Signal Generator

SSG-R7N6G-RC

Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Freq. (MHz)	Power deviation from nominal vs. Output Frequency (dB)									
	-55 dBm	-50 dBm	-40 dBm	-30 dBm	-20 dBm	-10 dBm	0 dBm	+10 dBm	+15 dBm	+20 dBm
700	-0.39	-0.32	-0.24	-0.16	-0.14	-0.10	-0.09	0.02	0.06	0.18
800	-0.34	-0.27	-0.21	-0.18	-0.13	-0.08	-0.08	0.03	0.07	0.19
900	-0.30	-0.23	-0.18	-0.16	-0.08	-0.05	-0.05	0.03	0.09	0.19
1000	-0.31	-0.24	-0.19	-0.13	-0.06	-0.04	-0.06	0.03	0.10	0.17
1100	-0.30	-0.20	-0.13	-0.08	-0.06	-0.03	-0.02	0.06	0.10	0.17
1200	-0.21	-0.12	-0.07	-0.15	-0.11	-0.06	-0.02	0.04	0.07	0.15
1300	-0.22	-0.14	-0.09	-0.19	-0.12	-0.09	-0.06	0.06	0.06	0.09
1400	-0.27	-0.17	-0.10	-0.10	-0.06	-0.07	-0.08	0.08	0.06	0.04
1500	-0.37	-0.24	-0.17	-0.11	-0.07	-0.09	-0.10	0.04	0.04	0.03
1600	-0.34	-0.27	-0.17	-0.13	-0.09	-0.08	-0.09	0.05	0.06	0.05
1700	-0.18	-0.16	-0.07	-0.11	-0.09	-0.03	-0.01	0.12	0.12	0.09
1800	-0.19	-0.11	-0.05	-0.09	-0.08	-0.02	0.02	0.12	0.15	0.10
1900	-0.20	-0.13	-0.05	-0.04	-0.09	-0.03	0.02	0.04	0.12	0.14
2000	-0.30	-0.22	-0.14	-0.08	-0.14	-0.06	-0.03	-0.02	0.07	0.13
2100	-0.39	-0.30	-0.22	-0.15	-0.18	-0.11	-0.08	-0.05	0.05	0.10
2200	-0.31	-0.24	-0.18	-0.14	-0.20	-0.13	-0.12	-0.09	-0.01	0.07
2300	-0.30	-0.25	-0.19	-0.17	-0.22	-0.14	-0.15	-0.09	-0.07	0.04
2400	-0.29	-0.26	-0.17	-0.17	-0.19	-0.11	-0.10	-0.03	-0.04	0.05
2600	-0.23	-0.19	-0.13	-0.16	-0.15	-0.10	-0.11	-0.03	-0.03	0.05
2800	-0.28	-0.20	-0.10	-0.09	-0.20	-0.13	-0.13	-0.05	-0.01	0.05
3000	-0.18	-0.18	-0.11	-0.14	-0.10	-0.03	-0.03	0.05	0.07	0.13
3200	-0.15	-0.13	-0.08	-0.10	-0.10	0.02	0.01	0.03	0.05	0.06
3400	-0.26	-0.21	-0.13	-0.10	-0.22	-0.13	-0.19	-0.11	-0.08	0.00
3600	-0.33	-0.28	-0.25	-0.20	-0.21	-0.14	-0.21	-0.09	-0.05	-0.05
3800	-0.29	-0.21	-0.18	-0.14	-0.07	-0.11	-0.11	-0.02	0.07	0.03
4000	-0.18	-0.16	-0.19	-0.12	-0.14	-0.12	-0.10	-0.02	0.04	0.04
4100	-0.37	-0.24	-0.26	-0.22	-0.17	-0.16	-0.10	-0.03	0.04	0.16
4200	-0.34	-0.26	-0.30	-0.31	-0.18	-0.24	-0.19	-0.11	-0.05	0.07
4300	-0.43	-0.41	-0.39	-0.34	-0.20	-0.28	-0.23	-0.16	-0.11	0.01
4400	-0.62	-0.51	-0.40	-0.29	-0.21	-0.24	-0.23	-0.12	-0.05	0.08
4500	-0.52	-0.37	-0.28	-0.23	-0.21	-0.22	-0.24	-0.15	-0.07	0.00
4600	-0.06	-0.06	-0.11	-0.17	-0.12	-0.17	-0.20	-0.16	-0.07	-0.05
4700	0.08	0.04	-0.06	-0.07	0.01	-0.12	-0.15	-0.07	-0.01	-0.02
4800	-0.09	-0.05	-0.12	-0.05	0.15	0.05	0.08	0.16	0.18	0.09
4900	-0.26	-0.18	-0.20	-0.05	0.14	0.08	0.10	0.15	0.16	0.04
5000	-0.35	-0.26	-0.27	-0.11	-0.06	-0.17	-0.08	-0.07	-0.02	-0.10
5100	-0.31	-0.31	-0.34	-0.24	-0.25	-0.34	-0.21	-0.20	-0.13	-0.19
5200	-0.51	-0.48	-0.36	-0.31	-0.26	-0.38	-0.32	-0.24	-0.23	-0.29
5300	-0.45	-0.35	-0.32	-0.30	-0.26	-0.41	-0.36	-0.20	-0.29	-0.31
5400	-0.18	-0.19	-0.33	-0.30	-0.30	-0.42	-0.39	-0.23	-0.35	-0.36
5500	-0.46	-0.48	-0.43	-0.35	-0.28	-0.44	-0.50	-0.34	-0.40	-0.36
5600	-0.59	-0.62	-0.49	-0.41	-0.27	-0.47	-0.51	-0.34	-0.38	-0.25
5700	-0.65	-0.64	-0.46	-0.42	-0.28	-0.40	-0.41	-0.29	-0.35	-0.12
5800	-0.45	-0.47	-0.37	-0.42	-0.24	-0.36	-0.40	-0.33	-0.35	-0.10
5900	0.05	-0.17	-0.30	-0.38	-0.27	-0.41	-0.43	-0.48	-0.39	-0.22
6000	-0.20	-0.47	-0.56	-0.48	-0.37	-0.47	-0.44	-0.49	-0.39	-0.30

Signal Generator

SSG-R7N6G-RC

Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Power (dBm)	Power deviation from nominal vs. Output Power (dB)									
	700 MHz	1000 MHz	2000 MHz	2500 MHz	3000 MHz	4000 MHz	4500 MHz	5000 MHz	5500 MHz	6000 MHz
-55	-0.42	-0.28	-0.18	-0.23	-0.16	0.04	-0.71	-0.40	-0.16	0.13
-54	-0.40	-0.27	-0.17	-0.23	-0.16	0.02	-0.68	-0.37	-0.18	0.08
-53	-0.38	-0.26	-0.16	-0.23	-0.16	0.01	-0.64	-0.35	-0.21	0.03
-52	-0.36	-0.24	-0.14	-0.23	-0.16	0.00	-0.60	-0.33	-0.23	-0.02
-51	-0.35	-0.23	-0.13	-0.23	-0.16	-0.02	-0.56	-0.30	-0.25	-0.08
-50	-0.33	-0.22	-0.12	-0.23	-0.16	-0.03	-0.53	-0.28	-0.28	-0.13
-48	-0.32	-0.21	-0.11	-0.22	-0.13	-0.03	-0.50	-0.27	-0.29	-0.17
-46	-0.32	-0.21	-0.09	-0.20	-0.10	-0.04	-0.48	-0.26	-0.30	-0.21
-44	-0.30	-0.21	-0.08	-0.18	-0.08	-0.06	-0.45	-0.26	-0.32	-0.25
-42	-0.27	-0.20	-0.06	-0.15	-0.07	-0.09	-0.41	-0.25	-0.35	-0.28
-40	-0.24	-0.19	-0.04	-0.13	-0.06	-0.12	-0.38	-0.24	-0.37	-0.32
-38	-0.24	-0.18	-0.05	-0.14	-0.09	-0.13	-0.37	-0.22	-0.40	-0.31
-36	-0.25	-0.16	-0.07	-0.14	-0.11	-0.15	-0.37	-0.21	-0.44	-0.30
-34	-0.22	-0.16	-0.06	-0.14	-0.12	-0.14	-0.34	-0.17	-0.43	-0.31
-32	-0.17	-0.16	-0.04	-0.13	-0.11	-0.10	-0.29	-0.10	-0.37	-0.32
-30	-0.12	-0.17	-0.02	-0.13	-0.10	-0.07	-0.24	-0.03	-0.32	-0.33
-28	-0.12	-0.14	-0.08	-0.15	-0.11	-0.06	-0.24	-0.03	-0.30	-0.32
-26	-0.12	-0.11	-0.14	-0.17	-0.11	-0.04	-0.23	-0.03	-0.27	-0.31
-24	-0.12	-0.09	-0.16	-0.18	-0.12	-0.04	-0.23	-0.01	-0.27	-0.30
-22	-0.11	-0.08	-0.14	-0.17	-0.12	-0.04	-0.25	0.03	-0.29	-0.31
-20	-0.11	-0.07	-0.11	-0.16	-0.13	-0.05	-0.26	0.07	-0.31	-0.31
-18	-0.10	-0.08	-0.10	-0.16	-0.14	-0.06	-0.27	0.05	-0.30	-0.34
-16	-0.09	-0.08	-0.09	-0.16	-0.14	-0.08	-0.27	0.03	-0.28	-0.37
-14	-0.08	-0.08	-0.07	-0.14	-0.13	-0.08	-0.27	0.02	-0.31	-0.39
-12	-0.07	-0.07	-0.05	-0.11	-0.10	-0.07	-0.28	0.00	-0.36	-0.41
-10	-0.06	-0.06	-0.03	-0.09	-0.07	-0.05	-0.28	-0.01	-0.42	-0.44
-8	-0.07	-0.06	-0.02	-0.08	-0.08	-0.06	-0.29	-0.02	-0.42	-0.43
-6	-0.08	-0.06	-0.01	-0.07	-0.10	-0.07	-0.30	-0.04	-0.42	-0.42
-4	-0.08	-0.06	0.00	-0.07	-0.10	-0.07	-0.31	-0.04	-0.43	-0.42
-2	-0.06	-0.06	0.01	-0.06	-0.09	-0.06	-0.32	-0.02	-0.44	-0.43
0	-0.05	-0.07	0.03	-0.06	-0.08	-0.05	-0.32	-0.01	-0.45	-0.44
+2	-0.03	-0.07	0.01	-0.06	-0.06	-0.03	-0.31	-0.01	-0.41	-0.47
+4	-0.01	-0.08	-0.01	-0.05	-0.04	-0.02	-0.30	-0.01	-0.37	-0.50
+6	0.01	-0.07	-0.02	-0.04	-0.03	0.00	-0.27	-0.01	-0.34	-0.53
+8	0.02	-0.03	-0.02	-0.02	-0.01	0.03	-0.23	0.01	-0.33	-0.54
+10	0.04	0.00	-0.01	0.00	0.00	0.07	-0.18	0.02	-0.31	-0.56
+11	0.05	0.01	0.01	0.00	0.01	0.08	-0.17	0.03	-0.33	-0.53
+12	0.06	0.03	0.03	0.00	0.01	0.09	-0.15	0.03	-0.35	-0.49
+13	0.07	0.04	0.05	-0.01	0.02	0.09	-0.14	0.04	-0.37	-0.46
+14	0.07	0.05	0.07	-0.01	0.02	0.10	-0.13	0.04	-0.39	-0.43
+15	0.08	0.07	0.09	-0.01	0.03	0.11	-0.11	0.05	-0.41	-0.40
+16	0.11	0.09	0.10	0.00	0.04	0.09	-0.08	0.03	-0.41	-0.37
+17	0.14	0.10	0.12	0.02	0.06	0.07	-0.06	0.00	-0.41	-0.35
+18	0.17	0.12	0.14	0.03	0.07	0.05	-0.03	-0.02	-0.42	-0.32
+19	0.20	0.14	0.16	0.04	0.09	0.03	-0.01	-0.04	-0.42	-0.30
+20	0.22	0.15	0.17	0.06	0.10	0.02	0.02	-0.06	-0.42	-0.27

Signal Generator

SSG-R7N6G-RC

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
700	-30.35	-30.66	-32.79	-25.52	-18.17	-10.40	-10.92	-10.79	-11.28	-11.37
800	-28.09	-28.39	-28.58	-24.01	-17.72	-9.90	-10.40	-10.18	-10.99	-11.29
900	-26.18	-26.47	-25.50	-22.71	-17.35	-9.36	-9.94	-9.85	-11.06	-11.43
1000	-24.21	-24.59	-22.66	-21.51	-18.01	-8.89	-9.85	-10.01	-11.42	-11.48
1100	-22.37	-22.90	-20.18	-20.21	-18.74	-8.62	-9.71	-10.28	-11.84	-11.57
1200	-21.22	-21.88	-18.57	-19.27	-19.57	-8.29	-9.59	-10.51	-12.13	-11.67
1300	-13.50	-14.06	-13.86	-14.50	-14.28	-12.59	-13.89	-19.16	-21.88	-22.04
1400	-5.95	-6.60	-9.66	-10.12	-8.53	-16.87	-18.06	-28.72	-32.02	-32.99
1500	-5.91	-6.76	-9.46	-10.05	-8.49	-15.81	-17.45	-28.02	-30.78	-32.34
1600	-6.04	-6.92	-9.19	-9.88	-8.45	-15.08	-16.84	-26.09	-28.79	-30.62
1700	-6.18	-7.09	-8.84	-9.63	-8.37	-15.69	-17.34	-26.21	-29.03	-30.04
1800	-6.37	-7.37	-8.40	-9.30	-8.25	-16.49	-18.27	-26.78	-29.88	-29.75
1900	-10.47	-11.54	-13.47	-15.18	-16.99	-13.47	-15.35	-20.11	-23.26	-22.88
2000	-14.19	-15.37	-19.47	-22.06	-24.36	-10.53	-12.85	-13.80	-16.93	-17.06
2100	-14.01	-15.13	-21.35	-24.03	-22.36	-11.57	-14.06	-14.64	-17.92	-18.39
2200	-13.78	-15.00	-22.99	-25.67	-21.58	-12.84	-15.08	-15.37	-18.78	-19.41
2300	-13.13	-14.71	-23.98	-26.66	-20.89	-13.65	-16.11	-16.22	-19.73	-20.59
2400	-12.87	-14.42	-25.23	-27.63	-20.21	-14.99	-17.40	-17.16	-20.74	-21.76
2600	-13.57	-15.33	-29.54	-31.38	-19.98	-16.46	-19.39	-18.68	-22.37	-23.53
2800	-15.06	-16.56	-29.91	-32.47	-20.63	-19.54	-22.18	-21.88	-25.59	-26.19
3000	-15.05	-17.35	-26.87	-30.64	-21.54	-24.43	-27.00	-26.56	-29.99	-29.92
3200	-17.25	-18.57	-24.74	-28.73	-22.40	-31.29	-34.14	-33.59	-36.55	-35.68
3400	-15.55	-17.78	-24.66	-29.00	-22.01	-37.89	-40.99	-40.39	-43.31	-42.67
3600	-16.44	-18.48	-26.18	-30.92	-21.31	-43.73	-48.35	-43.54	-45.10	-44.76
3800	-15.97	-17.87	-27.55	-32.69	-20.78	-35.72	-39.60	-36.08	-38.25	-37.25
4000	-14.15	-16.92	-30.12	-34.74	-19.77	-39.01	-43.06	-36.67	-38.29	-40.95
4100	-13.17	-17.25	-31.29	-36.36	-19.70	-44.39	-45.12	-36.20	-37.68	-44.30
4200	-17.31	-20.16	-36.21	-39.72	-19.61	-46.43	-46.58	-37.57	-38.63	-46.06
4300	-18.52	-20.78	-43.06	-40.09	-19.86	-44.02	-47.32	-39.67	-41.29	-47.30
4400	-18.31	-21.07	-43.63	-38.87	-20.64	-46.57	-49.86	-42.44	-44.74	-48.27
4500	-20.51	-22.84	-40.09	-38.10	-21.51	-47.99	-51.97	-46.57	-49.18	-49.89
4600	-23.68	-24.58	-39.03	-37.82	-22.35	-49.25	-56.32	-52.74	-56.08	-53.25
4700	-25.67	-26.07	-39.52	-38.33	-23.91	-52.88	-60.25	-58.31	-63.33	-56.77
4800	-26.22	-27.61	-40.53	-39.16	-25.62	-44.47	-52.72	-53.82	-59.91	-49.43
4900	-27.62	-29.22	-40.58	-39.63	-26.82	-41.39	-52.63	-54.42	-59.46	-45.57
5000	-29.18	-30.52	-37.17	-47.20	-28.60	-48.21	-58.83	-59.54	-59.38	-46.46
5100	-30.67	-31.98	-34.56	-60.45	-30.52	-44.02	-52.44	-55.75	-51.01	-41.10
5200	-32.10	-34.25	-36.51	-66.12	-32.53	-38.84	-46.84	-52.97	-47.55	-38.00
5300	-31.99	-35.65	-38.49	-62.17	-34.05	-40.48	-48.68	-49.39	-45.66	-35.52
5400	-30.97	-35.15	-37.72	-57.69	-32.55	-34.28	-43.45	-43.15	-43.01	-33.41
5500	-29.38	-32.10	-33.92	-59.24	-28.87	-22.68	-31.53	-37.76	-41.02	-31.34
5600	-28.19	-28.92	-30.29	-54.83	-25.66	-26.72	-35.91	-42.24	-40.83	-29.84
5700	-25.35	-26.65	-28.38	-45.85	-23.74	-35.32	-45.50	-48.34	-40.92	-30.65
5800	-26.23	-26.86	-30.69	-41.45	-22.56	-39.15	-45.85	-46.35	-41.81	-33.01
5900	-24.01	-26.07	-34.56	-38.41	-22.20	-36.85	-43.02	-43.86	-43.24	-35.82
6000	-21.45	-27.62	-34.58	-37.85	-22.62	-31.74	-40.87	-43.67	-44.77	-38.52

Signal Generator

SSG-R7N6G-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
700	-117.29	-127.46	-132.93	-140.30	-143.21
800	-118.27	-126.72	-132.04	-138.05	-143.67
900	-114.95	-125.28	-130.79	-136.08	-144.16
1000	-114.02	-126.20	-130.13	-136.66	-143.82
1100	-114.28	-122.50	-129.51	-137.46	-144.12
1200	-115.56	-122.01	-129.70	-136.18	-144.64
1300	-114.00	-122.48	-129.34	-136.76	-146.55
1400	-112.51	-122.83	-128.55	-135.08	-146.82
1500	-113.14	-120.13	-127.82	-135.71	-146.93
1600	-112.16	-121.55	-127.27	-134.07	-147.06
1700	-111.48	-121.33	-126.69	-134.22	-147.19
1800	-110.24	-120.78	-126.55	-132.12	-147.43
1900	-111.82	-120.71	-126.02	-134.46	-147.35
2000	-108.86	-119.90	-125.57	-132.85	-147.45
2100	-109.11	-119.34	-125.22	-131.84	-147.58
2200	-110.37	-117.21	-124.72	-133.18	-147.66
2300	-109.47	-117.20	-124.34	-131.93	-147.69
2400	-109.54	-118.38	-123.66	-130.65	-147.70
2600	-108.54	-117.50	-122.93	-130.19	-147.59
2800	-106.26	-115.18	-122.35	-129.00	-147.98
3000	-106.33	-115.05	-122.30	-125.63	-147.83
3200	-104.91	-116.02	-121.84	-123.57	-147.83
3400	-105.50	-115.15	-120.91	-124.40	-147.36
3600	-105.42	-113.24	-120.67	-124.29	-147.55
3800	-103.69	-114.98	-120.01	-128.58	-147.44
4000	-104.81	-113.87	-119.35	-126.59	-146.74
4100	-104.07	-114.09	-119.41	-125.99	-147.26
4200	-104.54	-112.93	-118.70	-125.39	-146.82
4300	-102.36	-110.56	-118.40	-127.84	-146.72
4400	-101.32	-109.81	-118.31	-127.20	-146.87
4500	-101.71	-111.08	-118.34	-126.55	-147.47
4600	-101.36	-110.93	-118.21	-125.80	-147.04
4700	-103.18	-112.50	-117.94	-125.21	-147.16
4800	-100.89	-112.65	-117.88	-124.62	-146.86
4900	-100.31	-112.31	-117.78	-123.89	-147.27
5000	-103.77	-112.09	-117.31	-125.20	-146.99
5100	-101.99	-111.85	-117.24	-124.96	-147.21
5200	-101.98	-111.72	-117.12	-124.30	-147.28
5300	-101.14	-111.76	-117.17	-123.77	-147.68
5400	-102.73	-111.39	-116.93	-122.68	-147.17
5500	-101.05	-111.35	-116.73	-123.85	-147.38
5600	-100.86	-110.96	-116.41	-123.11	-147.23
5700	-99.86	-110.66	-116.38	-122.60	-146.87
5800	-99.74	-110.76	-116.15	-121.53	-147.21
5900	-100.34	-110.77	-116.30	-121.14	-146.86
6000	-99.71	-110.21	-116.08	-119.35	-146.49

Freq. (MHz)	Power (dBM) Max
700	25.06
800	25.12
900	25.18
1000	25.17
1100	25.17
1200	25.14
1300	24.68
1400	24.28
1500	24.27
1600	24.25
1700	24.26
1800	24.27
1900	24.77
2000	25.18
2100	25.12
2200	25.13
2300	25.17
2400	25.24
2600	25.20
2800	25.26
3000	25.39
3200	25.39
3400	25.33
3600	25.25
3800	25.30
4000	25.30
4100	25.28
4200	25.13
4300	24.97
4400	24.96
4500	24.89
4600	24.88
4700	24.98
4800	25.25
4900	25.24
5000	24.76
5100	24.53
5200	24.64
5300	24.74
5400	24.75
5500	24.72
5600	24.65
5700	24.40
5800	24.21
5900	24.00
6000	23.77

Signal Generator

SSG-R7N6G-RC

Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Freq. Offsets (kHz)	Phase Noise vs. Offset Frequency (dBc / Hz)					
	700 MHz	2000 MHz	3000 MHz	4000 MHz	5000 MHz	6000 MHz
1	-117.29	-108.86	-106.33	-104.81	-103.77	-99.71
10	-127.46	-119.90	-115.05	-113.87	-112.09	-110.21
100	-132.93	-125.57	-122.30	-119.35	-117.31	-116.08
1000	-140.30	-132.85	-125.63	-126.59	-125.20	-119.35
10000	-143.21	-147.45	-147.83	-146.74	-146.99	-146.49

Freq. (MHz)	Spurious (dBc)	
	Far	Near
700	-67.72	-77.95
800	-67.78	-77.80
900	-68.04	-77.37
1000	-68.51	-77.74
1100	-67.37	-77.90
1200	-67.24	-78.53
1300	-67.94	-77.76
1400	-67.68	-77.30
1500	-67.56	-78.18
1600	-68.04	-78.14
1700	-68.30	-78.43
1800	-67.77	-78.17
1900	-67.10	-77.17
2000	-66.66	-77.05
2100	-66.99	-77.13
2200	-67.02	-76.01
2300	-66.91	-75.90
2400	-66.37	-72.86
2600	-66.40	-75.23
2800	-65.99	-76.09
3000	-65.57	-75.86
3200	-66.22	-74.15
3400	-66.04	-74.59
3600	-65.49	-75.30
3800	-66.54	-70.83
4000	-66.67	-70.24
4100	-66.02	-71.14
4200	-65.70	-72.21
4300	-66.04	-71.30
4400	-66.19	-68.83
4500	-66.56	-68.60
4600	-66.54	-68.25
4700	-66.11	-67.79
4800	-66.01	-70.47
4900	-66.00	-70.75
5000	-64.83	-70.53
5100	-64.38	-71.43
5200	-65.49	-70.80
5300	-66.04	-70.50
5400	-66.11	-71.45
5500	-65.85	-70.69
5600	-65.22	-69.48
5700	-65.04	-69.89
5800	-64.81	-70.52
5900	-64.74	-68.96
6000	-65.32	-66.99

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

Signal Generator

SSG-R7N6G-RC

Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Freq. (MHz)	Power deviation from nominal vs. Output Frequency (dB)									
	-55 dBm	-50 dBm	-40 dBm	-30 dBm	-20 dBm	-10 dBm	0 dBm	+10 dBm	+15 dBm	+20 dBm
700	0.02	0.04	0.00	0.04	-0.02	-0.06	-0.06	-0.05	0.01	0.08
800	0.07	0.05	0.01	0.04	-0.01	-0.04	-0.04	-0.04	0.01	0.08
900	0.14	0.10	0.05	0.08	0.02	0.00	-0.03	-0.02	0.02	0.09
1000	0.14	0.10	0.04	0.08	0.03	-0.03	-0.04	-0.01	-0.01	0.04
1100	0.14	0.14	0.09	0.09	0.05	-0.02	-0.01	0.04	0.01	0.05
1200	0.19	0.22	0.15	0.03	-0.01	-0.02	-0.02	0.04	0.00	0.03
1300	0.19	0.20	0.14	0.03	-0.02	-0.03	-0.03	0.05	0.05	0.19
1400	0.19	0.17	0.15	0.09	0.02	-0.03	-0.04	0.05	0.07	0.34
1500	0.13	0.12	0.10	0.07	-0.01	-0.08	-0.07	-0.01	0.03	0.30
1600	0.09	0.09	0.07	0.02	-0.04	-0.07	-0.04	0.00	0.05	0.32
1700	0.16	0.15	0.15	0.03	-0.02	0.00	0.02	0.07	0.12	0.40
1800	0.19	0.16	0.17	0.04	0.00	0.02	0.05	0.11	0.16	0.43
1900	0.22	0.16	0.17	0.03	-0.01	0.02	0.04	0.10	0.11	0.28
2000	0.10	0.08	0.11	0.01	-0.03	0.01	0.01	0.07	0.04	0.13
2100	-0.02	0.02	0.04	0.00	-0.05	-0.03	-0.03	0.05	0.02	0.14
2200	0.04	0.07	0.05	-0.04	-0.09	-0.08	-0.07	0.00	-0.04	0.08
2300	0.07	0.08	0.05	-0.04	-0.09	-0.10	-0.10	-0.05	-0.07	0.04
2400	0.07	0.08	0.05	-0.01	-0.07	-0.07	-0.07	-0.02	-0.01	0.08
2600	0.07	0.05	0.05	0.05	-0.06	-0.07	-0.09	-0.03	0.01	0.09
2800	0.09	0.10	0.11	0.07	-0.06	-0.09	-0.10	-0.04	0.00	0.12
3000	0.08	0.05	0.08	0.02	-0.03	0.02	-0.01	0.06	0.12	0.25
3200	0.13	0.13	0.14	0.04	-0.01	0.00	-0.02	0.04	0.13	0.22
3400	0.06	0.07	0.12	0.07	-0.13	-0.11	-0.14	-0.08	0.00	0.16
3600	-0.07	-0.04	0.01	-0.04	-0.12	-0.13	-0.12	-0.07	0.01	0.16
3800	0.03	0.00	0.05	0.06	0.00	-0.06	-0.09	-0.01	0.11	0.26
4000	0.11	0.07	0.08	0.09	-0.03	-0.03	-0.07	0.03	0.10	0.25
4100	0.02	0.03	0.03	-0.01	-0.04	-0.08	-0.08	-0.02	0.02	0.16
4200	0.00	-0.01	-0.06	-0.10	-0.06	-0.15	-0.14	-0.12	-0.05	0.03
4300	-0.12	-0.08	-0.07	-0.06	-0.05	-0.15	-0.14	-0.10	-0.05	-0.02
4400	-0.18	-0.09	-0.03	0.04	-0.02	-0.10	-0.08	-0.03	-0.01	0.04
4500	-0.04	0.05	0.06	0.10	0.00	-0.09	-0.08	-0.02	0.00	0.09
4600	0.21	0.23	0.16	0.13	0.03	-0.06	-0.07	0.00	0.00	0.15
4700	0.12	0.16	0.13	0.11	0.01	-0.05	-0.08	0.01	0.02	0.22
4800	-0.11	0.01	0.02	0.03	0.07	0.07	0.06	0.16	0.22	0.40
4900	-0.11	0.02	0.01	0.07	0.10	0.11	0.10	0.21	0.30	0.44
5000	-0.04	0.06	0.05	0.10	0.12	-0.04	-0.07	0.04	0.10	0.27
5100	0.04	0.05	0.06	0.01	0.10	-0.12	-0.14	-0.06	0.00	0.20
5200	0.04	0.03	0.09	0.02	0.00	-0.09	-0.12	-0.07	0.06	0.27
5300	0.13	0.12	0.14	0.08	-0.04	-0.07	-0.11	-0.07	0.09	0.28
5400	0.16	0.11	0.11	0.08	-0.02	-0.07	-0.15	-0.07	0.07	0.23
5500	-0.06	-0.05	0.03	0.06	-0.03	-0.10	-0.17	-0.07	0.07	0.17
5600	-0.09	-0.07	0.00	0.04	-0.04	-0.10	-0.10	-0.04	0.07	0.14
5700	-0.02	-0.04	0.02	0.06	-0.01	-0.08	0.00	0.03	0.10	0.13
5800	0.06	0.04	0.05	0.06	0.00	-0.09	0.03	0.04	0.10	0.14
5900	0.15	0.11	0.09	0.07	-0.03	-0.15	-0.03	-0.04	0.02	0.17
6000	0.03	-0.03	-0.03	0.01	-0.06	-0.15	-0.04	-0.04	0.02	0.23

Signal Generator

SSG-R7N6G-RC

Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Power (dBm)	Power deviation from nominal vs. Output Power (dB)									
	700 MHz	1000 MHz	2000 MHz	2500 MHz	3000 MHz	4000 MHz	4500 MHz	5000 MHz	5500 MHz	6000 MHz
-55	0.01	0.16	0.23	0.09	0.13	0.24	-0.17	-0.10	0.08	0.13
-54	0.02	0.16	0.22	0.09	0.12	0.22	-0.16	-0.07	0.06	0.13
-53	0.02	0.15	0.21	0.09	0.11	0.19	-0.14	-0.04	0.05	0.12
-52	0.03	0.14	0.19	0.09	0.10	0.16	-0.12	-0.01	0.03	0.12
-51	0.04	0.14	0.18	0.09	0.09	0.13	-0.10	0.02	0.02	0.11
-50	0.05	0.13	0.16	0.09	0.08	0.10	-0.08	0.05	0.01	0.11
-48	0.04	0.12	0.17	0.09	0.09	0.11	-0.08	0.06	0.01	0.11
-46	0.03	0.10	0.18	0.10	0.10	0.11	-0.08	0.08	0.01	0.11
-44	0.03	0.09	0.18	0.10	0.11	0.11	-0.07	0.08	0.01	0.11
-42	0.02	0.07	0.18	0.08	0.11	0.09	-0.05	0.07	0.03	0.11
-40	0.02	0.05	0.18	0.07	0.11	0.08	-0.03	0.06	0.05	0.12
-38	0.01	0.06	0.17	0.07	0.10	0.09	-0.03	0.06	0.03	0.13
-36	0.00	0.07	0.15	0.07	0.08	0.09	-0.03	0.07	0.01	0.13
-34	0.02	0.07	0.12	0.06	0.07	0.10	-0.01	0.09	0.02	0.13
-32	0.06	0.06	0.07	0.04	0.07	0.11	0.04	0.13	0.04	0.11
-30	0.10	0.05	0.02	0.01	0.06	0.12	0.08	0.16	0.07	0.10
-28	0.08	0.05	0.02	-0.01	0.02	0.09	0.03	0.14	0.08	0.09
-26	0.07	0.04	0.02	-0.03	-0.02	0.07	-0.02	0.12	0.09	0.08
-24	0.05	0.04	0.01	-0.04	-0.05	0.05	-0.05	0.11	0.07	0.05
-22	0.03	0.02	-0.01	-0.05	-0.06	0.03	-0.06	0.11	0.02	0.01
-20	0.01	0.01	-0.03	-0.06	-0.08	0.02	-0.07	0.10	-0.03	-0.04
-18	-0.01	-0.01	-0.02	-0.08	-0.09	0.02	-0.07	0.10	-0.04	-0.04
-16	-0.03	-0.03	-0.01	-0.09	-0.10	0.02	-0.08	0.09	-0.05	-0.04
-14	-0.03	-0.04	0.00	-0.09	-0.09	0.03	-0.10	0.09	-0.06	-0.07
-12	-0.03	-0.03	0.02	-0.07	-0.06	0.03	-0.13	0.08	-0.08	-0.13
-10	-0.03	-0.02	0.03	-0.04	-0.04	0.04	-0.15	0.08	-0.10	-0.18
-8	-0.03	-0.03	0.01	-0.05	-0.04	0.02	-0.16	0.07	-0.12	-0.15
-6	-0.03	-0.05	-0.01	-0.05	-0.04	0.01	-0.16	0.06	-0.14	-0.12
-4	-0.03	-0.06	-0.01	-0.05	-0.05	0.00	-0.16	0.05	-0.16	-0.10
-2	-0.03	-0.06	0.01	-0.04	-0.05	0.00	-0.15	0.04	-0.18	-0.08
0	-0.04	-0.06	0.03	-0.03	-0.05	0.00	-0.14	0.03	-0.20	-0.06
+2	-0.03	-0.05	0.03	-0.04	-0.03	0.04	-0.13	0.05	-0.17	-0.07
+4	-0.03	-0.05	0.03	-0.04	-0.01	0.08	-0.13	0.07	-0.14	-0.07
+6	-0.02	-0.05	0.04	-0.03	0.01	0.10	-0.12	0.09	-0.12	-0.08
+8	-0.01	-0.05	0.06	-0.01	0.02	0.11	-0.11	0.13	-0.11	-0.08
+10	-0.01	-0.05	0.08	0.01	0.03	0.12	-0.09	0.16	-0.09	-0.08
+11	0.01	-0.04	0.08	0.01	0.04	0.13	-0.09	0.18	-0.06	-0.07
+12	0.02	-0.04	0.07	0.02	0.04	0.15	-0.08	0.20	-0.03	-0.06
+13	0.03	-0.03	0.07	0.02	0.05	0.17	-0.08	0.22	-0.01	-0.04
+14	0.05	-0.03	0.06	0.03	0.05	0.19	-0.07	0.23	0.02	-0.03
+15	0.06	-0.02	0.06	0.03	0.06	0.21	-0.06	0.25	0.05	-0.02
+16	0.07	-0.01	0.07	0.05	0.09	0.23	-0.05	0.28	0.07	0.03
+17	0.09	0.00	0.09	0.06	0.12	0.26	-0.03	0.31	0.10	0.07
+18	0.11	0.01	0.10	0.07	0.15	0.29	-0.02	0.34	0.13	0.11
+19	0.12	0.02	0.12	0.09	0.17	0.32	0.00	0.36	0.15	0.16
+20	0.14	0.03	0.13	0.10	0.20	0.35	0.02	0.39	0.18	0.20

Signal Generator

SSG-R7N6G-RC

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
700	-30.15	-30.32	-32.32	-25.70	-18.15	-10.58	-11.10	-11.01	-11.48	-11.55
800	-27.99	-28.21	-28.24	-24.16	-17.73	-10.08	-10.59	-10.43	-11.23	-11.48
900	-25.99	-26.24	-25.25	-22.82	-17.37	-9.47	-10.10	-10.13	-11.30	-11.62
1000	-23.95	-24.39	-22.53	-21.57	-18.02	-9.00	-9.97	-10.31	-11.68	-11.66
1100	-22.31	-22.85	-20.11	-20.24	-18.73	-8.78	-9.83	-10.62	-12.11	-11.74
1200	-21.15	-21.82	-18.51	-19.25	-19.53	-8.39	-9.69	-10.82	-12.40	-11.83
1300	-13.44	-14.05	-14.00	-14.63	-14.40	-12.50	-13.81	-19.77	-22.18	-21.84
1400	-6.05	-6.73	-9.91	-10.33	-8.77	-16.65	-17.90	-28.79	-31.57	-32.10
1500	-6.02	-6.86	-9.54	-10.10	-8.65	-15.74	-17.36	-27.28	-29.71	-30.89
1600	-6.16	-6.99	-9.13	-9.81	-8.55	-15.07	-16.75	-25.57	-28.15	-29.07
1700	-6.32	-7.18	-8.71	-9.48	-8.43	-15.56	-17.20	-25.90	-28.65	-28.74
1800	-6.51	-7.46	-8.24	-9.13	-8.32	-16.19	-18.01	-26.51	-29.55	-28.70
1900	-10.46	-11.44	-13.47	-15.14	-16.86	-13.35	-15.26	-20.10	-23.21	-22.56
2000	-14.05	-15.09	-19.61	-22.07	-24.10	-10.74	-13.02	-14.04	-17.14	-17.31
2100	-13.81	-14.89	-21.36	-23.88	-22.26	-11.79	-14.24	-14.89	-18.16	-18.64
2200	-13.54	-14.75	-22.86	-25.37	-21.60	-12.90	-15.22	-15.63	-19.04	-19.68
2300	-12.98	-14.48	-23.93	-26.36	-20.90	-13.72	-16.23	-16.54	-20.02	-20.90
2400	-12.75	-14.26	-25.20	-27.30	-20.22	-15.10	-17.50	-17.51	-21.06	-22.10
2600	-13.41	-15.14	-28.53	-30.40	-20.30	-16.65	-19.58	-19.17	-22.83	-23.88
2800	-14.53	-16.08	-28.21	-30.80	-21.09	-20.02	-22.70	-22.59	-26.23	-26.61
3000	-14.72	-16.98	-26.08	-29.56	-21.95	-25.04	-27.74	-27.37	-30.80	-30.45
3200	-16.85	-18.10	-24.50	-28.26	-22.51	-32.35	-35.28	-34.61	-37.52	-36.36
3400	-15.22	-17.49	-24.53	-28.58	-22.06	-39.98	-42.59	-41.59	-44.48	-43.58
3600	-16.23	-18.28	-26.34	-30.72	-21.27	-54.25	-50.00	-44.70	-46.33	-45.58
3800	-15.81	-17.75	-27.93	-32.53	-20.70	-38.10	-41.63	-37.32	-39.47	-37.63
4000	-14.52	-17.06	-30.73	-34.75	-19.91	-42.29	-44.97	-36.89	-38.73	-40.26
4100	-13.41	-17.29	-32.31	-36.51	-19.90	-45.80	-46.23	-36.69	-38.12	-43.65
4200	-17.02	-19.77	-36.75	-39.02	-19.84	-48.19	-47.46	-38.17	-39.55	-45.01
4300	-18.48	-20.73	-41.14	-39.01	-20.10	-46.05	-48.29	-40.54	-42.44	-45.57
4400	-19.01	-21.52	-41.00	-37.99	-20.90	-46.63	-50.98	-43.57	-46.07	-46.44
4500	-21.46	-23.31	-39.02	-37.44	-21.78	-49.86	-53.67	-47.78	-50.65	-48.06
4600	-24.20	-24.83	-38.19	-37.30	-22.64	-55.33	-58.04	-54.31	-57.77	-51.73
4700	-25.12	-26.00	-38.43	-37.74	-24.21	-55.11	-61.12	-59.58	-64.65	-55.12
4800	-26.08	-27.85	-39.40	-38.51	-25.91	-44.35	-54.77	-55.56	-60.59	-47.52
4900	-28.32	-29.79	-39.57	-39.06	-27.18	-46.82	-55.00	-56.07	-59.37	-44.14
5000	-29.99	-31.17	-36.94	-47.04	-29.07	-52.39	-58.65	-60.31	-58.98	-45.74
5100	-31.48	-32.72	-35.28	-56.65	-31.19	-45.25	-52.97	-56.75	-51.53	-40.94
5200	-32.46	-34.90	-44.01	-61.81	-33.40	-43.80	-50.65	-50.42	-48.75	-38.15
5300	-32.88	-36.67	-51.60	-69.41	-34.93	-43.87	-49.38	-44.15	-46.58	-35.89
5400	-32.50	-36.12	-49.98	-67.36	-33.21	-35.70	-41.74	-40.23	-43.79	-33.79
5500	-32.04	-33.19	-47.28	-56.86	-29.38	-25.86	-33.24	-38.65	-42.13	-31.63
5600	-32.80	-30.58	-42.07	-49.68	-26.15	-28.69	-39.92	-41.57	-41.76	-30.31
5700	-27.89	-27.79	-37.76	-44.60	-24.17	-37.84	-48.45	-43.85	-41.87	-31.23
5800	-24.35	-26.81	-36.38	-40.66	-22.95	-40.22	-46.93	-44.69	-43.11	-33.72
5900	-22.43	-26.15	-36.05	-38.33	-22.45	-37.45	-44.90	-45.43	-44.65	-36.81
6000	-24.66	-29.75	-35.23	-38.13	-22.63	-36.22	-45.69	-47.21	-46.46	-39.47

Signal Generator

SSG-R7N6G-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
700	-117.38	-127.08	-131.82	-137.20	-142.31
800	-114.82	-125.00	-131.08	-136.55	-142.59
900	-118.03	-124.56	-130.29	-135.30	-143.30
1000	-114.67	-123.93	-129.40	-135.88	-142.58
1100	-114.43	-123.19	-128.80	-136.75	-143.11
1200	-115.23	-123.44	-128.98	-134.94	-143.72
1300	-115.03	-123.97	-129.18	-136.67	-146.51
1400	-111.85	-122.95	-128.66	-134.76	-146.99
1500	-110.68	-122.48	-127.58	-135.64	-146.86
1600	-111.68	-121.45	-127.37	-133.66	-146.96
1700	-110.30	-120.52	-126.46	-134.08	-146.90
1800	-110.10	-120.98	-126.24	-131.88	-147.02
1900	-107.04	-120.49	-125.83	-134.00	-147.21
2000	-109.00	-119.16	-125.25	-132.66	-147.14
2100	-107.31	-118.99	-124.97	-131.16	-147.15
2200	-107.86	-118.60	-124.09	-132.75	-146.99
2300	-108.17	-118.59	-123.95	-131.36	-147.00
2400	-107.90	-118.76	-123.80	-130.26	-146.87
2600	-105.90	-116.45	-122.31	-129.69	-147.48
2800	-107.24	-116.42	-122.34	-128.95	-147.73
3000	-105.42	-115.49	-121.55	-125.97	-147.61
3200	-101.94	-115.35	-121.01	-123.17	-147.34
3400	-105.49	-115.34	-120.93	-124.34	-147.71
3600	-103.79	-114.54	-120.04	-123.98	-147.62
3800	-101.85	-114.18	-119.41	-127.75	-147.36
4000	-103.68	-113.17	-119.32	-126.44	-147.46
4100	-101.62	-113.24	-118.93	-125.85	-147.43
4200	-100.57	-112.98	-118.84	-124.97	-147.49
4300	-101.99	-112.69	-118.47	-124.22	-146.76
4400	-98.85	-113.56	-118.19	-126.75	-146.46
4500	-101.55	-112.51	-118.13	-126.14	-147.02
4600	-100.89	-111.90	-117.96	-125.38	-147.24
4700	-100.24	-112.69	-117.77	-124.91	-146.91
4800	-99.66	-112.20	-117.69	-124.21	-146.86
4900	-101.77	-112.13	-117.40	-123.66	-147.00
5000	-100.52	-112.06	-117.05	-123.13	-146.50
5100	-100.05	-110.99	-116.84	-124.60	-147.22
5200	-99.54	-111.54	-116.75	-124.04	-146.52
5300	-101.05	-110.75	-116.50	-123.43	-147.09
5400	-100.39	-111.41	-116.60	-122.53	-147.16
5500	-99.87	-110.69	-116.53	-121.89	-146.71
5600	-100.83	-111.46	-116.13	-123.16	-146.85
5700	-98.40	-110.29	-115.98	-122.44	-147.07
5800	-100.86	-110.67	-116.14	-121.65	-147.05
5900	-100.91	-110.31	-115.90	-121.15	-146.85
6000	-97.88	-109.87	-115.80	-120.42	-146.76

Freq. (MHz)	Power (dBM) Max
700	24.99
800	25.05
900	25.14
1000	25.15
1100	25.19
1200	25.21
1300	24.69
1400	24.21
1500	24.18
1600	24.14
1700	24.12
1800	24.12
1900	24.70
2000	25.20
2100	25.11
2200	25.11
2300	25.12
2400	25.14
2600	25.07
2800	25.06
3000	25.15
3200	25.14
3400	25.09
3600	25.12
3800	25.17
4000	25.15
4100	25.10
4200	24.90
4300	24.71
4400	24.69
4500	24.63
4600	24.59
4700	24.66
4800	24.89
4900	24.86
5000	24.42
5100	24.24
5200	24.33
5300	24.38
5400	24.37
5500	24.33
5600	24.25
5700	24.05
5800	23.89
5900	23.70
6000	23.48

Signal Generator

SSG-R7N6G-RC

Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Freq. Offsets (kHz)	Phase Noise vs. Offset Frequency (dBc / Hz)					
	700 MHz	2000 MHz	3000 MHz	4000 MHz	5000 MHz	6000 MHz
1	-117.38	-109.00	-105.42	-103.68	-100.52	-97.88
10	-127.08	-119.16	-115.49	-113.17	-112.06	-109.87
100	-131.82	-125.25	-121.55	-119.32	-117.05	-115.80
1000	-137.20	-132.66	-125.97	-126.44	-123.13	-120.42
10000	-142.31	-147.14	-147.61	-147.46	-146.50	-146.76

Freq. (MHz)	Spurious (dBc)	
	Far	Near
700	-66.94	-78.39
800	-64.66	-77.62
900	-68.54	-76.38
1000	-67.79	-79.63
1100	-68.67	-78.80
1200	-67.87	-78.49
1300	-68.30	-76.54
1400	-67.07	-81.16
1500	-67.39	-76.25
1600	-66.97	-74.63
1700	-66.32	-76.70
1800	-66.69	-74.77
1900	-67.32	-77.71
2000	-70.82	-75.49
2100	-64.56	-78.13
2200	-67.81	-78.78
2300	-66.95	-78.14
2400	-67.95	-77.55
2600	-67.55	-77.36
2800	-65.89	-76.55
3000	-67.66	-73.03
3200	-65.50	-75.73
3400	-67.07	-75.21
3600	-70.05	-82.19
3800	-68.85	-68.73
4000	-68.38	-69.91
4100	-65.63	-70.86
4200	-65.30	-71.78
4300	-66.94	-69.39
4400	-65.19	-73.60
4500	-67.22	-70.01
4600	-67.18	-69.46
4700	-67.78	-73.51
4800	-67.88	-69.14
4900	-64.91	-72.98
5000	-65.68	-73.56
5100	-65.72	-72.44
5200	-66.93	-67.83
5300	-65.68	-66.07
5400	-65.73	-73.64
5500	-66.54	-73.65
5600	-63.44	-65.77
5700	-67.75	-71.18
5800	-64.84	-71.04
5900	-65.47	-71.49
6000	-67.75	-67.97

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

Signal Generator

SSG-R7N6G-RC

Typical Performance Data

Test Conditions: @ Temperature = 50°C.

Freq. (MHz)	Power deviation from nominal vs. Output Frequency (dB)									
	-55 dBm	-50 dBm	-40 dBm	-30 dBm	-20 dBm	-10 dBm	0 dBm	+10 dBm	+15 dBm	+20 dBm
700	-0.14	-0.26	-0.29	-0.24	-0.31	-0.36	-0.42	-0.36	-0.32	-0.17
800	-0.07	-0.22	-0.26	-0.19	-0.29	-0.32	-0.38	-0.33	-0.29	-0.12
900	-0.06	-0.14	-0.23	-0.11	-0.25	-0.29	-0.36	-0.31	-0.27	-0.06
1000	-0.12	-0.15	-0.24	-0.11	-0.27	-0.33	-0.38	-0.34	-0.28	-0.05
1100	-0.12	-0.14	-0.20	-0.09	-0.25	-0.31	-0.36	-0.33	-0.24	-0.02
1200	-0.08	-0.08	-0.15	-0.19	-0.32	-0.33	-0.37	-0.32	-0.24	-0.02
1300	-0.06	-0.11	-0.17	-0.23	-0.35	-0.36	-0.38	-0.34	-0.25	0.06
1400	-0.02	-0.13	-0.17	-0.18	-0.31	-0.37	-0.42	-0.37	-0.28	0.13
1500	-0.08	-0.18	-0.20	-0.23	-0.36	-0.41	-0.48	-0.41	-0.35	0.07
1600	-0.13	-0.23	-0.23	-0.26	-0.38	-0.43	-0.47	-0.41	-0.32	0.06
1700	-0.04	-0.14	-0.18	-0.25	-0.35	-0.36	-0.42	-0.36	-0.25	0.12
1800	-0.02	-0.10	-0.16	-0.23	-0.32	-0.30	-0.37	-0.32	-0.22	0.15
1900	-0.06	-0.11	-0.17	-0.19	-0.26	-0.26	-0.36	-0.28	-0.22	0.08
2000	-0.13	-0.19	-0.24	-0.20	-0.27	-0.29	-0.39	-0.29	-0.26	0.00
2100	-0.19	-0.27	-0.31	-0.22	-0.31	-0.36	-0.41	-0.33	-0.31	-0.04
2200	-0.19	-0.23	-0.28	-0.25	-0.34	-0.41	-0.44	-0.39	-0.33	-0.07
2300	-0.21	-0.21	-0.26	-0.26	-0.36	-0.43	-0.44	-0.43	-0.33	-0.09
2400	-0.23	-0.24	-0.27	-0.22	-0.34	-0.40	-0.40	-0.40	-0.31	-0.07
2600	-0.23	-0.25	-0.27	-0.25	-0.30	-0.37	-0.42	-0.37	-0.29	-0.08
2800	-0.05	-0.14	-0.20	-0.28	-0.34	-0.40	-0.40	-0.37	-0.29	-0.10
3000	-0.19	-0.27	-0.28	-0.19	-0.33	-0.31	-0.35	-0.28	-0.18	-0.03
3200	-0.18	-0.20	-0.20	-0.23	-0.31	-0.28	-0.34	-0.28	-0.19	-0.04
3400	-0.15	-0.18	-0.23	-0.29	-0.40	-0.43	-0.48	-0.39	-0.27	-0.09
3600	-0.34	-0.30	-0.34	-0.38	-0.37	-0.40	-0.42	-0.34	-0.24	-0.11
3800	-0.08	-0.15	-0.18	-0.21	-0.20	-0.30	-0.32	-0.26	-0.12	0.04
4000	-0.15	-0.18	-0.20	-0.26	-0.27	-0.32	-0.34	-0.31	-0.19	0.00
4100	-0.15	-0.15	-0.17	-0.30	-0.25	-0.31	-0.33	-0.30	-0.20	0.03
4200	-0.18	-0.22	-0.24	-0.38	-0.26	-0.37	-0.40	-0.36	-0.23	0.00
4300	-0.26	-0.31	-0.31	-0.38	-0.28	-0.36	-0.40	-0.40	-0.23	0.01
4400	-0.26	-0.31	-0.30	-0.29	-0.25	-0.29	-0.34	-0.30	-0.12	0.13
4500	-0.12	-0.20	-0.20	-0.23	-0.23	-0.30	-0.34	-0.29	-0.08	0.18
4600	-0.16	-0.22	-0.17	-0.25	-0.23	-0.33	-0.36	-0.28	-0.09	0.18
4700	-0.28	-0.25	-0.18	-0.25	-0.27	-0.38	-0.39	-0.30	-0.10	0.14
4800	-0.12	-0.09	-0.12	-0.18	-0.14	-0.22	-0.22	-0.20	0.03	0.24
4900	-0.03	-0.06	-0.14	-0.15	-0.10	-0.15	-0.18	-0.16	0.05	0.21
5000	-0.07	-0.17	-0.25	-0.26	-0.28	-0.36	-0.38	-0.33	-0.11	0.08
5100	-0.08	-0.21	-0.27	-0.34	-0.33	-0.43	-0.39	-0.37	-0.15	0.07
5200	-0.09	-0.19	-0.19	-0.28	-0.27	-0.35	-0.31	-0.30	-0.09	0.06
5300	-0.02	-0.08	-0.11	-0.18	-0.24	-0.35	-0.31	-0.30	-0.06	0.05
5400	-0.11	-0.10	-0.13	-0.16	-0.21	-0.35	-0.32	-0.32	-0.08	0.08
5500	-0.14	-0.13	-0.18	-0.17	-0.14	-0.32	-0.31	-0.28	-0.08	0.14
5600	0.08	-0.05	-0.17	-0.15	-0.12	-0.28	-0.28	-0.22	-0.06	0.15
5700	0.02	-0.13	-0.22	-0.21	-0.14	-0.27	-0.27	-0.18	-0.01	0.13
5800	-0.20	-0.23	-0.20	-0.22	-0.11	-0.25	-0.29	-0.16	0.03	0.13
5900	-0.24	-0.16	-0.08	-0.16	-0.10	-0.26	-0.34	-0.20	0.00	0.06
6000	0.15	0.14	0.01	-0.13	-0.06	-0.21	-0.26	-0.13	0.09	0.05

Signal Generator SSG-R7N6G-RC

Typical Performance Data

Test Conditions: @ Temperature = 50°C.

Power (dBm)	Power deviation from nominal vs. Output Power (dB)									
	700 MHz	1000 MHz	2000 MHz	2500 MHz	3000 MHz	4000 MHz	4500 MHz	5000 MHz	5500 MHz	6000 MHz
-55	-0.16	-0.08	-0.07	-0.25	-0.14	-0.17	-0.19	-0.09	-0.27	-0.20
-54	-0.18	-0.09	-0.07	-0.25	-0.16	-0.18	-0.21	-0.10	-0.25	-0.18
-53	-0.20	-0.09	-0.08	-0.25	-0.18	-0.20	-0.22	-0.11	-0.24	-0.15
-52	-0.21	-0.10	-0.09	-0.25	-0.21	-0.21	-0.23	-0.12	-0.23	-0.13
-51	-0.23	-0.11	-0.10	-0.25	-0.23	-0.23	-0.25	-0.13	-0.22	-0.11
-50	-0.25	-0.11	-0.10	-0.24	-0.25	-0.24	-0.26	-0.13	-0.21	-0.09
-48	-0.25	-0.13	-0.11	-0.25	-0.25	-0.23	-0.27	-0.16	-0.21	-0.07
-46	-0.24	-0.15	-0.12	-0.26	-0.25	-0.23	-0.28	-0.18	-0.20	-0.05
-44	-0.25	-0.18	-0.13	-0.26	-0.26	-0.23	-0.28	-0.19	-0.20	-0.03
-42	-0.27	-0.21	-0.15	-0.26	-0.27	-0.24	-0.27	-0.19	-0.20	-0.02
-40	-0.29	-0.24	-0.17	-0.27	-0.27	-0.25	-0.26	-0.19	-0.19	-0.01
-38	-0.24	-0.23	-0.17	-0.27	-0.29	-0.26	-0.29	-0.21	-0.21	-0.02
-36	-0.19	-0.22	-0.18	-0.28	-0.30	-0.26	-0.31	-0.23	-0.23	-0.03
-34	-0.17	-0.20	-0.18	-0.27	-0.29	-0.26	-0.31	-0.22	-0.23	-0.05
-32	-0.18	-0.17	-0.18	-0.24	-0.25	-0.26	-0.27	-0.19	-0.21	-0.09
-30	-0.19	-0.13	-0.18	-0.20	-0.22	-0.26	-0.24	-0.16	-0.18	-0.13
-28	-0.19	-0.19	-0.21	-0.23	-0.26	-0.23	-0.24	-0.14	-0.20	-0.13
-26	-0.20	-0.25	-0.24	-0.25	-0.29	-0.19	-0.24	-0.12	-0.22	-0.12
-24	-0.21	-0.28	-0.25	-0.27	-0.32	-0.19	-0.24	-0.12	-0.22	-0.12
-22	-0.24	-0.28	-0.24	-0.29	-0.35	-0.22	-0.26	-0.14	-0.21	-0.11
-20	-0.26	-0.29	-0.23	-0.31	-0.38	-0.25	-0.28	-0.17	-0.19	-0.10
-18	-0.29	-0.30	-0.25	-0.33	-0.40	-0.26	-0.27	-0.18	-0.22	-0.12
-16	-0.32	-0.31	-0.28	-0.35	-0.42	-0.27	-0.27	-0.19	-0.25	-0.14
-14	-0.33	-0.32	-0.28	-0.37	-0.42	-0.28	-0.28	-0.19	-0.29	-0.17
-12	-0.33	-0.32	-0.26	-0.37	-0.39	-0.29	-0.30	-0.20	-0.33	-0.22
-10	-0.33	-0.33	-0.24	-0.37	-0.36	-0.30	-0.33	-0.21	-0.37	-0.27
-8	-0.36	-0.34	-0.25	-0.37	-0.35	-0.30	-0.35	-0.22	-0.37	-0.28
-6	-0.39	-0.36	-0.27	-0.38	-0.35	-0.30	-0.36	-0.22	-0.37	-0.29
-4	-0.40	-0.37	-0.29	-0.38	-0.35	-0.31	-0.37	-0.24	-0.37	-0.31
-2	-0.40	-0.39	-0.33	-0.38	-0.36	-0.32	-0.38	-0.26	-0.35	-0.33
0	-0.39	-0.40	-0.37	-0.38	-0.37	-0.33	-0.38	-0.29	-0.34	-0.35
+2	-0.38	-0.40	-0.36	-0.37	-0.36	-0.32	-0.37	-0.28	-0.36	-0.35
+4	-0.37	-0.40	-0.35	-0.37	-0.34	-0.31	-0.37	-0.28	-0.39	-0.34
+6	-0.36	-0.39	-0.33	-0.37	-0.33	-0.29	-0.35	-0.27	-0.38	-0.31
+8	-0.35	-0.37	-0.29	-0.38	-0.32	-0.26	-0.33	-0.25	-0.36	-0.26
+10	-0.34	-0.35	-0.26	-0.38	-0.31	-0.23	-0.31	-0.23	-0.34	-0.22
+11	-0.33	-0.34	-0.25	-0.37	-0.29	-0.20	-0.27	-0.19	-0.29	-0.18
+12	-0.32	-0.33	-0.25	-0.35	-0.27	-0.17	-0.24	-0.15	-0.25	-0.13
+13	-0.31	-0.32	-0.24	-0.34	-0.25	-0.14	-0.20	-0.11	-0.21	-0.09
+14	-0.30	-0.31	-0.23	-0.32	-0.23	-0.12	-0.17	-0.07	-0.16	-0.05
+15	-0.29	-0.30	-0.23	-0.31	-0.21	-0.09	-0.14	-0.03	-0.12	-0.01
+16	-0.27	-0.26	-0.18	-0.26	-0.18	-0.06	-0.08	0.00	-0.07	-0.01
+17	-0.24	-0.21	-0.13	-0.21	-0.15	-0.03	-0.03	0.03	-0.03	0.00
+18	-0.21	-0.16	-0.08	-0.15	-0.12	0.00	0.02	0.05	0.01	0.00
+19	-0.19	-0.12	-0.03	-0.10	-0.10	0.03	0.07	0.08	0.05	0.00
+20	-0.16	-0.07	0.02	-0.05	-0.07	0.05	0.12	0.10	0.09	0.01

Signal Generator

SSG-R7N6G-RC

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
700	-30.02	-29.95	-31.52	-25.95	-18.19	-10.71	-11.23	-11.26	-11.71	-11.74
800	-27.61	-27.85	-27.61	-24.33	-17.80	-10.20	-10.72	-10.74	-11.51	-11.69
900	-25.36	-25.85	-24.73	-22.92	-17.45	-9.53	-10.21	-10.48	-11.62	-11.82
1000	-23.54	-24.04	-22.22	-21.63	-18.13	-9.04	-10.04	-10.68	-12.01	-11.85
1100	-22.16	-22.49	-19.91	-20.25	-18.87	-8.84	-9.87	-10.99	-12.42	-11.90
1200	-20.89	-21.41	-18.33	-19.17	-19.63	-8.43	-9.68	-11.14	-12.65	-11.95
1300	-13.27	-13.90	-13.93	-14.60	-14.47	-12.31	-13.62	-19.42	-21.42	-21.96
1400	-6.17	-6.82	-9.84	-10.29	-8.80	-16.25	-17.57	-27.48	-29.80	-31.84
1500	-6.11	-6.94	-9.27	-9.89	-8.58	-15.42	-17.04	-26.06	-28.36	-30.32
1600	-6.26	-7.07	-8.77	-9.48	-8.40	-14.70	-16.39	-25.09	-27.59	-28.67
1700	-6.40	-7.28	-8.31	-9.10	-8.25	-15.06	-16.79	-25.80	-28.47	-28.36
1800	-6.60	-7.58	-7.86	-8.76	-8.13	-15.69	-17.56	-26.59	-29.48	-28.24
1900	-10.26	-11.25	-13.56	-15.14	-16.38	-13.07	-15.03	-20.23	-23.25	-22.47
2000	-13.61	-14.63	-20.09	-22.32	-23.42	-10.77	-13.11	-14.17	-17.27	-17.62
2100	-13.33	-14.45	-21.68	-23.92	-21.83	-11.94	-14.35	-15.08	-18.35	-18.97
2200	-12.98	-14.29	-23.10	-25.28	-21.29	-12.96	-15.29	-15.86	-19.27	-20.02
2300	-12.56	-14.05	-24.12	-26.17	-20.62	-13.75	-16.30	-16.81	-20.31	-21.29
2400	-12.34	-13.83	-25.13	-26.90	-20.14	-15.10	-17.54	-17.79	-21.35	-22.47
2600	-12.92	-14.67	-27.64	-29.34	-20.64	-16.70	-19.77	-19.56	-23.22	-24.23
2800	-13.77	-15.43	-27.13	-29.48	-21.59	-20.51	-23.19	-23.16	-26.77	-27.04
3000	-14.22	-16.45	-25.91	-28.93	-22.26	-25.88	-28.67	-28.14	-31.59	-31.15
3200	-16.13	-17.51	-24.85	-28.21	-22.54	-33.87	-36.70	-35.47	-38.42	-37.29
3400	-14.80	-17.10	-24.87	-28.47	-22.04	-41.46	-44.81	-42.87	-45.71	-44.82
3600	-15.94	-17.97	-27.19	-30.96	-21.18	-51.74	-51.79	-45.60	-47.49	-46.79
3800	-15.64	-17.56	-28.65	-32.34	-20.71	-40.22	-43.94	-38.43	-40.53	-38.32
4000	-14.96	-17.11	-31.27	-34.38	-20.18	-44.29	-46.18	-37.05	-39.16	-40.31
4100	-13.59	-17.18	-33.25	-36.11	-20.20	-46.51	-47.55	-37.41	-38.82	-42.53
4200	-16.08	-19.13	-37.08	-38.40	-20.14	-46.48	-48.61	-39.10	-40.63	-43.06
4300	-18.01	-20.43	-39.72	-38.48	-20.39	-45.59	-49.78	-41.63	-43.69	-43.40
4400	-19.56	-21.75	-38.86	-37.52	-21.18	-47.41	-52.16	-44.81	-47.48	-44.43
4500	-22.22	-23.61	-37.53	-37.06	-22.07	-50.89	-55.10	-49.12	-52.16	-46.34
4600	-24.47	-25.00	-37.01	-37.00	-22.93	-57.55	-59.52	-55.71	-59.46	-50.56
4700	-24.62	-26.00	-37.22	-37.44	-24.45	-56.96	-61.94	-60.11	-65.94	-53.99
4800	-26.11	-28.03	-38.22	-38.27	-26.16	-46.17	-57.13	-56.05	-61.11	-46.01
4900	-28.97	-30.27	-38.68	-38.91	-27.50	-48.84	-57.95	-55.89	-59.08	-42.94
5000	-30.89	-31.96	-45.42	-46.12	-29.52	-53.93	-60.04	-54.98	-58.84	-45.09
5100	-32.04	-33.55	-52.14	-54.32	-31.87	-47.93	-54.59	-48.78	-52.49	-40.47
5200	-32.80	-35.86	-53.34	-59.17	-34.44	-46.70	-57.44	-47.68	-49.99	-37.65
5300	-33.82	-37.76	-55.63	-66.06	-36.01	-43.67	-53.65	-45.24	-47.48	-35.50
5400	-33.27	-36.77	-54.89	-63.39	-33.85	-36.27	-41.68	-41.66	-44.88	-33.55
5500	-34.71	-34.17	-49.97	-54.20	-29.69	-29.56	-36.25	-41.51	-43.56	-31.62
5600	-36.05	-31.86	-43.52	-48.50	-26.41	-31.72	-42.21	-43.55	-43.05	-30.66
5700	-28.70	-28.45	-39.74	-43.91	-24.43	-40.41	-50.37	-45.00	-43.28	-31.70
5800	-23.06	-26.53	-38.44	-40.25	-23.17	-42.25	-49.13	-46.45	-44.76	-33.99
5900	-21.64	-26.38	-36.98	-38.29	-22.49	-40.33	-47.09	-47.72	-46.46	-36.21
6000	-27.10	-31.32	-35.23	-38.23	-22.59	-43.24	-51.06	-51.59	-48.55	-37.75

Signal Generator

SSG-R7N6G-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
700	-117.79	-127.53	-132.37	-139.90	-142.68
800	-117.02	-126.71	-131.59	-137.55	-143.36
900	-114.67	-125.15	-130.29	-136.32	-143.86
1000	-115.61	-123.76	-129.18	-136.04	-143.36
1100	-114.45	-122.18	-128.88	-137.05	-143.82
1200	-113.59	-123.97	-128.99	-135.68	-144.31
1300	-114.47	-123.50	-128.65	-136.34	-146.17
1400	-111.54	-122.67	-127.94	-134.26	-146.43
1500	-111.46	-119.60	-127.29	-135.47	-146.67
1600	-111.69	-121.49	-126.70	-133.65	-146.64
1700	-110.26	-121.13	-126.11	-134.27	-146.97
1800	-110.36	-120.40	-125.92	-132.07	-146.98
1900	-111.24	-120.47	-125.29	-133.67	-146.97
2000	-108.02	-119.86	-125.02	-132.27	-147.04
2100	-110.19	-119.08	-124.48	-130.85	-147.02
2200	-108.24	-117.50	-123.66	-132.71	-147.14
2300	-108.20	-117.06	-123.62	-131.70	-147.38
2400	-107.46	-118.00	-123.22	-130.27	-147.73
2600	-108.29	-117.24	-122.40	-129.96	-147.58
2800	-106.91	-116.20	-121.66	-128.91	-147.37
3000	-105.22	-114.75	-121.75	-126.20	-147.67
3200	-105.57	-114.13	-121.19	-123.98	-147.52
3400	-104.77	-115.08	-120.31	-124.56	-147.07
3600	-103.12	-114.59	-119.97	-124.56	-147.21
3800	-103.62	-114.29	-119.26	-127.78	-146.94
4000	-104.28	-113.74	-118.77	-126.07	-146.87
4100	-103.65	-113.26	-118.48	-125.54	-147.07
4200	-102.68	-112.76	-118.31	-124.71	-146.46
4300	-99.39	-109.81	-117.85	-127.37	-146.44
4400	-99.94	-109.78	-117.89	-126.77	-146.54
4500	-102.85	-112.32	-117.87	-126.11	-146.97
4600	-99.95	-112.49	-117.57	-125.67	-146.74
4700	-101.07	-112.36	-117.36	-125.27	-146.68
4800	-101.55	-112.26	-117.21	-124.14	-146.69
4900	-101.02	-112.09	-117.05	-124.03	-146.88
5000	-101.25	-111.80	-116.59	-125.17	-147.01
5100	-101.62	-111.73	-116.53	-124.90	-147.50
5200	-101.07	-111.56	-116.53	-124.17	-147.22
5300	-100.98	-111.24	-116.29	-123.79	-147.23
5400	-101.76	-111.19	-116.28	-122.61	-147.08
5500	-101.49	-111.44	-116.06	-124.12	-147.28
5600	-99.00	-111.03	-115.99	-123.17	-147.38
5700	-100.78	-110.84	-115.91	-122.83	-147.27
5800	-101.46	-110.25	-115.69	-121.95	-147.31
5900	-99.01	-110.58	-115.68	-121.52	-146.80
6000	-99.56	-110.47	-115.80	-120.12	-146.61

Freq. (MHz)	Power (dBM) Max
700	24.94
800	24.96
900	25.06
1000	25.05
1100	25.04
1200	24.98
1300	24.50
1400	24.09
1500	24.03
1600	23.94
1700	23.90
1800	23.88
1900	24.49
2000	25.02
2100	24.95
2200	24.95
2300	24.97
2400	25.01
2600	24.93
2800	24.90
3000	24.95
3200	24.89
3400	24.82
3600	24.76
3800	24.80
4000	24.91
4100	24.79
4200	24.42
4300	24.25
4400	24.22
4500	24.15
4600	24.11
4700	24.17
4800	24.40
4900	24.36
5000	23.94
5100	23.77
5200	23.84
5300	23.87
5400	23.84
5500	23.78
5600	23.70
5700	23.55
5800	23.43
5900	23.28
6000	23.11

Signal Generator

SSG-R7N6G-RC

Typical Performance Data

Test Conditions: @ Temperature = 50°C.

Freq. Offsets (kHz)	Phase Noise vs. Offset Frequency (dBc / Hz)					
	700 MHz	2000 MHz	3000 MHz	4000 MHz	5000 MHz	6000 MHz
1	-117.79	-108.02	-105.22	-104.28	-101.25	-99.56
10	-127.53	-119.86	-114.75	-113.74	-111.80	-110.47
100	-132.37	-125.02	-121.75	-118.77	-116.59	-115.80
1000	-139.90	-132.27	-126.20	-126.07	-125.17	-120.12
10000	-142.68	-147.04	-147.67	-146.87	-147.01	-146.61

Freq. (MHz)	Spurious (dBc)	
	Far	Near
700	-67.63	-77.87
800	-68.12	-77.78
900	-67.81	-77.85
1000	-67.26	-77.24
1100	-67.28	-77.02
1200	-67.11	-77.63
1300	-66.15	-78.61
1400	-66.40	-79.12
1500	-66.88	-78.62
1600	-66.12	-77.83
1700	-66.41	-78.22
1800	-67.03	-78.59
1900	-66.96	-76.99
2000	-66.48	-76.76
2100	-66.50	-76.87
2200	-66.53	-76.88
2300	-65.76	-77.87
2400	-65.77	-78.49
2600	-64.81	-76.87
2800	-65.05	-75.53
3000	-65.84	-76.06
3200	-66.27	-76.39
3400	-65.92	-75.69
3600	-64.93	-73.78
3800	-66.67	-70.68
4000	-66.37	-70.96
4100	-66.25	-72.27
4200	-65.29	-73.13
4300	-65.92	-72.64
4400	-66.77	-70.99
4500	-66.56	-70.87
4600	-65.88	-71.54
4700	-64.69	-70.41
4800	-64.72	-70.30
4900	-64.87	-71.04
5000	-64.12	-71.14
5100	-64.73	-70.97
5200	-65.40	-69.49
5300	-65.63	-69.24
5400	-65.52	-70.22
5500	-65.24	-70.71
5600	-65.69	-70.38
5700	-65.56	-69.36
5800	-65.07	-69.39
5900	-64.57	-70.19
6000	-65.10	-69.06

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