参考資料

COSEL

ADA750F EMI/EMS Test result

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Design engineering dep.

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No.	Test item	Conditions	Conditions of Acceptability	Result
1	Line conduction	(1) Rated input(AC100V,120V,230V) (2) Rated load (3) Ambient temp. 25±10℃	(1)Meets the undermentioned standard. FCC Part15 classB , VCCI classB CISPR22 classB , EN55022-B	ok
2	Radiated emission	(1) Rated input(AC100V,120V,230V) (2) Rated load (3) Ambient temp. 25±10℃	(1)Meets the undermentioned standard. FCC Part15 classB , VCCI classB CISPR22 classB , EN55022-B	ok
3	Harmonic current (EN61000-3-2)	(1) Rated input (AC100V,230V) (2) Load 0 - Rated load (3) Ambient temp. 25±10℃	(1)Meets the undermentioned standard. EN61000-3-2 classA	ok
4	Static electricity immunity test (EN61000-4-2)	(1) Rated input (AC230V) (2) Rated load (3) Ambient temp. 25±10℃ (4) Contact discharge voltage 8[kV] (Level 4)	(1)No protection circuit failure. (2)No output voltage drop with control circuit failure. (3)No any other function failure	ok
5	Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3)	(1) Rated input (AC230V) (2) Rated load (3) Ambient temp. 25±10℃ (4)Testing field strength 10[V/m] (Level 3)	(1)No protection circuit failure. (2)No output voltage drop with control circuit failure. (3)No any other function failure	ok
6	Electrical fast transient/ burst immunity test (EN61000-4-4)	(1) Rated input (AC230V) (2) Rated load (3) Ambient temp. 25±10℃ (4) Test peak voltage 4[kV] (Level 4)	(1)No protection circuit failure. (2)No output voltage drop with control circuit failure. (3)No any other function failure	ok
7	Surge immunity test (EN61000-4-5)	(1) Rated input (AC230V) (2) Rated load (3) Ambient temp. 25±10℃ (4) Test voltage Line to line 2[kV] (Level 3) Line to earth 4[kV] (Level 4)	(1)The power supply is not stop (2)Circuit does not malfunction. (3)No abnormality of the insulation destruction etc. (4)Parts are no damaged.	ok
8	Immunity to conducted disturbances, induced by radio-frequency fields (EN61000-4-6)	(1) Rated input (AC230V) (2) Rated load (3) Ambient temp. 25±10℃ (4) Voltage level (e.m.f.) 10[V] (Level 3)	(1)No protection circuit failure. (2)No output voltage drop with control circuit failure. (3)No any other function failure	ok
9	Power frequency magnetic field immunity test (EN61000-4-8)	(1) Rated input (AC230V) (2) Rated load (3) Ambient temp. 25±10℃ (4) Magnetic field 30A/m (Level 4)	(1)No protection circuit failure. (2)No output voltage drop with control circuit failure. (3)No any other function failure	ok
10	Voltage dips, short interruptions and voltage variations immunity test (EN61000-4-11)	(1) Rated input (AC230V) ・30% reduction at 10mS min. ・60% reduction at 100mS min ・95% reduction at 5S min. ・±10% variation at 15 minutes (2) Rated load (3) Ambient temp. 25±10℃	(1)No protection circuit failure. (2)No output voltage drop with control circuit failure. (3)No any other function failure	ok

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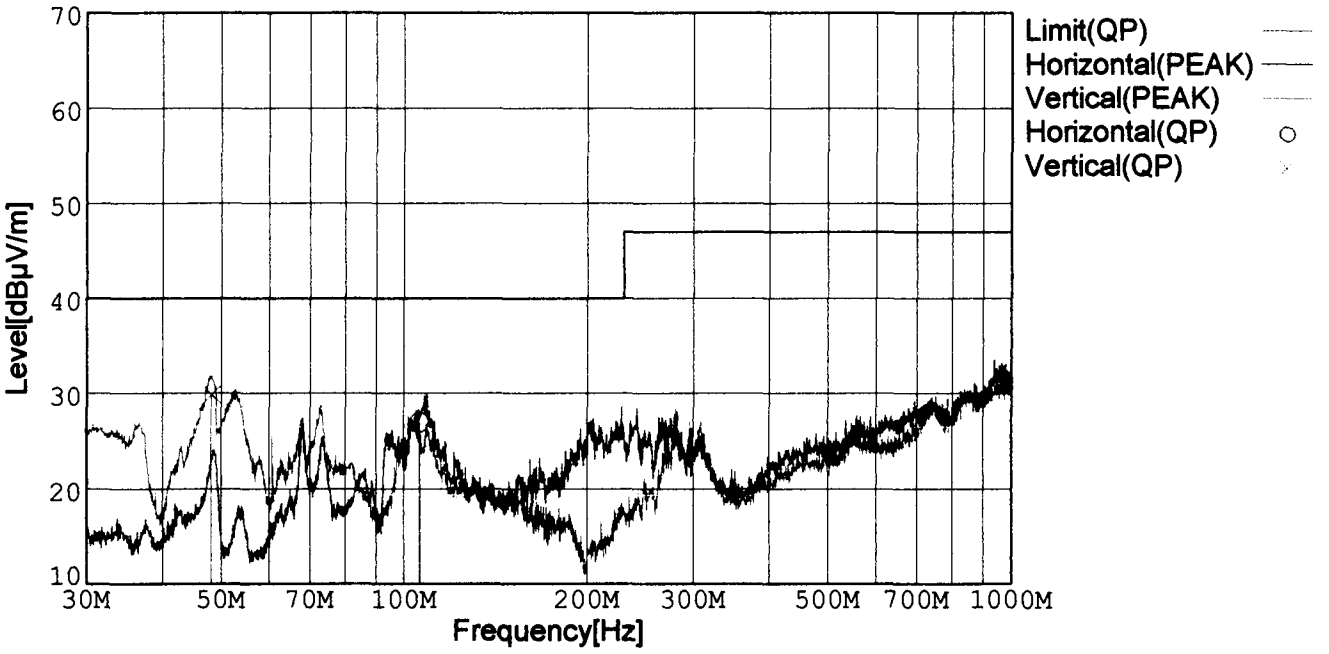
RADIATED EMISSION

Model Name : ADA750F-30
Model No. :
Serial No. :
Points : 2
Detector : PEAK/QP
Polarization : Hori. & Vert.
Limit: [EN 55022] Class B<3m>

Power Supply : 230V(1Phase) 50Hz
Temp. : 25deg C
Humi. : 45%
Date : 2002/12/14 21:00
Test Equip. : R3132,ESPC
Comment : Load100%(+30V24.5A)



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]
106.364	40.8	BL	10.1	-23.9	27.0	97	159	Hori.	40.0	13.0
48.220	46.0	BL	8.0	-24.1	29.9	196	107	Vert.	40.0	10.1

BL: Biconi-Log

参考資料

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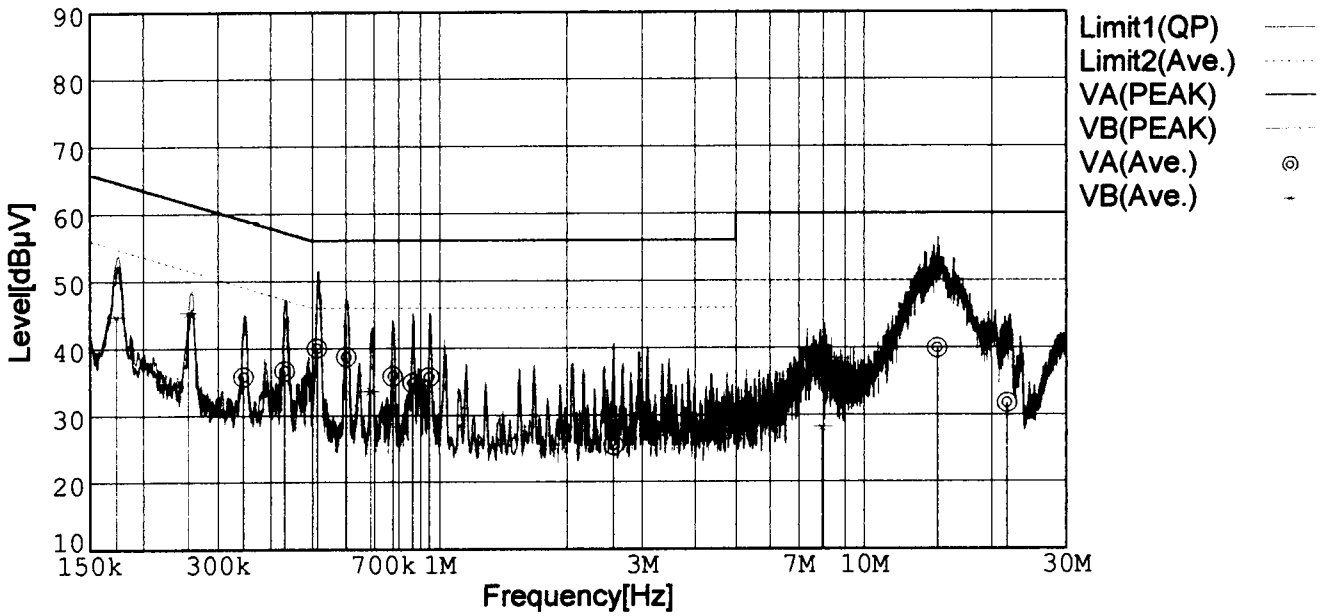
LINE CONDUCTION

Model Name : ADA750F-30
Model No. :
Serial No. :
Points : 14
Detector : PEAK/Ave.
Line Mode : VA/VB
Limit1: [EN 55022] Class B(QP)
Limit2: [EN 55022] Class B(Ave.)

Power Supply : 230V(1Phase) 50Hz
Temp. : 25deg C
Humi. : 45%
Date : 2002/12/14 19:52
Test Equip. : R3132,ESPC
Comment : Load100%(+30V24.5A)



Frequency[MHz]	Meter Reading (Ave.) [dBµV]	Factor[dB]	Level(Ave.) [dBµV]	Line	Limit(QP) [dBµV]	Limit(Ave.) [dBµV]	Margin (QP)[dB]	Margin (Ave.)[dB]
0.1731	34.7	10.0	44.7	VB	64.8	54.8	12.7	10.1
0.2558	35.3	10.0	45.3	VB	61.6	51.6	14.7	6.3
0.3452	25.7	10.0	35.7	VA	59.1	49.1	16.1	13.4
0.4310	26.6	10.0	36.6	VA	57.2	47.2	12.3	10.6
0.5149	29.9	10.1	40.0	VA	56.0	46.0	6.8	6.0
0.6027	28.6	10.1	38.7	VA	56.0	46.0	10.2	7.3
0.6877	23.5	10.1	33.6	VB	56.0	46.0	16.9	12.4
0.7762	25.7	10.1	35.8	VA	56.0	46.0	15.0	10.2
0.8645	24.7	10.1	34.8	VA	56.0	46.0	14.5	11.2
0.9459	25.6	10.1	35.7	VA	56.0	46.0	13.7	10.3
2.5779	15.3	10.2	25.5	VA	56.0	46.0	21.1	20.5
7.9618	17.5	10.5	28.0	VB	60.0	50.0	21.8	22.0
14.9116	29.2	10.7	39.9	VA	60.0	50.0	11.1	10.1
21.8089	20.8	10.9	31.7	VA	60.0	50.0	21.2	18.3