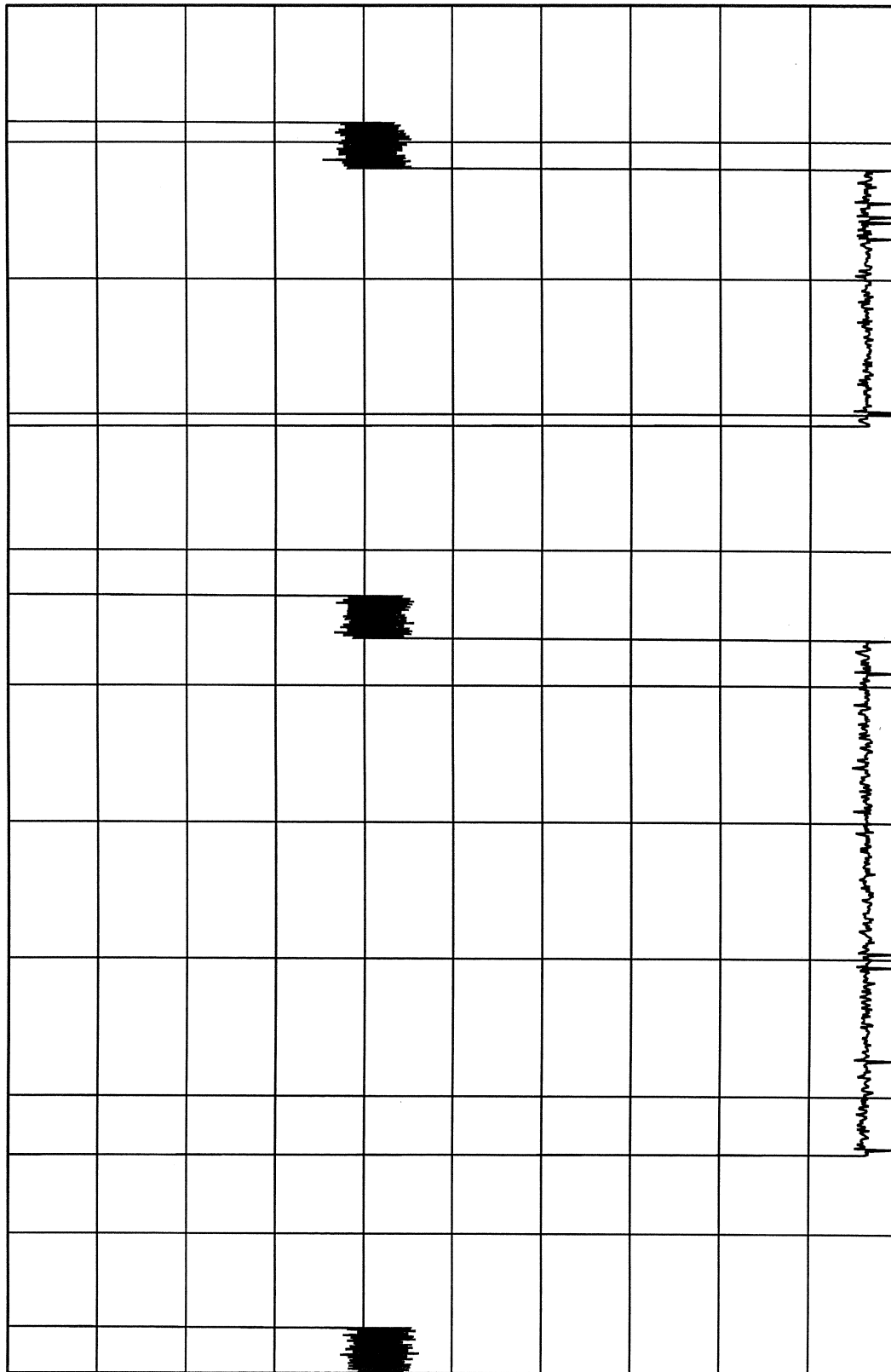


ELITE ELECTRONIC ENGINEERING Co.
 Downers Grove, IL 60515

ETR 31149-01



10 mSEC/DIV

TRANSMITTER DUTY CYCLE
 FREQUENCY: 439.7667 MHz
 ON TIME : 43.457 mSEC
 OFF TIME : 56.543 mSEC
 DUTY CYCLE = .43 or -7.33 dB
 COMPUTED OVER 100 mSEC

MANUFACTURER : TELEMOTIVE
 MODEL : TELEPILOT V1.0
 S/N : NONE ASSIGNED
 TEST DATE : 2 Jul 2002
 NOTES : INCLUDES 9000 SYSTEMS

[illegible]

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TRANSMITTER DUTY CYCLE
FREQUENCY: 449.8983 MHz
ON TIME : 92.308 mSEC
OFF TIME : 7.692 mSEC
DUTY CYCLE = .92 or -.72 dB
COMPUTED OVER 100 mSEC

MANUFACTURER : TELEMOTIVE
MODEL : TELEPILOT V1.0
S/N : NONE ASSIGNED
TEST DATE : 2 Jul 2002
NOTES : INCLUDES 9000 SYSTEMS

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51R 31149-01

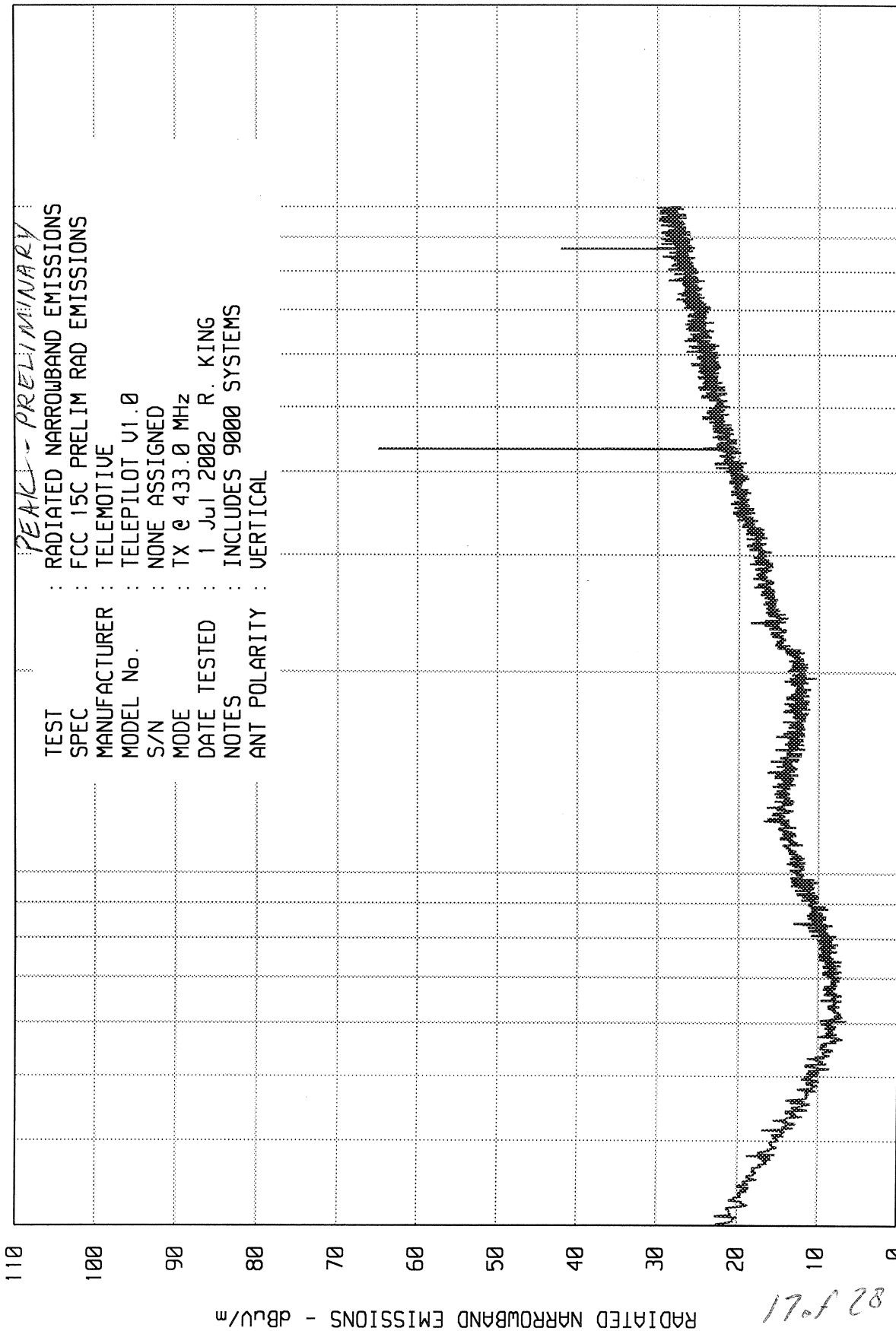
ETC 31149-01

ELITE ELECTRONIC ENGINEERING Inc.

Downers Grove, Ill. 60515

UNIU_EM RUN RUN 2

WKAO 06/18/02



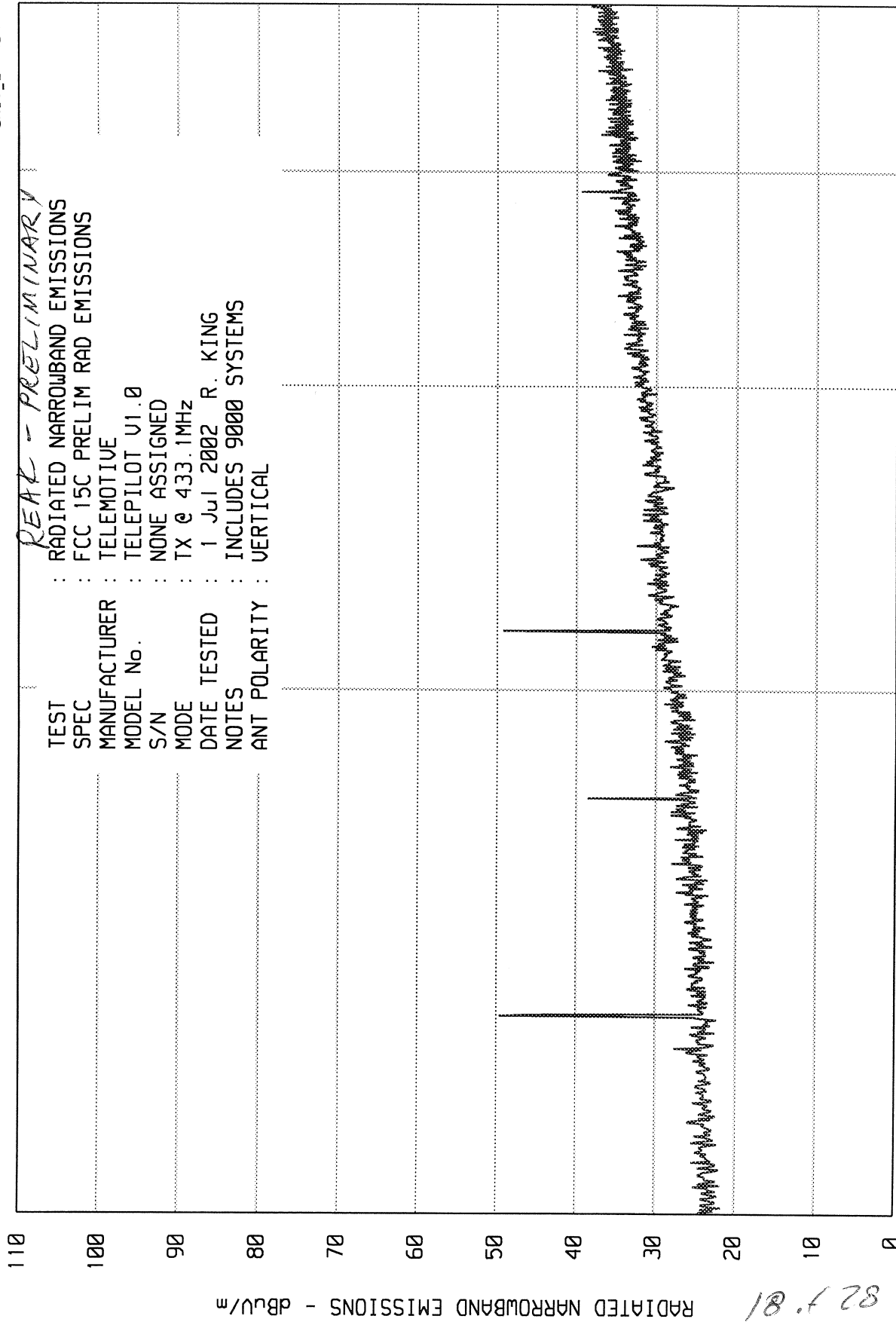
ETC 31199-01

ELITE ELECTRONIC ENGINEERING Inc.

Downers Grove, Ill. 60515

WKA0 06/18/02

UNITV_EM RUN RUN 1



START = 1000

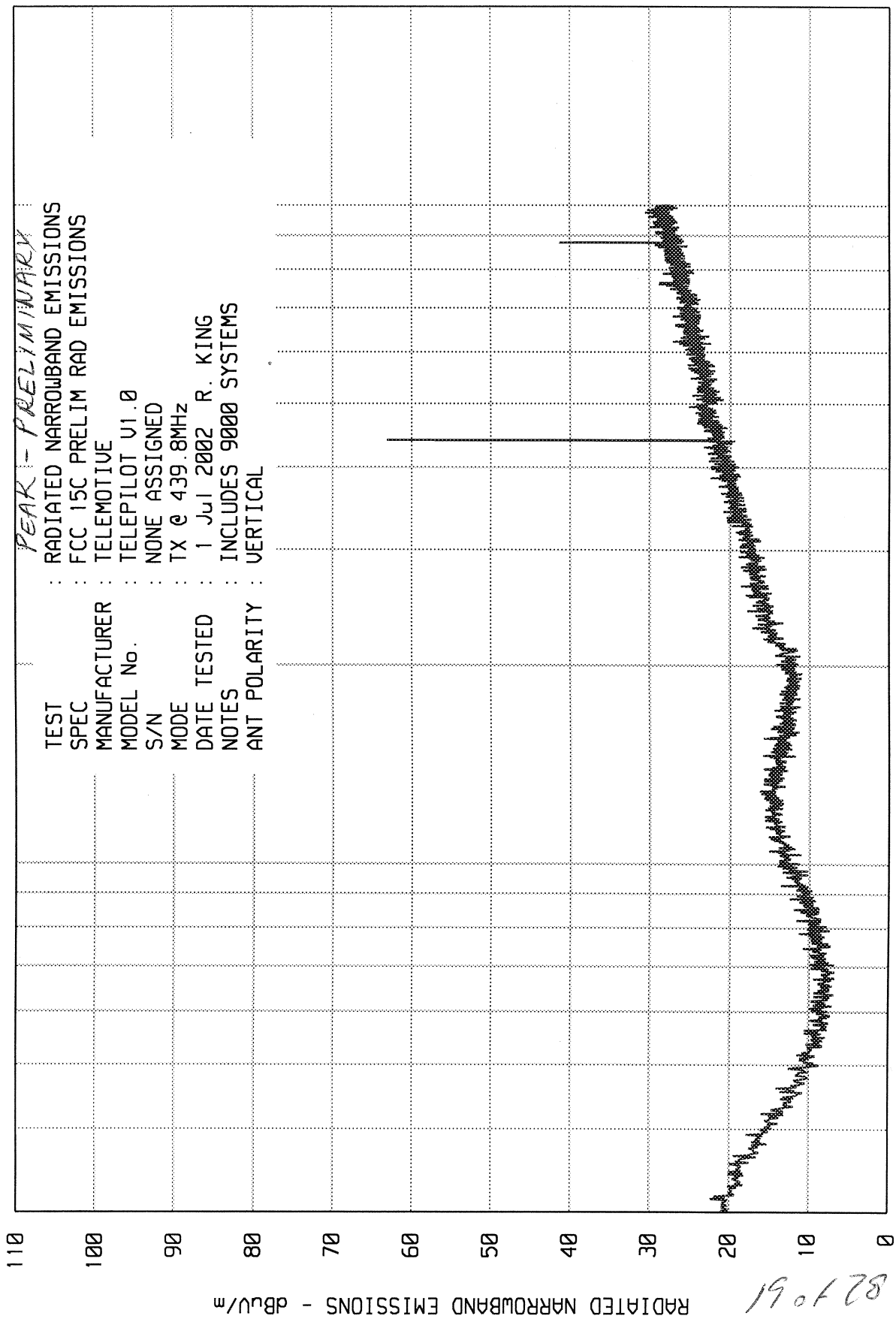
FREQUENCY - MHz

STOP = 5000

ELITE ELECTRONIC ENGINEERING Inc. Downers Grove, Ill. 60515

UNIU_EM RUN RUN 2

UKA0 06/18/02



START = 30 STOP = 2000

ETC 31149-01

1572 31149-01

ELITE ELECTRONIC ENGINEERING Inc.

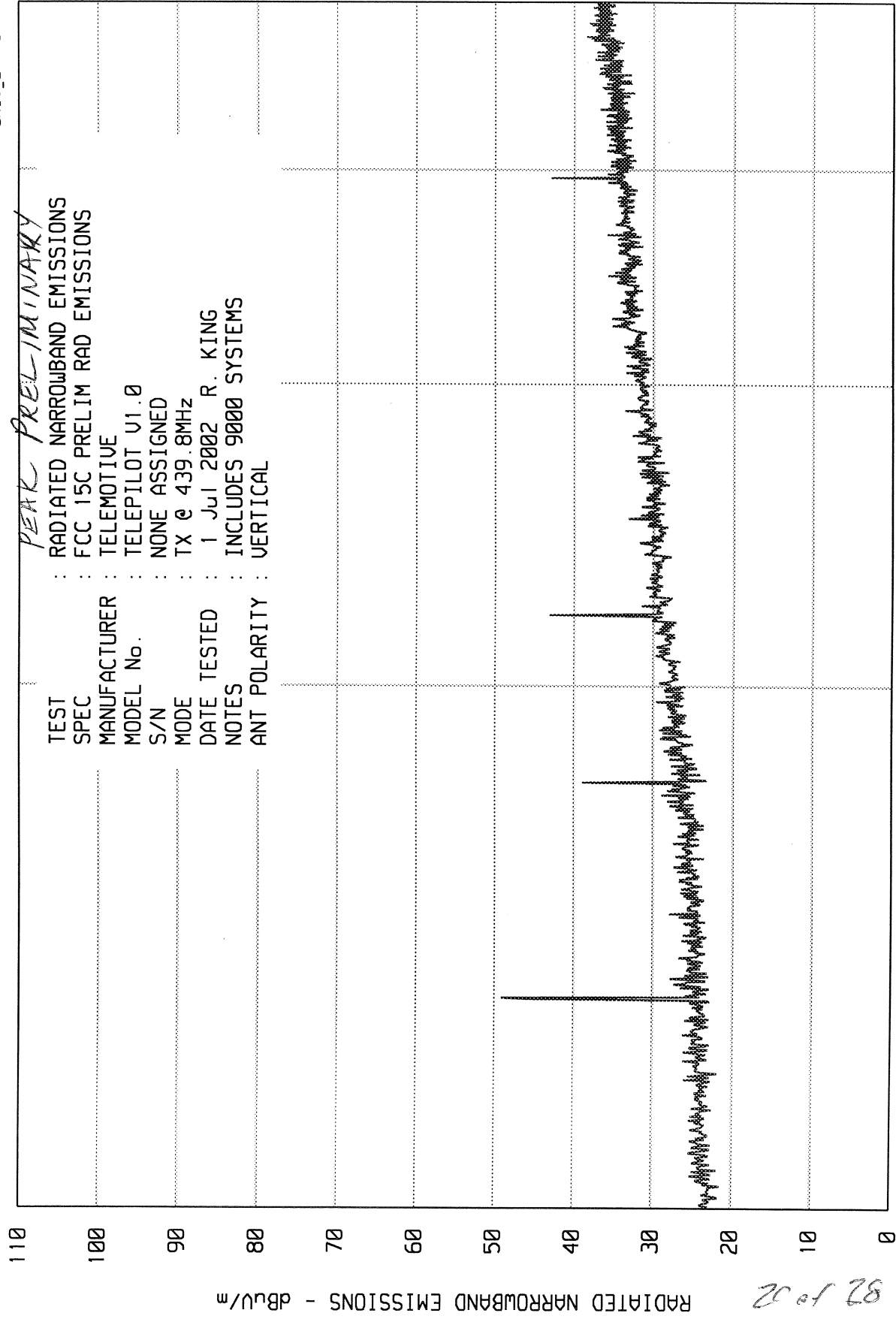
Downers Grove, Ill. 60515

UNITV_EM RUN RUN 1

UKA00 06/18/02

PEAK PRELIMINARY

TEST : RADIATED NARROWBAND EMISSIONS
SPEC : FCC 15C PRELIM RAD EMISSIONS
MANUFACTURER : TELEMOTIVE
MODEL No. : TELEPILOT VI.0
S/N : NONE ASSIGNED
MODE : TX @ 439.8MHz
DATE TESTED : 1 Jul 2002 R. KING
NOTES : INCLUDES 9000 SYSTEMS
ANT POLARITY : VERTICAL



START = 1000

FREQUENCY - MHz

STOP = 5000

02 Jul 02

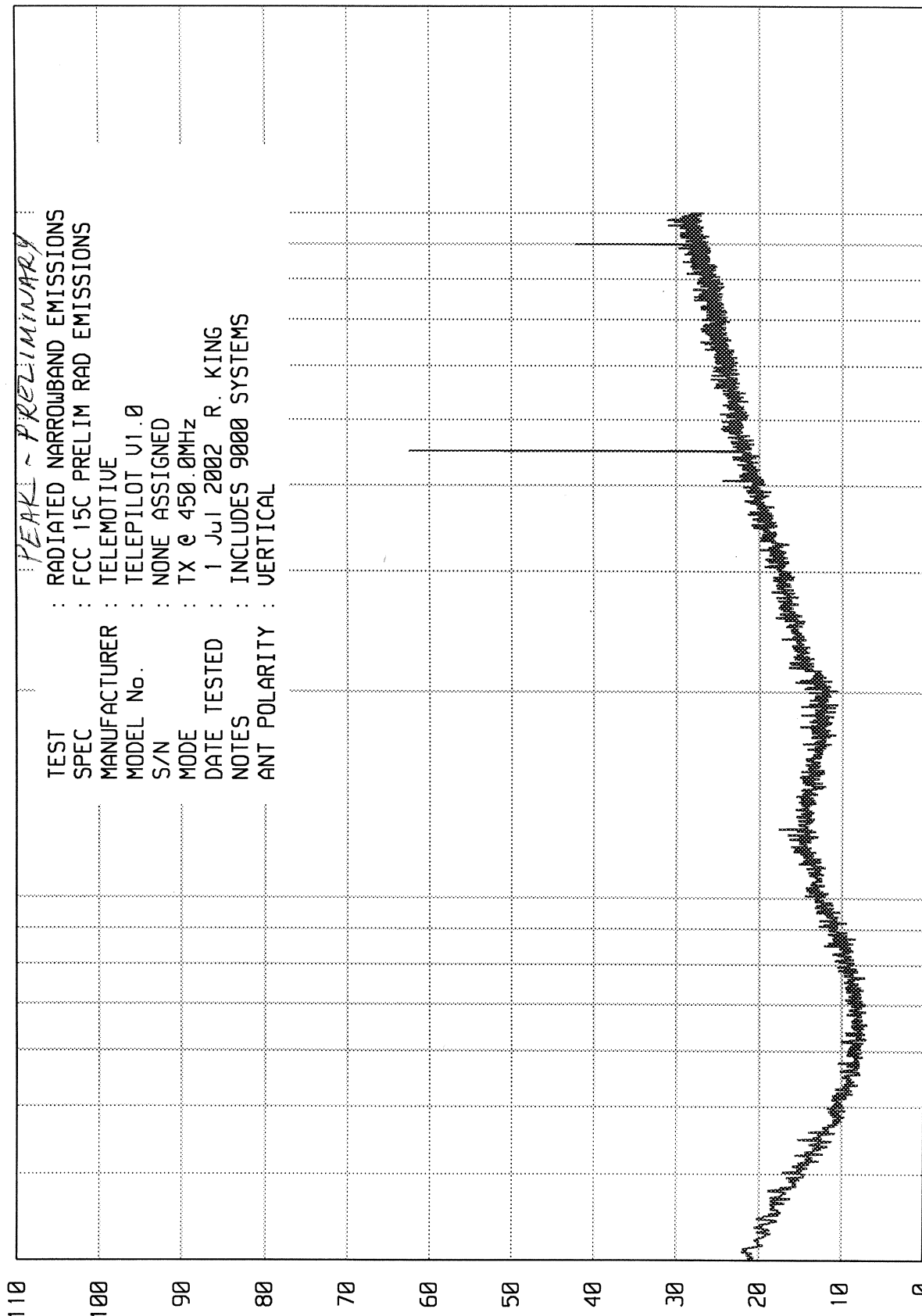
ETC 31149-01

ELITE ELECTRONIC ENGINEERING Inc.

Downers Grove, Ill. 60515

UNIV_EM RUN RUN 2

WKAO 06/18/02



RADIATED NARROWBAND EMISSIONS - dBu/m

824012

START = 30

FREQUENCY - MHz

STOP = 2000

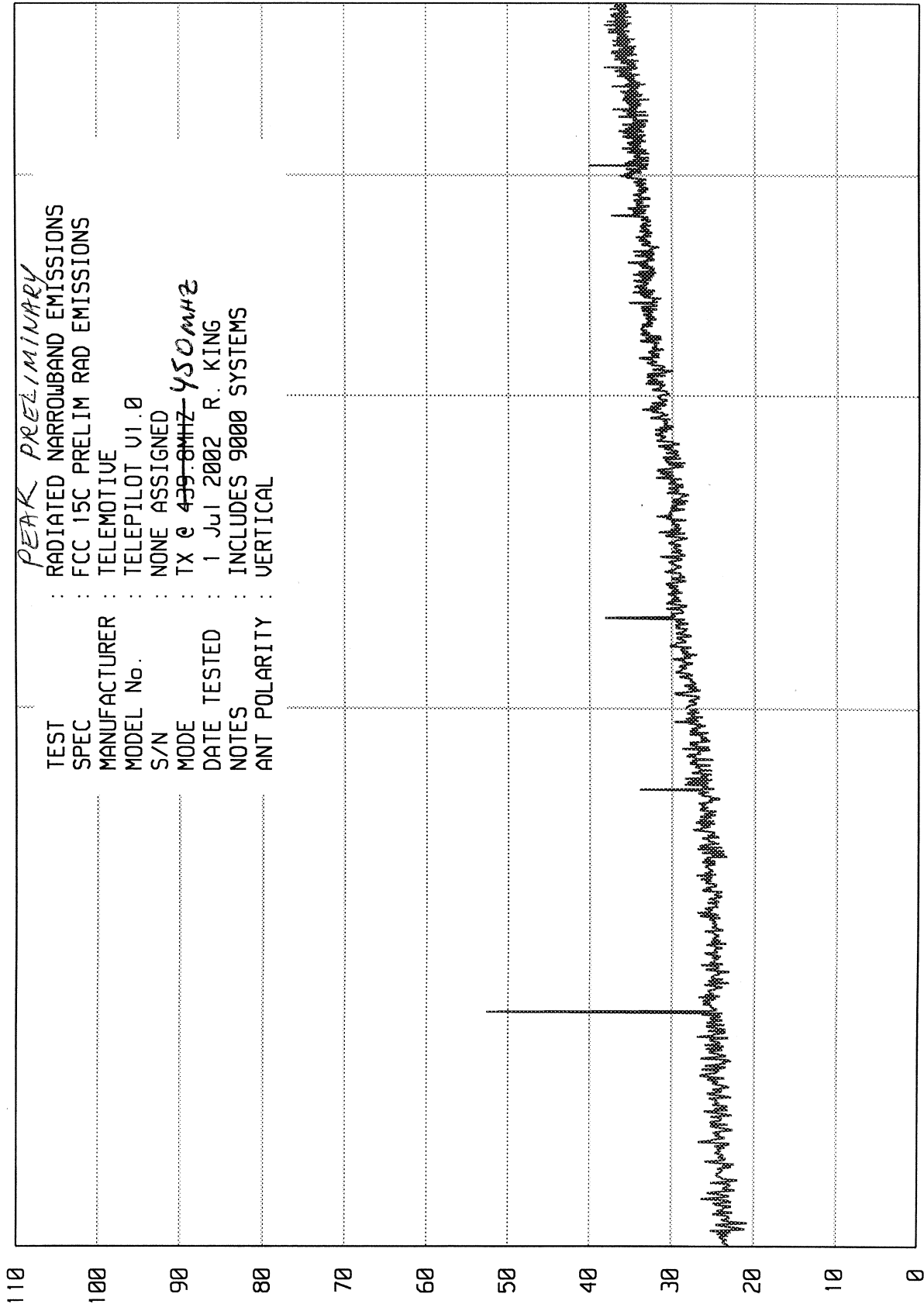
ETR 31199-01

ELITE ELECTRONIC ENGINEERING Inc.

Downers Grove, Ill. 60515

WKA0 06/18/02

UNITV_EM RUN RUN 1



START = 1000

FREQUENCY - MHz

STOP = 5000

ETR No. 31149-01
DATA PAGE

SPECIFICATION : FCC PART 15C (REV OCT 1, 94) TRANSMITTER OPEN FIELD DATA
MANUFACTURER : TELEMOTIVE
MODEL : TELEPILOT V1.0
S/N : NONE ASSIGNED
TEST DATE : JULY 2, 2002
NOTES : INCLUDES 9000 SYSTEMS
TEST ANTENNA : ROBERTS DIPOLE & DRWG ANTENNAS

FREQUENCY MHz	ANT POL	MTR RDG dBuV	CBL FAC dB	ANT FAC dB	DUTY CYCLE dB	TOTAL dBuV/m @3m	TOTAL uV/m @3m	LIMIT uV/m @3m	NOTES
433.10	H	53.7	2.3	21.3	-7.1	70.1	3201.8	10962.5	
433.10	V	42.5	2.3	21.3	-7.1	58.9	881.9	10962.5	
866.00	H	23.3	3.2	27.4	-7.1	46.8	217.8	1096.3	
866.00	V	20.2	3.2	27.4	-7.1	43.7	152.4	1096.3	
1299.30	H	30.9	4.2	26.4	-7.1	54.3	520.6	1096.3	
1299.30	V	29.5	4.2	26.4	-7.1	52.9	443.1	1096.3	
1732.24	H	14.5	5.1	27.8	-7.1	40.3	102.9	1096.3	
1732.24	V	11.0	5.1	27.8	-7.1	36.8	68.8	1096.3	
2165.00	H	22.8	6.0	29.5	-7.1	51.2	361.2	1096.3	
2165.00	V	19.6	6.0	29.5	-7.1	48.0	249.9	1096.3	
2598.00	V	6.1	6.8	31.0	-7.1	36.7	68.7	1096.3	
2598.00	H	5.8	6.8	31.0	-7.1	36.4	66.4	1096.3	
3031.00	H	7.0	7.5	32.1	-7.1	39.5	94.9	1096.3	
3031.00	V	7.4	7.5	32.1	-7.1	39.9	99.4	1096.3	
3464.00	V	5.8	8.5	32.5	-7.1	39.6	96.0	1096.3	
3464.00	H	6.4	8.5	32.5	-7.1	40.2	102.8	1096.3	
3897.00	H	7.8	9.5	32.8	-7.1	42.9	140.4	500.0	*
3897.00	V	7.8	9.5	32.8	-7.1	42.9	140.4	500.0	*
4331.00	V	4.8	10.4	32.8	-7.1	40.9	111.1	500.0	*
4331.00	H	4.2	10.4	32.8	-7.1	40.3	103.6	500.0	*

* DENOTES A FREQUENCY CONFLICT WITH RESTRICTED BANDS

checked by:

Richard E King
R. KING

ETR No. 31149-01
DATA PAGE

SPECIFICATION : FCC PART 15C (REV OCT 1, 94) TRANSMITTER OPEN FIELD DATA
MANUFACTURER : TELEMOTIVE
MODEL : TELEPILOT V1.0
S/N : NONE ASSIGNED
TEST DATE : 2 Jul 2002
NOTES : INCLUDES 9000 SYSTEMS
TEST ANTENNA : ROBERTS DIPOLE & DRWG ANTENNAS

FREQUENCY MHz	ANT POL	MTR RDG dBuV	CBL FAC dB	ANT FAC dB	DUTY CYCLE dB	TOTAL dBuV/m @3m	TOTAL uV/m @3m	LIMIT uV/m @3m	NOTES
439.80	V	41.4	2.3	21.4	-7.3	57.8	772.4	11241.7	
439.80	H	52.3	2.3	21.4	-7.3	68.7	2709.3	11241.7	
879.60	V	19.5	3.3	27.4	-7.3	42.8	138.7	1124.2	
879.60	H	25.8	3.3	27.4	-7.3	49.1	286.5	1124.2	
1319.30	H	26.6	4.2	26.4	-7.3	49.9	312.9	500.0	*
1319.30	V	23.6	4.2	26.4	-7.3	46.9	221.5	500.0	*
1759.00	V	13.1	5.2	27.9	-7.3	38.8	87.3	1124.2	
1759.00	H	10.3	5.2	27.9	-7.3	36.0	63.3	1124.2	
2199.80	H	24.1	6.1	29.6	-7.3	52.5	419.4	1124.2	
2199.80	V	19.6	6.1	29.6	-7.3	48.0	249.8	1124.2	
2638.60	V	5.1	6.8	31.1	-7.3	35.7	61.2	1124.2	
2638.60	H	4.7	6.8	31.1	-7.3	35.3	58.4	1124.2	
3078.60	H	5.5	7.7	32.2	-7.3	38.0	79.3	1124.2	
3078.60	V	8.2	7.7	32.2	-7.3	40.7	108.3	1124.2	
3518.00	V	6.3	8.6	32.5	-7.3	40.1	101.2	1124.2	
3518.00	H	7.1	8.6	32.5	-7.3	40.9	111.0	1124.2	
3957.70	H	9.1	9.6	32.9	-7.3	44.2	162.7	500.0	*
3957.70	V	8.1	9.6	32.9	-7.3	43.2	145.0	500.0	*
4397.60	V	6.0	10.6	32.8	-7.3	42.0	126.5	500.0	*
4397.60	H	5.5	10.6	32.8	-7.3	41.5	119.5	500.0	*

* DENOTES A FREQUENCY CONFLICT WITH RESTRICTED BANDS

checked by:

Richard E. King
R. KING

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SPECIFICATION : FCC PART 15C(REV OCT 1, 94) TRANSMITTER OPEN FIELD DATA
 MANUFACTURER : TELEMOTIVE
 MODEL : TELEPILOT V1.0
 S/N : NONE ASSIGNED
 TEST DATE : 2 Jul 2002
 NOTES : INCLUDES 9000 SYSTEMS
 TEST ANTENNA : ROBERTS DIPOLE & DRWG ANTENNAS

FREQUENCY MHz	ANT POL	MTR RDG dBuV	CBL FAC dB	ANT FAC dB	DUTY CYCLE dB	TOTAL dBuV/m @3m	TOTAL uV/m @3m	LIMIT uV/m @3m	NOTES
450.00	H	45.5	2.3	21.6	-.7	68.7	2719.6	11666.7	
450.00	V	40.6	2.3	21.6	-.7	63.8	1547.0	11666.7	
900.00	H	29.4	3.3	27.5	-.7	59.5	941.9	1166.7	
900.00	V	25.0	3.3	27.5	-.7	55.1	567.5	1166.7	
1350.00	V	15.4	4.3	26.5	-.7	45.4	187.0	500.0	*
1350.00	H	21.2	4.3	26.5	-.7	51.2	364.6	500.0	*
1798.00	V	6.9	5.3	28.0	-.7	39.5	94.2	1166.7	
1798.00	H	6.6	5.3	28.0	-.7	39.2	91.0	1166.7	
2250.00	H	10.3	6.2	29.8	-.7	45.5	189.3	500.0	*
2250.00	V	7.5	6.2	29.8	-.7	42.7	137.1	500.0	*
2699.00	V	6.0	7.0	31.3	-.7	43.5	149.9	500.0	*
2699.00	H	6.1	7.0	31.3	-.7	43.6	151.7	500.0	*
3152.84	H	6.2	7.8	32.2	-.7	45.5	188.9	1166.7	
3152.84	V	6.0	7.8	32.2	-.7	45.3	184.6	1166.7	
3595.60	V	5.7	8.8	32.6	-.7	46.4	207.8	1166.7	
3595.60	H	6.0	8.8	32.6	-.7	46.7	215.1	1166.7	
4049.20	H	7.5	9.8	32.9	-.7	49.5	297.1	500.0	*
4049.20	V	6.0	9.8	32.9	-.7	48.0	250.0	500.0	*
4498.90	V	4.4	10.8	32.8	-.7	47.3	230.6	1166.7	
4498.90	H	4.5	10.8	32.8	-.7	47.4	233.3	1166.7	

* DENOTES A FREQUENCY CONFLICT WITH RESTRICTED BANDS

checked by:

Richard E. King
R. KING

ELITE ELECTRONIC ENGINEERING Inc.

MKR 433.134 MHz
-40.50 dBm

hp

10 dB/

OFFSET

-10.0

dB

REF -20.0 dBm ATTN 0 dB

MANUFACTURER : : TELEMOTIVE
MODEL NO. : TELEPILOT V1.0
S/N : NONE ASSIGNED
MODE : TX @ 433.1MHz
DATE TESTED : JULY 2
NOTES : INCLUDES 9000 SYSTEMS

R. KING
2 Jul 2002
08:21:30

0.25% BW

20dBc

ETR 31149-01

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CENTER 433.13 MHz

RES BW 30 kHz(i)

VBW 300 kHz

SPAN 2.00 MHz

SWP 20.0 msec

ELITE ELECTRONIC ENGINEERING Inc.

MKR 439.842 MHz
-29.90 dBm

hp

10 dB/

OFFSET
-10.0
dB

REF -20.0 dBm

ATTEN 0 dB

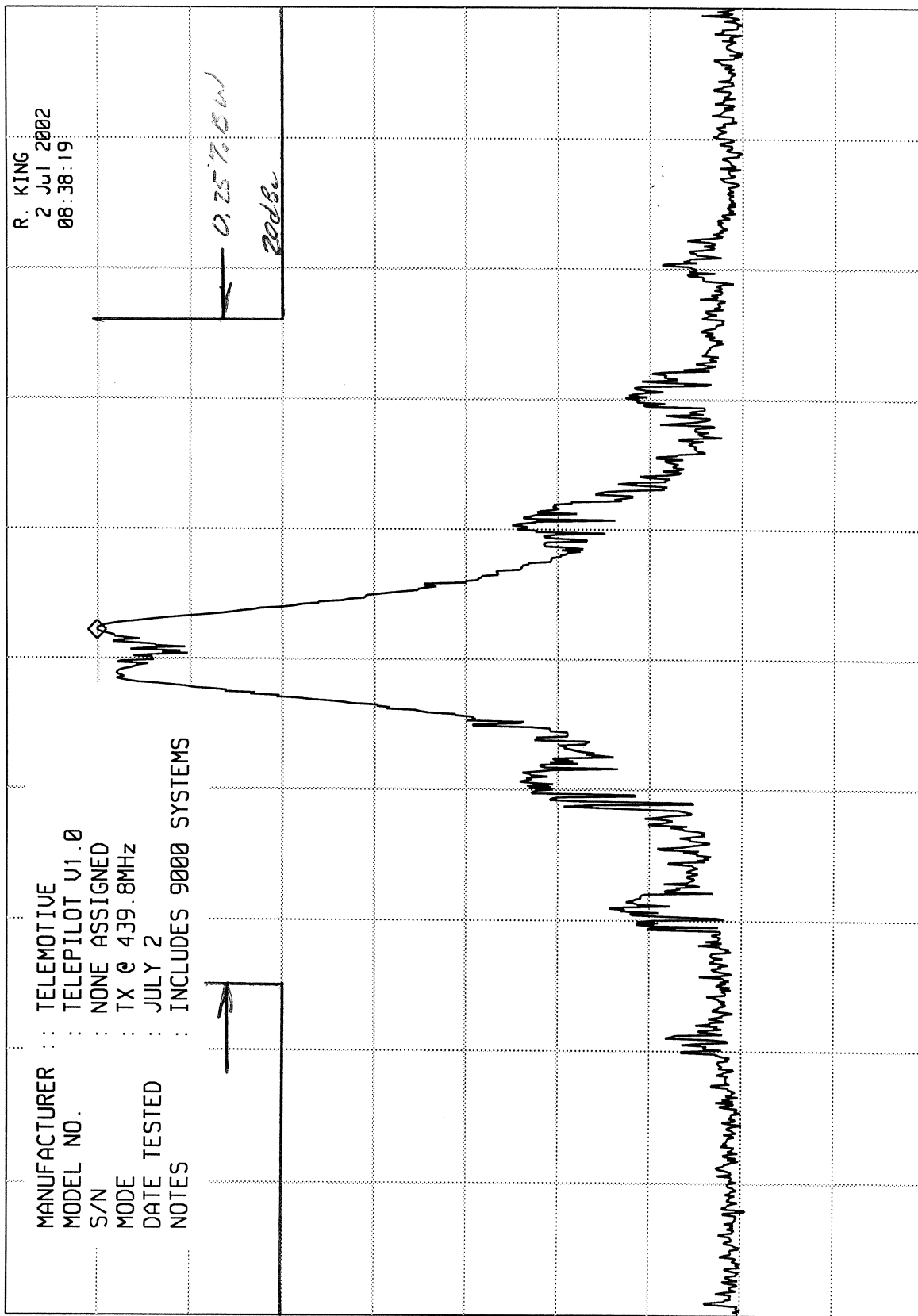
MANUFACTURER : TELEMOTIVE
MODEL NO. : TELEPILOT V1.0
S/N : NONE ASSIGNED
MODE : TX @ 439.8MHz
DATE TESTED : JULY 2
NOTES : INCLUDES 9000 SYSTEMS

R. KING

2 Jul 2002
08:38:19

0.25% BW
20dB

ETC 31149-01



CENTER 439.80 MHz

RES BW 30 kHz(i)

VBW 300 kHz

SPAN 2.00 MHz
SWP 20.0 msec

82 f 22

ELITE ELECTRONIC ENGINEERING Inc.

MKR 449.932 MHz
-39.00 dBm

hp

10 dB/

OFFSET

-10.0

dB

REF -20.0 dBm

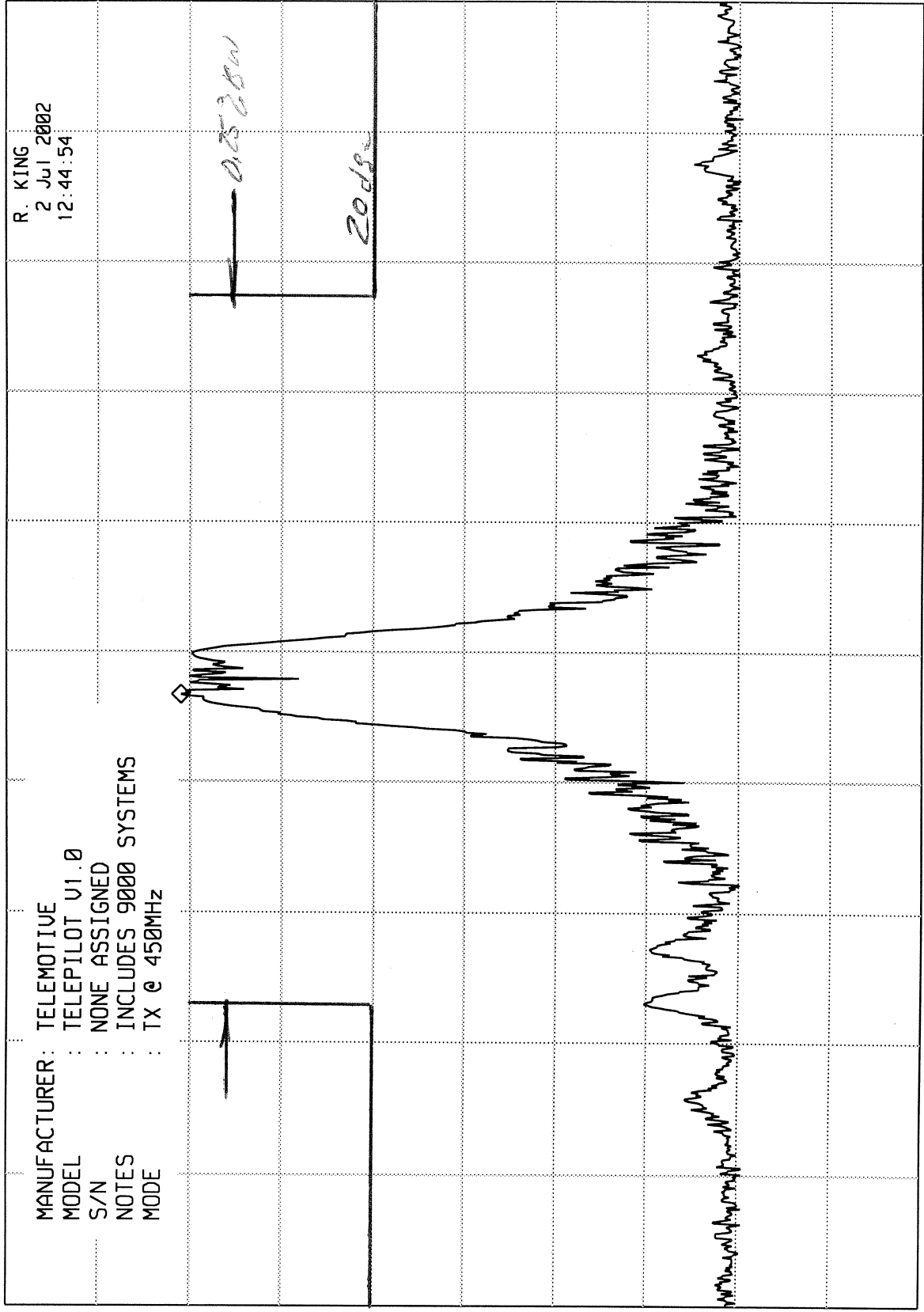
ATTEN 0 dB

MANUFACTURER: TELEMOTIVE
MODEL : TELEPILOT V1.0
S/N : NONE ASSIGNED
NOTES : INCLUDES 9000 SYSTEMS
MODE : TX @ 450MHz

R. KING

2 Jul 2002

12:44:54



CENTER 450.00 MHz

RES BW 30 kHz (i)

VBW 300 kHz

SPAN 2.00 MHz

SWP 20.0 msec

ETA 31149-01

82.5.82