JAPAN QUALITY ASSURANCE ORGANIZATION
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REPORT OF MEASUREMENTS

JQA APPLICATION NO.: 80-81031

Applicant	: NIKKO CO., LTD. 1-7-14, Mizumoto, Katsushika-ku, Tokyo 125-0032, Japan
Manufacturer	: NIKKO ELECTRONICS BHD. PLOT 497, PRAI FREE TRADE ZONE, PRAI INDUSTRIAL ESTATE, 13600 PRAI, PENANG, MALAYSIA
Description of Equipment	: Radio Controlled Toy (Super regenerative Type)
FCC ID	: CVTRR1200Y
Trade Name	: NIKKO
Model No.	: RR1200Y
Serial No.	: None
Tuning Frequency	: 49.830 MHz – 49.890 MHz
Power Supply	: 4.8 VDC
Applicable Rule	: FCC Rules & Regulations Part 15 Subpart B (June 23, 1989)
Place of Measurement	: JQA EMC Engineering Dept.
Date of Measurement	: March 30, 1999
Total Pages of This Report	: 6 (including this page)

I certify that I am authorized to sign for the report and that all the statement in this report and in the exhibits hereto are true and correct to the best my knowledge and belief.

Shigeru Osawa

Shigeru Osawa, Engineer
Testing Div.
EMC Engineering Dept.

1. Radiated Spurious Emissions: [§15.109(a)]

Measurement Method Employed:
Measurements were made under the conditions specified ANSI C63.4.
The field strength measurements of the equipment under test were made at the distance of 3 meters away from the device which was placed on the wooden turntable 0.8 meter in height.
The receiving antenna polarized horizontally was varied from 1 to 4 meters and the wooden turntable was rotated through 360 degrees to obtain the highest reading on the field strength meter.
These measurements were repeated with the receiving antenna polarized vertically.
The internal pre-amplifier was used from 30 MHz up to 1000 MHz.

Measurement Results:

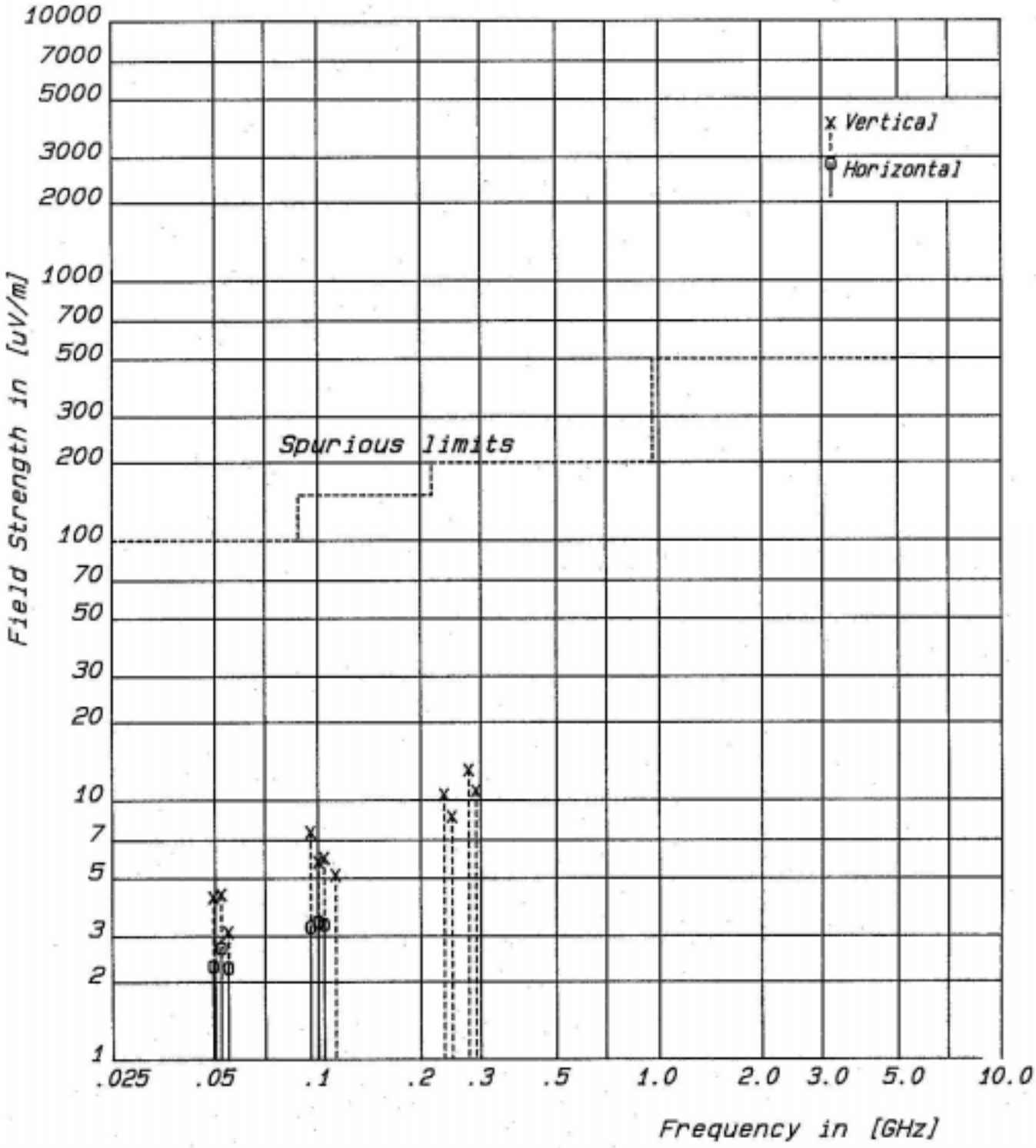
Tuning Frequency : 49.860 MHz
Distance of Measurement : 3.0 meters

Frequency (MHz)	Antenna Factor (dB)	Meter Reading Horizontal (dB/μV)	Meter Reading Vertical (dB/μV)	Field Strength at 3 m Horizontal (μV/m)	Field Strength at 3 m Vertical (μV/m)
49.359	3.5	3.7	9.0	2.3	4.2
52.037	4.0	4.6	8.7	2.7	4.3
54.583	4.4	2.7	5.4	2.3	3.1
95.004	9.5	0.7	8.0	3.2	7.5
100.078	10.0	0.6	5.2	3.4	5.8
104.181	10.3	0.1	5.2	3.3	6.0
112.500	11.0	< -5.0	3.2	< 2.0	5.1
234.000	17.9	< -5.0	2.5	< 4.4	10.5
246.563	18.4	< -5.0	0.3	< 4.7	8.6
275.979	19.5	< -5.0	2.8	< 5.3	13.0
289.983	20.0	< -5.0	0.7	< 5.6	10.8

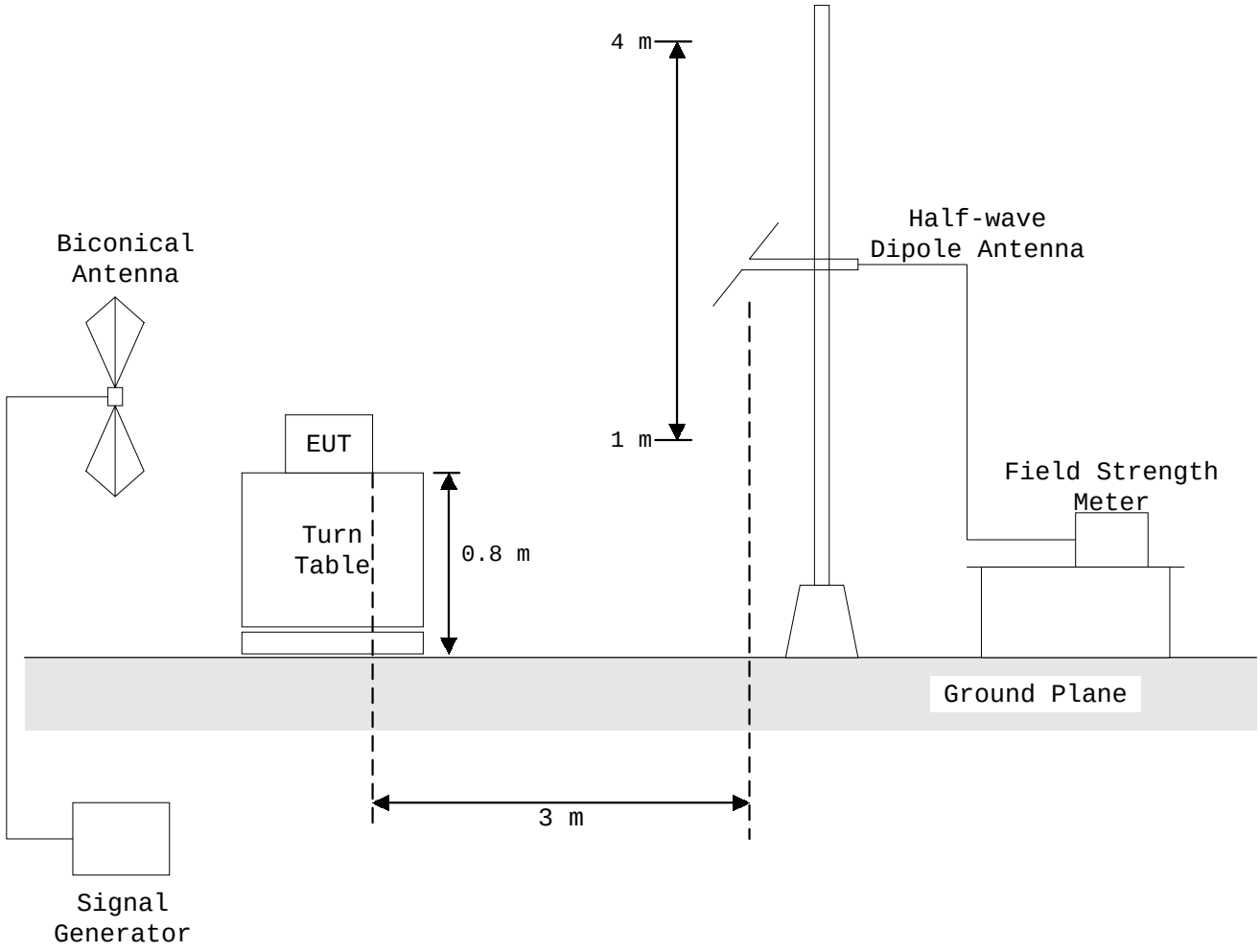
Note: 1. The spectrum was checked from 30 MHz to 1000 MHz.
All emissions not listed were found to be more than 20 dB below the limits.
2. The symbol of “<” means “or less”.
3. The cable loss was included in the antenna factor.
4. Sample calculation :
At 49.359 MHz
$10^{(Af+Mr)/20} = 10^{(3.5+9.0)/20} = 4.2\ \mu V/m$
Where,
Af = Antenna Factor including the cable loss.
Mr = Meter Reading
5. Measuring Instrument Setting:
Detector function : CISPR quasi-peak
IF Bandwidth : 120 kHz

Radiated Spurious Emission

FCC ID : CVTRR1200Y
Tuning Frequency : 49.860 MHz



MEASUREMENT SET-UP FOR RADIATED EMISSIONS



Configuration of EUT

LIST OF MEASUREMENT EQUIPMENT

Equipment (Model No.)	Manufacturer	Date of Cal.
1. Field Strength Meter		
ESVP	Rohde & Schwarz	May 1998
2. Tuned Dipole Antenna		
KBA-511	Kyoritsu Electrical Works	November 1998
KBA-611	Kyoritsu Electrical Works	November 1998
3. Signal Generator		
TR4511	ADVANTEST	May 1998
4. Biconical Antenna		
94455-1	EMCO	-