Signal Generator

SSG-8N12G-RC

Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Freq. (MHz)	Power deviation from nominal vs. Output Frequency (dB)									
	-50 dBm	-45 dBm	-40 dBm	-30 dBm	-20 dBm	-10 dBm	0 dBm	+10 dBm	+15 dBm	+20 dBm
8000	-0.52	-0.28	-0.27	-0.15	-0.06	-0.12	-0.03	0.14	0.19	0.12
8100	-0.11	-0.20	-0.24	-0.19	-0.13	-0.11	-0.11	0.18	0.08	0.05
8200	-0.15	-0.36	-0.44	-0.43	-0.41	-0.31	-0.16	0.02	-0.06	-0.02
8300	-0.06	-0.29	-0.29	-0.21	-0.15	-0.11	-0.14	0.04	0.10	0.09
8400	-0.13	-0.30	-0.28	-0.10	-0.02	0.06	-0.03	0.13	0.17	0.18
8500	-0.43	-0.53	-0.25	-0.18	-0.04	0.00	-0.13	0.07	0.21	0.14
8600	-0.84	-0.34	-0.28	-0.04	-0.01	0.15	0.08	0.25	0.32	0.26
8700	0.16	0.03	0.10	-0.09	-0.10	0.01	-0.02	0.09	0.16	0.07
8800	0.24	-0.03	-0.06	-0.09	-0.05	0.14	0.08	0.17	0.24	0.19
8900	0.02	-0.02	0.00	-0.18	-0.15	-0.05	-0.02	0.15	0.15	0.15
9000	0.00	-0.23	-0.14	-0.11	-0.02	0.08	0.07	0.35	0.29	0.28
9100	-0.25	-0.38	-0.25	-0.15	0.00	-0.02	-0.04	0.23	0.23	0.18
9200	-0.57	-0.53	-0.29	-0.28	-0.21	-0.02	0.06	0.23	0.25	0.15
9300	-0.37	-0.39	-0.17	-0.23	-0.08	-0.16	-0.13	0.14	0.09	0.12
9400	-0.44	-0.37	-0.25	-0.17	0.11	-0.02	-0.06	0.33	0.31	0.26
9500	0.15	0.00	-0.09	-0.09	0.12	-0.02	-0.04	0.12	0.16	0.09
9600	-0.08	-0.15	-0.15	-0.13	0.14	0.15	0.17	0.31	0.25	0.21
9700	-0.27	-0.05	-0.18	-0.05	0.07	0.00	0.12	0.26	0.25	0.17
9800	-0.54	-0.49	-0.36	-0.34	-0.17	-0.13	-0.14	0.19	0.21	0.19
9900	-0.17	-0.21	-0.29	-0.22	-0.05	-0.11	-0.13	0.15	0.21	0.17
10000	-0.02	-0.21	-0.11	-0.24	-0.08	-0.06	-0.03	0.11	0.13	0.12
10100	-0.10	-0.23	-0.15	-0.07	0.11	-0.09	-0.13	0.11	0.10	0.22
10200	-0.64	-0.54	-0.34	-0.27	-0.08	-0.10	0.00	0.26	0.21	0.18
10300	-0.84	-0.22	-0.30	-0.11	0.11	0.04	0.15	0.27	0.30	0.30
10400	-0.09	-0.20	-0.05	-0.23	-0.03	-0.07	0.05	0.18	0.10	0.14
10500	-0.24	0.20	-0.14	-0.12	0.05	0.11	0.07	0.26	0.25	0.19
10600	0.13	0.07	0.02	-0.05	0.04	-0.09	-0.16	0.31	0.21	0.13
10700	-0.12	0.08	-0.13	-0.11	-0.08	-0.02	-0.12	0.20	0.17	0.20
10800	0.18	0.20	0.10	0.04	0.05	-0.13	-0.06	0.23	0.14	0.22
10900	-0.05	0.01	-0.14	-0.01	0.05	0.10	0.12	0.42	0.28	0.31
11000	0.27	0.11	0.06	0.11	-0.05	-0.13	-0.06	0.10	0.06	-0.07
11100	-0.57	-0.28	-0.28	-0.16	-0.08	0.04	0.23	0.33	0.31	0.47
11200	0.03	0.15	0.13	0.05	0.00	-0.06	-0.14	0.17	0.15	0.22
11300	0.22	0.13	-0.03	-0.11	0.08	0.08	0.04	0.21	0.22	0.23
11400	-0.23	-0.32	-0.23	-0.07	0.03	-0.21	-0.23	0.08	-0.02	0.09
11500	-0.66	-1.00	-0.67	-0.36	0.00	0.06	0.11	0.26	0.20	0.18
11600	-1.71	-0.95	-0.51	-0.36	-0.15	-0.12	-0.21	-0.03	0.04	0.12
11700	-1.36	-0.17	-0.23	-0.10	0.00	-0.04	-0.07	0.19	0.10	0.21
11800	-0.14	0.04	0.08	-0.05	-0.02	-0.06	0.05	0.19	0.25	0.20
11900	0.67	0.28	0.25	0.03	0.11	-0.02	-0.01	0.17	0.30	0.27
12000	1.18	0.54	0.21	0.05	0.07	0.03	-0.01	0.14	0.22	0.21
12100	0.07	-0.04	-0.03	0.06	-0.02	-0.08	-0.12	0.09	0.15	0.16
12200	-0.09	0.04	-0.19	-0.18	-0.04	0.08	0.01	0.21	0.20	0.16
12300	-0.12	-0.14	-0.18	0.04	0.03	-0.12	-0.08	0.23	0.29	0.09
12400	-0.59	-0.32	-0.33	-0.10	-0.07	0.00	0.05	0.37	0.40	0.31
12500	-0.54	-0.32	-0.24	-0.16	-0.25	-0.36	-0.20	-0.08	-0.17	-0.09

Signal Generator

Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Power (dBm)	Power deviation from nominal vs. Output Power (dB)									
	8.0 GHz	8.5 GHz	9.0 GHz	9.5 GHz	10.0 GHz	10.5 GHz	11.0 GHz	11.5 GHz	12.0 GHz	12.5 GHz
-50	-0.52	-0.43	0.00	0.15	-0.02	-0.24	0.27	-0.66	1.18	-0.54
-49	-0.47	-0.45	-0.05	0.12	-0.06	-0.15	0.24	-0.73	1.05	-0.50
-48	-0.42	-0.47	-0.09	0.09	-0.10	-0.06	0.21	-0.79	0.92	-0.45
-47	-0.37	-0.49	-0.14	0.06	-0.13	0.03	0.17	-0.86	0.80	-0.41
-46	-0.33	-0.51	-0.18	0.03	-0.17	0.12	0.14	-0.93	0.67	-0.36
-45	-0.28	-0.53	-0.23	0.00	-0.21	0.20	0.11	-1.00	0.54	-0.32
-44	-0.28	-0.48	-0.21	-0.02	-0.19	0.14	0.10	-0.93	0.48	-0.30
-43	-0.28	-0.42	-0.19	-0.04	-0.17	0.07	0.09	-0.87	0.41	-0.29
-42	-0.27	-0.36	-0.17	-0.05	-0.15	0.00	0.08	-0.80	0.34	-0.27
-41	-0.27	-0.30	-0.16	-0.07	-0.13	-0.07	0.07	-0.74	0.27	-0.26
-40	-0.27	-0.25	-0.14	-0.09	-0.11	-0.14	0.06	-0.67	0.21	-0.24
-38	-0.27	-0.19	-0.14	-0.08	-0.14	-0.19	0.09	-0.61	0.17	-0.22
-36	-0.26	-0.13	-0.14	-0.07	-0.17	-0.23	0.12	-0.55	0.13	-0.20
-34	-0.24	-0.12	-0.14	-0.07	-0.19	-0.23	0.13	-0.49	0.09	-0.18
-32	-0.19	-0.15	-0.13	-0.08	-0.22	-0.18	0.12	-0.42	0.07	-0.17
-30	-0.15	-0.18	-0.11	-0.09	-0.24	-0.12	0.11	-0.36	0.05	-0.16
-28	-0.12	-0.13	-0.09	-0.10	-0.22	-0.08	0.12	-0.31	0.01	-0.17
-26	-0.10	-0.09	-0.07	-0.10	-0.20	-0.04	0.14	-0.26	-0.03	-0.17
-24	-0.08	-0.06	-0.05	-0.06	-0.17	-0.01	0.11	-0.19	-0.02	-0.19
-22	-0.07	-0.05	-0.03	0.03	-0.13	0.02	0.03	-0.10	0.02	-0.22
-20	-0.06	-0.04	-0.02	0.12	-0.08	0.05	-0.05	0.00	0.07	-0.25
-18	-0.06	-0.03	0.07	0.06	-0.09	0.06	-0.07	-0.06	0.04	-0.21
-16	-0.06	-0.03	0.15	0.00	-0.10	0.06	-0.09	-0.12	0.01	-0.18
-14	-0.08	-0.02	0.17	-0.02	-0.09	0.07	-0.10	-0.11	0.00	-0.20
-12	-0.10	-0.01	0.12	-0.02	-0.08	0.09	-0.11	-0.02	0.01	-0.28
-10	-0.12	0.00	0.08	-0.02	-0.06	0.11	-0.13	0.06	0.03	-0.36
-8	-0.10	-0.02	0.10	0.03	-0.05	0.07	-0.10	0.04	0.00	-0.28
-6	-0.08	-0.04	0.12	0.07	-0.04	0.03	-0.07	0.02	-0.02	-0.20
-4	-0.06	-0.07	0.11	0.06	-0.03	0.02	-0.06	0.03	-0.03	-0.17
-2	-0.05	-0.10	0.09	0.01	-0.03	0.04	-0.06	0.07	-0.02	-0.19
0	-0.03	-0.13	0.07	-0.04	-0.03	0.07	-0.06	0.11	-0.01	-0.20
+2	0.01	-0.05	0.17	0.05	0.01	0.14	-0.04	0.18	0.04	-0.16
+4	0.06	0.04	0.28	0.14	0.05	0.21	-0.02	0.25	0.09	-0.11
+6	0.09	0.08	0.34	0.17	0.08	0.25	0.01	0.28	0.12	-0.09
+8	0.12	0.07	0.34	0.15	0.10	0.26	0.05	0.27	0.13	-0.08
+10	0.14	0.07	0.35	0.12	0.11	0.26	0.10	0.26	0.14	-0.08
+11	0.15	0.09	0.34	0.13	0.12	0.26	0.09	0.25	0.16	-0.10
+12	0.16	0.12	0.32	0.14	0.12	0.26	0.08	0.24	0.17	-0.12
+13	0.17	0.15	0.31	0.14	0.12	0.26	0.08	0.23	0.19	-0.14
+14	0.18	0.18	0.30	0.15	0.12	0.25	0.07	0.22	0.21	-0.15
+15	0.19	0.21	0.29	0.16	0.13	0.25	0.06	0.20	0.22	-0.17
+16	0.18	0.19	0.29	0.15	0.12	0.24	0.04	0.20	0.22	-0.16
+17	0.16	0.18	0.28	0.13	0.12	0.23	0.01	0.20	0.22	-0.14
+18	0.15	0.17	0.28	0.12	0.12	0.22	-0.01	0.19	0.21	-0.13
+19	0.13	0.15	0.28	0.10	0.12	0.20	-0.04	0.19	0.21	-0.11
+20	0.12	0.14	0.28	0.09	0.12	0.19	-0.07	0.18	0.21	-0.09

Signal Generator

Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Freq. (MHz)	Harmonics levels vs. Output Frequency (dBc)									
	F2					F3				
	-50 dBm	-40 dBm	-20 dBm	0 dBm	+20 dBm	-50 dBm	-40 dBm	-20 dBm	0 dBm	+20 dBm
8000	-39.07	-39.71	-52.56	-52.43	-61.86	-45.24	-32.24	-52.43	-78.79	-81.75
8100	-42.03	-43.61	-57.29	-58.12	-66.82	-44.72	-32.13	-49.60	-72.11	-84.08
8200	-44.42	-36.95	-53.21	-56.57	-63.65	-44.22	-34.62	-55.46	-71.56	-84.10
8300	-40.97	-37.68	-50.49	-54.26	-60.00	-43.81	-31.87	-54.30	-73.29	-81.58
8400	-51.28	-37.70	-52.77	-51.52	-58.61	-42.16	-32.69	-48.31	-73.26	-83.77
8500	-43.52	-37.00	-51.41	-51.96	-60.45	-45.95	-33.32	-52.85	-73.03	-86.33
8600	-44.45	-38.47	-53.08	-50.69	-62.90	-46.89	-33.49	-48.27	-69.18	-88.11
8700	-54.24	-38.95	-51.15	-50.21	-67.02	-44.74	-37.42	-54.16	-72.49	-87.81
8800	-44.21	-35.47	-50.43	-49.05	-69.28	-44.40	-27.67	-54.40	-72.40	-88.31
8900	-43.57	-36.73	-52.14	-49.13	-67.07	--	--	--	--	--
9000	-45.16	-38.05	-50.59	-48.80	-62.76	--	--	--	--	--
9100	-43.28	-37.77	-51.35	-48.84	-58.36	--	--	--	--	--
9200	-44.13	-36.90	-51.95	-48.16	-53.49	--	--	--	--	--
9300	-42.74	-34.64	-51.19	-49.11	-51.76	--	--	--	--	--
9400	-44.20	-40.18	-53.75	-49.58	-49.61	--	--	--	--	--
9500	-44.60	-36.04	-53.69	-51.64	-49.13	--	--	--	--	--
9600	-51.77	-38.92	-53.15	-55.13	-50.26	--	--	--	--	--
9700	-49.54	-38.53	-58.69	-55.33	-49.92	--	--	--	--	--
9800	-41.65	-37.76	-59.90	-52.71	-47.49	--	--	--	--	--
9900	-39.59	-38.85	-52.88	-51.10	-44.81	--	--	--	--	--
10000	-37.13	-36.86	-51.19	-51.42	-43.33	--	--	--	--	--
10100	-45.97	-39.73	-52.97	-51.40	-42.47	--	--	--	--	--
10200	-41.54	-36.79	-56.25	-53.73	-42.40	--	--	--	--	--
10300	-42.45	-41.11	-57.35	-57.31	-44.17	--	--	--	--	--
10400	-42.49	-34.59	-54.94	-61.72	-46.21	--	--	--	--	--
10500	-45.26	-35.56	-54.64	-69.45	-48.24	--	--	--	--	--
10600	-42.43	-37.81	-53.78	-67.45	-49.21	--	--	--	--	--
10700	-37.07	-37.04	-53.95	-66.68	-52.06	--	--	--	--	--
10800	-36.26	-37.96	-53.23	-67.81	-54.36	--	--	--	--	--
10900	-40.75	-38.34	-51.38	-64.50	-53.87	--	--	--	--	--
11000	-41.08	-37.25	-57.62	-63.46	-54.66	--	--	--	--	--
11100	-38.48	-35.46	-51.61	-66.17	-56.65	--	--	--	--	--
11200	-47.01	-38.42	-53.90	-65.62	-58.83	--	--	--	--	--
11300	-39.29	-34.82	-57.33	-65.45	-59.88	--	--	--	--	--
11400	-39.16	-35.28	-54.80	-69.31	-62.04	--	--	--	--	--
11500	-44.86	-33.61	-52.95	-73.23	-65.96	--	--	--	--	--
11600	-41.85	-36.40	-57.91	-75.32	-68.40	--	--	--	--	--
11700	-45.46	-34.57	-51.77	-73.85	-68.82	--	--	--	--	--
11800	-44.68	-36.59	-58.55	-74.87	-68.19	--	--	--	--	--
11900	-46.10	-33.16	-55.44	-76.65	-67.83	--	--	--	--	--
12000	-49.42	-35.79	-53.09	-74.87	-70.56	--	--	--	--	--
12100	-43.20	-31.80	-50.85	-70.82	-69.47	--	--	--	--	--
12200	-43.09	-34.96	-52.70	-71.43	-68.65	--	--	--	--	--
12300	-45.21	-34.79	-57.29	-72.37	-70.09	--	--	--	--	--
12400	-42.80	-31.20	-53.25	-75.12	-68.18	--	--	--	--	--
12500	-45.79	-31.88	-53.22	-71.48	-67.96	--	--	--	--	--

Signal Generator

SSG-8N12G-RC

Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Freq. (MHz)	Phase Noise vs. Output Frequency (dBc / Hz)				
	1 kHz	10 kHz	100 kHz	1 MHz	10 MHz
8000	-94.28	-105.11	-113.42	-120.78	-136.15
8100	-94.32	-104.95	-113.61	-119.59	-135.76
8200	-93.93	-105.01	-113.22	-120.69	-135.83
8300	-94.48	-104.86	-113.32	-119.97	-135.52
8400	-94.17	-104.61	-112.80	-118.88	-136.10
8500	-93.84	-104.51	-112.65	-121.80	-135.29
8600	-93.99	-104.35	-112.54	-121.41	-135.73
8700	-93.93	-104.19	-112.70	-121.43	-135.07
8800	-93.74	-104.27	-112.73	-121.24	-135.32
8900	-93.81	-104.28	-112.42	-120.50	-135.10
9000	-93.46	-104.02	-112.21	-119.65	-135.60
9100	-93.26	-103.74	-111.87	-120.41	-135.59
9200	-93.02	-103.80	-112.14	-119.63	-135.51
9300	-93.62	-104.05	-111.98	-119.70	-135.72
9400	-93.07	-103.52	-111.65	-119.05	-135.67
9500	-92.91	-103.67	-111.86	-118.02	-135.78
9600	-92.84	-103.36	-111.57	-118.26	-136.12
9700	-92.76	-103.34	-111.68	-117.82	-135.86
9800	-92.44	-103.24	-111.40	-119.82	-134.98
9900	-92.84	-103.08	-111.40	-118.39	-136.34
10000	-92.27	-103.17	-111.37	-119.01	-135.41
10100	-92.39	-103.00	-111.32	-117.43	-135.46
10200	-92.18	-103.12	-111.01	-118.64	-135.51
10300	-91.98	-102.89	-111.00	-118.56	-135.75
10400	-92.17	-102.93	-110.80	-117.00	-136.54
10500	-92.25	-102.52	-111.07	-118.14	-134.86
10600	-91.98	-102.65	-110.92	-117.04	-135.23
10700	-91.52	-102.66	-110.47	-119.19	-135.04
10800	-91.27	-102.53	-110.54	-117.29	-134.87
10900	-91.73	-102.04	-110.52	-118.55	-134.36
11000	-91.59	-102.19	-110.27	-118.32	-136.59
11100	-91.67	-102.21	-110.39	-115.83	-135.90
11200	-91.54	-102.11	-110.09	-117.20	-135.72
11300	-91.50	-102.07	-110.34	-116.23	-135.76
11400	-91.33	-102.11	-110.27	-115.52	-135.92
11500	-91.13	-101.78	-109.97	-115.60	-135.76
11600	-91.56	-101.93	-110.15	-114.42	-135.80
11700	-91.07	-101.79	-110.19	-114.80	-136.03
11800	-90.66	-101.74	-110.14	-115.29	-135.76
11900	-91.03	-101.66	-109.95	-112.58	-134.45
12000	-91.05	-101.42	-110.03	-112.42	-135.99
12100	-90.93	-101.58	-109.80	-112.38	-135.34
12200	-90.79	-101.31	-109.30	-114.09	-135.71
12300	-90.35	-101.37	-109.43	-112.65	-135.42
12400	-90.59	-101.31	-109.62	-111.65	-133.88
12500	-90.28	-101.23	-109.92	-111.71	-135.31

Freq. (MHz)	Power (dBM) Max
8000	23.89
8100	23.84
8200	23.83
8300	23.64
8400	23.50
8500	23.56
8600	23.48
8700	23.43
8800	23.51
8900	23.60
9000	23.68
9100	23.78
9200	23.84
9300	23.88
9400	24.04
9500	24.11
9600	24.06
9700	24.02
9800	24.09
9900	23.93
10000	23.68
10100	23.53
10200	23.40
10300	23.21
10400	23.15
10500	23.12
10600	22.98
10700	22.92
10800	22.89
10900	22.66
11000	22.64
11100	22.80
11200	22.72
11300	22.59
11400	22.83
11500	22.89
11600	23.00
11700	23.19
11800	23.28
11900	23.48
12000	23.56
12100	23.59
12200	23.69
12300	23.59
12400	23.62
12500	23.33

Signal Generator

SSG-8N12G-RC

Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Freq. Offsets (kHz)	Phase Noise vs. Offset Frequency (dBc / Hz)					
	8.0 GHz	9.0 GHz	10.0 GHz	11.0 GHz	12.0 GHz	12.5 GHz
1	-94.28	-93.46	-92.27	-91.59	-91.05	-90.28
10	-105.11	-104.02	-103.17	-102.19	-101.42	-101.23
100	-113.42	-112.21	-111.37	-110.27	-110.03	-109.92
1000	-120.78	-119.65	-119.01	-118.32	-112.42	-111.71
10000	-136.15	-135.60	-135.41	-136.59	-135.99	-135.31

Freq. (MHz)	Spurious (dBc)	
	Far	Near
8000	-72.30	-40.85
8100	-71.85	-41.12
8200	-71.61	-41.19
8300	-72.27	-41.06
8400	-71.78	-41.05
8500	-71.56	-41.47
8600	-71.81	-41.03
8700	-71.80	-40.68
8800	-72.59	-41.00
8900	-71.29	-40.84
9000	-70.31	-41.16
9100	-71.64	-41.16
9200	-71.48	-40.86
9300	-70.95	-41.13
9400	-71.36	-40.78
9500	-72.79	-40.82
9600	-72.37	-40.63
9700	-70.83	-40.02
9800	-71.60	-40.05
9900	-71.26	-40.30
10000	-73.19	-40.19
10100	-71.66	-39.91
10200	-72.22	-39.51
10300	-70.15	-39.11
10400	-71.24	-38.92
10500	-70.58	-39.10
10600	-71.34	-39.01
10700	-70.90	-39.04
10800	-71.81	-39.15
10900	-70.79	-39.00
11000	-71.44	-38.85
11100	-70.54	-38.98
11200	-71.96	-39.07
11300	-72.35	-39.24
11400	-69.75	-39.10
11500	-70.93	-39.59
11600	-72.05	-39.35
11700	-69.72	-39.73
11800	-70.14	-40.47
11900	-71.26	-40.80
12000	-70.47	-40.93
12100	-70.51	-41.16
12200	-71.95	-41.42
12300	-70.93	-41.82
12400	-72.18	-42.11
12500	-70.20	-42.55

Note: Spurious was measured in offsets of 1 MHz to 150 MHz (Far) and 1 kHz to 1 MHz (Near).

Signal Generator

Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Freq. (MHz)	Power deviation from nominal vs. Output Frequency (dB)									
	-50 dBm	-45 dBm	-40 dBm	-30 dBm	-20 dBm	-10 dBm	0 dBm	+10 dBm	+15 dBm	+20 dBm
8000	0.17	0.26	0.22	0.21	0.36	0.27	0.29	0.57	0.61	0.47
8100	0.22	0.26	0.25	0.19	0.28	0.24	0.26	0.44	0.56	0.39
8200	0.15	0.16	0.18	0.14	0.23	0.30	0.33	0.58	0.59	0.47
8300	0.29	0.21	0.28	0.15	0.34	0.25	0.24	0.48	0.46	0.42
8400	0.18	0.19	0.25	0.25	0.39	0.34	0.32	0.54	0.53	0.45
8500	0.24	0.33	0.36	0.21	0.36	0.26	0.25	0.51	0.50	0.45
8600	0.12	0.16	0.24	0.29	0.46	0.32	0.35	0.59	0.64	0.56
8700	0.35	0.38	0.39	0.20	0.27	0.27	0.21	0.43	0.51	0.39
8800	0.20	0.19	0.23	0.20	0.45	0.40	0.39	0.55	0.63	0.52
8900	0.34	0.41	0.32	0.11	0.27	0.21	0.25	0.45	0.55	0.40
9000	0.08	0.12	0.14	0.14	0.44	0.37	0.32	0.53	0.63	0.48
9100	0.22	0.15	0.23	0.15	0.29	0.28	0.25	0.49	0.57	0.44
9200	0.07	0.11	0.08	0.16	0.43	0.33	0.35	0.53	0.65	0.49
9300	0.15	0.19	0.23	0.15	0.24	0.23	0.24	0.38	0.48	0.35
9400	0.09	0.08	0.17	0.13	0.37	0.32	0.31	0.61	0.69	0.52
9500	0.27	0.24	0.28	0.18	0.33	0.27	0.22	0.55	0.60	0.43
9600	0.14	0.08	0.12	0.14	0.32	0.35	0.29	0.56	0.55	0.43
9700	0.15	0.25	0.26	0.18	0.37	0.24	0.27	0.48	0.55	0.38
9800	0.07	0.06	0.13	0.05	0.23	0.27	0.28	0.54	0.68	0.52
9900	0.18	0.21	0.22	0.23	0.37	0.27	0.23	0.57	0.63	0.43
10000	0.19	0.16	0.21	0.10	0.21	0.28	0.27	0.52	0.54	0.43
10100	0.18	0.18	0.21	0.24	0.44	0.23	0.28	0.53	0.60	0.47
10200	0.15	0.10	0.20	0.03	0.25	0.28	0.25	0.54	0.59	0.41
10300	0.06	0.12	0.15	0.23	0.49	0.32	0.35	0.63	0.65	0.52
10400	0.25	0.27	0.33	0.11	0.40	0.23	0.26	0.48	0.54	0.41
10500	0.06	0.27	0.20	0.23	0.40	0.39	0.31	0.61	0.62	0.55
10600	0.36	0.29	0.36	0.25	0.31	0.14	0.19	0.47	0.52	0.42
10700	0.11	0.19	0.19	0.18	0.26	0.19	0.21	0.44	0.53	0.44
10800	0.47	0.40	0.35	0.27	0.32	0.16	0.16	0.46	0.47	0.41
10900	0.17	0.23	0.22	0.24	0.36	0.31	0.40	0.52	0.56	0.47
11000	0.58	0.34	0.37	0.33	0.28	0.22	0.22	0.41	0.39	0.31
11100	0.01	0.11	0.11	0.14	0.35	0.38	0.40	0.70	0.71	0.65
11200	0.27	0.40	0.44	0.33	0.36	0.13	0.18	0.47	0.51	0.43
11300	0.18	0.22	0.17	0.13	0.28	0.36	0.37	0.65	0.53	0.45
11400	0.37	0.35	0.36	0.30	0.31	0.10	0.08	0.42	0.45	0.48
11500	-0.06	-0.01	0.11	0.07	0.36	0.29	0.36	0.59	0.52	0.57
11600	-0.02	0.01	0.08	0.04	0.18	0.20	0.16	0.46	0.39	0.36
11700	0.05	0.01	0.18	0.12	0.28	0.20	0.17	0.48	0.47	0.45
11800	0.15	0.23	0.27	0.17	0.28	0.24	0.27	0.49	0.45	0.45
11900	0.29	0.25	0.32	0.26	0.40	0.31	0.30	0.63	0.55	0.52
12000	0.54	0.31	0.31	0.17	0.29	0.26	0.31	0.58	0.46	0.48
12100	0.24	0.24	0.31	0.19	0.34	0.24	0.24	0.46	0.38	0.45
12200	0.27	0.20	0.19	0.14	0.23	0.27	0.30	0.55	0.46	0.48
12300	0.26	0.21	0.29	0.26	0.37	0.22	0.27	0.50	0.41	0.42
12400	0.20	0.12	0.20	0.12	0.29	0.38	0.39	0.70	0.58	0.60
12500	-0.08	0.08	0.06	0.09	0.20	0.04	0.06	0.34	0.21	0.24

Signal Generator

Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Power (dBm)	Power deviation from nominal vs. Output Power (dB)									
	8.0 GHz	8.5 GHz	9.0 GHz	9.5 GHz	10.0 GHz	10.5 GHz	11.0 GHz	11.5 GHz	12.0 GHz	12.5 GHz
-50	0.17	0.24	0.08	0.27	0.19	0.06	0.58	-0.06	0.54	-0.08
-49	0.19	0.26	0.09	0.26	0.19	0.11	0.53	-0.05	0.49	-0.05
-48	0.21	0.28	0.10	0.26	0.18	0.15	0.48	-0.04	0.45	-0.02
-47	0.22	0.29	0.10	0.25	0.17	0.19	0.44	-0.03	0.40	0.01
-46	0.24	0.31	0.11	0.25	0.17	0.23	0.39	-0.02	0.36	0.04
-45	0.26	0.33	0.12	0.24	0.16	0.27	0.34	-0.01	0.31	0.08
-44	0.25	0.33	0.12	0.25	0.17	0.25	0.34	0.02	0.31	0.07
-43	0.24	0.34	0.13	0.26	0.18	0.24	0.35	0.04	0.31	0.07
-42	0.24	0.34	0.13	0.26	0.19	0.23	0.36	0.07	0.31	0.07
-41	0.23	0.35	0.13	0.27	0.20	0.21	0.36	0.09	0.31	0.07
-40	0.22	0.36	0.14	0.28	0.21	0.20	0.37	0.11	0.31	0.06
-38	0.24	0.37	0.15	0.29	0.21	0.21	0.39	0.10	0.27	0.06
-36	0.25	0.38	0.16	0.31	0.22	0.23	0.41	0.08	0.24	0.06
-34	0.25	0.35	0.16	0.29	0.20	0.23	0.40	0.08	0.22	0.06
-32	0.23	0.28	0.15	0.24	0.15	0.23	0.37	0.07	0.19	0.08
-30	0.21	0.21	0.14	0.18	0.10	0.23	0.33	0.07	0.17	0.09
-28	0.25	0.24	0.17	0.20	0.11	0.25	0.35	0.09	0.18	0.09
-26	0.29	0.26	0.20	0.22	0.11	0.28	0.37	0.11	0.19	0.08
-24	0.32	0.29	0.26	0.25	0.13	0.31	0.36	0.16	0.21	0.11
-22	0.34	0.33	0.35	0.29	0.17	0.36	0.32	0.26	0.25	0.15
-20	0.36	0.36	0.44	0.33	0.21	0.40	0.28	0.36	0.29	0.20
-18	0.36	0.31	0.40	0.32	0.20	0.39	0.29	0.32	0.27	0.15
-16	0.36	0.25	0.36	0.31	0.18	0.39	0.31	0.28	0.24	0.11
-14	0.34	0.23	0.35	0.30	0.19	0.38	0.29	0.27	0.24	0.08
-12	0.30	0.25	0.36	0.29	0.24	0.39	0.25	0.28	0.25	0.06
-10	0.27	0.26	0.37	0.27	0.28	0.39	0.22	0.29	0.26	0.04
-8	0.30	0.27	0.38	0.28	0.27	0.38	0.22	0.30	0.27	0.04
-6	0.33	0.27	0.39	0.28	0.27	0.36	0.22	0.31	0.27	0.03
-4	0.34	0.27	0.38	0.27	0.27	0.35	0.22	0.32	0.28	0.04
-2	0.31	0.26	0.35	0.25	0.27	0.33	0.22	0.34	0.30	0.05
0	0.29	0.25	0.32	0.22	0.27	0.31	0.22	0.36	0.31	0.06
+2	0.36	0.34	0.41	0.33	0.33	0.44	0.28	0.42	0.40	0.14
+4	0.44	0.42	0.50	0.44	0.40	0.56	0.35	0.49	0.50	0.22
+6	0.50	0.47	0.55	0.50	0.45	0.62	0.38	0.53	0.55	0.28
+8	0.53	0.49	0.54	0.52	0.49	0.61	0.40	0.56	0.56	0.31
+10	0.57	0.51	0.53	0.55	0.52	0.61	0.41	0.59	0.58	0.34
+11	0.58	0.50	0.55	0.56	0.53	0.61	0.41	0.58	0.55	0.32
+12	0.59	0.50	0.57	0.57	0.53	0.61	0.40	0.56	0.53	0.29
+13	0.60	0.50	0.59	0.58	0.53	0.61	0.40	0.55	0.50	0.26
+14	0.60	0.50	0.61	0.59	0.54	0.62	0.39	0.54	0.48	0.24
+15	0.61	0.50	0.63	0.60	0.54	0.62	0.39	0.52	0.46	0.21
+16	0.58	0.49	0.60	0.56	0.52	0.60	0.37	0.53	0.46	0.22
+17	0.56	0.48	0.57	0.53	0.50	0.59	0.36	0.54	0.47	0.22
+18	0.53	0.47	0.54	0.50	0.47	0.57	0.34	0.55	0.47	0.23
+19	0.50	0.46	0.51	0.46	0.45	0.56	0.32	0.56	0.48	0.23
+20	0.47	0.45	0.48	0.43	0.43	0.55	0.31	0.57	0.48	0.24

Signal Generator

Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Freq. (MHz)	Harmonics levels vs. Output Frequency (dBc)									
	F2					F3				
	-50 dBm	-40 dBm	-20 dBm	0 dBm	+20 dBm	-50 dBm	-40 dBm	-20 dBm	0 dBm	+20 dBm
8000	-43.83	-40.10	-55.85	-54.58	-63.03	-46.50	-36.90	-56.94	-71.78	-80.73
8100	-50.61	-38.57	-54.62	-59.05	-66.31	-46.94	-32.25	-51.32	-73.98	-82.73
8200	-46.57	-39.81	-51.46	-56.32	-63.00	-45.53	-36.01	-56.20	-75.43	-83.02
8300	-42.71	-40.21	-51.60	-53.86	-60.60	-44.29	-32.03	-50.43	-75.50	-83.33
8400	-49.55	-36.33	-54.26	-52.37	-60.22	-45.46	-31.27	-50.86	-74.92	-82.47
8500	-42.56	-36.88	-52.16	-52.48	-61.61	-44.55	-29.54	-48.85	-71.32	-82.84
8600	-44.32	-35.62	-51.67	-51.39	-63.02	-44.16	-30.28	-51.18	-71.32	-87.77
8700	-52.22	-38.48	-53.53	-50.87	-65.99	-45.62	-30.66	-54.07	-71.81	-90.66
8800	-41.15	-36.55	-50.81	-50.08	-65.47	-43.19	-32.52	-52.92	-70.80	-89.69
8900	-44.92	-40.19	-51.71	-50.58	-63.57	--	--	--	--	--
9000	-44.27	-35.29	-50.83	-49.84	-61.70	--	--	--	--	--
9100	-42.42	-37.55	-48.86	-49.97	-57.96	--	--	--	--	--
9200	-44.76	-35.08	-50.08	-49.66	-54.59	--	--	--	--	--
9300	-44.94	-36.48	-49.07	-50.50	-52.22	--	--	--	--	--
9400	-47.66	-41.78	-49.62	-51.41	-50.87	--	--	--	--	--
9500	-48.18	-37.41	-51.75	-53.38	-50.00	--	--	--	--	--
9600	-49.64	-39.78	-52.73	-56.05	-50.78	--	--	--	--	--
9700	-49.59	-37.30	-52.63	-55.88	-50.27	--	--	--	--	--
9800	-41.68	-38.74	-54.11	-54.44	-48.09	--	--	--	--	--
9900	-39.93	-36.57	-56.83	-52.44	-45.47	--	--	--	--	--
10000	-41.03	-35.07	-51.70	-53.06	-44.40	--	--	--	--	--
10100	-42.89	-34.12	-55.62	-53.25	-43.69	--	--	--	--	--
10200	-43.39	-40.26	-55.75	-55.43	-44.04	--	--	--	--	--
10300	-48.21	-32.11	-60.00	-59.08	-44.67	--	--	--	--	--
10400	-44.39	-36.95	-54.15	-62.31	-47.21	--	--	--	--	--
10500	-44.58	-37.22	-54.94	-65.82	-49.30	--	--	--	--	--
10600	-47.25	-37.00	-51.33	-66.87	-50.31	--	--	--	--	--
10700	-39.15	-36.14	-56.33	-67.34	-52.70	--	--	--	--	--
10800	-36.68	-32.66	-54.90	-67.34	-55.27	--	--	--	--	--
10900	-40.83	-34.24	-56.89	-63.66	-55.19	--	--	--	--	--
11000	-41.69	-34.37	-53.21	-66.24	-56.03	--	--	--	--	--
11100	-41.55	-39.30	-54.82	-65.31	-57.79	--	--	--	--	--
11200	-45.44	-35.86	-54.47	-65.10	-59.10	--	--	--	--	--
11300	-41.08	-35.17	-56.68	-68.12	-61.34	--	--	--	--	--
11400	-43.12	-37.12	-56.68	-69.49	-63.97	--	--	--	--	--
11500	-45.73	-35.51	-52.97	-71.81	-67.72	--	--	--	--	--
11600	-44.54	-37.25	-53.36	-74.54	-69.37	--	--	--	--	--
11700	-44.82	-38.00	-54.02	-73.97	-69.57	--	--	--	--	--
11800	-45.83	-37.78	-54.16	-74.83	-68.23	--	--	--	--	--
11900	-43.43	-35.94	-55.55	-74.59	-68.74	--	--	--	--	--
12000	-49.02	-33.21	-52.41	-70.31	-71.03	--	--	--	--	--
12100	-44.05	-31.39	-49.87	-72.79	-69.53	--	--	--	--	--
12200	-45.01	-33.96	-56.18	-73.16	-68.81	--	--	--	--	--
12300	-46.07	-35.65	-54.24	-73.65	-69.99	--	--	--	--	--
12400	-44.14	-33.21	-52.24	-71.50	-68.24	--	--	--	--	--
12500	-44.90	-32.24	-50.26	-70.38	-67.82	--	--	--	--	--

Signal Generator

SSG-8N12G-RC

Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Freq. (MHz)	Phase Noise vs. Output Frequency (dBc / Hz)				
	1 kHz	10 kHz	100 kHz	1 MHz	10 MHz
8000	-94.61	-105.22	-113.29	-119.76	-136.15
8100	-94.31	-104.79	-112.94	-119.73	-136.60
8200	-94.23	-104.91	-113.04	-119.66	-136.74
8300	-93.90	-104.77	-112.70	-119.56	-136.84
8400	-94.28	-104.71	-113.01	-118.94	-136.21
8500	-93.98	-104.72	-112.63	-122.45	-136.39
8600	-93.38	-104.45	-112.58	-120.45	-136.26
8700	-93.43	-104.05	-112.09	-118.85	-135.98
8800	-93.49	-104.33	-112.09	-120.14	-136.36
8900	-93.37	-104.21	-111.86	-121.30	-136.22
9000	-92.96	-103.96	-111.81	-119.67	-136.35
9100	-93.09	-104.14	-111.71	-119.56	-136.42
9200	-93.37	-103.91	-111.80	-119.10	-136.44
9300	-93.28	-103.91	-111.67	-119.17	-136.23
9400	-92.98	-103.54	-111.58	-117.80	-136.45
9500	-92.78	-103.62	-111.53	-117.44	-136.74
9600	-92.88	-103.59	-111.45	-117.90	-135.80
9700	-92.76	-103.49	-111.38	-117.93	-136.22
9800	-92.54	-103.42	-111.33	-117.81	-135.94
9900	-92.56	-103.17	-111.17	-119.87	-136.24
10000	-92.53	-103.41	-111.03	-118.53	-136.37
10100	-92.33	-103.28	-111.03	-118.05	-136.25
10200	-92.04	-103.02	-110.65	-118.24	-135.87
10300	-92.16	-102.69	-111.00	-119.35	-136.24
10400	-91.72	-103.04	-110.73	-118.16	-135.96
10500	-91.95	-102.69	-110.61	-118.31	-136.01
10600	-92.32	-102.59	-110.79	-116.22	-135.35
10700	-91.82	-102.37	-110.28	-117.89	-136.00
10800	-92.10	-102.18	-110.44	-119.03	-135.54
10900	-91.33	-102.45	-110.12	-117.58	-135.87
11000	-91.24	-102.61	-109.80	-115.87	-136.01
11100	-91.37	-102.37	-109.99	-118.62	-136.34
11200	-91.06	-101.99	-110.16	-116.39	-135.75
11300	-91.17	-102.12	-109.95	-115.98	-135.59
11400	-90.70	-102.07	-109.73	-115.71	-135.77
11500	-90.99	-101.71	-109.67	-115.91	-135.45
11600	-91.41	-101.91	-110.21	-116.48	-135.42
11700	-90.84	-101.95	-109.67	-115.40	-135.35
11800	-90.82	-101.81	-109.82	-115.16	-135.67
11900	-90.77	-101.69	-109.91	-113.37	-135.73
12000	-91.07	-101.34	-109.13	-113.55	-135.50
12100	-90.52	-101.36	-109.32	-112.46	-135.89
12200	-90.81	-101.45	-109.77	-112.15	-135.08
12300	-90.82	-101.41	-109.64	-111.90	-135.12
12400	-90.72	-101.54	-109.68	-112.72	-135.06
12500	-90.49	-101.28	-109.22	-111.73	-134.98

Freq. (MHz)	Power (dBM) Max
8000	23.74
8100	23.71
8200	23.67
8300	23.51
8400	23.42
8500	23.39
8600	23.37
8700	23.32
8800	23.42
8900	23.50
9000	23.56
9100	23.67
9200	23.73
9300	23.71
9400	23.86
9500	23.90
9600	23.83
9700	23.80
9800	23.87
9900	23.69
10000	23.48
10100	23.33
10200	23.16
10300	23.02
10400	22.93
10500	22.91
10600	22.84
10700	22.71
10800	22.65
10900	22.52
11000	22.41
11100	22.52
11200	22.49
11300	22.38
11400	22.51
11500	22.64
11600	22.75
11700	22.90
11800	23.03
11900	23.21
12000	23.23
12100	23.33
12200	23.42
12300	23.35
12400	23.34
12500	23.06

Signal Generator SSG-8N12G-RC

Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Freq. Offsets (kHz)	Phase Noise vs. Offset Frequency (dBc / Hz)					
	8.0 GHz	9.0 GHz	10.0 GHz	11.0 GHz	12.0 GHz	12.5 GHz
1	-94.61	-92.96	-92.53	-91.24	-91.07	-90.49
10	-105.22	-103.96	-103.41	-102.61	-101.34	-101.28
100	-113.29	-111.81	-111.03	-109.80	-109.13	-109.22
1000	-119.76	-119.67	-118.53	-115.87	-113.55	-111.73
10000	-136.15	-136.35	-136.37	-136.01	-135.50	-134.98

Freq. (MHz)	Spurious (dBc)	
	Far	Near
8000	-71.09	-41.03
8100	-71.12	-41.28
8200	-71.60	-41.32
8300	-72.28	-41.41
8400	-72.35	-41.41
8500	-71.31	-41.47
8600	-71.70	-41.48
8700	-70.75	-41.25
8800	-72.29	-41.03
8900	-71.19	-41.26
9000	-72.60	-41.10
9100	-71.65	-41.38
9200	-71.67	-41.48
9300	-71.70	-41.53
9400	-72.13	-40.91
9500	-71.76	-40.89
9600	-70.20	-41.20
9700	-71.09	-40.26
9800	-71.98	-40.42
9900	-71.81	-40.41
10000	-72.58	-40.29
10100	-71.22	-40.14
10200	-72.79	-39.96
10300	-71.10	-39.48
10400	-70.91	-39.02
10500	-71.56	-39.31
10600	-71.03	-39.26
10700	-70.86	-39.28
10800	-70.41	-39.34
10900	-71.41	-39.03
11000	-70.20	-39.07
11100	-71.54	-39.02
11200	-71.23	-39.24
11300	-71.57	-39.23
11400	-70.71	-39.26
11500	-71.90	-39.46
11600	-70.45	-39.73
11700	-70.37	-40.01
11800	-71.28	-40.65
11900	-71.66	-40.90
12000	-70.25	-40.86
12100	-70.12	-41.21
12200	-69.20	-41.66
12300	-69.97	-42.11
12400	-70.03	-42.13
12500	-70.88	-42.62

Note: Spurious was measured in offsets of 1 MHz to 150 MHz (Far) and 1 kHz to 1 MHz (Near).

Signal Generator

SSG-8N12G-RC

Typical Performance Data

Test Conditions: @ Temperature = 50°C.

Freq. (MHz)	Power deviation from nominal vs. Output Frequency (dB)									
	-50 dBm	-45 dBm	-40 dBm	-30 dBm	-20 dBm	-10 dBm	0 dBm	+10 dBm	+15 dBm	+20 dBm
8000	0.12	0.09	0.06	0.21	0.18	0.28	0.25	0.53	0.58	0.55
8100	0.13	0.10	0.15	0.24	0.17	0.21	0.34	0.53	0.58	0.54
8200	-0.04	0.05	-0.02	0.15	0.17	0.20	0.28	0.47	0.55	0.50
8300	0.19	0.11	0.19	0.19	0.02	0.20	0.27	0.42	0.51	0.41
8400	0.18	0.20	0.19	0.32	0.14	0.27	0.34	0.54	0.49	0.52
8500	0.49	0.43	0.35	0.29	0.01	0.09	0.21	0.45	0.51	0.48
8600	-0.01	0.03	0.07	0.33	0.13	0.23	0.34	0.56	0.52	0.57
8700	-0.01	0.13	0.19	0.23	0.01	0.25	0.30	0.48	0.45	0.52
8800	-0.02	0.02	0.10	0.22	0.15	0.29	0.36	0.58	0.50	0.59
8900	0.16	0.28	0.13	0.07	0.00	0.11	0.17	0.40	0.38	0.41
9000	-0.10	-0.04	-0.04	0.13	0.15	0.14	0.21	0.42	0.43	0.43
9100	0.15	0.06	0.11	0.10	-0.01	0.03	0.11	0.37	0.33	0.36
9200	0.08	0.02	-0.06	0.07	0.15	0.23	0.35	0.52	0.53	0.52
9300	0.34	0.15	0.12	0.07	0.05	0.07	0.15	0.35	0.37	0.38
9400	-0.01	-0.03	0.02	0.11	0.10	0.17	0.32	0.55	0.57	0.55
9500	0.01	-0.03	0.07	0.12	0.04	0.21	0.24	0.48	0.50	0.46
9600	0.04	-0.03	-0.10	0.04	0.02	0.17	0.21	0.40	0.43	0.43
9700	0.13	0.08	0.15	0.18	0.18	0.14	0.20	0.38	0.40	0.37
9800	0.10	-0.02	0.04	0.05	0.08	0.30	0.24	0.52	0.63	0.55
9900	0.05	0.06	0.05	0.19	0.18	0.24	0.28	0.49	0.59	0.46
10000	0.13	-0.03	-0.01	-0.01	0.00	0.18	0.23	0.43	0.45	0.29
10100	0.13	0.12	0.05	0.15	0.17	0.18	0.31	0.47	0.56	0.38
10200	0.10	-0.04	0.07	-0.02	0.00	0.13	0.25	0.42	0.47	0.42
10300	-0.08	-0.11	-0.02	0.09	0.17	0.23	0.34	0.52	0.59	0.46
10400	0.09	0.00	0.15	0.08	0.04	0.17	0.20	0.34	0.42	0.31
10500	-0.25	-0.08	-0.04	0.10	0.16	0.24	0.30	0.44	0.59	0.45
10600	0.07	0.13	0.15	0.20	0.00	0.04	0.15	0.34	0.40	0.32
10700	-0.16	-0.10	-0.10	0.09	-0.03	0.08	0.19	0.26	0.34	0.30
10800	0.00	0.11	0.13	0.22	0.03	0.07	0.08	0.29	0.36	0.29
10900	-0.23	0.11	0.03	0.22	0.17	0.28	0.43	0.43	0.49	0.40
11000	0.43	0.28	0.31	0.31	0.18	0.10	0.16	0.30	0.36	0.25
11100	-0.07	-0.05	-0.13	0.09	0.10	0.40	0.39	0.57	0.69	0.54
11200	0.00	0.18	0.20	0.23	0.06	0.03	0.17	0.41	0.50	0.41
11300	-0.08	0.02	0.01	0.09	0.03	0.20	0.33	0.44	0.51	0.43
11400	0.38	0.47	0.41	0.37	0.09	0.04	0.20	0.37	0.46	0.45
11500	0.40	0.28	0.20	0.14	0.25	0.34	0.37	0.57	0.63	0.60
11600	0.34	0.14	-0.04	0.01	0.03	0.14	0.16	0.34	0.43	0.45
11700	0.08	-0.25	-0.13	0.05	0.09	0.16	0.21	0.36	0.46	0.51
11800	-0.27	-0.09	-0.02	0.13	-0.04	0.13	0.28	0.36	0.44	0.40
11900	-1.21	-0.53	-0.16	0.09	0.07	0.11	0.15	0.46	0.47	0.46
12000	-0.52	-0.18	-0.08	0.13	0.00	0.25	0.35	0.52	0.52	0.54
12100	0.20	0.26	0.26	0.34	0.20	0.22	0.27	0.48	0.52	0.51
12200	0.31	0.21	0.17	0.23	0.05	0.19	0.30	0.46	0.58	0.53
12300	0.17	0.22	0.14	0.25	0.13	0.12	0.23	0.42	0.50	0.45
12400	0.03	0.01	0.01	0.02	0.04	0.21	0.35	0.55	0.60	0.51
12500	-0.10	-0.06	-0.15	-0.07	-0.11	-0.07	-0.01	0.19	0.24	0.16

Signal Generator

Typical Performance Data

Test Conditions: @ Temperature = 50°C.

Power (dBm)	Power deviation from nominal vs. Output Power (dB)									
	8.0 GHz	8.5 GHz	9.0 GHz	9.5 GHz	10.0 GHz	10.5 GHz	11.0 GHz	11.5 GHz	12.0 GHz	12.5 GHz
-50	0.12	0.49	-0.10	0.01	0.13	-0.25	0.43	0.40	-0.52	-0.10
-49	0.11	0.48	-0.09	0.00	0.10	-0.21	0.40	0.37	-0.45	-0.09
-48	0.11	0.47	-0.08	-0.01	0.07	-0.18	0.37	0.35	-0.38	-0.08
-47	0.10	0.45	-0.06	-0.02	0.03	-0.14	0.34	0.33	-0.31	-0.08
-46	0.09	0.44	-0.05	-0.02	0.00	-0.11	0.31	0.31	-0.25	-0.07
-45	0.09	0.43	-0.04	-0.03	-0.03	-0.08	0.28	0.28	-0.18	-0.06
-44	0.08	0.42	-0.04	-0.01	-0.03	-0.07	0.29	0.27	-0.16	-0.08
-43	0.08	0.40	-0.04	0.01	-0.02	-0.06	0.29	0.25	-0.14	-0.09
-42	0.07	0.39	-0.04	0.03	-0.02	-0.05	0.30	0.23	-0.12	-0.11
-41	0.07	0.37	-0.04	0.05	-0.02	-0.05	0.30	0.21	-0.10	-0.13
-40	0.06	0.35	-0.04	0.07	-0.01	-0.04	0.31	0.20	-0.08	-0.15
-38	0.07	0.34	-0.01	0.11	0.03	-0.02	0.30	0.17	-0.02	-0.13
-36	0.08	0.33	0.02	0.16	0.07	0.01	0.30	0.15	0.05	-0.12
-34	0.11	0.32	0.06	0.17	0.08	0.04	0.30	0.14	0.09	-0.10
-32	0.16	0.30	0.09	0.14	0.03	0.07	0.30	0.14	0.11	-0.09
-30	0.21	0.29	0.13	0.12	-0.01	0.10	0.31	0.14	0.13	-0.07
-28	0.19	0.24	0.10	0.08	-0.03	0.10	0.26	0.22	0.09	-0.07
-26	0.17	0.19	0.07	0.05	-0.04	0.09	0.22	0.30	0.06	-0.06
-24	0.17	0.14	0.08	0.03	-0.04	0.10	0.20	0.33	0.04	-0.07
-22	0.17	0.07	0.11	0.04	-0.02	0.13	0.19	0.29	0.02	-0.09
-20	0.18	0.01	0.15	0.04	0.00	0.16	0.18	0.25	0.00	-0.11
-18	0.16	0.02	0.12	0.04	-0.01	0.16	0.18	0.25	0.04	-0.13
-16	0.15	0.02	0.09	0.04	-0.02	0.16	0.18	0.25	0.07	-0.14
-14	0.17	0.04	0.09	0.07	0.01	0.18	0.17	0.27	0.12	-0.13
-12	0.22	0.07	0.12	0.14	0.10	0.21	0.14	0.30	0.18	-0.10
-10	0.28	0.09	0.14	0.21	0.18	0.24	0.10	0.34	0.25	-0.07
-8	0.28	0.13	0.15	0.19	0.19	0.26	0.11	0.35	0.28	-0.08
-6	0.29	0.17	0.16	0.16	0.20	0.28	0.12	0.37	0.32	-0.08
-4	0.28	0.19	0.18	0.17	0.21	0.29	0.14	0.37	0.34	-0.07
-2	0.26	0.20	0.19	0.21	0.22	0.30	0.15	0.37	0.34	-0.04
0	0.25	0.21	0.21	0.24	0.23	0.30	0.16	0.37	0.35	-0.01
+2	0.34	0.28	0.29	0.32	0.30	0.38	0.23	0.45	0.40	0.08
+4	0.43	0.36	0.37	0.39	0.37	0.45	0.30	0.53	0.44	0.18
+6	0.49	0.41	0.41	0.44	0.41	0.48	0.33	0.58	0.48	0.22
+8	0.51	0.43	0.41	0.46	0.42	0.46	0.32	0.57	0.50	0.20
+10	0.53	0.45	0.42	0.48	0.43	0.44	0.30	0.57	0.52	0.19
+11	0.54	0.46	0.42	0.48	0.43	0.47	0.31	0.58	0.52	0.20
+12	0.55	0.47	0.42	0.49	0.44	0.50	0.32	0.59	0.52	0.21
+13	0.56	0.49	0.42	0.49	0.44	0.53	0.33	0.60	0.52	0.22
+14	0.57	0.50	0.43	0.50	0.45	0.56	0.35	0.61	0.52	0.23
+15	0.58	0.51	0.43	0.50	0.45	0.59	0.36	0.63	0.52	0.24
+16	0.57	0.50	0.43	0.49	0.42	0.56	0.33	0.62	0.53	0.22
+17	0.57	0.50	0.43	0.48	0.39	0.53	0.31	0.62	0.53	0.21
+18	0.56	0.49	0.43	0.47	0.36	0.50	0.29	0.61	0.53	0.19
+19	0.56	0.49	0.43	0.47	0.33	0.48	0.27	0.61	0.54	0.17
+20	0.55	0.48	0.43	0.46	0.29	0.45	0.25	0.60	0.54	0.16

Signal Generator

Typical Performance Data

Test Conditions: @ Temperature = 50°C.

Freq. (MHz)	Harmonics levels vs. Output Frequency (dBc)									
	F2					F3				
	-50 dBm	-40 dBm	-20 dBm	0 dBm	+20 dBm	-50 dBm	-40 dBm	-20 dBm	0 dBm	+20 dBm
8000	-46.85	-39.06	-55.37	-56.56	-64.16	-48.50	-35.52	-55.04	-71.14	-81.67
8100	-53.49	-38.75	-57.54	-59.41	-66.19	-45.71	-36.91	-51.36	-73.25	-81.76
8200	-47.64	-37.99	-52.94	-57.37	-63.07	-45.19	-35.87	-54.11	-70.64	-82.91
8300	-44.80	-38.68	-53.13	-54.32	-61.53	-45.01	-35.13	-50.09	-70.09	-81.42
8400	-51.48	-38.50	-54.17	-53.43	-61.05	-45.48	-32.83	-53.60	-70.18	-84.20
8500	-44.62	-39.74	-51.04	-53.06	-62.16	-44.68	-31.07	-49.31	-71.46	-86.50
8600	-49.68	-40.15	-51.50	-52.12	-62.85	-47.63	-30.09	-52.21	-71.65	-87.40
8700	-53.55	-41.75	-51.75	-51.70	-64.27	-45.52	-32.30	-52.88	-72.79	-90.37
8800	-44.14	-38.70	-52.95	-51.51	-63.71	-42.33	-31.87	-48.30	-69.91	-86.85
8900	-45.43	-38.56	-49.32	-51.70	-62.37	--	--	--	--	--
9000	-44.20	-39.01	-50.20	-51.20	-61.20	--	--	--	--	--
9100	-44.44	-38.27	-50.32	-51.27	-58.48	--	--	--	--	--
9200	-45.86	-38.27	-49.08	-50.99	-54.88	--	--	--	--	--
9300	-46.11	-37.82	-51.01	-51.74	-53.25	--	--	--	--	--
9400	-47.82	-39.12	-53.89	-53.28	-51.90	--	--	--	--	--
9500	-46.76	-36.50	-52.94	-54.48	-51.12	--	--	--	--	--
9600	-48.99	-39.13	-52.66	-57.27	-51.68	--	--	--	--	--
9700	-44.27	-38.49	-54.24	-56.55	-51.03	--	--	--	--	--
9800	-42.32	-34.63	-55.49	-55.15	-48.76	--	--	--	--	--
9900	-41.39	-40.28	-53.12	-53.67	-46.52	--	--	--	--	--
10000	-42.08	-36.64	-53.18	-54.28	-45.51	--	--	--	--	--
10100	-45.74	-38.88	-52.61	-54.82	-45.01	--	--	--	--	--
10200	-47.87	-37.56	-56.69	-57.90	-45.39	--	--	--	--	--
10300	-49.69	-36.23	-57.60	-59.85	-45.86	--	--	--	--	--
10400	-46.90	-33.34	-55.32	-63.21	-48.17	--	--	--	--	--
10500	-46.34	-37.10	-57.91	-65.71	-50.32	--	--	--	--	--
10600	-45.25	-36.63	-50.83	-67.73	-51.36	--	--	--	--	--
10700	-39.54	-35.19	-56.17	-65.13	-53.24	--	--	--	--	--
10800	-38.83	-33.40	-55.12	-66.07	-55.94	--	--	--	--	--
10900	-42.93	-34.53	-54.07	-66.22	-56.24	--	--	--	--	--
11000	-45.69	-35.62	-54.50	-65.88	-57.07	--	--	--	--	--
11100	-41.68	-35.50	-57.69	-66.52	-58.60	--	--	--	--	--
11200	-45.34	-36.17	-55.36	-65.38	-59.53	--	--	--	--	--
11300	-44.63	-38.68	-53.23	-68.27	-62.95	--	--	--	--	--
11400	-47.52	-33.84	-55.39	-70.71	-65.94	--	--	--	--	--
11500	-48.40	-36.49	-55.87	-73.93	-68.94	--	--	--	--	--
11600	-46.18	-38.74	-55.79	-77.54	-70.09	--	--	--	--	--
11700	-43.97	-36.69	-53.16	-72.82	-69.32	--	--	--	--	--
11800	-49.64	-32.96	-54.68	-72.76	-68.56	--	--	--	--	--
11900	-44.95	-36.86	-53.92	-77.55	-68.57	--	--	--	--	--
12000	-46.91	-33.90	-49.64	-73.51	-71.40	--	--	--	--	--
12100	-46.81	-32.07	-54.91	-71.93	-69.71	--	--	--	--	--
12200	-45.08	-33.03	-54.65	-74.07	-69.55	--	--	--	--	--
12300	-47.06	-33.23	-50.57	-73.77	-69.58	--	--	--	--	--
12400	-44.42	-32.24	-48.89	-71.67	-68.70	--	--	--	--	--
12500	-46.27	-32.66	-51.12	-72.37	-67.58	--	--	--	--	--

Signal Generator

SSG-8N12G-RC

Typical Performance Data

Test Conditions: @ Temperature = 50°C.

Freq. (MHz)	Phase Noise vs. Output Frequency (dBc / Hz)				
	1 kHz	10 kHz	100 kHz	1 MHz	10 MHz
8000	-94.19	-105.13	-112.99	-120.05	-136.11
8100	-93.49	-104.70	-112.44	-119.61	-136.50
8200	-93.43	-104.89	-112.38	-119.47	-135.33
8300	-93.57	-104.65	-112.18	-119.35	-136.18
8400	-93.74	-104.70	-112.28	-118.45	-136.07
8500	-93.47	-104.61	-112.00	-122.15	-136.16
8600	-93.04	-104.39	-111.58	-122.51	-135.69
8700	-93.48	-104.21	-111.49	-121.15	-135.98
8800	-92.76	-104.06	-111.41	-120.09	-135.48
8900	-93.29	-103.88	-111.31	-120.86	-135.30
9000	-93.00	-103.83	-111.35	-119.15	-135.59
9100	-92.61	-103.88	-111.10	-119.18	-135.88
9200	-92.32	-103.75	-110.98	-119.62	-136.13
9300	-92.90	-103.68	-111.07	-119.24	-136.55
9400	-92.68	-103.30	-110.98	-117.82	-135.78
9500	-92.55	-103.65	-110.69	-118.92	-135.87
9600	-92.63	-103.12	-110.64	-117.31	-136.74
9700	-92.47	-103.26	-110.59	-118.01	-135.85
9800	-91.81	-103.10	-110.46	-119.51	-135.34
9900	-91.91	-103.16	-110.70	-118.71	-135.94
10000	-91.78	-103.00	-110.35	-118.56	-136.04
10100	-91.68	-102.90	-110.42	-118.68	-135.84
10200	-92.00	-102.65	-110.37	-118.93	-135.90
10300	-91.74	-102.71	-109.98	-119.30	-135.82
10400	-91.94	-102.62	-110.22	-118.04	-136.48
10500	-91.15	-102.68	-110.13	-117.96	-135.23
10600	-91.68	-102.28	-109.75	-116.98	-134.85
10700	-91.63	-102.25	-109.86	-118.13	-135.37
10800	-91.36	-102.38	-109.69	-119.07	-135.19
10900	-91.46	-102.10	-109.96	-118.19	-134.87
11000	-91.02	-102.40	-109.53	-117.52	-135.13
11100	-91.10	-101.78	-109.66	-117.85	-135.61
11200	-90.86	-101.62	-109.51	-117.65	-135.78
11300	-90.76	-102.03	-109.40	-118.59	-134.79
11400	-90.91	-101.93	-109.29	-116.35	-135.20
11500	-90.98	-102.07	-109.40	-117.20	-136.05
11600	-90.98	-101.64	-109.42	-117.66	-134.52
11700	-90.70	-101.82	-108.79	-115.92	-135.62
11800	-90.39	-101.53	-109.12	-117.43	-136.59
11900	-90.20	-101.70	-109.28	-114.51	-135.23
12000	-90.19	-101.37	-108.80	-115.01	-134.66
12100	-90.38	-101.28	-109.19	-114.50	-136.04
12200	-90.91	-101.52	-109.74	-113.32	-135.55
12300	-90.05	-101.25	-109.09	-113.20	-134.57
12400	-90.42	-101.21	-109.02	-112.47	-134.28
12500	-90.15	-101.21	-108.69	-112.27	-134.39

Freq. (MHz)	Power (dBM) Max
8000	23.41
8100	23.37
8200	23.35
8300	23.19
8400	23.09
8500	23.10
8600	23.05
8700	22.99
8800	23.09
8900	23.15
9000	23.17
9100	23.29
9200	23.32
9300	23.26
9400	23.38
9500	23.39
9600	23.31
9700	23.30
9800	23.37
9900	23.24
10000	23.00
10100	22.84
10200	22.75
10300	22.58
10400	22.46
10500	22.45
10600	22.38
10700	22.22
10800	22.18
10900	22.04
11000	21.89
11100	22.01
11200	21.98
11300	21.87
11400	22.03
11500	22.13
11600	22.23
11700	22.38
11800	22.47
11900	22.65
12000	22.72
12100	22.78
12200	22.87
12300	22.81
12400	22.75
12500	22.45

Signal Generator

SSG-8N12G-RC

Typical Performance Data

Test Conditions: @ Temperature = 50°C.

Freq. Offsets (kHz)	Phase Noise vs. Offset Frequency (dBc / Hz)					
	8.0 GHz	9.0 GHz	10.0 GHz	11.0 GHz	12.0 GHz	12.5 GHz
1	-94.19	-93.00	-91.78	-91.02	-90.19	-90.15
10	-105.13	-103.83	-103.00	-102.40	-101.37	-101.21
100	-112.99	-111.35	-110.35	-109.53	-108.80	-108.69
1000	-120.05	-119.15	-118.56	-117.52	-115.01	-112.27
10000	-136.11	-135.59	-136.04	-135.13	-134.66	-134.39

Freq. (MHz)	Spurious (dBc)	
	Far	Near
8000	-72.70	-41.76
8100	-71.87	-42.26
8200	-71.54	-41.91
8300	-72.52	-42.01
8400	-73.20	-42.02
8500	-71.28	-40.43
8600	-71.99	-41.75
8700	-72.41	-41.60
8800	-71.82	-41.46
8900	-70.88	-41.95
9000	-72.44	-42.03
9100	-71.27	-41.27
9200	-71.65	-41.71
9300	-72.24	-41.75
9400	-71.29	-41.53
9500	-71.82	-41.54
9600	-70.79	-41.27
9700	-69.80	-40.87
9800	-72.81	-41.00
9900	-71.63	-41.19
10000	-72.58	-40.87
10100	-72.14	-40.61
10200	-70.46	-40.39
10300	-71.04	-40.07
10400	-68.25	-39.53
10500	-69.18	-39.67
10600	-71.41	-39.96
10700	-71.76	-39.76
10800	-70.03	-39.84
10900	-71.28	-39.51
11000	-69.59	-39.69
11100	-70.55	-39.74
11200	-71.50	-39.83
11300	-72.02	-39.83
11400	-69.91	-39.80
11500	-69.98	-40.01
11600	-72.13	-40.05
11700	-70.75	-40.38
11800	-70.06	-41.03
11900	-71.11	-41.34
12000	-70.58	-41.44
12100	-71.08	-41.75
12200	-70.12	-42.05
12300	-70.89	-42.28
12400	-71.13	-42.82
12500	-71.71	-42.70

Note: Spurious was measured in offsets of 1 MHz to 150 MHz (Far) and 1 kHz to 1 MHz (Near).