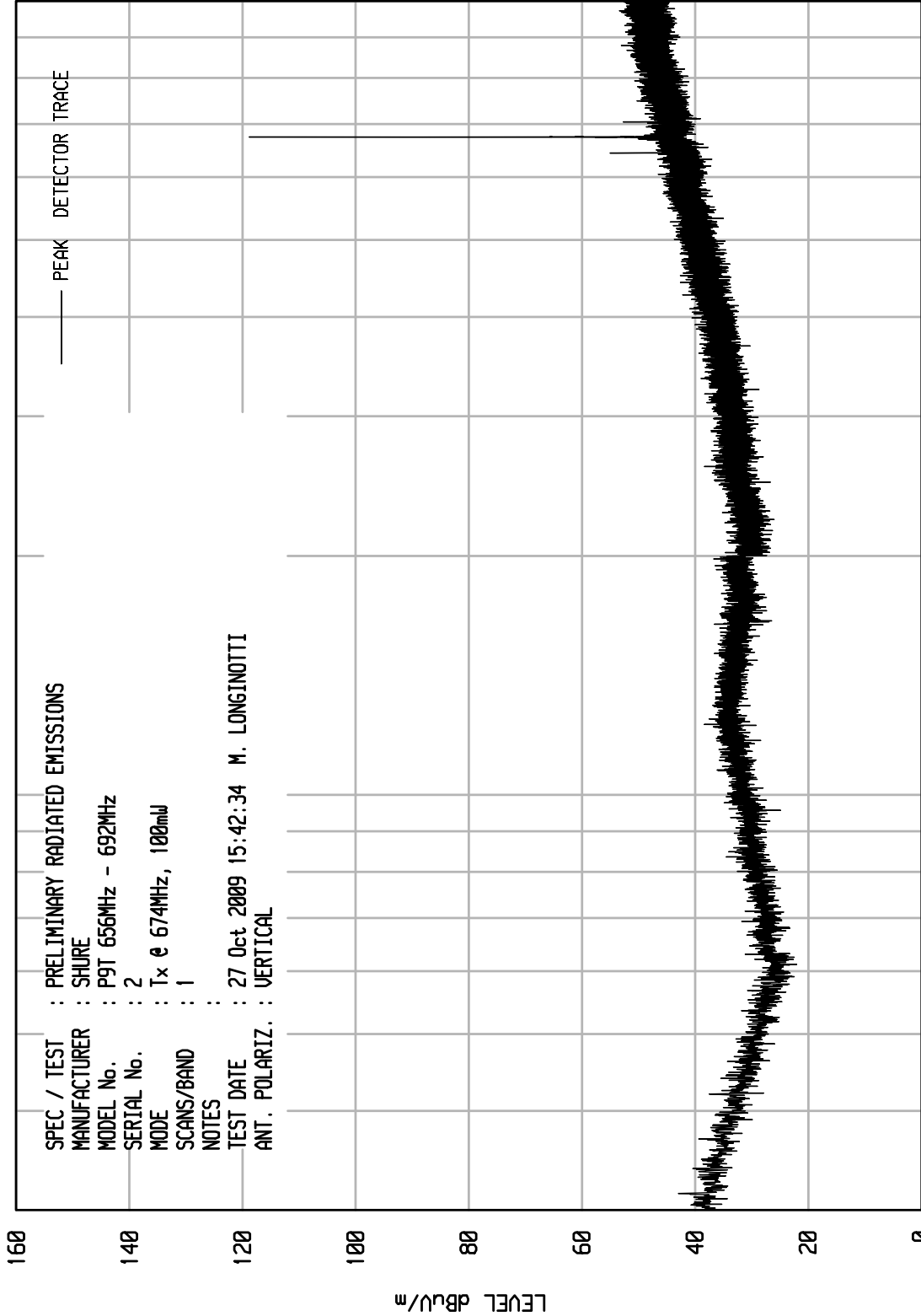
STOP = 1000

START = 30

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNITV RCU EMI RUN 23

UKA1 01/30/09



SPEC / TEST : PRELIMINARY RADIATED EMISSIONS

MANUFACTURER : SHURE

MODEL No. : P9T 656MHz - 692MHz

SERIAL No. : 2

MODE : Tx @ 674MHz, 100mW

SCANS/BAND : 1

NOTES :

TEST DATE : 27 Oct 2009 15:42:34 M. LONGINOTTI

ANT. POLARIZ. : VERTICAL

START = 30

100

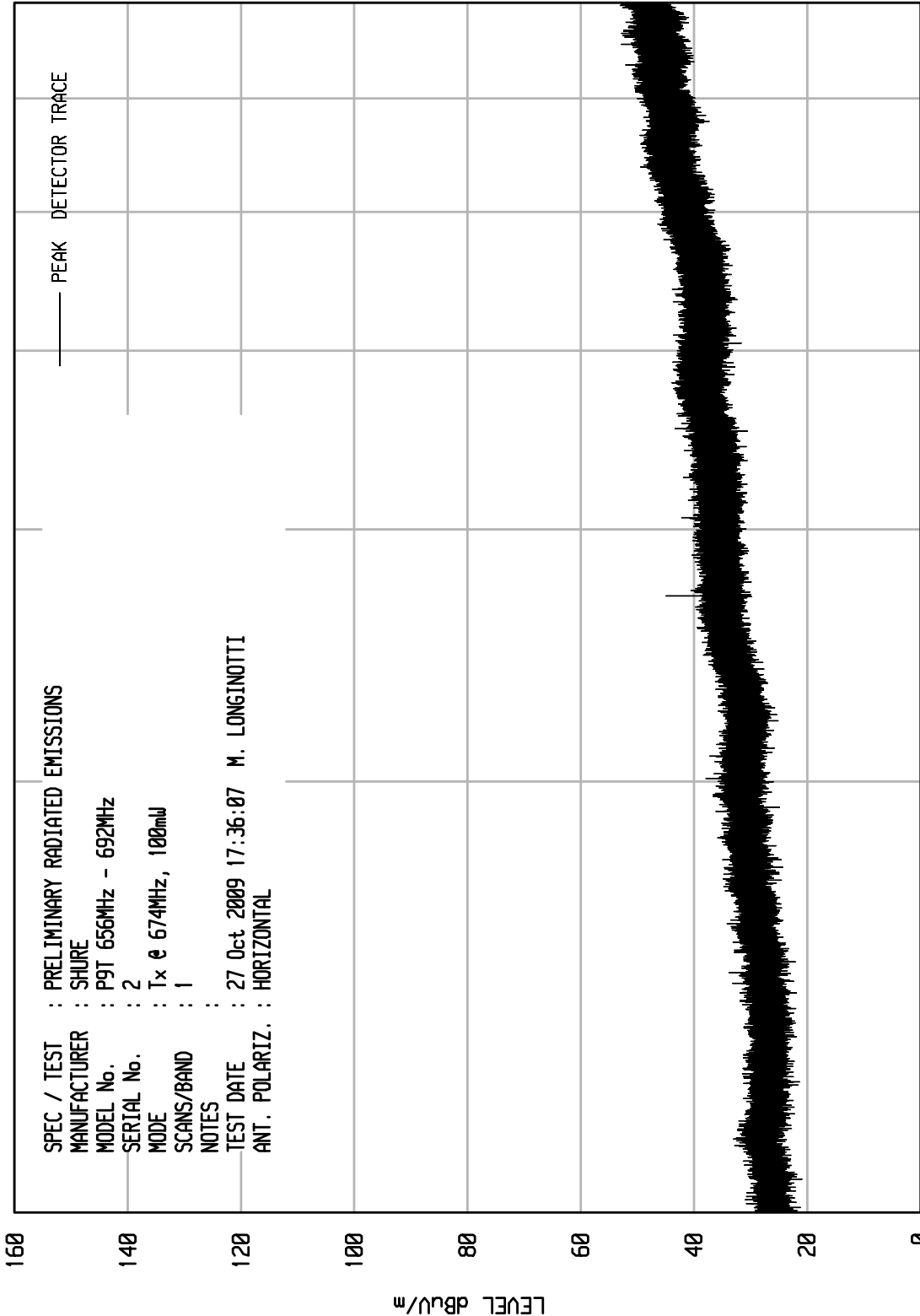
FREQUENCY MHz

STOP = 1000

ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNITV RCU EMI RUN 43

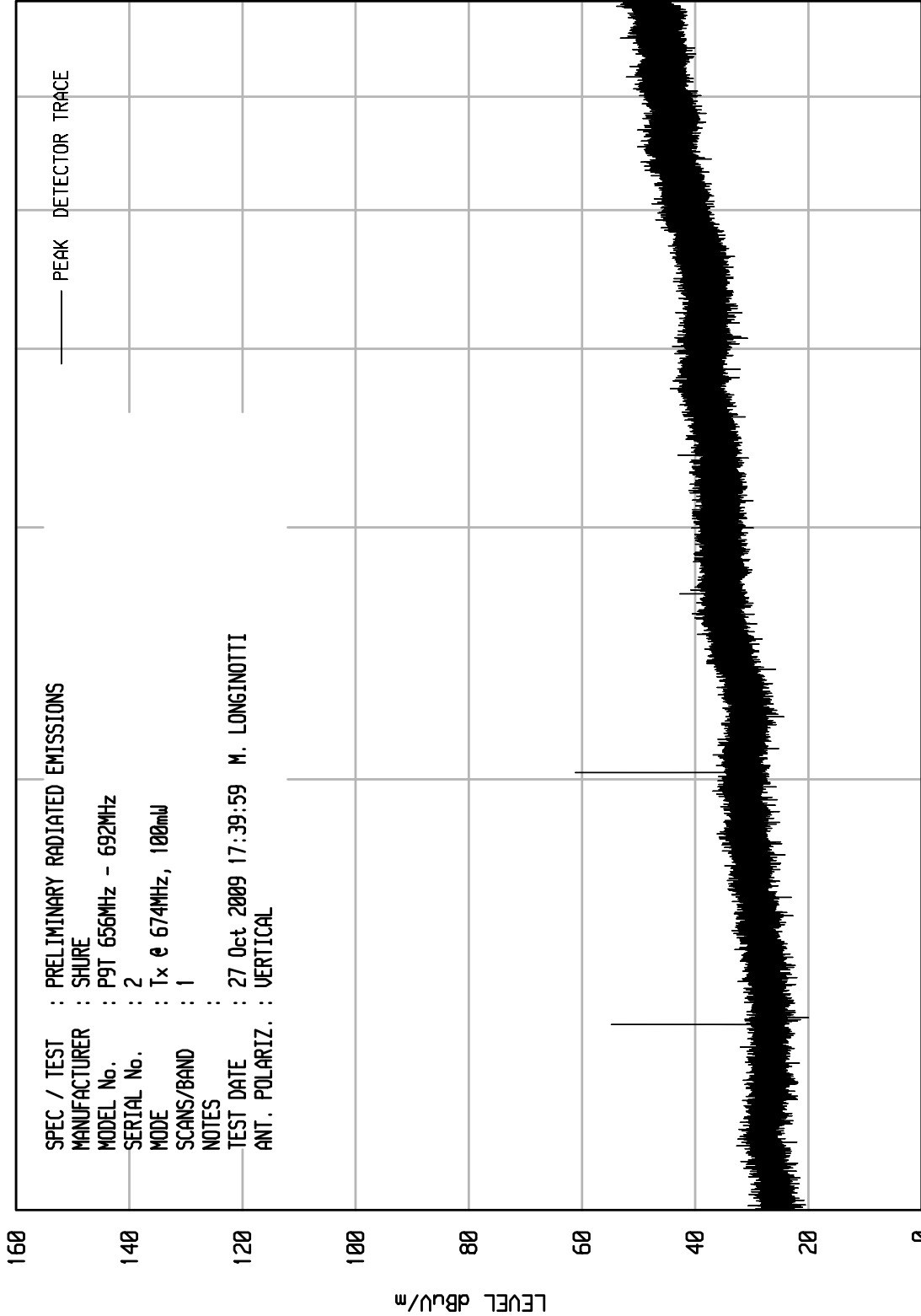
UKA1 01/30/09



ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

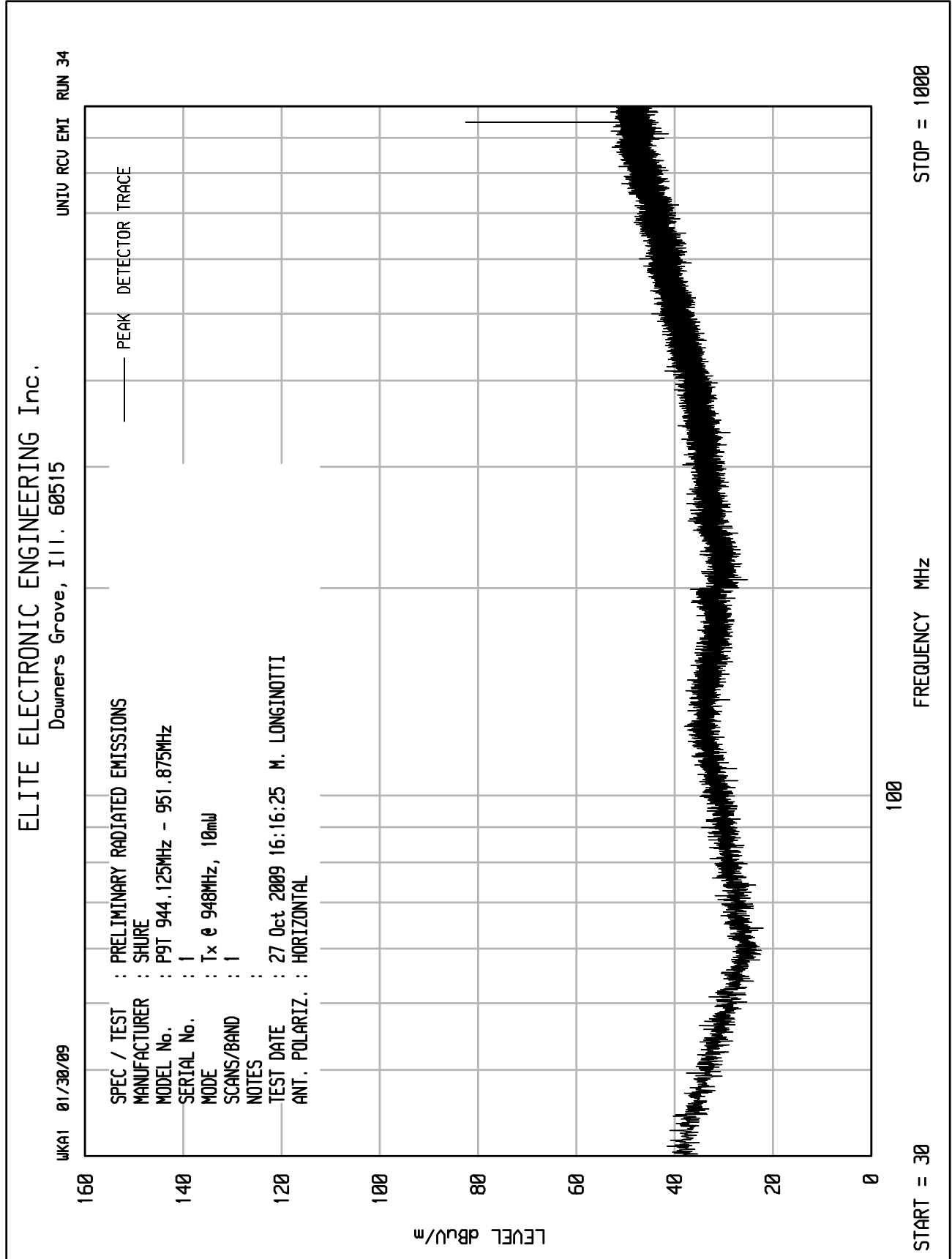
UNITV RCU EMI RUN 44

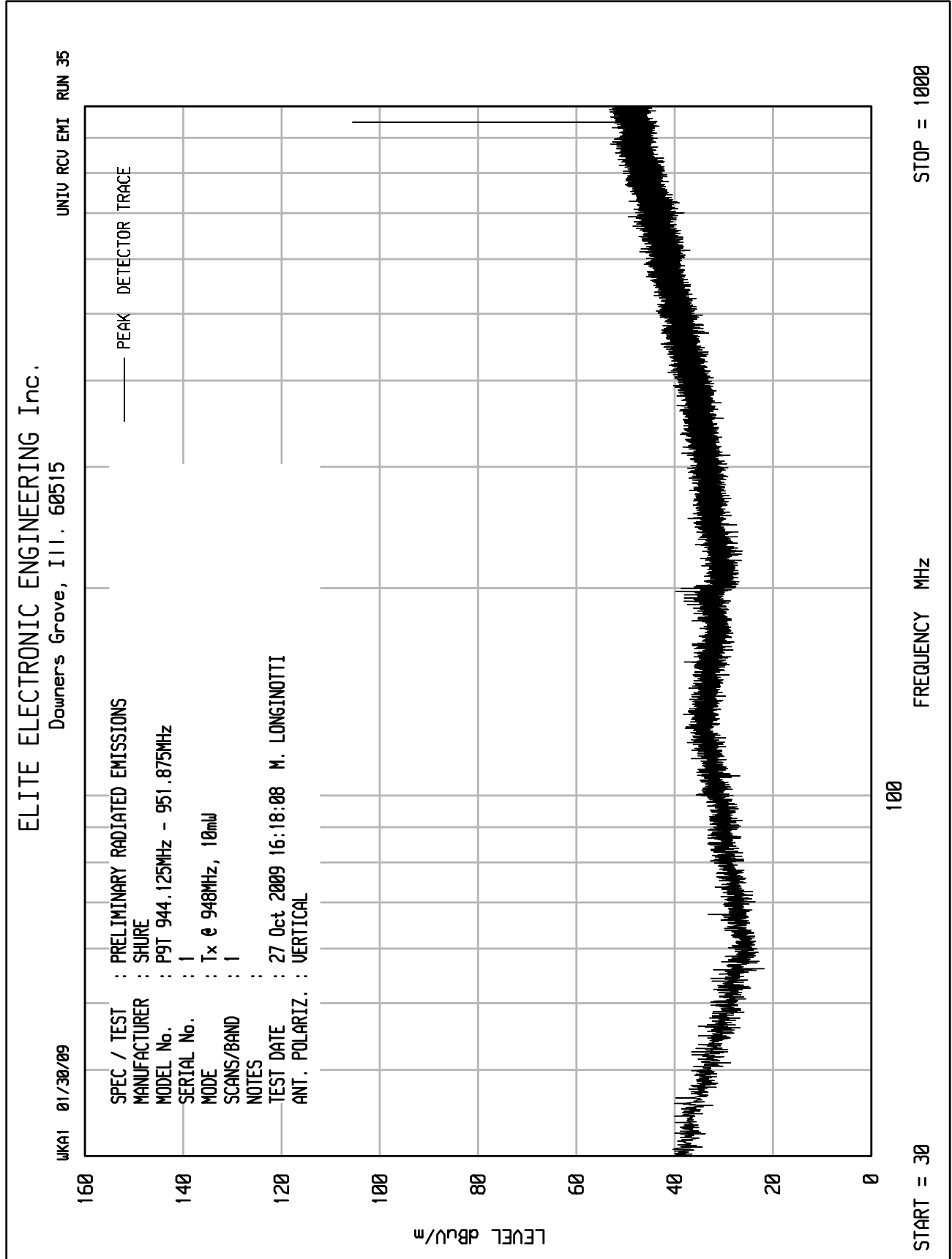
WKAI 01/30/09

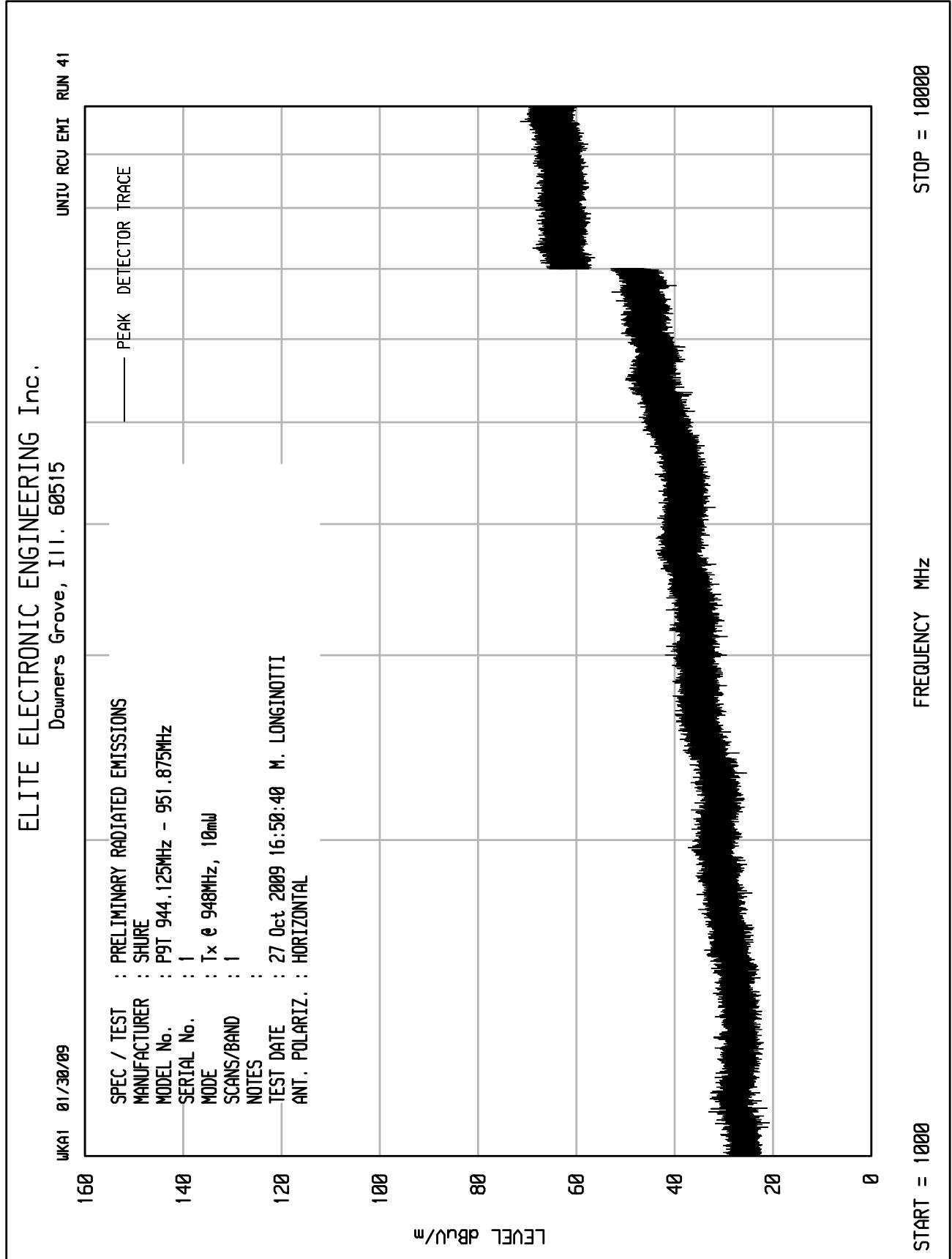


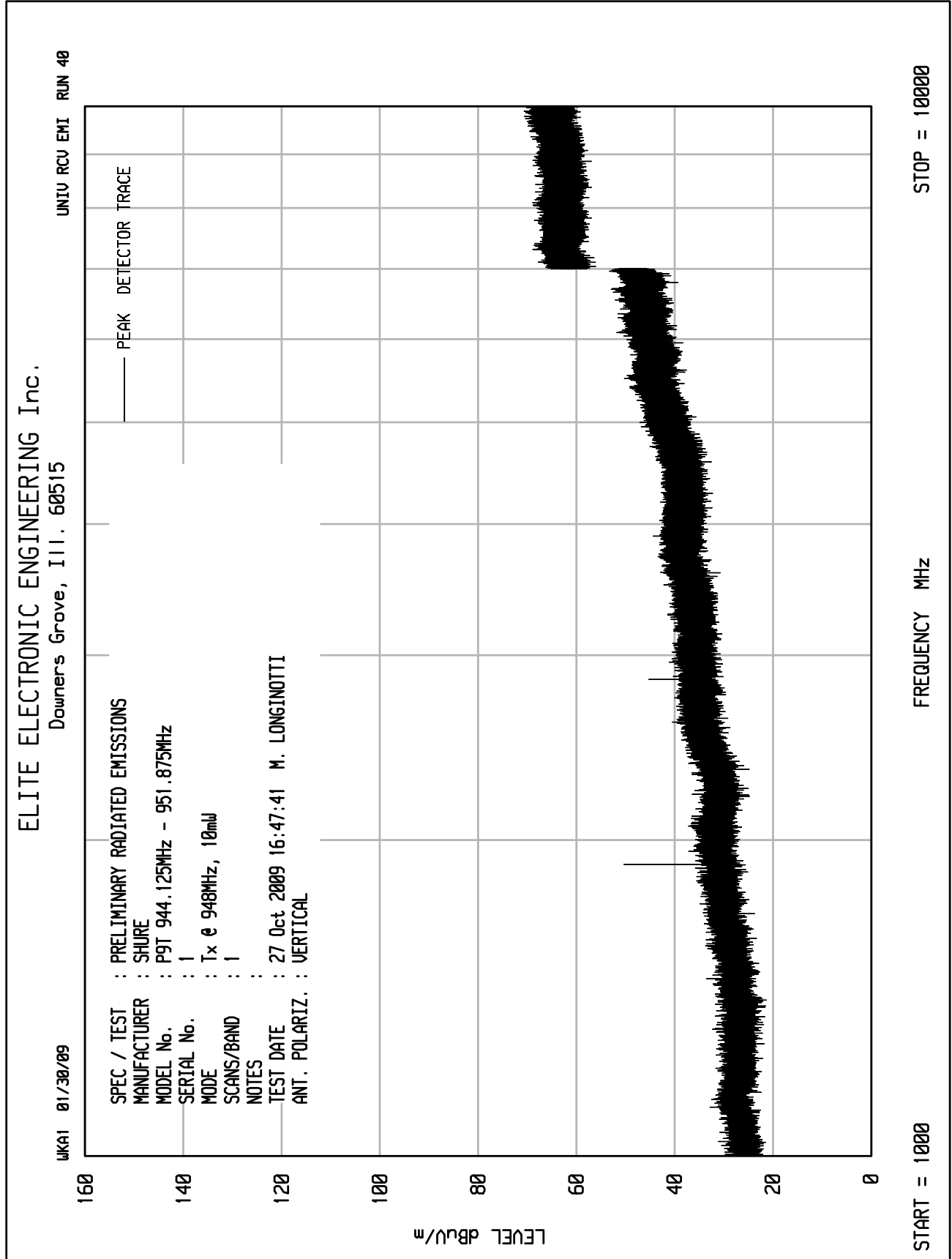
STOP = 7000

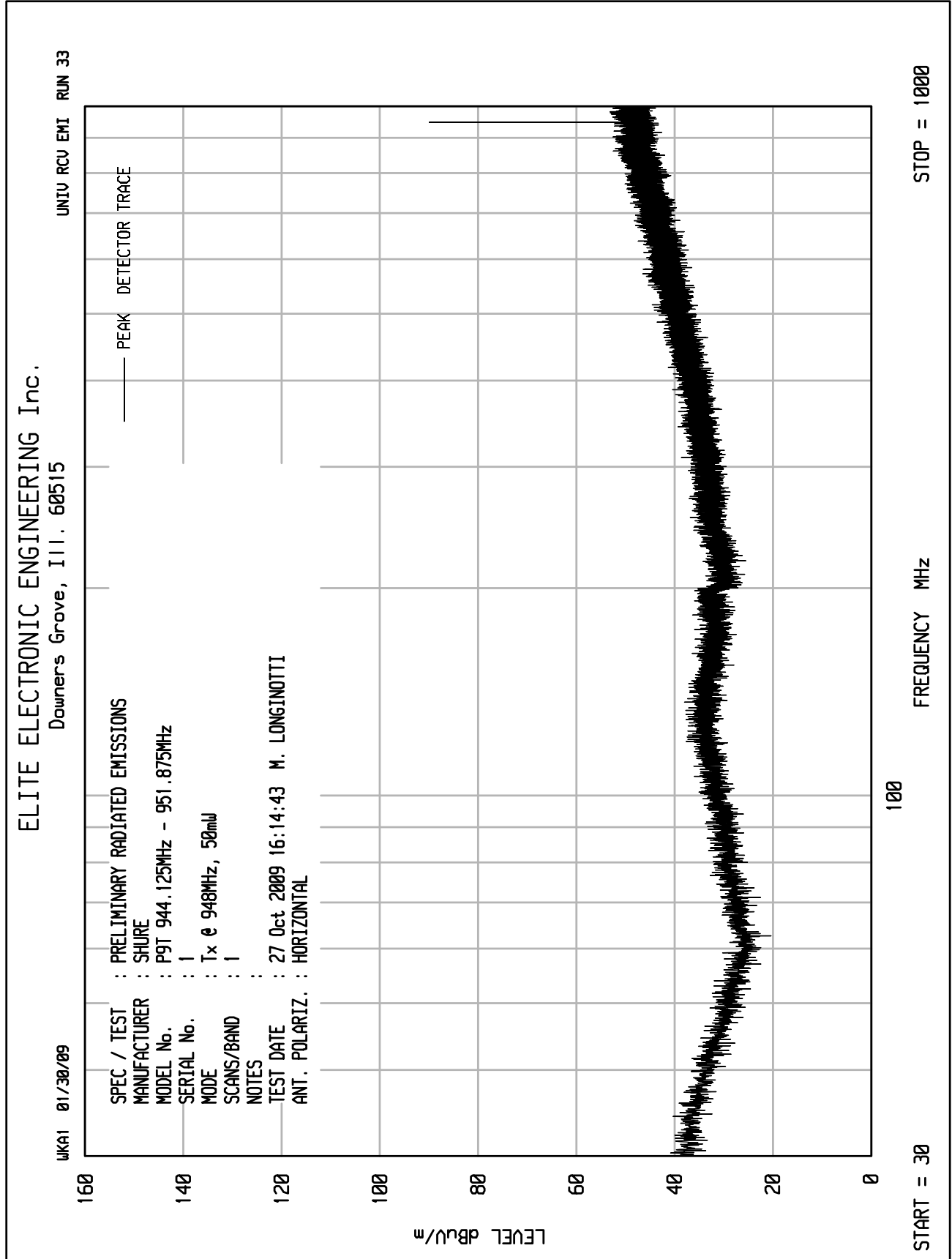
START = 1000

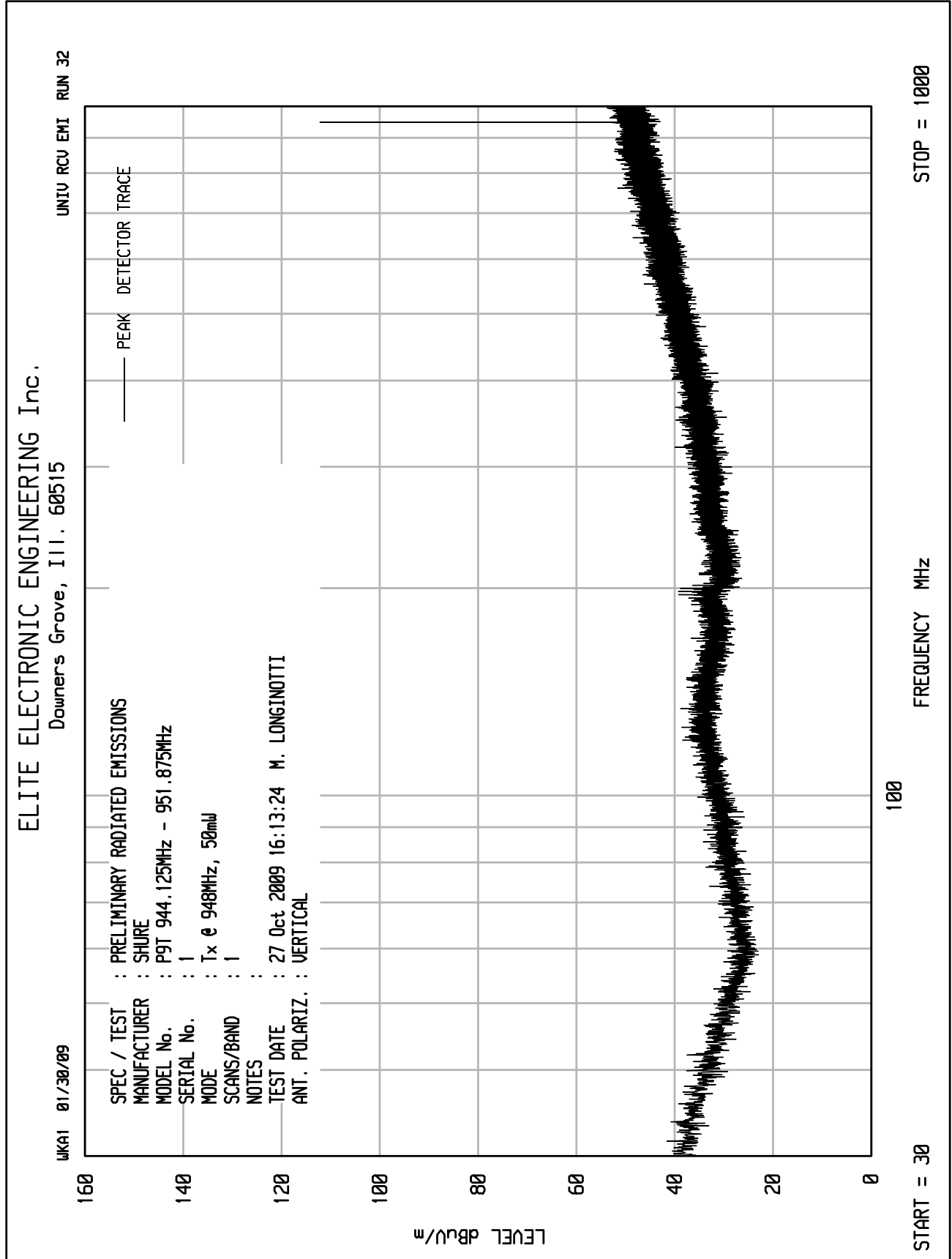


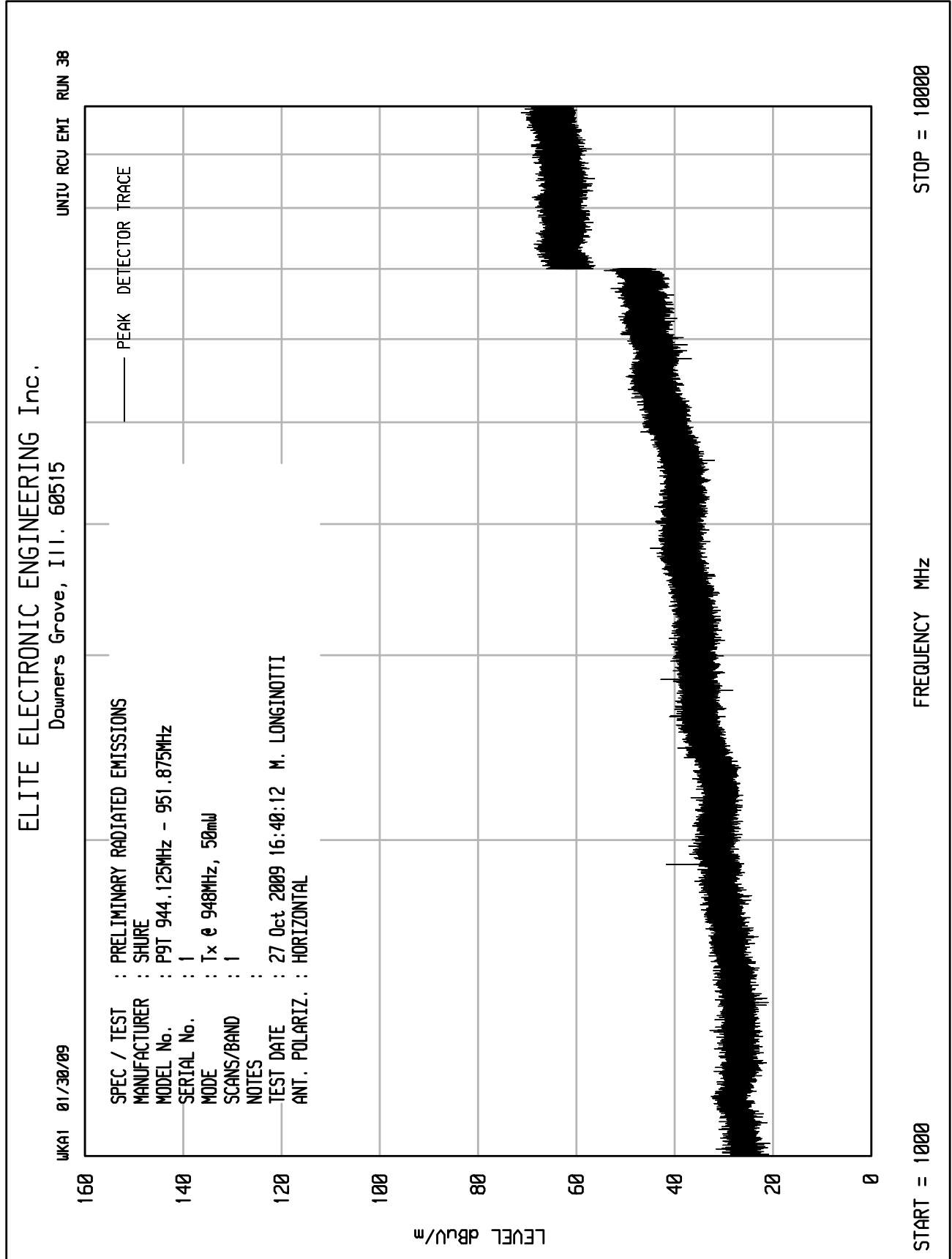


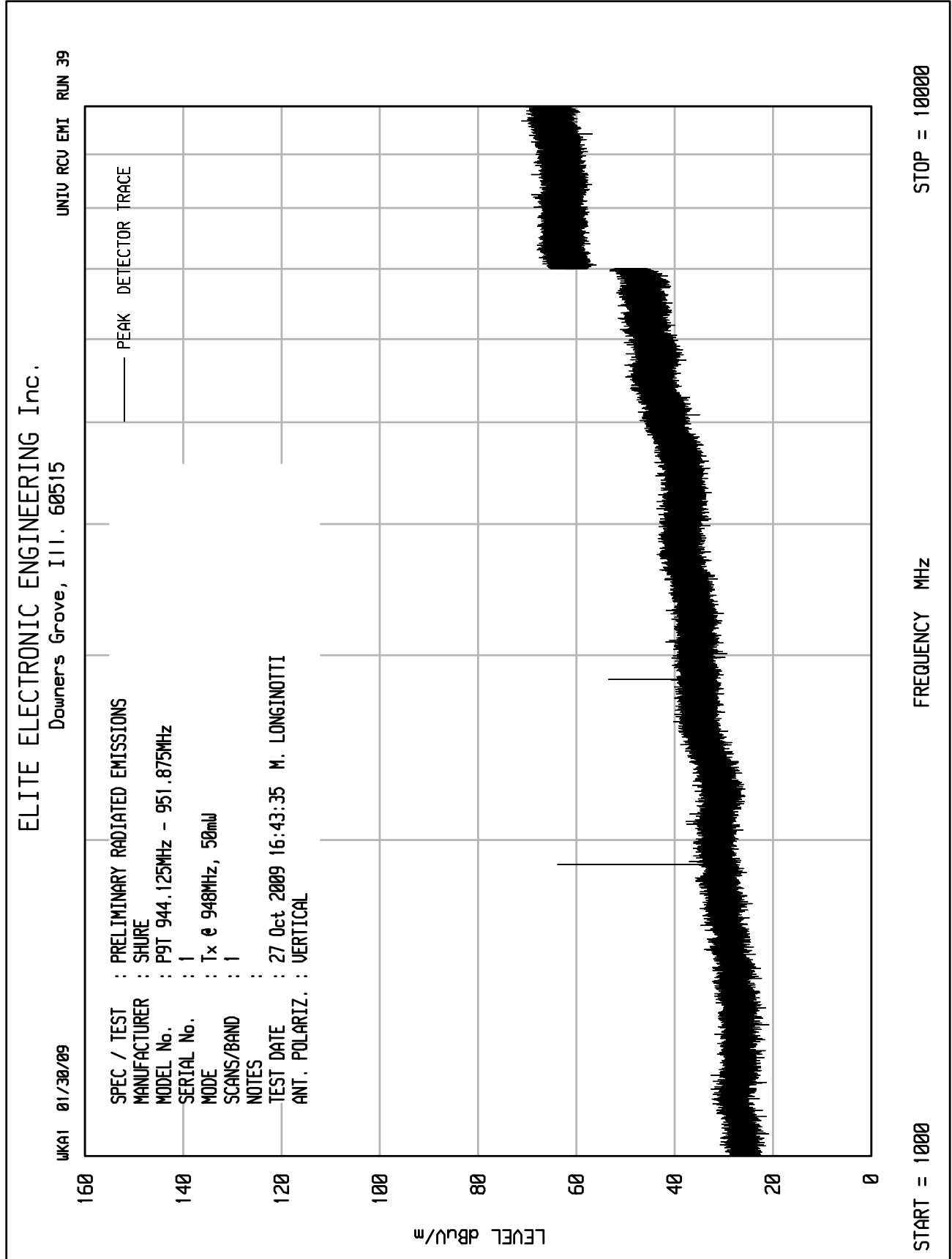


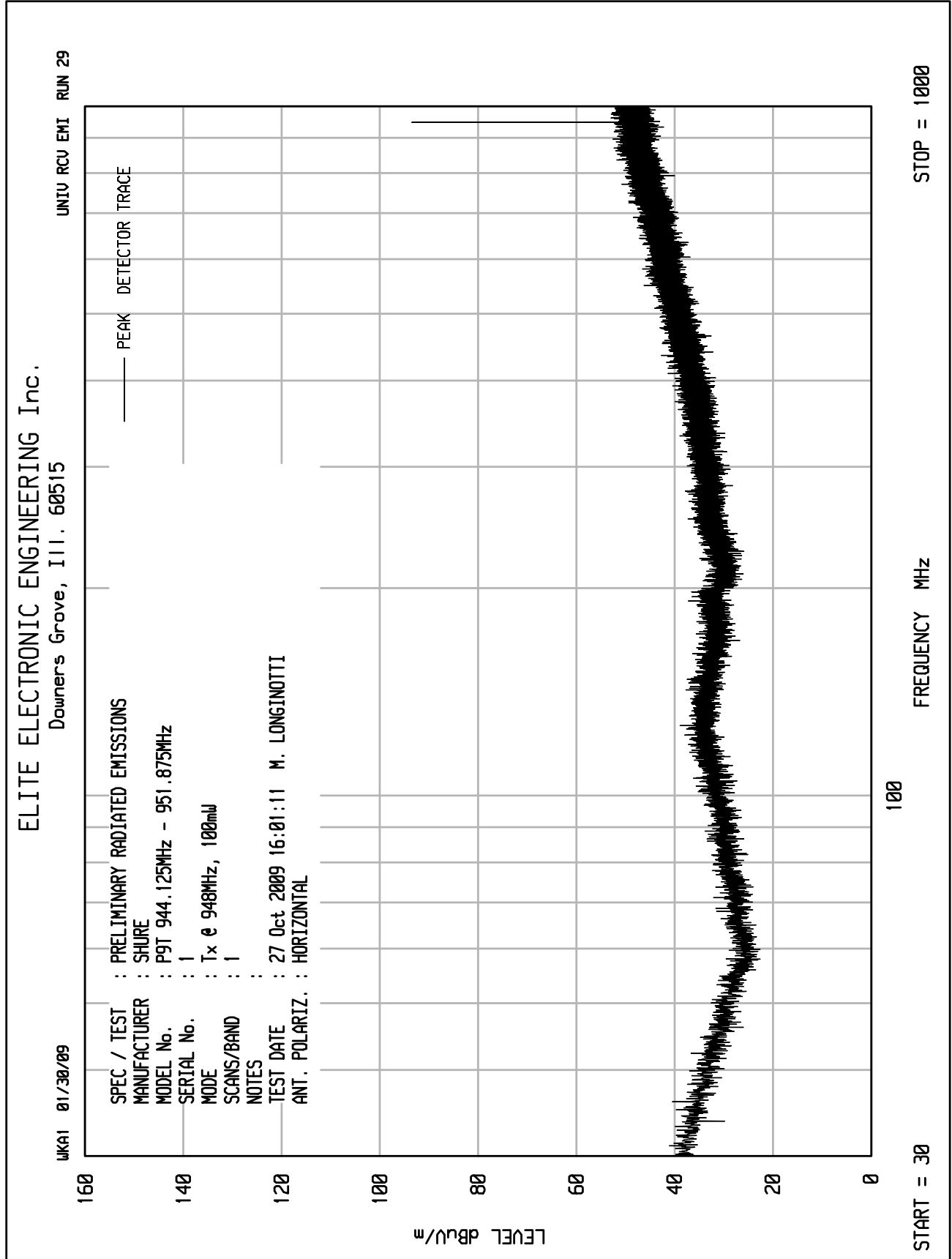








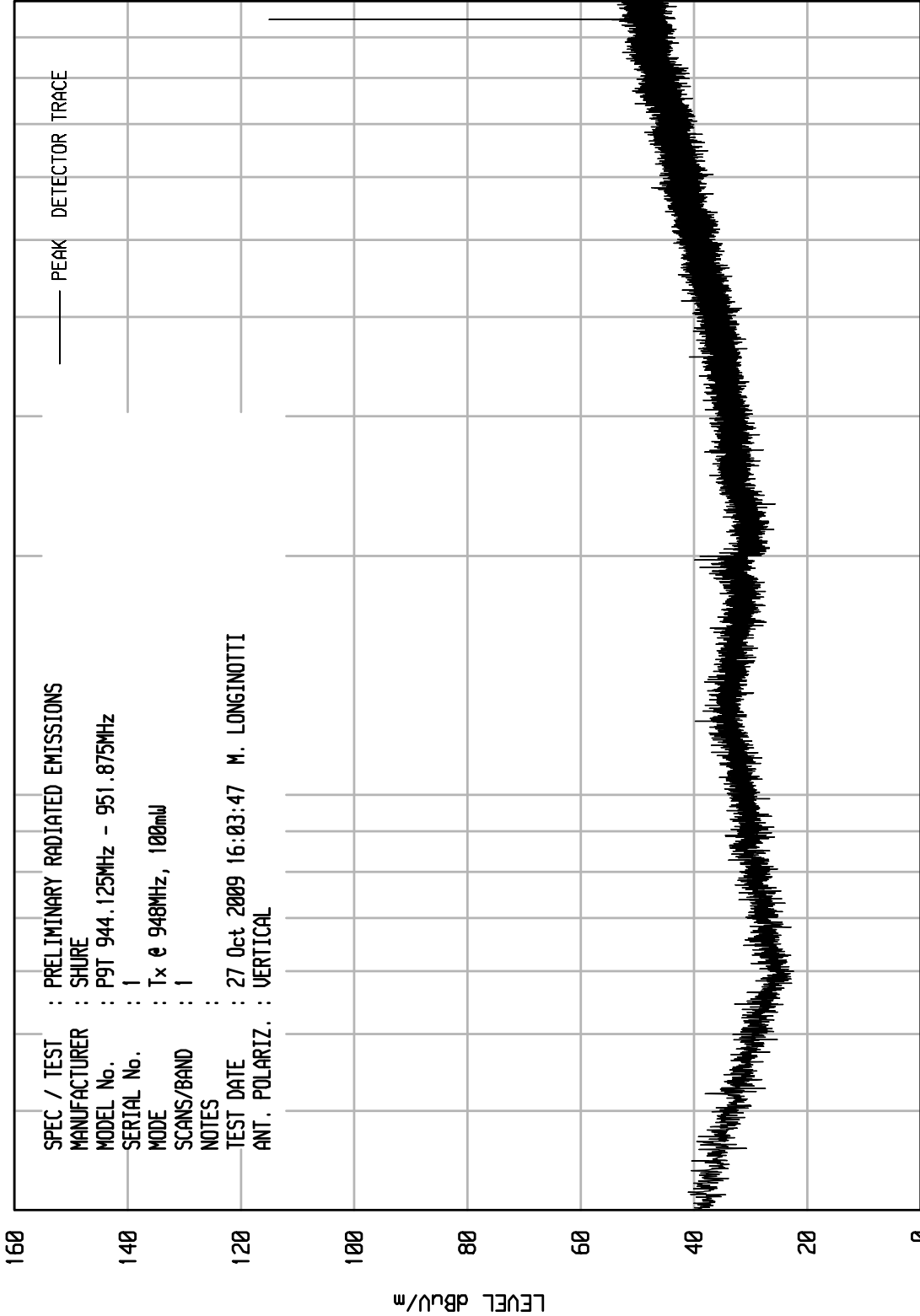




ELITE ELECTRONIC ENGINEERING Inc.
Downers Grove, Ill. 60515

UNIU RCU EMI RUN 38

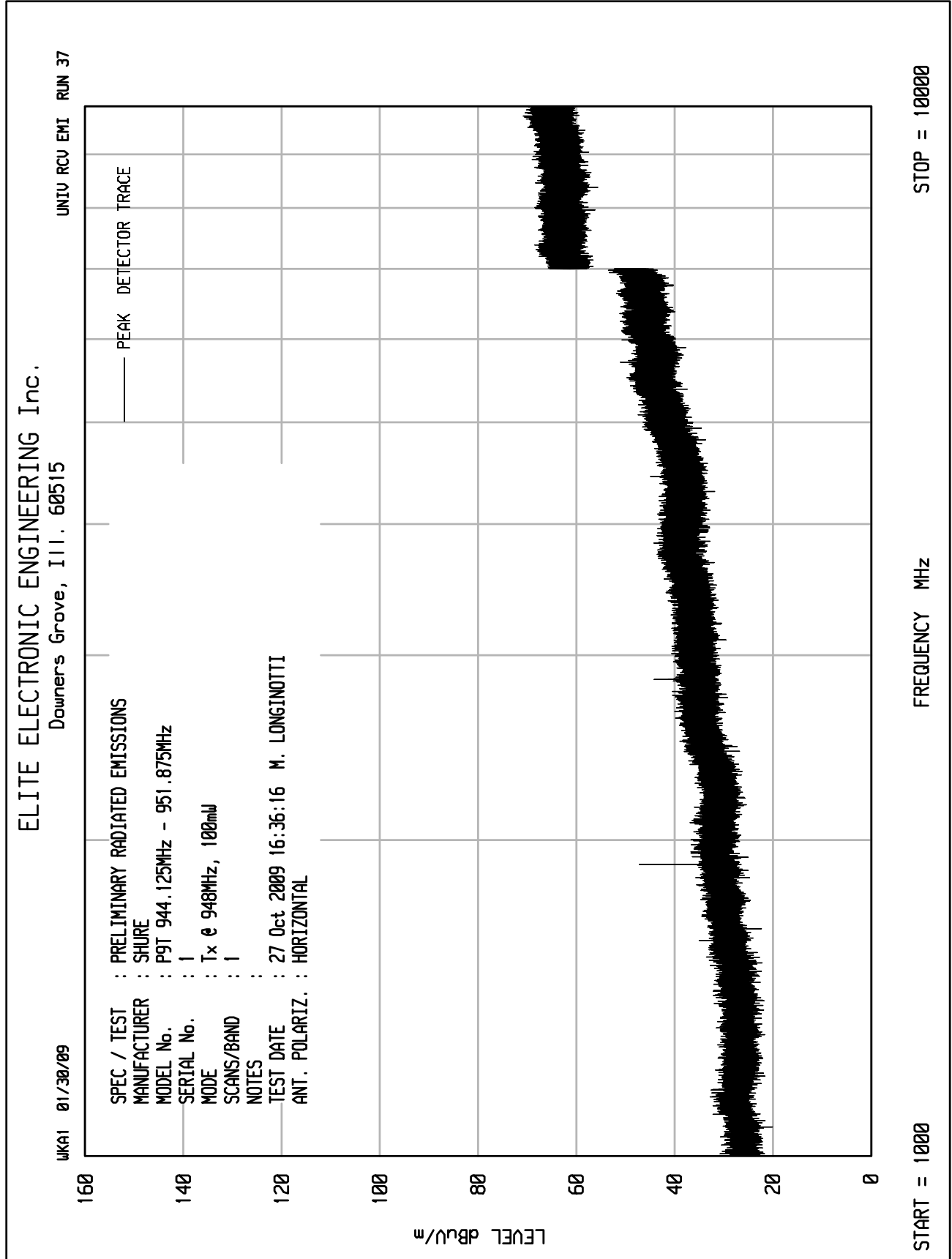
UKA1 01/30/09

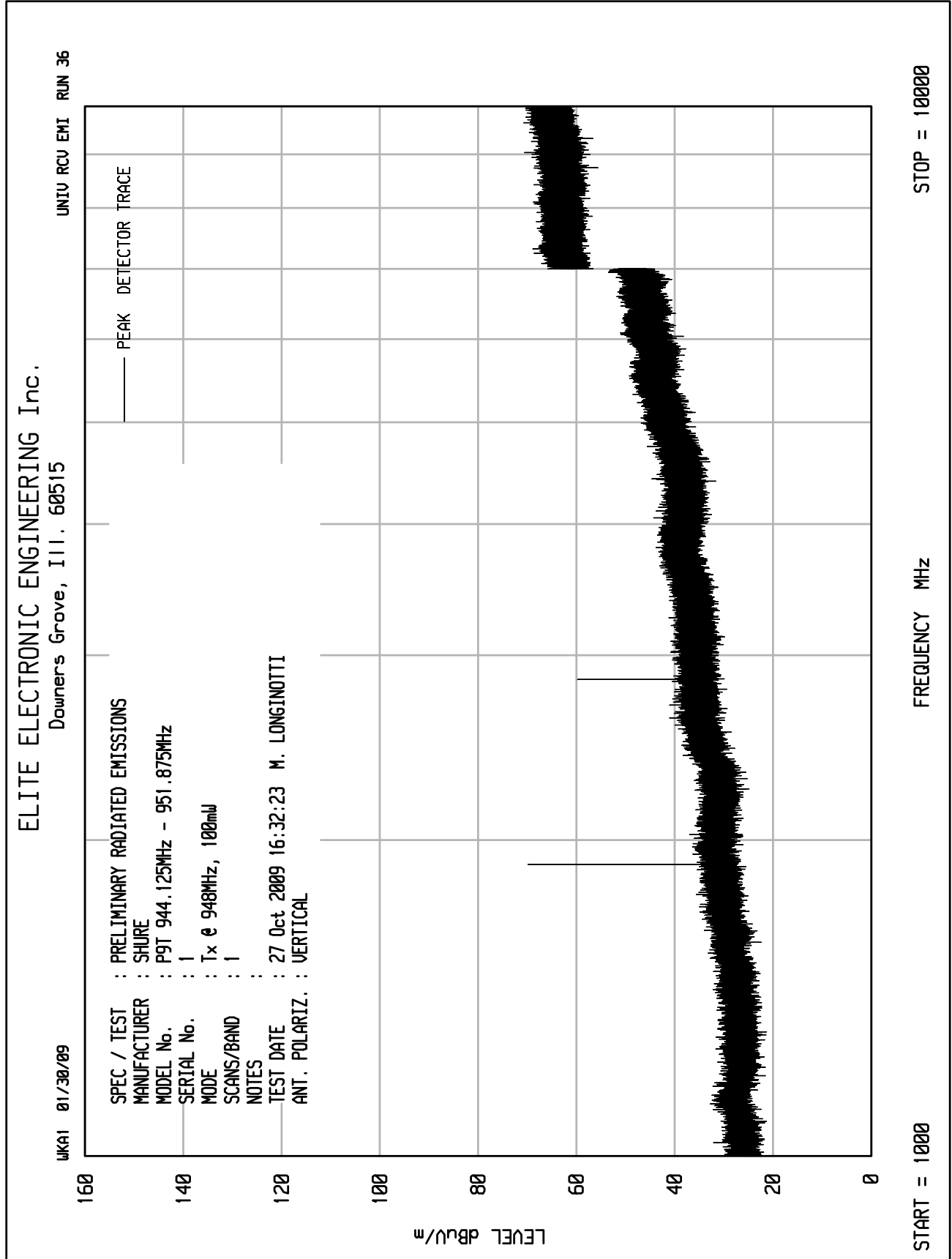


100

STOP = 1000

START = 30







MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 1
 SPECIFICATION : FCC-74 and RSS-123 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 488MHz, 10mW (10dBm)
 UNIT : A
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GX1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB	RSS-123 Min. Attn. dB
976.0	H	8.2	*	-69.2	0.0	2.0	-71.2	81.2	33.0	45.0
976.0	V	11.3	*	-63.5	0.0	2.0	-65.5	75.5	33.0	45.0
1464.0	H	15.0	*	-60.3	4.7	2.5	-58.1	68.1	33.0	45.0
1464.0	V	13.3	*	-61.5	4.7	2.5	-59.3	69.3	33.0	45.0
1952.0	H	14.3	*	-58.5	5.2	2.9	-56.1	66.1	33.0	45.0
1952.0	V	13.8	*	-58.2	5.2	2.9	-55.8	65.8	33.0	45.0
2440.0	H	13.7	*	-57.4	5.3	3.1	-55.1	65.1	33.0	45.0
2440.0	V	15.1	*	-53.8	5.3	3.1	-51.5	61.5	33.0	45.0
2928.0	H	15.4	*	-53.4	5.3	3.2	-51.3	61.3	33.0	45.0
2928.0	V	14.4	*	-53.8	5.3	3.2	-51.7	61.7	33.0	45.0
3416.0	H	14.7	*	-53.4	6.4	3.6	-50.6	60.6	33.0	45.0
3416.0	V	13.8	*	-54.1	6.4	3.6	-51.3	61.3	33.0	45.0
3904.0	H	16.2	*	-50.3	7.0	4.0	-47.3	57.3	33.0	45.0
3904.0	V	14.4	*	-51.2	7.0	4.0	-48.2	58.2	33.0	45.0
4392.0	H	14.3	*	-53.2	8.0	4.3	-49.5	59.5	33.0	45.0
4392.0	V	16.3	*	-51.4	8.0	4.3	-47.7	57.7	33.0	45.0
4880.0	H	16.5	*	-47.9	7.9	4.6	-44.6	54.6	33.0	45.0
4880.0	V	16.6	*	-48.6	7.9	4.6	-45.3	55.3	33.0	45.0

* - Ambient



ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Factor (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 1
 SPECIFICATION : FCC-74 and RSS-123 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 488MHz, 50mW (17dBm)
 UNIT : A
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GX1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB	RSS-123 Min. Attn. dB
976.0	H	25.5		-49.4	0.0	2.0	-51.4	68.3	33.0	45.0
976.0	V	27.0		-46.0	0.0	2.0	-48.0	64.9	33.0	45.0
1464.0	H	13.8	*	-61.8	4.7	2.5	-59.6	76.6	33.0	45.0
1464.0	V	13.0	*	-62.8	4.7	2.5	-60.6	77.6	33.0	45.0
1952.0	H	15.2	*	-56.3	5.2	2.9	-53.9	70.9	33.0	45.0
1952.0	V	14.6	*	-57.3	5.2	2.9	-54.9	71.9	33.0	45.0
2440.0	H	13.9	*	-57.1	5.3	3.1	-54.8	71.8	33.0	45.0
2440.0	V	13.7	*	-55.9	5.3	3.1	-53.6	70.6	33.0	45.0
2928.0	H	13.7	*	-55.6	5.3	3.2	-53.5	70.5	33.0	45.0
2928.0	V	13.9	*	-53.8	5.3	3.2	-51.7	68.7	33.0	45.0
3416.0	H	15.0	*	-52.9	6.4	3.6	-50.1	67.1	33.0	45.0
3416.0	V	13.7	*	-54.1	6.4	3.6	-51.3	68.3	33.0	45.0
3904.0	H	14.1	*	-52.7	7.0	4.0	-49.7	66.7	33.0	45.0
3904.0	V	15.4	*	-51.0	7.0	4.0	-48.0	65.0	33.0	45.0
4392.0	H	14.3	*	-53.2	8.0	4.3	-49.5	66.5	33.0	45.0
4392.0	V	14.2	*	-52.9	8.0	4.3	-49.2	66.2	33.0	45.0
4880.0	H	16.5	*	-47.9	7.9	4.6	-44.6	61.5	33.0	45.0
4880.0	V	15.8	*	-49.4	7.9	4.6	-46.1	63.0	33.0	45.0

* - Ambient



ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Loss (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 1
 SPECIFICATION : FCC-74 and RSS-123 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 488MHz, 100mW (20dBm)
 UNIT : A
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GX1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB	RSS-123 Min. Attn. dB
976.0	H	25.5		-49.4	0.0	2.0	-51.4	71.4	33.0	45.0
976.0	V	27.0		-46.0	0.0	2.0	-48.0	68.0	33.0	45.0
1464.0	H	13.4	*	-61.8	4.7	2.5	-59.6	79.6	33.0	45.0
1464.0	V	13.7	*	-61.5	4.7	2.5	-59.3	79.3	33.0	45.0
1952.0	H	15.0	*	-57.2	5.2	2.9	-54.8	74.8	33.0	45.0
1952.0	V	14.3	*	-57.6	5.2	2.9	-55.2	75.2	33.0	45.0
2440.0	H	15.4	*	-55.1	5.3	3.1	-52.8	72.8	33.0	45.0
2440.0	V	14.4	*	-54.2	5.3	3.1	-51.9	71.9	33.0	45.0
2928.0	H	14.8	*	-55.0	5.3	3.2	-52.9	72.9	33.0	45.0
2928.0	V	15.2	*	-53.0	5.3	3.2	-50.9	70.9	33.0	45.0
3416.0	H	13.8	*	-54.4	6.4	3.6	-51.6	71.6	33.0	45.0
3416.0	V	13.7	*	-54.1	6.4	3.6	-51.3	71.3	33.0	45.0
3904.0	H	14.8	*	-52.1	7.0	4.0	-49.1	69.1	33.0	45.0
3904.0	V	14.4	*	-51.2	7.0	4.0	-48.2	68.2	33.0	45.0
4392.0	H	14.2	*	-53.2	8.0	4.3	-49.5	69.5	33.0	45.0
4392.0	V	15.2	*	-51.4	8.0	4.3	-47.7	67.7	33.0	45.0
4880.0	H	15.5	*	-49.3	7.9	4.6	-46.0	66.0	33.0	45.0
4880.0	V	15.5	*	-49.4	7.9	4.6	-46.1	66.1	33.0	45.0

* - Ambient



ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Loss (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 1
 SPECIFICATION : FCC-74 and RSS-123 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 524MHz, 10mW (10dBm)
 UNIT : B
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GXA1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB	RSS-123 Min. Attn. dB
1048.0	H	14.3	*	-62.1	2.4	2.0	-61.7	71.7	33.0	45.0
1048.0	V	15.0	*	-61.0	2.4	2.0	-60.6	70.6	33.0	45.0
1572.0	H	15.1	*	-62.3	4.9	2.6	-59.9	69.9	33.0	45.0
1572.0	V	13.2	*	-63.3	4.9	2.6	-60.9	70.9	33.0	45.0
2096.0	H	13.8	*	-58.8	5.3	2.9	-56.4	66.4	33.0	45.0
2096.0	V	15.5	*	-56.2	5.3	2.9	-53.8	63.8	33.0	45.0
2620.0	H	14.4	*	-57.8	5.3	3.1	-55.6	65.6	33.0	45.0
2620.0	V	15.1	*	-56.0	5.3	3.1	-53.8	63.8	33.0	45.0
3144.0	H	13.5	*	-55.1	5.7	3.4	-52.8	62.8	33.0	45.0
3144.0	V	14.0	*	-52.8	5.7	3.4	-50.5	60.5	33.0	45.0
3668.0	H	14.6	*	-53.3	6.7	3.8	-50.4	60.4	33.0	45.0
3668.0	V	14.6	*	-52.9	6.7	3.8	-50.0	60.0	33.0	45.0
4192.0	H	14.1	*	-52.4	7.5	4.2	-49.0	59.0	33.0	45.0
4192.0	V	13.8	*	-51.9	7.5	4.2	-48.5	58.5	33.0	45.0
4716.0	H	15.5	*	-48.7	8.1	4.5	-45.1	55.1	33.0	45.0
4716.0	V	15.2	*	-50.6	8.1	4.5	-47.0	57.0	33.0	45.0
5240.0	H	15.4	*	-46.2	7.6	4.8	-43.4	53.4	33.0	45.0
5240.0	V	16.3	*	-46.8	7.6	4.8	-44.0	54.0	33.0	45.0



* - Ambient

ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Loss (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 1
 SPECIFICATION : FCC-74 and RSS-123 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 524MHz, 50mW (17dBm)
 UNIT : B
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GX1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB	RSS-123 Min. Attn. dB
1048.0	H	16.1		-59.9	2.4	2.0	-59.5	76.5	33.0	45.0
1048.0	V	17.0		-58.7	2.4	2.0	-58.3	75.3	33.0	45.0
1572.0	H	15.1	*	-62.0	4.9	2.6	-59.6	76.6	33.0	45.0
1572.0	V	13.5	*	-63.3	4.9	2.6	-60.9	77.9	33.0	45.0
2096.0	H	13.5	*	-58.8	5.3	2.9	-56.4	73.4	33.0	45.0
2096.0	V	13.9	*	-57.8	5.3	2.9	-55.4	72.4	33.0	45.0
2620.0	H	15.0	*	-57.8	5.3	3.1	-55.6	72.6	33.0	45.0
2620.0	V	15.6	*	-55.1	5.3	3.1	-52.9	69.9	33.0	45.0
3144.0	H	15.0	*	-53.1	5.7	3.4	-50.8	67.8	33.0	45.0
3144.0	V	14.7	*	-51.8	5.7	3.4	-49.5	66.5	33.0	45.0
3668.0	H	14.1	*	-53.9	6.7	3.8	-51.0	67.9	33.0	45.0
3668.0	V	15.1	*	-51.7	6.7	3.8	-48.8	65.7	33.0	45.0
4192.0	H	14.7	*	-51.4	7.5	4.2	-48.0	65.0	33.0	45.0
4192.0	V	15.5	*	-50.0	7.5	4.2	-46.6	63.6	33.0	45.0
4716.0	H	15.2	*	-49.2	8.1	4.5	-45.6	62.6	33.0	45.0
4716.0	V	15.1	*	-51.1	8.1	4.5	-47.5	64.5	33.0	45.0
5240.0	H	16.9	*	-44.4	7.6	4.8	-41.6	58.6	33.0	45.0
5240.0	V	15.8	*	-48.0	7.6	4.8	-45.2	62.2	33.0	45.0



* - Ambient

ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Loss (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 1
 SPECIFICATION : FCC-74 and RSS-123 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 524MHz, 100mW (20dBm)
 UNIT : B
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GX1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB	RSS-123 Min. Attn. dB
1048.0	H	17.6		-58.1	2.4	2.0	-57.7	77.7	33.0	45.0
1048.0	V	18.3		-57.3	2.4	2.0	-56.9	76.9	33.0	45.0
1572.0	H	14.7	*	-63.1	4.9	2.6	-60.7	80.7	33.0	45.0
1572.0	V	15.4	*	-61.0	4.9	2.6	-58.6	78.6	33.0	45.0
2096.0	H	13.7	*	-58.8	5.3	2.9	-56.4	76.4	33.0	45.0
2096.0	V	15.0	*	-56.4	5.3	2.9	-54.0	74.0	33.0	45.0
2620.0	H	14.6	*	-57.8	5.3	3.1	-55.6	75.6	33.0	45.0
2620.0	V	15.5	*	-55.1	5.3	3.1	-52.9	72.9	33.0	45.0
3144.0	H	13.7	*	-55.1	5.7	3.4	-52.8	72.8	33.0	45.0
3144.0	V	14.7	*	-51.8	5.7	3.4	-49.5	69.5	33.0	45.0
3668.0	H	13.5	*	-54.7	6.7	3.8	-51.8	71.8	33.0	45.0
3668.0	V	13.5	*	-54.1	6.7	3.8	-51.2	71.2	33.0	45.0
4192.0	H	13.8	*	-52.6	7.5	4.2	-49.2	69.2	33.0	45.0
4192.0	V	14.4	*	-51.1	7.5	4.2	-47.7	67.7	33.0	45.0
4716.0	H	15.0	*	-49.8	8.1	4.5	-46.2	66.2	33.0	45.0
4716.0	V	14.4	*	-51.7	8.1	4.5	-48.1	68.1	33.0	45.0
5240.0	H	15.6	*	-46.2	7.6	4.8	-43.4	63.4	33.0	45.0
5240.0	V	16.1	*	-46.8	7.6	4.8	-44.0	64.0	33.0	45.0



* - Ambient

ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Loss (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 1
 SPECIFICATION : FCC-74 and RSS-123 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 614MHz, 10mW (10dBm)
 UNIT : C
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GX1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB	RSS-123 Min. Attn. dB
1228.0	H	15.7	*	-64.2	3.8	2.2	-62.7	72.7	33.0	45.0
1228.0	V	23.8		-51.5	3.8	2.2	-50.0	60.0	33.0	45.0
1842.0	H	14.4	*	-62.2	5.2	2.8	-59.8	69.8	33.0	45.0
1842.0	V	15.9	*	-57.4	5.2	2.8	-55.0	65.0	33.0	45.0
2456.0	H	14.7	*	-57.1	5.8	3.1	-54.4	64.4	33.0	45.0
2456.0	V	15.9	*	-61.7	5.8	3.1	-59.0	69.0	33.0	45.0
3070.0	H	15.2	*	-57.0	5.9	3.3	-54.4	64.4	33.0	45.0
3070.0	V	14.7	*	-56.4	5.9	3.3	-53.8	63.8	33.0	45.0
3684.0	H	14.9	*	-54.2	6.8	3.8	-51.2	61.2	33.0	45.0
3684.0	V	15.1	*	-57.0	6.8	3.8	-54.0	64.0	33.0	45.0
4298.0	H	15.2	*	-60.6	7.8	4.2	-57.1	67.1	33.0	45.0
4298.0	V	15.1	*	-56.0	7.8	4.2	-52.5	62.5	33.0	45.0
4912.0	H	16.2	*	-49.6	8.0	4.6	-46.3	56.3	33.0	45.0
4912.0	V	16.5	*	-53.9	8.0	4.6	-50.6	60.6	33.0	45.0
5526.0	H	17.9	*	-40.3	7.1	5.0	-38.2	48.2	33.0	45.0
5526.0	V	18.1	*	-41.7	7.1	5.0	-39.6	49.6	33.0	45.0
6140.0	H	18.5	*	-41.3	8.1	5.4	-38.6	48.6	33.0	45.0
6140.0	V	19.1	*	-41.7	8.1	5.4	-39.0	49.0	33.0	45.0



* - Ambient

ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Loss (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 1
 SPECIFICATION : FCC-74 and RSS-123 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 614MHz, 50mW (17dBm)
 UNIT : C
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GX1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB	RSS-123 Min. Attn. dB
1228.0	H	15.7	*	-66.3	3.8	2.2	-64.8	81.7	33.0	45.0
1228.0	V	23.8		-51.5	3.8	2.2	-50.0	66.9	33.0	45.0
1842.0	H	14.4	*	-65.4	5.2	2.8	-63.0	80.0	33.0	45.0
1842.0	V	15.9	*	-57.4	5.2	2.8	-55.0	72.0	33.0	45.0
2456.0	H	14.7	*	-65.2	5.8	3.1	-62.5	79.5	33.0	45.0
2456.0	V	15.9	*	-61.7	5.8	3.1	-59.0	76.0	33.0	45.0
3070.0	H	15.2	*	-57.0	5.9	3.3	-54.4	71.4	33.0	45.0
3070.0	V	14.7	*	-56.4	5.9	3.3	-53.8	70.8	33.0	45.0
3684.0	H	14.9	*	-54.2	6.8	3.8	-51.2	68.2	33.0	45.0
3684.0	V	15.1	*	-57.0	6.8	3.8	-54.0	71.0	33.0	45.0
4298.0	H	15.2	*	-60.6	7.8	4.2	-57.1	74.1	33.0	45.0
4298.0	V	15.1	*	-56.0	7.8	4.2	-52.5	69.5	33.0	45.0
4912.0	H	16.2	*	-49.6	8.0	4.6	-46.3	63.3	33.0	45.0
4912.0	V	16.5	*	-53.9	8.0	4.6	-50.6	67.6	33.0	45.0
5526.0	H	17.9	*	-40.3	7.1	5.0	-38.2	55.2	33.0	45.0
5526.0	V	18.1	*	-41.7	7.1	5.0	-39.6	56.6	33.0	45.0
6140.0	H	18.5	*	-41.3	8.1	5.4	-38.6	55.6	33.0	45.0
6140.0	V	19.1	*	-41.7	8.1	5.4	-39.0	56.0	33.0	45.0



* - Ambient

ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Loss (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 1
 SPECIFICATION : FCC-74 and RSS-123 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 614MHz, 100mW (20dBm)
 UNIT : C
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GX1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB	RSS-123 Min. Attn. dB
1228.0	H	19.4		-58.2	3.8	2.2	-56.7	76.7	33.0	45.0
1228.0	V	34.0		-40.1	3.8	2.2	-38.6	58.6	33.0	45.0
1842.0	H	15.6		-62.0	5.2	2.8	-59.6	79.6	33.0	45.0
1842.0	V	22.6		-49.7	5.2	2.8	-47.3	67.3	33.0	45.0
2456.0	H	16.1		-53.5	5.8	3.1	-50.8	70.8	33.0	45.0
2456.0	V	17.0		-57.2	5.8	3.1	-54.5	74.5	33.0	45.0
3070.0	H	17.6		-54.7	5.9	3.3	-52.1	72.1	33.0	45.0
3070.0	V	15.2		-56.4	5.9	3.3	-53.8	73.8	33.0	45.0
3684.0	H	15.9	*	-54.2	6.8	3.8	-51.2	71.2	33.0	45.0
3684.0	V	14.8	*	-57.0	6.8	3.8	-54.0	74.0	33.0	45.0
4298.0	H	15.4	*	-60.6	7.8	4.2	-57.1	77.1	33.0	45.0
4298.0	V	16.2	*	-56.0	7.8	4.2	-52.5	72.5	33.0	45.0
4912.0	H	15.9	*	-49.6	8.0	4.6	-46.3	66.3	33.0	45.0
4912.0	V	15.4	*	-53.9	8.0	4.6	-50.6	70.6	33.0	45.0
5526.0	H	18.1	*	-39.9	7.1	5.0	-37.8	57.8	33.0	45.0
5526.0	V	16.5	*	-43.3	7.1	5.0	-41.2	61.2	33.0	45.0
6140.0	H	17.7	*	-42.1	8.1	5.4	-39.4	59.4	33.0	45.0
6140.0	V	18.4	*	-42.8	8.1	5.4	-40.1	60.1	33.0	45.0



* - Ambient

ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Loss (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 2
 SPECIFICATION : FCC-74 and RSS-123 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 674MHz, 10mW (10dBm)
 UNIT : D
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GX1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB	RSS-123 Min. Attn. dB
1348.0	H	16.1		-68.9	4.3	2.4	-66.9	76.9	33.0	45.0
1348.0	V	21.0		-55.0	4.3	2.4	-53.0	63.0	33.0	45.0
2022.0	H	14.9	*	-65.3	5.3	2.9	-62.9	72.9	33.0	45.0
2022.0	V	14.9	*	-57.0	5.3	2.9	-54.6	64.6	33.0	45.0
2696.0	H	16.2	*	-57.5	5.8	3.1	-54.8	64.8	33.0	45.0
2696.0	V	16.3	*	-56.6	5.8	3.1	-53.9	63.9	33.0	45.0
3370.0	H	14.0	*	-58.3	6.5	3.6	-55.4	65.4	33.0	45.0
3370.0	V	15.0	*	-58.7	6.5	3.6	-55.8	65.8	33.0	45.0
4044.0	H	15.4	*	-54.2	7.1	4.1	-51.2	61.2	33.0	45.0
4044.0	V	15.7	*	-57.0	7.1	4.1	-54.0	64.0	33.0	45.0
4718.0	H	15.0	*	-60.6	8.1	4.5	-57.0	67.0	33.0	45.0
4718.0	V	15.9	*	-56.0	8.1	4.5	-52.4	62.4	33.0	45.0
5392.0	H	17.6	*	-49.6	7.2	4.9	-47.3	57.3	33.0	45.0
5392.0	V	17.2	*	-53.9	7.2	4.9	-51.6	61.6	33.0	45.0
6066.0	H	19.2	*	-40.7	8.0	5.4	-38.1	48.1	33.0	45.0
6066.0	V	19.2	*	-41.4	8.0	5.4	-38.8	48.8	33.0	45.0
6740.0	H	18.4	*	-40.6	8.4	5.9	-38.1	48.1	33.0	45.0
6740.0	V	18.4	*	-42.5	8.4	5.9	-40.0	50.0	33.0	45.0



* - Ambient

ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Loss (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 2
 SPECIFICATION : FCC-74 and RSS-123 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 674MHz, 50mW (17dBm)
 UNIT : D
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GX1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB	RSS-123 Min. Attn. dB
1348.0	H	14.3	*	-68.9	4.3	2.4	-66.9	83.9	45.0	33.0
1348.0	V	26.0		-49.1	4.3	2.4	-47.1	64.1	45.0	33.0
2022.0	H	14.9		-65.3	5.3	2.9	-62.9	79.9	45.0	33.0
2022.0	V	27.2		-43.1	5.3	2.9	-40.7	57.7	45.0	33.0
2696.0	H	15.8	*	-57.5	5.8	3.1	-54.8	71.8	45.0	33.0
2696.0	V	16.3	*	-57.6	5.8	3.1	-54.9	71.9	45.0	33.0
3370.0	H	14.5	*	-58.3	6.5	3.6	-55.4	72.4	45.0	33.0
3370.0	V	15.0	*	-58.7	6.5	3.6	-55.8	72.8	45.0	33.0
4044.0	H	15.6	*	-54.2	7.1	4.1	-51.2	68.2	45.0	33.0
4044.0	V	15.4	*	-57.0	7.1	4.1	-54.0	71.0	45.0	33.0
4718.0	H	15.0	*	-60.6	8.1	4.5	-57.0	74.0	45.0	33.0
4718.0	V	15.0	*	-56.0	8.1	4.5	-52.4	69.4	45.0	33.0
5392.0	H	17.5	*	-49.6	7.2	4.9	-47.3	64.3	45.0	33.0
5392.0	V	17.7	*	-53.9	7.2	4.9	-51.6	68.6	45.0	33.0
6066.0	H	19.4	*	-40.0	8.0	5.4	-37.4	54.3	45.0	33.0
6066.0	V	19.2	*	-41.4	8.0	5.4	-38.8	55.7	45.0	33.0
6740.0	H	18.8	*	-40.4	8.4	5.9	-37.9	54.9	45.0	33.0
6740.0	V	18.7	*	-42.2	8.4	5.9	-39.7	56.7	45.0	33.0



* - Ambient

ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Loss (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 2
 SPECIFICATION : FCC-74 and RSS-123 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 674MHz, 100mW (20dBm)
 UNIT : D
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GX1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB	RSS-123 Min. Attn. dB
1348.0	H	16.4		-65.8	4.3	2.4	-63.8	83.8	33.0	45.0
1348.0	V	31.0		-43.3	4.3	2.4	-41.3	61.3	33.0	45.0
2022.0	H	14.6		-68.9	5.3	2.9	-66.5	86.5	33.0	45.0
2022.0	V	35.4		-35.1	5.3	2.9	-32.7	52.7	33.0	45.0
2696.0	H	18.1		-57.5	5.8	3.1	-54.8	74.8	33.0	45.0
2696.0	V	19.0		-53.3	5.8	3.1	-50.6	70.6	33.0	45.0
3370.0	H	14.6	*	-58.3	6.5	3.6	-55.4	75.4	33.0	45.0
3370.0	V	15.0	*	-58.7	6.5	3.6	-55.8	75.8	33.0	45.0
4044.0	H	15.2	*	-54.2	7.1	4.1	-51.2	71.2	33.0	45.0
4044.0	V	15.3	*	-57.0	7.1	4.1	-54.0	74.0	33.0	45.0
4718.0	H	15.8	*	-60.6	8.1	4.5	-57.0	77.0	33.0	45.0
4718.0	V	15.8	*	-56.0	8.1	4.5	-52.4	72.4	33.0	45.0
5392.0	H	17.7	*	-49.6	7.2	4.9	-47.3	67.3	33.0	45.0
5392.0	V	17.1	*	-53.9	7.2	4.9	-51.6	71.6	33.0	45.0
6066.0	H	19.8	*	-39.7	8.0	5.4	-37.1	57.1	33.0	45.0
6066.0	V	19.6	*	-40.9	8.0	5.4	-38.3	58.3	33.0	45.0
6740.0	H	18.1	*	-41.5	8.4	5.9	-39.0	59.0	33.0	45.0
6740.0	V	18.4	*	-42.5	8.4	5.9	-40.0	60.0	33.0	45.0



* - Ambient

ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Loss (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 1
 SPECIFICATION : FCC-74 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 948MHz, 10mW (10dBm)
 UNIT : J
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GX1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB
1896.0	H	15.4		-64.8	5.2	2.8	-62.4	72.4	33
1896.0	V	17.2		-58.9	5.2	2.8	-56.5	66.5	33
2844.0	H	14.9		-62.1	5.8	3.2	-59.5	69.5	33
2844.0	V	15.4		-60.9	5.8	3.2	-58.3	68.3	33
3792.0	H	16.1		-54.2	6.9	3.9	-51.2	61.2	33
3792.0	V	15.6		-60.6	6.9	3.9	-57.6	67.6	33
4740.0	H	14.7	*	-61.7	8.1	4.5	-58.1	68.1	33
4740.0	V	15.5	*	-51.3	8.1	4.5	-47.7	57.7	33
5688.0	H	17.0	*	-55.7	7.4	5.1	-53.5	63.5	33
5688.0	V	17.3	*	-50.0	7.4	5.1	-47.8	57.8	33
6636.0	H	18.0	*	-44.5	8.6	5.8	-41.7	51.7	33
6636.0	V	18.0	*	-46.2	8.6	5.8	-43.4	53.4	33
7584.0	H	29.0	*	-35.0	7.9	6.2	-33.3	43.3	33
7584.0	V	28.9	*	-35.2	7.9	6.2	-33.5	43.5	33
8532.0	H	28.1	*	-36.2	8.8	6.7	-34.1	44.1	33
8532.0	V	28.5	*	-36.3	8.8	6.7	-34.2	44.2	33
9480.0	H	29.6	*	-35.5	9.1	6.9	-33.3	43.3	33
9480.0	V	27.8	*	-36.1	9.1	6.9	-33.9	43.9	33



* - Ambient

ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Loss (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 1
 SPECIFICATION : FCC-74 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 948MHz, 50mW (17dBm)
 UNIT : J
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GX1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB
1896.0	H	15.4		-65.1	5.2	2.8	-62.7	79.7	33
1896.0	V	16.5		-56.8	5.2	2.8	-54.4	71.4	33
2844.0	H	17.2		-59.8	5.8	3.2	-57.2	74.2	33
2844.0	V	19.1		-50.2	5.8	3.2	-47.6	64.6	33
3792.0	H	15.4	*	-54.2	6.9	3.9	-51.2	68.2	33
3792.0	V	15.2	*	-53.8	6.9	3.9	-50.8	67.8	33
4740.0	H	15.7	*	-61.7	8.1	4.5	-58.1	75.1	33
4740.0	V	15.5	*	-51.3	8.1	4.5	-47.7	64.7	33
5688.0	H	18.0	*	-55.7	7.4	5.1	-53.5	70.4	33
5688.0	V	18.0	*	-50.0	7.4	5.1	-47.8	64.7	33
6636.0	H	18.7	*	-43.1	8.6	5.8	-40.3	57.3	33
6636.0	V	19.1	*	-44.4	8.6	5.8	-41.6	58.6	33
7584.0	H	30.4	*	-35.2	7.9	6.2	-33.5	50.5	33
7584.0	V	30.2	*	-35.4	7.9	6.2	-33.7	50.7	33
8532.0	H	28.7	*	-35.5	8.8	6.7	-33.4	50.4	33
8532.0	V	28.8	*	-35.4	8.8	6.7	-33.3	50.3	33
9480.0	H	28.6	*	-35.5	9.1	6.9	-33.3	50.3	33
9480.0	V	28.2	*	-35.4	9.1	6.9	-33.2	50.2	33



* - Ambient

ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Loss (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



MANUFACTURER : Shure Inc.
 MODEL : P9T Transmitter
 SERIAL NO. : 1
 SPECIFICATION : FCC-74 Spurious Radiated Emissions
 DATE : October 26, 2009 through December 3, 2009
 MODE : Transmit at 948MHz, 100mW (20dBm)
 UNIT : J
 EQUIPMENT USED : RBB0, NTA0, NWH0, NDQ0, NWF0, GRE0, GX1

Freq. MHz	Ant Pol	Meter Reading dBuV	Amb	Matched Sig Gen dBm	Antenna Gain dB	Cable Factor dB	ERP Total dBm	Atten. dB	Part 74 Min. Attn. dB
1896.0	H	18.7		-51.9	5.2	2.8	-49.5	69.5	33
1896.0	V	18.0		-52.0	5.2	2.8	-49.6	69.6	33
2844.0	H	18.3		-56.8	5.8	3.2	-54.2	74.2	33
2844.0	V	19.7		-48.0	5.8	3.2	-45.4	65.4	33
3792.0	H	16.1	*	-54.2	6.9	3.9	-51.2	71.2	33
3792.0	V	17.1	*	-53.8	6.9	3.9	-50.8	70.8	33
4740.0	H	16.1	*	-61.7	8.1	4.5	-58.1	78.1	33
4740.0	V	15.6	*	-51.3	8.1	4.5	-47.7	67.7	33
5688.0	H	18.9	*	-55.7	7.4	5.1	-53.5	73.5	33
5688.0	V	17.8	*	-50.0	7.4	5.1	-47.8	67.8	33
6636.0	H	19.1	*	-42.5	8.6	5.8	-39.7	59.7	33
6636.0	V	19.0	*	-44.5	8.6	5.8	-41.7	61.7	33
7584.0	H	30.1	*	-36.0	7.9	6.2	-34.3	54.3	33
7584.0	V	30.6	*	-35.7	7.9	6.2	-34.0	54.0	33
8532.0	H	28.3	*	-36.0	8.8	6.7	-33.9	53.9	33
8532.0	V	29.3	*	-35.1	8.8	6.7	-33.0	53.0	33
9480.0	H	28.2	*	-35.4	9.1	6.9	-33.2	53.2	33
9480.0	V	27.9	*	-36.0	9.1	6.9	-33.8	53.8	33



* - Ambient

ERP Total (dBm) = Matched Sig Gen (dBm) + Antenna Gain (dB) – Cable Loss (dB)

Atten. (dB) = Output Power (dBm) – ERP (dBm)

Checked By: MARK E. LONGINOTTI
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