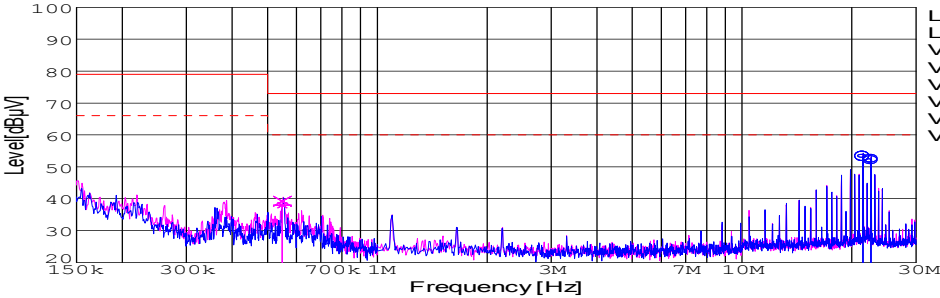
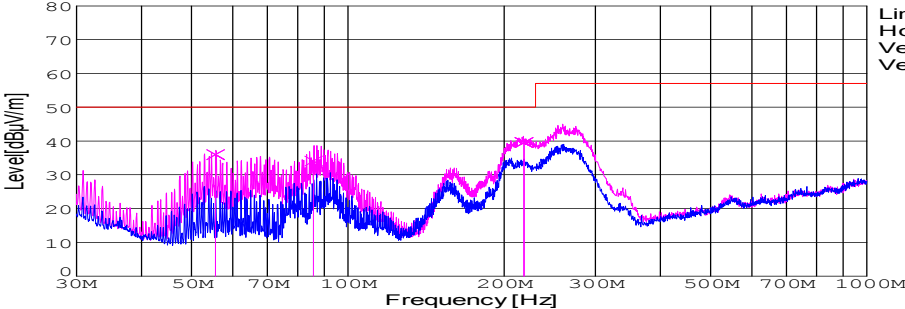


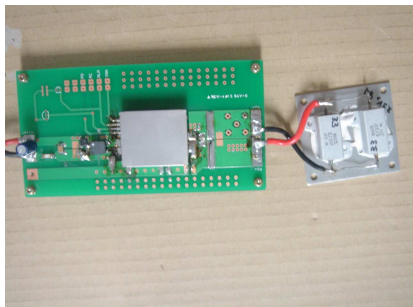
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Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																														
							Tested by	S.Shiina																																														
LINE CONDUCTION																																																						
Model Name		SFCS304805			Temp.		25degreeC																																															
Model No.					Humi.		45%																																															
Serial No.					Date		2007/3/23 15:34																																															
Points		3			Test Equip.		R3132,ESPC																																															
Detector		PEAK/QP/Ave.			Load Line		100mm																																															
Line Mode		VA/VB			Comment																																																	
Power Supply		DC 48V																																																				
Limit1:		[CISPR Pub11] Class A Gr.1(QP)																																																				
Limit2:		[CISPR Pub11] Class A Gr.1(Ave.)																																																				
							Limit1(QP) Limit2(Ave.) VA(PEAK) VB(PEAK) VA(QP) VA(Ave.) VB(QP) VB(Ave.)		Testing circuitry 2																																													
<table><tr><th>Frequency [MHz]</th><th>Meter Reading (Ave.) [dBuV]</th><th>Meter Reading (QP) [dBuV]</th><th>Factor [dB]</th><th>Level(Ave.) [dBuV]</th><th>Level(QP) [dBuV]</th><th>Line</th><th>Limit(Ave.) [dBuV]</th><th>Limit(QP) [dBuV]</th><th>Margin(Ave.) [dB]</th><th>Margin(QP) [dB]</th></tr><tr><td>21.457</td><td>42.9</td><td>42.9</td><td>10.3</td><td>53.2</td><td>53.2</td><td>VA</td><td>60</td><td>73</td><td>6.8</td><td>19.8</td></tr><tr><td>22.5555</td><td>41.6</td><td>42.1</td><td>10.3</td><td>51.9</td><td>52.4</td><td>VA</td><td>60</td><td>73</td><td>8.1</td><td>20.6</td></tr><tr><td>0.5492</td><td>28.1</td><td>29.3</td><td>9.9</td><td>38</td><td>39.2</td><td>VB</td><td>60</td><td>73</td><td>22</td><td>33.8</td></tr></table>											Frequency [MHz]	Meter Reading (Ave.) [dBuV]	Meter Reading (QP) [dBuV]	Factor [dB]	Level(Ave.) [dBuV]	Level(QP) [dBuV]	Line	Limit(Ave.) [dBuV]	Limit(QP) [dBuV]	Margin(Ave.) [dB]	Margin(QP) [dB]	21.457	42.9	42.9	10.3	53.2	53.2	VA	60	73	6.8	19.8	22.5555	41.6	42.1	10.3	51.9	52.4	VA	60	73	8.1	20.6	0.5492	28.1	29.3	9.9	38	39.2	VB	60	73	22	33.8
Frequency [MHz]	Meter Reading (Ave.) [dBuV]	Meter Reading (QP) [dBuV]	Factor [dB]	Level(Ave.) [dBuV]	Level(QP) [dBuV]	Line	Limit(Ave.) [dBuV]	Limit(QP) [dBuV]	Margin(Ave.) [dB]	Margin(QP) [dB]																																												
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RADIATED EMISSION																																																						
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Model No.					Humi.		45%																																															
Serial No.					Date		2007/3/23 15:51																																															
Points		3			Test Equip.		R3132,ESPC																																															
Detector		PEAK/QP			Load Line		100mm																																															
Polarization		Vertical			Comment																																																	
Power Supply		DC 48V																																																				
Limit:		[CISPR 11] Class A Group 1<3m>																																																				
							Limit(QP) Horizontal(PEAK) Vertical(PEAK) Vertical(QP)		Testing circuitry 2																																													
<table><tr><th>Frequency [MHz]</th><th>MeterReading (QP) [dBuV]</th><th>Ant. Type</th><th>Antenna Factor [dB/m]</th><th>Cable & Preamp [dB]</th><th>Level(QP) [dBuV/m]</th><th>Angle [°]</th><th>Height [cm]</th><th>Polar.</th><th>Limit [dBuV/m]</th><th>Margin [dB]</th></tr><tr><td>55.587</td><td>62.6</td><td>BL</td><td>5.5</td><td>-32.1</td><td>36</td><td>178</td><td>114</td><td>Vert.</td><td>50</td><td>14</td></tr><tr><td>85.862</td><td>57.9</td><td>BL</td><td>8.1</td><td>-31.9</td><td>34.1</td><td>83</td><td>115</td><td>Vert.</td><td>50</td><td>15.9</td></tr><tr><td>218.515</td><td>61.9</td><td>BL</td><td>8.9</td><td>-31.2</td><td>39.6</td><td>227</td><td>115</td><td>Vert.</td><td>50</td><td>10.4</td></tr></table>											Frequency [MHz]	MeterReading (QP) [dBuV]	Ant. Type	Antenna Factor [dB/m]	Cable & Preamp [dB]	Level(QP) [dBuV/m]	Angle [°]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	55.587	62.6	BL	5.5	-32.1	36	178	114	Vert.	50	14	85.862	57.9	BL	8.1	-31.9	34.1	83	115	Vert.	50	15.9	218.515	61.9	BL	8.9	-31.2	39.6	227	115	Vert.	50	10.4
Frequency [MHz]	MeterReading (QP) [dBuV]	Ant. Type	Antenna Factor [dB/m]	Cable & Preamp [dB]	Level(QP) [dBuV/m]	Angle [°]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]																																												
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DATA SHEET		Date	23-Mar-07
Model	SFCS304805	Temp.	25degreeC
Test	EMI Line conduction & Radiated emission	Humid.	45 %RH
		Tested by	S.Shiina

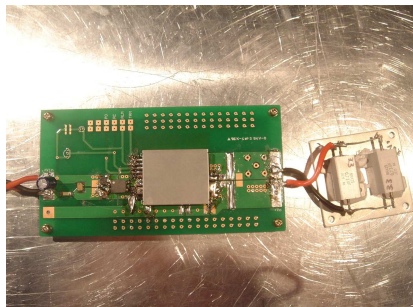
1.Conditions

(1)Photographs of Test Set-Up

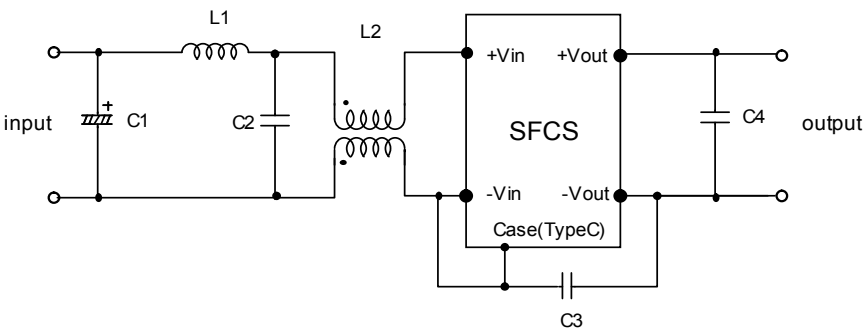
LINE CONDUCTION



Radiated emission



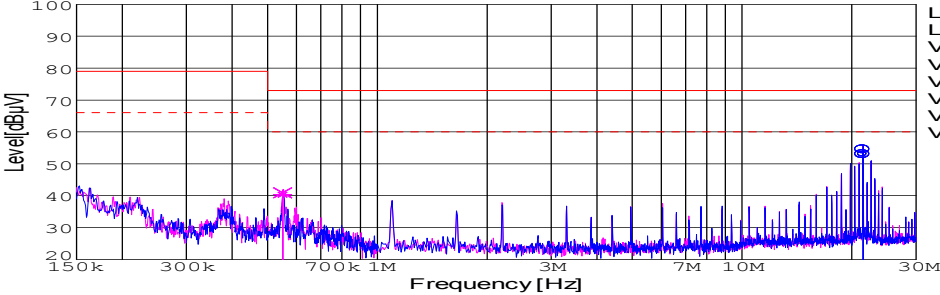
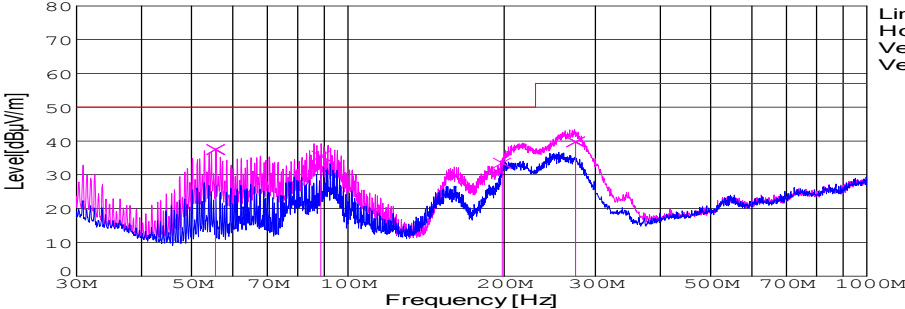
(2)Testing circuitry



C1 : 22 μ F 100V Electric capacitor
C2 : 1 μ F 100V Ceramic capacitor
C3 : 1000pF 630V Ceramic capacitor
C4 : 22 μ F 16V Ceramic capacitor

L1 : 1 μ H 2.4A Inductor
L2 : ACM1211-102-2PL : TDK

Fig. Testing circuitry2

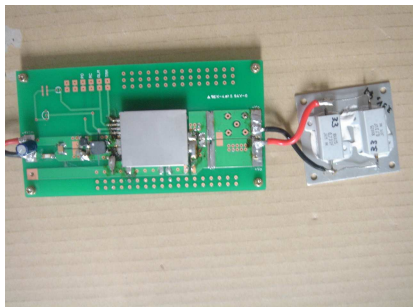
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Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																																									
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LINE CONDUCTION																																																																	
Model Name		SFCS304805			Temp.		25degreeC																																																										
Model No.					Humi.		45%																																																										
Serial No.					Date		2007/3/23 16:06																																																										
Points		2			Test Equip.		R3132,ESPC																																																										
Detector		PEAK/QP/Ave.			Load Line		100mm																																																										
Line Mode		VA/VB			Comment																																																												
Power Supply		DC 48V																																																															
Limit1:		[CISPR Pub11] Class A Gr.1(QP)																																																															
Limit2:		[CISPR Pub11] Class A Gr.1(Ave.)																																																															
							Limit1(QP) Limit2(Ave.) VA(PEAK) VB(PEAK) VA(QP) VA(Ave.) VB(QP) VB(Ave.)		Testing circuitry 1																																																								
<table><tr><th>Frequency [MHz]</th><th>Meter Reading (Ave.) [dBuV]</th><th>Meter Reading (QP) [dBuV]</th><th>Factor [dB]</th><th>Level(Ave.) [dBuV]</th><th>Level(QP) [dBuV]</th><th>Line</th><th>Limit(Ave.) [dBuV]</th><th>Limit(QP) [dBuV]</th><th>Margin(Ave.) [dB]</th><th>Margin(QP) [dB]</th></tr><tr><td>21.4605</td><td>42.6</td><td>44.1</td><td>10.3</td><td>52.9</td><td>54.4</td><td>VA</td><td>60</td><td>73</td><td>7.1</td><td>18.6</td></tr><tr><td>0.5502</td><td>30.4</td><td>31.1</td><td>9.9</td><td>40.3</td><td>41</td><td>VB</td><td>60</td><td>73</td><td>19.7</td><td>32</td></tr></table>											Frequency [MHz]	Meter Reading (Ave.) [dBuV]	Meter Reading (QP) [dBuV]	Factor [dB]	Level(Ave.) [dBuV]	Level(QP) [dBuV]	Line	Limit(Ave.) [dBuV]	Limit(QP) [dBuV]	Margin(Ave.) [dB]	Margin(QP) [dB]	21.4605	42.6	44.1	10.3	52.9	54.4	VA	60	73	7.1	18.6	0.5502	30.4	31.1	9.9	40.3	41	VB	60	73	19.7	32																						
Frequency [MHz]	Meter Reading (Ave.) [dBuV]	Meter Reading (QP) [dBuV]	Factor [dB]	Level(Ave.) [dBuV]	Level(QP) [dBuV]	Line	Limit(Ave.) [dBuV]	Limit(QP) [dBuV]	Margin(Ave.) [dB]	Margin(QP) [dB]																																																							
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RADIATED EMISSION																																																																	
Model Name		SFCS304805			Temp.		25degreeC																																																										
Model No.					Humi.		45%																																																										
Serial No.					Date		2007/3/23 15:14																																																										
Points		4			Test Equip.		R3132,ESPC																																																										
Detector		PEAK/QP			Load Line		100mm																																																										
Polarization		Vertical			Comment																																																												
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Frequency [MHz]	MeterReading (QP) [dBuV]	Ant. Type	Antenna Factor [dB/m]	Cable & Preamp [dB]	Level(QP) [dBuV/m]	Angle [°]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]																																																							
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DATA SHEET		Date	23-Mar-07
Model	SFCS304805	Temp.	25degreeC
Test	EMI Line conduction & Radiated emission	Humid.	45 %RH
		Tested by	S.Shiina

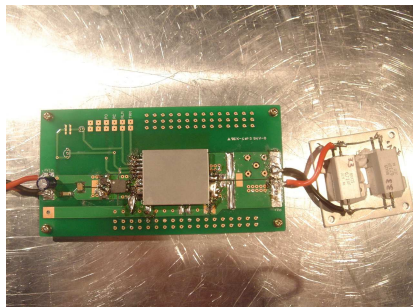
1.Conditions

(1)Photographs of Test Set-Up

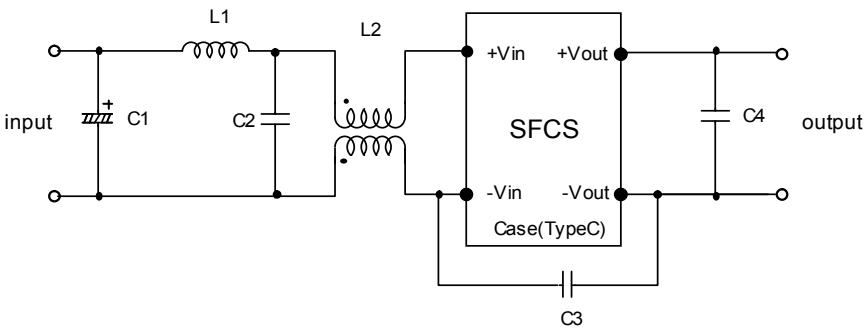
LINE CONDUCTION



Radiated emission



(2)Testing circuitry



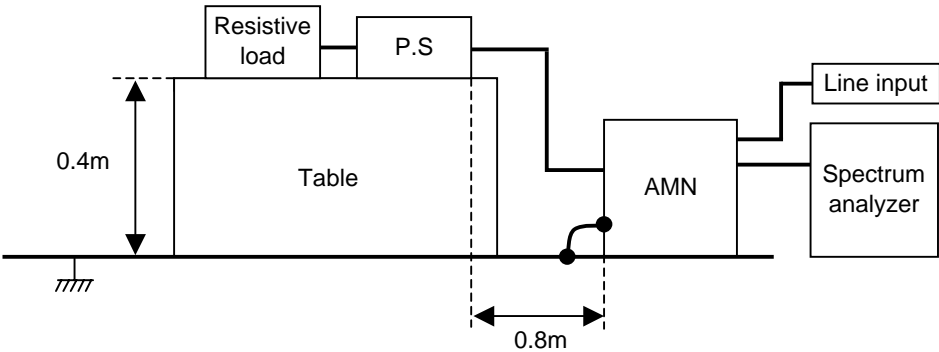
C1 : 22 μ F 100V Electric capacitor
C2 : 1 μ F 100V Ceramic capacitor
C3 : 1000pF 630V Ceramic capacitor
C4 : 22 μ F 16V Ceramic capacitor

L1 : 1 μ H 2.4A Inductor
L2 : ACM1211-102-2PL : TDK

Fig. Testing circuitry1

DATA SHEET		Date	23-Mar-07
Model	Circuit used for measurement	Temp.	25 degreeC
Test	EMI Line conduction & Radiated emission	Humid.	45 %RH
		Tested by	S.Shiina

1. Line conduction



2. Radiated emission

