



JAPAN QUALITY ASSURANCE ORGANIZATION
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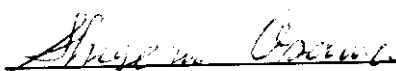
FCC ID : CVT604214TA

REPORT OF MEASUREMENTS

Date : October 14, 1998
Issue in : Tokyo, Japan

JOA APPLICATION NO.: 80-80499

1. Applicant : NIKKO CO., LTD.
1-7-14 Mizumoto, Katsushika-ku, Tokyo
125-0032, Japan
2. Manufacturer : NIKKO ELECTRONICS BHD.
PLOT 497, PRAI FREE TRADE ZONE,
PRAI INDUSTRIAL ESTATE, 13600 PRAI,
PENANG, MALAYSIA
3. Description of Equipment : Radio Controlled Toy
 - a) FCC ID : CVT604214TA
 - b) Trade Name : NIKKO
 - c) Model No. : 604214TA
 - d) Operating Frequency Range : 49.830 MHz - 49.890 MHz
 - e) Power Supply : Battery 9.0 VDC
4. Applicable Rule : FCC Rules & Regulations Part 15
Subpart C (June 23, 1989)
5. Place of Measurement : JQA EMC Engineering Dept.
6. Date of Measurement : October 6, 1998 (Completed)
7. Total Pages of This Report : 21 (including this page)
8. 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, Assistant Manager
Testing Div.
EMC Engineering Dept.

JQA APPLICATION NO.: 80-80499

1. Radiated Spurious Emission: [§15.235(a),(b)]

Measurement Method Employed: 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 360 degrees to obtain the highest reading on the field strength meter. The device was tested three orthogonal planes. These measurements were repeated with the receiving antenna polarized vertically.

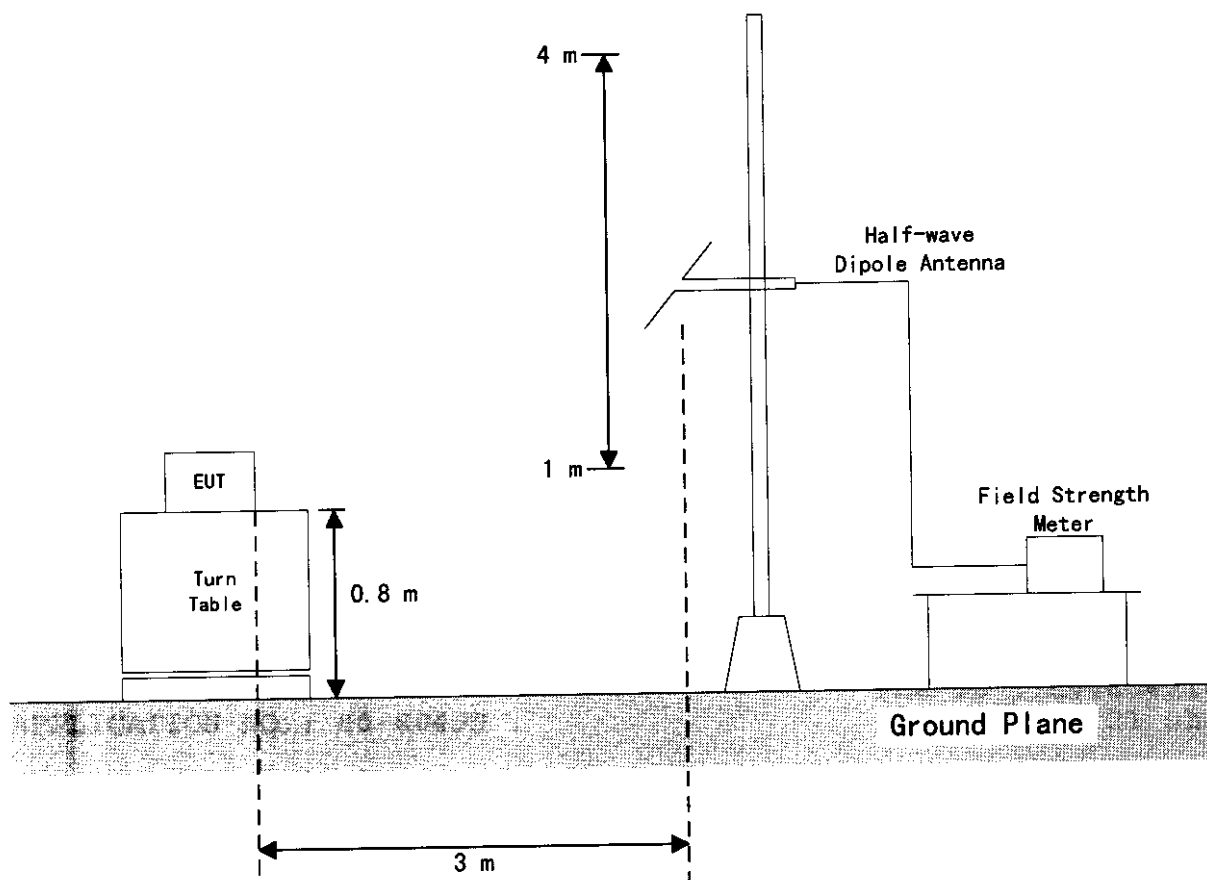
The internal pre-amplifier was used from 30 MHz up to 1000 MHz. During these measurements, a fresh battery was used for the maximum radiation from the EUT.

Measurement Results:

Operating Frequency : 49.860 MHz
Distance of Measurement : 3.0 meters

Frequency (MHz)	Antenna	Meter Reading		Field Strength at 3 m	
	Factor	Horiz.	Vert.	Horiz.	Vert.
	(dB)	(dB/uV)	(dB/uV)	(uV/m)	(uV/m)
Fundamental					
49.860	4.2	59.0	57.2	1445.4	1174.9 (Average)
49.860	4.2	65.2	63.5	2951.2	2426.6 (Peak)
Harmonics & other Frequency components					
99.720	10.9	23.3	21.4	51.3	41.2
149.580	15.0	12.7	6.0	24.3	11.2
199.440	18.0	1.0	< -5.0	8.9	< 4.5
249.300	20.4	6.8	4.4	22.9	17.4
299.160	22.4	-0.4	< -5.0	12.6	< 7.4
349.020	24.1	< -5.0	< -5.0	9.0 or less	
398.880	25.6	< -5.0	< -5.0	10.7 or Less	
448.740	26.9	< -5.0	< -5.0	12.4 or Less	
498.600	28.1	< -5.0	< -5.0	14.3 or less	
548.460	29.4	< -5.0	< -5.0	16.6 or less	
598.320	30.5	< -5.0	< -5.0	18.8 or less	
648.180	31.6	< -5.0	< -5.0	21.4 or less	
698.040	32.5	< -5.0	< -5.0	23.7 or less	
747.900	33.5	< -5.0	< -5.0	26.6 or less	
797.760	34.3	< -5.0	< -5.0	29.2 or less	
847.620	35.2	< -5.0	< -5.0	32.4 or less	
897.480	35.9	< -5.0	< -5.0	35.1 or less	
947.340	36.7	< -5.0	< -5.0	38.5 or less	
997.200	37.4	< -5.0	< -5.0	41.7 or less	

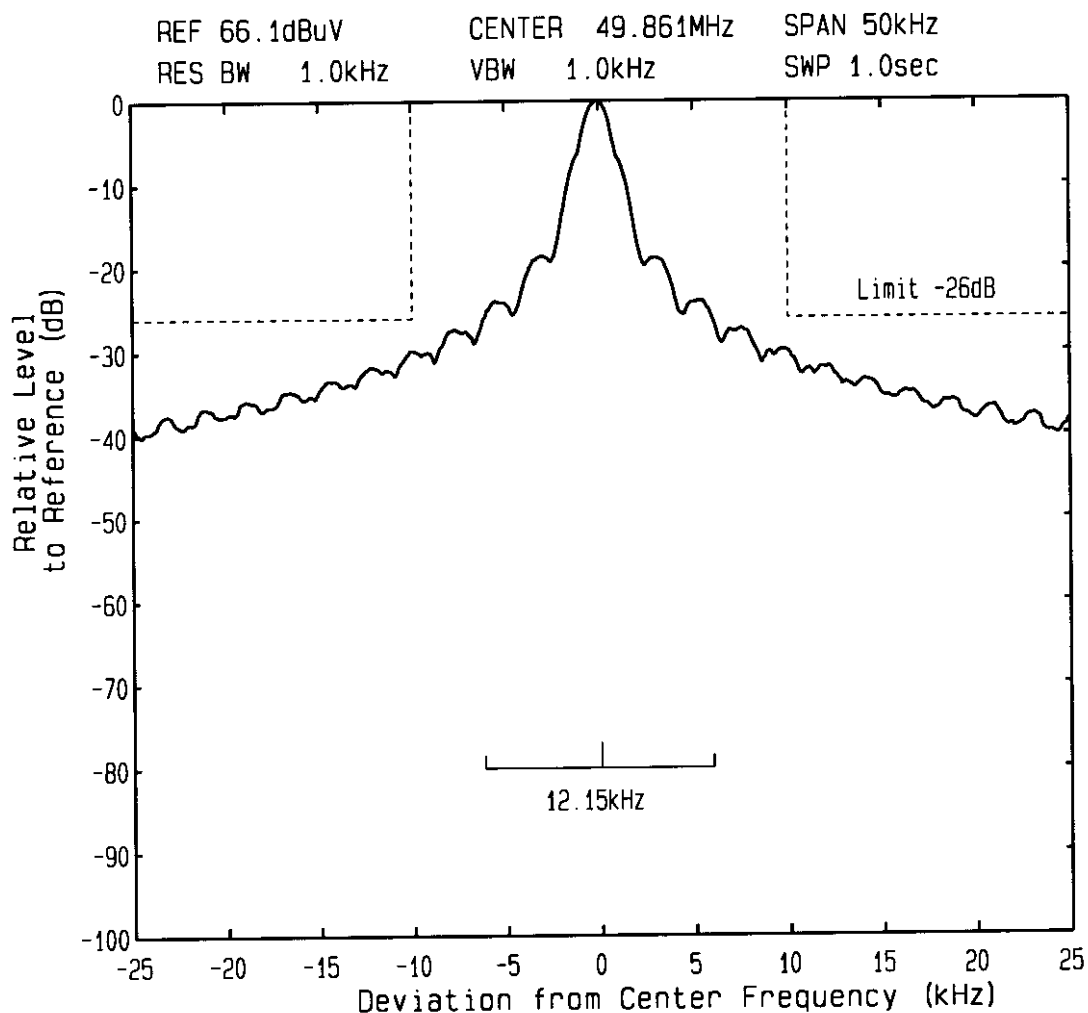
MEASUREMENT SET-UP FOR RADIATED EMISSIONS



Emission Limitation

FCC ID : CVT604214TA
Model : 604214TA

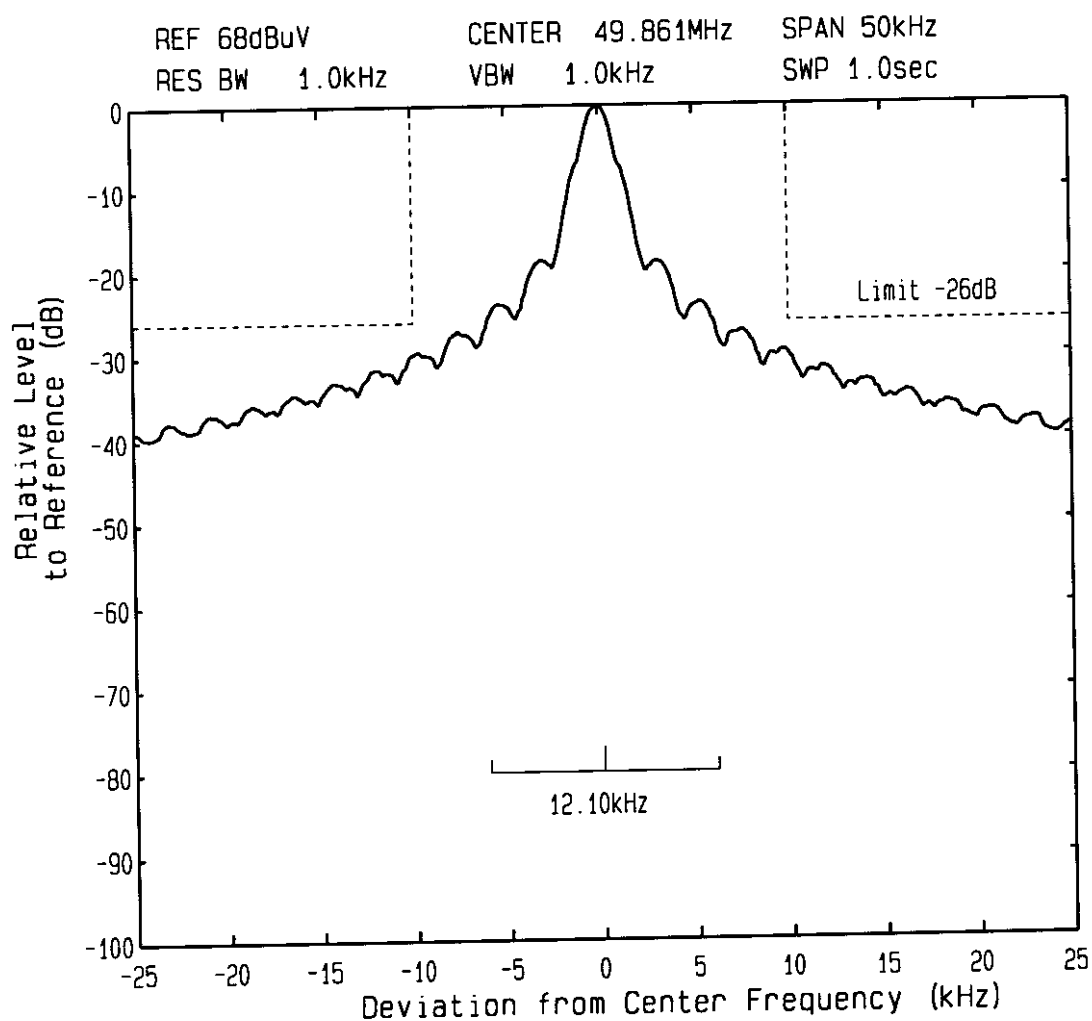
Mode of EUT : Forward (Low)



Emission Limitation

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Model : 604214TA

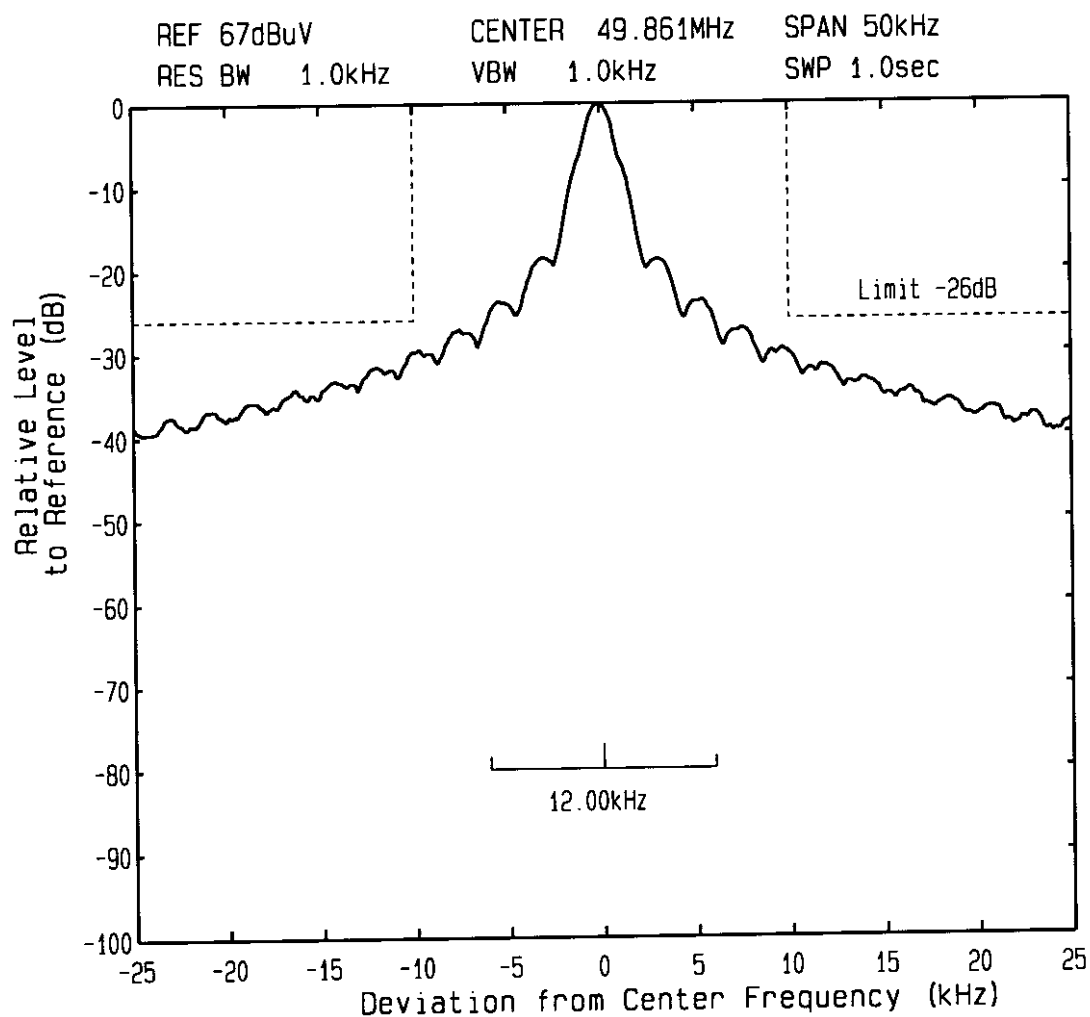
Mode of EUT : Left



Emission Limitation

FCC ID : CVT604214TA
Model : 604214TA

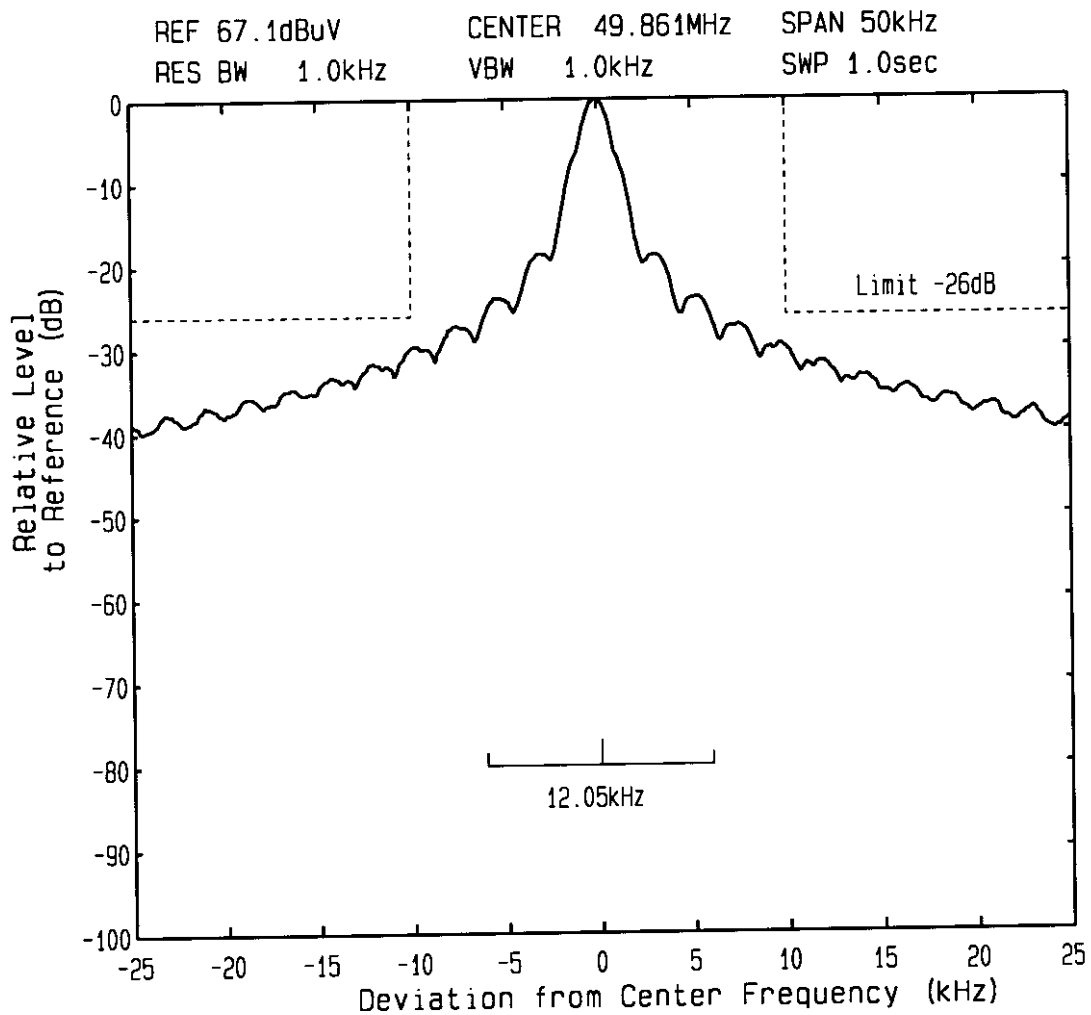
Mode of EUT : Forward (Low) Right



Emission Limitation

FCC ID : CVT604214TA
Model : 604214TA

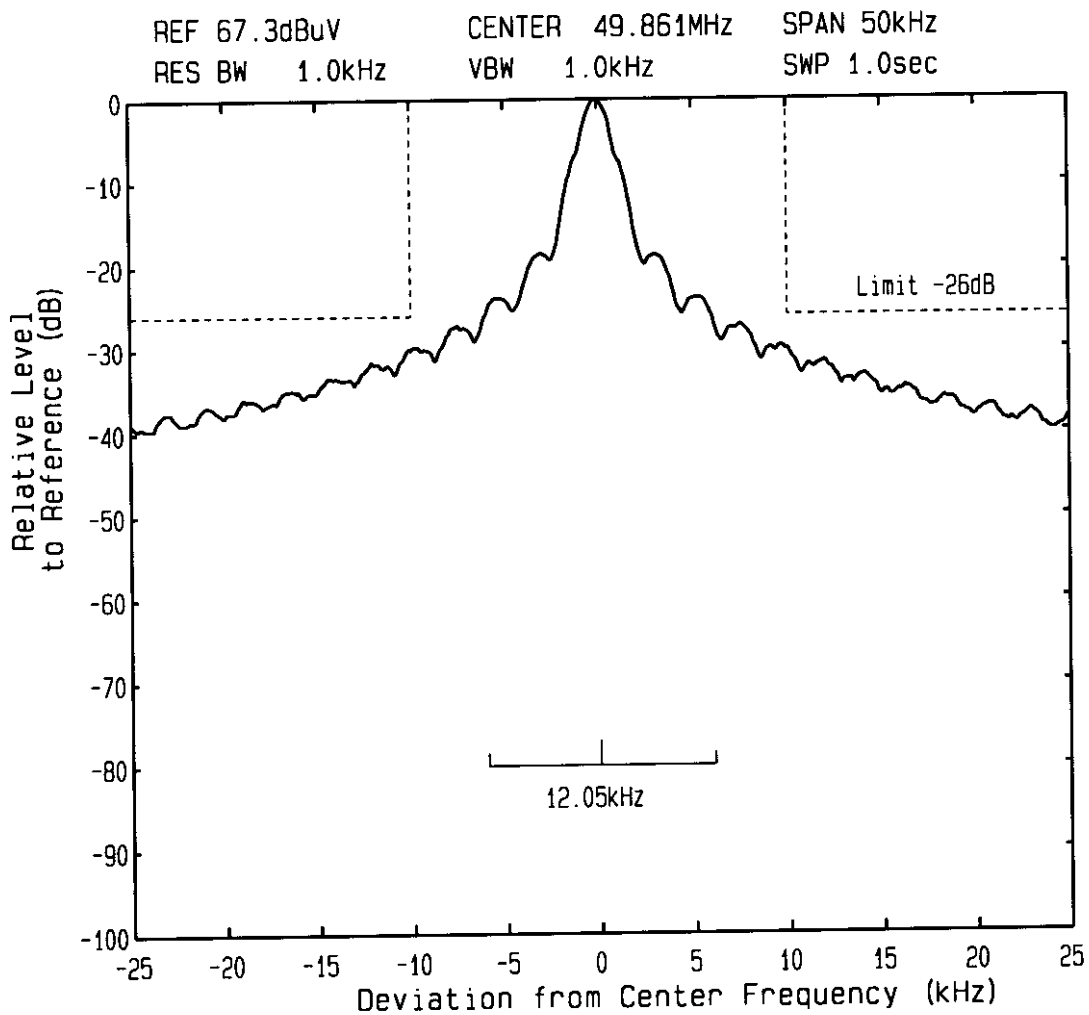
Mode of EUT : Forward (High) Right



Emission Limitation

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Model : 604214TA

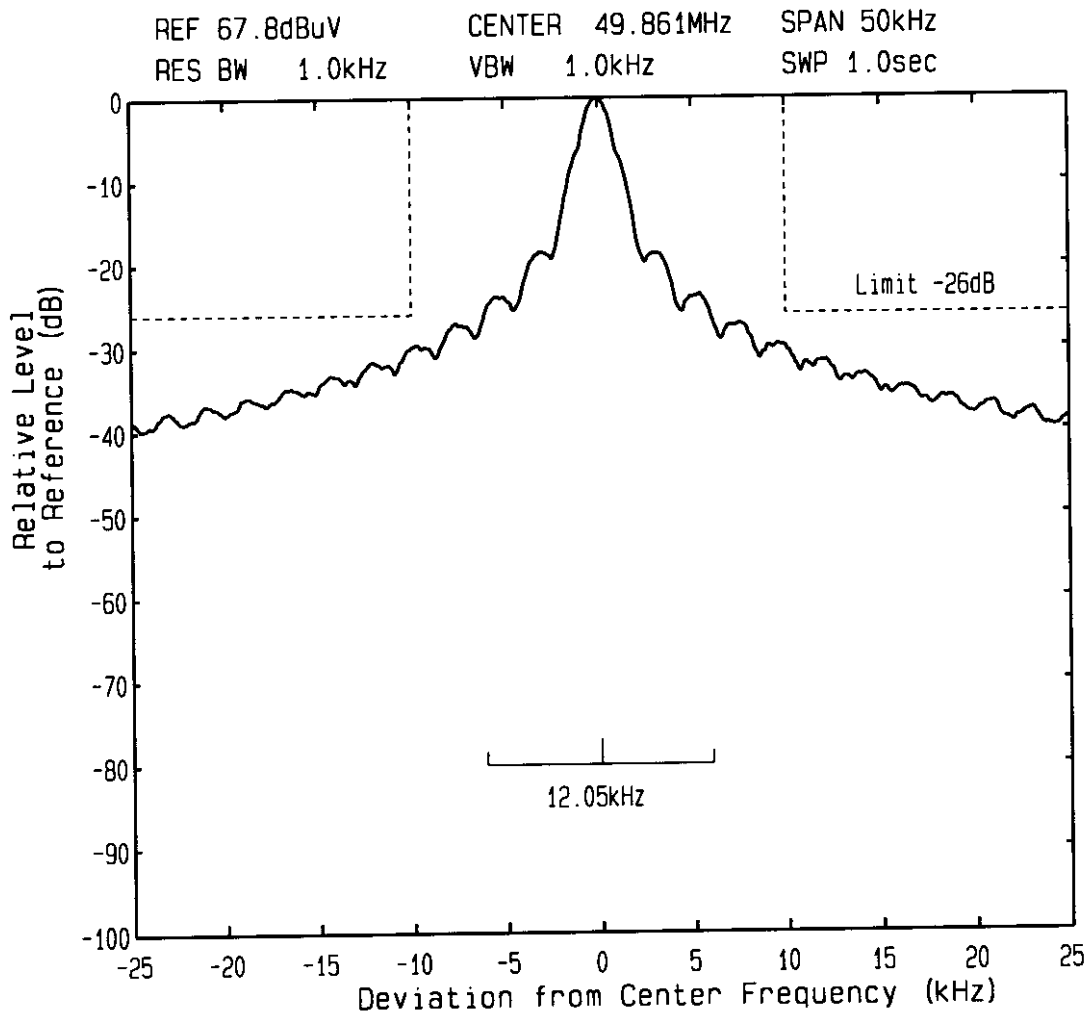
Mode of EUT : Forward (Low) Left



Emission Limitation

FCC ID : CVT604214TA
Model : 604214TA

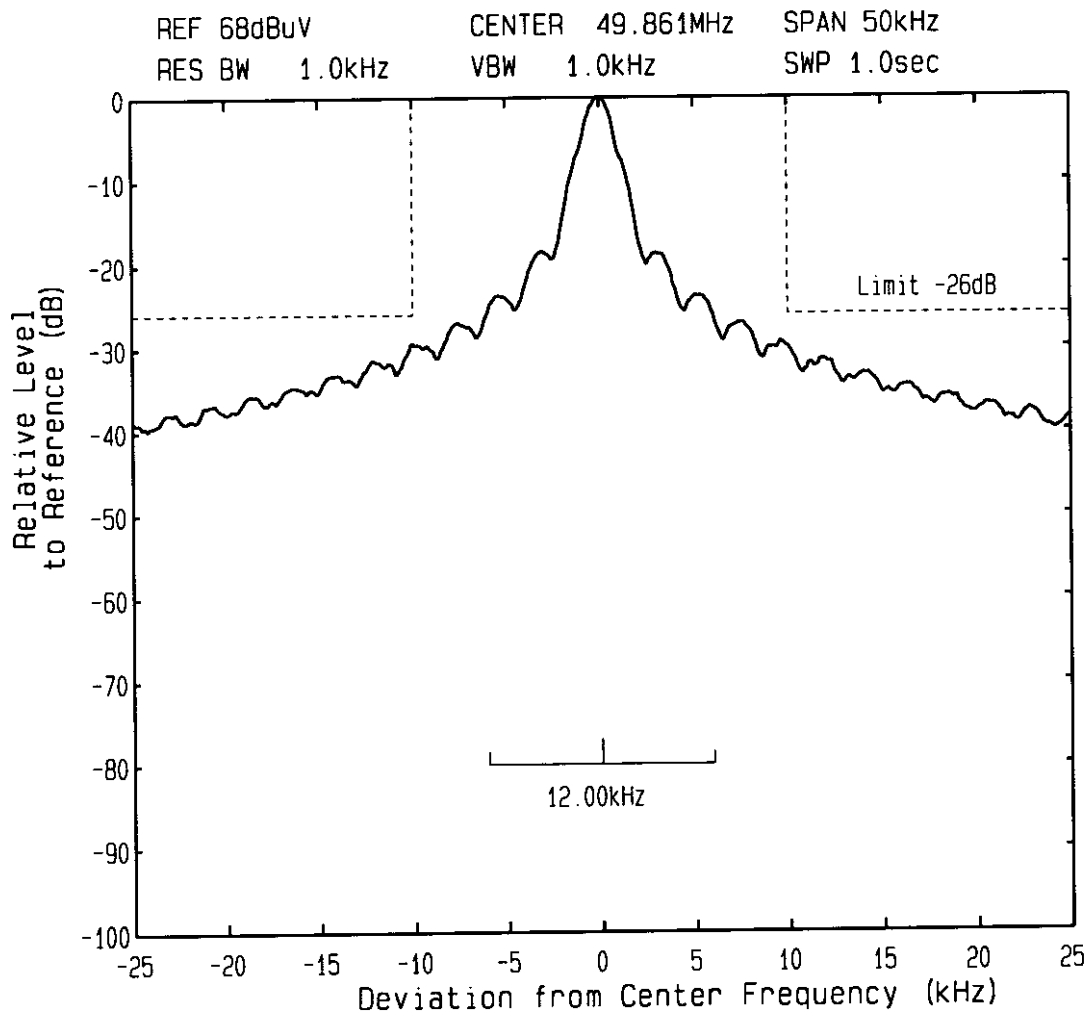
Mode of EUT : Forward (High) Left



Emission Limitation

FCC ID : CVT604214TA
Model : 604214TA

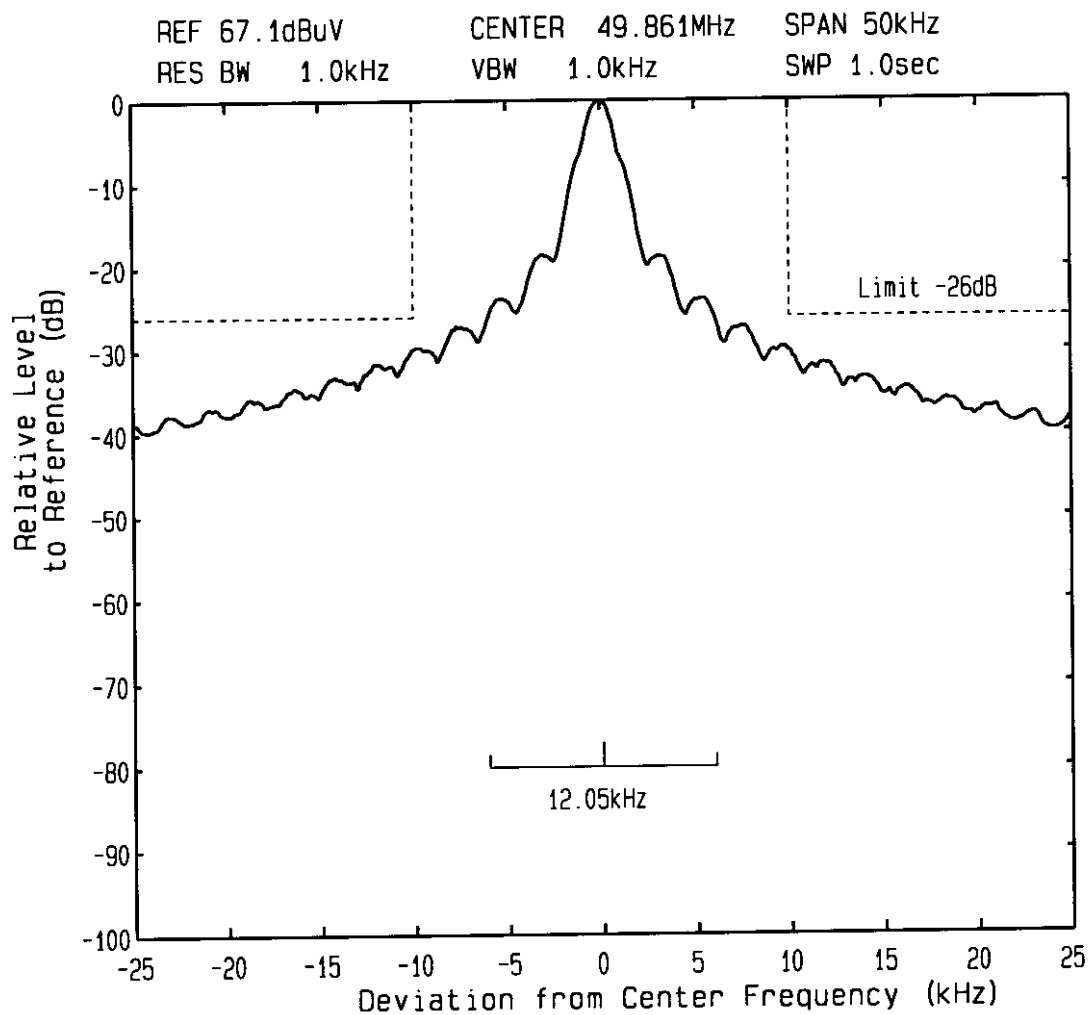
Mode of EUT : Reverse



Emission Limitation

FCC ID : CVT604214TA
Model : 604214TA

Mode of EUT : Reverse Right

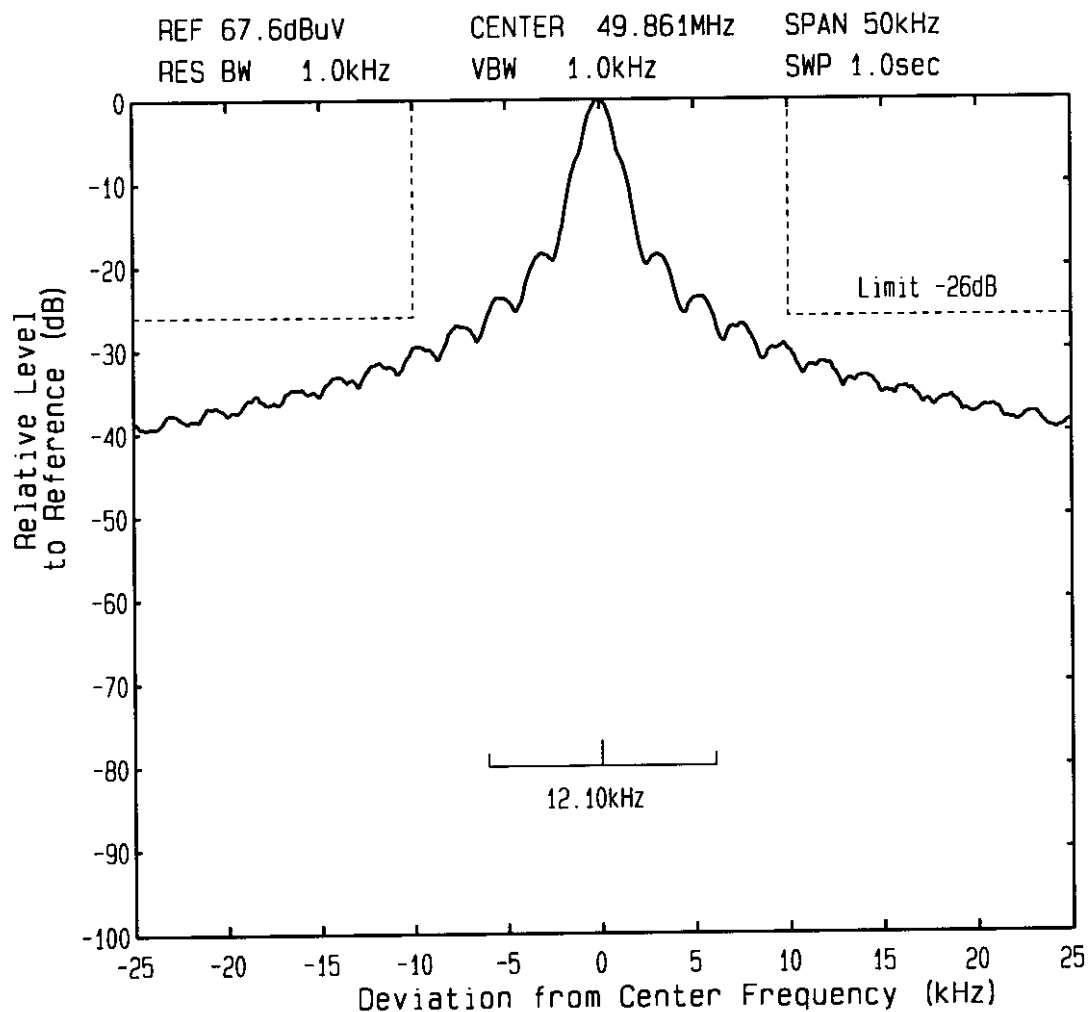


Emission Limitation

FCC ID : CVT604214TA

Model : 604214TA

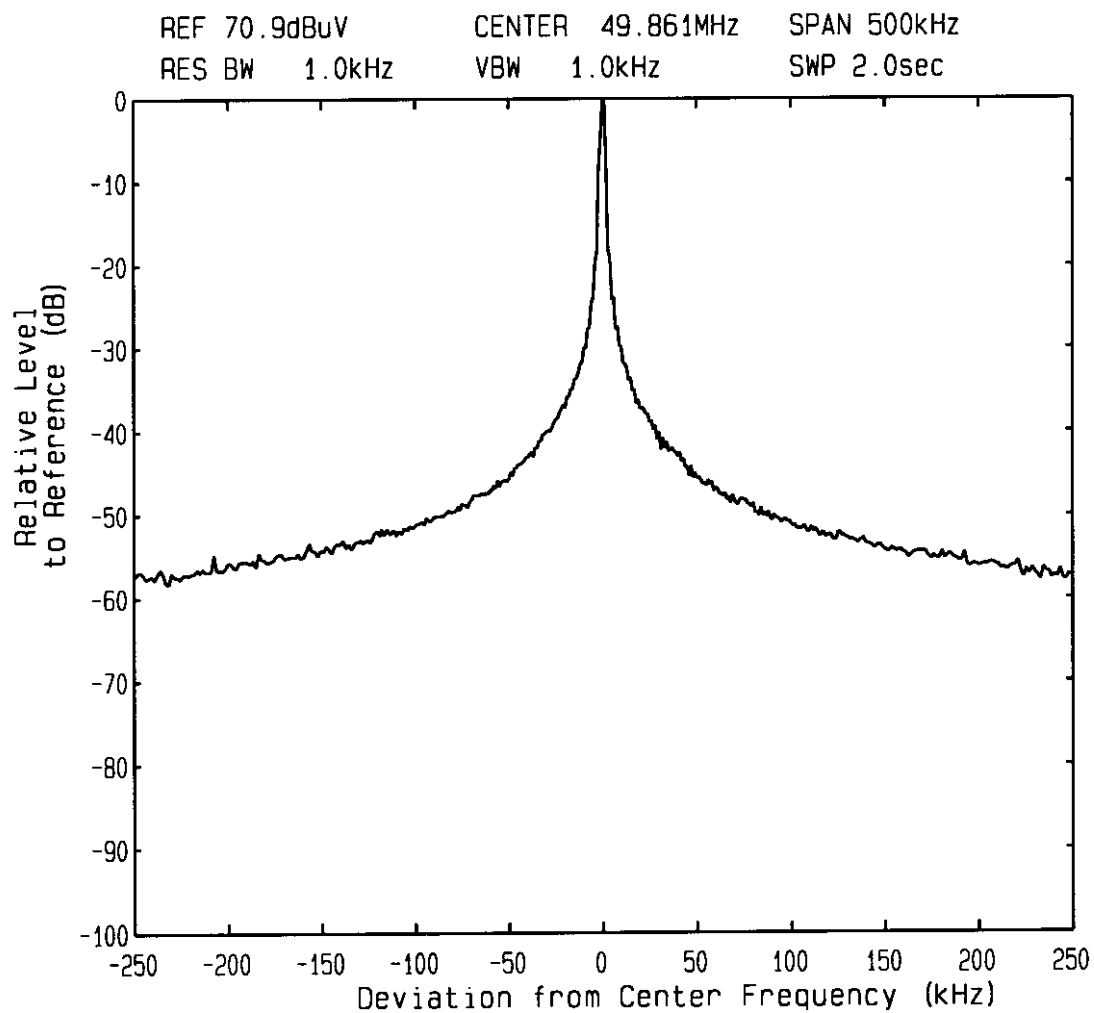
Mode of EUT : Reverse Left



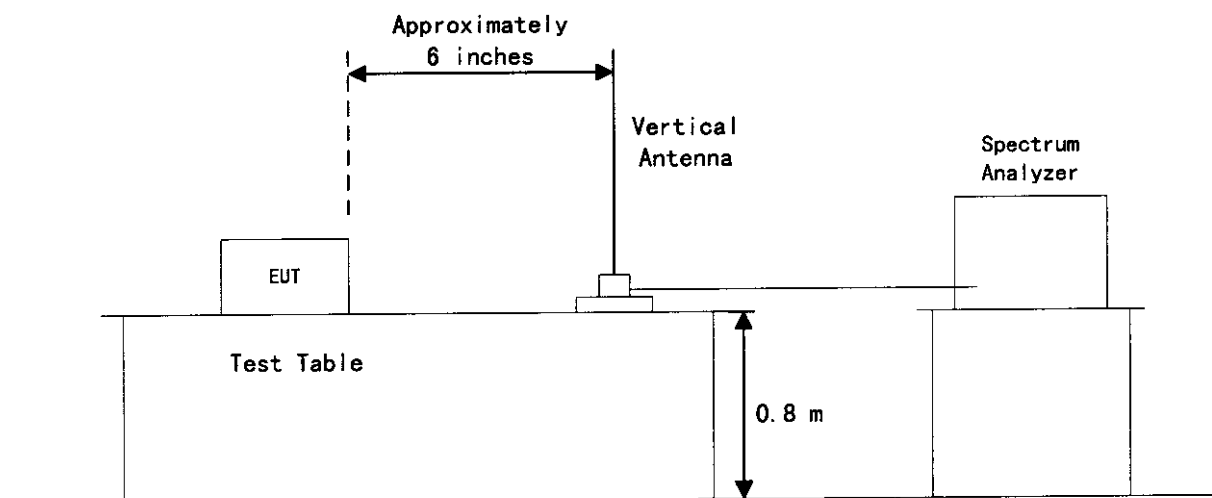
Emission Limitation

FCC ID : CVT604214TA
Model : 604214TA

Mode of EUT : Forward (Low)



MESUREMENT SET-UP FOR BAND WIDTH



LIST OF MEASUREMENT EQUIPMENT

<u>Equipment (Model No.)</u>	<u>Manufacturer</u>	<u>Date of Cal.</u>
1. Field Strength Meter		
ESVP	Rohde & Schwarz	May 1998
2. Spectrum Analyzer		
8566B	Hewlett Packard Inc.	April 1998
3. Tuned Dipole Antenna		
KBA-511	Kyoritsu Electrical Works	November 1997
KBA-611	Kyoritsu Electrical Works	November 1997
4. Vertical Antenna		
91972-2	Stoddard Aircraft Radio Co., Ltd.	-

Transmitter Fundamental & Spurious Radiation

FCC ID : CVT604214TA
Operating Frequency : 49.860 MHz

