

Annex 1

List of instruments

(1 page)

The client has received this report in electronic form. DELTA keeps a paper copy of the report.

For practical purposes, DANAK's liability conditions are enclosed as the last page of part 1 of the report, but are not included in the total number of pages.

The PDF-version consists of 3 parts. This is part 2.

LIST OF INSTRUMENTS

NO.	DESCRIPTION	MANUFACTURER	TYPE NO.	CAL. EX-PIRES
29337	ARTIFICIAL MAINS NETWORK	ROHDE & SCHWARZ	ESH2-Z5	2002-05-31
29395	PLOTTER	HEWLETT-PACKARD	7440A	ONLY CAL. IF REQUIRED
29449,1	ADAPTOR, 12.4-18 GHz	SUHNER	3101.19.A	2002-03-03
29449,2	HORN ANTENNA, 12.4-18 GHz	FLANN MICROWAVE	1824-20	2002-03-03
29660	PRE SELECTOR, 0 - 22 GHz.	HEWLETT-PACKARD	70600A	AS 29665
29661	RF SECTION. 50 kHz - 26.5 GHz.	HEWLETT-PACKARD	70906A	AS 29665
29662	LOCAL OSCILLATOR	HEWLETT-PACKARD	70900A	AS 29665
29663	IF SECTION, 10 Hz - 300 kHz BW	HEWLETT-PACKARD	70902A	AS 29665
29664	MAINFRAME	HEWLETT-PACKARD	70001A	AS 29665
29665	SYSTEM DISPLAY (FOR SPECTRUM ANALYZER 71200C)	HEWLETT-PACKARD	71200A (70206A MAIN FRAME)	2001-11-29
29775	"CABLE#12", LOW-LOSS uWAVE CABLE, SMA-SMA, 5 m	SUHNER	SUCOFLEX 104A	2002-05-08
29797	BILOG ANTENNA, 30-1000 MHz	CHASE ELECTRICS LTD	CBL 6111A	2003-07-27
29837	BROADBAND POWER AMPLIFIER, 8-18 GHz, 1 W	MITEQ	AMF-9B-080180-30P	2002-07-13
29854	"CABLE#16", LOW-LOSS uWAVE CABLE, SMA-SMA, 0.5 m	SUHNER	SUCOFLEX 104A	2001-11-08
29861	EMI-SOFTWARE Ver. 1.60	ROHDE & SCHWARZ	ES-K1, PART: 1026.6790.02	ONLY CAL. IF REQUIRED
29876	RIDGED GUIDE HORN ANTENNA, 1-18 GHz	EMCO	3115	2002-03-03
29916	AUTOMATIC TEST RECEIVER, 9 kHz-2.75 GHz	ROHDE & SCHWARZ	ESCS 30 1102.4500.30	2002-01-02
29934	RF SPECTRUM ANALYSER, 9 kHz-2.9 GHz w. TRACK-GEN.	HEWLETT-PACKARD	8594EM	2002-03-05
29942	"CABLE#26", LOW-LOSS uWAVE CABLE, SMA-SMA, 1 m	SUHNER	SUCOFLEX 104A	2002-05-08
29945	"CABLE#29", LOW-LOSS uWAVE CABLE, N-SMA, 6.1 m "EMI"	SUHNER	SUCOFLEX 104A	2001-11-18
29946	"CABLE#30", LOW-LOSS uWAVE CABLE, N-SMA, 6.9 m "EMI"	SUHNER	SUCOFLEX 104A	2001-11-18
49037	BROADBAND MICROWAVE PREAMPLIFIER, 1-12.8 GHz	MITEQ / DELTA	AMF-5D-001128-35-11P	2002-11-20
49038	POWER SUPPLY FOR 49037 PREAMP.	DELTA	BLUETOOTH	ONLY CAL. IF REQUIRED
49060	HORN ANTENNA W. WAVEGUIDE ADAPTOR, 18-26.5 GHz	FLANN	20240-20 W. 20094-SF40	ONLY CAL. IF REQUIRED

Annex 2

Photos

(4 pages)



PHOTO A2.1 Conducted emission



PHOTO A2.2 Test set-up for test 30-1000 MHz



PHOTO A2.3 Test set-up for test 1-12.75 GHz



PHOTO A2.4 Test set-up for 12.75-18 GHz

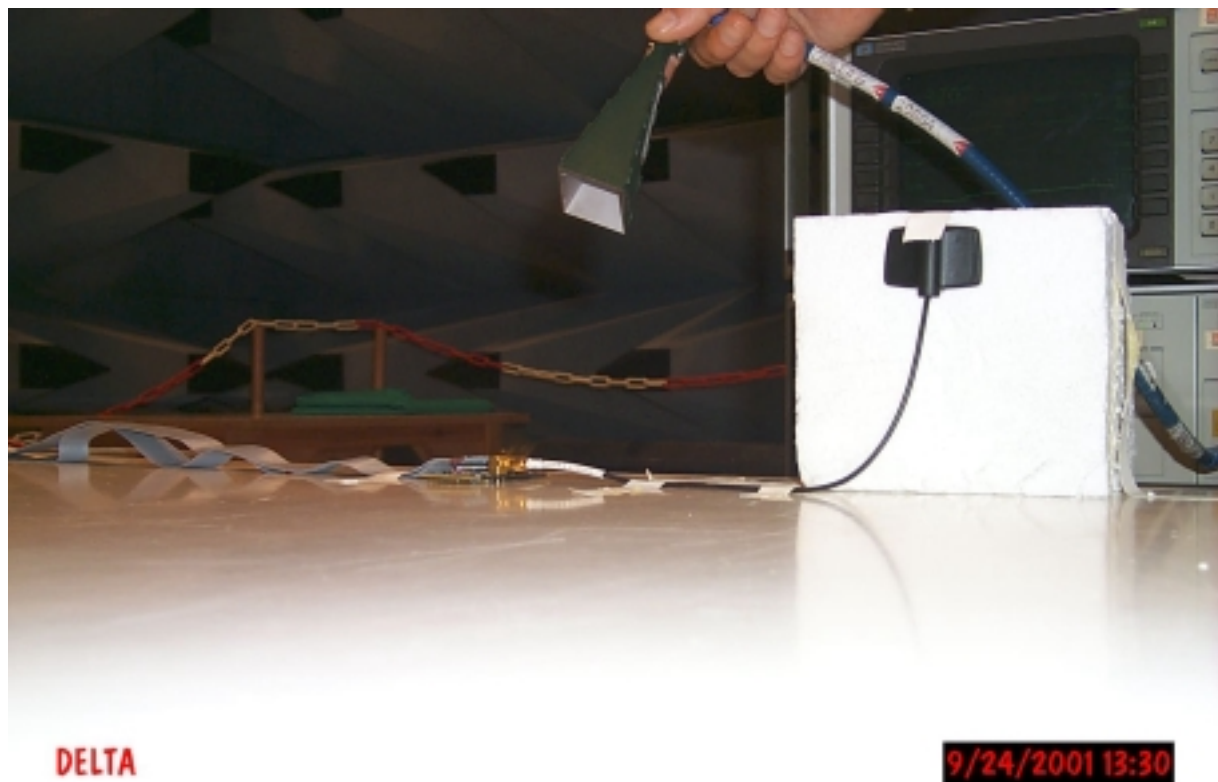


PHOTO A2.5 Test set-up for test 18-26 GHz



PHOTO A2.6 EUT with external antenna

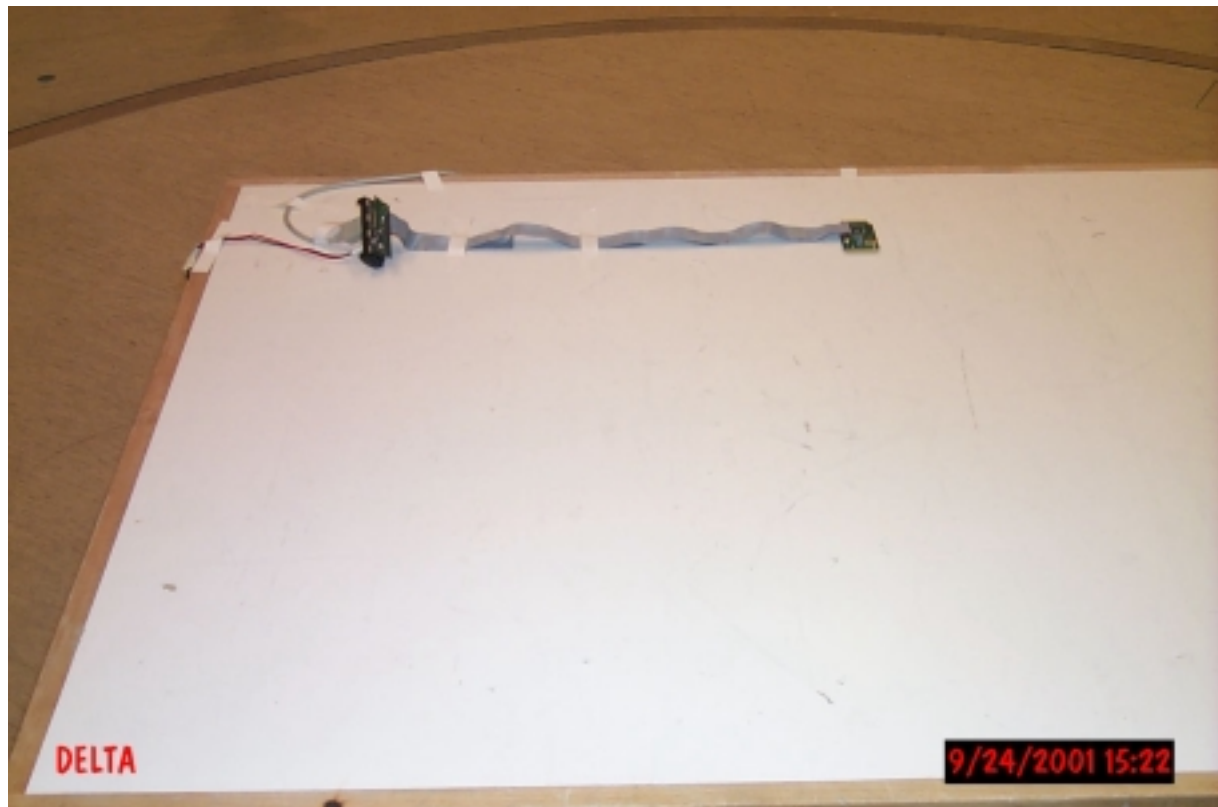


PHOTO A2.7 EUT with internal antenna

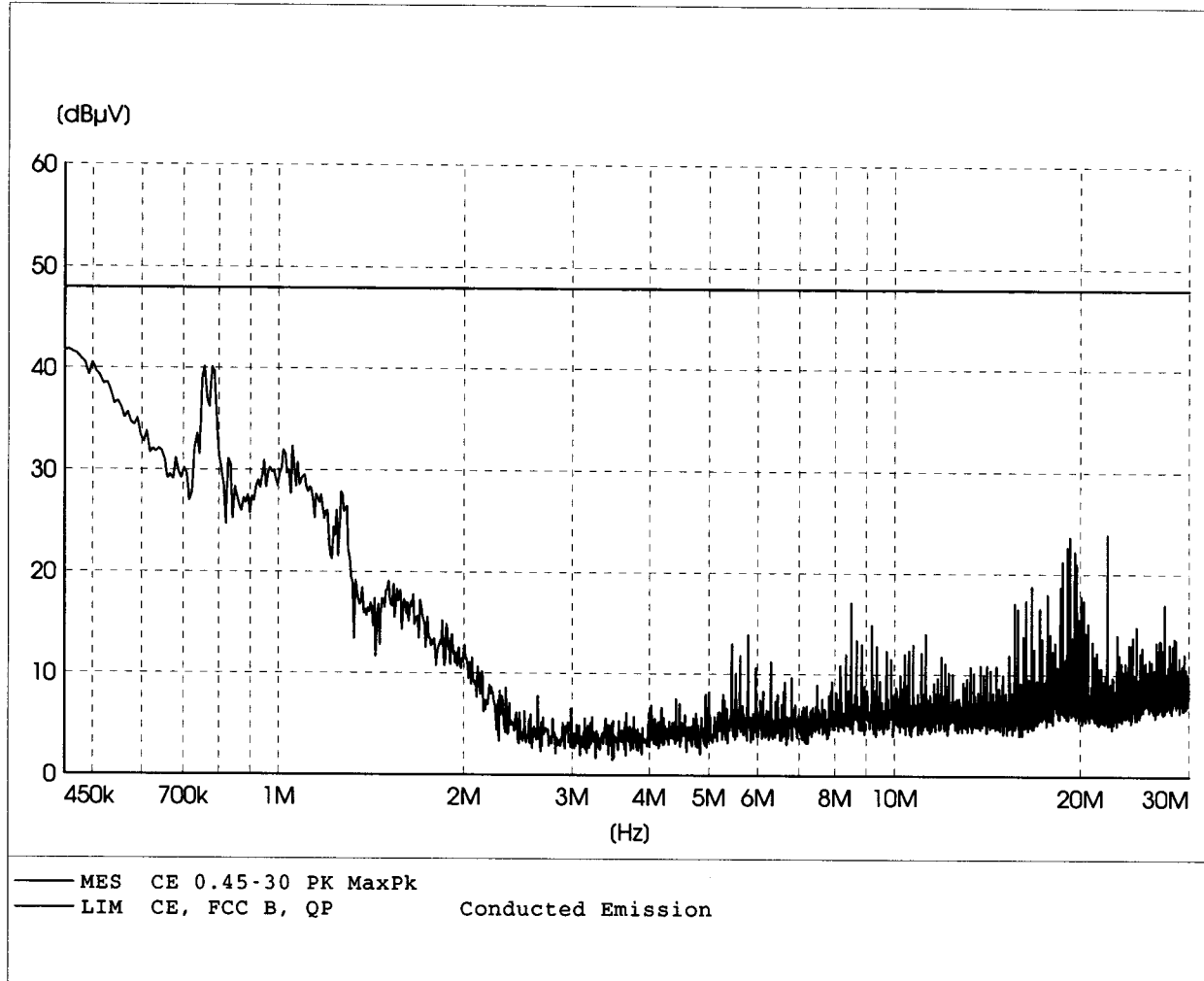
Annex 3

***Test record sheet regarding
conducted emission on power port***

(2 page)

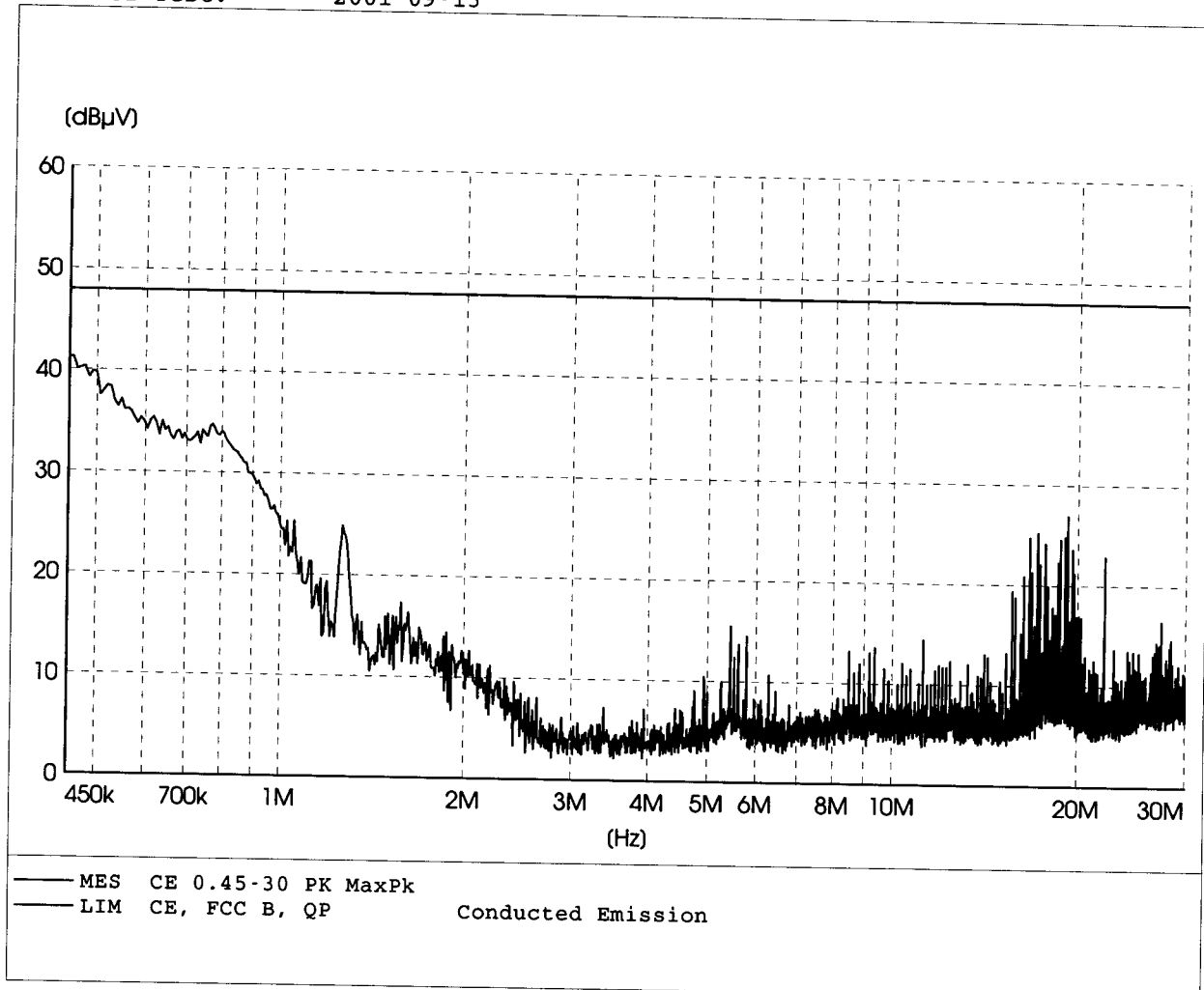
DELTA Electronics Testing. EMC section

EUT: Model: 0005-01, s/n 000017. Model: 0006-01, s/n 000017.
Manufacturer: ConnectBlue.
Operating Condition: Line no.: Line 1. 115 VAC.
Test Site: EMC-5
Operator: HEN-K222161
Test Specification: FCC B
Comment: Sheet 6
Start of Test: 2001-09-13



DELTA Electronics Testing. EMC section

EUT: Model: 0005-01, s/n 000017. Model: 0006-01, s/n 000017.
Manufacturer: ConnectBlue.
Operating Condition: Line no.: Neutral. 115 VAC.
Test Site: EMC-5
Operator: HEN-K222161
Test Specification: FCC B
Comment: Sheet 5
Start of Test: 2001-09-13



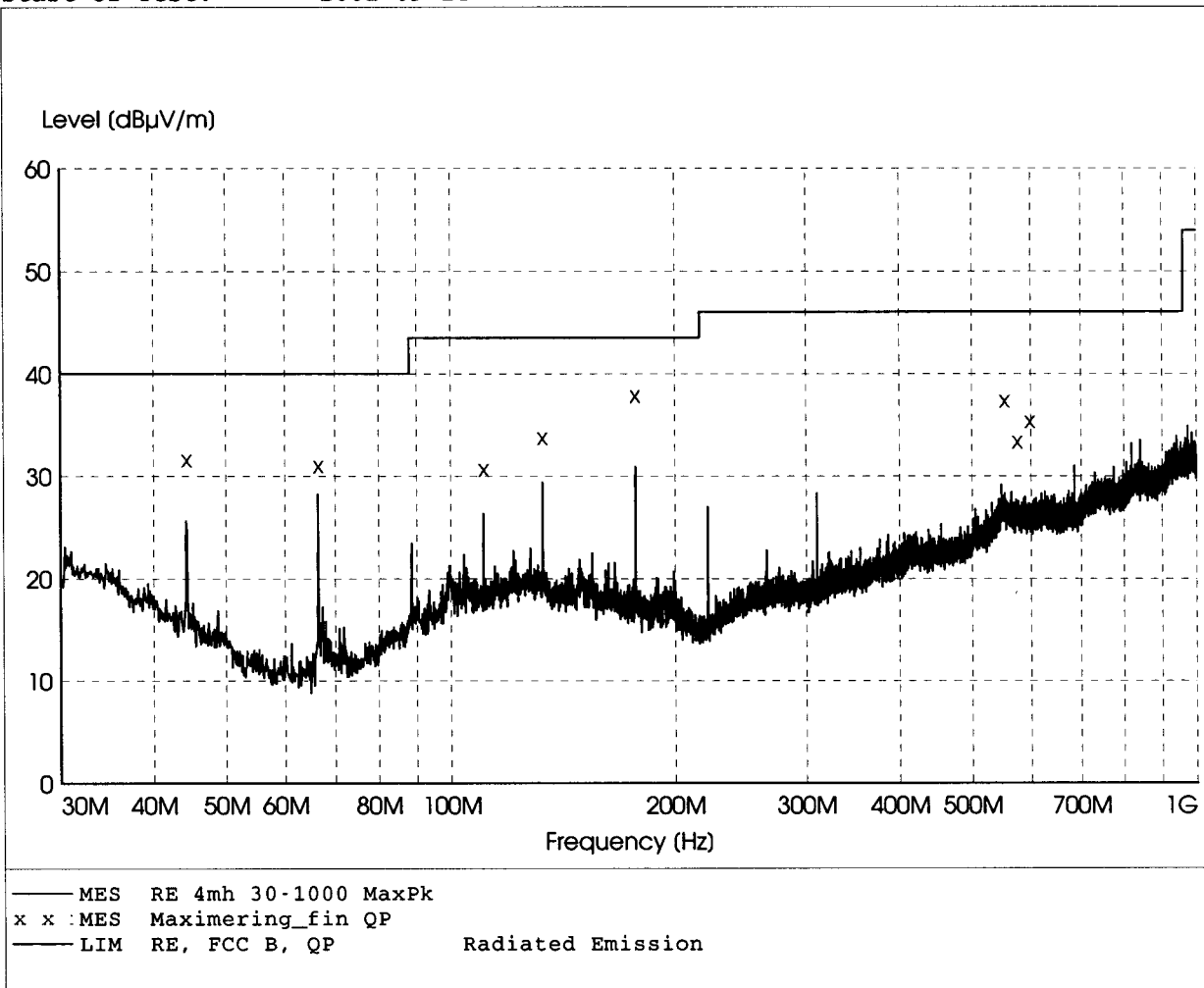
Annex 4

***Test record sheets regarding
radiated emission***

(14 pages)

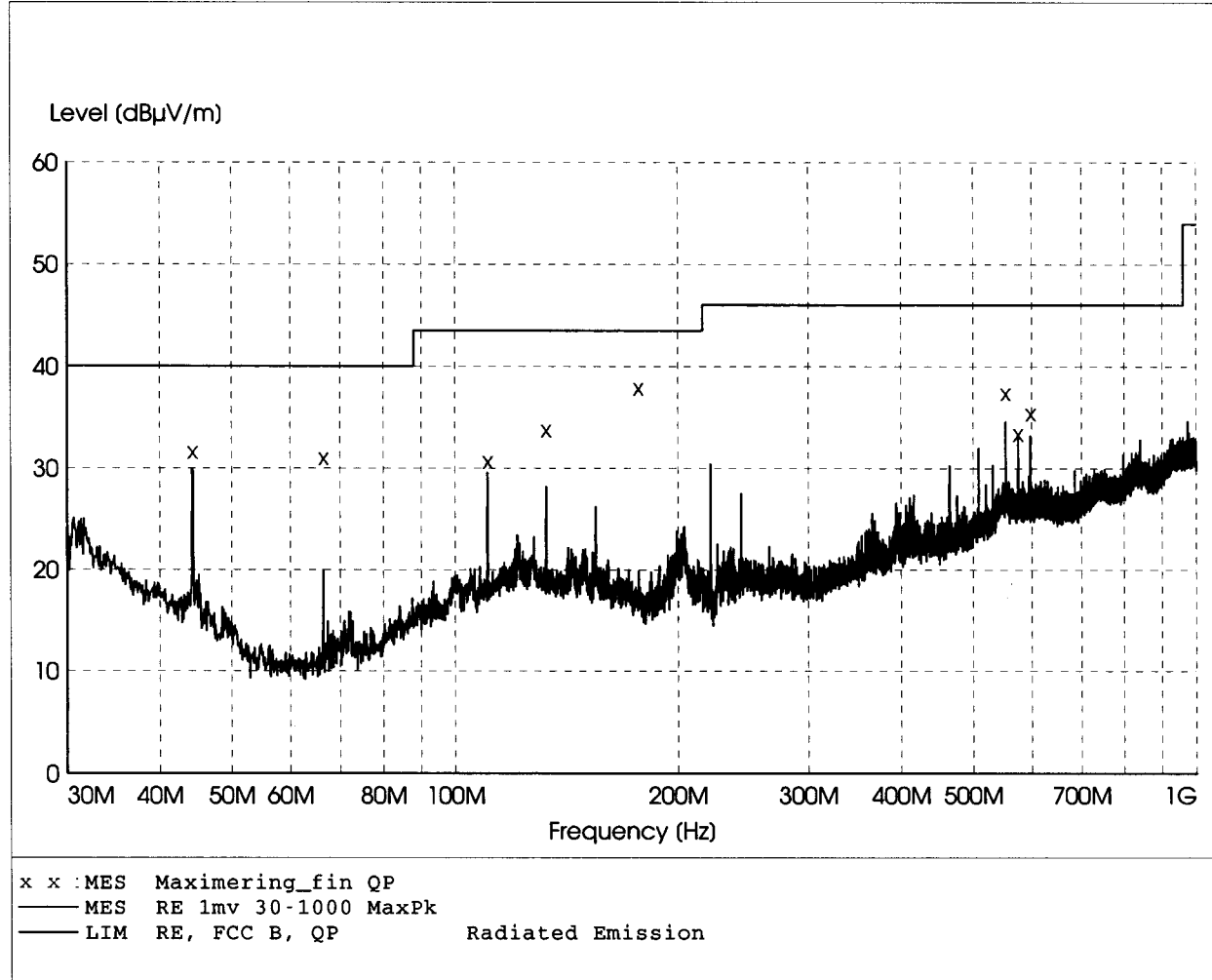
DELTA Electronics Testing. EMC section

EUT: Model: 0005-01, s/n 000017. Model: 0006-01, s/n 000017.
Manufacturer: ConnectBlue.
Operating Condition: Ant. 4 m horizontal. 115 VAC.
Test Site: EMC-5
Operator: HEN-K222161
Test Specification: FCC B
Comment: Sheet 16
Start of Test: 2001-09-14



DELTA Electronics Testing. EMC section

EUT: Model: 0005-01, s/n 000017. Model: 0006-01, s/n 000017.
 Manufacturer: ConnectBlue.
 Operating Condition: Ant. 1 m vertical. 115 VAC.
 Test Site: EMC-5
 Operator: HEN-K222161
 Test Specification: FCC B
 Comment: Sheet 15
 Start of Test: 2001-09-14



MEASUREMENT RESULT: "Maximizing_fin QP"

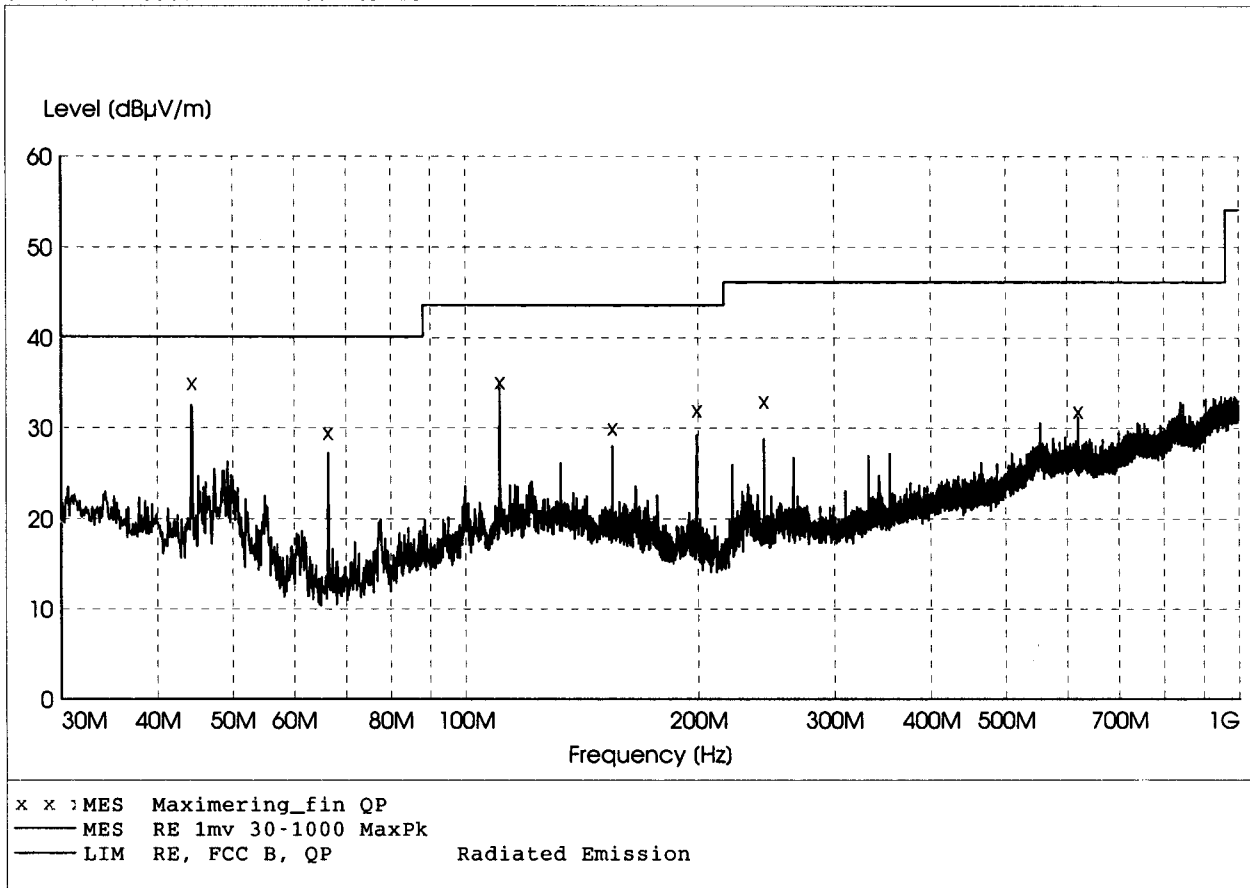
2001-09-14 10:29

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
44.230000	31.70	12.3	40.0	8.3	101.0	359.00	VERTICAL
66.350000	31.10	7.4	40.0	8.9	284.0	153.00	HORIZONTAL
110.590000	30.80	13.7	43.5	12.7	101.0	61.00	VERTICAL
132.710000	33.90	14.8	43.5	9.6	214.0	329.00	HORIZONTAL
176.940000	38.00	11.9	43.5	5.5	168.0	358.00	HORIZONTAL
552.960000	37.50	23.8	46.0	8.5	111.0	216.00	VERTICAL
575.070000	33.50	23.2	46.0	12.5	110.0	215.00	VERTICAL
597.190000	35.50	23.6	46.0	10.5	101.0	63.00	HORIZONTAL

DELTA

DELTA Electronics Testing. EMC section

EUT: Bluetooth unit - Internal antenna
 Manufacturer: Connect Blue AB
 Operating Condition: Ant. 1 meter vertical.
 Test Site: EMC-5
 Operator: JN-K222161
 Test Specification: FCC class B.
 Comment: Sheet 93
 Start of Test: 2001-09-25



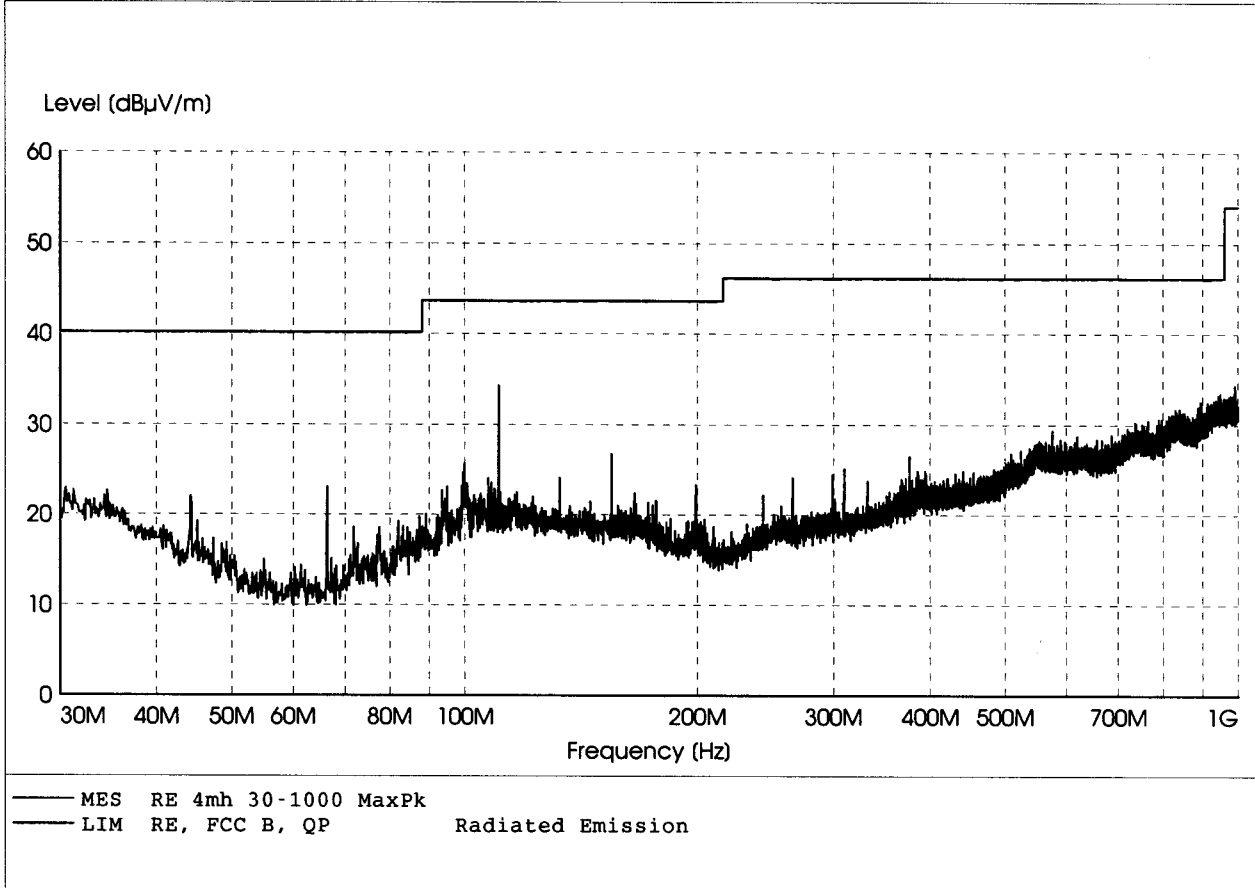
MEASUREMENT RESULT: "Maximering_fin QP"

09/25/2001 17:47

Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarisation
44.230000	35.00	12.3	40.0	5.0	101.0	196.00	VERTICAL
66.350000	29.50	7.4	40.0	10.5	101.0	343.00	VERTICAL
110.590000	35.10	13.7	43.5	8.4	281.0	340.00	HORIZONTAL
154.820000	30.00	13.7	43.5	13.5	179.0	215.00	HORIZONTAL
199.060000	32.00	12.0	43.5	11.5	115.0	328.00	HORIZONTAL
243.300000	33.00	14.5	46.0	13.0	101.0	305.00	HORIZONTAL
619.300000	31.90	24.0	46.0	14.1	142.0	176.00	HORIZONTAL
906.840000	30.50	28.3	46.0	15.5	113.0	0.00	VERTICAL

DELTA Electronics Testing. EMC section

EUT: Bluetooth unit - Internal antenna
 Manufacturer: Connect Blue AB
 Operating Condition: Ant. 4 meter horizontal.
 Test Site: EMC-5
 Operator: JN-K222161
 Test Specification: FCC class B.
 Comment: Sheet 94
 Start of Test: 2001-09-25



2

EXT ANT

TX Hi 2480

Rx Hi

Hz

MKR #1 FRQ 2.480 GHz

114.37 dBuV

POS PK

RL 130.00 dBuV

*ATTEN 0 dB

10.00 dB/DIV

MARKER

2.480 GHz

114.37 dBuV

1

54 dBuV/μV

STOP 2.900 GHz
ST 50.00 msec

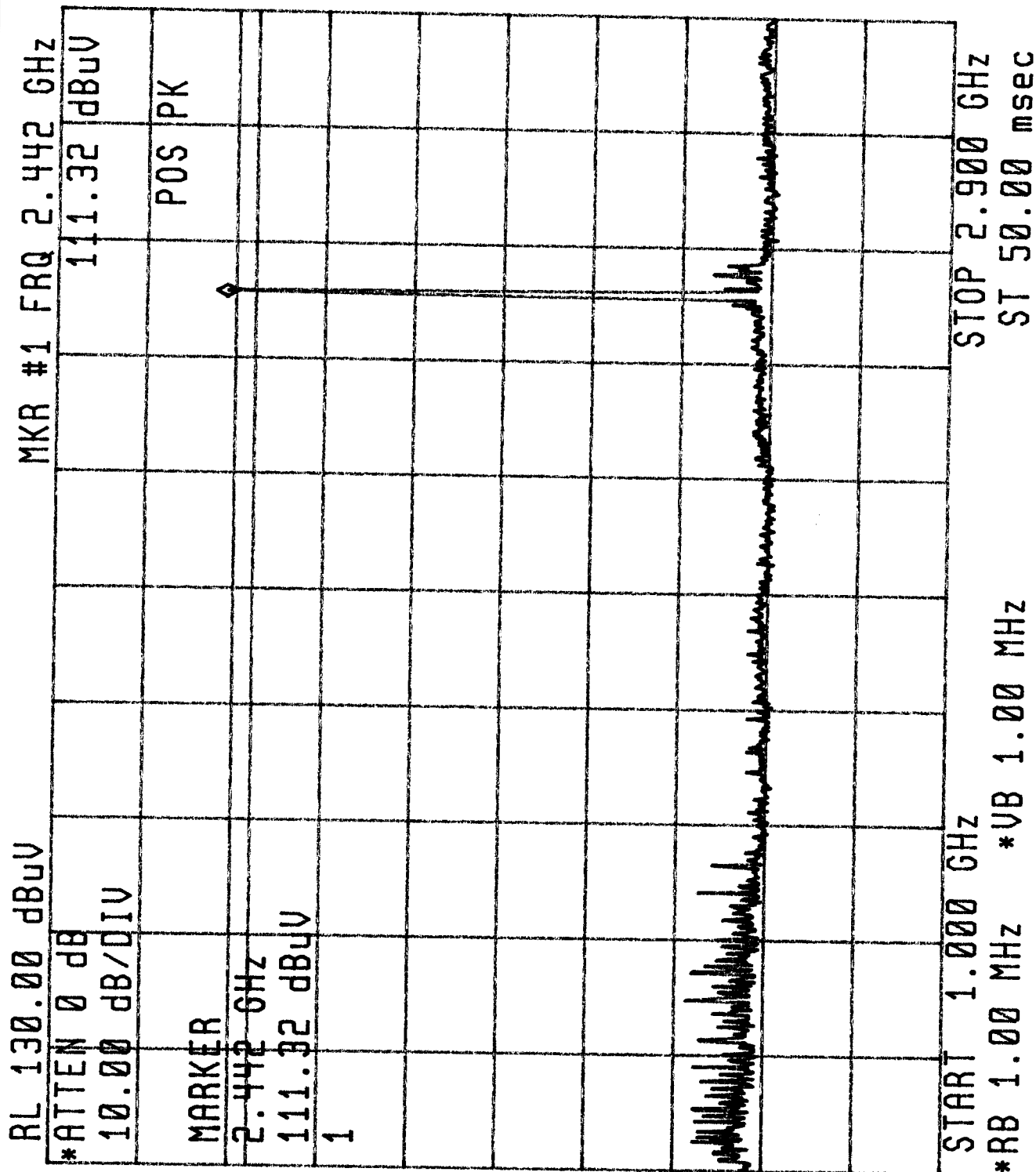
START 1.000 GHz
*RB 1.00 MHz *VB 1.00 MHz

1074

DELTA

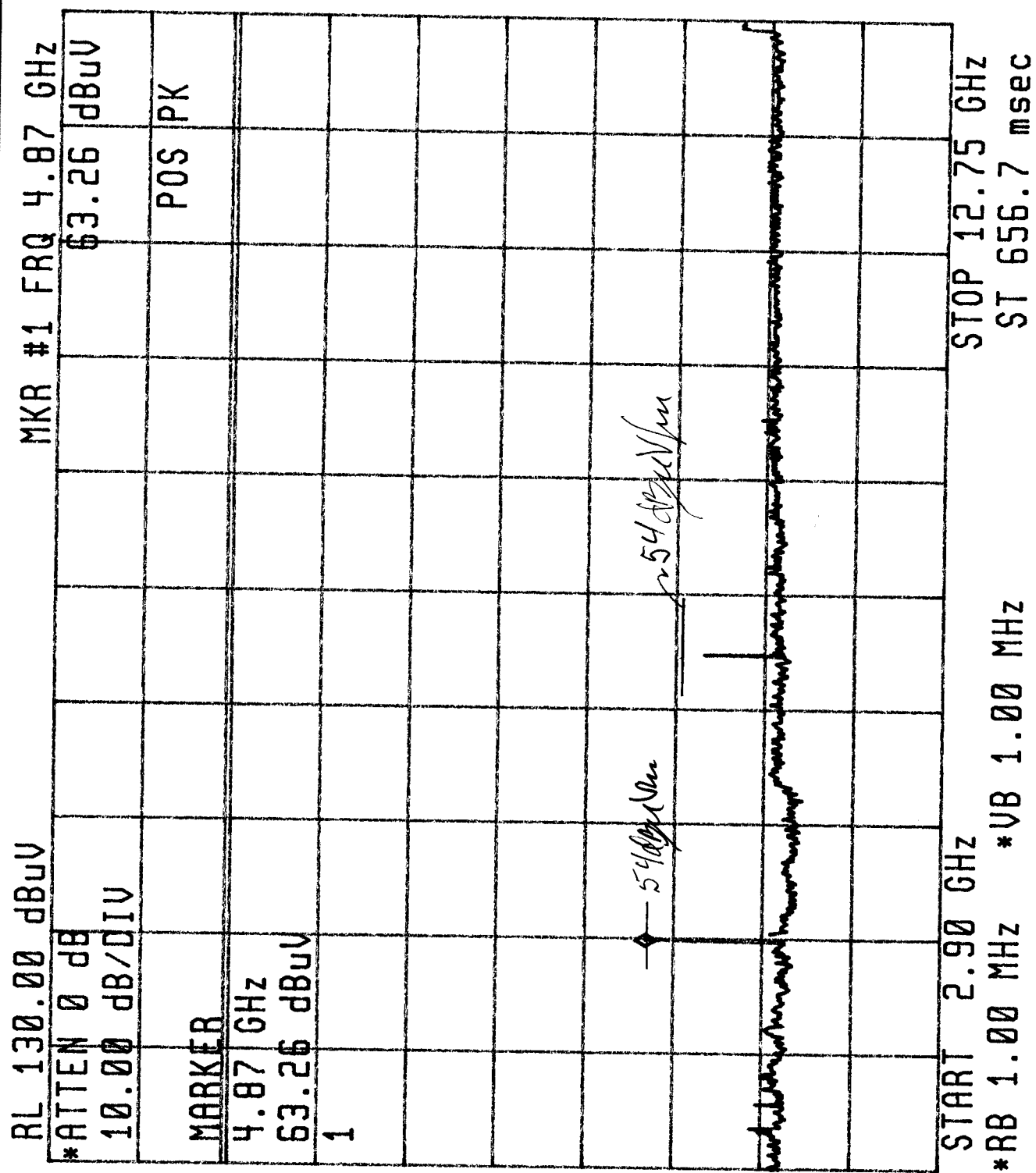
3

EXT ANT
TX CF 2441
RX HIT
WDR



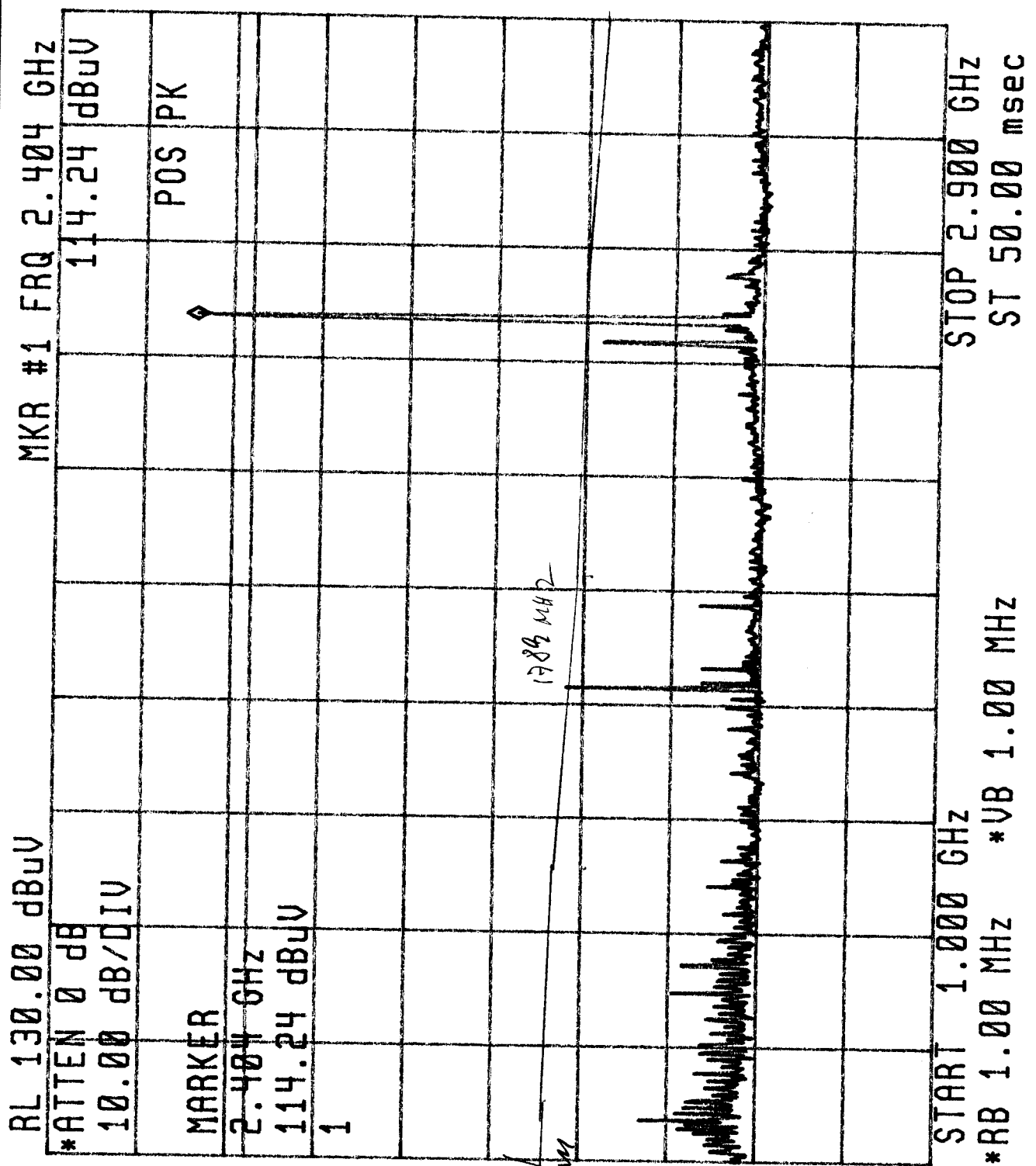
4

EXT ANT
TX CF 2441
RX HI
AOR



7

EXT ANT
TX LO 2402
RX F:
VEL

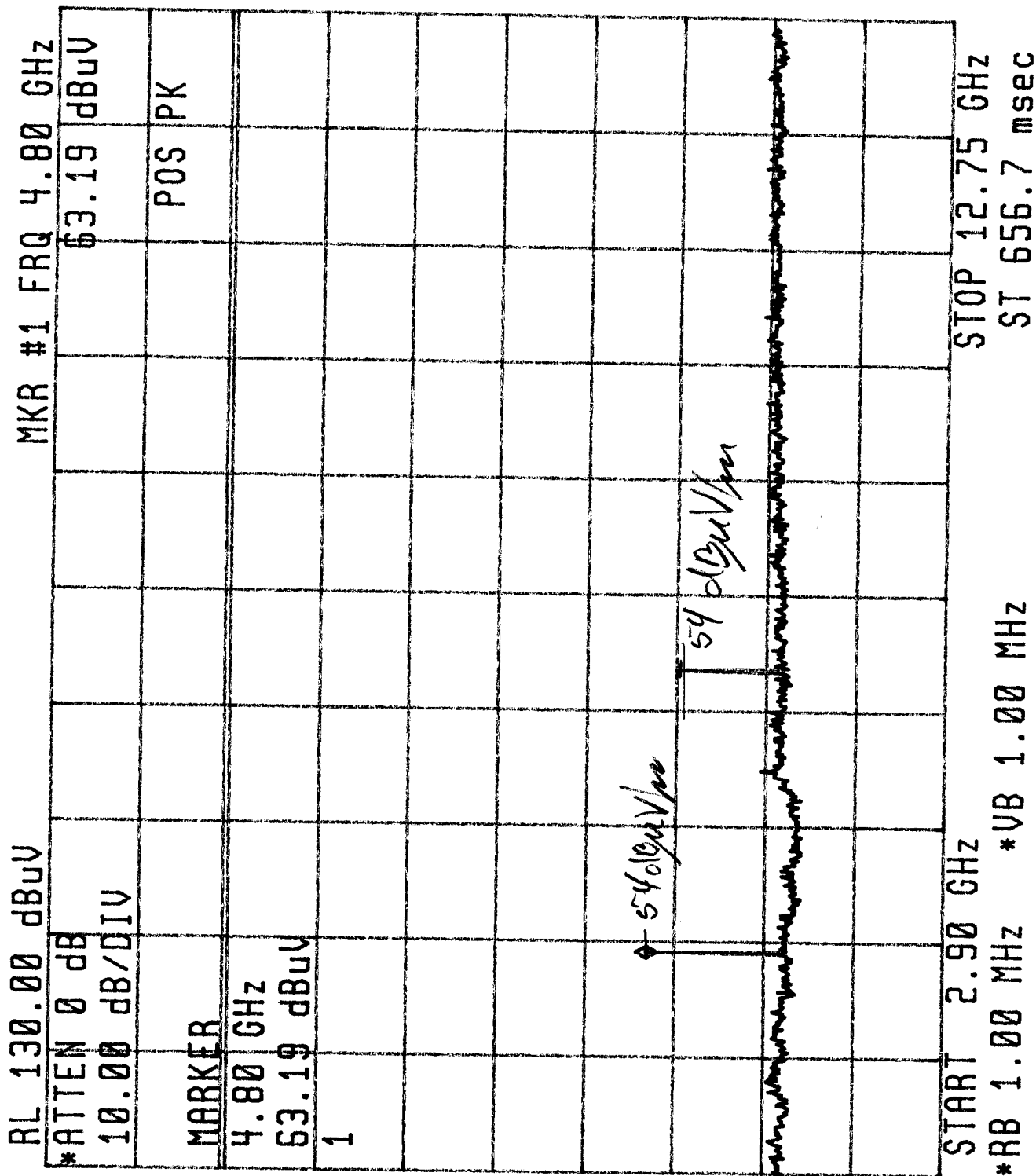


54 dBuV/m



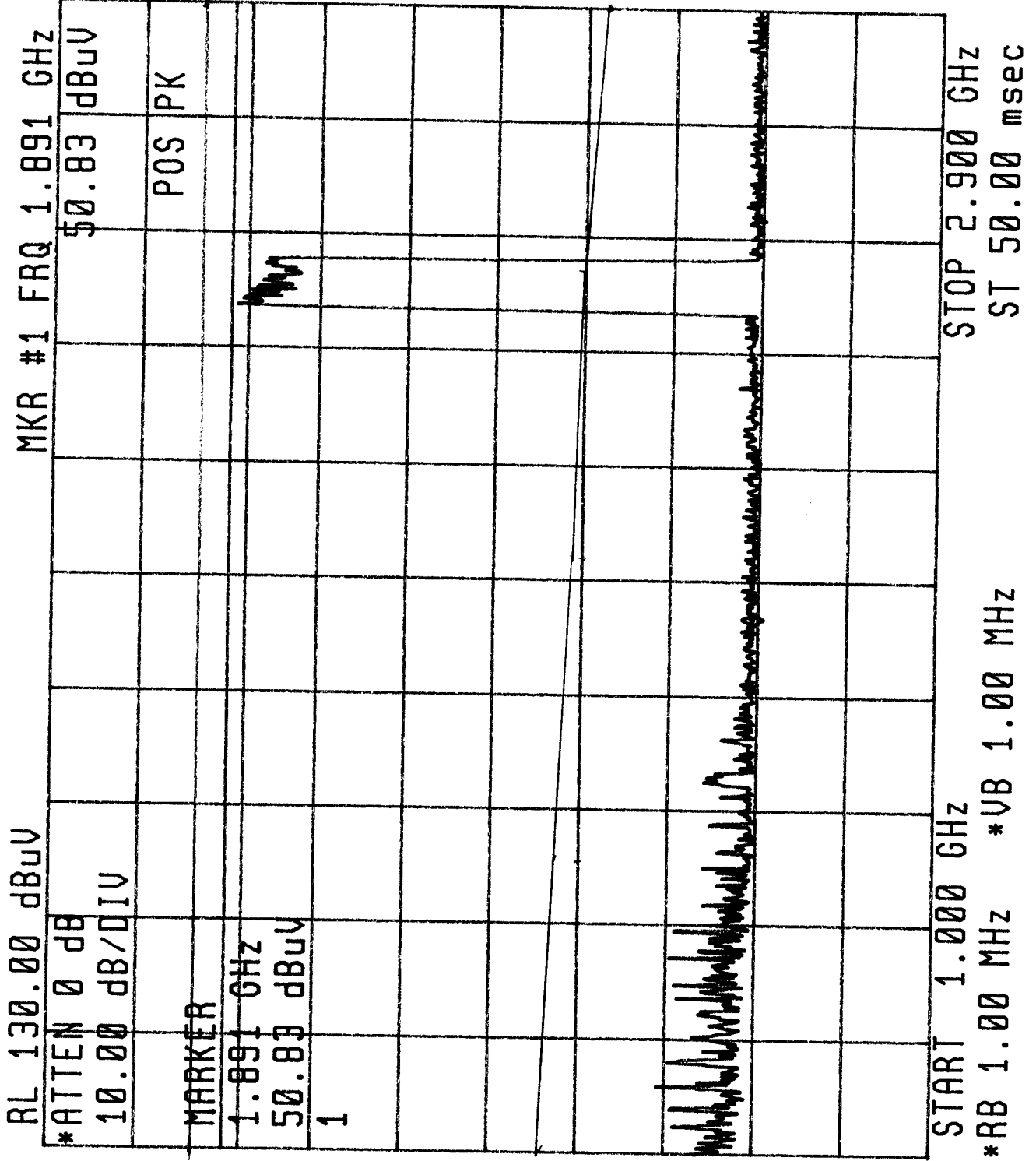
8

EXT ANT
TX LO 2402
RX Hi
VER

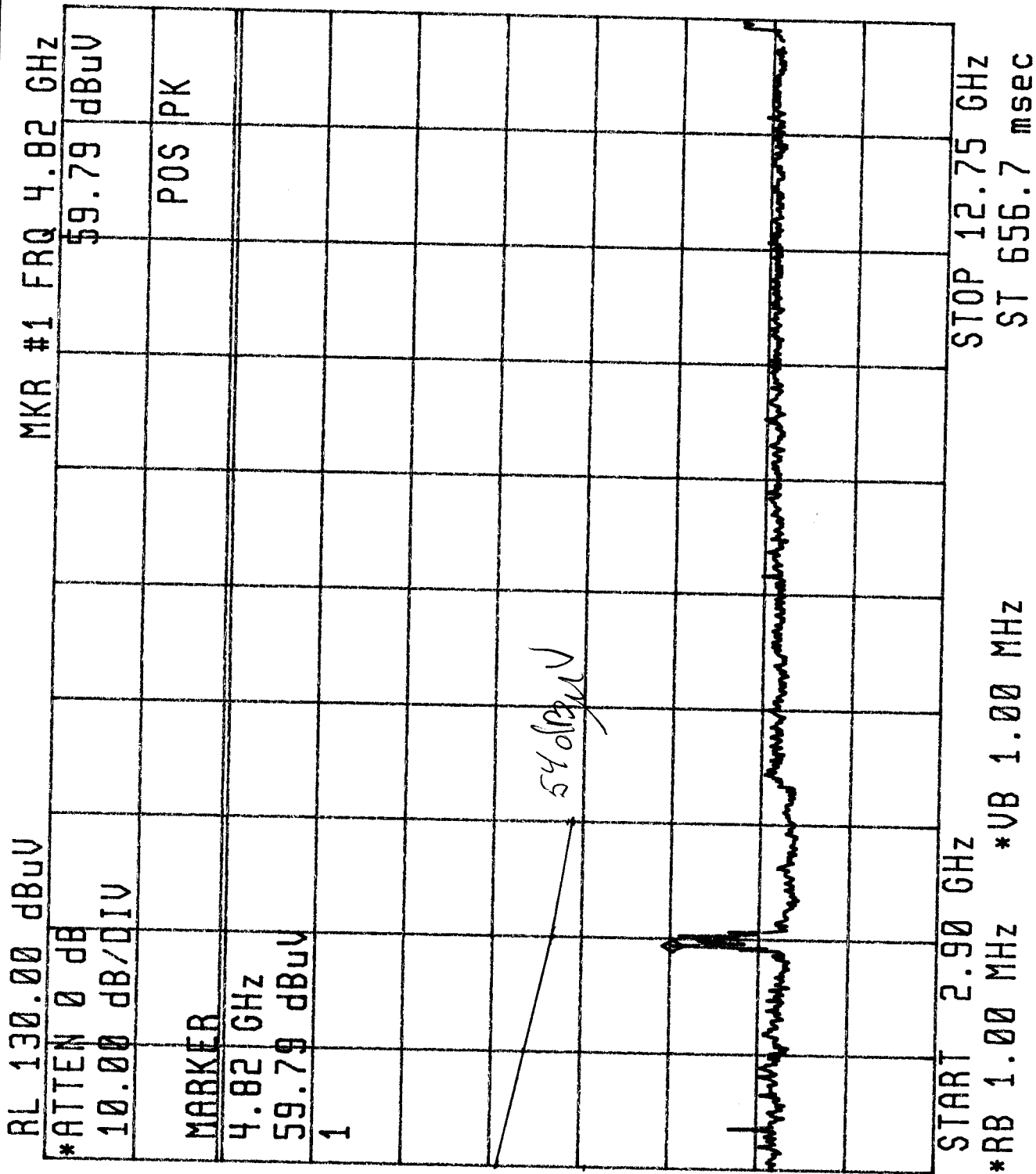


INTERVAC
A.A.
HOP-ON
HOP-ON
0dBm

54dBuV_{rms}



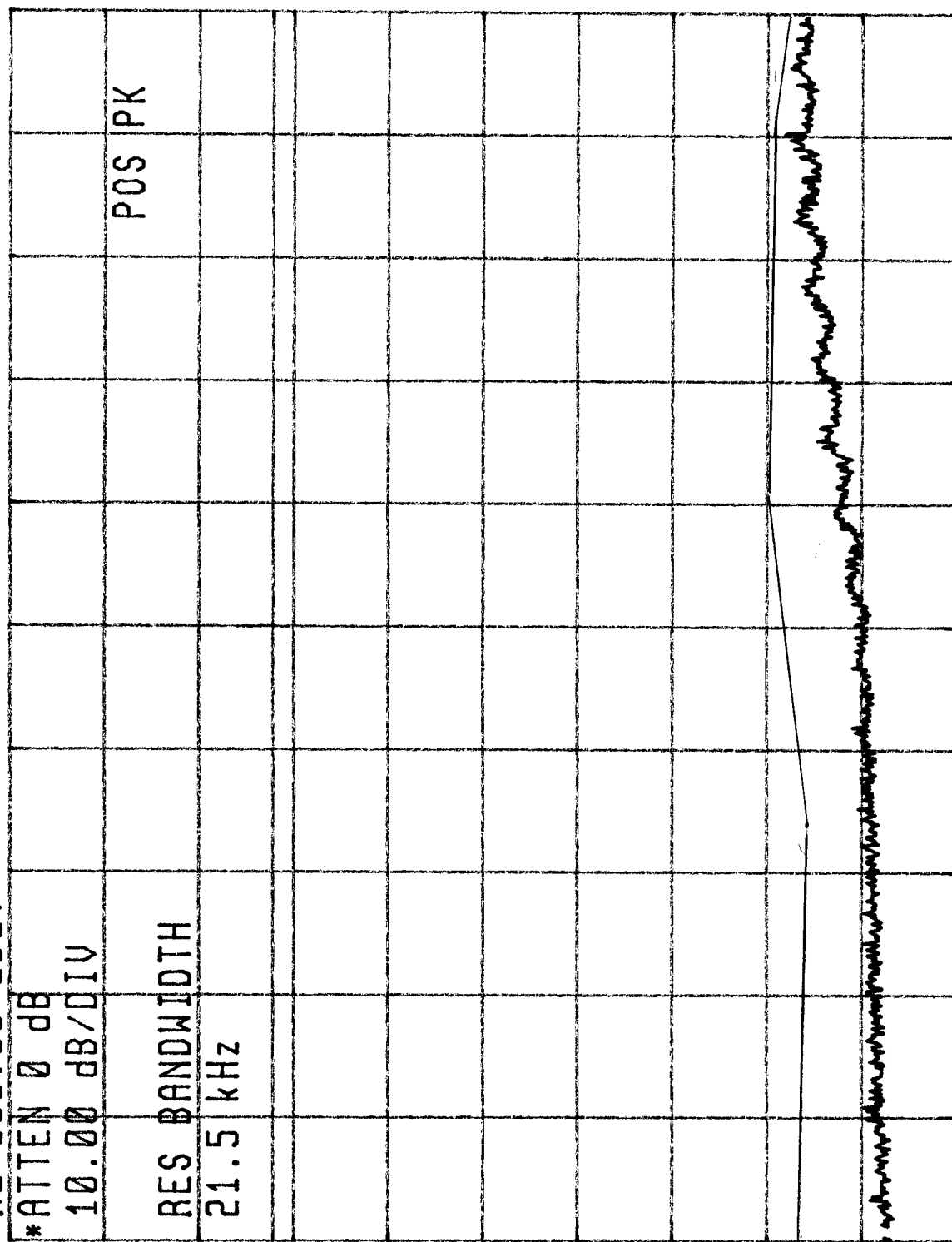
INTERNAL
APT.
HOPON
HOL



FW
VER
TXLO
RXHI

54dBuV/m

RL 130.00 dBuV



*ATTEN 0 dB

10.00 dB/DIV

RES BANDWIDTH

21.5 kHz

POS PK

START 12.750 GHz STOP 18.000 GHz

*RB 21.5 kHz *VB 300 kHz ST 34.07 sec

RL 130.00 dBuV

***ATTEN 0 DB**

10.00 dB/DIV

VIDEO BANDWIDTH

30.0 kHz

UNCOR

POS	PK
-----	----

START 18.00 GHZ

*RB 10.0 kHz

*VB 30.0 kHz

STOP 26.00 GHZ

ST 240.0 sec

77,5 dBu/h

Q, 2 m.

[mcs]

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