USB / Ethernet / Daisy Chain

Signal Generator

SSG-5N9G-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
5000	0.01	-0.18	-0.17	-0.25	-0.18	-0.10	-0.20	0.04	0.03	0.27
5050	-0.05	-0.20	-0.13	-0.12	-0.07	0.01	-0.12	0.09	0.10	0.30
5100	-0.10	-0.22	-0.09	0.01	0.03	0.11	-0.04	0.15	0.17	0.32
5150	-0.15	-0.22	-0.09	-0.09	-0.07	0.03	-0.10	0.15	0.20	0.29
5200	-0.19	-0.22	-0.09	-0.19	-0.16	-0.05	-0.16	0.15	0.23	0.26
5300	-0.05	-0.14	-0.06	-0.04	-0.01	-0.02	-0.02	0.14	0.18	0.32
5400	-0.04	-0.22	-0.12	-0.16	-0.10	-0.03	-0.22	0.08	0.08	0.30
5500	-0.15	-0.17	-0.16	-0.07	-0.03	-0.12	-0.20	-0.05	0.10	0.27
5600	-0.11	-0.11	-0.22	-0.25	-0.07	0.01	-0.14	0.15	0.19	0.37
5700	0.01	0.14	0.06	0.19	0.23	0.25	-0.04	0.19	0.27	0.28
5800	-0.81	-0.61	-0.52	-0.41	-0.27	-0.32	-0.20	0.18	0.19	0.18
5900	-0.41	-0.29	-0.19	-0.25	-0.15	-0.15	-0.34	0.04	0.11	0.16
6000	0.13	-0.02	-0.15	-0.20	-0.07	-0.10	-0.08	0.19	0.19	0.38
6100	-0.18	-0.23	-0.22	-0.22	-0.14	-0.05	-0.13	0.25	0.34	0.37
6200	-0.63	-0.56	-0.44	-0.31	-0.27	0.02	-0.12	0.07	0.26	0.29
6300	-0.32	-0.17	-0.07	-0.12	-0.22	-0.05	-0.06	0.14	0.19	0.14
6400	-0.12	-0.21	-0.32	-0.29	-0.28	-0.05	-0.13	0.19	0.27	0.39
6500	-0.23	-0.42	-0.37	-0.36	-0.24	-0.12	-0.15	0.09	0.08	0.25
6600	-0.26	-0.35	-0.29	-0.28	-0.18	0.16	-0.04	0.15	0.17	0.29
6700	-0.30	-0.37	-0.18	-0.25	-0.12	-0.02	-0.06	0.28	0.25	0.34
6800	-0.51	-0.43	-0.30	-0.19	-0.05	0.10	0.03	0.24	0.35	0.28
6900	-0.09	0.01	-0.03	0.00	0.00	0.21	0.08	0.15	0.19	0.22
7000	-0.24	-0.22	-0.27	-0.07	-0.04	0.37	0.14	0.33	0.43	0.39
7100	0.26	0.07	-0.01	-0.03	-0.03	0.25	0.12	0.34	0.33	0.33
7200	-0.13	-0.26	-0.19	-0.16	0.01	0.31	0.09	0.27	0.30	0.33
7300	-0.19	-0.25	-0.22	-0.31	-0.24	0.10	0.00	0.23	0.18	0.12
7400	-0.05	-0.08	-0.04	-0.07	-0.13	0.01	-0.06	0.15	0.18	0.27
7500	0.14	0.02	-0.01	-0.05	0.02	0.12	0.05	0.32	0.27	0.17
7600	-0.32	-0.19	-0.24	-0.02	0.05	0.07	0.01	0.27	0.28	0.30
7700	-0.15	-0.27	-0.13	-0.11	0.04	-0.06	-0.10	0.14	0.10	0.20
7800	-0.20	-0.33	-0.29	-0.09	0.02	-0.05	0.00	0.17	0.19	0.26
7900	-0.54	-0.46	-0.25	-0.13	-0.15	-0.11	-0.14	0.08	0.19	0.18
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
8750	0.20	0.00	0.02	-0.09	-0.07	0.07	0.03	0.13	0.20	0.13
8800	0.24	-0.03	-0.06	-0.09	-0.05	0.14	0.08	0.17	0.24	0.19
8850	0.13	-0.03	-0.03	-0.14	-0.10	0.04	0.03	0.16	0.20	0.17
8900	0.02	-0.02	0.00	-0.18	-0.15	-0.05	-0.02	0.15	0.15	0.15
8950	0.01	-0.12	-0.07	-0.15	-0.08	0.02	0.02	0.25	0.22	0.21
9000	0.00	-0.23	-0.14	-0.11	-0.02	0.08	0.07	0.35	0.29	0.28

Signal Generator

Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Power (dBm)	Power deviation from nominal vs. Output Power (dB)								
	5.0 GHz	5.5 GHz	6.0 GHz	6.5 GHz	7.0 GHz	7.5 GHz	8.0 GHz	8.5 GHz	9.0 GHz
-50	0.01	-0.15	0.13	-0.23	-0.24	0.14	-0.52	-0.43	0.00
-49	-0.03	-0.15	0.10	-0.27	-0.23	0.12	-0.47	-0.45	-0.05
-48	-0.07	-0.16	0.07	-0.31	-0.23	0.09	-0.42	-0.47	-0.09
-47	-0.10	-0.16	0.04	-0.34	-0.22	0.07	-0.37	-0.49	-0.14
-46	-0.14	-0.17	0.01	-0.38	-0.22	0.04	-0.33	-0.51	-0.18
-45	-0.18	-0.17	-0.02	-0.42	-0.22	0.02	-0.28	-0.53	-0.23
-44	-0.18	-0.17	-0.04	-0.41	-0.23	0.01	-0.28	-0.48	-0.21
-43	-0.17	-0.17	-0.07	-0.40	-0.24	0.01	-0.28	-0.42	-0.19
-42	-0.17	-0.16	-0.09	-0.39	-0.25	0.00	-0.27	-0.36	-0.17
-41	-0.17	-0.16	-0.12	-0.38	-0.26	0.00	-0.27	-0.30	-0.16
-40	-0.17	-0.16	-0.15	-0.37	-0.27	-0.01	-0.27	-0.25	-0.14
-38	-0.19	-0.16	-0.16	-0.35	-0.23	0.00	-0.27	-0.19	-0.14
-36	-0.21	-0.15	-0.17	-0.33	-0.19	0.01	-0.26	-0.13	-0.14
-34	-0.22	-0.13	-0.18	-0.33	-0.15	0.00	-0.24	-0.12	-0.14
-32	-0.24	-0.10	-0.19	-0.34	-0.11	-0.02	-0.19	-0.15	-0.13
-30	-0.25	-0.07	-0.20	-0.36	-0.07	-0.05	-0.15	-0.18	-0.11
-28	-0.21	-0.09	-0.18	-0.33	-0.05	-0.06	-0.12	-0.13	-0.09
-26	-0.16	-0.12	-0.16	-0.30	-0.04	-0.07	-0.10	-0.09	-0.07
-24	-0.15	-0.11	-0.14	-0.28	-0.03	-0.06	-0.08	-0.06	-0.05
-22	-0.16	-0.07	-0.10	-0.26	-0.04	-0.02	-0.07	-0.05	-0.03
-20	-0.18	-0.03	-0.07	-0.24	-0.04	0.02	-0.06	-0.04	-0.02
-18	-0.17	-0.03	-0.08	-0.24	0.13	0.08	-0.06	-0.03	0.07
-16	-0.17	-0.03	-0.09	-0.24	0.29	0.13	-0.06	-0.03	0.15
-14	-0.16	-0.04	-0.09	-0.22	0.38	0.16	-0.08	-0.02	0.17
-12	-0.13	-0.08	-0.10	-0.17	0.37	0.14	-0.10	-0.01	0.12
-10	-0.10	-0.12	-0.10	-0.12	0.37	0.12	-0.12	0.00	0.08
-8	-0.09	-0.18	-0.09	-0.14	0.32	0.10	-0.10	-0.02	0.10
-6	-0.09	-0.25	-0.08	-0.16	0.27	0.07	-0.08	-0.04	0.12
-4	-0.11	-0.27	-0.08	-0.17	0.23	0.06	-0.06	-0.07	0.11
-2	-0.15	-0.23	-0.08	-0.16	0.19	0.05	-0.05	-0.10	0.09
0	-0.20	-0.20	-0.08	-0.15	0.14	0.05	-0.03	-0.13	0.07
+2	-0.14	-0.15	0.00	-0.10	0.24	0.15	0.01	-0.05	0.17
+4	-0.09	-0.09	0.08	-0.05	0.34	0.24	0.06	0.04	0.28
+6	-0.04	-0.06	0.14	0.00	0.38	0.30	0.09	0.08	0.34
+8	0.00	-0.05	0.16	0.05	0.35	0.31	0.12	0.07	0.34
+10	0.04	-0.05	0.19	0.09	0.33	0.32	0.14	0.07	0.35
+11	0.04	-0.02	0.19	0.09	0.35	0.31	0.15	0.09	0.34
+12	0.04	0.01	0.19	0.09	0.37	0.30	0.16	0.12	0.32
+13	0.03	0.04	0.19	0.08	0.39	0.29	0.17	0.15	0.31
+14	0.03	0.07	0.19	0.08	0.41	0.28	0.18	0.18	0.30
+15	0.03	0.10	0.19	0.08	0.43	0.27	0.19	0.21	0.29
+16	0.08	0.14	0.23	0.11	0.42	0.25	0.18	0.19	0.29
+17	0.12	0.17	0.26	0.15	0.41	0.23	0.16	0.18	0.28
+18	0.17	0.21	0.30	0.18	0.40	0.21	0.15	0.17	0.28
+19	0.22	0.24	0.34	0.22	0.39	0.19	0.13	0.15	0.28
+20	0.27	0.27	0.38	0.25	0.39	0.17	0.12	0.14	0.28

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
5000	-15.00	-16.83	-19.11	-14.04	-17.45	-32.83	-37.05	-38.98	-46.83	-31.30
5050	-15.77	-17.20	-19.59	-14.60	-17.86	-34.86	-37.78	-42.55	-53.38	-34.20
5100	-16.55	-17.56	-20.06	-15.16	-18.28	-36.88	-38.52	-46.13	-59.93	-37.10
5150	-16.05	-17.54	-19.99	-15.30	-18.46	-37.51	-37.58	-49.33	-61.41	-40.65
5200	-15.54	-17.52	-19.91	-15.43	-18.65	-38.13	-36.65	-52.53	-62.89	-44.20
5300	-14.07	-16.41	-18.99	-15.12	-18.29	-46.50	-43.35	-58.81	-73.47	-53.77
5400	-15.03	-16.32	-18.31	-14.86	-18.42	-56.31	-39.50	-60.46	-73.85	-62.39
5500	-16.14	-16.36	-17.85	-14.98	-18.76	-51.90	-35.14	-57.13	-69.53	-58.98
5600	-12.10	-14.97	-17.92	-15.09	-18.78	-47.74	-39.40	-59.90	-69.98	-55.65
5700	-12.37	-15.34	-17.85	-15.34	-19.48	-52.22	-40.19	-55.05	-70.07	-56.09
5800	-11.07	-15.23	-18.53	-16.03	-21.01	-50.03	-38.66	-62.31	-67.10	-55.97
5900	-15.10	-17.40	-18.77	-15.44	-19.21	-50.11	-40.12	-59.67	-65.50	-53.93
6000	-13.51	-19.22	-19.91	-15.71	-19.16	-49.89	-39.30	-60.96	-62.37	-54.02
6100	-15.89	-17.38	-19.27	-15.83	-18.91	-49.62	-34.95	-56.08	-61.57	-53.70
6200	-19.06	-19.00	-19.75	-15.72	-18.57	-48.62	-38.05	-57.98	-59.14	-53.79
6300	-18.77	-19.42	-20.28	-15.92	-19.00	-54.06	-32.90	-55.00	-57.76	-53.69
6400	-12.65	-16.10	-19.46	-16.12	-19.34	-48.62	-39.55	-60.32	-61.08	-54.95
6500	-14.43	-17.95	-19.20	-16.16	-19.20	-51.90	-38.81	-59.56	-59.58	-54.18
6600	-24.81	-19.72	-18.73	-16.78	-19.27	-52.58	-36.68	-57.82	-56.79	-53.13
6700	-17.46	-17.16	-17.58	-16.42	-18.63	-47.25	-35.25	-59.54	-65.82	-52.84
6800	-12.83	-15.12	-16.66	-16.06	-18.71	-52.13	-39.11	-60.94	-58.87	-52.78
6900	-12.54	-14.75	-16.08	-15.73	-18.59	-49.82	-38.50	-54.65	-63.26	-54.71
7000	-21.43	-16.63	-15.19	-15.11	-18.05	-45.76	-38.49	-55.72	-67.27	-55.09
7100	-14.98	-17.27	-18.65	-19.43	-22.25	-45.95	-37.03	-56.76	-67.52	-56.35
7200	-11.70	-15.16	-18.01	-19.28	-22.78	-47.81	-34.40	-56.57	-71.09	-60.35
7300	-13.49	-16.92	-18.79	-19.39	-23.59	-46.90	-37.71	-54.01	-68.53	-59.94
7400	-20.07	-21.89	-22.33	-22.06	-27.23	-48.95	-34.16	-54.61	-67.23	-62.87
7500	-25.86	-27.46	-26.84	-25.49	-32.73	-47.84	-36.83	-54.16	-69.05	-66.57
7600	-27.26	-33.69	-31.28	-28.99	-37.62	-48.42	-33.78	-56.10	-72.16	-72.18
7700	-25.05	-31.78	-34.52	-33.71	-43.53	-48.15	-36.52	-55.39	-75.08	-79.28
7800	-31.20	-34.05	-38.32	-38.54	-49.28	-45.44	-35.47	-54.81	-73.19	-81.92
7900	-31.08	-36.27	-44.41	-44.62	-55.95	-50.70	-33.64	-53.76	-78.11	-82.62
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
8750	-49.22	-37.21	-50.79	-49.63	-68.15	-44.57	-32.55	-54.28	-72.44	-88.06
8800	-44.21	-35.47	-50.43	-49.05	-69.28	-44.40	-27.67	-54.40	-72.40	-88.31
8850	-43.89	-36.10	-51.28	-49.09	-68.18	--	--	--	--	--
8900	-43.57	-36.73	-52.14	-49.13	-67.07	--	--	--	--	--
8950	-44.37	-37.39	-51.36	-48.97	-64.92	--	--	--	--	--
9000	-45.16	-38.05	-50.59	-48.80	-62.76	--	--	--	--	--

Signal Generator

SSG-5N9G-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
5000	-98.62	-109.15	-117.58	-125.29	-135.21
5050	-98.76	-109.01	-117.40	-124.89	-135.27
5100	-98.89	-108.86	-117.22	-124.49	-135.32
5150	-98.61	-108.74	-117.23	-124.47	-134.91
5200	-98.33	-108.62	-117.24	-124.44	-134.50
5300	-97.77	-108.59	-116.97	-123.86	-135.30
5400	-97.90	-108.21	-116.65	-123.09	-135.28
5500	-97.60	-108.13	-116.76	-123.52	-135.58
5600	-97.73	-108.32	-116.48	-122.33	-135.30
5700	-97.30	-107.86	-116.28	-122.16	-135.57
5800	-97.42	-107.75	-116.33	-121.13	-135.63
5900	-97.03	-107.78	-115.90	-121.29	-135.28
6000	-96.96	-107.79	-116.23	-119.83	-135.06
6100	-96.85	-107.13	-115.79	-119.19	-135.46
6200	-96.63	-107.23	-116.02	-117.31	-135.90
6300	-96.66	-106.99	-116.01	-117.03	-136.36
6400	-96.27	-107.02	-115.44	-116.36	-136.21
6500	-96.21	-106.92	-115.48	-119.34	-136.21
6600	-95.98	-106.58	-115.31	-119.29	-136.04
6700	-95.83	-106.61	-114.84	-118.18	-135.56
6800	-95.49	-106.38	-114.88	-117.27	-135.64
6900	-95.46	-106.35	-114.83	-117.82	-135.73
7000	-95.62	-106.06	-114.47	-118.14	-135.91
7100	-95.36	-105.63	-114.54	-117.33	-135.17
7200	-95.50	-105.83	-114.24	-118.46	-135.69
7300	-95.24	-105.69	-114.17	-117.52	-135.68
7400	-94.73	-105.67	-114.21	-116.69	-135.30
7500	-95.31	-105.57	-113.80	-123.53	-135.45
7600	-94.84	-105.55	-113.44	-122.13	-136.08
7700	-94.72	-105.31	-113.63	-121.90	-136.72
7800	-94.65	-105.29	-113.69	-120.25	-135.94
7900	-94.81	-105.08	-113.37	-121.33	-136.19
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
8750	-93.84	-104.23	-112.72	-121.34	-135.20
8800	-93.74	-104.27	-112.73	-121.24	-135.32
8850	-93.78	-104.28	-112.58	-120.87	-135.21
8900	-93.81	-104.28	-112.42	-120.50	-135.10
8950	-93.64	-104.15	-112.32	-120.08	-135.35
9000	-93.46	-104.02	-112.21	-119.65	-135.60

Freq. (MHz)	Power (dBM) Max
5000	24.17
5050	24.29
5100	24.42
5150	24.50
5200	24.58
5300	24.42
5400	24.14
5500	23.99
5600	23.68
5700	23.34
5800	23.13
5900	22.90
6000	22.67
6100	22.57
6200	22.49
6300	22.48
6400	22.58
6500	22.80
6600	23.11
6700	23.50
6800	23.79
6900	23.97
7000	24.26
7100	24.51
7200	24.61
7300	24.68
7400	24.76
7500	24.74
7600	24.53
7700	24.32
7800	24.10
7900	24.03
8000	23.89
8100	23.84
8200	23.83
8300	23.64
8400	23.50
8500	23.56
8600	23.48
8700	23.43
8750	23.47
8800	23.51
8850	23.55
8900	23.60
8950	23.64
9000	23.68

Signal Generator

SSG-5N9G-RC

Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Freq. Offsets (kHz)	Phase Noise vs. Offset Frequency (dBc / Hz)				
	5.0 GHz	6.0 GHz	7.0 GHz	8.0 GHz	9.0 GHz
1	-98.62	-96.96	-95.62	-94.28	-93.46
10	-109.15	-107.79	-106.06	-105.11	-104.02
100	-117.58	-116.23	-114.47	-113.42	-112.21
1000	-125.29	-119.83	-118.14	-120.78	-119.65
10000	-135.21	-135.06	-135.91	-136.15	-135.60

Freq. (MHz)	Spurious (dBc)
5000	-65.93
5050	-66.06
5100	-66.19
5150	-66.32
5200	-66.44
5300	-66.50
5400	-66.34
5500	-66.19
5600	-66.38
5700	-66.57
5800	-66.54
5900	-66.28
6000	-66.03
6100	-65.94
6200	-65.85
6300	-66.10
6400	-66.71
6500	-67.32
6600	-66.35
6700	-65.38
6800	-65.17
6900	-65.71
7000	-66.25
7100	-65.70
7200	-65.15
7300	-65.06
7400	-65.43
7500	-65.81
7600	-65.74
7700	-65.67
7800	-65.60
7900	-65.54
8000	-65.49
8100	-65.65
8200	-65.81
8300	-65.67
8400	-65.25
8500	-64.82
8600	-65.56
8700	-66.29
8750	-66.66
8800	-66.14
8850	-65.62
8900	-65.10
8950	-64.58
9000	-64.06

Note: Spurious was measured in offsets of 100 kHz to 150 MHz.

Signal Generator

SSG-5N9G-RC

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
5000	0.26	0.22	0.24	0.21	0.24	0.25	0.16	0.43	0.55	0.37
5050	0.26	0.23	0.26	0.30	0.31	0.30	0.20	0.47	0.57	0.42
5100	0.25	0.23	0.28	0.38	0.37	0.36	0.24	0.51	0.60	0.46
5150	0.16	0.21	0.25	0.29	0.31	0.31	0.23	0.49	0.58	0.46
5200	0.07	0.18	0.23	0.20	0.24	0.25	0.22	0.47	0.57	0.46
5300	0.25	0.23	0.29	0.33	0.37	0.33	0.29	0.47	0.58	0.43
5400	0.34	0.28	0.31	0.28	0.32	0.37	0.26	0.47	0.55	0.57
5500	0.17	0.23	0.29	0.37	0.39	0.33	0.23	0.44	0.51	0.57
5600	0.29	0.26	0.31	0.29	0.30	0.36	0.28	0.46	0.52	0.65
5700	0.31	0.33	0.35	0.44	0.46	0.25	0.25	0.47	0.49	0.61
5800	0.01	0.15	0.14	0.20	0.23	0.25	0.27	0.47	0.58	0.58
5900	0.19	0.22	0.25	0.27	0.32	0.21	0.23	0.47	0.57	0.44
6000	0.31	0.17	0.24	0.21	0.24	0.30	0.29	0.54	0.60	0.61
6100	0.09	0.15	0.21	0.18	0.28	0.24	0.20	0.45	0.55	0.60
6200	-0.05	-0.02	0.09	0.12	0.16	0.29	0.25	0.54	0.55	0.60
6300	0.04	0.12	0.18	0.17	0.22	0.22	0.25	0.43	0.52	0.45
6400	0.12	0.10	0.07	0.11	0.18	0.28	0.30	0.57	0.70	0.59
6500	0.10	0.10	0.12	0.16	0.15	0.23	0.24	0.48	0.56	0.54
6600	0.09	0.10	0.11	0.14	0.21	0.32	0.30	0.50	0.61	0.57
6700	0.11	0.17	0.21	0.18	0.20	0.24	0.26	0.56	0.61	0.56
6800	0.24	0.17	0.26	0.16	0.33	0.36	0.31	0.62	0.62	0.56
6900	0.32	0.32	0.41	0.29	0.42	0.27	0.26	0.47	0.51	0.43
7000	0.16	0.15	0.24	0.16	0.33	0.37	0.30	0.59	0.59	0.50
7100	0.36	0.34	0.37	0.23	0.45	0.29	0.31	0.54	0.62	0.49
7200	0.25	0.29	0.32	0.24	0.46	0.36	0.35	0.53	0.65	0.52
7300	0.17	0.20	0.26	0.12	0.25	0.29	0.26	0.47	0.59	0.46
7400	0.17	0.28	0.31	0.28	0.32	0.33	0.30	0.55	0.61	0.53
7500	0.23	0.25	0.28	0.17	0.33	0.27	0.30	0.50	0.61	0.46
7600	0.14	0.20	0.18	0.24	0.33	0.33	0.30	0.53	0.61	0.49
7700	0.25	0.30	0.27	0.18	0.33	0.26	0.25	0.42	0.54	0.46
7800	0.14	0.24	0.18	0.22	0.34	0.33	0.27	0.51	0.64	0.50
7900	0.10	0.20	0.25	0.20	0.29	0.27	0.26	0.52	0.58	0.46
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
8750	0.27	0.29	0.31	0.20	0.36	0.34	0.30	0.49	0.57	0.46
8800	0.20	0.19	0.23	0.20	0.45	0.40	0.39	0.55	0.63	0.52
8850	0.27	0.30	0.27	0.16	0.36	0.31	0.32	0.50	0.59	0.46
8900	0.34	0.41	0.32	0.11	0.27	0.21	0.25	0.45	0.55	0.40
8950	0.21	0.26	0.23	0.13	0.36	0.29	0.29	0.49	0.59	0.44
9000	0.08	0.12	0.14	0.14	0.44	0.37	0.32	0.53	0.63	0.48

Signal Generator

Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Power (dBm)	Power deviation from nominal vs. Output Power (dB)								
	5.0 GHz	5.5 GHz	6.0 GHz	6.5 GHz	7.0 GHz	7.5 GHz	8.0 GHz	8.5 GHz	9.0 GHz
-50	0.26	0.17	0.31	0.10	0.16	0.23	0.17	0.24	0.08
-49	0.25	0.18	0.28	0.10	0.16	0.24	0.19	0.26	0.09
-48	0.25	0.20	0.25	0.10	0.16	0.24	0.21	0.28	0.10
-47	0.24	0.21	0.22	0.10	0.16	0.24	0.22	0.29	0.10
-46	0.23	0.22	0.20	0.10	0.15	0.25	0.24	0.31	0.11
-45	0.22	0.23	0.17	0.10	0.15	0.25	0.26	0.33	0.12
-44	0.22	0.24	0.18	0.11	0.17	0.26	0.25	0.33	0.12
-43	0.23	0.25	0.20	0.11	0.18	0.27	0.24	0.34	0.13
-42	0.23	0.26	0.21	0.11	0.20	0.27	0.24	0.34	0.13
-41	0.24	0.28	0.23	0.12	0.22	0.28	0.23	0.35	0.13
-40	0.24	0.29	0.24	0.12	0.24	0.28	0.22	0.36	0.14
-38	0.25	0.31	0.26	0.14	0.25	0.30	0.24	0.37	0.15
-36	0.27	0.32	0.27	0.15	0.27	0.31	0.25	0.38	0.16
-34	0.26	0.34	0.27	0.16	0.25	0.28	0.25	0.35	0.16
-32	0.23	0.35	0.24	0.16	0.21	0.23	0.23	0.28	0.15
-30	0.21	0.37	0.21	0.16	0.16	0.17	0.21	0.21	0.14
-28	0.20	0.35	0.20	0.15	0.20	0.19	0.25	0.24	0.17
-26	0.20	0.32	0.18	0.13	0.23	0.21	0.29	0.26	0.20
-24	0.20	0.33	0.19	0.13	0.27	0.24	0.32	0.29	0.26
-22	0.22	0.36	0.21	0.14	0.30	0.29	0.34	0.33	0.35
-20	0.24	0.39	0.24	0.15	0.33	0.33	0.36	0.36	0.44
-18	0.26	0.41	0.24	0.19	0.34	0.29	0.36	0.31	0.40
-16	0.28	0.43	0.23	0.23	0.35	0.26	0.36	0.25	0.36
-14	0.28	0.42	0.24	0.24	0.36	0.25	0.34	0.23	0.35
-12	0.26	0.38	0.27	0.24	0.36	0.26	0.30	0.25	0.36
-10	0.25	0.33	0.30	0.23	0.37	0.27	0.27	0.26	0.37
-8	0.24	0.31	0.31	0.22	0.36	0.28	0.30	0.27	0.38
-6	0.23	0.29	0.32	0.22	0.36	0.29	0.33	0.27	0.39
-4	0.22	0.27	0.31	0.22	0.35	0.30	0.34	0.27	0.38
-2	0.19	0.25	0.30	0.23	0.33	0.30	0.31	0.26	0.35
0	0.16	0.23	0.29	0.24	0.30	0.30	0.29	0.25	0.32
+2	0.24	0.30	0.36	0.32	0.41	0.35	0.36	0.34	0.41
+4	0.32	0.37	0.44	0.40	0.51	0.40	0.44	0.42	0.50
+6	0.37	0.41	0.49	0.45	0.57	0.44	0.50	0.47	0.55
+8	0.40	0.42	0.51	0.47	0.58	0.47	0.53	0.49	0.54
+10	0.43	0.44	0.54	0.48	0.59	0.50	0.57	0.51	0.53
+11	0.46	0.45	0.55	0.50	0.59	0.52	0.58	0.50	0.55
+12	0.48	0.47	0.56	0.52	0.59	0.54	0.59	0.50	0.57
+13	0.50	0.48	0.57	0.53	0.59	0.56	0.60	0.50	0.59
+14	0.52	0.50	0.58	0.55	0.59	0.59	0.60	0.50	0.61
+15	0.55	0.51	0.60	0.56	0.59	0.61	0.61	0.50	0.63
+16	0.51	0.52	0.60	0.56	0.57	0.58	0.58	0.49	0.60
+17	0.48	0.54	0.60	0.55	0.56	0.55	0.56	0.48	0.57
+18	0.44	0.55	0.60	0.55	0.54	0.52	0.53	0.47	0.54
+19	0.41	0.56	0.60	0.54	0.52	0.49	0.50	0.46	0.51
+20	0.37	0.57	0.61	0.54	0.50	0.46	0.47	0.45	0.48

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
5000	-14.81	-16.45	-18.96	-13.96	-17.96	-34.61	-36.28	-40.67	-49.06	-31.99
5050	-15.50	-16.94	-19.44	-14.52	-18.33	-35.80	-38.33	-43.85	-54.94	-35.00
5100	-16.20	-17.42	-19.92	-15.09	-18.69	-36.99	-40.38	-47.03	-60.82	-38.02
5150	-15.53	-17.16	-19.75	-15.13	-18.82	-39.34	-38.54	-50.82	-63.38	-41.78
5200	-14.86	-16.90	-19.59	-15.17	-18.94	-41.68	-36.70	-54.60	-65.93	-45.54
5300	-14.74	-16.74	-18.91	-15.00	-18.64	-49.09	-40.26	-59.28	-68.26	-55.02
5400	-16.06	-16.30	-18.37	-14.96	-19.17	-55.08	-38.74	-62.06	-73.73	-63.04
5500	-13.84	-15.42	-17.87	-15.08	-19.53	-50.87	-38.50	-56.08	-71.82	-59.30
5600	-13.14	-15.46	-18.13	-15.34	-19.73	-49.96	-35.88	-57.66	-67.96	-56.61
5700	-11.69	-14.70	-17.85	-15.42	-19.93	-53.35	-35.71	-58.55	-66.55	-56.29
5800	-11.53	-15.73	-18.59	-16.11	-21.15	-48.25	-39.32	-60.53	-67.31	-56.18
5900	-14.87	-17.39	-19.00	-15.67	-19.73	-46.33	-38.43	-54.77	-65.30	-54.48
6000	-18.48	-21.16	-20.25	-16.04	-19.71	-47.10	-40.99	-57.07	-62.52	-54.72
6100	-15.95	-17.66	-19.36	-15.88	-19.40	-50.57	-34.58	-55.64	-60.64	-54.33
6200	-19.68	-18.62	-19.45	-15.74	-19.08	-51.66	-37.34	-57.63	-60.54	-54.09
6300	-16.41	-17.45	-19.28	-15.89	-19.39	-50.68	-39.32	-55.11	-59.34	-54.15
6400	-12.58	-15.94	-18.70	-16.02	-19.75	-50.09	-38.24	-56.37	-61.34	-55.11
6500	-16.85	-18.08	-18.57	-16.12	-19.80	-51.41	-38.35	-58.91	-60.58	-54.35
6600	-21.33	-18.84	-18.28	-16.68	-20.00	-55.66	-38.43	-60.44	-56.75	-53.23
6700	-16.13	-16.58	-17.32	-16.25	-19.33	-50.63	-37.95	-56.97	-69.08	-53.12
6800	-13.18	-14.95	-16.61	-15.96	-19.76	-51.08	-37.24	-56.91	-60.17	-53.64
6900	-12.90	-15.07	-15.78	-15.58	-19.48	-50.36	-38.81	-56.27	-63.54	-54.90
7000	-18.91	-16.03	-15.58	-15.43	-19.32	-49.51	-36.96	-57.34	-69.53	-55.40
7100	-14.25	-17.10	-19.09	-20.04	-23.60	-48.81	-34.32	-55.71	-66.52	-56.73
7200	-12.49	-15.86	-18.64	-19.72	-24.04	-48.66	-34.07	-57.61	-69.82	-60.84
7300	-15.92	-18.81	-19.75	-20.17	-25.12	-48.60	-34.08	-55.43	-70.19	-60.42
7400	-23.88	-23.71	-23.24	-23.18	-28.99	-50.35	-34.63	-53.82	-69.86	-63.75
7500	-26.43	-26.43	-28.05	-26.83	-34.63	-49.47	-34.92	-58.45	-70.42	-67.44
7600	-36.19	-37.27	-32.75	-30.35	-39.27	-51.75	-36.18	-52.69	-74.98	-74.41
7700	-26.80	-31.96	-36.02	-35.39	-45.33	-49.64	-32.66	-58.61	-72.87	-81.36
7800	-31.27	-33.29	-39.51	-40.10	-51.07	-48.35	-33.11	-54.43	-74.53	-82.04
7900	-34.65	-36.34	-46.52	-46.78	-56.98	-49.21	-34.24	-54.54	-74.63	-83.88
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
8750	-46.68	-37.51	-52.17	-50.47	-65.73	-44.40	-31.59	-53.49	-71.30	-90.17
8800	-41.15	-36.55	-50.81	-50.08	-65.47	-43.19	-32.52	-52.92	-70.80	-89.69
8850	-43.04	-38.37	-51.26	-50.33	-64.52	--	--	--	--	--
8900	-44.92	-40.19	-51.71	-50.58	-63.57	--	--	--	--	--
8950	-44.60	-37.74	-51.27	-50.21	-62.63	--	--	--	--	--
9000	-44.27	-35.29	-50.83	-49.84	-61.70	--	--	--	--	--

Signal Generator

SSG-5N9G-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
5000	-98.23	-109.48	-117.17	-125.04	-135.28
5050	-98.15	-109.25	-117.10	-124.98	-135.34
5100	-98.07	-109.01	-117.03	-124.92	-135.40
5150	-98.15	-108.98	-117.02	-124.63	-135.36
5200	-98.23	-108.95	-117.00	-124.34	-135.32
5300	-98.23	-108.89	-116.75	-123.86	-135.74
5400	-97.77	-108.72	-116.37	-123.74	-135.60
5500	-97.70	-108.35	-116.36	-122.42	-135.76
5600	-97.50	-108.29	-116.10	-123.34	-135.21
5700	-97.10	-108.52	-115.97	-121.94	-136.29
5800	-97.37	-108.26	-115.84	-121.01	-135.98
5900	-96.72	-107.46	-116.12	-122.30	-136.00
6000	-96.81	-107.57	-115.90	-119.70	-135.62
6100	-96.88	-107.41	-115.31	-118.73	-135.50
6200	-96.55	-107.52	-115.80	-119.20	-135.28
6300	-96.57	-107.24	-115.28	-118.79	-136.31
6400	-96.39	-107.22	-115.42	-117.22	-136.18
6500	-96.15	-106.95	-115.00	-119.02	-136.90
6600	-96.11	-106.52	-114.89	-118.30	-137.04
6700	-95.96	-106.54	-114.58	-117.96	-136.40
6800	-95.84	-106.86	-114.54	-118.09	-136.17
6900	-95.70	-106.23	-114.71	-118.36	-136.34
7000	-95.91	-106.43	-114.45	-118.38	-136.13
7100	-95.40	-106.00	-114.04	-118.86	-136.02
7200	-95.75	-105.95	-113.98	-118.20	-136.01
7300	-94.95	-106.00	-114.09	-117.77	-136.59
7400	-94.94	-105.89	-113.95	-117.30	-136.24
7500	-95.09	-106.04	-113.71	-122.75	-136.42
7600	-94.70	-105.59	-113.45	-123.45	-137.28
7700	-95.11	-105.66	-113.31	-121.86	-136.75
7800	-95.11	-105.36	-113.31	-120.70	-135.17
7900	-95.03	-105.29	-113.69	-119.45	-136.47
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
8750	-93.46	-104.19	-112.09	-119.50	-136.17
8800	-93.49	-104.33	-112.09	-120.14	-136.36
8850	-93.43	-104.27	-111.98	-120.72	-136.29
8900	-93.37	-104.21	-111.86	-121.30	-136.22
8950	-93.17	-104.09	-111.84	-120.49	-136.29
9000	-92.96	-103.96	-111.81	-119.67	-136.35

Freq. (MHz)	Power (dBM) Max
5000	24.29
5050	24.41
5100	24.53
5150	24.59
5200	24.65
5300	24.49
5400	24.22
5500	24.10
5600	23.80
5700	23.48
5800	23.29
5900	23.07
6000	22.90
6100	22.84
6200	22.78
6300	22.78
6400	22.90
6500	23.10
6600	23.34
6700	23.68
6800	24.00
6900	24.19
7000	24.32
7100	24.47
7200	24.51
7300	24.54
7400	24.57
7500	24.58
7600	24.35
7700	24.12
7800	23.96
7900	23.85
8000	23.74
8100	23.71
8200	23.67
8300	23.51
8400	23.42
8500	23.39
8600	23.37
8700	23.32
8750	23.37
8800	23.42
8850	23.46
8900	23.50
8950	23.53
9000	23.56

Signal Generator

SSG-5N9G-RC

Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Freq. Offsets (kHz)	Phase Noise vs. Offset Frequency (dBc / Hz)				
	5.0 GHz	6.0 GHz	7.0 GHz	8.0 GHz	9.0 GHz
1	-98.23	-96.81	-95.91	-94.61	-92.96
10	-109.48	-107.57	-106.43	-105.22	-103.96
100	-117.17	-115.90	-114.45	-113.29	-111.81
1000	-125.04	-119.70	-118.38	-119.76	-119.67
10000	-135.28	-135.62	-136.13	-136.15	-136.35

Freq. (MHz)	Spurious (dBc)
5000	-65.56
5050	-65.70
5100	-65.83
5150	-65.97
5200	-66.10
5300	-66.35
5400	-66.58
5500	-66.81
5600	-66.93
5700	-67.05
5800	-66.99
5900	-66.75
6000	-66.51
6100	-66.35
6200	-66.20
6300	-66.13
6400	-66.16
6500	-66.19
6600	-65.98
6700	-65.77
6800	-65.92
6900	-66.44
7000	-66.96
7100	-66.38
7200	-65.79
7300	-65.76
7400	-66.27
7500	-66.78
7600	-65.94
7700	-65.09
7800	-64.93
7900	-65.43
8000	-65.94
8100	-65.90
8200	-65.87
8300	-65.69
8400	-65.39
8500	-65.08
8600	-65.53
8700	-65.99
8750	-66.21
8800	-66.04
8850	-65.86
8900	-65.69
8950	-65.51
9000	-65.34

Note: Spurious was measured in offsets of 100 kHz to 150 MHz.

Signal Generator

SSG-5N9G-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
5000	0.16	0.13	0.15	0.10	0.08	-0.06	-0.06	0.27	0.45	0.41
5050	0.18	0.10	0.15	0.17	0.13	-0.04	0.05	0.33	0.47	0.47
5100	0.19	0.08	0.15	0.23	0.18	-0.02	0.15	0.39	0.48	0.52
5150	0.09	0.05	0.08	0.19	0.09	0.01	0.14	0.34	0.45	0.52
5200	-0.01	0.03	0.02	0.14	0.00	0.04	0.12	0.30	0.41	0.51
5300	0.13	0.10	0.10	0.25	0.18	0.12	0.23	0.37	0.50	0.52
5400	0.08	0.11	0.09	0.18	0.09	-0.01	0.12	0.37	0.51	0.49
5500	0.09	0.13	0.13	0.25	0.22	0.01	0.12	0.37	0.47	0.50
5600	0.19	0.20	0.21	0.22	0.13	0.12	0.22	0.39	0.52	0.56
5700	0.26	0.35	0.30	0.43	0.34	0.29	0.26	0.43	0.52	0.65
5800	-0.22	-0.11	-0.06	0.04	-0.11	0.11	0.23	0.49	0.47	0.62
5900	-0.04	0.09	0.05	0.18	0.05	0.04	0.13	0.43	0.39	0.55
6000	-0.01	0.04	0.02	0.12	0.04	0.24	0.26	0.47	0.57	0.54
6100	0.09	0.02	0.05	0.13	0.02	0.12	0.16	0.50	0.58	0.59
6200	-0.04	-0.01	-0.10	-0.02	-0.12	0.07	0.24	0.50	0.58	0.63
6300	-0.11	-0.15	-0.07	0.03	0.05	0.05	0.19	0.45	0.49	0.52
6400	-0.05	-0.10	-0.13	0.01	0.00	0.11	0.18	0.48	0.55	0.61
6500	0.00	0.00	-0.05	0.04	-0.08	0.02	0.14	0.42	0.45	0.46
6600	-0.06	-0.07	-0.05	0.04	0.02	0.21	0.28	0.47	0.56	0.63
6700	0.00	0.10	0.04	0.07	-0.03	0.06	0.22	0.52	0.62	0.62
6800	0.08	0.00	0.02	0.11	0.08	0.06	0.17	0.52	0.62	0.59
6900	0.26	0.24	0.29	0.30	0.19	0.07	0.16	0.42	0.55	0.53
7000	0.17	0.17	0.12	0.19	0.16	0.02	0.22	0.53	0.57	0.56
7100	0.21	0.14	0.12	0.26	0.16	-0.01	0.13	0.52	0.54	0.53
7200	0.00	0.17	0.13	0.31	0.08	0.03	0.21	0.53	0.69	0.65
7300	-0.23	-0.13	-0.02	0.02	-0.11	0.02	0.08	0.44	0.46	0.50
7400	-0.03	0.05	0.05	0.17	0.02	0.05	0.20	0.38	0.52	0.50
7500	0.04	0.03	0.08	0.11	0.07	0.05	0.23	0.46	0.42	0.45
7600	0.32	0.13	0.08	0.23	0.13	0.18	0.24	0.45	0.49	0.52
7700	0.29	0.20	0.18	0.18	0.09	0.08	0.23	0.40	0.49	0.46
7800	0.16	0.13	0.14	0.27	0.16	0.24	0.29	0.53	0.55	0.53
7900	0.18	0.19	0.22	0.24	0.17	0.30	0.34	0.58	0.57	0.57
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
8750	-0.01	0.08	0.14	0.23	0.08	0.27	0.33	0.53	0.47	0.55
8800	-0.02	0.02	0.10	0.22	0.15	0.29	0.36	0.58	0.50	0.59
8850	0.07	0.15	0.11	0.15	0.07	0.20	0.27	0.49	0.44	0.50
8900	0.16	0.28	0.13	0.07	0.00	0.11	0.17	0.40	0.38	0.41
8950	0.03	0.12	0.04	0.10	0.07	0.12	0.19	0.41	0.40	0.42
9000	-0.10	-0.04	-0.04	0.13	0.15	0.14	0.21	0.42	0.43	0.43

Signal Generator

Typical Performance Data

Test Conditions: @ Temperature = 50°C.

Power (dBm)	Power deviation from nominal vs. Output Power (dB)								
	5.0 GHz	5.5 GHz	6.0 GHz	6.5 GHz	7.0 GHz	7.5 GHz	8.0 GHz	8.5 GHz	9.0 GHz
-50	0.16	0.09	-0.01	0.00	0.17	0.04	0.12	0.49	-0.10
-49	0.15	0.09	0.00	0.00	0.17	0.04	0.11	0.48	-0.09
-48	0.15	0.10	0.01	0.00	0.17	0.03	0.11	0.47	-0.08
-47	0.14	0.11	0.02	0.00	0.17	0.03	0.10	0.45	-0.06
-46	0.13	0.12	0.03	0.00	0.17	0.03	0.09	0.44	-0.05
-45	0.13	0.13	0.04	0.00	0.17	0.03	0.09	0.43	-0.04
-44	0.13	0.13	0.03	-0.01	0.16	0.04	0.08	0.42	-0.04
-43	0.14	0.13	0.03	-0.02	0.15	0.05	0.08	0.40	-0.04
-42	0.14	0.13	0.02	-0.03	0.14	0.06	0.07	0.39	-0.04
-41	0.15	0.13	0.02	-0.04	0.13	0.07	0.07	0.37	-0.04
-40	0.15	0.13	0.02	-0.05	0.12	0.08	0.06	0.35	-0.04
-38	0.13	0.13	0.02	-0.03	0.12	0.09	0.07	0.34	-0.01
-36	0.10	0.13	0.03	-0.01	0.13	0.10	0.08	0.33	0.02
-34	0.09	0.16	0.06	0.01	0.15	0.10	0.11	0.32	0.06
-32	0.10	0.21	0.09	0.03	0.17	0.11	0.16	0.30	0.09
-30	0.10	0.25	0.12	0.04	0.19	0.11	0.21	0.29	0.13
-28	0.12	0.27	0.12	-0.02	0.18	0.09	0.19	0.24	0.10
-26	0.15	0.28	0.12	-0.08	0.16	0.06	0.17	0.19	0.07
-24	0.14	0.27	0.10	-0.11	0.15	0.05	0.17	0.14	0.08
-22	0.11	0.24	0.07	-0.10	0.16	0.06	0.17	0.07	0.11
-20	0.08	0.22	0.04	-0.08	0.16	0.07	0.18	0.01	0.15
-18	0.08	0.22	0.06	-0.07	0.09	0.04	0.16	0.02	0.12
-16	0.08	0.22	0.09	-0.06	0.02	0.01	0.15	0.02	0.09
-14	0.05	0.18	0.13	-0.04	-0.01	0.01	0.17	0.04	0.09
-12	0.00	0.10	0.18	-0.01	0.00	0.03	0.22	0.07	0.12
-10	-0.06	0.01	0.24	0.02	0.02	0.05	0.28	0.09	0.14
-8	-0.01	0.06	0.23	0.03	0.05	0.10	0.28	0.13	0.15
-6	0.04	0.10	0.22	0.04	0.09	0.16	0.29	0.17	0.16
-4	0.04	0.12	0.22	0.07	0.13	0.19	0.28	0.19	0.18
-2	-0.01	0.12	0.24	0.11	0.17	0.21	0.26	0.20	0.19
0	-0.06	0.12	0.26	0.14	0.22	0.23	0.25	0.21	0.21
+2	0.03	0.18	0.31	0.23	0.30	0.28	0.34	0.28	0.29
+4	0.13	0.25	0.36	0.33	0.39	0.33	0.43	0.36	0.37
+6	0.19	0.30	0.40	0.38	0.45	0.37	0.49	0.41	0.41
+8	0.23	0.33	0.43	0.40	0.49	0.42	0.51	0.43	0.41
+10	0.27	0.37	0.47	0.42	0.53	0.46	0.53	0.45	0.42
+11	0.31	0.39	0.49	0.43	0.54	0.45	0.54	0.46	0.42
+12	0.34	0.41	0.51	0.43	0.55	0.44	0.55	0.47	0.42
+13	0.38	0.43	0.53	0.44	0.55	0.44	0.56	0.49	0.42
+14	0.42	0.45	0.55	0.45	0.56	0.43	0.57	0.50	0.43
+15	0.45	0.47	0.57	0.45	0.57	0.42	0.58	0.51	0.43
+16	0.45	0.48	0.57	0.46	0.56	0.43	0.57	0.50	0.43
+17	0.44	0.48	0.56	0.46	0.56	0.43	0.57	0.50	0.43
+18	0.43	0.49	0.55	0.46	0.56	0.44	0.56	0.49	0.43
+19	0.42	0.49	0.54	0.46	0.56	0.45	0.56	0.49	0.43
+20	0.41	0.50	0.54	0.46	0.56	0.45	0.55	0.48	0.43

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
5000	-14.82	-16.75	-19.00	-14.10	-18.72	-37.81	-36.21	-42.41	-52.50	-32.85
5050	-15.46	-17.16	-19.47	-14.61	-19.08	-37.64	-37.06	-45.72	-57.83	-36.07
5100	-16.11	-17.57	-19.93	-15.12	-19.44	-37.47	-37.91	-49.02	-63.16	-39.29
5150	-15.50	-17.24	-19.76	-15.21	-19.47	-40.67	-37.97	-52.06	-64.59	-43.10
5200	-14.90	-16.90	-19.60	-15.30	-19.50	-43.87	-38.04	-55.10	-66.02	-46.90
5300	-15.86	-17.06	-19.09	-15.26	-19.18	-53.88	-39.37	-60.79	-70.26	-56.64
5400	-16.06	-16.34	-18.63	-15.33	-19.64	-54.19	-40.29	-59.86	-77.44	-62.95
5500	-13.64	-15.58	-18.09	-15.37	-20.05	-53.42	-39.84	-57.31	-72.04	-59.26
5600	-14.07	-15.71	-18.19	-15.44	-20.30	-52.32	-37.82	-54.97	-67.54	-57.06
5700	-11.45	-14.66	-17.91	-15.71	-20.72	-51.77	-37.77	-55.11	-68.79	-56.78
5800	-12.80	-16.16	-18.88	-16.50	-21.60	-52.13	-39.84	-61.02	-66.80	-56.66
5900	-15.21	-17.55	-19.23	-16.14	-20.20	-50.25	-36.93	-54.02	-64.47	-55.14
6000	-19.65	-20.11	-20.16	-16.34	-20.05	-51.18	-37.19	-57.21	-61.48	-55.22
6100	-16.23	-17.86	-19.34	-15.97	-19.95	-53.39	-39.77	-57.53	-59.91	-54.85
6200	-19.96	-18.41	-19.10	-15.82	-19.81	-50.94	-36.52	-55.37	-60.31	-54.62
6300	-15.68	-17.32	-18.68	-15.96	-20.13	-47.89	-37.63	-55.47	-60.80	-54.54
6400	-13.72	-16.00	-18.26	-16.13	-20.51	-51.47	-37.96	-57.79	-61.30	-55.26
6500	-18.75	-18.32	-18.13	-16.26	-20.58	-52.37	-35.32	-57.57	-60.69	-54.59
6600	-18.50	-17.85	-17.92	-16.76	-20.86	-54.13	-38.79	-59.21	-56.73	-53.68
6700	-15.61	-16.43	-17.01	-16.30	-20.28	-52.74	-41.85	-58.46	-72.09	-53.74
6800	-13.90	-15.44	-16.64	-16.32	-20.75	-50.82	-40.03	-56.50	-62.11	-54.52
6900	-13.48	-15.21	-15.91	-16.05	-20.42	-50.54	-37.52	-53.57	-66.01	-55.24
7000	-16.43	-15.93	-15.99	-16.32	-20.50	-50.84	-35.56	-57.70	-66.14	-55.92
7100	-14.47	-17.10	-19.70	-20.99	-24.90	-50.43	-35.70	-57.35	-69.34	-57.34
7200	-14.43	-17.61	-19.44	-20.48	-25.04	-47.46	-34.68	-53.92	-69.36	-60.86
7300	-19.37	-22.42	-20.90	-21.40	-26.31	-50.12	-32.66	-55.30	-71.60	-61.23
7400	-26.80	-25.19	-24.20	-24.76	-30.27	-49.77	-36.78	-57.82	-70.89	-64.83
7500	-28.21	-30.56	-29.55	-28.38	-36.18	-47.27	-39.46	-55.80	-71.06	-67.72
7600	-46.39	-36.20	-33.63	-32.08	-40.69	-46.28	-35.41	-58.94	-75.34	-75.84
7700	-28.33	-31.79	-37.65	-37.37	-46.57	-51.76	-34.00	-56.38	-75.14	-82.45
7800	-32.81	-38.54	-41.60	-42.16	-52.13	-45.74	-36.08	-53.14	-72.61	-82.15
7900	-38.52	-40.04	-50.41	-49.35	-58.02	-50.23	-35.83	-53.44	-74.34	-83.22
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
8750	-48.85	-40.23	-52.35	-51.60	-63.99	-43.93	-32.09	-50.59	-71.35	-88.61
8800	-44.14	-38.70	-52.95	-51.51	-63.71	-42.33	-31.87	-48.30	-69.91	-86.85
8850	-44.79	-38.63	-51.14	-51.60	-63.04	--	--	--	--	--
8900	-45.43	-38.56	-49.32	-51.70	-62.37	--	--	--	--	--
8950	-44.81	-38.78	-49.76	-51.45	-61.78	--	--	--	--	--
9000	-44.20	-39.01	-50.20	-51.20	-61.20	--	--	--	--	--

Signal Generator

SSG-5N9G-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
5000	-97.91	-108.99	-116.54	-124.28	-134.96
5050	-97.67	-108.96	-116.39	-124.60	-134.99
5100	-97.43	-108.92	-116.24	-124.91	-135.02
5150	-97.46	-108.82	-116.22	-124.68	-134.98
5200	-97.48	-108.72	-116.20	-124.44	-134.93
5300	-97.89	-108.33	-116.06	-123.09	-135.58
5400	-97.15	-108.37	-115.67	-125.16	-135.38
5500	-97.18	-108.00	-115.66	-124.14	-135.75
5600	-97.19	-107.90	-115.52	-124.22	-135.45
5700	-96.82	-107.72	-115.32	-122.07	-135.98
5800	-96.80	-107.60	-115.38	-122.52	-136.09
5900	-96.66	-107.62	-115.15	-121.24	-135.70
6000	-96.71	-107.38	-115.02	-119.94	-135.34
6100	-96.04	-106.98	-114.98	-120.06	-135.91
6200	-95.97	-107.39	-115.16	-120.13	-135.85
6300	-95.95	-107.15	-114.61	-118.22	-135.76
6400	-95.69	-107.01	-115.02	-118.59	-135.32
6500	-95.65	-106.84	-114.58	-118.79	-136.11
6600	-95.50	-106.80	-114.46	-118.53	-136.18
6700	-95.52	-106.68	-114.25	-119.44	-135.90
6800	-95.24	-106.31	-114.08	-119.55	-136.01
6900	-95.49	-106.31	-113.50	-119.50	-135.75
7000	-95.18	-106.01	-113.76	-120.09	-135.92
7100	-94.67	-105.93	-113.81	-119.36	-135.54
7200	-95.17	-105.85	-113.63	-118.70	-135.82
7300	-94.77	-105.63	-113.30	-118.82	-135.36
7400	-94.67	-105.51	-113.34	-116.95	-135.88
7500	-94.51	-105.53	-112.91	-123.08	-135.90
7600	-94.45	-105.57	-113.11	-121.77	-136.55
7700	-94.41	-105.37	-112.56	-121.66	-136.49
7800	-94.34	-105.33	-112.90	-121.53	-135.58
7900	-94.43	-104.97	-112.69	-120.22	-135.87
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
8750	-93.12	-104.14	-111.45	-120.62	-135.73
8800	-92.76	-104.06	-111.41	-120.09	-135.48
8850	-93.03	-103.97	-111.36	-120.48	-135.39
8900	-93.29	-103.88	-111.31	-120.86	-135.30
8950	-93.15	-103.86	-111.33	-120.01	-135.45
9000	-93.00	-103.83	-111.35	-119.15	-135.59

Freq. (MHz)	Power (dBM) Max
5000	24.37
5050	24.46
5100	24.55
5150	24.59
5200	24.63
5300	24.48
5400	24.22
5500	24.13
5600	23.87
5700	23.53
5800	23.38
5900	23.21
6000	23.03
6100	23.00
6200	22.95
6300	22.92
6400	23.05
6500	23.22
6600	23.43
6700	23.77
6800	23.99
6900	24.01
7000	24.06
7100	24.20
7200	24.18
7300	24.19
7400	24.20
7500	24.22
7600	23.99
7700	23.78
7800	23.61
7900	23.52
8000	23.41
8100	23.37
8200	23.35
8300	23.19
8400	23.09
8500	23.10
8600	23.05
8700	22.99
8750	23.04
8800	23.09
8850	23.12
8900	23.15
8950	23.16
9000	23.17

Signal Generator

SSG-5N9G-RC

Typical Performance Data

Test Conditions: @ Temperature = 50°C.

Freq. Offsets (kHz)	Phase Noise vs. Offset Frequency (dBc / Hz)				
	5.0 GHz	6.0 GHz	7.0 GHz	8.0 GHz	9.0 GHz
1	-97.91	-96.71	-95.18	-94.19	-93.00
10	-108.99	-107.38	-106.01	-105.13	-103.83
100	-116.54	-115.02	-113.76	-112.99	-111.35
1000	-124.28	-119.94	-120.09	-120.05	-119.15
10000	-134.96	-135.34	-135.92	-136.11	-135.59

Freq. (MHz)	Spurious (dBc)
5000	-66.32
5050	-66.48
5100	-66.64
5150	-66.80
5200	-66.96
5300	-67.00
5400	-66.76
5500	-66.52
5600	-66.69
5700	-66.86
5800	-66.82
5900	-66.57
6000	-66.31
6100	-66.20
6200	-66.09
6300	-66.45
6400	-67.27
6500	-68.09
6600	-67.62
6700	-67.15
6800	-67.07
6900	-67.40
7000	-67.74
7100	-67.20
7200	-66.66
7300	-66.30
7400	-66.11
7500	-65.92
7600	-66.13
7700	-66.34
7800	-66.40
7900	-66.33
8000	-66.25
8100	-66.58
8200	-66.90
8300	-66.76
8400	-66.16
8500	-65.55
8600	-65.67
8700	-65.80
8750	-65.86
8800	-66.00
8850	-66.15
8900	-66.30
8950	-66.44
9000	-66.59

Note: Spurious was measured in offsets of 100 kHz to 150 MHz.