Signal Generator

SSG-9G-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
10	-0.44	-0.38	-0.48	-0.35	-0.29	-0.05	-1.18	-0.55	-0.30	0.00
50	-0.74	-0.49	-0.53	-0.35	-0.32	-0.20	-0.81	-0.67	-0.11	-0.08
100	-0.72	-0.54	-0.59	-0.43	-0.31	-0.15	-0.82	-0.43	-0.22	-0.12
200	-0.67	-0.58	-0.56	-0.48	-0.25	-0.08	-0.76	-0.38	-0.31	-0.15
400	-0.63	-0.49	-0.45	-0.36	-0.17	0.06	-0.64	-0.24	-0.18	-0.12
600	-0.50	-0.34	-0.36	-0.34	-0.13	0.04	-0.55	-0.19	-0.06	-0.01
800	-0.76	-0.69	-0.67	-0.58	-0.48	-0.31	-0.85	-0.56	-0.40	-0.29
1000	-0.61	-0.51	-0.52	-0.43	-0.31	0.00	-0.53	-0.27	-0.11	0.02
1200	-0.61	-0.57	-0.59	-0.57	-0.43	0.01	-0.60	-0.45	-0.23	-0.13
1400	-0.64	-0.59	-0.54	-0.41	-0.30	-0.62	-0.58	-0.32	-0.18	-0.05
1600	-0.56	-0.52	-0.44	-0.40	-0.25	-0.02	-0.49	-0.29	-0.14	-0.02
1800	-0.73	-0.68	-0.64	-0.60	-0.42	-0.13	-0.65	-0.45	-0.31	-0.16
2000	-0.53	-0.56	-0.48	-0.37	-0.14	0.03	-0.46	-0.43	-0.16	-0.10
2200	-0.45	-0.54	-0.63	-0.52	-0.30	-0.07	-0.52	-0.43	-0.20	-0.16
2400	-0.42	-0.61	-0.66	-0.57	-0.41	-0.18	-0.44	-0.38	-0.18	-0.16
2600	-0.52	-0.54	-0.55	-0.53	-0.36	-0.12	-0.46	-0.36	-0.17	-0.15
2800	-0.53	-0.53	-0.55	-0.51	-0.35	-0.12	-0.47	-0.33	-0.13	-0.14
3000	-0.54	-0.53	-0.54	-0.45	-0.31	-0.05	-0.43	-0.19	0.03	-0.04
3250	-0.59	-0.63	-0.58	-0.62	-0.41	0.01	-0.63	-0.34	-0.08	-0.09
3500	-0.67	-0.58	-0.59	-0.54	-0.42	-0.02	-0.62	-0.32	-0.17	-0.13
3750	-0.54	-0.45	-0.44	-0.41	-0.34	0.00	-0.38	-0.06	0.04	0.09
4000	-0.44	-0.49	-0.55	-0.51	-0.35	0.04	-0.29	-0.07	0.00	0.12
4250	-0.66	-0.60	-0.57	-0.41	-0.33	-0.05	-0.37	-0.17	-0.09	-0.02
4500	-0.77	-0.72	-0.65	-0.60	-0.46	-0.13	-0.33	-0.14	-0.09	-0.05
4750	-0.52	-0.55	-0.50	-0.49	-0.41	-0.02	-0.37	-0.05	-0.02	0.00
5000	-0.63	-0.65	-0.57	-0.48	-0.40	-0.09	-0.39	-0.18	-0.17	-0.09
5200	-0.60	-0.59	-0.52	-0.46	-0.35	-0.03	-0.30	-0.07	0.06	0.10
5400	-0.52	-0.54	-0.54	-0.47	-0.37	-0.14	-0.41	-0.23	-0.02	0.04
5600	-0.53	-0.57	-0.58	-0.42	-0.22	0.00	-0.32	-0.18	0.06	0.09
5800	-0.54	-0.55	-0.58	-0.53	-0.33	-0.04	-0.24	-0.05	0.15	0.12
6000	-0.60	-0.58	-0.63	-0.42	-0.27	-0.01	-0.36	-0.09	0.04	0.04
6200	-0.26	-0.32	-0.40	-0.33	-0.16	0.01	-0.31	-0.10	0.00	0.01
6400	-0.94	-0.82	-0.79	-0.71	-0.48	-0.31	-0.35	-0.11	-0.07	-0.01
6600	-0.82	-0.82	-0.79	-0.57	-0.43	-0.26	-0.39	-0.21	-0.10	-0.05
6800	-0.85	-0.67	-0.57	-0.43	-0.28	-0.07	-0.36	-0.15	0.01	0.02
7000	-0.36	-0.50	-0.59	-0.54	-0.34	-0.30	-0.46	-0.24	-0.05	0.02
7200	-0.75	-0.70	-0.73	-0.65	-0.50	-0.34	-0.41	-0.30	-0.06	0.01
7400	0.00	-0.13	-0.08	-0.08	0.11	-0.35	-0.23	-0.17	-0.05	0.00
7600	-0.74	-0.68	-0.63	-0.48	-0.29	-0.40	-0.41	-0.24	-0.07	-0.04
7800	-1.10	-0.88	-0.74	-0.51	-0.28	-0.40	-0.38	-0.11	-0.11	0.01
8000	-0.67	-0.72	-0.74	-0.68	-0.48	-0.45	-0.33	-0.17	-0.12	0.00
8200	-0.73	-0.71	-0.67	-0.44	-0.32	-0.53	-0.44	-0.28	-0.20	-0.09
8400	-0.36	-0.41	-0.39	-0.35	-0.23	-0.40	-0.45	-0.21	-0.15	-0.05
8600	-0.36	-0.41	-0.41	-0.31	-0.14	-0.39	-0.33	-0.12	-0.12	0.00
8800	-0.34	-0.36	-0.37	-0.21	-0.13	-0.26	-0.17	-0.01	0.01	0.09
9000	-0.50	-0.50	-0.44	-0.29	-0.14	-0.32	-0.30	-0.13	0.02	0.09

Signal Generator

Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Power (dBm)	Power deviation from nominal vs. Output Power (dB)									
	500 MHz	1000 MHz	2000 MHz	3000 MHz	4000 MHz	5000 MHz	6000 MHz	7000 MHz	8000 MHz	9000 MHz
-50	-0.36	-0.55	-0.50	-0.61	-0.35	-0.84	-0.60	-0.09	-0.57	-0.38
-49	-0.31	-0.54	-0.49	-0.61	-0.37	-0.84	-0.60	-0.13	-0.59	-0.39
-48	-0.25	-0.52	-0.48	-0.60	-0.38	-0.84	-0.60	-0.17	-0.61	-0.40
-47	-0.20	-0.50	-0.47	-0.60	-0.39	-0.84	-0.59	-0.21	-0.63	-0.41
-46	-0.14	-0.48	-0.46	-0.60	-0.40	-0.84	-0.59	-0.25	-0.65	-0.42
-45	-0.08	-0.46	-0.45	-0.60	-0.41	-0.84	-0.59	-0.29	-0.67	-0.43
-44	-0.08	-0.46	-0.44	-0.59	-0.42	-0.82	-0.59	-0.32	-0.67	-0.43
-43	-0.08	-0.46	-0.43	-0.59	-0.43	-0.80	-0.60	-0.35	-0.68	-0.42
-42	-0.08	-0.45	-0.42	-0.58	-0.45	-0.77	-0.61	-0.39	-0.68	-0.41
-41	-0.08	-0.45	-0.41	-0.57	-0.46	-0.75	-0.61	-0.42	-0.68	-0.40
-40	-0.08	-0.45	-0.40	-0.56	-0.47	-0.73	-0.62	-0.45	-0.69	-0.39
-38	-0.08	-0.42	-0.36	-0.52	-0.47	-0.72	-0.54	-0.45	-0.68	-0.35
-36	-0.08	-0.40	-0.32	-0.47	-0.46	-0.71	-0.46	-0.45	-0.67	-0.30
-34	-0.08	-0.39	-0.30	-0.44	-0.45	-0.70	-0.42	-0.44	-0.67	-0.27
-32	-0.08	-0.38	-0.30	-0.43	-0.44	-0.67	-0.43	-0.43	-0.69	-0.26
-30	-0.09	-0.36	-0.30	-0.42	-0.43	-0.65	-0.45	-0.43	-0.72	-0.25
-28	-0.05	-0.35	-0.25	-0.40	-0.39	-0.62	-0.41	-0.38	-0.68	-0.24
-26	-0.01	-0.34	-0.19	-0.39	-0.34	-0.60	-0.37	-0.33	-0.65	-0.23
-24	0.03	-0.33	-0.16	-0.36	-0.31	-0.59	-0.35	-0.30	-0.62	-0.21
-22	0.07	-0.32	-0.13	-0.33	-0.28	-0.59	-0.33	-0.27	-0.59	-0.17
-20	0.11	-0.31	-0.11	-0.30	-0.25	-0.59	-0.31	-0.25	-0.55	-0.13
-18	0.14	-0.29	-0.09	-0.26	-0.21	-0.55	-0.26	-0.20	-0.45	-0.08
-16	0.17	-0.27	-0.06	-0.22	-0.16	-0.50	-0.21	-0.15	-0.35	-0.02
-14	0.25	-0.22	-0.02	-0.17	-0.08	-0.43	-0.15	-0.11	-0.33	-0.07
-12	0.37	-0.15	0.04	-0.12	0.03	-0.33	-0.09	-0.08	-0.39	-0.22
-10	0.50	-0.07	0.10	-0.06	0.14	-0.24	-0.03	-0.05	-0.45	-0.37
-8	0.17	0.00	-0.09	-0.19	0.00	-0.39	-0.16	-0.15	-0.43	-0.36
-6	-0.16	0.07	-0.28	-0.33	-0.13	-0.54	-0.29	-0.26	-0.41	-0.35
-4	-0.32	-0.03	-0.37	-0.40	-0.20	-0.61	-0.36	-0.30	-0.38	-0.35
-2	-0.31	-0.29	-0.37	-0.40	-0.20	-0.61	-0.36	-0.28	-0.34	-0.34
0	-0.30	-0.56	-0.36	-0.41	-0.20	-0.60	-0.35	-0.27	-0.30	-0.33
+2	-0.28	-0.54	-0.34	-0.35	-0.16	-0.57	-0.31	-0.24	-0.30	-0.30
+4	-0.26	-0.52	-0.31	-0.30	-0.12	-0.54	-0.27	-0.21	-0.31	-0.28
+6	-0.18	-0.47	-0.31	-0.26	-0.08	-0.49	-0.22	-0.17	-0.28	-0.25
+8	-0.04	-0.38	-0.32	-0.25	-0.03	-0.43	-0.15	-0.10	-0.21	-0.21
+10	0.09	-0.29	-0.33	-0.23	0.02	-0.37	-0.08	-0.04	-0.14	-0.17
+11	0.11	-0.26	-0.28	-0.19	0.03	-0.36	-0.05	-0.01	-0.13	-0.14
+12	0.12	-0.23	-0.23	-0.14	0.05	-0.36	-0.02	0.03	-0.13	-0.12
+13	0.14	-0.20	-0.18	-0.10	0.06	-0.36	0.00	0.06	-0.13	-0.09
+14	0.16	-0.17	-0.13	-0.05	0.08	-0.36	0.03	0.09	-0.12	-0.07
+15	0.17	-0.14	-0.08	-0.01	0.09	-0.36	0.06	0.12	-0.12	-0.04
+16	0.18	-0.11	-0.07	-0.01	0.11	-0.33	0.06	0.12	-0.09	-0.02
+17	0.19	-0.08	-0.06	-0.02	0.13	-0.31	0.05	0.12	-0.06	0.00
+18	0.20	-0.04	-0.05	-0.03	0.16	-0.28	0.05	0.12	-0.04	0.03
+19	0.21	-0.01	-0.03	-0.04	0.18	-0.26	0.05	0.12	-0.01	0.05
+20	0.22	0.02	-0.02	-0.04	0.20	-0.23	0.04	0.12	0.02	0.08

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
10	-38.97	-48.69	-41.78	-1.98	-10.41	-8.84	-8.54	-8.56	-6.95	-11.71
50	-43.15	-46.92	-51.99	-11.20	-18.37	-11.72	-12.28	-11.79	-12.14	-11.68
100	-44.92	-47.53	-50.20	-10.11	-16.86	-11.22	-12.35	-12.04	-12.42	-12.60
200	-35.54	-42.49	-45.00	-10.33	-15.28	-10.78	-12.50	-12.28	-13.21	-14.01
400	-34.24	-41.07	-37.11	-17.45	-14.62	-7.78	-9.81	-10.86	-9.93	-11.95
600	-30.74	-31.91	-33.16	-21.07	-15.49	-10.30	-11.11	-12.48	-10.11	-13.23
800	-25.67	-25.98	-27.45	-16.32	-13.37	-9.54	-9.73	-11.12	-8.76	-11.61
1000	-24.23	-23.85	-24.35	-17.00	-13.90	-10.33	-10.08	-11.08	-9.78	-11.90
1200	-25.25	-21.75	-20.76	-20.36	-14.94	-11.51	-9.97	-9.23	-13.44	-11.25
1400	-8.76	-7.95	-6.83	-7.22	-7.86	-16.71	-16.58	-16.06	-22.05	-20.49
1600	-7.06	-7.34	-7.13	-9.28	-8.62	-16.05	-16.27	-16.54	-24.76	-19.02
1800	-6.48	-6.93	-7.04	-11.48	-9.36	-15.72	-16.63	-17.54	-19.19	-16.84
2000	-11.92	-13.25	-14.03	-14.81	-16.81	-10.34	-11.44	-12.46	-14.12	-12.01
2200	-12.30	-12.84	-13.46	-15.78	-17.21	-12.91	-13.46	-14.16	-14.56	-12.20
2400	-13.20	-13.31	-13.94	-17.58	-17.27	-11.60	-13.98	-15.80	-14.83	-12.50
2600	-13.42	-14.00	-14.98	-20.84	-16.54	-14.92	-16.05	-16.89	-14.28	-12.73
2800	-13.75	-14.96	-16.04	-22.64	-15.55	-15.05	-16.89	-18.37	-14.66	-13.26
3000	-14.48	-15.82	-16.83	-20.95	-15.10	-18.25	-19.01	-20.17	-15.06	-13.26
3250	-17.03	-16.34	-17.39	-21.44	-15.41	-19.65	-22.24	-23.57	-16.42	-13.36
3500	-14.90	-15.89	-17.01	-22.24	-15.74	-23.00	-25.74	-27.27	-17.28	-13.33
3750	-13.31	-14.89	-15.96	-19.14	-17.55	-27.80	-28.54	-29.59	-17.58	-12.44
4000	-20.10	-18.52	-16.20	-17.42	-18.45	-22.71	-27.65	-31.67	-20.11	-12.82
4250	-12.53	-14.34	-15.82	-18.50	-18.87	-32.69	-35.12	-34.39	-20.66	-12.23
4500	-15.62	-16.01	-16.48	-21.78	-18.81	-24.34	-28.91	-31.68	-18.32	-11.35
4750	-10.22	-13.60	-16.48	-24.06	-18.31	-19.93	-22.46	-25.50	-15.08	-11.21
5000	-16.54	-17.83	-19.30	-21.31	-17.07	-25.12	-25.56	-27.03	-19.52	-12.18
5200	-14.55	-15.84	-17.68	-22.00	-18.07	-22.03	-23.76	-25.59	-18.93	-12.43
5400	-16.84	-15.50	-15.92	-19.89	-17.88	-26.17	-25.05	-25.04	-19.45	-12.56
5600	-18.51	-15.43	-15.34	-18.84	-17.97	-21.13	-21.26	-20.70	-20.71	-12.56
5800	-12.57	-14.80	-16.34	-19.10	-19.11	-32.67	-30.79	-32.74	-22.19	-12.76
6000	-7.73	-13.20	-17.60	-19.24	-19.11	-24.92	-32.67	-34.06	-22.74	-12.88
6200	-14.16	-17.65	-18.76	-19.76	-19.10	-26.40	-33.27	-32.83	-23.43	-13.01
6400	-23.39	-21.43	-20.23	-19.67	-17.96	-34.72	-35.43	-35.34	-24.97	-13.89
6600	-24.84	-22.22	-21.36	-20.34	-17.04	-28.50	-33.05	-38.15	-24.78	-14.22
6800	-14.13	-18.31	-20.72	-19.64	-16.50	-41.00	-39.77	-43.05	-25.07	-15.09
7000	-15.10	-16.82	-18.20	-18.13	-15.39	-38.50	-38.76	-44.77	-26.11	-16.07
7200	-10.14	-13.39	-15.88	-15.75	-14.83	-32.25	-39.47	-44.30	-25.55	-16.39
7400	-15.42	-18.12	-18.50	-19.56	-16.09	-31.44	-35.48	-43.45	-26.96	-17.16
7600	-16.67	-15.62	-15.40	-19.92	-15.01	-31.42	-37.75	-45.09	-27.25	-17.75
7800	-10.62	-12.64	-13.44	-20.47	-14.83	-20.76	-33.63	-40.71	-28.19	-17.94
8000	-12.24	-13.45	-13.07	-20.11	-14.90	-30.20	-33.97	-43.68	-29.83	-19.02
8200	-16.55	-13.72	-11.32	-20.24	-14.76	-38.52	-34.40	-52.40	-29.25	-19.22
8400	-10.79	-8.48	-6.05	-21.47	-14.90	-30.75	-31.86	-50.48	-30.45	-19.52
8600	-18.39	-20.87	-14.65	-23.04	-15.30	-30.97	-33.10	-57.01	-33.39	-19.91
8800	-15.24	-19.45	-19.77	-24.40	-15.79	--	--	--	--	--
9000	-12.64	-18.54	-19.12	-26.34	-16.55	--	--	--	--	--

Signal Generator

SSG-9G-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	-118.67	-125.33	-130.68	-133.71
50	-123.44	-130.07	-135.46	-137.13
100	-124.38	-130.75	-135.67	-138.17
200	-124.87	-130.92	-136.13	-139.21
400	-122.20	-130.68	-136.46	-139.40
600	-119.71	-129.02	-134.20	-138.50
800	-119.26	-127.18	-132.81	-139.57
1000	-116.44	-126.50	-131.44	-137.19
1200	-114.91	-124.73	-129.94	-135.41
1400	-113.65	-124.05	-129.05	-135.71
1600	-112.42	-122.99	-127.94	-133.94
1800	-113.07	-121.72	-126.79	-132.32
2000	-110.67	-121.17	-126.36	-132.67
2200	-109.80	-120.24	-125.14	-131.80
2400	-108.45	-119.83	-124.18	-130.74
2600	-108.79	-118.66	-123.25	-130.07
2800	-106.78	-117.70	-122.99	-130.09
3000	-108.08	-117.42	-122.56	-126.06
3250	-107.39	-116.72	-121.76	-123.71
3500	-107.13	-116.37	-121.15	-124.99
3750	-104.94	-115.30	-120.13	-123.16
4000	-104.97	-115.44	-120.50	-126.52
4250	-105.56	-114.99	-119.58	-124.19
4500	-104.10	-113.91	-118.91	-126.93
4750	-104.32	-113.27	-118.09	-125.36
5000	-103.06	-113.24	-117.88	-125.73
5200	-101.65	-112.54	-117.58	-125.19
5400	-101.35	-112.60	-117.05	-123.92
5600	-101.96	-111.88	-116.70	-123.27
5800	-101.21	-112.13	-116.86	-121.56
6000	-101.20	-111.43	-116.54	-120.85
6200	-100.58	-110.77	-116.38	-118.20
6400	-100.50	-111.06	-115.90	-117.85
6600	-100.54	-110.15	-115.27	-119.80
6800	-99.71	-110.62	-115.61	-118.67
7000	-101.15	-109.97	-115.28	-117.93
7200	-98.92	-109.71	-114.83	-118.33
7400	-99.11	-109.32	-114.40	-116.84
7600	-99.88	-109.85	-114.23	-122.19
7800	-101.33	-109.21	-113.98	-121.90
8000	-97.63	-108.81	-114.56	-120.21
8200	-98.81	-108.71	-113.85	-120.12
8400	-99.92	-108.19	-113.48	-120.35
8600	-97.34	-108.63	-112.91	-121.67
8800	-97.19	-108.31	-112.88	-120.40
9000	-96.93	-108.41	-112.70	-120.38

Freq. (MHz)	Power (dBM) Max
10	23.99
50	24.06
100	23.96
200	23.79
400	22.88
600	23.52
800	22.52
1000	22.94
1200	23.05
1400	21.83
1600	21.92
1800	22.01
2000	23.17
2200	23.09
2400	23.11
2600	22.96
2800	22.77
3000	22.71
3250	22.67
3500	22.54
3750	22.47
4000	22.61
4250	22.36
4500	22.25
4750	22.24
5000	21.95
5200	22.13
5400	22.00
5600	21.96
5800	21.93
6000	21.90
6200	21.90
6400	21.78
6600	21.66
6800	21.86
7000	21.93
7200	21.91
7400	21.96
7600	21.93
7800	22.03
8000	22.07
8200	21.85
8400	21.93
8600	21.96
8800	21.86
9000	21.70

Signal Generator

SSG-9G-RC

Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Freq. Offsets (kHz)	Phase Noise vs. Offset Frequency (dBc / Hz)				
	1000 MHz	3000 MHz	5000 MHz	7000 MHz	9000 MHz
1	-116.44	-108.08	-103.06	-101.15	-96.93
10	-126.50	-117.42	-113.24	-109.97	-108.41
100	-131.44	-122.56	-117.88	-115.28	-112.70
1000	-137.19	-126.06	-125.73	-117.93	-120.38

Freq. (MHz)	Spurious (dBc)	
	Far	Near
10	-69.78	-79.36
50	-69.20	-77.74
100	-68.90	-78.88
200	-69.01	-79.42
400	-67.90	-77.81
600	-68.31	-76.77
800	-68.49	-77.73
1000	-69.06	-77.81
1200	-69.17	-78.28
1400	-67.99	-78.63
1600	-68.49	-77.55
1800	-67.84	-76.35
2000	-68.16	-76.96
2200	-66.58	-76.24
2400	-67.19	-77.67
2600	-66.36	-75.19
2800	-66.59	-77.01
3000	-66.76	-77.28
3250	-67.02	-77.64
3500	-66.41	-75.19
3750	-65.50	-73.87
4000	-67.29	-73.10
4250	-66.61	-72.59
4500	-66.76	-71.70
4750	-66.04	-72.79
5000	-67.03	-72.91
5200	-66.70	-71.19
5400	-65.98	-71.90
5600	-66.64	-70.68
5800	-65.80	-71.75
6000	-66.00	-70.21
6200	-66.18	-70.47
6400	-66.14	-72.35
6600	-65.77	-71.53
6800	-66.73	-72.39
7000	-66.71	-71.27
7200	-66.25	-71.27
7400	-66.81	-70.87
7600	-66.96	-71.06
7800	-66.10	-70.56
8000	-67.13	-71.79
8200	-66.46	-71.28
8400	-66.00	-69.86
8600	-67.06	-70.44
8800	-67.07	-70.90
9000	-67.33	-69.71

Note: Spurious was measured in Close offsets of 1 kHz to 100 kHz and Far offsets of 100 kHz to 150 MHz.

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
10	-0.11	0.07	0.00	-0.05	0.05	0.01	-0.19	0.00	0.32	0.00
50	-0.27	-0.66	-0.08	0.04	-0.68	-0.67	0.09	0.01	0.28	0.00
100	-0.18	-0.38	-0.08	-0.01	-0.31	-0.27	0.06	0.14	0.27	-0.01
200	-0.12	-0.12	-0.10	-0.05	0.03	0.12	0.01	0.29	0.21	-0.02
400	-0.14	0.01	-0.04	0.05	0.19	0.21	0.06	0.21	0.24	0.09
600	-0.06	0.06	0.03	0.06	0.16	0.33	0.07	0.26	0.35	0.21
800	-0.27	-0.26	-0.20	-0.17	-0.07	0.17	-0.20	-0.02	0.02	-0.12
1000	-0.13	-0.11	-0.03	-0.06	0.10	0.42	-0.02	0.31	0.37	0.10
1200	-0.20	-0.17	-0.17	-0.23	-0.11	0.22	-0.07	0.14	0.15	0.00
1400	-0.19	-0.13	-0.08	-0.10	-0.03	-0.03	-0.02	0.14	0.19	0.03
1600	-0.11	-0.09	-0.01	-0.06	0.04	0.09	0.06	0.20	0.27	0.08
1800	-0.26	-0.21	-0.16	-0.17	-0.12	0.00	-0.10	-0.02	0.10	-0.06
2000	-0.03	-0.05	-0.02	0.01	0.10	0.13	0.01	0.19	0.19	0.09
2200	-0.14	-0.15	-0.15	-0.11	0.01	0.04	-0.01	0.19	0.14	0.02
2400	-0.13	-0.16	-0.19	-0.19	-0.06	0.05	-0.02	0.18	0.11	0.02
2600	-0.10	-0.11	-0.11	-0.19	-0.06	0.11	-0.04	0.19	0.13	0.02
2800	-0.14	-0.09	-0.09	-0.10	-0.01	0.11	0.04	0.19	0.13	0.00
3000	-0.12	-0.06	-0.06	-0.10	-0.02	0.19	0.09	0.29	0.18	0.10
3250	-0.13	-0.14	-0.16	-0.25	-0.09	0.20	-0.07	0.13	0.05	0.07
3500	-0.20	-0.12	-0.10	-0.15	0.00	0.17	-0.05	0.08	0.05	-0.01
3750	-0.24	-0.18	-0.11	-0.13	-0.01	0.04	0.03	0.15	0.20	0.10
4000	-0.09	-0.10	-0.08	-0.15	-0.03	0.11	0.11	0.20	0.23	0.14
4250	-0.18	-0.16	-0.11	-0.11	0.02	0.07	0.05	0.09	0.15	0.04
4500	-0.27	-0.26	-0.23	-0.27	-0.16	-0.01	0.04	0.11	0.15	0.03
4750	-0.11	-0.13	-0.12	-0.14	-0.05	0.06	0.02	0.08	0.20	0.05
5000	-0.21	-0.21	-0.18	-0.20	-0.08	0.06	0.01	0.05	0.07	-0.05
5200	-0.20	-0.21	-0.14	-0.21	-0.05	0.11	0.09	0.21	0.19	0.06
5400	-0.16	-0.16	-0.11	-0.22	-0.08	0.00	-0.01	0.15	0.09	0.04
5600	-0.21	-0.19	-0.11	-0.11	0.01	0.08	0.04	0.21	0.13	0.12
5800	-0.08	-0.10	0.00	-0.09	0.02	0.04	0.12	0.27	0.24	0.11
6000	-0.18	-0.20	-0.10	-0.16	-0.02	0.02	0.05	0.15	0.23	0.09
6200	-0.11	-0.12	-0.06	-0.13	-0.04	0.01	0.02	0.07	0.18	0.06
6400	-0.34	-0.25	-0.22	-0.29	-0.20	0.03	0.05	0.10	0.16	0.03
6600	-0.26	-0.21	-0.24	-0.24	-0.15	0.02	-0.04	0.11	0.06	0.00
6800	-0.42	-0.26	-0.18	-0.22	-0.13	0.10	0.02	0.16	0.11	0.07
7000	-0.05	-0.14	-0.15	-0.19	-0.03	-0.01	-0.08	0.09	0.03	0.05
7200	-0.28	-0.30	-0.27	-0.31	-0.18	0.05	0.01	0.14	0.05	0.04
7400	0.09	0.09	0.11	0.07	0.25	0.00	0.03	0.16	0.07	0.03
7600	-0.18	-0.15	-0.16	-0.09	0.03	-0.06	-0.05	0.08	0.07	-0.02
7800	-0.36	-0.26	-0.23	-0.26	-0.05	-0.02	0.00	0.09	0.10	0.05
8000	-0.37	-0.34	-0.29	-0.38	-0.18	-0.02	-0.06	0.02	0.09	0.01
8200	-0.18	-0.23	-0.21	-0.21	-0.10	-0.06	-0.12	-0.02	0.03	-0.05
8400	-0.13	-0.12	-0.05	-0.21	-0.12	-0.03	-0.10	0.00	0.06	0.00
8600	0.05	0.00	0.01	-0.14	0.00	0.02	-0.02	0.11	0.09	0.06
8800	-0.04	-0.04	-0.01	-0.06	0.16	0.11	0.10	0.21	0.12	0.12
9000	-0.20	-0.13	-0.07	-0.10	0.20	0.09	0.07	0.21	0.11	0.09

Signal Generator

Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Power (dBm)	Power deviation from nominal vs. Output Power (dB)									
	500 MHz	1000 MHz	2000 MHz	3000 MHz	4000 MHz	5000 MHz	6000 MHz	7000 MHz	8000 MHz	9000 MHz
-50	-0.02	-0.09	0.04	-0.21	0.00	-0.34	-0.12	0.11	-0.29	-0.24
-49	0.03	-0.09	0.04	-0.18	0.00	-0.34	-0.12	0.09	-0.29	-0.22
-48	0.08	-0.08	0.04	-0.15	0.00	-0.34	-0.13	0.06	-0.29	-0.20
-47	0.12	-0.07	0.03	-0.13	0.00	-0.34	-0.14	0.03	-0.28	-0.18
-46	0.17	-0.07	0.03	-0.10	-0.01	-0.34	-0.15	0.01	-0.28	-0.16
-45	0.22	-0.06	0.03	-0.07	-0.01	-0.35	-0.16	-0.02	-0.27	-0.15
-44	0.20	-0.05	0.04	-0.07	-0.01	-0.34	-0.14	-0.03	-0.27	-0.13
-43	0.18	-0.03	0.04	-0.06	-0.01	-0.34	-0.12	-0.03	-0.28	-0.11
-42	0.16	-0.02	0.05	-0.05	0.00	-0.34	-0.10	-0.04	-0.28	-0.09
-41	0.15	-0.01	0.05	-0.05	0.00	-0.34	-0.07	-0.05	-0.28	-0.08
-40	0.13	0.01	0.06	-0.04	0.00	-0.34	-0.05	-0.06	-0.28	-0.06
-38	0.14	0.00	0.08	-0.02	0.00	-0.33	-0.02	-0.06	-0.28	-0.04
-36	0.15	-0.01	0.10	0.00	0.00	-0.32	0.01	-0.05	-0.27	-0.02
-34	0.16	-0.01	0.10	-0.01	-0.01	-0.32	-0.01	-0.06	-0.30	-0.02
-32	0.18	-0.01	0.09	-0.04	-0.04	-0.34	-0.08	-0.09	-0.37	-0.04
-30	0.20	-0.01	0.07	-0.07	-0.06	-0.36	-0.15	-0.12	-0.43	-0.05
-28	0.22	0.01	0.09	-0.04	-0.04	-0.35	-0.14	-0.11	-0.40	-0.04
-26	0.23	0.03	0.11	-0.02	-0.02	-0.35	-0.12	-0.09	-0.36	-0.02
-24	0.26	0.05	0.12	0.00	0.00	-0.32	-0.10	-0.06	-0.32	0.03
-22	0.28	0.07	0.14	0.00	0.03	-0.29	-0.06	-0.03	-0.28	0.13
-20	0.31	0.09	0.15	0.01	0.06	-0.25	-0.03	0.01	-0.23	0.22
-18	0.32	0.11	0.16	0.03	0.09	-0.25	-0.05	0.06	-0.21	0.13
-16	0.34	0.12	0.17	0.05	0.11	-0.24	-0.08	0.11	-0.18	0.04
-14	0.37	0.18	0.18	0.08	0.15	-0.21	-0.07	0.14	-0.15	0.00
-12	0.42	0.29	0.19	0.14	0.21	-0.15	-0.03	0.15	-0.11	0.02
-10	0.47	0.39	0.20	0.19	0.27	-0.09	0.00	0.15	-0.06	0.04
-8	0.38	0.32	0.16	0.14	0.25	-0.15	0.03	0.15	-0.06	0.04
-6	0.30	0.25	0.13	0.10	0.23	-0.21	0.05	0.15	-0.06	0.03
-4	0.25	0.17	0.11	0.08	0.22	-0.23	0.06	0.14	-0.06	0.03
-2	0.24	0.06	0.10	0.09	0.20	-0.21	0.05	0.12	-0.07	0.03
0	0.23	-0.05	0.09	0.10	0.19	-0.19	0.05	0.10	-0.07	0.04
+2	0.26	0.05	0.12	0.13	0.20	-0.17	0.07	0.14	-0.05	0.07
+4	0.29	0.14	0.14	0.17	0.20	-0.15	0.10	0.17	-0.03	0.09
+6	0.33	0.21	0.18	0.20	0.22	-0.14	0.12	0.20	-0.01	0.12
+8	0.40	0.25	0.22	0.25	0.26	-0.13	0.15	0.23	0.01	0.15
+10	0.47	0.29	0.26	0.29	0.29	-0.13	0.17	0.26	0.03	0.18
+11	0.47	0.30	0.27	0.27	0.30	-0.12	0.18	0.24	0.04	0.16
+12	0.48	0.31	0.27	0.25	0.30	-0.11	0.20	0.22	0.05	0.14
+13	0.49	0.33	0.27	0.23	0.31	-0.10	0.21	0.20	0.06	0.12
+14	0.50	0.34	0.27	0.21	0.32	-0.09	0.22	0.19	0.07	0.10
+15	0.51	0.36	0.27	0.19	0.33	-0.08	0.24	0.17	0.08	0.08
+16	0.46	0.30	0.25	0.17	0.31	-0.11	0.20	0.16	0.08	0.08
+17	0.42	0.25	0.23	0.15	0.29	-0.13	0.17	0.16	0.07	0.07
+18	0.38	0.20	0.21	0.13	0.28	-0.15	0.14	0.15	0.06	0.07
+19	0.33	0.15	0.19	0.11	0.26	-0.17	0.11	0.15	0.05	0.07
+20	0.29	0.10	0.16	0.09	0.24	-0.19	0.07	0.14	0.05	0.07

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
10	-44.20	-42.67	-41.48	-2.87	-10.82	-8.52	-8.43	-8.45	-7.37	-11.81
50	-46.01	-51.61	-52.57	-11.93	-18.61	-11.90	-12.36	-11.11	-12.16	-11.64
100	-45.57	-48.08	-50.20	-10.80	-17.16	-11.47	-12.42	-11.67	-12.64	-12.54
200	-35.68	-41.61	-45.14	-10.85	-15.57	-11.05	-12.59	-12.20	-13.54	-13.92
400	-34.45	-36.24	-36.60	-17.35	-14.86	-8.05	-9.93	-10.90	-10.26	-11.90
600	-29.16	-31.28	-32.50	-20.38	-15.73	-10.36	-11.10	-12.50	-10.22	-13.14
800	-25.37	-25.51	-27.12	-16.02	-13.64	-9.54	-9.82	-11.23	-8.91	-11.53
1000	-24.52	-22.90	-23.90	-16.77	-14.12	-10.32	-10.00	-11.15	-9.95	-11.84
1200	-23.56	-21.55	-20.51	-20.15	-15.17	-11.39	-9.95	-9.26	-13.51	-11.23
1400	-8.67	-7.96	-6.85	-7.59	-8.01	-16.47	-16.40	-15.84	-22.97	-20.05
1600	-7.22	-7.51	-7.19	-9.67	-8.75	-15.98	-16.34	-16.40	-24.42	-18.64
1800	-6.78	-7.08	-7.18	-11.73	-9.50	-15.50	-16.46	-17.45	-19.23	-16.61
2000	-11.94	-12.99	-13.66	-15.01	-17.11	-10.60	-11.67	-12.62	-14.26	-11.97
2200	-12.04	-12.73	-13.24	-16.08	-17.55	-13.33	-13.60	-14.34	-14.73	-12.14
2400	-12.97	-13.18	-13.80	-18.13	-17.58	-12.24	-14.48	-15.90	-15.02	-12.48
2600	-13.17	-13.82	-14.84	-21.40	-16.73	-15.64	-16.32	-17.03	-14.56	-12.77
2800	-13.66	-14.79	-15.75	-22.50	-15.88	-15.04	-16.86	-18.50	-14.94	-13.12
3000	-14.26	-15.36	-16.44	-20.69	-15.44	-18.97	-19.68	-20.63	-15.39	-13.17
3250	-15.96	-16.17	-16.97	-21.29	-15.72	-22.59	-23.65	-24.64	-16.85	-13.29
3500	-13.73	-15.09	-16.63	-22.04	-16.11	-25.07	-27.09	-28.52	-17.70	-13.25
3750	-13.51	-14.62	-15.79	-19.53	-17.86	-27.00	-29.89	-31.11	-18.03	-12.50
4000	-20.81	-17.43	-15.86	-17.85	-18.82	-25.57	-29.77	-32.74	-20.49	-12.85
4250	-13.27	-14.39	-15.62	-18.87	-19.21	-36.10	-36.70	-35.28	-21.11	-12.33
4500	-15.95	-15.95	-16.37	-21.97	-19.05	-26.34	-30.64	-32.46	-19.12	-11.52
4750	-10.56	-13.81	-16.65	-24.02	-18.19	-21.32	-24.55	-27.09	-16.38	-11.66
5000	-16.77	-17.78	-19.38	-21.39	-17.16	-26.43	-28.19	-27.81	-20.59	-12.40
5200	-14.81	-15.96	-17.77	-22.07	-18.13	-23.88	-25.87	-26.69	-19.94	-12.70
5400	-17.88	-16.02	-16.16	-20.15	-18.02	-27.75	-26.86	-26.19	-20.27	-12.75
5600	-16.64	-15.20	-15.80	-19.37	-18.13	-22.46	-22.96	-21.99	-21.44	-12.69
5800	-13.11	-15.54	-16.95	-19.63	-19.29	-32.92	-31.84	-33.37	-22.90	-12.88
6000	-9.23	-14.46	-18.20	-19.77	-19.29	-27.53	-31.93	-34.67	-23.45	-12.99
6200	-18.38	-19.59	-19.75	-20.47	-19.28	-38.21	-36.38	-33.91	-24.07	-13.12
6400	-24.32	-21.17	-20.81	-20.45	-18.15	-38.67	-40.49	-36.28	-25.72	-14.01
6600	-24.98	-23.15	-21.83	-21.01	-17.20	-32.52	-36.85	-38.33	-25.68	-14.27
6800	-16.08	-18.75	-20.68	-20.09	-16.68	-40.12	-42.87	-42.43	-26.08	-15.10
7000	-13.85	-16.12	-18.29	-18.38	-15.69	-43.34	-40.63	-44.51	-26.95	-16.06
7200	-11.59	-14.66	-16.14	-16.64	-15.08	-35.58	-42.28	-45.83	-26.36	-16.46
7400	-17.93	-18.83	-18.95	-20.63	-16.17	-35.17	-37.86	-45.22	-27.78	-17.23
7600	-16.37	-16.37	-16.29	-21.58	-15.08	-33.60	-34.31	-44.66	-28.20	-17.78
7800	-12.11	-14.03	-14.53	-22.18	-14.90	-25.12	-30.51	-41.99	-29.30	-18.00
8000	-14.10	-15.13	-14.06	-21.77	-14.99	-34.60	-37.46	-47.05	-31.03	-19.07
8200	-17.07	-14.42	-11.99	-21.95	-14.85	-50.12	-38.51	-49.57	-30.72	-19.17
8400	-11.13	-9.35	-7.00	-23.13	-15.02	-33.49	-34.11	-48.24	-31.82	-19.37
8600	-20.62	-19.27	-15.25	-24.86	-15.43	-37.72	-38.31	-56.35	-34.82	-19.68
8800	-18.73	-21.15	-20.47	-26.21	-15.97	--	--	--	--	--
9000	-13.23	-18.60	-19.42	-28.52	-16.71	--	--	--	--	--

Signal Generator

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	-122.98	-130.38	-133.61	-136.55
50	-126.96	-135.53	-137.39	-139.18
100	-127.39	-135.83	-137.59	-140.00
200	-125.99	-134.71	-137.55	-140.81
400	-124.08	-132.66	-137.05	-140.21
600	-119.91	-130.02	-134.70	-140.13
800	-116.48	-127.65	-132.52	-138.46
1000	-114.20	-125.77	-131.44	-137.54
1200	-113.71	-124.87	-129.45	-136.28
1400	-111.98	-123.86	-129.02	-135.99
1600	-112.19	-122.90	-127.49	-135.02
1800	-110.87	-121.89	-126.31	-132.63
2000	-110.61	-120.46	-125.72	-131.67
2200	-108.13	-119.95	-124.69	-133.21
2400	-108.37	-119.15	-123.84	-130.88
2600	-107.44	-118.22	-123.33	-130.67
2800	-106.02	-118.06	-122.54	-130.31
3000	-106.37	-117.55	-122.35	-126.20
3250	-103.94	-116.60	-122.00	-125.77
3500	-104.76	-115.84	-121.00	-125.51
3750	-102.58	-115.93	-120.46	-123.96
4000	-103.90	-114.16	-119.65	-126.42
4250	-104.05	-114.68	-119.79	-125.69
4500	-102.60	-114.14	-118.48	-126.60
4750	-102.93	-113.07	-117.88	-126.67
5000	-102.10	-112.66	-117.50	-125.21
5200	-100.76	-112.57	-117.48	-125.15
5400	-100.51	-112.04	-116.89	-123.46
5600	-99.69	-111.87	-117.18	-123.62
5800	-98.80	-111.29	-116.55	-122.63
6000	-100.78	-110.99	-116.14	-121.11
6200	-99.09	-111.01	-116.28	-119.54
6400	-99.06	-110.68	-116.23	-118.25
6600	-99.66	-110.22	-115.80	-120.18
6800	-98.89	-110.39	-115.05	-119.39
7000	-98.53	-109.29	-114.98	-119.90
7200	-98.38	-109.66	-114.79	-118.84
7400	-98.83	-109.24	-114.60	-118.55
7600	-97.53	-108.97	-114.29	-122.63
7800	-97.44	-108.99	-114.04	-121.81
8000	-98.35	-108.82	-114.31	-120.18
8200	-96.55	-108.03	-113.77	-119.72
8400	-97.03	-108.11	-113.74	-118.41
8600	-98.04	-107.27	-113.26	-120.40
8800	-96.77	-108.40	-112.78	-121.42
9000	-96.10	-107.32	-113.00	-121.15

Freq. (MHz)	Power (dBM) Max
10	23.58
50	23.85
100	23.74
200	23.57
400	22.68
600	23.27
800	22.28
1000	22.69
1200	22.77
1400	21.64
1600	21.74
1800	21.83
2000	22.93
2200	22.85
2400	22.87
2600	22.73
2800	22.56
3000	22.50
3250	22.48
3500	22.37
3750	22.25
4000	22.42
4250	22.17
4500	22.08
4750	22.03
5000	21.78
5200	21.94
5400	21.82
5600	21.79
5800	21.74
6000	21.72
6200	21.71
6400	21.62
6600	21.49
6800	21.69
7000	21.73
7200	21.71
7400	21.74
7600	21.71
7800	21.78
8000	21.82
8200	21.60
8400	21.66
8600	21.69
8800	21.58
9000	21.41

Signal Generator

SSG-9G-RC

Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Freq. Offsets (kHz)	Phase Noise vs. Offset Frequency (dBc / Hz)				
	1000 MHz	3000 MHz	5000 MHz	7000 MHz	9000 MHz
1	-114.20	-106.37	-102.10	-98.53	-96.10
10	-125.77	-117.55	-112.66	-109.29	-107.32
100	-131.44	-122.35	-117.50	-114.98	-113.00
1000	-137.54	-126.20	-125.21	-119.90	-121.15

Freq. (MHz)	Spurious (dBc)	
	Far	Near
10	-70.43	-79.48
50	-68.89	-80.06
100	-67.94	-81.15
200	-70.66	-79.40
400	-69.02	-78.95
600	-69.76	-77.68
800	-68.39	-79.33
1000	-69.45	-75.07
1200	-67.58	-75.35
1400	-70.92	-75.37
1600	-68.73	-76.16
1800	-65.37	-77.33
2000	-69.57	-76.03
2200	-69.51	-82.40
2400	-69.58	-71.63
2600	-64.82	-75.06
2800	-63.98	-77.77
3000	-67.23	-77.27
3250	-66.99	-74.93
3500	-68.32	-74.71
3750	-66.28	-74.99
4000	-68.34	-68.37
4250	-66.47	-72.29
4500	-66.49	-75.34
4750	-66.59	-73.00
5000	-66.77	-74.57
5200	-65.20	-74.65
5400	-64.53	-73.89
5600	-68.27	-69.83
5800	-65.84	-67.89
6000	-66.20	-72.51
6200	-67.93	-70.96
6400	-65.31	-69.40
6600	-64.34	-74.15
6800	-67.82	-73.33
7000	-67.07	-70.34
7200	-66.80	-70.31
7400	-68.28	-72.57
7600	-66.61	-72.78
7800	-65.49	-71.58
8000	-68.63	-68.09
8200	-66.79	-69.16
8400	-68.79	-68.85
8600	-66.03	-72.07
8800	-62.05	-70.15
9000	-66.54	-68.50

Note: Spurious was measured in Close offsets of 1 kHz to 100 kHz and Far offsets of 100 kHz to 150 MHz.

Signal Generator

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
10	0.00	-0.05	0.09	-0.02	0.05	0.11	0.09	0.05	0.26	0.06
50	-0.10	-0.06	-0.02	-0.03	0.03	-0.05	0.26	0.56	0.04	0.10
100	-0.07	-0.15	-0.07	-0.06	0.02	0.03	0.12	0.38	0.04	0.09
200	-0.08	-0.20	-0.17	-0.05	0.02	0.08	0.01	0.22	0.13	0.05
400	-0.04	0.08	0.03	0.11	0.17	0.34	0.14	0.37	0.30	0.09
600	-0.03	0.08	0.03	0.06	0.15	0.29	0.14	0.32	0.28	0.11
800	-0.25	-0.24	-0.19	-0.15	-0.07	0.06	-0.11	0.12	0.05	-0.16
1000	-0.15	-0.11	-0.05	0.00	0.05	0.32	0.05	0.29	0.20	0.05
1200	-0.19	-0.21	-0.17	-0.17	-0.11	0.32	0.00	0.08	0.04	-0.07
1400	-0.17	-0.11	-0.08	-0.01	0.01	0.04	0.01	0.15	0.08	-0.02
1600	-0.12	-0.08	-0.05	-0.02	0.08	0.12	0.06	0.22	0.12	0.02
1800	-0.27	-0.24	-0.22	-0.16	-0.07	0.00	-0.12	0.05	0.01	-0.07
2000	-0.09	-0.06	-0.04	0.04	0.07	0.12	0.05	0.08	0.14	0.05
2200	-0.16	-0.18	-0.11	-0.03	-0.03	0.02	0.05	0.03	0.12	-0.03
2400	-0.09	-0.17	-0.12	-0.13	-0.11	0.00	-0.04	-0.03	0.07	-0.02
2600	-0.11	-0.11	-0.06	-0.10	-0.08	0.03	-0.04	-0.02	0.06	-0.05
2800	-0.11	-0.11	-0.08	-0.05	-0.06	0.05	-0.06	-0.01	0.03	-0.09
3000	-0.10	-0.09	-0.04	-0.03	-0.05	0.11	0.07	0.08	0.15	0.02
3250	-0.18	-0.16	-0.12	-0.16	-0.09	0.06	-0.07	0.04	0.07	-0.02
3500	-0.16	-0.13	-0.11	-0.09	-0.06	0.01	-0.07	0.01	0.06	-0.05
3750	-0.07	-0.05	-0.03	-0.08	0.01	-0.02	0.04	0.20	0.16	0.04
4000	-0.14	-0.10	-0.07	-0.07	-0.01	0.05	0.13	0.24	0.20	0.10
4250	-0.19	-0.15	-0.11	-0.02	-0.01	-0.06	0.02	0.16	0.07	-0.01
4500	-0.23	-0.25	-0.21	-0.16	-0.10	-0.13	0.09	0.18	0.08	0.00
4750	-0.22	-0.17	-0.13	-0.08	-0.04	-0.08	-0.03	0.14	0.02	-0.04
5000	-0.22	-0.23	-0.18	-0.14	-0.11	-0.07	-0.12	0.01	-0.04	-0.10
5200	-0.19	-0.16	-0.11	-0.11	-0.10	-0.01	-0.02	0.08	0.11	0.01
5400	-0.19	-0.16	-0.14	-0.14	-0.11	-0.08	-0.06	-0.05	0.04	0.00
5600	-0.24	-0.21	-0.18	-0.05	0.03	0.06	0.03	0.04	0.13	0.08
5800	-0.07	-0.10	-0.09	-0.06	0.00	-0.06	0.05	0.15	0.13	0.08
6000	-0.25	-0.19	-0.14	-0.05	0.02	0.13	0.00	0.17	0.06	0.04
6200	-0.17	-0.14	-0.11	0.00	0.08	0.09	-0.01	0.09	-0.01	0.01
6400	-0.22	-0.20	-0.20	-0.18	-0.12	0.08	-0.04	0.08	0.03	-0.01
6600	-0.34	-0.30	-0.26	-0.14	-0.09	0.05	-0.05	-0.01	0.03	-0.05
6800	-0.26	-0.16	-0.14	-0.11	-0.03	0.16	0.06	0.05	0.15	0.03
7000	-0.18	-0.23	-0.21	-0.14	-0.02	0.06	-0.09	-0.01	0.09	0.01
7200	-0.32	-0.32	-0.33	-0.25	-0.20	0.06	-0.05	-0.01	0.03	0.01
7400	0.01	0.01	-0.01	0.08	0.18	-0.03	-0.15	-0.10	-0.04	-0.02
7600	-0.30	-0.22	-0.20	-0.11	-0.04	0.01	-0.14	-0.01	0.00	-0.06
7800	-0.18	-0.16	-0.12	-0.14	-0.06	0.03	0.00	0.10	-0.04	0.01
8000	-0.34	-0.32	-0.27	-0.27	-0.15	-0.02	-0.08	0.07	-0.04	-0.02
8200	-0.07	-0.12	-0.15	-0.09	0.04	-0.05	-0.15	-0.01	-0.04	-0.10
8400	-0.09	-0.10	-0.05	-0.07	0.11	-0.04	-0.13	0.03	0.01	-0.02
8600	0.09	0.03	0.08	0.04	0.20	0.03	-0.03	0.12	0.06	0.04
8800	-0.22	-0.13	-0.05	0.05	0.18	0.15	0.09	0.20	0.12	0.08
9000	-0.08	-0.05	-0.02	0.08	0.11	0.10	0.04	0.10	0.10	0.07

Signal Generator

Typical Performance Data

Test Conditions: @ Temperature = 50°C.

Power (dBm)	Power deviation from nominal vs. Output Power (dB)									
	500 MHz	1000 MHz	2000 MHz	3000 MHz	4000 MHz	5000 MHz	6000 MHz	7000 MHz	8000 MHz	9000 MHz
-50	0.08	-0.12	-0.02	-0.10	-0.06	-0.34	-0.20	-0.07	-0.37	-0.13
-49	0.11	-0.12	-0.01	-0.09	-0.06	-0.34	-0.19	-0.08	-0.37	-0.12
-48	0.14	-0.11	0.00	-0.09	-0.05	-0.34	-0.18	-0.10	-0.37	-0.11
-47	0.16	-0.11	0.00	-0.08	-0.04	-0.34	-0.17	-0.11	-0.37	-0.11
-46	0.19	-0.10	0.01	-0.08	-0.04	-0.34	-0.16	-0.13	-0.37	-0.10
-45	0.22	-0.10	0.02	-0.07	-0.03	-0.34	-0.16	-0.14	-0.38	-0.09
-44	0.19	-0.08	0.02	-0.06	-0.03	-0.33	-0.14	-0.14	-0.36	-0.07
-43	0.17	-0.07	0.03	-0.05	-0.03	-0.33	-0.13	-0.14	-0.34	-0.06
-42	0.15	-0.05	0.03	-0.04	-0.03	-0.32	-0.12	-0.14	-0.33	-0.04
-41	0.12	-0.04	0.04	-0.03	-0.02	-0.31	-0.11	-0.14	-0.31	-0.03
-40	0.10	-0.02	0.04	-0.02	-0.02	-0.30	-0.10	-0.15	-0.30	-0.01
-38	0.12	-0.02	0.07	0.00	-0.01	-0.29	-0.06	-0.14	-0.28	0.01
-36	0.14	-0.01	0.09	0.03	0.01	-0.27	-0.02	-0.14	-0.27	0.03
-34	0.15	-0.01	0.10	0.03	0.02	-0.27	-0.02	-0.13	-0.28	0.05
-32	0.17	0.00	0.09	0.01	0.02	-0.28	-0.05	-0.11	-0.31	0.07
-30	0.19	0.01	0.08	0.00	0.02	-0.29	-0.08	-0.10	-0.35	0.09
-28	0.20	0.01	0.08	0.00	0.05	-0.30	-0.07	-0.06	-0.36	0.12
-26	0.21	0.01	0.08	0.00	0.08	-0.31	-0.06	-0.03	-0.37	0.14
-24	0.23	0.02	0.08	-0.01	0.09	-0.30	-0.05	0.00	-0.34	0.15
-22	0.24	0.04	0.09	-0.01	0.09	-0.27	-0.04	0.03	-0.29	0.14
-20	0.26	0.05	0.10	-0.02	0.09	-0.25	-0.02	0.06	-0.23	0.14
-18	0.28	0.08	0.14	0.01	0.09	-0.26	0.01	0.05	-0.24	0.10
-16	0.30	0.12	0.18	0.04	0.09	-0.28	0.04	0.04	-0.24	0.06
-14	0.35	0.17	0.19	0.06	0.10	-0.27	0.07	0.08	-0.20	0.05
-12	0.43	0.23	0.19	0.08	0.13	-0.25	0.10	0.16	-0.12	0.05
-10	0.51	0.30	0.18	0.11	0.16	-0.22	0.12	0.24	-0.05	0.06
-8	0.44	0.21	0.18	0.09	0.19	-0.24	0.09	0.19	-0.06	0.04
-6	0.38	0.13	0.17	0.08	0.23	-0.26	0.05	0.15	-0.08	0.02
-4	0.32	0.07	0.16	0.06	0.24	-0.27	0.02	0.12	-0.09	0.01
-2	0.27	0.03	0.15	0.05	0.23	-0.29	0.00	0.11	-0.08	0.01
0	0.23	0.00	0.13	0.03	0.22	-0.30	-0.02	0.10	-0.08	0.01
+2	0.29	0.02	0.13	0.02	0.23	-0.28	0.00	0.12	-0.08	0.02
+4	0.35	0.04	0.13	0.00	0.23	-0.25	0.02	0.14	-0.09	0.03
+6	0.38	0.10	0.13	0.00	0.25	-0.22	0.06	0.15	-0.05	0.04
+8	0.37	0.19	0.15	0.02	0.29	-0.19	0.10	0.16	0.02	0.06
+10	0.37	0.28	0.17	0.04	0.33	-0.15	0.15	0.16	0.09	0.08
+11	0.36	0.27	0.18	0.06	0.32	-0.16	0.13	0.17	0.06	0.08
+12	0.36	0.25	0.19	0.07	0.31	-0.17	0.11	0.19	0.04	0.08
+13	0.36	0.24	0.20	0.09	0.30	-0.19	0.10	0.21	0.01	0.08
+14	0.35	0.22	0.21	0.11	0.29	-0.20	0.08	0.23	-0.02	0.08
+15	0.35	0.21	0.22	0.12	0.28	-0.21	0.06	0.24	-0.04	0.07
+16	0.32	0.18	0.20	0.10	0.26	-0.22	0.06	0.21	-0.03	0.07
+17	0.30	0.15	0.19	0.08	0.24	-0.22	0.05	0.19	-0.01	0.07
+18	0.27	0.12	0.17	0.06	0.23	-0.23	0.04	0.16	0.00	0.07
+19	0.24	0.09	0.15	0.03	0.21	-0.23	0.04	0.13	0.02	0.06
+20	0.22	0.06	0.13	0.01	0.19	-0.24	0.03	0.10	0.03	0.06

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
10	-41.16	-44.29	-41.22	-3.70	-11.16	-8.46	-8.26	-8.31	-7.79	-12.08
50	-43.90	-56.89	-53.85	-12.52	-18.87	-11.97	-12.22	-11.78	-12.19	-11.62
100	-45.92	-53.13	-50.69	-11.37	-17.49	-11.55	-12.36	-12.01	-12.85	-12.49
200	-37.93	-42.99	-43.98	-11.33	-15.94	-11.15	-12.56	-12.17	-13.86	-13.81
400	-35.73	-38.23	-35.81	-17.67	-15.16	-8.24	-10.06	-10.99	-10.54	-11.90
600	-28.93	-30.11	-31.94	-20.29	-15.90	-10.32	-11.12	-12.50	-10.28	-13.06
800	-24.81	-25.21	-26.68	-16.05	-13.88	-9.56	-9.83	-11.28	-9.05	-11.49
1000	-22.58	-22.97	-23.39	-16.74	-14.32	-10.31	-10.05	-11.17	-10.15	-11.81
1200	-22.51	-21.17	-20.07	-20.01	-15.41	-11.27	-9.94	-9.29	-13.75	-11.20
1400	-8.69	-7.97	-6.90	-8.11	-8.15	-16.20	-16.23	-15.50	-23.74	-19.85
1600	-7.44	-7.49	-7.27	-10.20	-8.89	-15.80	-15.87	-16.21	-23.97	-18.38
1800	-7.08	-7.40	-7.38	-12.21	-9.69	-15.17	-16.27	-17.22	-19.32	-16.45
2000	-11.87	-12.77	-13.26	-15.22	-17.44	-10.85	-11.93	-12.84	-14.48	-11.99
2200	-11.85	-12.42	-12.97	-16.42	-17.89	-13.31	-13.81	-14.51	-15.00	-12.17
2400	-12.68	-12.93	-13.59	-18.83	-17.82	-12.78	-14.71	-16.00	-15.27	-12.52
2600	-12.80	-13.61	-14.55	-22.33	-16.87	-16.15	-16.50	-17.21	-14.87	-12.83
2800	-13.35	-14.31	-15.29	-22.98	-16.10	-15.40	-17.29	-18.77	-15.18	-13.12
3000	-13.87	-15.00	-15.94	-21.11	-15.64	-19.71	-20.49	-21.23	-15.70	-13.18
3250	-15.13	-15.49	-16.50	-21.47	-15.88	-24.00	-25.18	-25.86	-17.30	-13.34
3500	-12.85	-14.67	-16.14	-22.36	-16.39	-27.28	-28.57	-30.05	-18.23	-13.27
3750	-13.70	-14.59	-15.50	-19.89	-18.00	-27.42	-31.22	-32.21	-18.63	-12.62
4000	-22.06	-16.52	-15.53	-18.10	-19.12	-28.82	-32.51	-34.24	-21.08	-12.94
4250	-14.46	-14.74	-15.46	-19.05	-19.48	-37.12	-34.88	-35.83	-21.75	-12.52
4500	-15.63	-15.60	-16.18	-22.24	-19.24	-28.13	-31.25	-33.16	-20.11	-11.83
4750	-11.86	-14.88	-16.80	-24.86	-18.08	-23.21	-26.57	-28.85	-17.85	-12.05
5000	-16.91	-17.79	-19.45	-22.14	-17.29	-27.88	-27.88	-29.01	-21.77	-12.63
5200	-15.32	-16.36	-17.95	-22.70	-18.24	-26.06	-26.49	-28.24	-21.07	-12.94
5400	-19.21	-16.60	-16.59	-20.83	-18.21	-28.62	-28.41	-27.80	-21.28	-12.98
5600	-14.97	-15.53	-16.27	-19.93	-18.38	-24.47	-24.59	-23.56	-22.35	-12.92
5800	-13.38	-15.88	-17.57	-20.28	-19.45	-34.97	-34.33	-35.12	-23.76	-13.07
6000	-11.21	-15.96	-18.98	-20.44	-19.54	-29.94	-32.03	-35.56	-24.42	-13.20
6200	-21.40	-20.63	-20.63	-21.14	-19.46	-38.79	-37.31	-34.58	-24.96	-13.25
6400	-23.28	-21.39	-21.27	-21.17	-18.37	-38.50	-36.79	-37.24	-26.72	-14.21
6600	-22.30	-22.05	-22.13	-21.65	-17.45	-36.58	-36.08	-39.76	-26.91	-14.49
6800	-17.37	-19.18	-20.76	-20.45	-16.96	-41.15	-41.62	-42.58	-27.33	-15.21
7000	-13.75	-16.19	-18.43	-18.91	-16.00	-44.63	-38.68	-45.89	-28.12	-16.30
7200	-13.88	-15.75	-16.86	-17.95	-15.44	-39.60	-42.64	-46.87	-27.66	-16.74
7400	-18.90	-19.42	-19.44	-21.84	-16.29	-41.77	-35.75	-48.76	-29.12	-17.46
7600	-17.07	-17.46	-17.32	-23.29	-15.25	-34.11	-36.63	-46.04	-29.45	-17.98
7800	-14.01	-15.39	-15.69	-23.79	-15.08	-29.70	-31.58	-43.97	-30.58	-18.14
8000	-15.71	-16.14	-15.06	-23.29	-15.17	-43.34	-33.84	-48.98	-32.41	-19.12
8200	-17.32	-14.94	-12.76	-23.39	-15.10	-44.23	-33.19	-54.56	-32.22	-19.20
8400	-12.12	-10.32	-7.92	-24.66	-15.26	-36.62	-38.75	-52.60	-33.45	-19.52
8600	-19.34	-18.17	-16.11	-26.47	-15.65	-40.93	-40.71	-55.13	-36.42	-19.69
8800	-19.95	-22.00	-21.40	-28.02	-16.23	--	--	--	--	--
9000	-15.58	-20.14	-19.82	-30.36	-16.97	--	--	--	--	--

Signal Generator

SSG-9G-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	-119.89	-129.59	-134.22	-135.92
50	-129.12	-135.29	-137.60	-138.67
100	-129.47	-135.54	-137.69	-138.70
200	-127.72	-135.03	-137.48	-139.47
400	-122.68	-131.47	-136.23	-139.83
600	-119.32	-129.08	-134.11	-139.93
800	-117.54	-127.48	-132.38	-137.08
1000	-115.13	-125.67	-130.58	-136.97
1200	-113.67	-123.94	-129.17	-136.17
1400	-112.79	-122.88	-127.80	-134.23
1600	-112.50	-121.76	-126.36	-133.64
1800	-110.72	-120.65	-125.86	-133.10
2000	-110.57	-120.12	-125.54	-132.48
2200	-108.26	-119.04	-123.79	-130.71
2400	-109.35	-118.28	-122.90	-130.88
2600	-108.12	-117.73	-122.76	-129.93
2800	-107.69	-116.34	-122.06	-128.71
3000	-107.43	-116.14	-121.44	-126.67
3250	-104.17	-114.85	-120.76	-126.97
3500	-105.35	-114.78	-120.29	-124.46
3750	-104.62	-114.36	-119.48	-122.56
4000	-103.89	-114.06	-119.43	-126.95
4250	-103.30	-113.03	-118.48	-123.81
4500	-104.24	-112.44	-117.41	-126.87
4750	-102.36	-112.05	-116.98	-124.90
5000	-101.82	-111.81	-116.71	-125.13
5200	-102.05	-111.75	-116.25	-124.40
5400	-100.75	-110.92	-115.62	-124.44
5600	-100.66	-110.94	-115.26	-122.43
5800	-100.24	-110.63	-115.80	-122.12
6000	-99.20	-110.74	-115.78	-119.87
6200	-100.09	-109.42	-115.40	-119.18
6400	-98.94	-109.63	-115.27	-118.54
6600	-100.24	-109.32	-114.61	-119.19
6800	-99.30	-109.52	-114.21	-118.52
7000	-99.76	-108.98	-113.80	-118.91
7200	-97.57	-108.44	-113.28	-118.45
7400	-98.24	-108.19	-113.65	-117.26
7600	-97.27	-108.56	-113.39	-121.47
7800	-97.81	-107.80	-112.81	-120.54
8000	-99.47	-107.94	-113.24	-120.05
8200	-96.42	-107.33	-112.69	-119.68
8400	-97.77	-107.14	-112.40	-118.59
8600	-97.64	-107.28	-111.96	-120.42
8800	-97.55	-106.63	-112.13	-120.89
9000	-96.25	-106.17	-111.80	-121.21

Freq. (MHz)	Power (dBM) Max
10	23.09
50	23.63
100	23.52
200	23.32
400	22.46
600	23.00
800	22.02
1000	22.42
1200	22.47
1400	21.43
1600	21.55
1800	21.64
2000	22.67
2200	22.60
2400	22.64
2600	22.51
2800	22.36
3000	22.32
3250	22.30
3500	22.20
3750	22.07
4000	22.22
4250	21.97
4500	21.89
4750	21.85
5000	21.60
5200	21.76
5400	21.64
5600	21.60
5800	21.55
6000	21.54
6200	21.52
6400	21.43
6600	21.31
6800	21.49
7000	21.51
7200	21.49
7400	21.48
7600	21.47
7800	21.51
8000	21.54
8200	21.32
8400	21.36
8600	21.37
8800	21.26
9000	21.05

Signal Generator

SSG-9G-RC

Typical Performance Data

Test Conditions: @ Temperature = 50°C.

Freq. Offsets (kHz)	Phase Noise vs. Offset Frequency (dBc / Hz)				
	1000 MHz	3000 MHz	5000 MHz	7000 MHz	9000 MHz
1	-115.13	-107.43	-101.82	-99.76	-96.25
10	-125.67	-116.14	-111.81	-108.98	-106.17
100	-130.58	-121.44	-116.71	-113.80	-111.80
1000	-136.97	-126.67	-125.13	-118.91	-121.21

Freq. (MHz)	Spurious (dBc)	
	Far	Near
10	-69.80	-79.55
50	-69.24	-80.49
100	-69.86	-79.08
200	-69.84	-78.36
400	-69.53	-78.07
600	-68.41	-77.13
800	-69.33	-77.49
1000	-69.22	-78.06
1200	-69.08	-77.70
1400	-68.57	-76.33
1600	-68.65	-76.42
1800	-68.71	-77.89
2000	-67.96	-76.71
2200	-67.63	-78.38
2400	-66.34	-77.03
2600	-66.02	-76.86
2800	-66.47	-76.45
3000	-67.24	-75.72
3250	-65.88	-76.52
3500	-66.32	-75.17
3750	-66.95	-74.07
4000	-66.14	-72.42
4250	-65.16	-72.48
4500	-66.44	-72.82
4750	-65.96	-73.46
5000	-66.55	-72.65
5200	-67.12	-72.58
5400	-65.99	-71.65
5600	-66.68	-70.63
5800	-66.12	-70.56
6000	-67.14	-71.29
6200	-66.72	-72.01
6400	-66.18	-70.79
6600	-66.52	-72.04
6800	-66.94	-71.40
7000	-65.83	-71.85
7200	-65.98	-69.72
7400	-66.56	-70.07
7600	-66.36	-70.84
7800	-66.41	-70.32
8000	-67.07	-71.33
8200	-65.70	-71.50
8400	-66.80	-71.24
8600	-66.02	-70.26
8800	-67.17	-70.70
9000	-67.23	-71.01

Note: Spurious was measured in Close offsets of 1 kHz to 100 kHz and Far offsets of 100 kHz to 150 MHz.