

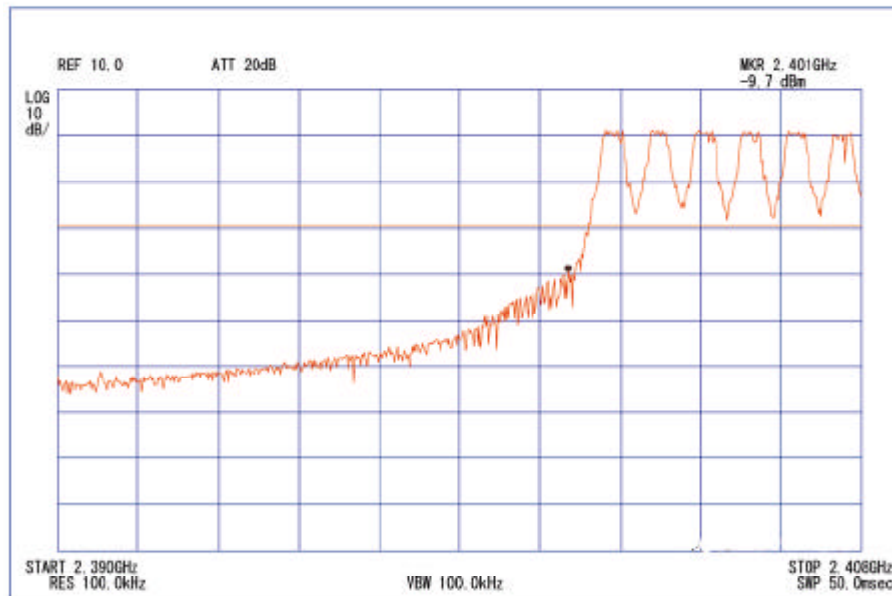
Appendix F

Appendix F

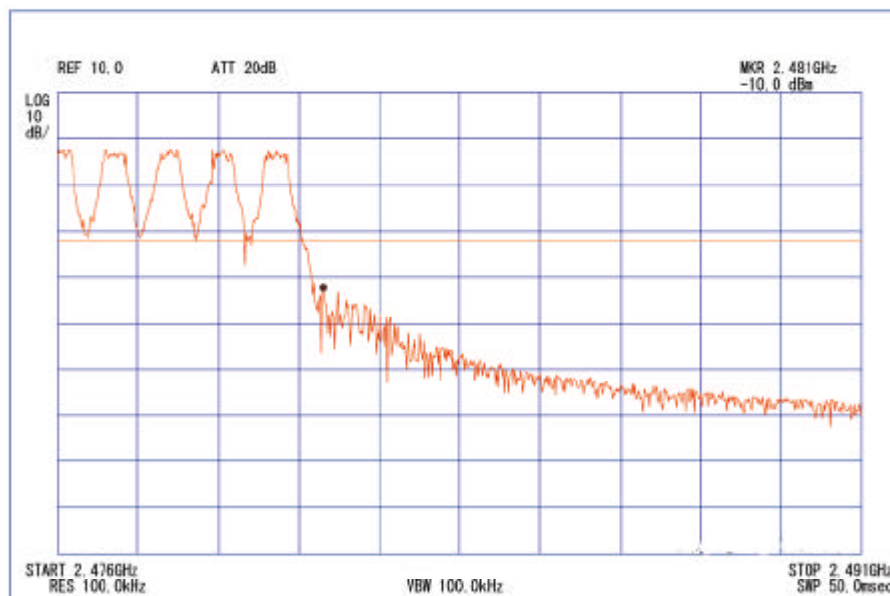
***Band Edge Compliance of RF Conducted Emissions
Trace Data***

- Hopping -

Channel Low : 2402.0MHz [Channel 1]

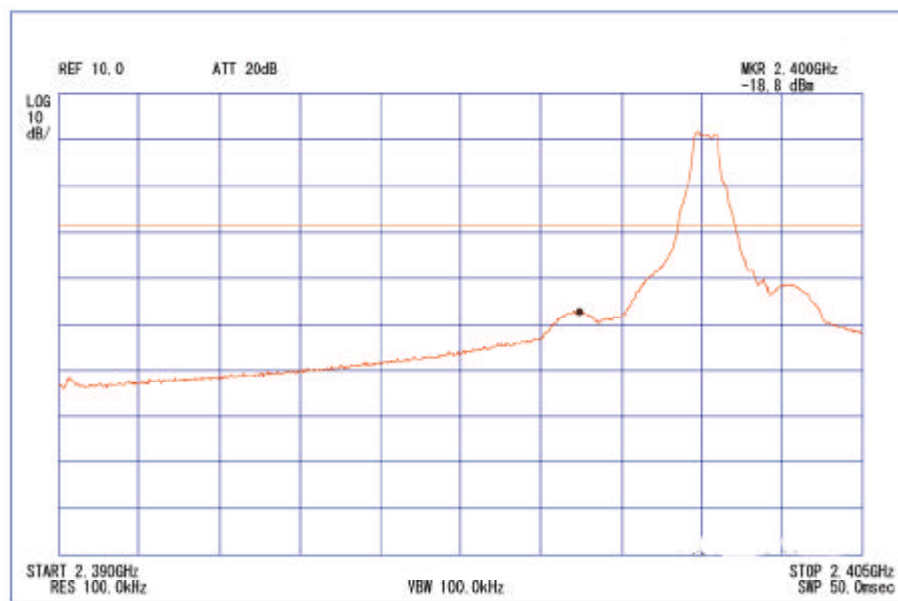


Channel High : 2480.0MHz [Channel 79]

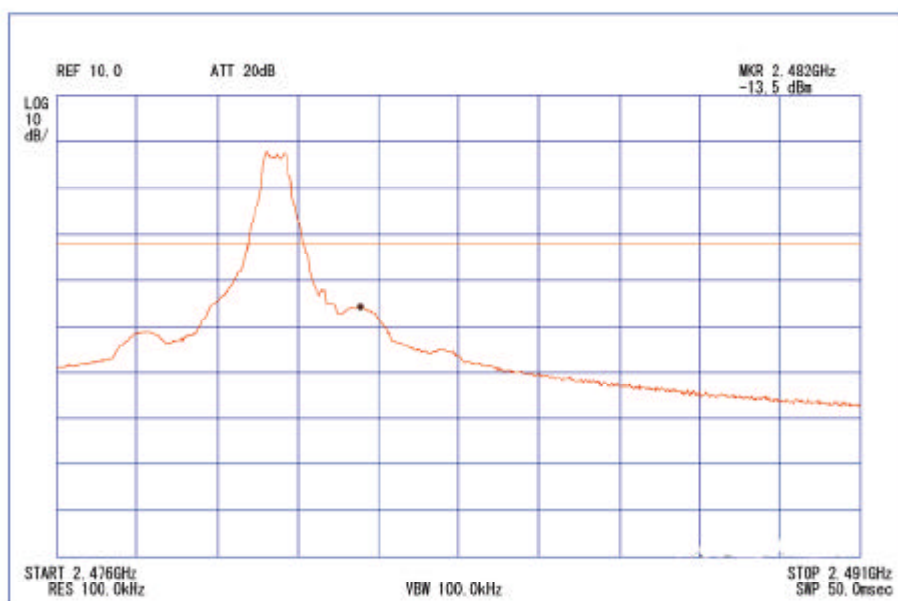


- No hopping -

Channel Low : 2402.0MHz [Channel 1]



Channel High : 2480.0MHz [Channel 79]

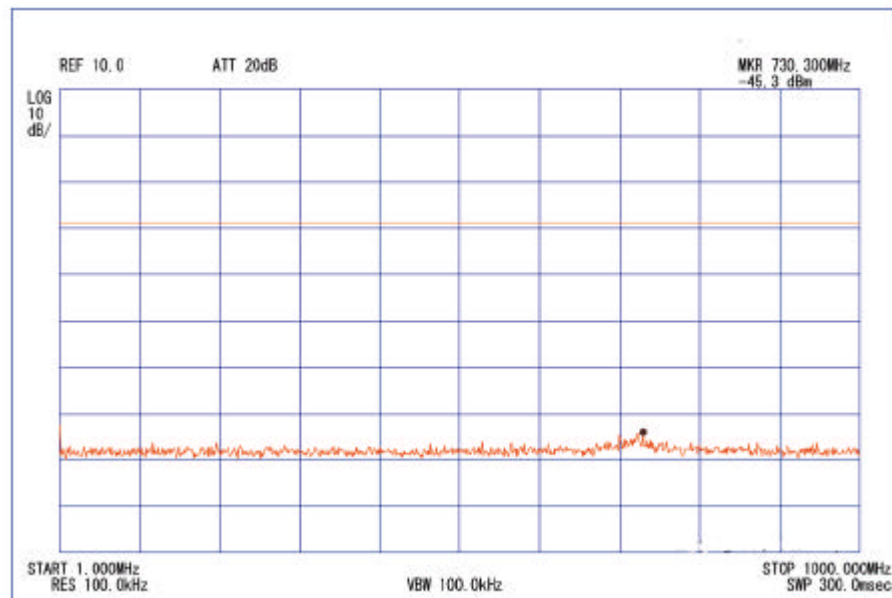


Appendix G

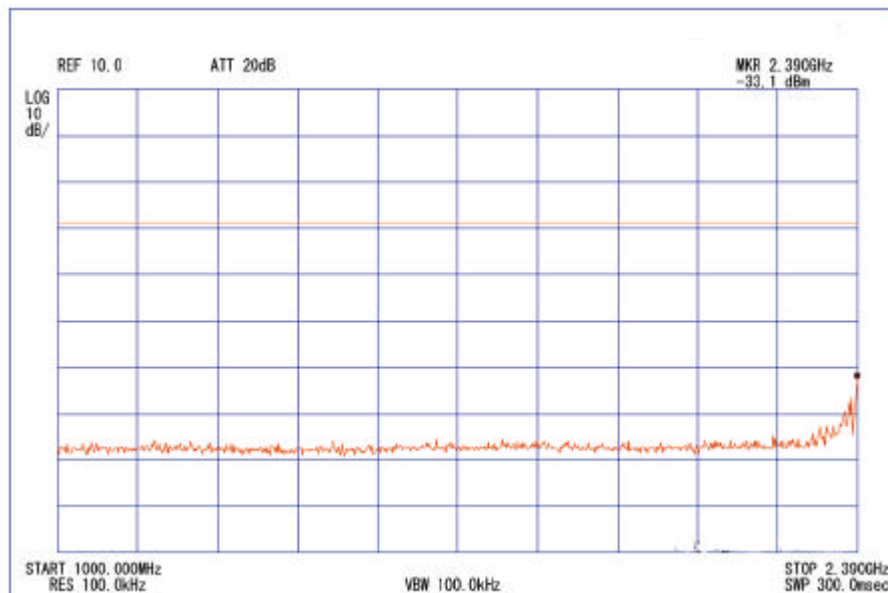
Appendix G

Suprious Emissions - Conducted - Trace Data

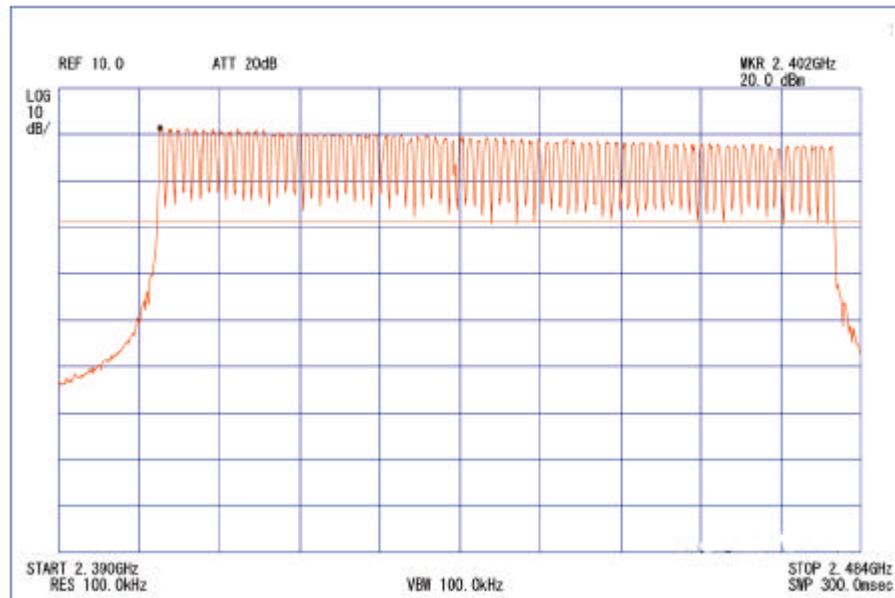
- Hopping -
1 - 1000MHz



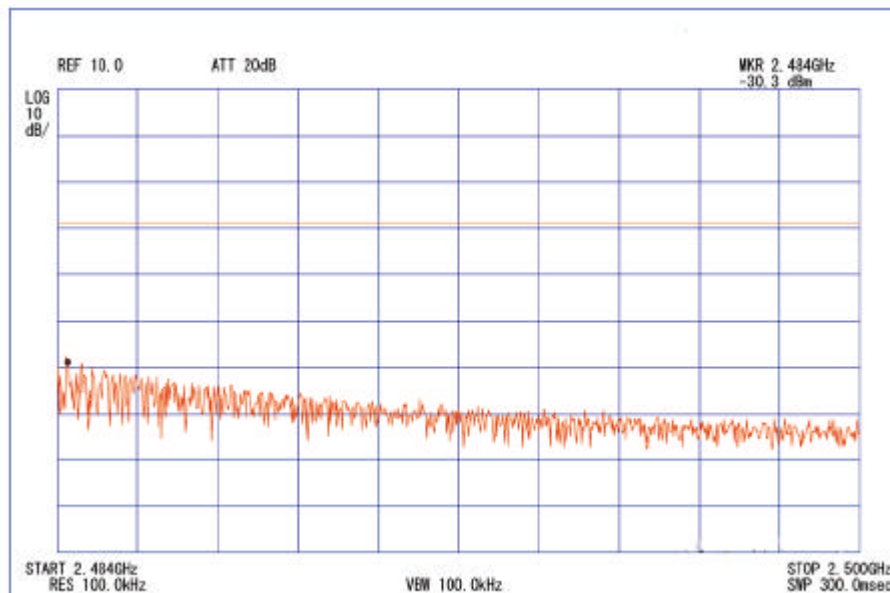
1000 - 2390MHz



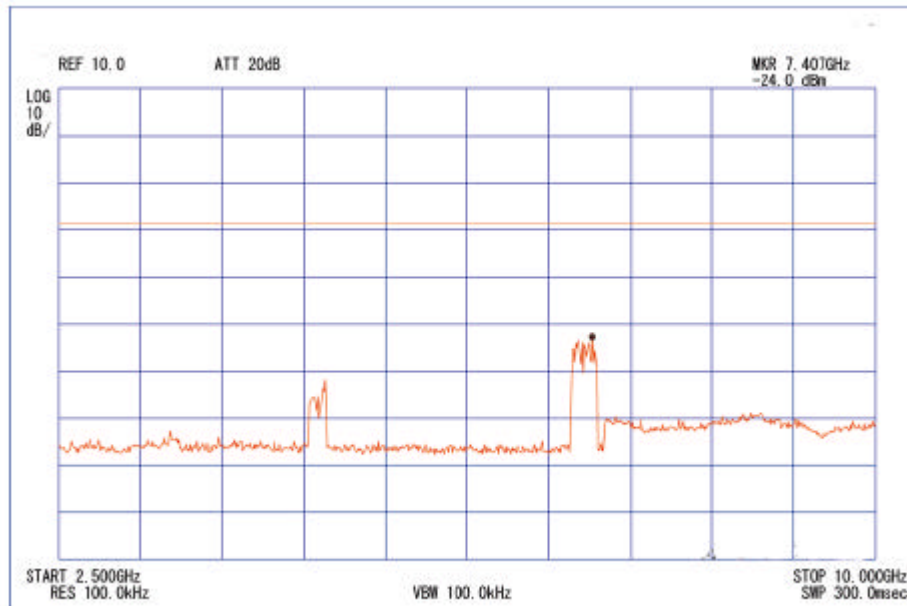
2390 - 2483.5MHz



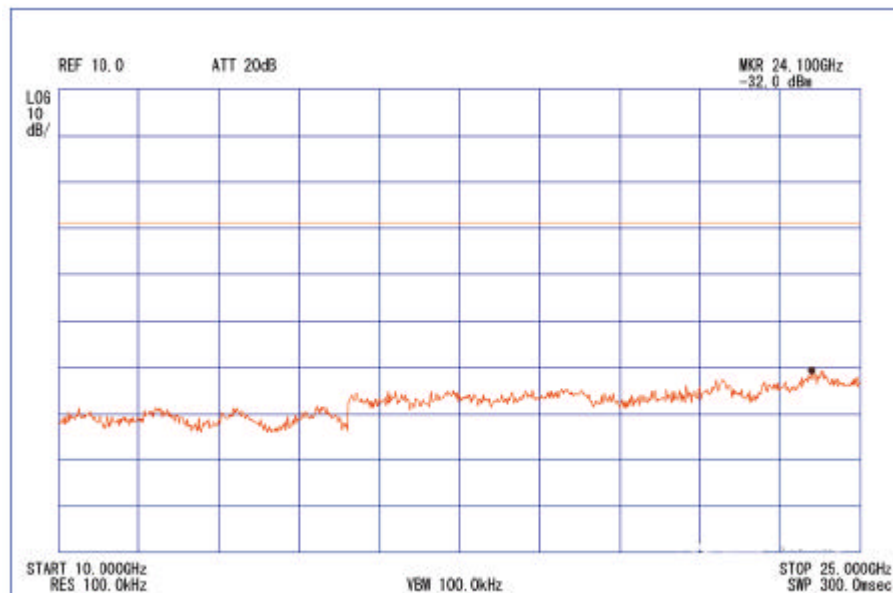
2483.5MHz - 2.5GHz



2.5GHz - 10GHz



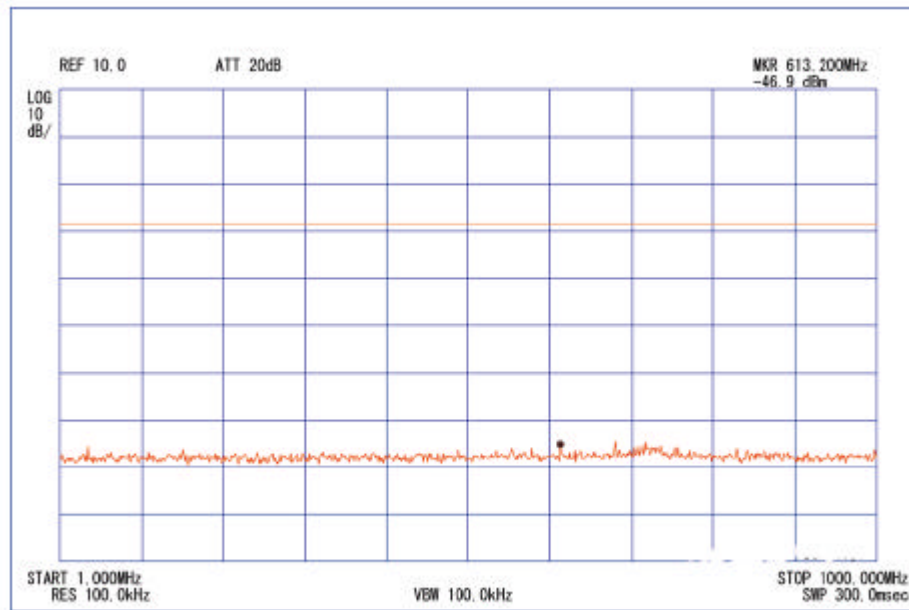
10GHz - 25GHz



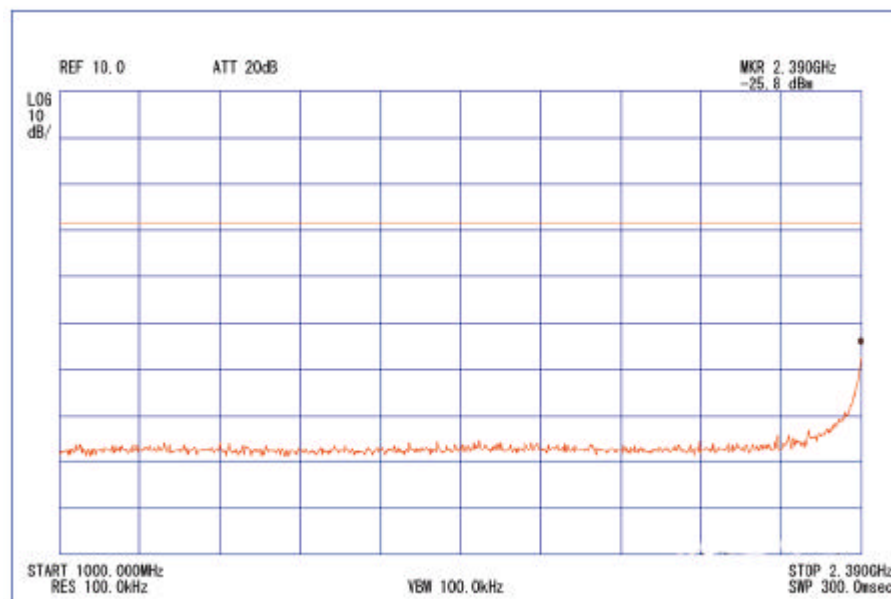
- No hopping -

Channel Low : 2402.0MHz [Channel 1]

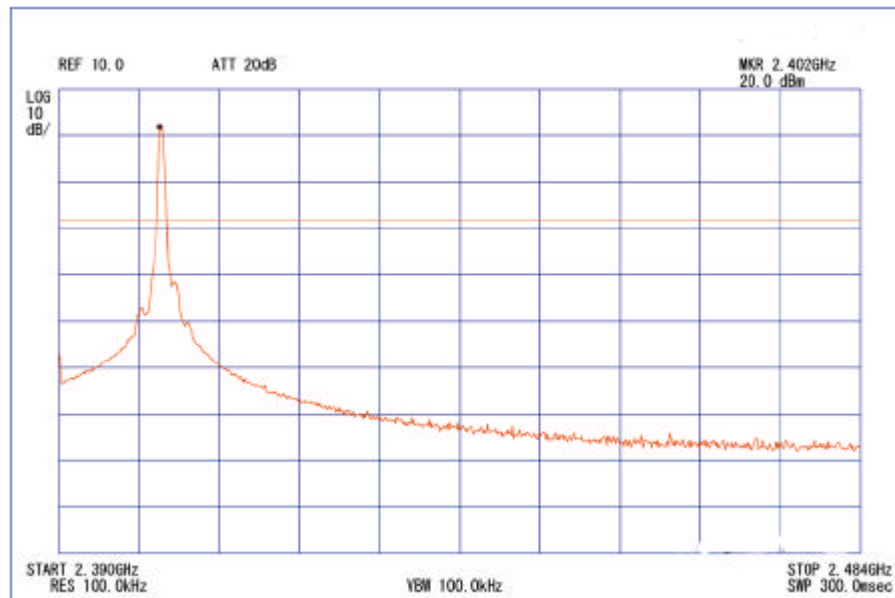
1-1000MHz



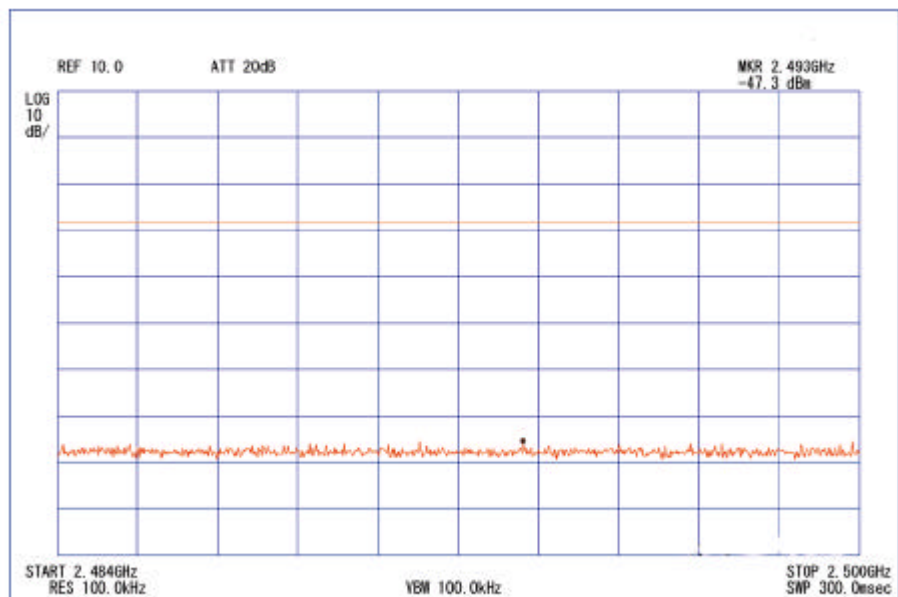
1000-2390MHz



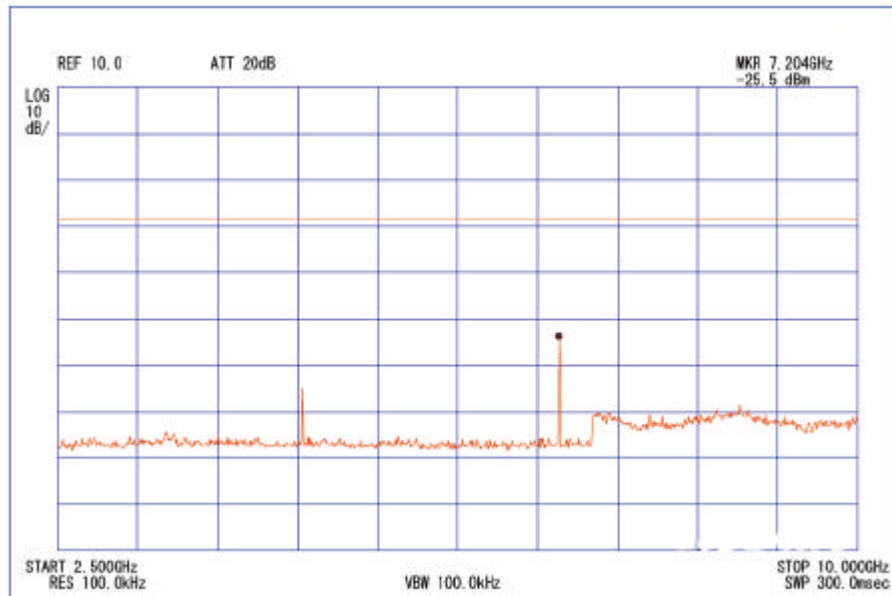
2390 - 2483.5MHz



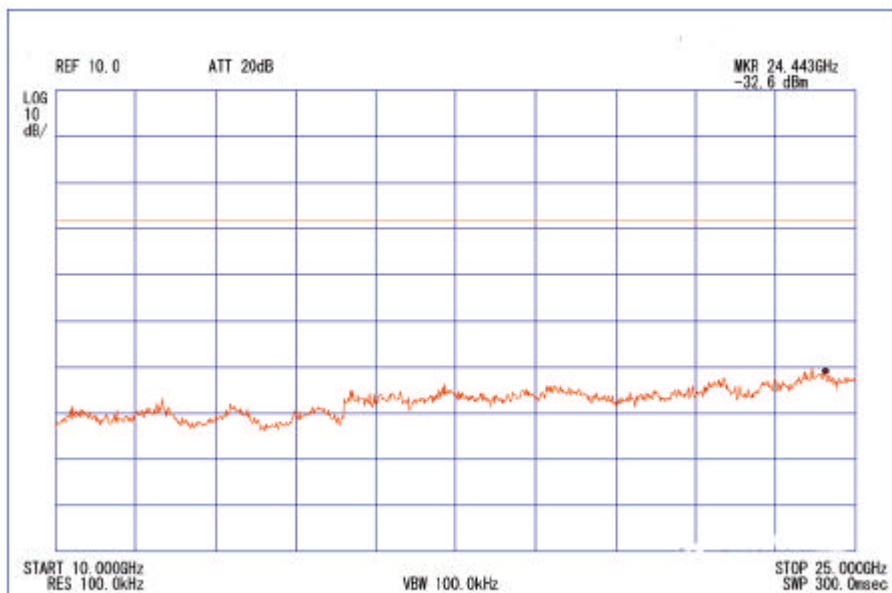
2483.5MHz - 2.5GHz



2.5GHz - 10GHz

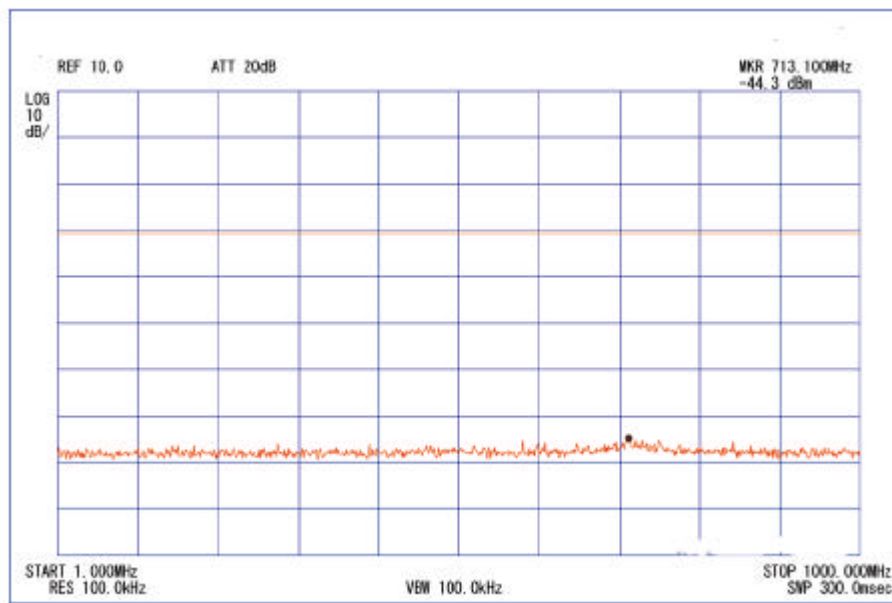


10GHz - 25GHz

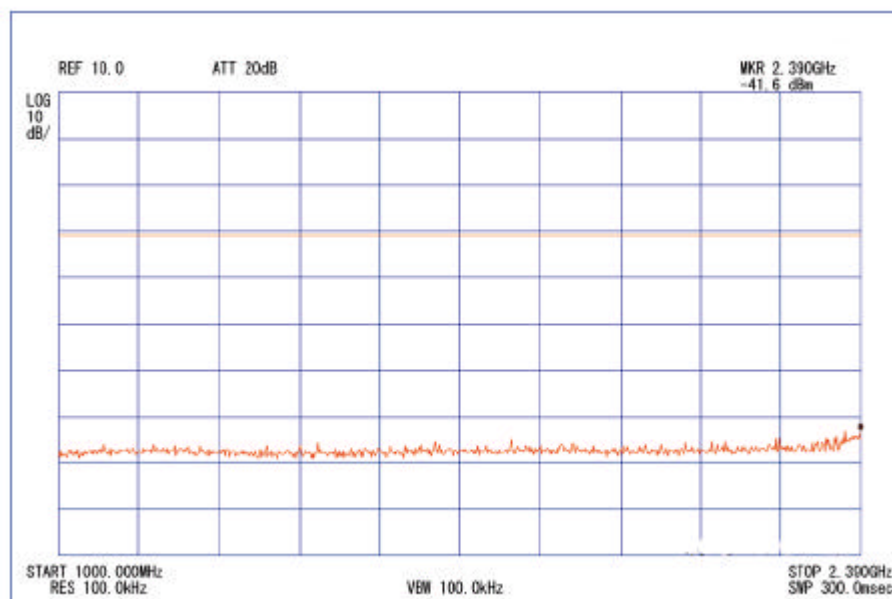


Channel Mid : 2441.0MHz [Channel 40]

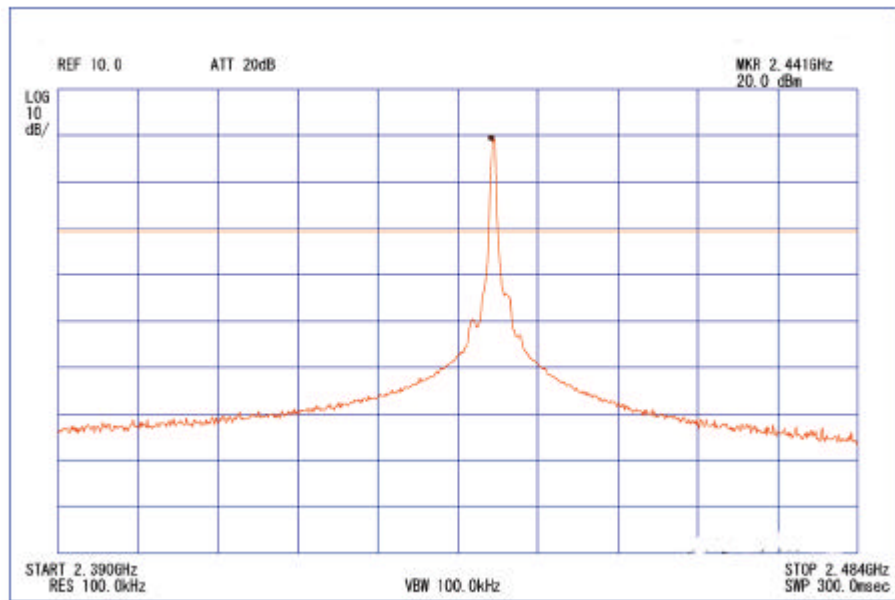
1-1000MHz



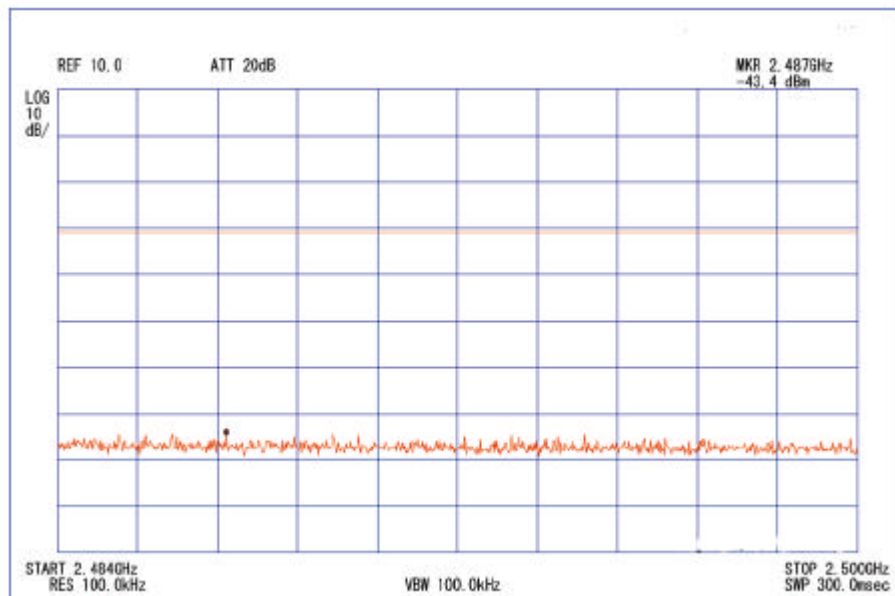
1000-2390MHz



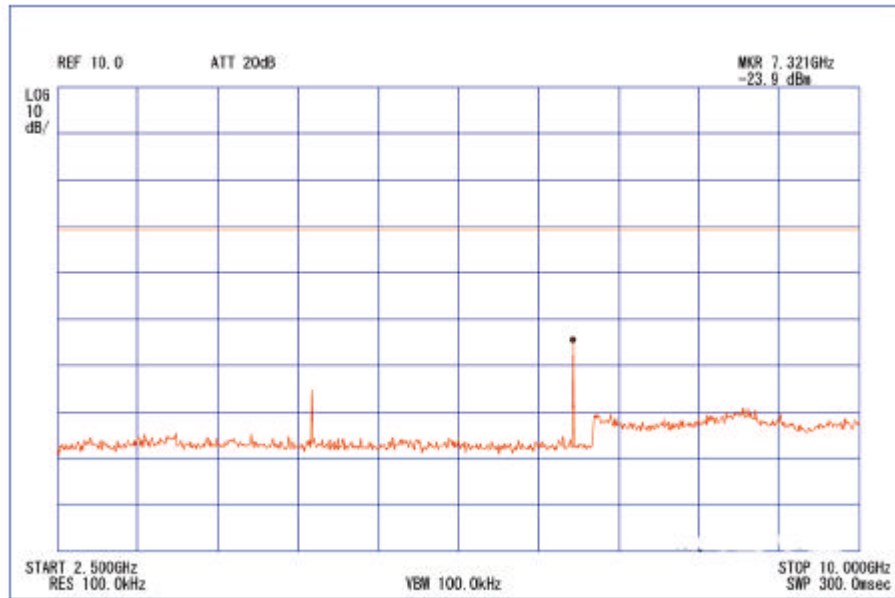
2390-2483.5MHz



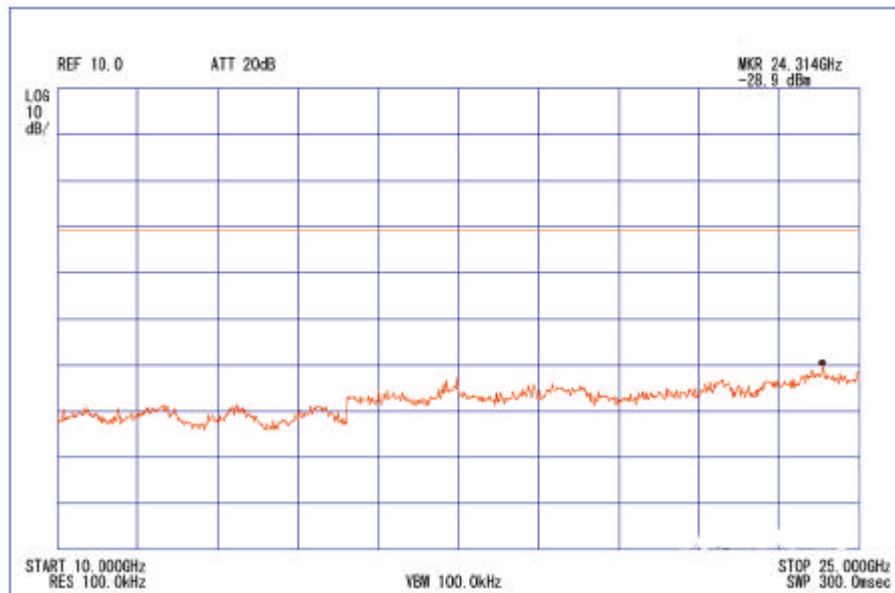
2483.5MHz - 2.5GHz



2.5GHz - 10GHz

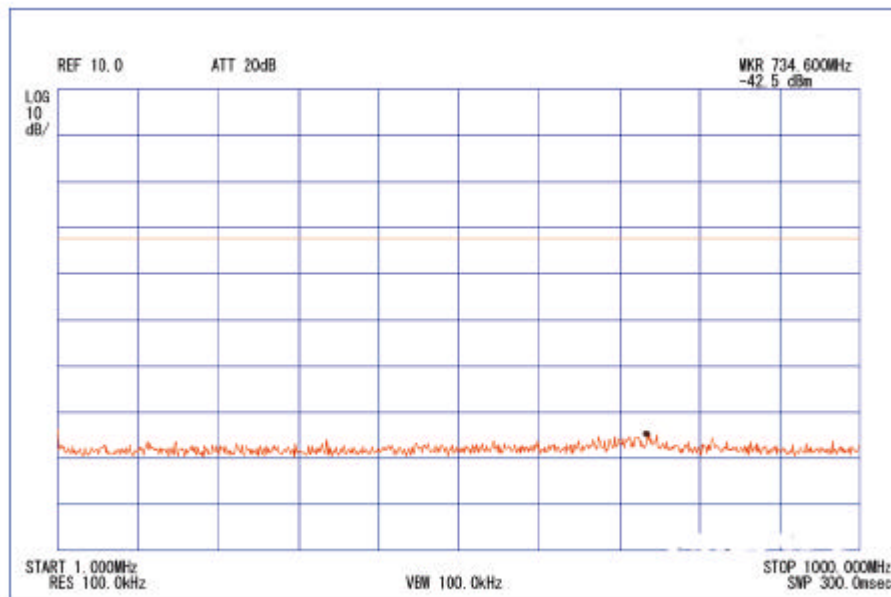


10GHz - 25GHz

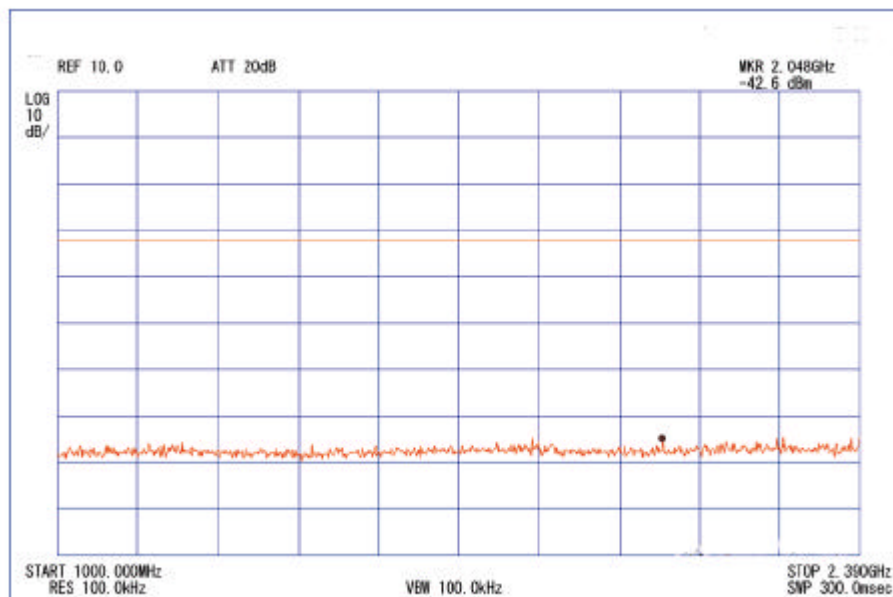


Channel High : 2480.0MHz [Channel 79]

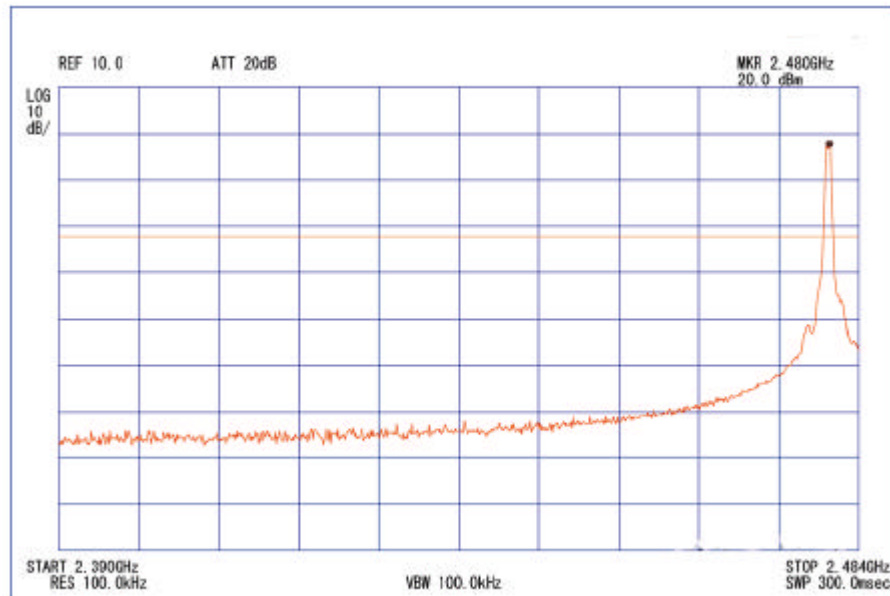
1-1000MHz



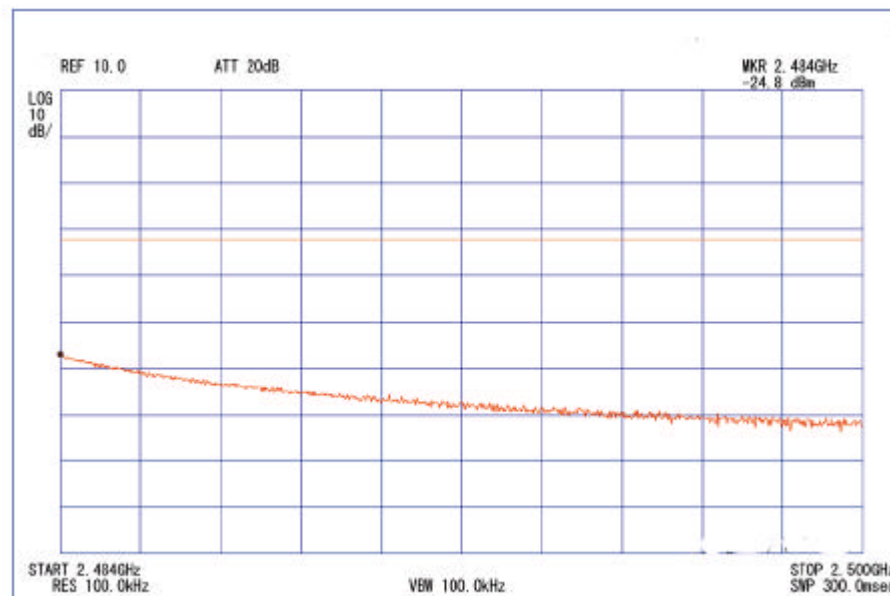
1000-2390MHz



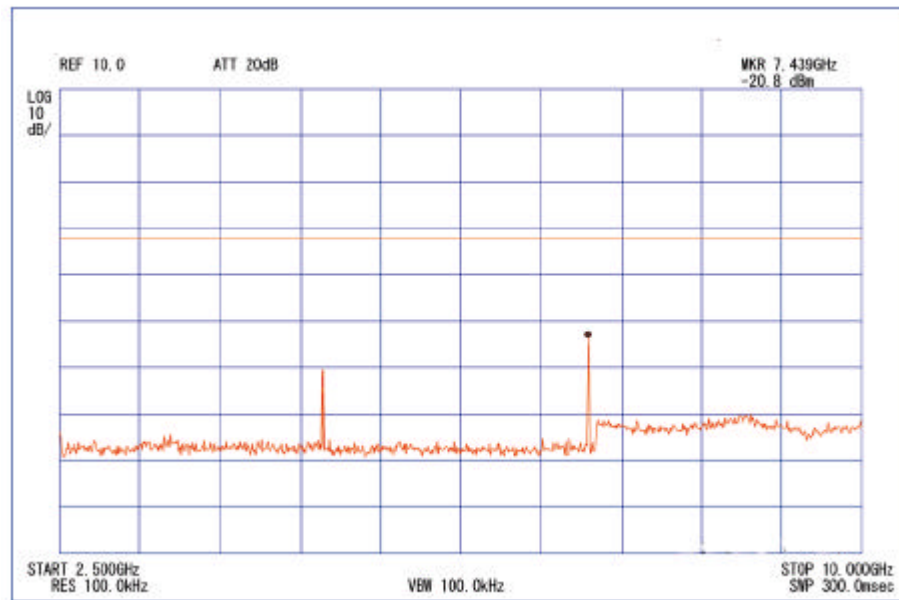
2390-2483.5MHz



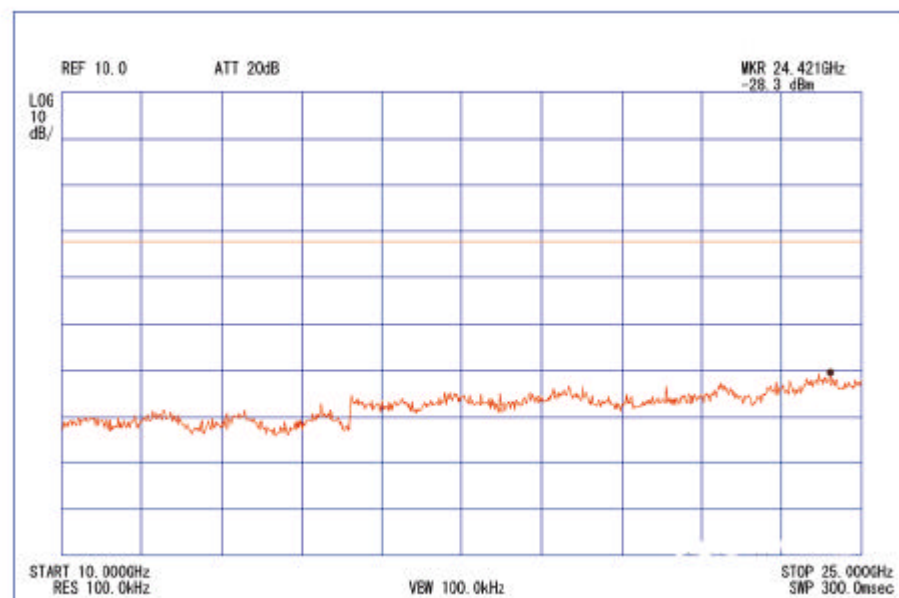
2483.5MHz - 2.5GHz



2.5GHz - 10GHz



10GHz - 25GHz



Appendix H

Appendix H

Suprious Emissions - Radiated - Data

***** RADIATED EMISSION *****

Standard : FCC Part 15 Subpart C
Class :
Distance [m] : 3
Date of test : 2003/4/24
Test site : 2
Temperature [°C] : 20.1
Humidity [%] : 53.6
Operator : H.Suzuki
Company name : Seiko Instruments Inc.
Product name : Thermal printer
Product ID : MPU-L465
Serial number : N/A
Test mode : Test mode
Comment :

Sheet number : 1

Signature :



Antenna Pol.	Height [m]	Table Radian [Deg.]	Reading Frequency [MHz]	Level [dB _v , V]	Factor [dB/m]	Emission Level [dB _v , V/m]	Limit [dB _v , V/m]	Margin [dB]	Comment
Test mode(No hopping Channel 1)									
VER	1.0	100	42.05	37.8	-13.9	23.9	40.0	16.1	
HOR	1.4	5	4804.50	36.5	7.7	44.2	74.0	29.8	PEAK
HOR	1.4	5	4804.50	24.8	7.7	32.5	54.0	21.5	AVERAGE
VER	1.4	5	7206.40	35.9	12.5	48.4	74.0	25.6	PEAK
VER	1.4	5	7206.40	24.3	12.5	36.8	54.0	17.2	AVERAGE
HOR	1.4	250	7206.70	38.0	12.5	50.5	74.0	23.5	PEAK
HOR	1.4	250	7206.70	26.7	12.5	39.2	54.0	14.8	* AVERAGE
Test mode(No hopping Channel 40)									
VER	1.0	95	42.05	37.7	-13.9	23.8	40.0	16.2	
HOR	1.4	0	4881.80	37.2	7.7	44.9	74.0	29.1	PEAK
HOR	1.4	0	4881.80	25.8	7.7	33.5	54.0	20.5	AVERAGE
VER	1.4	0	7323.70	36.1	12.8	48.9	74.0	25.1	PEAK
VER	1.4	0	7323.70	24.5	12.8	37.3	54.0	16.7	AVERAGE
HOR	1.5	305	7323.70	37.6	12.8	50.4	74.0	23.6	PEAK
HOR	1.5	305	7323.70	26.4	12.8	39.2	54.0	14.8	* AVERAGE
Test mode(No hopping Channel 79)									
VER	1.0	100	42.05	37.8	-13.9	23.9	40.0	16.1	
HOR	1.5	30	4960.50	38.0	8.1	46.1	74.0	27.9	PEAK
HOR	1.5	30	4960.50	26.5	8.1	34.6	54.0	19.4	AVERAGE
VER	1.4	10	7440.70	35.7	13.0	48.7	74.0	25.3	PEAK
VER	1.4	10	7440.70	24.3	13.0	37.3	54.0	16.7	AVERAGE
HOR	1.5	310	7440.70	36.8	13.0	49.8	74.0	24.2	PEAK
HOR	1.5	310	7440.70	25.5	13.0	38.5	54.0	15.5	AVERAGE

* : The worst emission.

Factor: Antenna Factor + Cable Loss - Amp Gain

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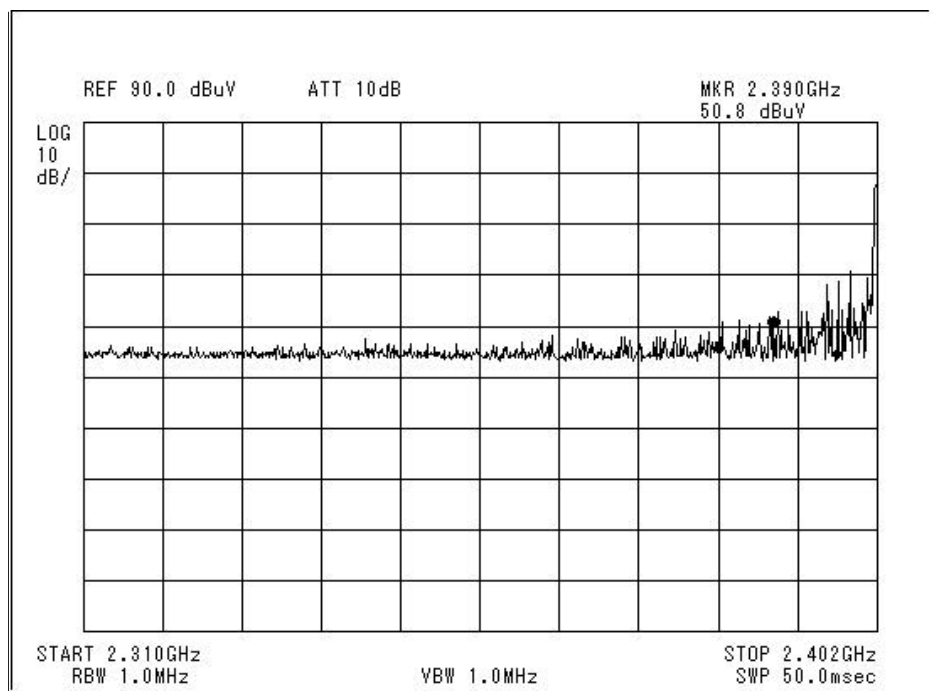
Appendix I

Appendix I

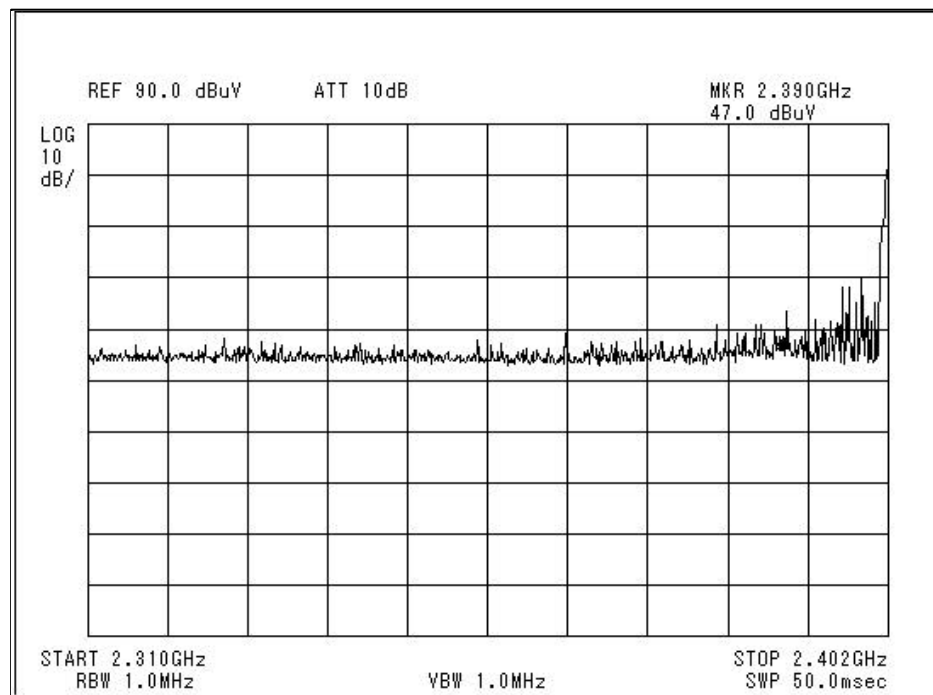
Restricted Band of Operation

Trace data

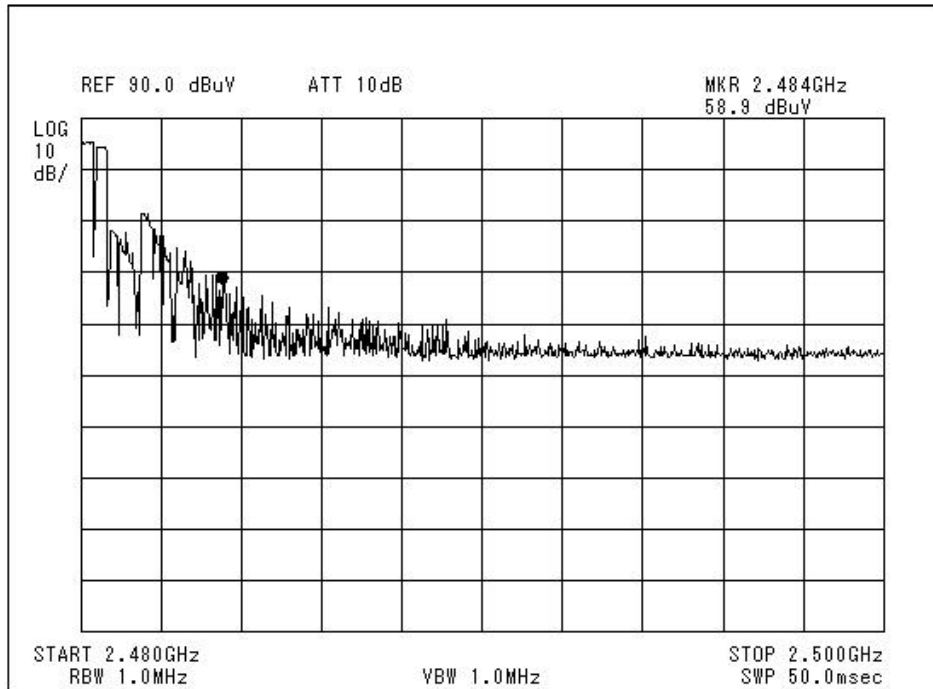
- 2390.0MHz Horizontal -



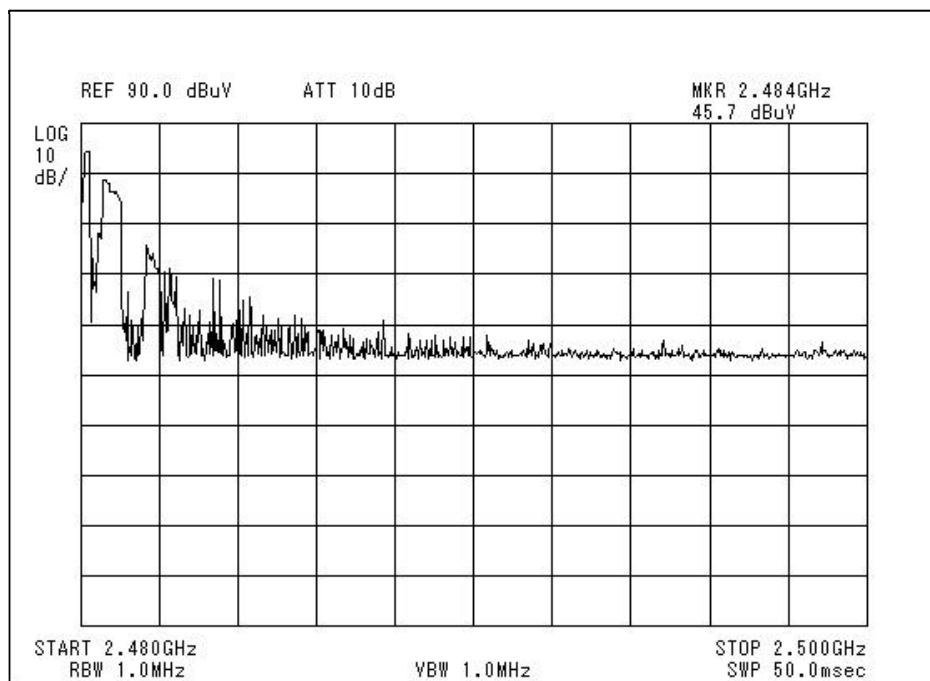
- 2390.0MHz Vartical -



- 2483.5MHz Horizontal -



- 2483.5MHz Vartical -



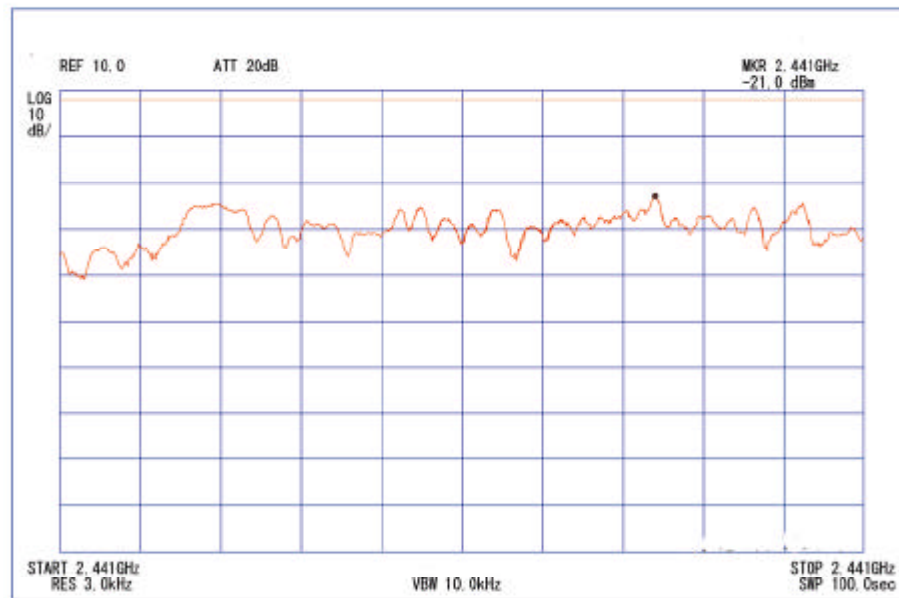
Appendix J

Appendix J

Transmitter Power Spectral Density

Trace data

- Inquiry mode -



Appendix K

<i>Appendix K</i> <i>Conducted emission</i> <i>Data</i>

***** CONDUCTED EMISSION at MAIN PORT *****

Standard : FCC Part15 Subpart C
Class :

Sheet number : 1

Date of test : 2003/4/22
Test site : 2
Temperature [°C] : 20.4
Humidity [%] : 22.9
Operator : H.Suzuki
Company name : Seiko Instruments Inc.
EUT : Thermal printer
Model number : MPU-L465
Serial number : N/A
Test mode : Test mode
Comment :

Signature :



Phase	Frequency [MHz]	Reading		Factor [dB]	Emission level		Limit		Margin		Comment
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
L1	0.184	54.7	38.7	0.1	54.8	38.8	64.3	54.3	9.5	15.5	*
L1	0.256	45.0	30.2	0.1	45.1	30.3	61.6	51.6	16.5	21.3	
L1	0.307	45.5	29.8	0.1	45.6	29.9	60.1	50.1	14.5	20.2	
L1	0.367	42.8	29.9	0.1	42.9	30.0	58.6	48.6	15.7	18.6	
L1	4.114	38.4	30.1	0.2	38.6	30.3	56.0	46.0	17.4	15.7	
L1	19.287	44.1	37.0	0.6	44.7	37.6	60.0	50.0	15.3	12.4	
L2	0.183	53.8	38.1	0.1	53.9	38.2	64.3	54.3	10.4	16.1	
L2	0.245	44.7	30.4	0.1	44.8	30.5	61.9	51.9	17.1	21.4	
L2	0.307	45.8	32.0	0.1	45.9	32.1	60.1	50.1	14.2	18.0	
L2	0.367	43.4	32.1	0.1	43.5	32.2	58.6	48.6	15.1	16.4	
L2	4.114	38.3	29.4	0.2	38.5	29.6	56.0	46.0	17.5	16.4	
L2	19.284	42.1	34.6	0.6	42.7	35.2	60.0	50.0	17.3	14.8	

*: The worst emission. Factor: AMN Factor + Cable Loss

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***** CONDUCTED EMISSION *****

Standard : RSS-210
Class :

Sheet Number : 2

Date of test : 2003/4/22
Test Site : 2
Temperature [℃] : 20.4
Humidity [%] : 22.9
Operator : H.Suzuki
Company Name : Seiko Instruments Inc.
EUT : Thermal printer
Model Number : MPU-L465
Serial Number : N/A
Test Mode : Test mode
Comment :

Signature : 

Phase	Frequency [MHz]	Reading		Factor	Emission Level		Limit		Margin		Comment
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
L1	0.522	27.5		0.1	27.6		48.0		20.4		
L1	0.682	21.3		0.1	21.4		48.0		26.6		
L1	1.033	22.5		0.1	22.6		48.0		25.4		
L1	3.014	26.7		0.2	26.9		48.0		21.1		
L1	4.114	38.4		0.2	38.6		48.0		9.4		
L1	19.287	44.1		0.6	44.7		48.0		3.3		
L2	0.522	27.3		0.1	27.4		48.0		20.6		
L2	0.683	20.2		0.1	20.3		48.0		27.7		
L2	1.035	25.3		0.1	25.4		48.0		22.6		
L2	3.022	28.7		0.2	28.9		48.0		19.1		
L2	4.114	38.3		0.2	38.5		48.0		9.5		
L2	19.284	42.1		0.6	42.7		48.0		5.3		

*: The worst emission. Factor: LISN Factor + Cable Loss

Ver.2.40 #REF!