



125 Technology Parkway
Norcross, Georgia, US 30092

Test Report

LXE Model: 6726

FCC ID: KDZLXE6726M

Direct Sequence Spread
Spectrum Transmitter

Portable Equipment Certification

Applicant: LXE Inc.
125 Technology Parkway
Norcross, GA 30092

Purpose of Testing: To demonstrate compliance with FCC Part 15 Subpart C

Addendum1: Upper bandedge radiated emission data

Prepared By: 
D. C. Massey
Lead Regulatory Engineer

Issue Date: January 27, 2002

HIGH FREQUENCY RADIATED EMISSIONS DATA SHEET

Date: 01/23/02

Radio Part Number: 6726

Antenna Part Number: 460602-3020 15dB YAGI

Tested By: D.C. Massey

LXE Project No. 01-073 & 01-074

Frequency (MHz)	Antenna Distance (m)	Level (dBuV)	Correction Factors (dB)	Corrected Level (dBuV)	Corrected Level (uV/m)	Margin (uV)	Final Result (Pass/Fail)
2483.5	3	37.33	11.86	49.19	288.01	211.99	PASS
2484.4	3	36.83	11.86	48.69	272.02	227.98	PASS
2486.6	3	36.83	11.87	48.70	272.32	227.68	PASS
2487.9	3	37	11.88	48.88	277.88	222.12	PASS
2489.6	3	37.5	11.88	49.38	294.60	205.40	PASS
2494.9	3	36.67	11.91	48.58	268.47	231.53	PASS

Notes: Search antenna vertical at 121 cm.

LVE ANTENNA F/W 460602-3020
15dB YAGI

ANTENNA RIGHT

1/23/02

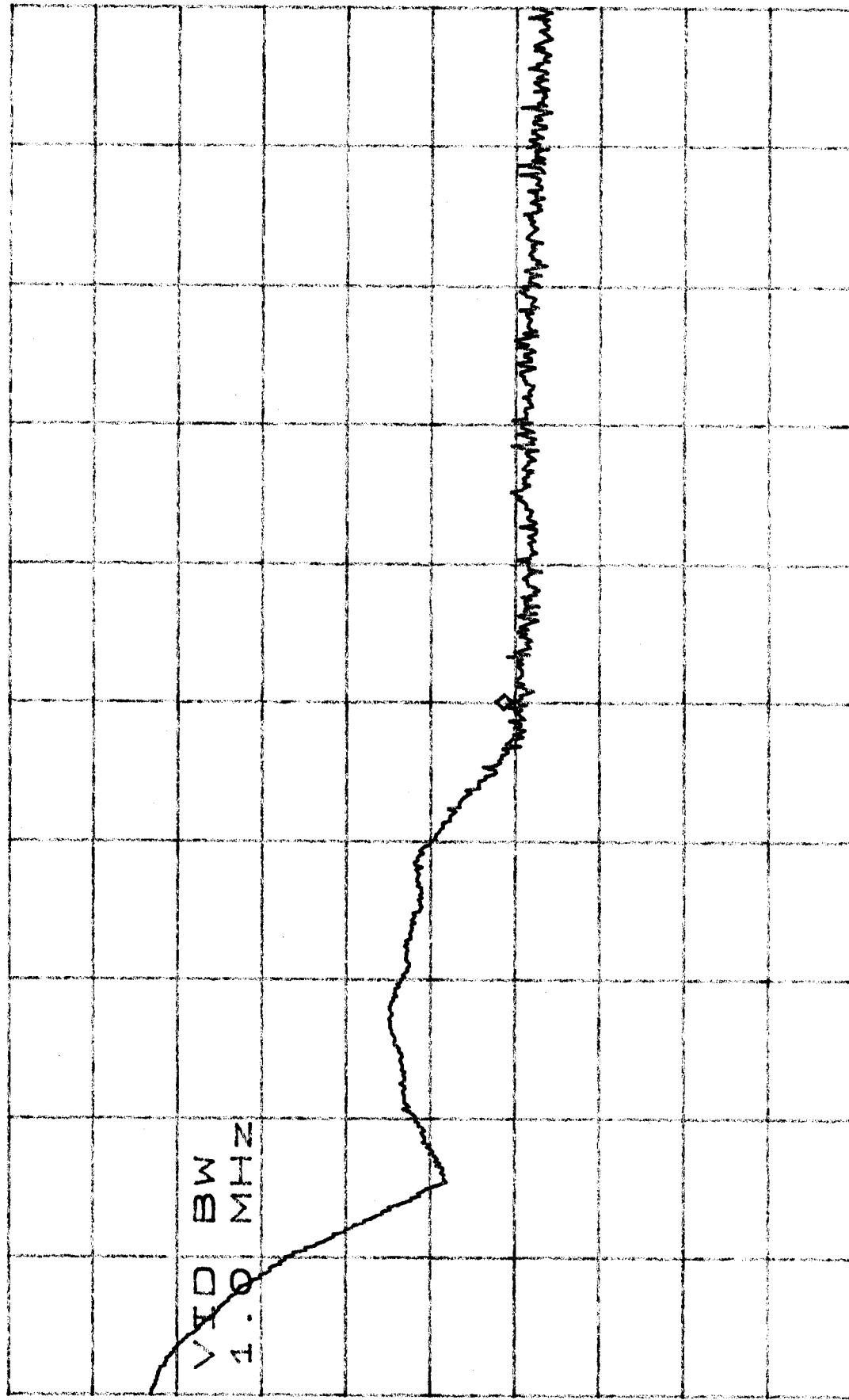
*ATTEN 0dB

MKR 37.33dBμV

RL 97.0dBμV

10dB/

2.48350GHz



CENTER 2.48350GHz

SPAN 30.00MHz

*RBW 1.0MHz

*VBW 1.0MHz

SWP 50ms

LVE ANTENNA P/N 460602-3020

15dB YAGI

ANTENNA LEFT

1/23/02

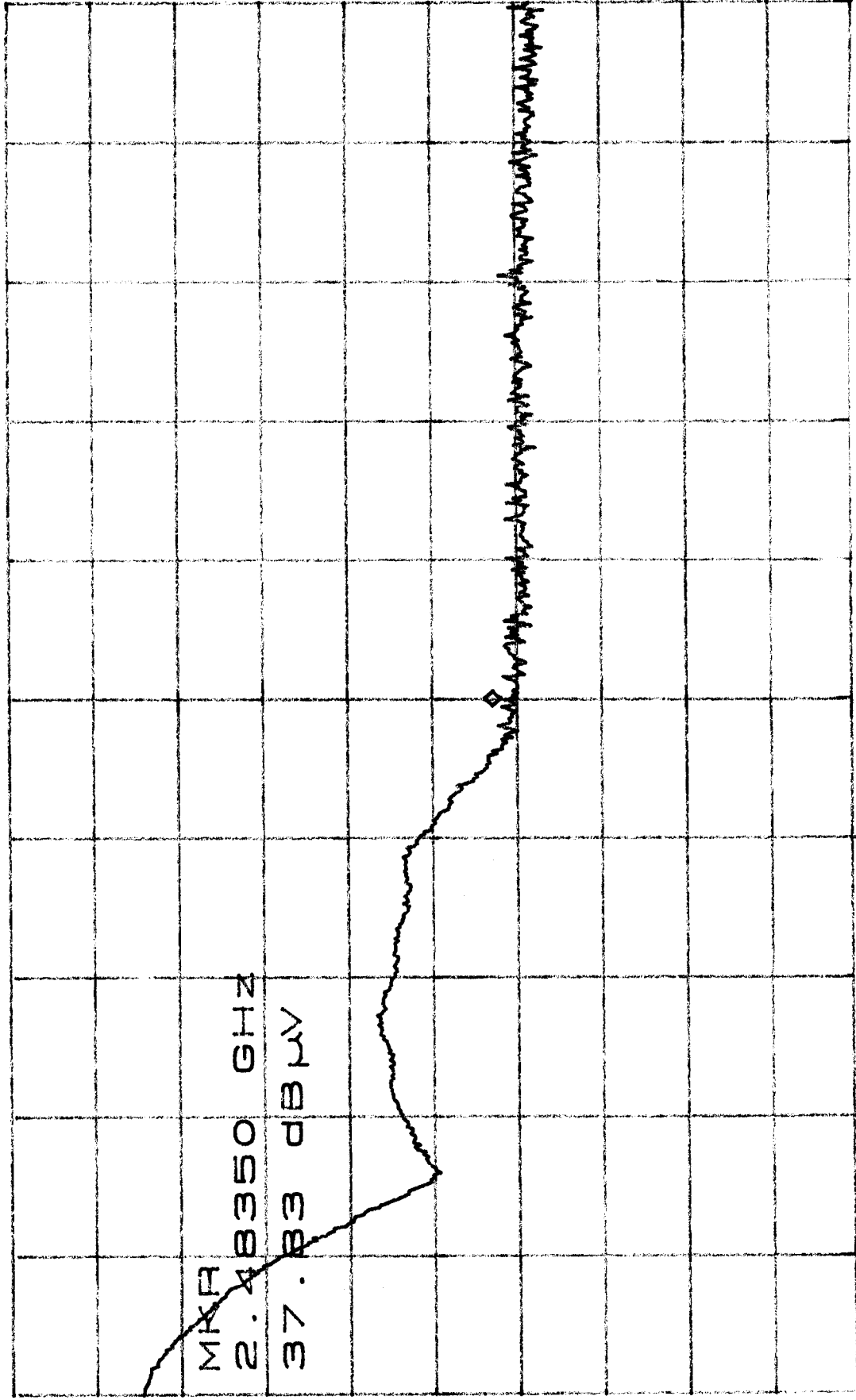
*ATTEN 0dB

RL 97.0dB μ V

10dB/

MKR 37.83dB μ V

2.48350GHz



CENTER 2.48350GHz

SPAN 30.00MHz

*RBW 1.0MHz

*VBW 1.0MHz

SWP 50ms

HIGH FREQUENCY RADIATED EMISSIONS DATA SHEET

Date: 01/23/02

Radio Part Number: 6726

Antenna Part Number: 480424-2411 6dB Patch

Tested By: D.C. Massey

LXE Project No. 01-073 & 01-074

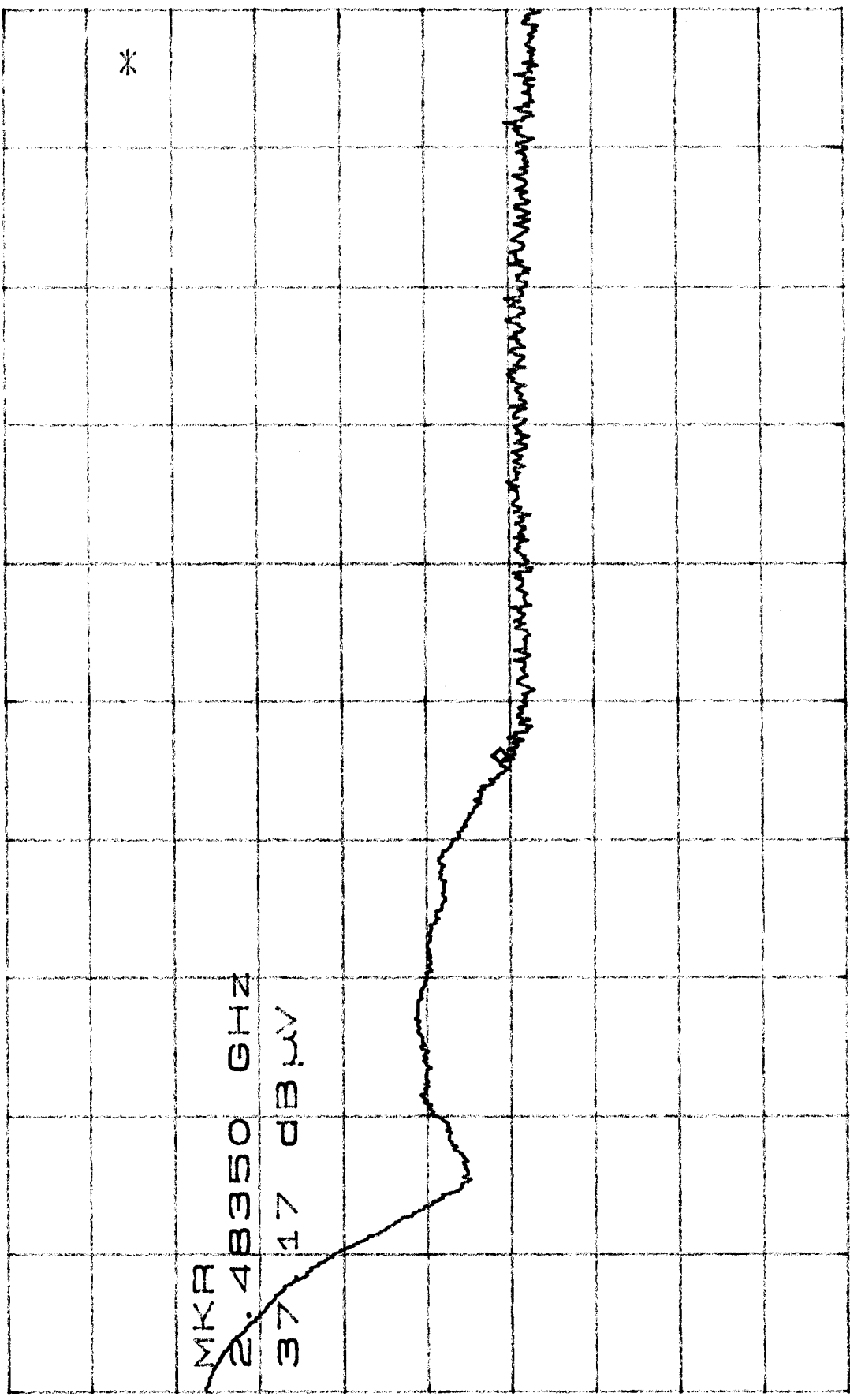
Frequency (MHz)	Antenna Distance (m)	Level (dBuV)	Correction Factors (dB)	Corrected Level (dBuV)	Corrected Level (uV/m)	Margin (uV)	Final Result (Pass/Fail)
2483.5	3	37.17	11.86	49.03	282.75	217.25	PASS
2486.7	3	36.00	11.87	47.87	247.51	252.49	PASS
2489.4	3	36.83	11.88	48.71	272.70	227.30	PASS
2491.7	3	36.33	11.89	48.22	257.75	242.25	PASS
2497.3	3	37.5	11.92	49.42	295.74	204.26	PASS

Notes: Search antenna vertical at 146 cm.

LXE ANTENNA P/N 450424-2411
6dB PATCH
ANTENNA RIGHT

1/23/02

*ATTEN 0dB
RL 97.0dBμV 10dB/
MKR 37.17dBμV 2.48350GHz



CENTER 2.48470GHz
*RBW 1.0MHz *VBW 1.0MHz
SPAN 30.00MHz SWP 50ms

LVE ANTENNA P/N 480424-2411

6dB PATCH

ANTENNA LEFT

1/23/02

*ATTEN 0dB

RL 97.0dB μ V

10dB/

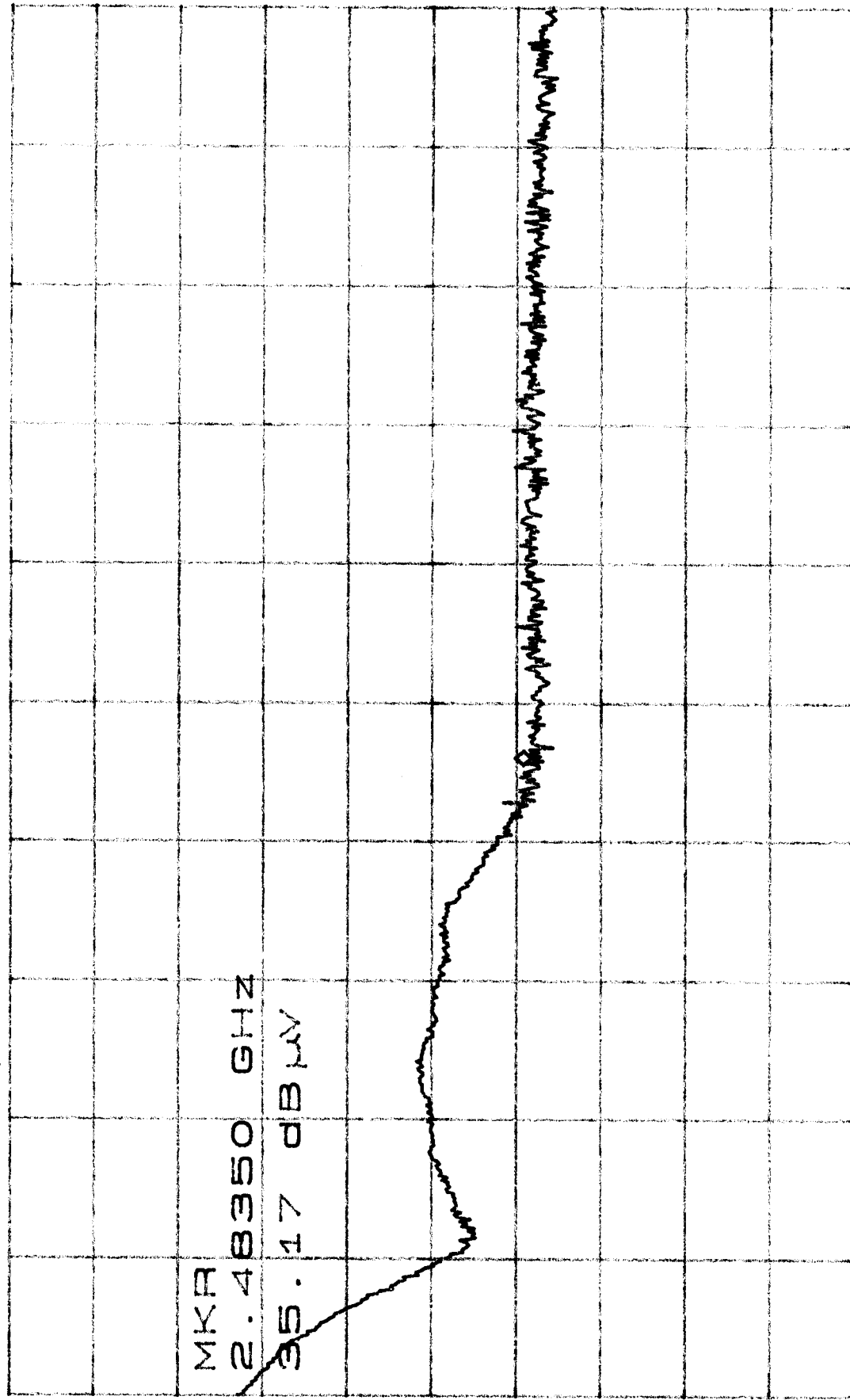
MKR 35.17dB μ V

2.48350GHZ

MKR

2.48350 GHZ

35.17 dB μ V



CENTER 2.48470GHZ

SPAN 30.00MHZ

*RBW 1.0MHZ

*VBW 1.0MHZ

SWP 50ms

HIGH FREQUENCY RADIATED EMISSIONS DATA SHEET

Date: 01/23/02

Radio Part Number: 6726

Antenna Part Number: 480429-2703 12dB directional

Tested By: D.C. Massey

LXE Project No. 01-073 & 01-074

Frequency (MHz)	Antenna Distance (m)	Level (dBuV)	Correction Factors (dB)	Corrected Level (dBuV)	Corrected Level (uV/m)	Margin (uV)	Final Result (Pass/Fail)
2483.5	3	38.83	11.86	50.69	342.30	157.70	PASS
2487.6	3	39.17	11.88	51.05	356.69	143.31	PASS
2488.5	3	39.00	11.88	50.88	349.94	150.06	PASS
2491.0	3	38.67	11.89	50.56	337.32	162.68	PASS
2491.55	3	39.17	11.89	51.06	357.40	142.60	PASS

Notes: Search antenna horizontal at 226 cm.

L4E ANTENNA PIN 480429-2703
12dB 90° DIRECTIONAL

ANTENNA RIGHT

1/23/02

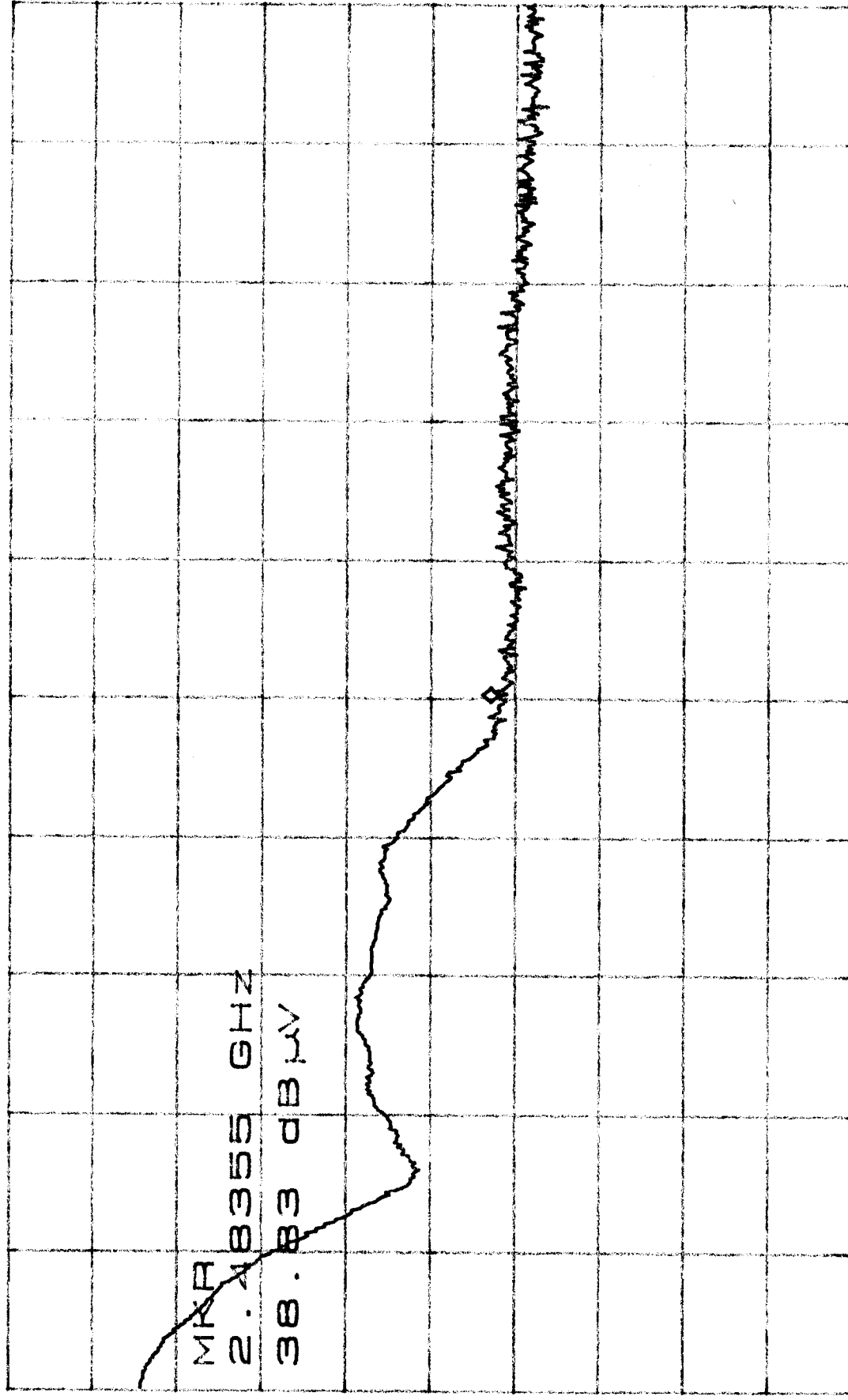
*ATTEN 0dB

RL 97.0dBμV

10dB/

MKRA 38.83dBμV

2.48355GHz



CENTER 2.483550GHZ

SPAN 30.00MHZ

*RBW 1.0MHZ

*VBW 1.0MHZ

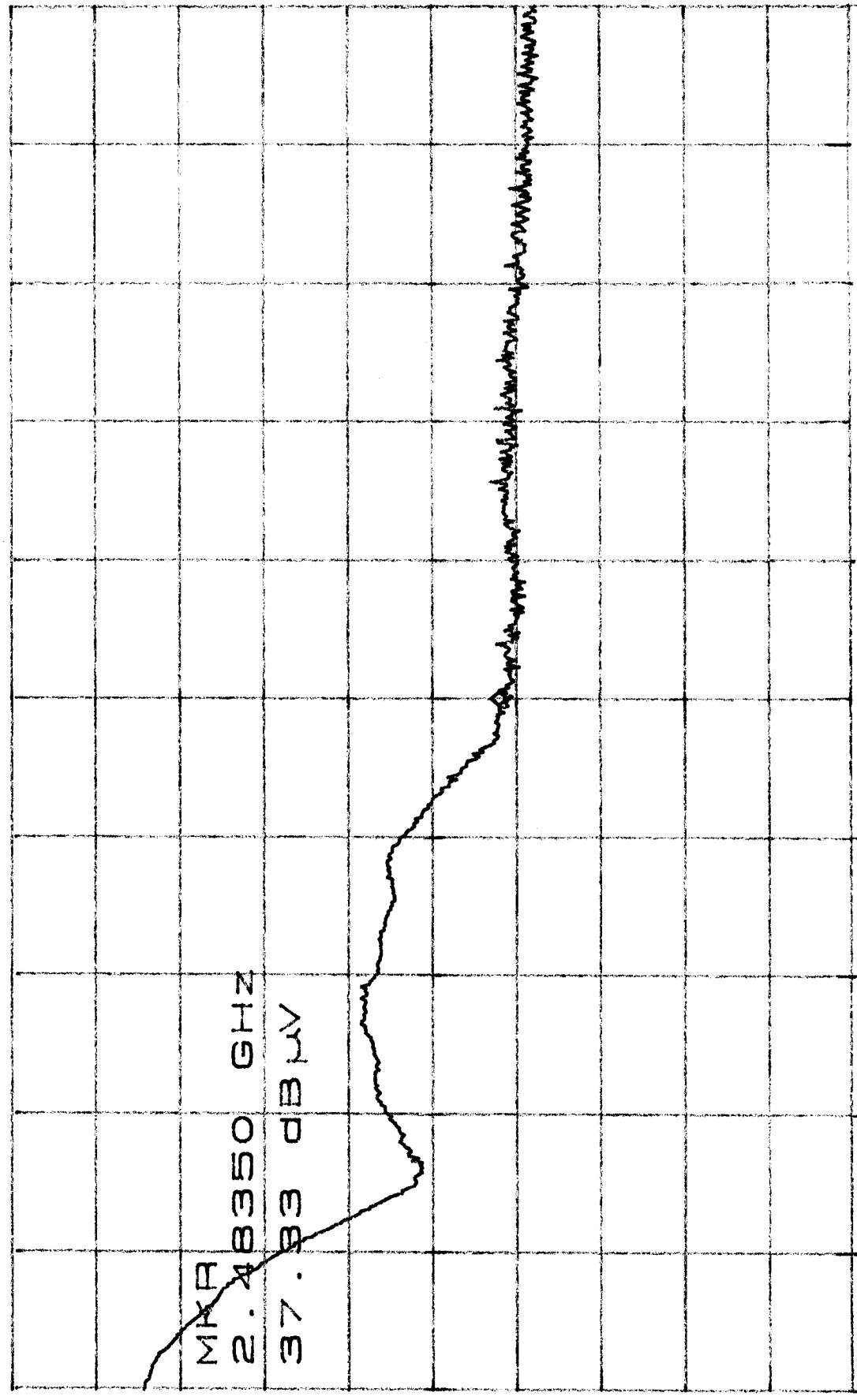
SWP 50ms

LVE ANTENNA P/N 450424-1103
12dB 90° DIRECTIONAL

ANTENNA LEFT

1/23/02

*ATTEN 0dB MKR 37.33dBμV
RL 97.0dBμV 10dB/ 2.48350GHZ



CENTER 2.48350GHZ SPAN 30.00MHZ
*RBW 1.0MHZ *VBW 1.0MHZ SWP 50ms

HIGH FREQUENCY RADIATED EMISSIONS DATA SHEET

Date: 01/23/02

Radio Part Number: 6726

Antenna Part Number: 480429-0415 15 dB Omni

Tested By: D.C. Massey

LXE Project No. 01-073 & 01-074

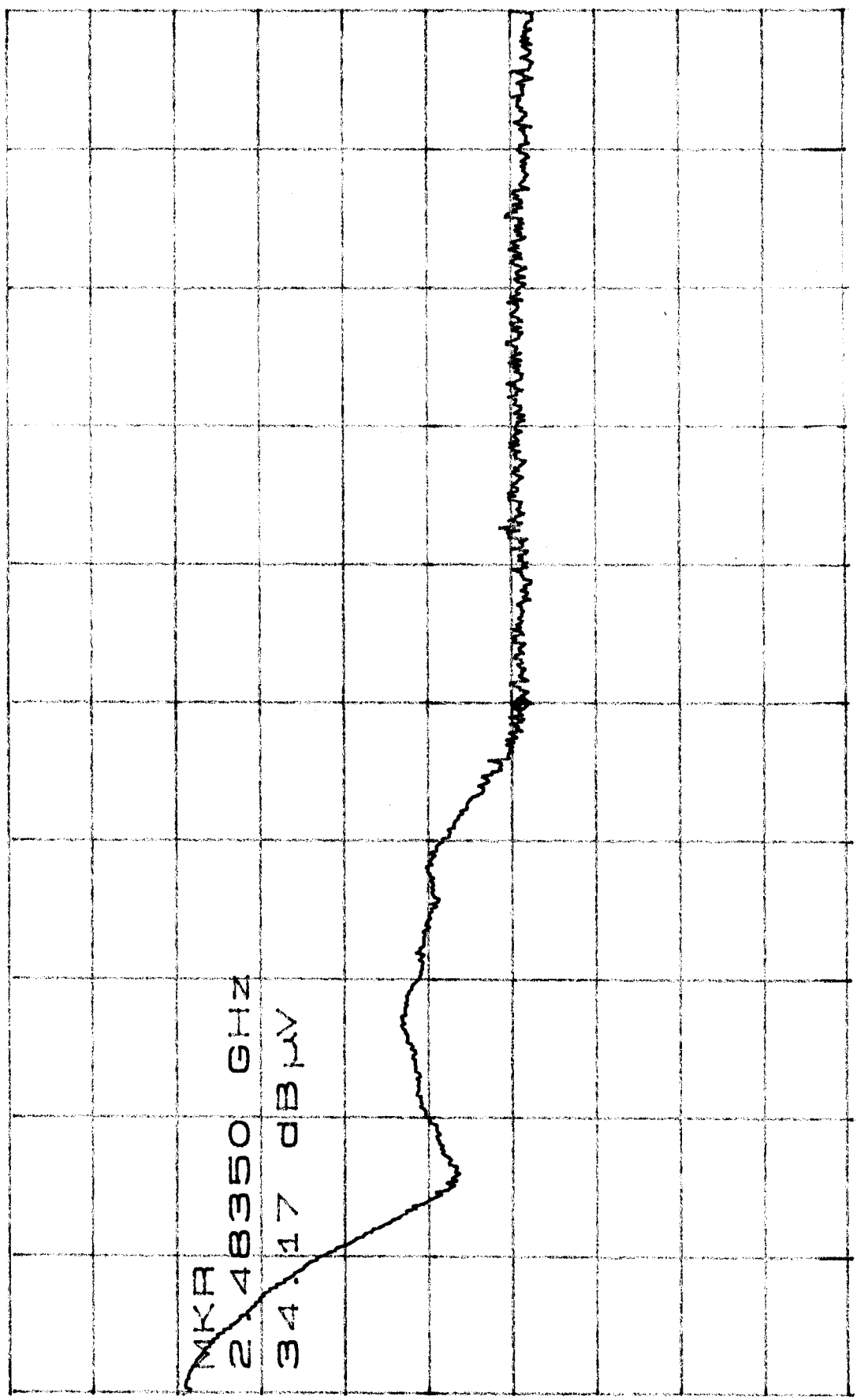
Frequency (MHz)	Antenna Distance (m)	Level (dBuV)	Correction Factors (dB)	Corrected Level (dBuV)	Corrected Level (uV/m)	Margin (uV)	Final Result (Pass/Fail)
2483.5	3	34.17	11.86	46.03	200.17	299.83	PASS
2484.0	3	36.67	11.86	48.53	267.00	233.00	PASS
2487.3	3	38.00	11.87	49.87	311.70	188.30	PASS
2491.4	3	37.00	11.89	48.89	278.37	221.63	PASS
2494.1	3	37.17	11.90	49.07	284.26	215.74	PASS

Notes: Search antenna vertical at 131 cm.

LXE ANTENNA 480429-0415, 15dB OMNI
ANTENNA RIGHT

1/23/02

*ATTEN 0dB
RL 97.0dBμV 10dB/ MKR 34.17dBμV
2.48350GHZ



CENTER 2.48350GHZ SPAN 30.00MHZ
*RBW 1.0MHZ *VBW 1.0MHZ SWP 50ms

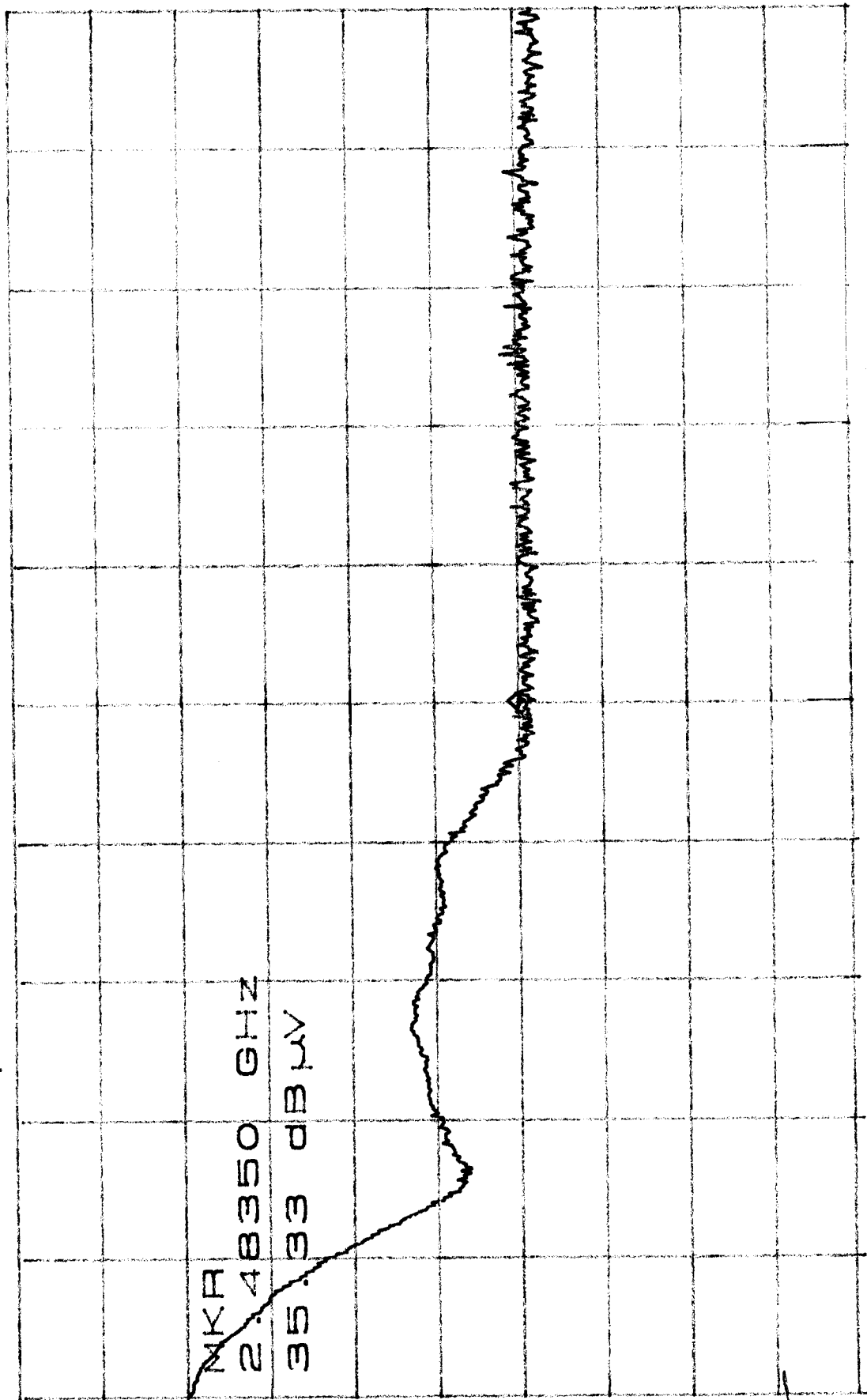
LXE ANTENNA 480429-0415, 15dB OMNI

ANTENNA LEFT

1/23/02

*ATTEN 0dB MKR 35.33dBμV

RL 97.0dBμV 10dB/ 2.48350GHz



SPAN 30.00MHz

CENTER 2.48350GHz

SWP 50ms

*VBW 4.0MHz

*RBW 1.0MHz