

Compliance Engineering Services Inc.

Project No. : 99U0607
Report No. : 991102F1
Date : 11/02/1999
Time : 11:03
Test Engr : MIKE ZHU

>> 3 M RADIATED EMISSION DATA <<

MZ

Company : MATTEL
Equipment Under Test : 49MHZ RC TOY RECEIVER, M/N:#96423
Test Configuration : EUT /SIGNAL GENERATOR
Type of Test : FCC CLASS B
Mode of Operation : NORMAL

Freq.	dBuV	PreAmp	Ant	Cable	dBuV/m	Limit	Margin	Pol	Hgt(m)	Az
#1 EUT:										
Fc=50.48Mhz										
V/X:										
Biconical 8909-1079 ; Pre-pamp = 8447D-P2 2944A07781:										
49.72	55.00	-31.58	10.44	1.81	35.67	40.00	-4.33	V	1.0	0
49.99	57.10	-31.58	10.42	1.81	37.75	40.00	-2.25	V	1.0	0
50.26	57.30	-31.58	10.40	1.81	37.93	40.00	-2.07	V	1.0	0
50.80	56.50	-31.58	10.36	1.82	37.10	40.00	-2.90	V	1.0	0
51.07	55.10	-31.58	10.34	1.83	35.69	40.00	-4.31	V	1.0	0
51.34	55.20	-31.58	10.32	1.83	35.77	40.00	-4.23	V	1.0	0
V/Y:										
49.25	50.80	-31.58	10.47	1.80	31.49	40.00	-8.51	V	1.0	0
49.45	52.00	-31.58	10.46	1.80	32.68	40.00	-7.32	V	1.0	0
49.72	53.60	-31.58	10.44	1.81	34.27	40.00	-5.73	V	1.0	0
49.98	54.10	-31.58	10.42	1.81	34.75	40.00	-5.25	V	1.0	0
50.23	52.20	-31.58	10.40	1.81	32.84	40.00	-7.16	V	1.0	0
V/Z:										
49.41	45.90	-31.58	10.46	1.80	26.58	40.00	-13.42	V	1.0	0
49.65	47.40	-31.58	10.44	1.81	28.07	40.00	-11.93	V	1.0	0
49.92	50.20	-31.58	10.43	1.81	30.85	40.00	-9.15	V	1.0	0
50.74	49.40	-31.58	10.36	1.82	30.01	40.00	-9.99	V	1.0	0
50.20	50.20	-31.58	10.40	1.81	30.84	40.00	-9.16	V	1.0	0
H/Y:										
49.21	46.00	-31.58	10.47	1.80	26.69	40.00	-13.31	V	3.0	90
49.46	48.20	-31.58	10.46	1.80	28.88	40.00	-11.12	V	3.0	90
49.73	49.90	-31.58	10.44	1.81	30.57	40.00	-9.43	V	3.0	90
49.98	51.20	-31.58	10.42	1.81	31.85	40.00	-8.15	V	3.0	90
50.26	50.50	-31.58	10.40	1.81	31.13	40.00	-8.87	V	3.0	90
50.77	49.80	-31.58	10.36	1.82	30.41	40.00	-9.59	V	3.0	90
H/Z:										
49.34	47.10	-31.58	10.46	1.80	27.79	40.00	-12.21	V	3.0	90
49.64	48.90	-31.58	10.44	1.81	29.57	40.00	-10.43	V	3.0	90
49.93	50.80	-31.58	10.42	1.81	31.45	40.00	-8.55	V	3.0	90
50.22	49.00	-31.58	10.40	1.81	29.64	40.00	-10.36	V	3.0	90
50.83	49.30	-31.58	10.36	1.82	29.90	40.00	-10.10	V	3.0	90

Total # of data 27

V. f2.2

#1

MKR 50.217 MHz
57.40 dB μ V

MATTEL, FCCID-APB96423-99A4R
REF 107.0 dB μ V ATTEN 10 dB

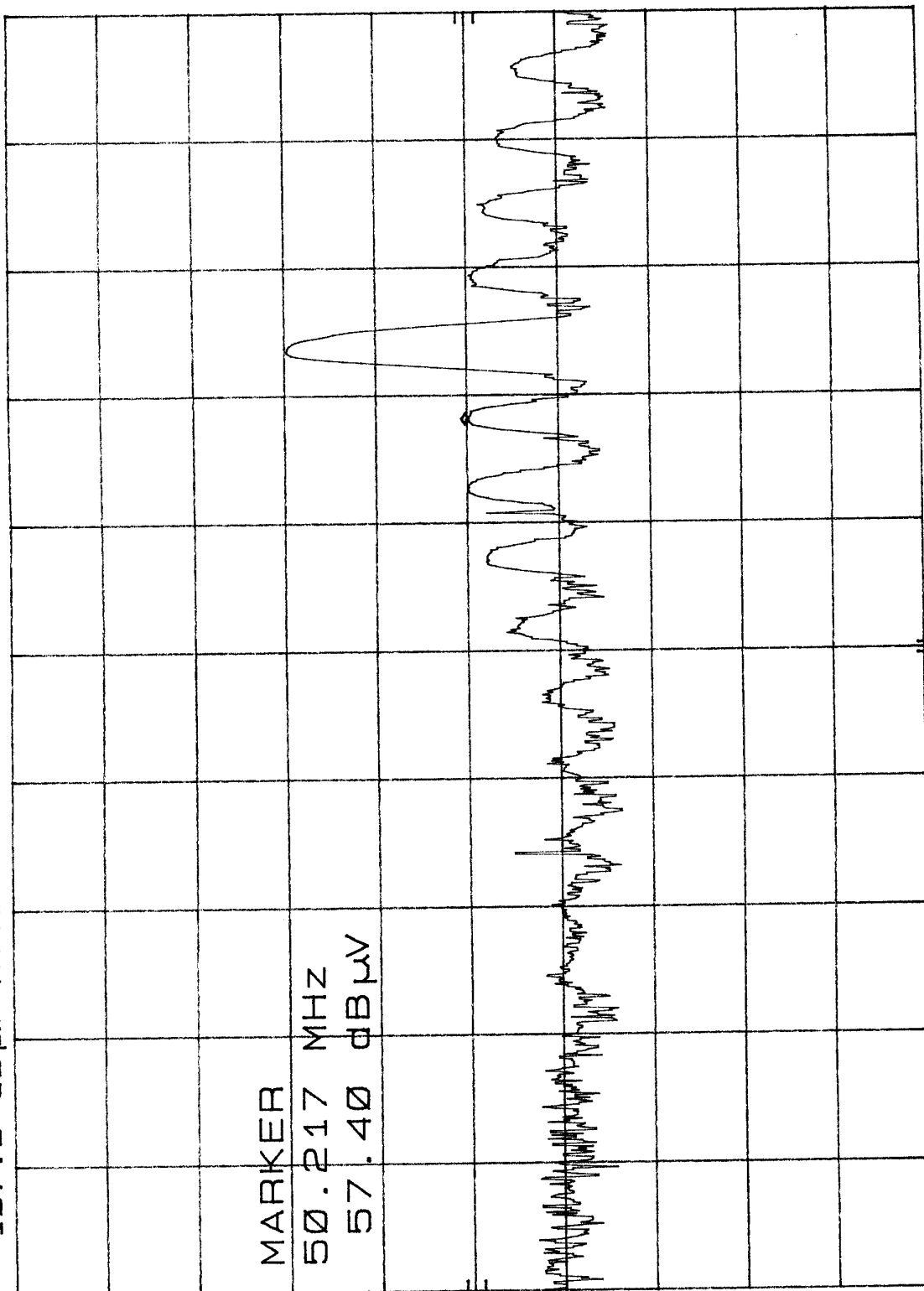
hp

10 dB/

OFFSET
10.0
dB

MARKER

50.217 MHz
57.40 dB μ V



SPAN 5.00 MHz
SWP 20.0 msec

VBW 100 kHz

CENTER 49.31 MHz
RES BW 100 kHz

1

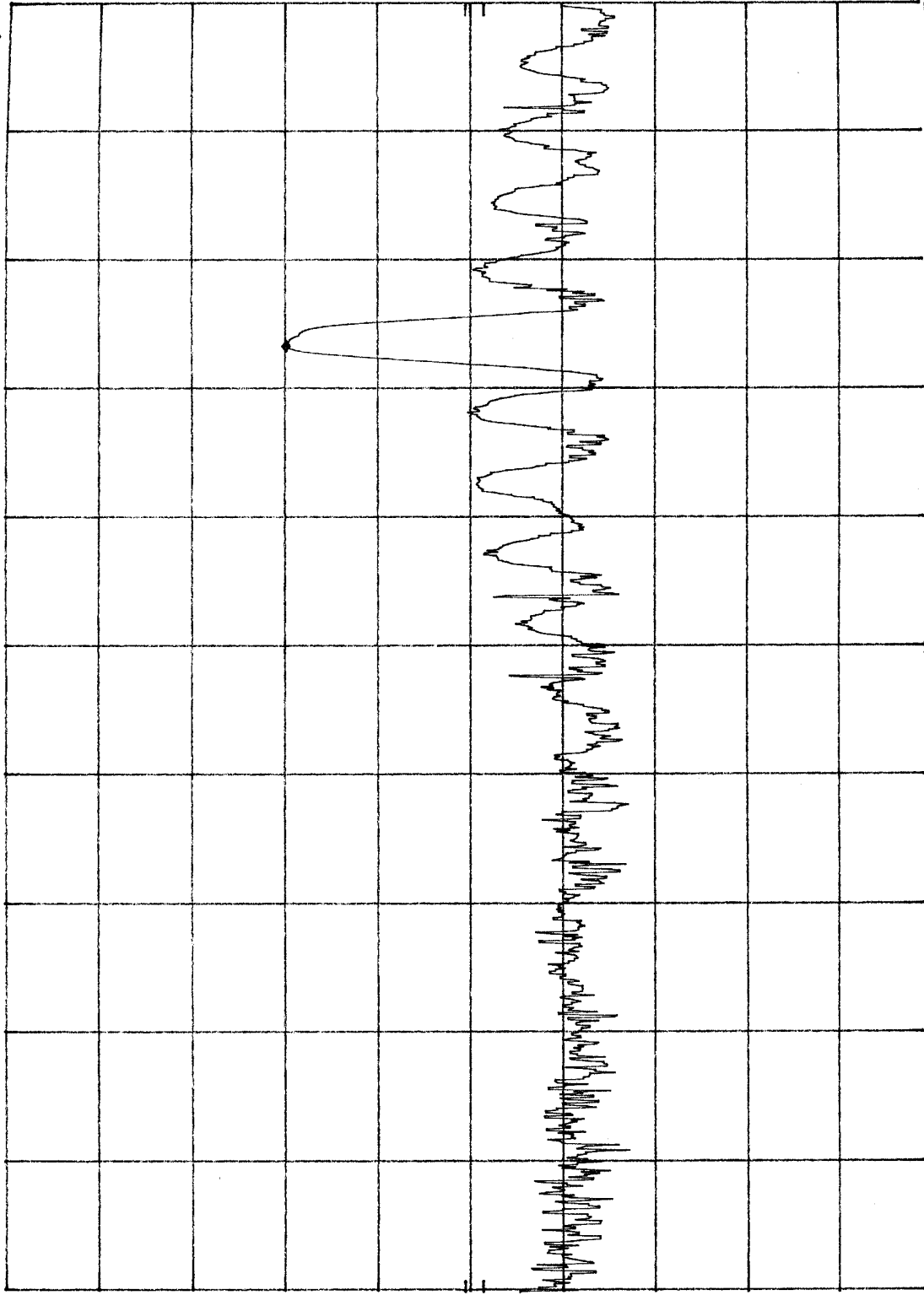
MATTEL, FCCID-APB96423-99A4R
REF 107.0 dBμV ATTEN 10 dB

MKR 50.482 MHz
77.60 dBμV

hp

10 dB/

OFFSET
10.0
dB



CENTER 49.31 MHz

RES BW 100 KHz

VBW 100 KHz

SPAN 5.00 MHz

SWP 20.0 msec