

CONDUCTED EMISSION DATA

Date of Test	: July 4, 2000	EUT	: SM-10T
Test Mode	: Channel 1	Detect Mode	: Quasi-Peak

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
MHz	Loss	Factor	Line1	Line1	
	dB	dB	dBuV	dBuV	dBuV
*0.473	0.06	0.10	33.77	33.93	48.00
0.509	0.06	0.10	32.31	32.47	48.00
0.536	0.07	0.10	31.48	31.65	48.00
0.602	0.07	0.10	30.53	30.70	48.00
0.637	0.08	0.10	28.96	29.14	48.00
0.731	0.08	0.10	21.95	22.13	48.00

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
MHz	Loss	Factor	Line2	Line2	
	dB	dB	dBuV	dBuV	dBuV
*0.477	0.06	0.10	39.06	39.22	48.00
0.555	0.07	0.10	36.99	37.16	48.00
0.595	0.07	0.10	36.22	36.39	48.00
1.130	0.11	0.11	26.19	26.40	48.00
1.204	0.11	0.11	26.46	26.68	48.00
1.263	0.11	0.11	26.14	26.36	48.00

Remarks :

1. “ * ” means that this data is the worst emission level.
2. The average measurement was not performed when the peak measured data under the limit of average detection.



CONDUCTED EMISSION DATA

Date of Test	: July 4, 2000	EUT	: SM-10T
Test Mode	: Channel 2	Detect Mode	: Quasi-Peak

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
	Loss	Factor	Line1	Line1	
MHz	dB	dB	dBuV	dBuV	dBuV
*0.454	0.06	0.10	34.70	34.86	48.00
0.485	0.06	0.10	33.30	33.46	48.00
0.555	0.07	0.10	31.24	31.41	48.00
0.610	0.07	0.10	30.24	30.41	48.00
0.727	0.08	0.10	22.24	22.42	48.00
0.786	0.09	0.10	17.47	17.66	48.00

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
	Loss	Factor	Line2	Line2	
MHz	dB	dB	dBuV	dBuV	dBuV
*0.501	0.06	0.10	38.42	38.58	48.00
0.563	0.07	0.10	36.69	36.86	48.00
0.696	0.08	0.10	31.56	31.74	48.00
0.794	0.09	0.10	26.50	26.69	48.00
1.325	0.12	0.11	24.45	24.68	48.00
1.907	0.14	0.13	16.84	17.11	48.00

Remarks :

1. " * " means that this data is the worst emission level.
2. The average measurement was not performed when the peak measured data under the limit of average detection.

CONDUCTED EMISSION DATA

Date of Test	: July 4, 2000	EUT	: SM-10T
Test Mode	: Channel 4	Detect Mode	: Quasi-Peak

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
	Loss	Factor	Line1	Line1	
MHz	dB	dB	dBuV	dBuV	dBuV
0.454	0.06	0.10	34.68	34.84	48.00
0.477	0.06	0.10	33.63	33.79	48.00
0.583	0.07	0.10	30.98	31.15	48.00
0.692	0.08	0.10	24.98	25.16	48.00
1.122	0.11	0.11	11.13	11.34	48.00
1.352	0.12	0.11	11.85	12.08	48.00

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
	Loss	Factor	Line2	Line2	
MHz	dB	dB	dBuV	dBuV	dBuV
0.450	0.06	0.10	39.76	39.92	48.00
0.516	0.07	0.10	37.92	38.09	48.00
0.552	0.07	0.10	36.97	37.14	48.00
0.606	0.07	0.10	35.72	35.89	48.00
0.622	0.07	0.10	35.21	35.38	48.00
0.708	0.08	0.10	30.90	31.08	48.00

Remarks :

1. “ * ” means that this data is the worst emission level.
2. The average measurement was not performed when the peak measured data under the limit of average detection.



General Radiated Emission Data

Date of Test	: July 4, 2000	EUT	: SM-10T
Test Mode	: Channel 1	Test Site	: Open Site 2

Freq. MHz	Cable Loss dB	Probe Factor dB/m	PreAMP dB	Reading Level dBuV	Measurement Horizontal dBuV/m	Margin dB	Limit dBuV/m	Ant cm	Turn deg
*324.195	3.88	14.35	0.00	22.46	40.69	5.31	46.00	100	74
400.475	4.28	16.60	0.00	18.01	38.89	7.11	46.00	100	96
467.223	4.63	17.52	0.00	15.02	37.16	8.84	46.00	100	99
476.758	4.68	17.63	0.00	17.47	39.78	6.22	46.00	100	127
553.035	5.07	19.01	0.00	16.97	41.05	4.95	46.00	175	115
581.645	5.22	18.85	0.00	14.98	39.05	6.95	46.00	176	83
591.177	5.27	18.83	0.00	15.19	39.29	6.71	46.00	176	115
619.785	5.42	19.28	0.00	12.39	37.09	8.91	46.00	151	115
886.770	6.82	20.75	0.00	9.30	36.86	9.14	46.00	100	71
924.910	7.01	21.21	0.00	8.50	36.72	9.28	46.00	102	84

Freq. MHz	Cable Loss dB	Probe Factor dB/m	PreAMP dB	Reading Level dBuV	Measurement Vertical dBuV/m	Margin dB	Limit dBuV/m	Ant cm	Turn deg
*47.690	1.32	9.88	0.00	25.62	36.82	3.18	40.00	125	84
59.625	1.44	7.57	0.00	18.59	27.60	12.40	40.00	100	21
69.265	1.53	8.34	0.00	15.02	24.89	15.11	40.00	100	165
165.215	2.46	9.66	0.00	23.02	35.14	8.36	43.50	100	147
269.365	3.46	13.65	0.00	25.69	42.79	3.21	46.00	100	32
400.650	4.28	16.59	0.00	19.62	40.49	5.51	46.00	100	82
520.625	4.90	17.60	0.00	16.32	38.82	7.18	46.00	252	62
826.654	6.50	20.70	0.00	14.02	41.22	4.78	46.00	175	15
852.012	6.62	20.95	0.00	12.02	39.59	6.41	46.00	132	32

Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. “ * ”, means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss



General Radiated Emission Data

Date of Test	: July 4, 2000	EUT	:	SM-10T
Test Mode	: Channel 2	Test Site	:	Open Site 2

Freq. MHz	Cable Loss dB	Probe Factor dB/m	PreAMP dB	Reading Level dBuV	Measurement Horizontal dBuV/m	Margin dB	Limit dBuV/m	Ant cm	Turn deg
324.195	3.88	14.35	0.00	22.50	40.73	5.27	46.00	100	83
400.475	4.28	16.60	0.00	18.00	38.88	7.12	46.00	100	49
436.066	4.46	16.92	0.00	18.51	39.89	6.11	46.00	169	92
503.063	4.81	17.87	0.00	16.32	39.00	7.00	46.00	165	154
553.035	5.07	19.01	0.00	17.03	41.11	4.89	46.00	182	165
691.185	5.79	19.09	0.00	11.85	36.74	9.26	46.00	143	99
826.365	6.50	20.67	0.00	10.06	37.23	8.77	46.00	100	92
924.910	7.01	21.21	0.00	8.35	36.57	9.43	46.00	100	98

Freq. MHz	Cable Loss dB	Probe Factor dB/m	PreAMP dB	Reading Level dBuV	Measurement Vertical dBuV/m	Margin dB	Limit dBuV/m	Ant cm	Turn deg
51.690	1.36	8.23	0.00	24.32	33.91	6.09	40.00	129	95
84.620	1.67	9.44	0.00	26.32	37.43	2.57	40.00	134	14
*156.659	2.36	10.37	0.00	28.25	40.98	2.52	43.50	184	75
265.320	3.42	13.65	0.00	22.12	39.19	6.81	46.00	174	82
400.152	4.28	16.59	0.00	19.32	40.19	5.81	46.00	241	15
544.250	5.03	18.76	0.00	15.26	39.05	6.95	46.00	241	92
842.154	6.58	20.81	0.00	14.69	42.08	3.92	46.00	174	67
881.021	6.78	21.04	0.00	13.02	40.84	5.16	46.00	162	77

Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss



General Radiated Emission Data

Date of Test	: July 4, 2000	EUT	:	SM-10T
Test Mode	: Channel 4	Test Site	:	Open Site 2

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
MHz	Loss	Factor		Level	Horizontal			cm	deg
	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m		
324.195	3.88	14.35	0.00	22.36	40.59	5.41	46.00	100	69
462.662	4.60	17.24	0.00	16.36	38.20	7.80	46.00	100	92
*553.031	5.07	19.01	0.00	16.82	40.90	5.10	46.00	184	151
562.363	5.12	18.80	0.00	15.36	39.28	6.72	46.00	165	12
591.626	5.27	18.83	0.00	16.36	40.46	5.54	46.00	156	92
633.365	5.49	19.36	0.00	13.32	38.18	7.82	46.00	142	195
886.362	6.82	20.75	0.00	10.32	37.88	8.12	46.00	100	13
936.358	7.07	21.24	0.00	9.40	37.71	8.29	46.00	100	165

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
MHz	Loss	Factor		Level	Vertical			cm	deg
	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m		
47.000	1.32	9.88	0.00	23.58	34.78	5.22	40.00	159	65
79.658	1.63	9.58	0.00	22.87	34.07	5.93	40.00	147	32
159.658	2.40	10.25	0.00	24.69	37.34	6.16	43.50	258	81
*269.365	3.46	13.65	0.00	26.32	43.42	2.58	46.00	241	15
441.269	4.49	16.32	0.00	15.62	36.43	9.57	46.00	196	47
541.263	5.01	18.77	0.00	13.02	36.79	9.21	46.00	182	165
842.023	6.58	20.81	0.00	15.32	42.71	3.29	46.00	165	198
888.362	6.82	21.17	0.00	13.25	41.24	4.76	46.00	200	203

Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss



Fundamental Radiated Emission Data

Date of Test	July 4, 2000	EUT	SM-10T
Test Mode	Normal	Test Site	Open Site 2

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	Horizontal				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector

Channel 1

2411.200	3.84	29.26	34.90	80.95	79.15	34.85	114.00	0	0
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Channel 2

2431.200	3.86	29.31	34.90	79.45	77.71	36.29	114.00	0	0
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Channel 4

2468.800	3.89	29.39	34.90	80.03	78.42	35.58	114.00	0	0
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Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	Vertical				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector

Channel 1

2412.150	3.84	29.26	34.90	83.05	81.25	32.75	114.00	0	0
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Channel 2

2431.100	3.86	29.31	34.90	82.66	80.92	33.08	114.00	0	0
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Channel 4

2468.650	3.89	29.39	34.90	82.52	80.91	33.09	114.00	0	0
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Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss
4. The average measurement was not performed when the peak measured data under the limit of average detection.

Harmonic Radiated Emission Data

Date of Test	: July 4, 2000	EUT	:	SM-10T
Test Mode	: Channel 1	Test Site	:	Open Site 2

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	Horizontal				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector:

4826.060	6.27	33.50	34.77	50.93	55.93	18.07	74.00	0	0
7238.710	8.32	36.24	34.90	44.24	53.90	20.10	74.00	0	0
9649.800	10.18	37.43	35.10	42.41	<54.92	19.08	74.00	0	0
12061.42	11.91	39.13	34.65	42.04	<58.43	15.57	74.00	0	0

Average Detector:

4825.620	6.27	33.50	34.77	43.98	48.98	5.02	54.00	0	0
7238.460	8.32	36.24	34.90	35.41	45.07	8.93	54.00	0	0
9650.460	10.18	37.43	35.10	31.91	<44.42	9.58	54.00	0	0
12062.46	11.91	39.13	34.65	31.48	<47.87	6.13	54.00	0	0

Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. “ * ”, means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss
4. The average measurement was not performed when the peak measured data under the limit of average detection.



Harmonic Radiated Emission Data

Date of Test	:	July 4, 2000	EUT	:	SM-10T
Test Mode	:	Channel 1	Test Site	:	Open Site 2

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	Vertical				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector:

4826.060	6.27	33.50	34.77	52.30	57.30	16.70	74.00	0	0
7238.920	8.32	36.24	34.90	43.27	52.93	21.07	74.00	0	0
9650.640	10.18	37.43	35.10	42.07	<54.58	19.42	74.00	0	0
12062.63	11.91	39.13	34.65	41.33	<57.72	16.28	74.00	0	0

Average Detector:

4825.480	6.27	33.50	34.77	43.99	48.99	5.01	54.00	0	0
7238.660	8.32	36.24	34.90	31.63	41.29	12.71	54.00	0	0
9650.660	10.18	37.43	35.10	31.84	<44.35	9.65	54.00	0	0
12062.66	11.91	39.13	34.65	31.41	<47.80	6.20	54.00	0	0

Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
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3. Emission Level = Reading Level + Antenna Factor + Cable loss
4. The average measurement was not performed when the peak measured data under the limit of average detection.



Harmonic Radiated Emission Data

Date of Test	: July 4, 2000	EUT	:	SM-10T
Test Mode	: Channel 2	Test Site	:	Open Site 2

Freq.	Cable Loss	Probe Factor	PreAMP	Reading Level	Measurement Horizontal	Margin	Limit	Ant	Turn
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector:

4863.020	6.30	33.54	34.76	52.30	57.39	16.61	74.00	0	0
7294.860	8.37	36.29	34.90	45.66	55.41	18.59	74.00	0	0
9726.460	10.23	37.44	35.10	43.48	<56.05	17.95	74.00	0	0
12158.48	11.97	39.16	34.58	40.95	<57.50	16.50	74.00	0	0

Average Detector:

4863.460	6.30	33.54	34.76	45.68	50.77	3.23	54.00	0	0
7295.470	8.37	36.29	34.90	34.72	44.47	9.53	54.00	0	0
9726.480	10.23	37.44	35.10	32.04	<44.61	9.39	54.00	0	0
12158.48	11.97	39.16	34.58	31.21	<47.76	6.24	54.00	0	0

Remarks:

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4. The average measurement was not performed when the peak measured data under the limit of average detection.



Harmonic Radiated Emission Data

Date of Test	: July 4, 2000	EUT	:	SM-10T
Test Mode	: Channel 2	Test Site	:	Open Site 2

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
MHz	Loss	Factor	dB	Level	Vertical	dB	dBuV/m	cm	deg
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector:

4864.500	6.30	33.54	34.76	51.27	56.36	17.64	74.00	0	0
7295.280	8.37	36.29	34.90	43.75	53.50	20.50	74.00	0	0
9727.640	10.23	37.44	35.10	43.69	<56.26	17.74	74.00	0	0
12159.58	11.97	39.16	34.58	42.34	<58.89	15.11	74.00	0	0

Average Detector:

4863.490	6.30	33.54	34.76	43.80	48.89	5.11	54.00	0	0
7295.540	8.37	36.29	34.90	31.83	41.58	12.42	54.00	0	0
9727.530	10.23	37.44	35.10	31.99	<44.56	9.44	54.00	0	0
12159.53	11.97	39.16	34.58	31.48	<48.03	5.97	54.00	0	0

Remarks:

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Harmonic Radiated Emission Data

Date of Test	:	July 4, 2000	EUT	:	SM-10T
Test Mode	:	Channel 4	Test Site	:	Open Site 2

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	Horizontal				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector:

4942.150	6.38	33.64	34.72	53.31	58.61	15.39	74.00	0	0
7410.450	8.46	36.41	34.90	45.15	55.12	18.88	74.00	0	0
9876.750	10.34	37.47	35.10	45.05	<57.77	16.23	74.00	0	0
12345.55	12.10	39.24	34.43	43.11	<60.01	13.99	74.00	0	0

Average Detector:

4942.150	6.38	33.64	34.72	44.73	50.03	3.97	54.00	0	0
7410.450	8.46	36.41	34.90	34.07	44.04	9.96	54.00	0	0
9876.750	10.34	37.47	35.10	32.35	<45.07	8.93	54.00	0	0
12345.55	12.10	39.24	34.43	32.10	<49.00	5.00	54.00	0	0

Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
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4. The average measurement was not performed when the peak measured data under the limit of average detection.



Harmonic Radiated Emission Data

Date of Test	:	July 4, 2000	EUT	:	SM-10T
Test Mode	:	Channel 4	Test Site	:	Open Site 2

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
MHz	Loss	Factor	dB	Level	Vertical	dB	dBuV/m	cm	deg
	dB	dB/m	dB	dBuV	dBuV/m				

Peak Detector:

4942.140	6.38	33.64	34.72	53.20	58.50	15.50	74.00	0	0
7409.900	8.46	36.41	34.90	45.80	55.77	18.23	74.00	0	0
9878.200	10.34	37.47	35.10	41.66	<54.38	19.62	74.00	0	0
12345.50	12.10	39.24	34.43	41.75	<58.65	15.35	74.00	0	0

Average Detector:

4939.520	6.38	33.64	34.72	46.62	51.92	2.08	54.00	0	0
7409.380	8.46	36.41	34.90	34.80	44.77	9.23	54.00	0	0
9878.950	10.34	37.47	35.10	32.71	<45.43	8.57	54.00	0	0
12345.50	12.10	39.24	34.43	31.33	<48.23	5.77	54.00	0	0

Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss
4. The average measurement was not performed when the peak measured data under the limit of average detection.

