



RADIATED EMISSION

Model Name : CBS2004812

Model No. :

Serial No. :

Points : 4

Detector : PEAK/QP

Polarization : Hori. & Vert.

Limit: [EN 55022] Class B<3m>

Tested by : K.Kinoshita

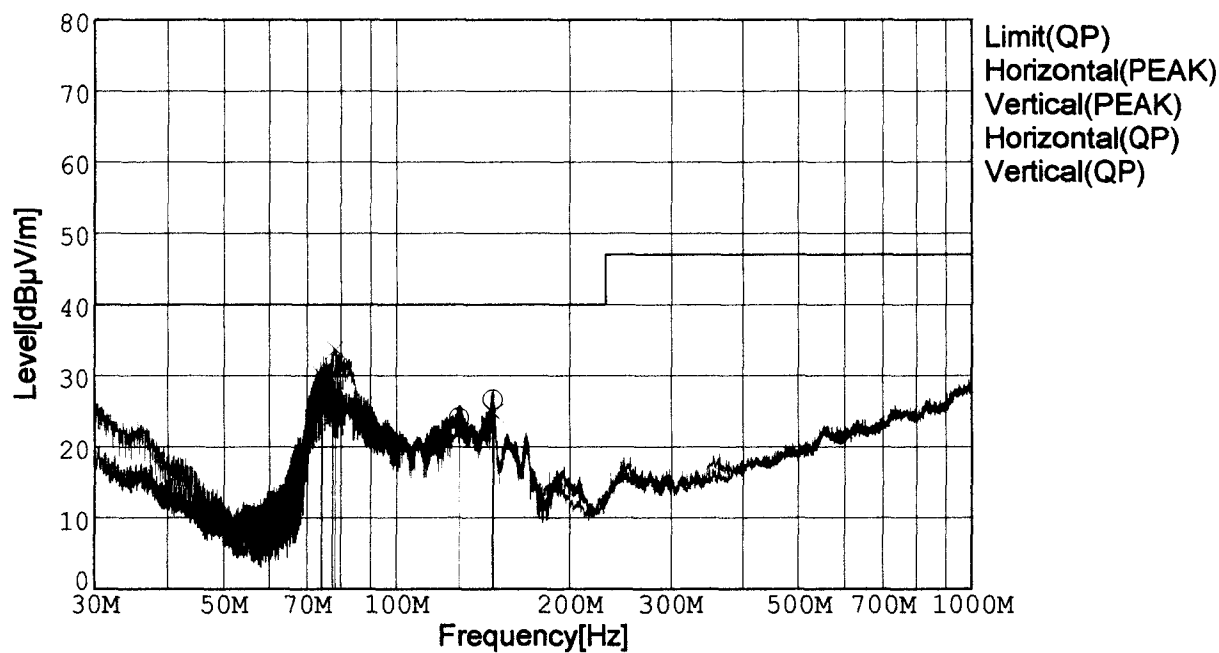
Temp. : 25degC

Humi. : 40%

Date : 2001/3/5 20:13

Test Equip. : R3132,ESPC

Comment : DC48V Io=16.7A



Frequency [MHz]	Meter Reading (QP) [dBμV]	Ant. Type	Antenna Factor [dB/m]	Cable & Preamp [dB]	Level (QP) [dBμV/m]	Angle[°]	Height [cm]	Polar.	Limit [dBμV/m]	Margin [dB]
74.166	52.8	BL	6.2	-31.7	27.3	269	159	Hori.	40.0	12.7
77.506	51.7	BL	6.7	-31.7	26.7	283	158	Hori.	40.0	13.3
128.341	44.4	BL	11.2	-31.5	24.1	92	154	Hori.	40.0	15.9
146.876	47.3	BL	10.7	-31.4	26.6	290	159	Hori.	40.0	13.4
74.395	55.4	BL	6.3	-31.7	30.0	193	132	Vert.	40.0	10.0
78.245	58.6	BL	6.8	-31.7	33.7	171	130	Vert.	40.0	6.3
128.355	42.2	BL	11.2	-31.5	21.9	16	126	Vert.	40.0	18.1
147.623	45.4	BL	10.7	-31.4	24.7	44	155	Vert.	40.0	15.3

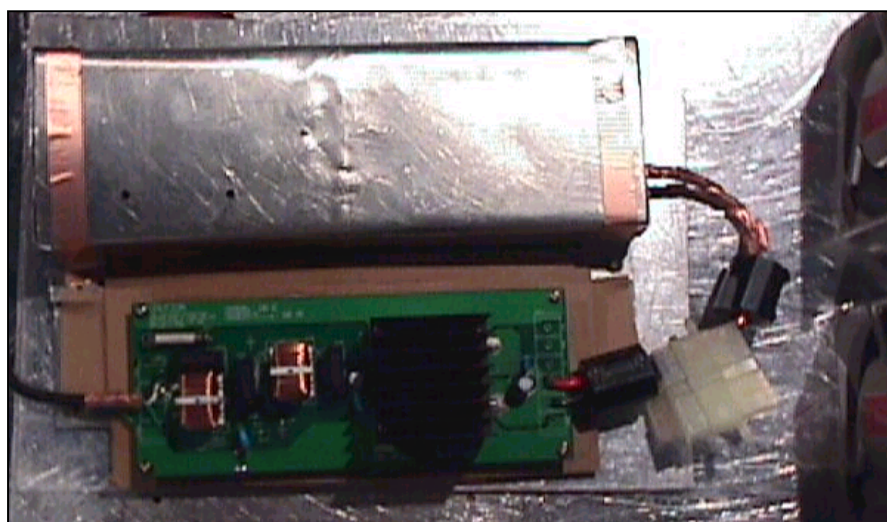
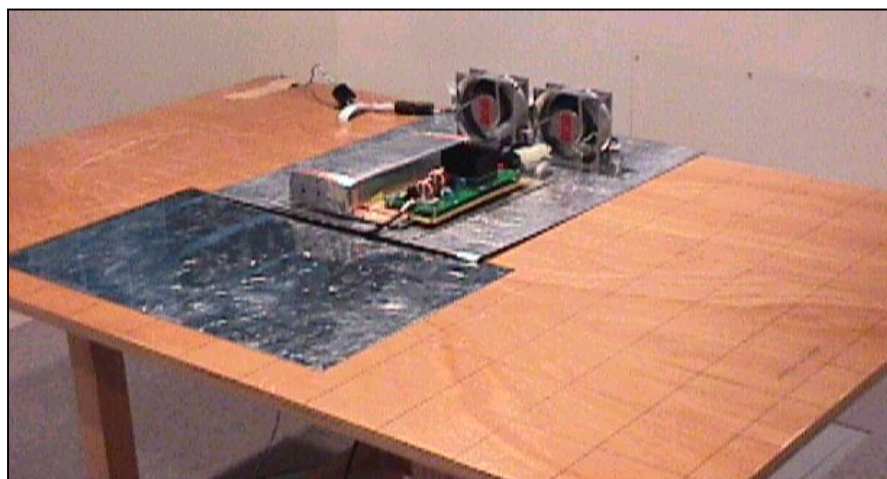
BL: Biconi-Log

Conditions

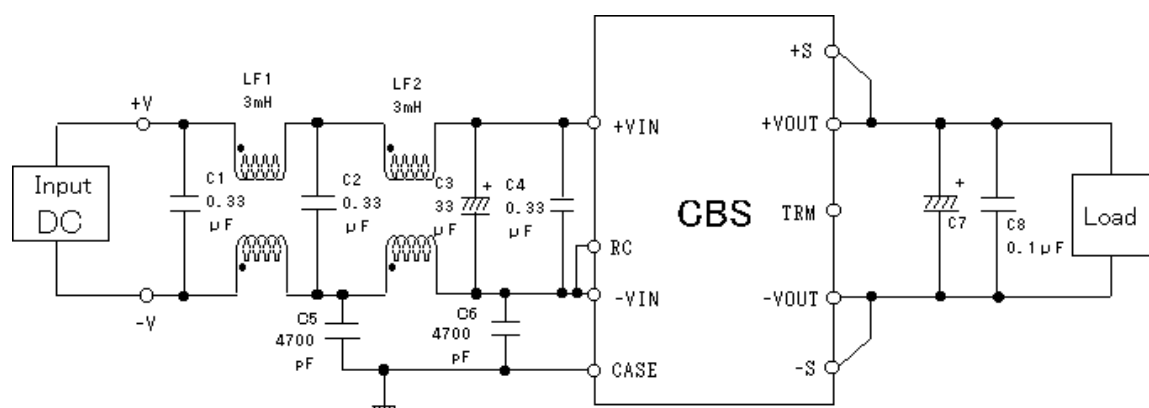
Date 2001/3/7

Test : RADIATED EMISSION
Model Name : CBS20048

○Photographs of Test Set-Up



○Testing circuitry



L1, L2 : SC-05-30J (TOKIN)
C1, C2, C4 : CFJC22E334M (Nitsuko)
C3 : 100V 33 μ F PMseries (nichicon)
C5, C6 : DE1307-640E472M-KH (MURATA)
C7 : CBS2004803,05 10V 2200 μ F LXZseries (NIPPON CHEMI-CON)
CBS2004812,15 25V 470 μ F LXZseries (NIPPON CHEMI-CON)
CBS2004824,28 35V 220 μ F LXZseries (NIPPON CHEMI-CON)
C8 : MDD21H104M (Nitsuko)

Fig. Testing circuitry



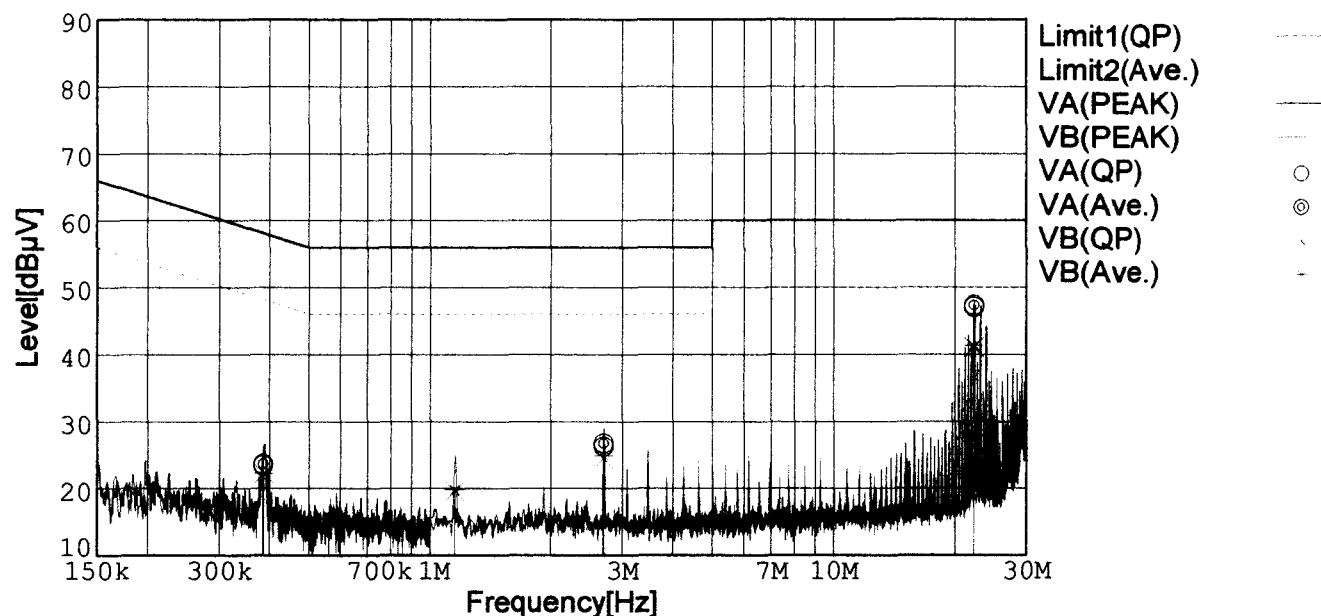
LINE CONDUCTION

Model Name : CBS2004812
 Model No. :
 Serial No. :
 Points : 4
 Detector : PEAK/QP/Ave.
 Line Mode : VA/VB

Tested by : K.Kinoshita
 Temp. : 25degC
 Humi. : 40%
 Date : 2001/3/5 19:49
 Test Equip. : R3132,ESPC
 Comment : DC48V Io=16.7A

Limit1: [EN 55022] Class B(QP)

Limit2: [EN 55022] Class B(Ave.)



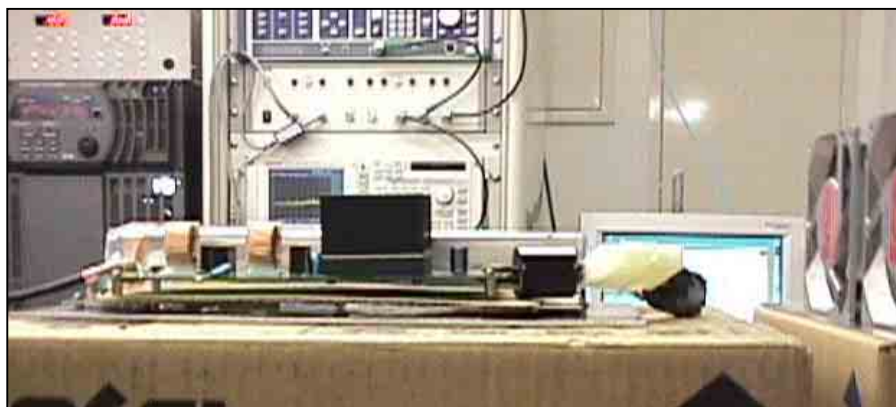
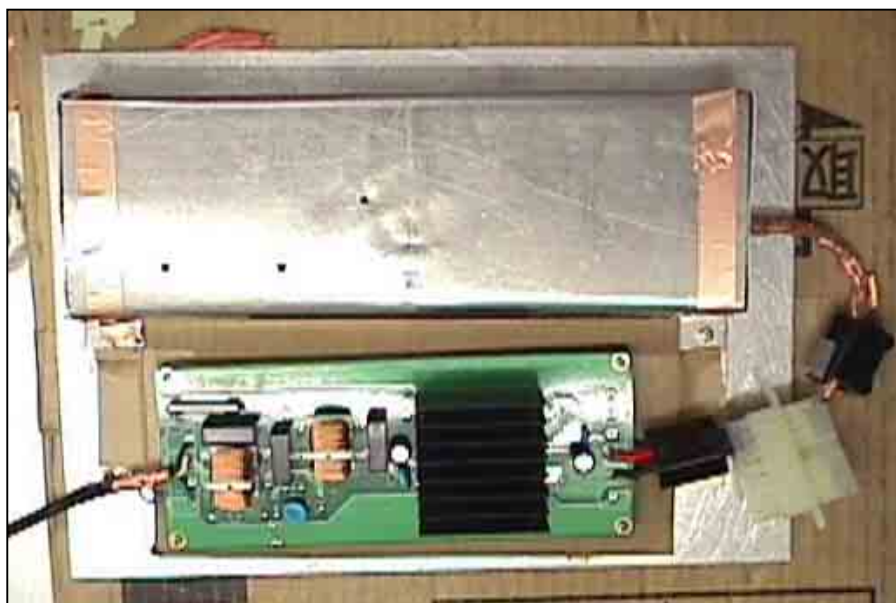
Frequency [MHz]	Meter Reading (QP) [dBμV]	Meter Reading (Ave.) [dBμV]	Factor [dB]	Level (QP) [dBμV]	Level (Ave.) [dBμV]	Line	Limit (QP) [dBμV]	Limit (Ave.) [dBμV]	Margin (QP)[dB]	Margin (Ave.) [dB]
0.3853	13.6	13.9	9.8	23.4	23.7	VA	58.2	48.2	34.8	24.5
1.1531	-1.9	-3.2	9.9	8.0	6.7	VA	56.0	46.0	48.0	39.3
2.6944	16.3	16.8	9.9	26.2	26.7	VA	56.0	46.0	29.8	19.3
22.3070	36.7	37.0	10.3	47.0	47.3	VA	60.0	50.0	13.0	2.7
0.3869	12.4	12.5	9.8	22.2	22.3	VB	58.1	48.1	35.9	25.8
1.1537	9.7	9.9	9.9	19.6	19.8	VB	56.0	46.0	36.4	26.2
2.6933	14.6	15.0	9.9	24.5	24.9	VB	56.0	46.0	31.5	21.1
22.3048	30.7	31.0	10.3	41.0	41.3	VB	60.0	50.0	19.0	8.7

Conditions

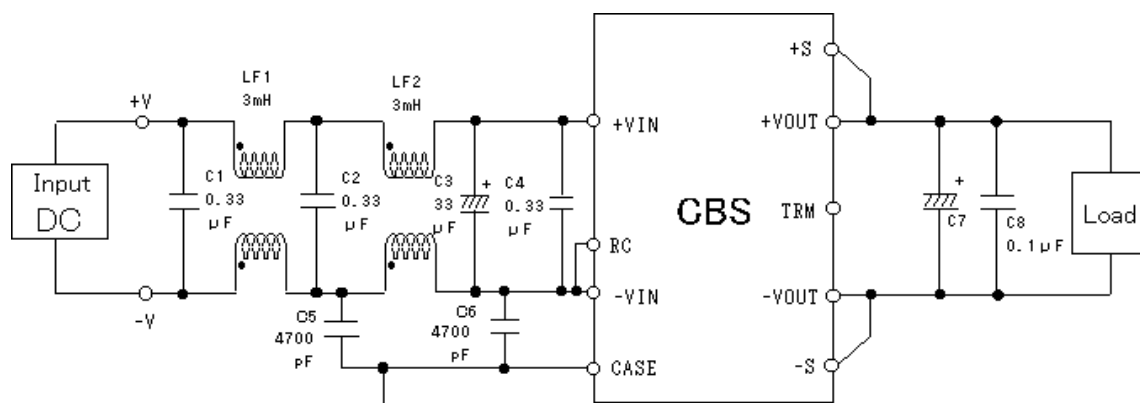
Date 2001/3/7

Test : LINE CONDUCTION
Model Name : CBS20048

Photographs of Test Set-Up



Testing circuitry



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C8 : MDD21H104M (Nitsuko)

Fig. Testing circuitry