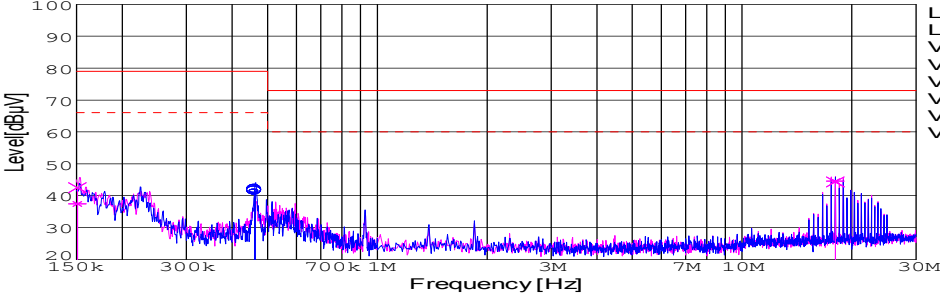
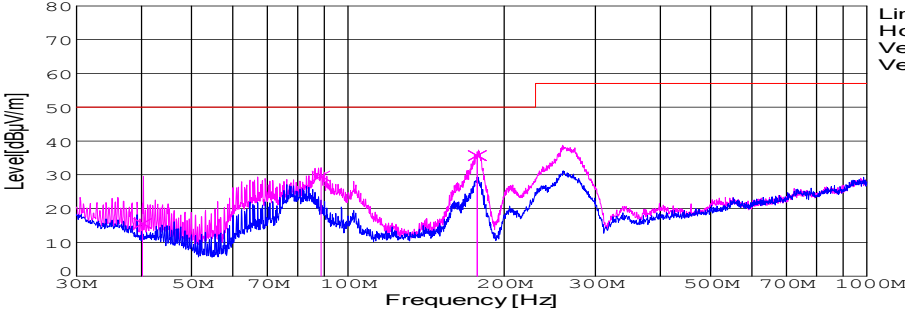


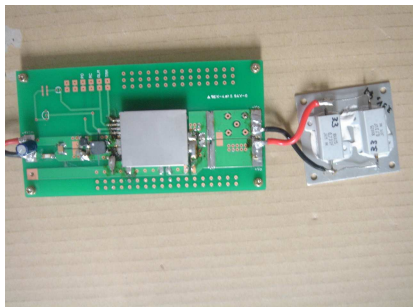
DATA SHEET							Date	12-Mar-07																																														
Model	SFCS304815						Temp.	25degreeC																																														
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																														
							Tested by	S.Shiina																																														
LINE CONDUCTION																																																						
Model Name		SFCS304815			Temp.		25degreeC																																															
Model No.					Humi.		45%																																															
Serial No.					Date		2007/3/12 21:25																																															
Points		3			Test Equip.		R3132,ESPC																																															
Detector		PEAK/QP/Ave.			Load Line		100mm																																															
Line Mode		VA/VB			Comment																																																	
Power Supply																																																						
Limit1:		[CISPR Pub11] Class A Gr.1(QP)																																																				
Limit2:		[CISPR Pub11] Class A Gr.1(Ave.)																																																				
							Limit1(QP)		—																																													
							Limit2(Ave.)		- - -																																													
							VA(PEAK)		—																																													
							VB(PEAK)		—																																													
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							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>0.4618</td><td>31.5</td><td>31.8</td><td>9.9</td><td>41.4</td><td>41.7</td><td>VA</td><td>66</td><td>79</td><td>24.6</td><td>37.3</td></tr><tr><td>0.1506</td><td>27.6</td><td>32.7</td><td>9.8</td><td>37.4</td><td>42.5</td><td>VB</td><td>66</td><td>79</td><td>28.6</td><td>36.5</td></tr><tr><td>17.9999</td><td>34.3</td><td>34.2</td><td>10.2</td><td>44.5</td><td>44.4</td><td>VB</td><td>60</td><td>73</td><td>15.5</td><td>28.6</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]	0.4618	31.5	31.8	9.9	41.4	41.7	VA	66	79	24.6	37.3	0.1506	27.6	32.7	9.8	37.4	42.5	VB	66	79	28.6	36.5	17.9999	34.3	34.2	10.2	44.5	44.4	VB	60	73	15.5	28.6
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		SFCS304815			Temp.		25degreeC																																															
Model No.					Humi.		45%																																															
Serial No.					Date		2007/3/12 21:33																																															
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 &amp; 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>40.215</td><td>34.9</td><td>BL</td><td>12.9</td><td>-32.2</td><td>15.6</td><td>351</td><td>100</td><td>Vert.</td><td>50</td><td>34.4</td></tr><tr><td>88.768</td><td>53.1</td><td>BL</td><td>8.4</td><td>-31.9</td><td>29.6</td><td>109</td><td>130</td><td>Vert.</td><td>50</td><td>20.4</td></tr><tr><td>177.537</td><td>58.6</td><td>BL</td><td>8.5</td><td>-31.4</td><td>35.7</td><td>243</td><td>102</td><td>Vert.</td><td>50</td><td>14.3</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]	40.215	34.9	BL	12.9	-32.2	15.6	351	100	Vert.	50	34.4	88.768	53.1	BL	8.4	-31.9	29.6	109	130	Vert.	50	20.4	177.537	58.6	BL	8.5	-31.4	35.7	243	102	Vert.	50	14.3
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	12-Mar-07
Model	SFCS304815	Temp.	25degreeC
Test	EMI Line conduction & Radiated emission	Humid.	45 %RH
		Tested by	S.Shiina

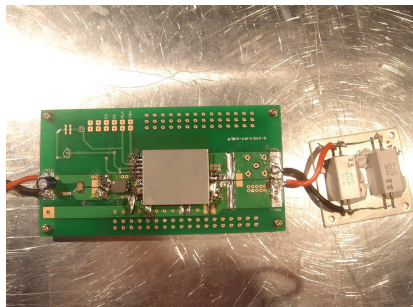
1.Conditions

(1)Photographs of Test Set-Up

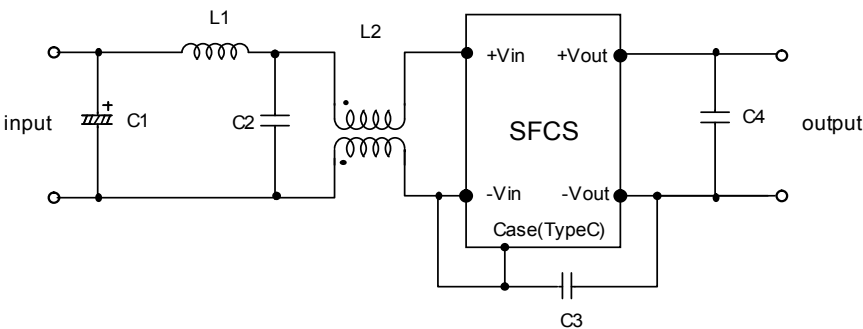
LINE CONDUCTION



Radiated emission



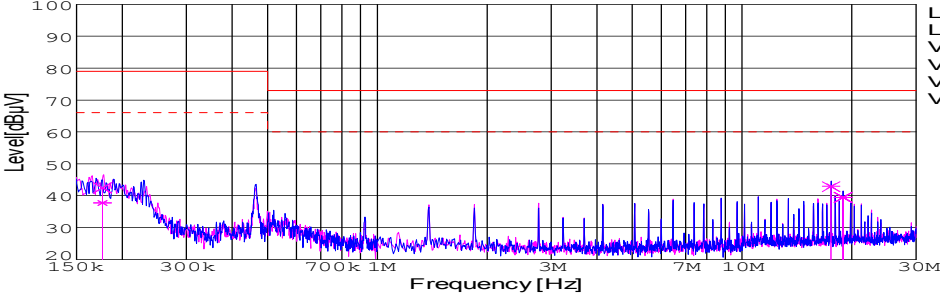
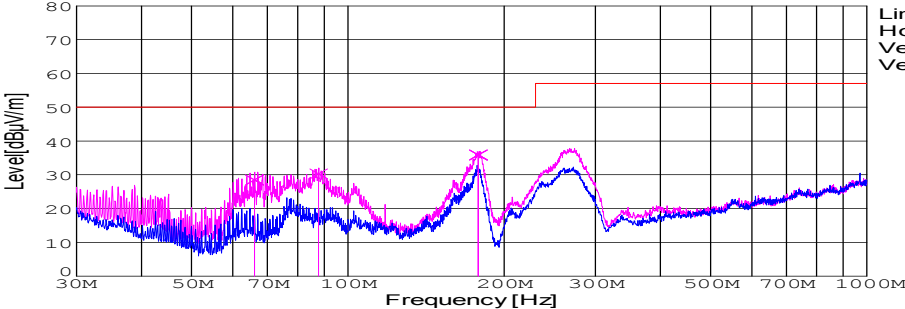
(2)Testing circuitry



C1 : 22µF 100V Electric capacitor  
C2 : 1µF 100V Ceramic capacitor  
C3 : 2200pF 630V Ceramic capacitor  
C4 : 0.1µF 50V Ceramic capacitor

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

Fig. Testing circuitry2

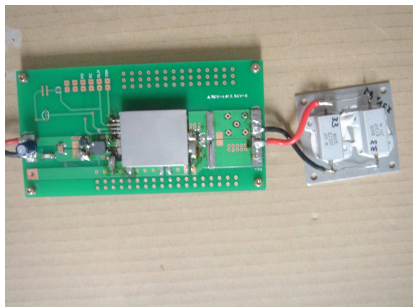
DATA SHEET							Date	12-Mar-07																																														
Model	SFCS304815						Temp.	25degreeC																																														
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																														
							Tested by	S.Shiina																																														
LINE CONDUCTION																																																						
Model Name		SFCS304815			Temp.		25degreeC																																															
Model No.					Humi.		45%																																															
Serial No.					Date		2007/3/12 20:08																																															
Points		3			Test Equip.		R3132,ESPC																																															
Detector		PEAK/QP/Ave.			Load Line		100mm																																															
Line Mode		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) 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>0.1764</td><td>27.9</td><td>32.7</td><td>9.8</td><td>37.7</td><td>42.5</td><td>VB</td><td>66</td><td>79</td><td>28.3</td><td>36.5</td></tr><tr><td>17.5361</td><td>32.8</td><td>32.6</td><td>10.2</td><td>43</td><td>42.8</td><td>VB</td><td>60</td><td>73</td><td>17</td><td>30.2</td></tr><tr><td>18.9188</td><td>29.2</td><td>29.1</td><td>10.3</td><td>39.5</td><td>39.4</td><td>VB</td><td>60</td><td>73</td><td>20.5</td><td>33.6</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]	0.1764	27.9	32.7	9.8	37.7	42.5	VB	66	79	28.3	36.5	17.5361	32.8	32.6	10.2	43	42.8	VB	60	73	17	30.2	18.9188	29.2	29.1	10.3	39.5	39.4	VB	60	73	20.5	33.6
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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Model Name		SFCS304815			Temp.		25degreeC																																															
Model No.					Humi.		45%																																															
Serial No.					Date		2007/3/12 21:06																																															
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 1																																													
<table><tr><th>Frequency [MHz]</th><th>MeterReading (QP) [dBuV]</th><th>Ant. Type</th><th>Antenna Factor [dB/m]</th><th>Cable &amp; 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>66.086</td><td>55.6</td><td>BL</td><td>4.9</td><td>-32</td><td>28.5</td><td>138</td><td>113</td><td>Vert.</td><td>50</td><td>21.5</td></tr><tr><td>87.845</td><td>53.9</td><td>BL</td><td>8.3</td><td>-31.9</td><td>30.3</td><td>103</td><td>122</td><td>Vert.</td><td>50</td><td>19.7</td></tr><tr><td>178.407</td><td>58.8</td><td>BL</td><td>8.5</td><td>-31.4</td><td>35.9</td><td>295</td><td>100</td><td>Vert.</td><td>50</td><td>14.1</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]	66.086	55.6	BL	4.9	-32	28.5	138	113	Vert.	50	21.5	87.845	53.9	BL	8.3	-31.9	30.3	103	122	Vert.	50	19.7	178.407	58.8	BL	8.5	-31.4	35.9	295	100	Vert.	50	14.1
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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87.845	53.9	BL	8.3	-31.9	30.3	103	122	Vert.	50	19.7																																												
178.407	58.8	BL	8.5	-31.4	35.9	295	100	Vert.	50	14.1																																												

DATA SHEET		Date	12-Mar-07
Model	SFCS304815	Temp.	25degreeC
Test	EMI Line conduction & Radiated emission	Humid.	45 %RH
		Tested by	S.Shiina

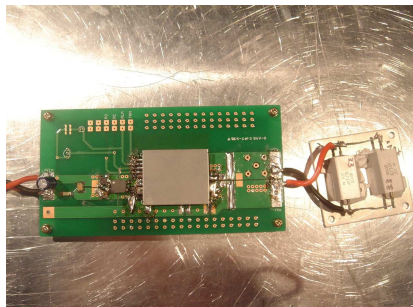
1.Conditions

(1)Photographs of Test Set-Up

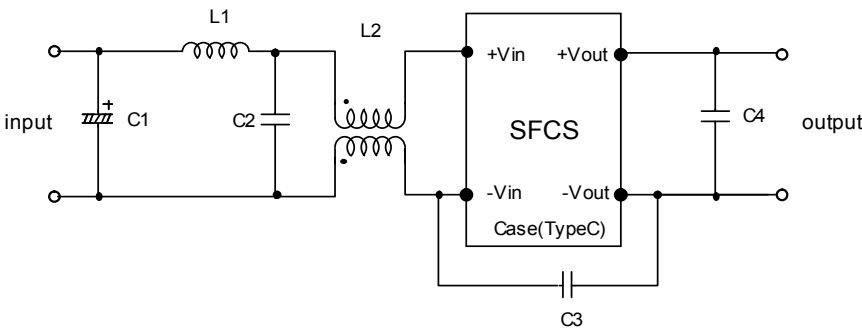
LINE CONDUCTION



Radiated emission



(2)Testing circuitry



- C1 : 22 $\mu$ F 100V Electric capacitor

C2 : 1 $\mu$ F 100V Ceramic capacitor

C3 : 2200pF 630V Ceramic capacitor

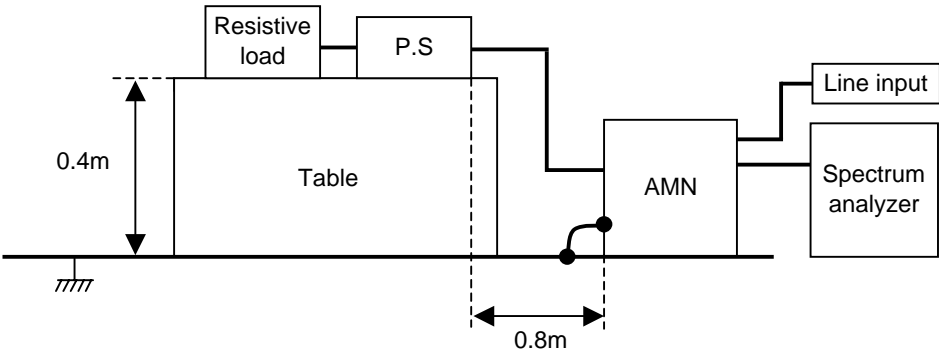
C4 : 0.1 $\mu$ F 50V Ceramic capacitor
- L1 : 1 $\mu$ H 2.4A Inductor

L2 : ACM1211-102-2PL : TDK

Fig. Testing circuitry1

DATA SHEET		Date	12-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

