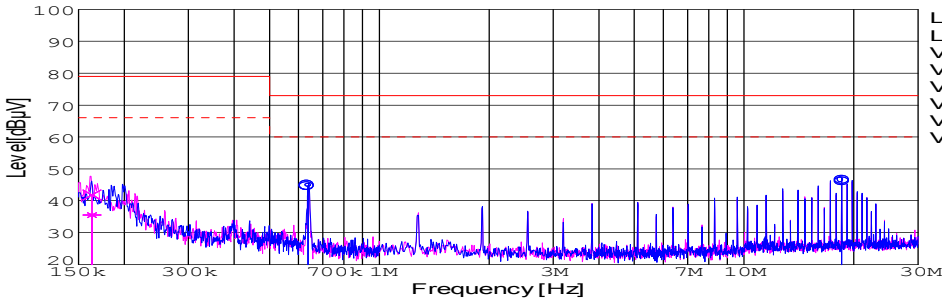
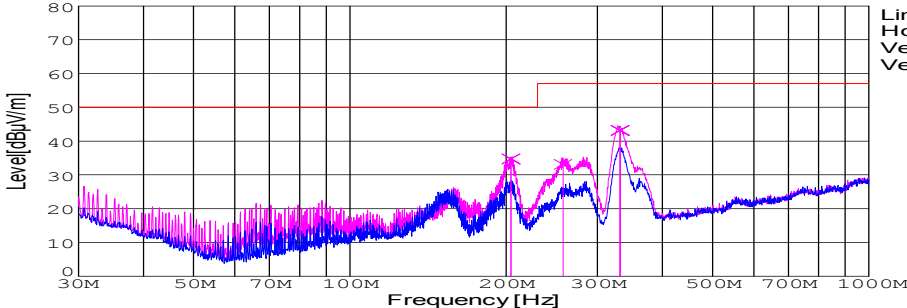


DATA SHEET							Date	12-Oct-07																																														
Model	SFS154812						Temp.	25 degreeC																																														
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																														
							Tested by	Y.Miyawaki																																														
LINE CONDUCTION																																																						
Model Name : SFS154812			Temp. : 25degreeC																																																			
Model No. :			Humi. : 45%																																																			
Serial No. :			Date : 2007/10/12 15:03																																																			
Points : 3			Test Equip. : R3132,ESPC																																																			
Detector : PEAK/QP/Ave.			Load Line : 100mm																																																			
Line Mode : VA/VB			Comment : Vo = 12.0V , Io = 1.3A																																																			
Power Supply : DC 48V																																																						
Limit1: [CISPR Pub11] Class A Gr.1(QP)																																																						
Limit2: [CISPR Pub11] Class A Gr.1(Ave.)																																																						
							<div>Limit1(QP)</div> <div>Limit2(Ave.)</div> <div>VA(PEAK)</div> <div>VB(PEAK)</div> <div>VA(QP)</div> <div>VA(Ave.)</div> <div>VB(QP)</div> <div>VB(Ave.)</div>																																															
<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>0.6381</td><td>34.8</td><td>34.6</td><td>9.9</td><td>44.7</td><td>44.5</td><td>VA</td><td>60</td><td>73</td><td>15.3</td><td>28.5</td></tr><tr><td>18.5117</td><td>36.3</td><td>35.9</td><td>10.2</td><td>46.5</td><td>46.1</td><td>VA</td><td>60</td><td>73</td><td>13.5</td><td>26.9</td></tr><tr><td>0.1631</td><td>25.7</td><td>32</td><td>9.8</td><td>35.5</td><td>41.8</td><td>VB</td><td>66</td><td>79</td><td>30.5</td><td>37.2</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]	0.6381	34.8	34.6	9.9	44.7	44.5	VA	60	73	15.3	28.5	18.5117	36.3	35.9	10.2	46.5	46.1	VA	60	73	13.5	26.9	0.1631	25.7	32	9.8	35.5	41.8	VB	66	79	30.5	37.2
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 : SFS154812			Temp. : 25degreeC																																																			
Model No. :			Humi. : 45%																																																			
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Points : 3			Test Equip. : R3132,ESPC																																																			
Detector : PEAK/QP			Load Line : 100mm																																																			
Polarization : Vertical			Comment : Vo = 12.0V , Io = 1.3A																																																			
Power Supply : DC 48V																																																						
Limit: [CISPR 11] Class A Group 1<3m>																																																						
							<div>Limit(QP)</div> <div>Horizontal(PEAK)</div> <div>Vertical(PEAK)</div> <div>Vertical(QP)</div>																																															
<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>204.31</td><td>57.5</td><td>BL</td><td>8.6</td><td>-31.3</td><td>34.8</td><td>187</td><td>111</td><td>Vert.</td><td>50</td><td>15.2</td></tr><tr><td>257.458</td><td>50.8</td><td>BL</td><td>13.4</td><td>-31.1</td><td>33.1</td><td>211</td><td>119</td><td>Vert.</td><td>57</td><td>23.9</td></tr><tr><td>331.752</td><td>60.1</td><td>BL</td><td>13.9</td><td>-30.8</td><td>43.2</td><td>218</td><td>100</td><td>Vert.</td><td>57</td><td>13.8</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]	204.31	57.5	BL	8.6	-31.3	34.8	187	111	Vert.	50	15.2	257.458	50.8	BL	13.4	-31.1	33.1	211	119	Vert.	57	23.9	331.752	60.1	BL	13.9	-30.8	43.2	218	100	Vert.	57	13.8
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-Oct-07
Model	SFS154812	Temp.	25 degreeC
Test	EMI Line conduction & Radiated emission	Humid.	45 %RH
		Tested by	Y.Miyawaki

1.Conditions

(1)Photograph of Test Set-Up

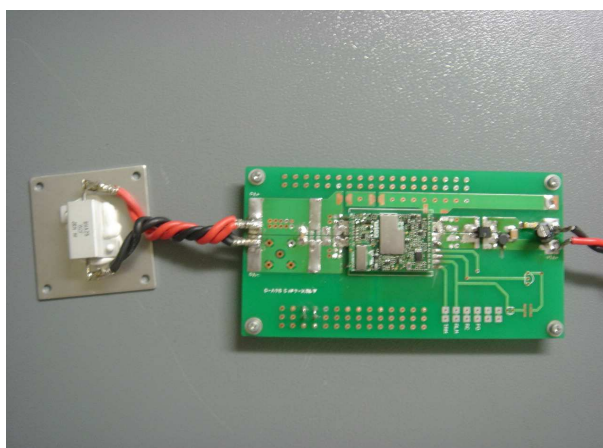
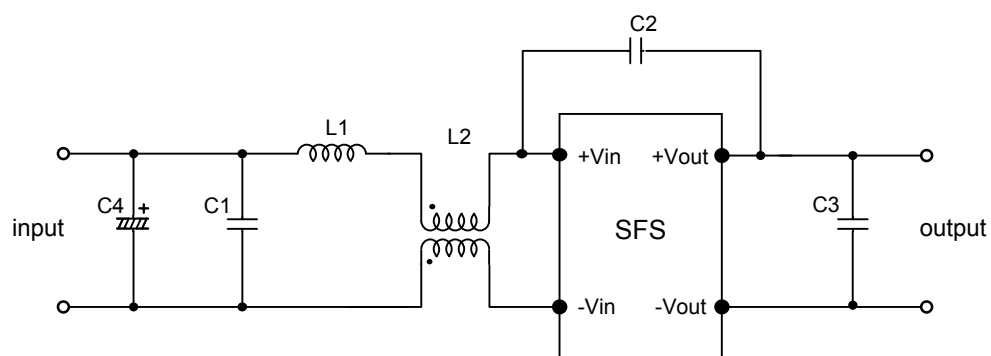


Fig1. Photograph of Test Set-Up

(2)Testing circuitry



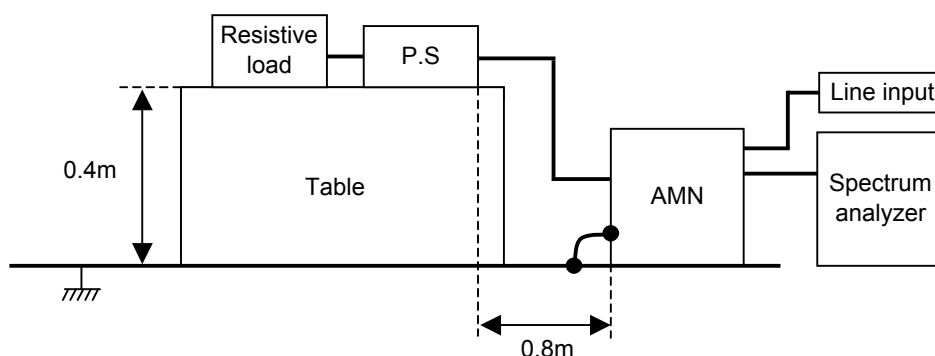
C1: 1 μ F 100V Ceramic capacitor
C2: 2200pF 630V Ceramic capacitor
C3: 0.1 μ F 50V Ceramic capacitor
C4: 10 μ F 100V Electric capacitor

L1: 1 μ H 2.4A Inductor
L2: ZJYS51R5-2PT : TDK

Fig2. Testing circuitry

DATA SHEET		Date	12-Oct-07
Model	Circuit used for measurement	Temp.	25 degreeC
Test	EMI Line conduction & Radiated emission	Humid.	45 %RH
		Tested by	Y.Miyawaki

1. Line conduction



2. Radiated emission

