Signal Generator

SSG-R7N6GD-RC

Typical Performance Data

Test Conditions: Channel 1 @ 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	-0.44	-0.23	-0.16	-0.12	-0.14	-0.03	-0.03	0.04	0.09	0.17
800	-0.39	-0.18	-0.13	-0.14	-0.11	-0.03	-0.02	0.06	0.11	0.19
900	-0.20	-0.09	-0.06	-0.11	-0.04	0.01	0.02	0.12	0.16	0.24
1000	-0.14	-0.02	-0.04	-0.09	-0.03	0.05	0.05	0.14	0.16	0.23
1100	-0.22	-0.11	-0.09	-0.10	-0.08	0.03	0.04	0.11	0.14	0.17
1200	-0.21	-0.17	-0.11	-0.17	-0.14	-0.01	0.01	0.05	0.09	0.13
1300	-0.09	-0.07	-0.06	-0.12	-0.09	0.00	0.02	0.11	0.16	0.34
1400	-0.14	-0.07	-0.06	-0.06	-0.04	0.00	0.02	0.15	0.22	0.50
1500	-0.28	-0.18	-0.10	-0.15	-0.10	-0.05	0.00	0.09	0.17	0.43
1600	-0.27	-0.21	-0.09	-0.17	-0.13	-0.05	-0.02	0.05	0.14	0.40
1700	-0.22	-0.19	-0.10	-0.20	-0.18	-0.09	-0.10	0.00	0.10	0.36
1800	-0.22	-0.16	-0.08	-0.21	-0.22	-0.12	-0.17	-0.02	0.09	0.33
1900	-0.17	-0.11	-0.01	-0.09	-0.20	-0.07	-0.10	0.04	0.13	0.26
2000	-0.23	-0.17	-0.06	-0.07	-0.25	-0.10	-0.09	0.01	0.06	0.11
2100	-0.28	-0.22	-0.16	-0.15	-0.29	-0.19	-0.16	-0.04	-0.03	0.03
2200	-0.24	-0.19	-0.16	-0.17	-0.26	-0.20	-0.18	-0.05	-0.03	0.03
2300	-0.30	-0.20	-0.14	-0.15	-0.23	-0.17	-0.14	-0.03	-0.03	0.03
2400	-0.29	-0.18	-0.09	-0.11	-0.24	-0.12	-0.07	0.02	0.01	0.09
2600	-0.20	-0.16	-0.10	-0.15	-0.24	-0.09	-0.08	0.00	0.03	0.15
2800	-0.47	-0.32	-0.14	-0.22	-0.25	-0.16	-0.12	-0.02	0.02	0.11
3000	-0.02	-0.08	-0.05	-0.15	-0.21	-0.05	-0.07	0.07	0.11	0.25
3200	-0.15	-0.15	-0.03	-0.15	-0.16	0.05	0.03	0.10	0.15	0.27
3400	-0.43	-0.34	-0.18	-0.22	-0.32	-0.14	-0.20	-0.05	0.01	0.21
3600	-0.22	0.02	-0.11	-0.11	-0.23	-0.12	-0.12	0.03	0.08	0.24
3800	-0.26	-0.09	-0.04	-0.02	-0.08	-0.21	-0.17	0.02	0.09	0.27
4000	-0.10	-0.03	-0.07	-0.10	-0.17	-0.16	-0.13	-0.02	0.10	0.29
4100	-0.30	-0.10	-0.05	-0.07	-0.24	-0.27	-0.18	-0.08	0.03	0.25
4200	-0.27	-0.04	-0.04	-0.07	-0.27	-0.34	-0.23	-0.12	-0.05	0.21
4300	-0.27	-0.16	-0.12	-0.11	-0.26	-0.32	-0.22	-0.13	-0.08	0.18
4400	-0.46	-0.30	-0.21	-0.22	-0.26	-0.24	-0.20	-0.08	0.00	0.20
4500	-0.34	-0.26	-0.17	-0.26	-0.32	-0.32	-0.27	-0.19	-0.12	0.07
4600	0.03	-0.02	-0.02	-0.13	-0.31	-0.33	-0.27	-0.22	-0.18	-0.04
4700	0.05	0.01	0.01	-0.05	-0.24	-0.24	-0.23	-0.12	-0.11	-0.04
4800	0.01	-0.01	-0.11	-0.12	-0.23	-0.23	-0.14	-0.08	-0.09	-0.06
4900	-0.17	-0.03	-0.22	-0.19	-0.23	-0.28	-0.15	-0.14	-0.12	-0.12
5000	-0.24	-0.13	-0.23	-0.20	-0.15	-0.37	-0.26	-0.22	-0.13	-0.10
5100	-0.32	-0.31	-0.25	-0.22	-0.10	-0.46	-0.33	-0.26	-0.15	-0.10
5200	-0.42	-0.36	-0.25	-0.28	-0.15	-0.53	-0.43	-0.33	-0.28	-0.25
5300	-0.29	-0.23	-0.25	-0.39	-0.27	-0.57	-0.51	-0.40	-0.36	-0.37
5400	-0.11	-0.20	-0.31	-0.46	-0.36	-0.56	-0.55	-0.45	-0.41	-0.37
5500	-0.50	-0.47	-0.48	-0.43	-0.38	-0.58	-0.58	-0.48	-0.43	-0.28
5600	-0.86	-0.67	-0.53	-0.42	-0.38	-0.57	-0.59	-0.47	-0.39	-0.19
5700	-0.77	-0.66	-0.41	-0.40	-0.32	-0.53	-0.55	-0.47	-0.34	-0.13
5800	-0.36	-0.45	-0.30	-0.38	-0.34	-0.61	-0.61	-0.59	-0.44	-0.24
5900	0.24	-0.07	-0.22	-0.36	-0.38	-0.62	-0.65	-0.61	-0.47	-0.30
6000	-0.12	-0.34	-0.47	-0.46	-0.42	-0.57	-0.62	-0.53	-0.41	-0.29

Signal Generator

Typical Performance Data

Test Conditions: Channel 1 @ 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	-0.39	-0.13	-0.11	-0.24	0.02	0.08	-0.62	-0.39	0.06	0.33
-54	-0.36	-0.11	-0.11	-0.22	0.01	0.09	-0.57	-0.33	0.02	0.27
-53	-0.33	-0.09	-0.11	-0.20	-0.01	0.10	-0.52	-0.28	-0.03	0.21
-52	-0.30	-0.07	-0.10	-0.18	-0.03	0.11	-0.47	-0.23	-0.08	0.15
-51	-0.27	-0.05	-0.10	-0.16	-0.04	0.12	-0.41	-0.18	-0.12	0.08
-50	-0.24	-0.03	-0.10	-0.14	-0.06	0.13	-0.36	-0.13	-0.17	0.02
-48	-0.21	-0.04	-0.10	-0.14	-0.05	0.08	-0.32	-0.17	-0.18	-0.06
-46	-0.18	-0.05	-0.10	-0.14	-0.04	0.04	-0.28	-0.22	-0.20	-0.15
-44	-0.16	-0.05	-0.07	-0.13	-0.04	0.00	-0.25	-0.25	-0.23	-0.20
-42	-0.15	-0.04	-0.02	-0.10	-0.06	-0.02	-0.25	-0.25	-0.28	-0.21
-40	-0.15	-0.03	0.04	-0.07	-0.07	-0.04	-0.24	-0.25	-0.33	-0.22
-38	-0.13	-0.03	0.02	-0.06	-0.07	-0.05	-0.25	-0.23	-0.33	-0.23
-36	-0.12	-0.04	0.00	-0.05	-0.06	-0.05	-0.25	-0.22	-0.34	-0.24
-34	-0.11	-0.05	0.00	-0.05	-0.08	-0.07	-0.26	-0.21	-0.36	-0.27
-32	-0.09	-0.07	0.00	-0.07	-0.13	-0.09	-0.28	-0.21	-0.40	-0.32
-30	-0.08	-0.09	0.00	-0.09	-0.18	-0.11	-0.29	-0.22	-0.44	-0.36
-28	-0.09	-0.07	-0.06	-0.13	-0.19	-0.12	-0.25	-0.21	-0.41	-0.37
-26	-0.09	-0.04	-0.13	-0.17	-0.21	-0.13	-0.21	-0.20	-0.38	-0.38
-24	-0.10	-0.03	-0.17	-0.20	-0.22	-0.13	-0.21	-0.20	-0.36	-0.38
-22	-0.11	-0.02	-0.18	-0.22	-0.22	-0.12	-0.25	-0.22	-0.36	-0.36
-20	-0.12	-0.01	-0.19	-0.25	-0.22	-0.11	-0.28	-0.23	-0.36	-0.35
-18	-0.13	-0.02	-0.17	-0.24	-0.22	-0.13	-0.29	-0.24	-0.43	-0.43
-16	-0.13	-0.03	-0.16	-0.23	-0.22	-0.14	-0.30	-0.24	-0.50	-0.51
-14	-0.11	-0.02	-0.12	-0.20	-0.19	-0.13	-0.29	-0.26	-0.54	-0.55
-12	-0.07	0.01	-0.07	-0.14	-0.14	-0.09	-0.27	-0.28	-0.55	-0.56
-10	-0.03	0.05	-0.02	-0.09	-0.08	-0.06	-0.25	-0.30	-0.55	-0.56
-8	-0.03	0.04	-0.01	-0.08	-0.07	-0.04	-0.26	-0.29	-0.58	-0.55
-6	-0.04	0.03	0.00	-0.08	-0.06	-0.03	-0.28	-0.28	-0.61	-0.54
-4	-0.03	0.03	0.00	-0.07	-0.06	-0.03	-0.28	-0.27	-0.61	-0.54
-2	-0.03	0.03	-0.02	-0.06	-0.07	-0.05	-0.26	-0.26	-0.59	-0.57
0	-0.03	0.04	-0.03	-0.06	-0.08	-0.07	-0.24	-0.25	-0.56	-0.59
+2	-0.01	0.07	-0.02	-0.04	-0.05	-0.05	-0.24	-0.25	-0.55	-0.62
+4	0.00	0.10	0.00	-0.03	-0.03	-0.04	-0.23	-0.24	-0.55	-0.64
+6	0.02	0.12	0.02	-0.01	0.00	-0.01	-0.20	-0.23	-0.53	-0.63
+8	0.03	0.13	0.05	0.00	0.03	0.04	-0.14	-0.21	-0.50	-0.58
+10	0.04	0.14	0.08	0.02	0.06	0.08	-0.09	-0.20	-0.47	-0.53
+11	0.06	0.15	0.09	0.02	0.07	0.11	-0.07	-0.20	-0.46	-0.50
+12	0.07	0.15	0.10	0.03	0.08	0.13	-0.05	-0.19	-0.45	-0.48
+13	0.08	0.16	0.12	0.03	0.08	0.16	-0.03	-0.18	-0.45	-0.45
+14	0.10	0.16	0.13	0.03	0.09	0.18	-0.01	-0.17	-0.44	-0.43
+15	0.11	0.16	0.15	0.04	0.10	0.21	0.00	-0.17	-0.44	-0.40
+16	0.13	0.18	0.16	0.05	0.12	0.24	0.04	-0.17	-0.41	-0.37
+17	0.14	0.20	0.17	0.07	0.15	0.27	0.07	-0.17	-0.39	-0.34
+18	0.16	0.22	0.18	0.09	0.18	0.30	0.10	-0.17	-0.37	-0.31
+19	0.17	0.24	0.19	0.10	0.20	0.33	0.14	-0.17	-0.35	-0.28
+20	0.18	0.25	0.20	0.12	0.23	0.36	0.17	-0.17	-0.33	-0.24

Signal Generator

SSG-R7N6GD-RC

Typical Performance Data

Test Conditions: Channel 1 @ 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	-29.67	-29.99	-35.97	-26.22	-18.38	-10.29	-10.70	-10.58	-10.96	-11.13
800	-27.57	-27.79	-31.27	-24.90	-17.91	-9.84	-10.22	-9.89	-10.59	-10.95
900	-26.23	-26.51	-28.06	-23.71	-17.48	-9.33	-9.92	-9.43	-10.49	-10.98
1000	-24.26	-24.36	-24.82	-22.51	-18.05	-8.90	-9.72	-9.41	-10.65	-10.96
1100	-22.28	-22.58	-22.11	-21.30	-18.65	-8.60	-9.49	-9.45	-10.87	-10.95
1200	-21.14	-21.62	-20.29	-20.38	-19.39	-8.12	-9.15	-9.48	-11.06	-10.91
1300	-13.36	-13.88	-13.76	-14.22	-13.83	-11.91	-13.04	-16.09	-18.53	-18.30
1400	-5.90	-6.49	-8.09	-8.66	-7.93	-15.98	-17.13	-24.29	-27.53	-26.65
1500	-5.97	-6.66	-8.48	-9.13	-8.18	-15.16	-16.53	-25.54	-28.74	-27.44
1600	-6.13	-6.87	-8.74	-9.46	-8.35	-14.64	-16.24	-25.66	-28.69	-27.91
1700	-6.13	-6.95	-8.73	-9.53	-8.35	-14.82	-16.43	-26.00	-29.00	-28.68
1800	-6.19	-7.01	-8.49	-9.41	-8.25	-15.31	-16.87	-25.80	-28.88	-29.24
1900	-9.98	-10.78	-12.86	-14.40	-18.48	-12.97	-14.79	-19.54	-22.53	-22.70
2000	-13.41	-14.35	-17.99	-20.17	-27.38	-10.38	-12.62	-13.72	-16.69	-16.39
2100	-13.14	-14.23	-19.61	-21.96	-25.11	-10.77	-13.35	-14.23	-17.44	-17.48
2200	-13.16	-14.37	-21.08	-23.62	-23.97	-12.06	-14.43	-14.87	-18.19	-18.49
2300	-12.64	-14.06	-22.03	-24.69	-22.84	-13.55	-15.78	-15.76	-19.13	-19.58
2400	-12.30	-13.83	-23.44	-26.09	-21.83	-15.23	-17.38	-17.02	-20.44	-21.03
2600	-12.65	-14.22	-26.51	-29.30	-21.27	-16.29	-18.98	-18.49	-22.18	-22.97
2800	-13.98	-15.19	-26.15	-29.32	-21.97	-19.86	-22.87	-22.03	-25.69	-25.92
3000	-13.72	-15.86	-24.91	-28.67	-22.29	-25.90	-27.76	-27.14	-30.56	-30.29
3200	-14.39	-16.60	-24.24	-28.42	-22.51	-32.42	-34.47	-33.65	-37.00	-36.03
3400	-16.36	-17.30	-25.00	-29.35	-22.04	-39.74	-41.97	-40.38	-43.15	-42.29
3600	-15.92	-17.70	-25.80	-30.70	-22.16	-41.56	-48.65	-41.82	-43.27	-42.51
3800	-14.31	-16.95	-25.25	-30.43	-22.19	-42.88	-38.42	-34.55	-36.12	-34.69
4000	-16.00	-18.00	-25.06	-29.88	-21.68	-33.35	-38.24	-37.47	-38.32	-39.74
4100	-16.47	-18.94	-26.12	-30.52	-21.78	-40.28	-42.63	-38.60	-38.55	-43.57
4200	-20.75	-21.26	-29.47	-34.24	-21.68	-42.74	-42.42	-38.39	-39.23	-47.66
4300	-20.89	-21.64	-33.28	-39.35	-21.84	-41.36	-48.11	-40.05	-41.65	-53.44
4400	-18.98	-21.36	-36.59	-45.86	-22.48	-43.52	-50.59	-42.67	-45.07	-56.80
4500	-21.66	-23.15	-39.04	-48.01	-23.19	-46.25	-49.66	-46.14	-49.86	-57.45
4600	-23.45	-24.47	-40.48	-46.52	-24.24	-47.93	-47.20	-54.46	-56.84	-59.76
4700	-26.47	-26.13	-41.52	-46.48	-25.64	-50.05	-42.52	-58.04	-60.03	-59.33
4800	-26.52	-26.61	-43.37	-46.49	-26.89	-43.37	-42.25	-48.63	-53.67	-49.28
4900	-26.72	-27.87	-44.98	-46.35	-28.25	-43.23	-43.98	-49.13	-53.44	-45.23
5000	-28.72	-30.03	-39.14	-45.30	-29.86	-44.00	-46.98	-54.35	-54.17	-45.76
5100	-30.52	-32.19	-33.63	-45.60	-31.10	-40.66	-45.75	-52.57	-48.24	-41.47
5200	-33.42	-35.82	-35.89	-48.05	-32.97	-39.72	-43.45	-50.48	-45.67	-39.04
5300	-33.50	-36.72	-37.38	-48.42	-33.92	-35.85	-41.58	-46.52	-43.71	-36.97
5400	-34.23	-33.46	-34.63	-46.22	-31.10	-28.05	-34.80	-40.62	-41.02	-35.74
5500	-28.87	-27.99	-29.66	-43.24	-27.03	-20.55	-28.53	-36.16	-40.30	-34.75
5600	-21.26	-24.02	-26.24	-39.12	-24.19	-26.27	-35.46	-41.68	-41.40	-34.00
5700	-24.06	-25.03	-25.29	-36.21	-22.74	-37.23	-43.05	-48.16	-41.10	-35.21
5800	-31.73	-26.80	-25.95	-36.02	-22.15	-37.63	-39.94	-46.97	-40.80	-37.27
5900	-25.31	-23.84	-26.40	-36.33	-22.33	-30.49	-36.66	-45.89	-41.42	-41.20
6000	-18.16	-23.60	-29.46	-36.58	-23.29	-28.23	-35.34	-44.46	-43.03	-47.11

Signal Generator

SSG-R7N6GD-RC

Typical Performance Data

Test Conditions: Channel 1 @ Temperature = 0°C.

Freq. (MHz)	Phase Noise vs. Output Frequency (dBc / Hz)				
	1 kHz	10 kHz	100 kHz	1 MHz	10 MHz
700	-118.13	-124.01	-133.39	-138.76	-143.57
800	-116.59	-121.99	-131.96	-138.82	-144.05
900	-117.43	-121.95	-130.92	-136.67	-144.50
1000	-114.00	-125.13	-130.09	-137.17	-144.19
1100	-113.82	-123.16	-129.72	-137.69	-144.42
1200	-112.97	-122.12	-129.63	-136.92	-144.95
1300	-114.93	-121.42	-129.61	-137.38	-146.70
1400	-112.34	-120.15	-128.48	-135.17	-147.13
1500	-112.87	-122.05	-127.97	-136.57	-147.08
1600	-111.82	-118.95	-127.31	-134.86	-147.29
1700	-112.04	-118.08	-126.84	-134.67	-147.25
1800	-109.71	-118.53	-126.44	-132.67	-147.46
1900	-109.06	-116.64	-125.99	-135.27	-147.34
2000	-110.32	-117.07	-125.84	-133.41	-147.60
2100	-110.11	-116.43	-124.99	-131.72	-147.38
2200	-107.92	-116.77	-124.41	-133.46	-147.63
2300	-107.65	-116.83	-124.28	-132.96	-147.89
2400	-107.55	-117.98	-123.57	-131.23	-147.84
2600	-108.99	-117.11	-122.77	-130.43	-147.85
2800	-107.20	-116.95	-122.32	-129.54	-147.80
3000	-108.24	-114.82	-122.33	-126.15	-147.97
3200	-106.49	-115.97	-121.72	-124.41	-147.76
3400	-105.57	-114.95	-120.93	-124.91	-147.72
3600	-104.28	-114.69	-120.28	-124.98	-147.88
3800	-104.11	-114.43	-120.03	-128.98	-147.12
4000	-102.45	-113.49	-119.51	-127.19	-147.25
4100	-101.95	-113.36	-119.39	-126.48	-147.46
4200	-104.76	-112.95	-119.14	-125.60	-146.89
4300	-101.13	-110.04	-118.60	-128.26	-147.09
4400	-100.81	-109.30	-118.41	-127.71	-147.02
4500	-101.75	-110.48	-118.28	-127.03	-147.31
4600	-101.30	-109.99	-118.05	-126.79	-147.28
4700	-102.35	-110.51	-118.10	-125.86	-147.06
4800	-101.73	-112.50	-118.01	-125.19	-146.93
4900	-99.84	-112.13	-117.71	-124.72	-146.95
5000	-102.37	-111.95	-117.37	-125.72	-147.27
5100	-101.63	-111.70	-117.33	-125.25	-147.34
5200	-101.61	-111.67	-117.05	-124.42	-147.15
5300	-99.62	-111.63	-117.05	-124.25	-147.22
5400	-100.80	-111.26	-116.92	-122.89	-147.26
5500	-101.67	-111.08	-116.72	-124.24	-147.57
5600	-100.04	-110.80	-116.36	-123.46	-146.96
5700	-101.28	-111.01	-116.36	-123.05	-147.29
5800	-100.60	-110.69	-116.27	-122.26	-147.27
5900	-100.22	-110.52	-116.17	-121.69	-147.09
6000	-100.25	-110.10	-116.14	-120.01	-146.50

Freq. (MHz)	Power (dBM) Max
700	25.04
800	25.13
900	25.24
1000	25.24
1100	25.24
1200	25.25
1300	24.81
1400	24.37
1500	24.42
1600	24.52
1700	24.58
1800	24.65
1900	24.94
2000	25.06
2100	24.95
2200	24.92
2300	24.92
2400	24.96
2600	24.93
2800	24.93
3000	25.03
3200	25.04
3400	24.92
3600	24.93
3800	24.92
4000	24.91
4100	24.88
4200	24.88
4300	24.95
4400	25.05
4500	24.92
4600	24.77
4700	24.75
4800	24.68
4900	25.06
5000	25.40
5100	25.22
5200	25.08
5300	25.01
5400	25.05
5500	25.07
5600	25.00
5700	24.85
5800	24.58
5900	24.28
6000	24.02

Signal Generator

SSG-R7N6GD-RC

Typical Performance Data

Test Conditions: Channel 1 @ 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	-118.13	-110.32	-108.24	-102.45	-102.37	-100.25
10	-124.01	-117.07	-114.82	-113.49	-111.95	-110.10
100	-133.39	-125.84	-122.33	-119.51	-117.37	-116.14
1000	-138.76	-133.41	-126.15	-127.19	-125.72	-120.01
10000	-143.57	-147.60	-147.97	-147.25	-147.27	-146.50

Freq. (MHz)	Spurious (dBc)	
	Far	Near
700	-67.65	-78.21
800	-68.44	-78.37
900	-68.08	-79.29
1000	-67.98	-79.33
1100	-67.37	-77.73
1200	-67.56	-77.69
1300	-67.60	-78.64
1400	-66.45	-79.01
1500	-66.83	-79.08
1600	-67.72	-78.68
1700	-67.38	-78.68
1800	-66.10	-77.33
1900	-65.73	-77.00
2000	-65.83	-77.03
2100	-66.10	-77.43
2200	-66.05	-77.59
2300	-65.86	-76.21
2400	-65.91	-75.24
2600	-65.06	-76.76
2800	-64.92	-77.47
3000	-64.94	-75.34
3200	-64.75	-75.45
3400	-65.70	-74.52
3600	-64.81	-74.37
3800	-65.33	-70.62
4000	-64.65	-70.98
4100	-65.39	-71.06
4200	-65.94	-71.02
4300	-65.27	-71.48
4400	-64.83	-71.90
4500	-65.50	-71.36
4600	-65.08	-72.37
4700	-64.47	-70.92
4800	-64.76	-70.46
4900	-64.65	-72.37
5000	-63.66	-72.91
5100	-64.07	-72.13
5200	-64.72	-71.45
5300	-64.73	-71.30
5400	-64.87	-70.08
5500	-64.66	-70.30
5600	-64.85	-71.01
5700	-64.64	-71.22
5800	-64.72	-69.59
5900	-64.64	-69.19
6000	-64.26	-70.06

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: Channel 1 @ 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	-0.06	0.04	0.03	-0.01	-0.07	-0.04	-0.09	-0.02	0.00	0.13
800	-0.05	0.07	0.05	0.03	-0.03	-0.02	-0.05	0.02	0.07	0.22
900	0.11	0.16	0.11	0.11	0.04	0.02	0.01	0.08	0.13	0.30
1000	0.20	0.19	0.12	0.09	0.02	0.02	0.01	0.08	0.12	0.29
1100	0.09	0.11	0.08	0.04	-0.02	0.00	-0.02	0.06	0.08	0.25
1200	0.04	0.07	0.03	-0.01	-0.07	-0.01	-0.05	0.03	0.06	0.25
1300	0.17	0.14	0.05	0.05	-0.03	0.03	0.01	0.07	0.11	0.35
1400	0.18	0.16	0.08	0.07	-0.01	0.05	0.04	0.09	0.13	0.42
1500	0.09	0.09	0.09	0.00	-0.04	0.00	0.00	0.03	0.09	0.37
1600	0.04	0.03	0.08	-0.01	-0.04	-0.04	-0.03	0.02	0.08	0.37
1700	-0.01	0.00	0.06	-0.03	-0.07	-0.07	-0.06	0.01	0.06	0.35
1800	0.02	0.04	0.07	-0.04	-0.09	-0.07	-0.05	0.01	0.07	0.34
1900	0.11	0.10	0.11	0.01	-0.06	-0.02	-0.01	0.05	0.10	0.33
2000	0.05	0.04	0.07	-0.02	-0.09	-0.02	-0.04	0.02	0.06	0.26
2100	-0.01	-0.01	-0.01	-0.10	-0.15	-0.08	-0.10	-0.04	0.00	0.22
2200	0.02	0.02	-0.01	-0.12	-0.16	-0.11	-0.11	-0.06	-0.03	0.21
2300	-0.02	0.03	0.02	-0.06	-0.12	-0.10	-0.10	-0.05	-0.02	0.22
2400	-0.02	0.07	0.06	0.03	-0.08	-0.04	-0.03	0.01	0.02	0.27
2600	0.00	0.06	0.06	-0.01	-0.10	-0.04	-0.04	0.01	0.04	0.25
2800	-0.19	-0.08	-0.01	-0.11	-0.16	-0.10	-0.10	-0.03	-0.01	0.19
3000	0.07	0.05	0.03	-0.06	-0.11	-0.04	-0.02	0.06	0.06	0.27
3200	0.05	0.06	0.08	0.00	-0.07	0.01	0.05	0.09	0.12	0.27
3400	-0.17	-0.12	-0.03	-0.15	-0.20	-0.13	-0.09	-0.04	-0.01	0.15
3600	0.03	0.13	0.14	0.06	-0.04	-0.01	0.03	0.10	0.13	0.30
3800	0.09	0.16	0.14	0.19	0.04	-0.05	-0.02	0.04	0.11	0.29
4000	0.10	0.09	0.06	0.00	-0.05	-0.06	-0.04	0.00	0.03	0.20
4100	0.07	0.09	0.12	0.03	-0.06	-0.14	-0.10	-0.05	-0.05	0.07
4200	0.05	0.11	0.13	0.07	-0.04	-0.14	-0.11	-0.07	-0.04	0.03
4300	-0.12	-0.03	0.01	0.00	-0.07	-0.13	-0.12	-0.08	-0.02	0.03
4400	-0.20	-0.15	-0.08	-0.09	-0.08	-0.13	-0.12	-0.03	0.03	0.11
4500	-0.01	-0.08	0.02	-0.04	-0.08	-0.16	-0.15	-0.02	0.03	0.15
4600	0.12	0.08	0.16	0.08	-0.04	-0.12	-0.11	0.00	0.06	0.20
4700	0.01	0.03	0.11	0.02	-0.07	-0.11	-0.10	-0.01	0.07	0.22
4800	0.06	0.07	0.05	-0.02	-0.07	-0.06	-0.06	0.01	0.09	0.27
4900	-0.09	0.09	-0.08	-0.11	-0.13	-0.13	-0.12	-0.04	0.04	0.20
5000	-0.16	-0.05	-0.13	-0.12	-0.09	-0.20	-0.17	-0.09	-0.03	0.12
5100	-0.06	-0.05	0.01	-0.02	0.05	-0.11	-0.08	-0.02	0.02	0.22
5200	0.13	0.12	0.11	0.00	0.06	-0.11	-0.07	-0.01	0.06	0.28
5300	0.23	0.17	0.10	-0.03	0.00	-0.12	-0.08	-0.04	0.04	0.26
5400	0.07	-0.04	-0.05	-0.11	-0.10	-0.16	-0.14	-0.12	-0.02	0.15
5500	-0.29	-0.22	-0.17	-0.08	-0.10	-0.15	-0.14	-0.09	0.01	0.13
5600	-0.39	-0.20	-0.16	-0.07	-0.10	-0.13	-0.10	-0.04	0.06	0.13
5700	0.10	0.07	0.07	0.07	0.02	-0.03	-0.03	0.06	0.14	0.16
5800	0.23	0.11	0.12	0.07	-0.02	-0.08	-0.10	0.01	0.05	0.07
5900	0.13	0.06	0.05	-0.02	-0.14	-0.17	-0.18	-0.07	-0.05	0.07
6000	-0.03	-0.03	-0.03	-0.02	-0.10	-0.10	-0.08	0.02	0.04	0.25

Signal Generator

SSG-R7N6GD-RC

Typical Performance Data

Test Conditions: Channel 1 @ 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	0.19	0.16	0.01	0.15	0.16	-0.17	-0.36	0.10	0.10
-54	0.02	0.19	0.15	0.03	0.13	0.16	-0.17	-0.31	0.06	0.10
-53	0.03	0.19	0.14	0.04	0.11	0.16	-0.17	-0.25	0.03	0.10
-52	0.04	0.19	0.13	0.06	0.09	0.16	-0.16	-0.19	-0.01	0.10
-51	0.05	0.19	0.12	0.08	0.08	0.15	-0.16	-0.14	-0.05	0.10
-50	0.06	0.20	0.11	0.10	0.06	0.15	-0.16	-0.08	-0.09	0.10
-48	0.05	0.18	0.11	0.09	0.05	0.13	-0.13	-0.15	-0.09	0.10
-46	0.03	0.16	0.10	0.07	0.04	0.12	-0.11	-0.21	-0.09	0.09
-44	0.03	0.15	0.11	0.07	0.03	0.10	-0.09	-0.25	-0.10	0.09
-42	0.04	0.14	0.12	0.07	0.02	0.08	-0.08	-0.25	-0.10	0.10
-40	0.06	0.13	0.13	0.08	0.00	0.05	-0.07	-0.25	-0.11	0.11
-38	0.03	0.13	0.13	0.09	0.02	0.07	-0.08	-0.25	-0.10	0.13
-36	0.01	0.13	0.14	0.09	0.03	0.08	-0.10	-0.26	-0.10	0.15
-34	0.00	0.13	0.12	0.09	0.01	0.07	-0.10	-0.26	-0.10	0.14
-32	0.01	0.12	0.07	0.08	-0.03	0.04	-0.11	-0.25	-0.11	0.09
-30	0.02	0.11	0.03	0.07	-0.07	0.02	-0.11	-0.24	-0.11	0.05
-28	0.02	0.11	0.02	0.03	-0.09	0.00	-0.12	-0.23	-0.10	0.05
-26	0.01	0.10	0.01	-0.01	-0.11	-0.01	-0.13	-0.21	-0.09	0.06
-24	0.00	0.08	0.00	-0.04	-0.12	-0.02	-0.12	-0.22	-0.09	0.03
-22	-0.02	0.06	-0.02	-0.06	-0.12	-0.02	-0.11	-0.24	-0.09	-0.04
-20	-0.04	0.04	-0.04	-0.07	-0.12	-0.02	-0.09	-0.26	-0.10	-0.10
-18	-0.06	0.03	-0.05	-0.08	-0.15	-0.02	-0.12	-0.28	-0.15	-0.12
-16	-0.08	0.02	-0.07	-0.09	-0.18	-0.02	-0.14	-0.30	-0.20	-0.13
-14	-0.07	0.02	-0.05	-0.08	-0.16	-0.01	-0.16	-0.30	-0.22	-0.13
-12	-0.05	0.03	-0.01	-0.05	-0.10	0.01	-0.16	-0.29	-0.20	-0.11
-10	-0.02	0.04	0.03	-0.02	-0.04	0.04	-0.16	-0.28	-0.19	-0.09
-8	-0.04	0.03	0.03	-0.03	-0.03	0.04	-0.15	-0.28	-0.21	-0.07
-6	-0.05	0.02	0.03	-0.04	-0.01	0.05	-0.14	-0.27	-0.24	-0.05
-4	-0.06	0.02	0.03	-0.03	-0.01	0.05	-0.14	-0.27	-0.24	-0.06
-2	-0.07	0.02	0.02	-0.01	-0.02	0.04	-0.14	-0.26	-0.21	-0.08
0	-0.08	0.02	0.02	0.02	-0.04	0.04	-0.15	-0.25	-0.19	-0.11
+2	-0.06	0.04	0.02	0.01	-0.02	0.05	-0.13	-0.23	-0.19	-0.08
+4	-0.04	0.06	0.03	0.00	0.00	0.05	-0.11	-0.21	-0.20	-0.05
+6	-0.03	0.08	0.04	0.01	0.02	0.06	-0.08	-0.20	-0.20	-0.03
+8	-0.02	0.08	0.06	0.02	0.04	0.07	-0.04	-0.19	-0.18	0.00
+10	-0.01	0.08	0.08	0.04	0.05	0.08	0.00	-0.18	-0.16	0.02
+11	-0.01	0.09	0.09	0.03	0.05	0.09	0.01	-0.15	-0.13	0.02
+12	-0.01	0.11	0.09	0.03	0.05	0.11	0.02	-0.13	-0.11	0.03
+13	-0.01	0.12	0.10	0.03	0.05	0.12	0.03	-0.11	-0.09	0.03
+14	-0.01	0.13	0.10	0.03	0.05	0.13	0.04	-0.08	-0.07	0.03
+15	-0.01	0.15	0.11	0.03	0.04	0.14	0.05	-0.06	-0.05	0.03
+16	0.01	0.18	0.15	0.09	0.09	0.18	0.07	-0.04	-0.02	0.08
+17	0.03	0.21	0.19	0.14	0.13	0.23	0.09	-0.01	0.01	0.12
+18	0.06	0.25	0.23	0.19	0.18	0.27	0.10	0.01	0.03	0.16
+19	0.08	0.28	0.26	0.24	0.22	0.31	0.12	0.03	0.06	0.20
+20	0.10	0.31	0.30	0.29	0.26	0.35	0.14	0.06	0.09	0.25

Signal Generator

SSG-R7N6GD-RC

Typical Performance Data

Test Conditions: Channel 1 @ 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	-29.69	-30.05	-35.63	-26.40	-18.24	-10.42	-10.84	-10.74	-11.11	-11.27
800	-27.44	-27.89	-31.08	-25.04	-17.81	-9.97	-10.40	-10.07	-10.74	-11.11
900	-24.98	-25.59	-27.89	-23.80	-17.40	-9.42	-10.03	-9.60	-10.63	-11.14
1000	-23.23	-23.89	-24.71	-22.55	-17.97	-8.97	-9.75	-9.57	-10.78	-11.11
1100	-22.26	-22.56	-22.10	-21.30	-18.56	-8.69	-9.56	-9.65	-11.02	-11.09
1200	-20.88	-21.29	-20.26	-20.32	-19.25	-8.21	-9.28	-9.68	-11.22	-11.04
1300	-13.16	-13.66	-13.91	-14.35	-13.80	-11.87	-13.06	-16.53	-18.94	-18.93
1400	-6.06	-6.62	-8.50	-9.02	-8.06	-15.77	-16.94	-25.04	-28.29	-27.82
1500	-6.13	-6.80	-8.87	-9.46	-8.30	-14.97	-16.31	-26.29	-29.44	-28.54
1600	-6.29	-7.00	-9.11	-9.75	-8.47	-14.40	-15.97	-26.10	-28.99	-28.72
1700	-6.27	-7.08	-9.06	-9.80	-8.47	-14.49	-16.15	-25.87	-28.76	-29.16
1800	-6.34	-7.21	-8.85	-9.70	-8.40	-14.86	-16.53	-25.14	-28.20	-29.39
1900	-9.98	-10.90	-12.92	-14.39	-18.54	-12.73	-14.55	-19.29	-22.25	-22.80
2000	-13.20	-14.24	-17.62	-19.78	-27.43	-10.54	-12.62	-14.09	-16.98	-16.59
2100	-12.92	-14.02	-19.04	-21.37	-25.39	-11.03	-13.39	-14.62	-17.76	-17.67
2200	-12.90	-14.05	-20.48	-22.94	-24.29	-12.24	-14.56	-15.26	-18.52	-18.71
2300	-12.33	-13.60	-21.50	-24.06	-23.02	-13.72	-15.98	-16.17	-19.48	-19.85
2400	-12.03	-13.34	-22.68	-25.28	-22.09	-15.19	-17.52	-17.47	-20.83	-21.31
2600	-12.26	-13.99	-24.65	-27.49	-21.72	-16.55	-19.28	-19.12	-22.68	-23.26
2800	-13.49	-14.83	-24.61	-27.71	-22.32	-20.48	-23.11	-22.77	-26.36	-26.39
3000	-13.46	-15.40	-24.47	-28.05	-22.48	-26.66	-29.16	-28.02	-31.40	-30.92
3200	-14.03	-16.13	-24.31	-28.29	-22.48	-34.48	-35.33	-34.84	-38.05	-36.95
3400	-15.67	-16.83	-24.70	-28.97	-22.16	-40.73	-44.25	-41.58	-44.47	-43.53
3600	-15.71	-17.61	-25.59	-30.41	-22.24	-45.82	-42.47	-42.63	-44.24	-43.45
3800	-14.06	-16.75	-25.09	-30.12	-22.25	-45.10	-42.64	-35.77	-37.16	-35.59
4000	-15.07	-17.43	-24.72	-29.40	-22.04	-36.91	-44.04	-38.55	-39.42	-41.21
4100	-15.25	-18.60	-25.80	-30.24	-22.22	-44.48	-46.85	-39.47	-39.65	-45.58
4200	-19.91	-21.05	-28.94	-33.80	-22.10	-46.17	-44.87	-39.88	-40.59	-50.73
4300	-20.82	-21.90	-32.96	-38.92	-22.17	-43.13	-43.13	-41.38	-43.00	-54.86
4400	-19.70	-21.78	-37.34	-47.43	-22.76	-43.45	-45.14	-44.22	-46.34	-55.25
4500	-22.48	-23.13	-40.79	-51.14	-23.46	-48.29	-45.82	-48.53	-50.92	-55.37
4600	-23.84	-24.29	-42.91	-48.79	-24.51	-52.92	-43.23	-52.99	-57.98	-58.12
4700	-26.00	-26.31	-44.24	-47.66	-25.95	-53.09	-44.12	-54.50	-61.06	-57.78
4800	-26.21	-27.50	-45.82	-46.85	-27.24	-47.79	-43.71	-49.34	-54.35	-48.08
4900	-26.87	-28.38	-46.26	-46.13	-28.66	-53.16	-46.10	-50.91	-53.82	-44.55
5000	-28.95	-30.52	-39.74	-46.48	-30.41	-51.32	-45.93	-54.75	-54.44	-45.47
5100	-31.59	-33.39	-34.72	-48.61	-31.81	-41.59	-40.02	-52.85	-48.98	-41.84
5200	-34.22	-36.59	-37.28	-51.07	-33.87	-41.54	-42.88	-51.95	-46.77	-40.02
5300	-34.25	-36.75	-38.30	-51.38	-34.61	-39.34	-45.15	-48.17	-44.60	-37.99
5400	-32.06	-33.16	-34.74	-49.44	-31.35	-29.72	-36.06	-42.04	-41.95	-36.47
5500	-26.25	-27.89	-34.32	-46.03	-27.15	-22.21	-30.07	-39.36	-41.56	-35.21
5600	-23.30	-25.33	-34.06	-41.31	-24.19	-29.71	-35.98	-42.17	-42.41	-34.48
5700	-26.60	-26.01	-30.78	-38.68	-22.76	-42.30	-40.63	-44.04	-42.16	-35.73
5800	-29.06	-27.85	-30.82	-38.31	-22.32	-40.78	-40.38	-43.71	-42.11	-37.82
5900	-22.02	-25.20	-32.75	-37.90	-22.61	-31.99	-39.18	-43.34	-42.64	-45.39
6000	-18.70	-24.07	-33.56	-37.52	-23.70	-32.47	-40.62	-46.26	-44.55	-50.55

Signal Generator

SSG-R7N6GD-RC

Typical Performance Data

Test Conditions: Channel 1 @ Temperature = 25°C.

Freq. (MHz)	Phase Noise vs. Output Frequency (dBc / Hz)				
	1 kHz	10 kHz	100 kHz	1 MHz	10 MHz
700	-117.86	-126.11	-132.47	-136.99	-142.64
800	-116.72	-125.29	-130.84	-136.82	-142.92
900	-116.23	-124.06	-130.06	-135.20	-143.32
1000	-116.73	-122.66	-129.28	-135.69	-142.65
1100	-113.01	-124.04	-128.83	-136.47	-142.88
1200	-111.90	-123.78	-128.53	-134.97	-143.58
1300	-112.75	-123.93	-129.24	-136.56	-146.57
1400	-110.78	-122.16	-128.82	-134.56	-147.05
1500	-112.16	-121.95	-127.81	-135.62	-147.05
1600	-113.84	-121.45	-127.13	-133.81	-147.04
1700	-110.78	-120.82	-126.56	-133.97	-146.96
1800	-108.09	-120.74	-126.43	-131.98	-147.01
1900	-109.20	-119.72	-125.39	-133.96	-147.20
2000	-108.80	-119.90	-125.45	-132.51	-147.16
2100	-108.96	-119.29	-125.14	-130.93	-147.09
2200	-107.77	-118.72	-124.35	-132.58	-147.11
2300	-107.61	-118.33	-123.86	-131.44	-147.09
2400	-107.80	-117.92	-123.63	-130.22	-146.92
2600	-106.40	-117.64	-122.61	-129.61	-147.32
2800	-106.52	-117.30	-122.47	-128.78	-147.62
3000	-105.55	-116.46	-121.58	-125.11	-147.20
3200	-103.72	-115.35	-121.42	-123.06	-147.01
3400	-103.83	-114.47	-120.79	-124.15	-147.44
3600	-104.45	-114.18	-120.08	-123.74	-147.25
3800	-103.02	-113.60	-119.07	-127.84	-146.89
4000	-104.51	-113.46	-119.13	-126.41	-147.02
4100	-102.06	-113.30	-119.16	-125.82	-147.18
4200	-100.26	-113.24	-119.01	-124.98	-147.14
4300	-100.14	-113.03	-118.38	-127.45	-146.71
4400	-97.91	-112.84	-118.27	-126.71	-146.19
4500	-100.59	-112.66	-118.07	-126.01	-146.70
4600	-102.13	-111.48	-117.73	-125.45	-146.86
4700	-101.81	-112.10	-117.75	-124.80	-146.62
4800	-100.11	-111.60	-117.50	-124.13	-146.64
4900	-99.96	-111.81	-117.28	-123.76	-146.60
5000	-100.03	-111.42	-117.11	-125.16	-146.59
5100	-101.02	-111.32	-117.00	-124.42	-146.69
5200	-97.56	-110.93	-117.04	-123.86	-146.60
5300	-99.78	-110.70	-116.71	-123.31	-146.80
5400	-97.35	-111.22	-116.64	-122.33	-146.95
5500	-100.05	-111.32	-116.39	-123.39	-146.61
5600	-99.54	-110.34	-116.49	-122.83	-146.89
5700	-97.99	-110.86	-115.98	-122.08	-146.73
5800	-100.40	-110.14	-115.96	-121.42	-146.66
5900	-99.26	-110.26	-115.89	-120.80	-146.35
6000	-98.53	-109.95	-115.88	-119.52	-146.16

Freq. (MHz)	Power (dBM) Max
700	25.03
800	25.08
900	25.21
1000	25.17
1100	25.08
1200	25.04
1300	24.68
1400	24.33
1500	24.38
1600	24.48
1700	24.54
1800	24.61
1900	24.92
2000	25.09
2100	25.01
2200	25.01
2300	25.04
2400	25.11
2600	25.11
2800	25.06
3000	25.15
3200	25.20
3400	25.08
3600	25.23
3800	25.17
4000	25.13
4100	25.09
4200	25.06
4300	25.04
4400	25.15
4500	25.13
4600	25.06
4700	25.05
4800	24.96
4900	24.89
5000	25.00
5100	25.09
5200	25.06
5300	24.98
5400	24.84
5500	24.81
5600	24.76
5700	24.70
5800	24.46
5900	24.11
6000	23.88

Signal Generator

SSG-R7N6GD-RC

Typical Performance Data

Test Conditions: Channel 1 @ 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	-117.86	-108.80	-105.55	-104.51	-100.03	-98.53
10	-126.11	-119.90	-116.46	-113.46	-111.42	-109.95
100	-132.47	-125.45	-121.58	-119.13	-117.11	-115.88
1000	-136.99	-132.51	-125.11	-126.41	-125.16	-119.52
10000	-142.64	-147.16	-147.20	-147.02	-146.59	-146.16

Freq. (MHz)	Spurious (dBc)	
	Far	Near
700	-64.03	-77.92
800	-68.02	-77.93
900	-69.48	-76.74
1000	-67.12	-79.98
1100	-70.95	-79.07
1200	-67.91	-77.04
1300	-68.73	-78.88
1400	-65.55	-75.79
1500	-68.22	-79.43
1600	-67.86	-79.03
1700	-67.44	-77.88
1800	-64.63	-79.14
1900	-66.09	-79.26
2000	-67.93	-75.68
2100	-66.96	-80.60
2200	-68.41	-67.39
2300	-66.34	-81.45
2400	-67.58	-78.77
2600	-66.22	-77.76
2800	-65.10	-77.36
3000	-64.73	-80.34
3200	-64.60	-71.74
3400	-64.13	-75.08
3600	-65.58	-77.71
3800	-64.32	-70.19
4000	-64.73	-68.58
4100	-64.13	-72.83
4200	-64.25	-72.55
4300	-65.83	-67.74
4400	-66.42	-72.18
4500	-66.38	-72.32
4600	-65.12	-70.58
4700	-68.51	-70.74
4800	-61.92	-69.60
4900	-64.86	-70.15
5000	-64.53	-70.63
5100	-66.04	-72.83
5200	-66.39	-65.66
5300	-63.16	-74.29
5400	-65.78	-68.01
5500	-65.17	-74.25
5600	-66.07	-66.31
5700	-65.21	-68.21
5800	-64.18	-67.62
5900	-66.17	-70.40
6000	-63.16	-69.86

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: Channel 1 @ 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	-0.30	-0.33	-0.36	-0.33	-0.40	-0.45	-0.45	-0.39	-0.34	-0.17
800	-0.26	-0.27	-0.32	-0.23	-0.35	-0.37	-0.40	-0.37	-0.30	-0.14
900	-0.15	-0.17	-0.27	-0.10	-0.27	-0.30	-0.33	-0.34	-0.26	-0.09
1000	-0.12	-0.14	-0.28	-0.13	-0.27	-0.33	-0.37	-0.34	-0.27	-0.10
1100	-0.24	-0.22	-0.31	-0.16	-0.32	-0.38	-0.45	-0.36	-0.31	-0.15
1200	-0.26	-0.25	-0.34	-0.21	-0.41	-0.40	-0.46	-0.38	-0.34	-0.19
1300	-0.09	-0.20	-0.31	-0.19	-0.37	-0.35	-0.37	-0.34	-0.32	-0.17
1400	-0.03	-0.20	-0.29	-0.17	-0.31	-0.31	-0.31	-0.34	-0.31	-0.16
1500	-0.14	-0.28	-0.29	-0.22	-0.34	-0.32	-0.31	-0.37	-0.34	-0.18
1600	-0.22	-0.34	-0.30	-0.19	-0.32	-0.27	-0.31	-0.32	-0.30	-0.17
1700	-0.24	-0.33	-0.34	-0.16	-0.29	-0.24	-0.32	-0.29	-0.28	-0.17
1800	-0.25	-0.30	-0.34	-0.14	-0.27	-0.24	-0.31	-0.29	-0.30	-0.16
1900	-0.21	-0.27	-0.29	-0.12	-0.24	-0.22	-0.30	-0.27	-0.25	-0.12
2000	-0.25	-0.31	-0.34	-0.20	-0.30	-0.31	-0.35	-0.33	-0.30	-0.19
2100	-0.29	-0.35	-0.42	-0.26	-0.37	-0.40	-0.40	-0.40	-0.39	-0.28
2200	-0.27	-0.33	-0.41	-0.25	-0.37	-0.41	-0.41	-0.40	-0.40	-0.31
2300	-0.33	-0.30	-0.37	-0.20	-0.36	-0.39	-0.38	-0.38	-0.39	-0.30
2400	-0.32	-0.28	-0.32	-0.16	-0.34	-0.35	-0.31	-0.34	-0.37	-0.28
2600	-0.35	-0.32	-0.35	-0.24	-0.32	-0.35	-0.37	-0.37	-0.38	-0.32
2800	-0.44	-0.44	-0.42	-0.32	-0.43	-0.46	-0.44	-0.40	-0.39	-0.39
3000	-0.26	-0.31	-0.40	-0.30	-0.44	-0.39	-0.37	-0.32	-0.30	-0.36
3200	-0.30	-0.32	-0.32	-0.32	-0.37	-0.30	-0.33	-0.28	-0.26	-0.31
3400	-0.42	-0.43	-0.46	-0.52	-0.45	-0.44	-0.50	-0.41	-0.38	-0.38
3600	-0.25	-0.20	-0.24	-0.30	-0.25	-0.28	-0.27	-0.25	-0.25	-0.22
3800	-0.10	-0.14	-0.26	-0.23	-0.17	-0.39	-0.35	-0.31	-0.28	-0.26
4000	-0.27	-0.27	-0.43	-0.50	-0.35	-0.42	-0.43	-0.37	-0.33	-0.25
4100	-0.24	-0.21	-0.33	-0.41	-0.31	-0.42	-0.46	-0.39	-0.34	-0.19
4200	-0.28	-0.26	-0.34	-0.38	-0.32	-0.41	-0.47	-0.40	-0.33	-0.15
4300	-0.36	-0.41	-0.45	-0.44	-0.34	-0.39	-0.44	-0.39	-0.31	-0.17
4400	-0.35	-0.44	-0.52	-0.49	-0.34	-0.34	-0.39	-0.30	-0.21	-0.13
4500	-0.22	-0.39	-0.44	-0.44	-0.33	-0.34	-0.41	-0.30	-0.19	-0.07
4600	-0.30	-0.34	-0.32	-0.34	-0.30	-0.36	-0.43	-0.32	-0.21	0.01
4700	-0.35	-0.36	-0.34	-0.36	-0.33	-0.40	-0.45	-0.35	-0.23	-0.04
4800	-0.19	-0.31	-0.41	-0.42	-0.36	-0.41	-0.45	-0.38	-0.24	-0.05
4900	-0.21	-0.25	-0.50	-0.52	-0.43	-0.47	-0.48	-0.44	-0.29	-0.21
5000	-0.28	-0.35	-0.51	-0.49	-0.44	-0.54	-0.52	-0.47	-0.32	-0.24
5100	-0.26	-0.38	-0.40	-0.37	-0.35	-0.47	-0.43	-0.38	-0.28	-0.05
5200	0.00	-0.17	-0.28	-0.32	-0.30	-0.39	-0.37	-0.34	-0.26	-0.05
5300	0.05	-0.15	-0.26	-0.33	-0.33	-0.40	-0.37	-0.36	-0.24	-0.10
5400	-0.31	-0.37	-0.40	-0.42	-0.40	-0.44	-0.39	-0.38	-0.24	-0.14
5500	-0.42	-0.33	-0.45	-0.38	-0.28	-0.36	-0.34	-0.26	-0.15	0.00
5600	-0.15	-0.14	-0.36	-0.33	-0.16	-0.30	-0.30	-0.19	-0.10	0.07
5700	0.12	-0.08	-0.26	-0.30	-0.14	-0.29	-0.29	-0.21	-0.09	0.14
5800	-0.15	-0.30	-0.28	-0.32	-0.20	-0.31	-0.35	-0.25	-0.11	0.07
5900	-0.43	-0.38	-0.26	-0.34	-0.24	-0.29	-0.36	-0.26	-0.10	-0.02
6000	0.00	-0.01	-0.14	-0.25	-0.12	-0.15	-0.19	-0.10	0.04	0.12

Signal Generator SSG-R7N6GD-RC

Typical Performance Data

Test Conditions: Channel 1 @ 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	-0.28	-0.11	-0.16	-0.29	-0.22	-0.34	-0.26	-0.33	-0.41	-0.47
-54	-0.29	-0.11	-0.17	-0.29	-0.24	-0.34	-0.29	-0.33	-0.41	-0.43
-53	-0.30	-0.12	-0.19	-0.29	-0.26	-0.34	-0.31	-0.32	-0.41	-0.39
-52	-0.31	-0.12	-0.21	-0.29	-0.28	-0.34	-0.34	-0.31	-0.41	-0.36
-51	-0.32	-0.12	-0.23	-0.29	-0.30	-0.33	-0.36	-0.31	-0.41	-0.32
-50	-0.33	-0.13	-0.24	-0.29	-0.32	-0.33	-0.39	-0.30	-0.41	-0.28
-48	-0.33	-0.16	-0.25	-0.30	-0.35	-0.37	-0.41	-0.40	-0.42	-0.26
-46	-0.33	-0.20	-0.26	-0.32	-0.38	-0.41	-0.43	-0.50	-0.42	-0.24
-44	-0.33	-0.23	-0.27	-0.32	-0.40	-0.44	-0.46	-0.55	-0.44	-0.21
-42	-0.35	-0.25	-0.27	-0.32	-0.41	-0.47	-0.50	-0.57	-0.46	-0.19
-40	-0.36	-0.27	-0.27	-0.31	-0.41	-0.50	-0.53	-0.58	-0.49	-0.17
-38	-0.28	-0.26	-0.28	-0.31	-0.42	-0.49	-0.54	-0.59	-0.47	-0.17
-36	-0.21	-0.26	-0.29	-0.30	-0.43	-0.49	-0.55	-0.60	-0.46	-0.18
-34	-0.19	-0.23	-0.26	-0.27	-0.40	-0.49	-0.54	-0.60	-0.45	-0.20
-32	-0.24	-0.17	-0.19	-0.22	-0.35	-0.51	-0.52	-0.60	-0.45	-0.25
-30	-0.29	-0.11	-0.13	-0.17	-0.29	-0.52	-0.51	-0.60	-0.45	-0.29
-28	-0.30	-0.15	-0.16	-0.20	-0.32	-0.43	-0.40	-0.54	-0.45	-0.29
-26	-0.30	-0.19	-0.20	-0.23	-0.36	-0.34	-0.29	-0.47	-0.45	-0.29
-24	-0.31	-0.22	-0.22	-0.26	-0.39	-0.31	-0.26	-0.46	-0.44	-0.26
-22	-0.34	-0.24	-0.22	-0.30	-0.42	-0.34	-0.30	-0.49	-0.42	-0.23
-20	-0.37	-0.26	-0.23	-0.33	-0.46	-0.38	-0.34	-0.53	-0.40	-0.19
-18	-0.40	-0.28	-0.25	-0.34	-0.48	-0.39	-0.36	-0.54	-0.41	-0.21
-16	-0.43	-0.30	-0.27	-0.35	-0.51	-0.40	-0.38	-0.55	-0.43	-0.23
-14	-0.45	-0.31	-0.27	-0.35	-0.50	-0.40	-0.38	-0.56	-0.44	-0.23
-12	-0.45	-0.30	-0.25	-0.34	-0.44	-0.39	-0.35	-0.56	-0.44	-0.22
-10	-0.46	-0.30	-0.22	-0.32	-0.39	-0.38	-0.32	-0.56	-0.45	-0.21
-8	-0.45	-0.31	-0.22	-0.31	-0.38	-0.38	-0.33	-0.57	-0.45	-0.23
-6	-0.45	-0.32	-0.23	-0.29	-0.37	-0.38	-0.34	-0.58	-0.46	-0.25
-4	-0.44	-0.33	-0.24	-0.28	-0.36	-0.38	-0.35	-0.58	-0.45	-0.26
-2	-0.44	-0.32	-0.28	-0.28	-0.36	-0.38	-0.36	-0.57	-0.42	-0.26
0	-0.44	-0.32	-0.31	-0.28	-0.36	-0.39	-0.37	-0.56	-0.40	-0.26
+2	-0.42	-0.32	-0.30	-0.28	-0.35	-0.35	-0.36	-0.56	-0.43	-0.27
+4	-0.40	-0.32	-0.28	-0.28	-0.34	-0.31	-0.35	-0.55	-0.45	-0.27
+6	-0.39	-0.32	-0.27	-0.29	-0.33	-0.29	-0.33	-0.54	-0.44	-0.26
+8	-0.38	-0.33	-0.28	-0.31	-0.32	-0.30	-0.30	-0.53	-0.40	-0.23
+10	-0.38	-0.34	-0.28	-0.33	-0.32	-0.31	-0.26	-0.52	-0.36	-0.20
+11	-0.37	-0.32	-0.27	-0.34	-0.31	-0.30	-0.24	-0.49	-0.33	-0.16
+12	-0.36	-0.30	-0.25	-0.35	-0.31	-0.29	-0.22	-0.45	-0.31	-0.13
+13	-0.35	-0.29	-0.24	-0.35	-0.31	-0.29	-0.20	-0.42	-0.28	-0.10
+14	-0.34	-0.27	-0.23	-0.36	-0.31	-0.28	-0.18	-0.39	-0.26	-0.07
+15	-0.34	-0.25	-0.21	-0.37	-0.31	-0.28	-0.16	-0.36	-0.23	-0.03
+16	-0.30	-0.22	-0.19	-0.36	-0.32	-0.27	-0.16	-0.37	-0.21	-0.01
+17	-0.26	-0.18	-0.17	-0.34	-0.33	-0.26	-0.15	-0.38	-0.19	0.01
+18	-0.22	-0.15	-0.15	-0.32	-0.34	-0.25	-0.14	-0.40	-0.17	0.03
+19	-0.19	-0.12	-0.13	-0.31	-0.35	-0.23	-0.13	-0.41	-0.15	0.05
+20	-0.15	-0.08	-0.11	-0.29	-0.36	-0.22	-0.12	-0.42	-0.12	0.07

Signal Generator

SSG-R7N6GD-RC

Typical Performance Data

Test Conditions: Channel 1 @ 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	-29.21	-29.66	-34.86	-26.63	-18.06	-10.59	-11.03	-10.92	-11.28	-11.39
800	-26.99	-27.25	-30.43	-25.17	-17.64	-10.13	-10.60	-10.27	-10.93	-11.24
900	-24.69	-25.23	-27.33	-23.87	-17.23	-9.52	-10.19	-9.82	-10.83	-11.27
1000	-22.92	-23.56	-24.45	-22.60	-17.81	-9.02	-9.85	-9.80	-11.00	-11.25
1100	-21.81	-22.13	-21.90	-21.30	-18.41	-8.73	-9.68	-9.91	-11.27	-11.25
1200	-20.42	-20.89	-19.98	-20.18	-19.09	-8.18	-9.33	-9.92	-11.41	-11.12
1300	-12.97	-13.41	-14.01	-14.48	-13.77	-11.59	-12.74	-17.35	-19.68	-20.32
1400	-6.19	-6.77	-9.02	-9.49	-8.17	-15.28	-16.31	-26.40	-29.50	-30.56
1500	-6.26	-6.88	-9.33	-9.88	-8.41	-14.45	-15.75	-27.14	-30.03	-31.05
1600	-6.41	-7.07	-9.48	-10.11	-8.56	-13.82	-15.44	-26.06	-28.69	-30.60
1700	-6.40	-7.19	-9.37	-10.08	-8.54	-13.95	-15.55	-25.27	-27.94	-30.36
1800	-6.47	-7.33	-9.08	-9.90	-8.47	-14.29	-15.93	-24.45	-27.30	-30.22
1900	-9.82	-10.69	-13.03	-14.45	-18.41	-12.39	-14.26	-19.04	-21.90	-23.28
2000	-12.78	-13.68	-17.65	-19.66	-27.14	-10.56	-12.67	-14.28	-17.15	-16.86
2100	-12.45	-13.57	-18.99	-21.13	-25.31	-11.14	-13.50	-14.83	-17.96	-17.99
2200	-12.25	-13.55	-20.38	-22.66	-24.28	-12.33	-14.60	-15.53	-18.75	-19.08
2300	-11.66	-13.09	-21.32	-23.69	-23.04	-13.79	-16.04	-16.49	-19.75	-20.24
2400	-11.49	-13.00	-22.19	-24.62	-22.40	-15.07	-17.59	-17.75	-21.08	-21.66
2600	-11.71	-13.17	-23.53	-26.17	-22.25	-16.74	-19.46	-19.49	-23.04	-23.64
2800	-12.71	-14.19	-23.94	-26.94	-22.68	-21.32	-23.97	-23.37	-26.90	-27.01
3000	-12.95	-14.79	-24.54	-27.83	-22.60	-27.76	-29.44	-28.88	-32.21	-31.87
3200	-13.48	-15.68	-24.63	-28.38	-22.50	-35.82	-36.13	-36.13	-39.16	-38.25
3400	-15.07	-16.38	-24.71	-28.65	-22.26	-42.23	-45.18	-42.89	-45.97	-45.20
3600	-15.35	-17.18	-26.03	-30.49	-22.20	-47.76	-44.94	-43.04	-45.00	-44.52
3800	-13.84	-16.51	-25.51	-30.02	-22.28	-45.01	-44.14	-36.65	-38.13	-36.89
4000	-14.27	-16.99	-25.01	-29.01	-22.27	-41.02	-46.05	-39.13	-40.53	-43.39
4100	-14.26	-17.85	-26.06	-29.89	-22.45	-49.73	-44.62	-40.01	-40.95	-47.78
4200	-18.12	-20.73	-29.46	-33.48	-22.33	-49.39	-42.43	-40.79	-42.22	-52.21
4300	-19.80	-22.05	-34.42	-39.04	-22.37	-46.14	-45.08	-43.24	-44.67	-53.60
4400	-20.16	-21.79	-40.22	-50.61	-22.91	-45.00	-49.38	-46.45	-48.06	-52.53
4500	-23.23	-23.42	-44.39	-55.66	-23.64	-46.22	-45.16	-50.07	-52.70	-53.23
4600	-24.46	-25.23	-46.13	-50.50	-24.76	-51.43	-50.19	-55.48	-59.31	-56.24
4700	-25.87	-26.62	-46.65	-47.67	-26.25	-54.01	-54.29	-58.21	-62.31	-55.75
4800	-26.09	-27.70	-46.00	-46.47	-27.58	-50.61	-45.20	-50.99	-55.56	-46.26
4900	-27.25	-29.78	-45.09	-45.65	-28.98	-56.96	-39.59	-50.66	-54.07	-42.95
5000	-29.81	-30.97	-46.66	-47.67	-30.86	-54.87	-41.08	-51.91	-54.78	-44.29
5100	-32.26	-34.88	-49.18	-51.83	-32.55	-43.27	-43.38	-46.81	-50.07	-41.06
5200	-34.78	-37.42	-50.33	-54.62	-34.79	-43.18	-45.24	-46.26	-48.24	-39.03
5300	-34.56	-36.02	-50.26	-54.53	-35.20	-40.65	-45.45	-43.68	-46.10	-37.01
5400	-30.49	-32.78	-46.42	-51.91	-31.33	-30.57	-39.02	-39.83	-43.64	-35.66
5500	-24.80	-27.52	-39.99	-47.76	-26.86	-25.07	-33.84	-41.25	-43.46	-34.87
5600	-24.55	-26.18	-34.68	-42.73	-23.91	-33.53	-36.23	-45.03	-43.97	-34.56
5700	-28.56	-27.13	-32.19	-40.24	-22.65	-43.31	-41.45	-46.30	-43.85	-36.04
5800	-27.49	-28.74	-32.56	-39.23	-22.51	-39.85	-43.53	-45.71	-44.03	-38.37
5900	-20.23	-25.91	-34.10	-38.19	-22.91	-34.15	-42.21	-45.56	-44.59	-41.99
6000	-19.43	-24.96	-34.16	-37.75	-23.97	-37.40	-41.59	-52.30	-46.69	-45.70

Signal Generator

SSG-R7N6GD-RC

Typical Performance Data

Test Conditions: Channel 1 @ Temperature = 50°C.

Freq. (MHz)	Phase Noise vs. Output Frequency (dBc / Hz)				
	1 kHz	10 kHz	100 kHz	1 MHz	10 MHz
700	-117.67	-126.91	-132.86	-137.99	-143.21
800	-117.36	-126.05	-131.49	-137.68	-143.76
900	-116.36	-124.52	-130.44	-136.30	-144.27
1000	-114.37	-124.20	-129.24	-136.20	-143.87
1100	-116.45	-121.97	-128.99	-136.99	-144.02
1200	-113.67	-123.59	-129.34	-135.77	-144.55
1300	-113.98	-121.72	-128.84	-136.29	-146.37
1400	-111.64	-120.79	-127.91	-134.40	-146.80
1500	-112.21	-121.54	-127.46	-135.51	-146.87
1600	-110.96	-120.94	-126.85	-133.68	-147.00
1700	-109.72	-120.55	-126.23	-134.26	-147.15
1800	-110.18	-119.93	-126.04	-132.11	-147.26
1900	-109.41	-119.67	-125.41	-133.93	-147.19
2000	-107.86	-119.07	-124.84	-132.36	-147.27
2100	-108.76	-118.44	-124.63	-130.97	-147.21
2200	-108.67	-118.28	-124.05	-132.70	-147.43
2300	-108.06	-116.39	-123.93	-131.43	-147.53
2400	-107.32	-117.74	-123.41	-130.19	-147.70
2600	-105.75	-116.65	-122.38	-130.00	-147.64
2800	-105.78	-115.60	-121.92	-128.93	-147.52
3000	-104.86	-114.19	-121.91	-126.18	-147.72
3200	-103.97	-114.33	-121.24	-123.88	-147.49
3400	-105.12	-114.34	-120.49	-124.59	-147.24
3600	-103.03	-111.79	-119.97	-124.35	-147.35
3800	-103.68	-113.48	-119.45	-128.10	-147.20
4000	-103.29	-112.79	-118.89	-126.27	-147.32
4100	-101.80	-112.68	-118.79	-125.85	-147.36
4200	-101.09	-112.43	-118.31	-124.95	-146.74
4300	-100.02	-110.35	-118.09	-127.30	-147.39
4400	-99.63	-109.80	-117.83	-126.64	-146.97
4500	-100.22	-111.85	-117.94	-126.31	-146.99
4600	-101.07	-111.83	-117.82	-125.53	-147.37
4700	-101.83	-109.92	-117.46	-125.02	-146.81
4800	-100.28	-111.75	-117.35	-124.33	-146.69
4900	-101.31	-111.56	-117.15	-124.10	-147.16
5000	-102.64	-111.34	-116.86	-125.42	-147.24
5100	-100.71	-110.86	-116.93	-124.95	-147.46
5200	-101.62	-110.92	-116.57	-124.34	-147.25
5300	-101.76	-110.81	-116.70	-123.69	-147.32
5400	-100.08	-110.60	-116.47	-122.90	-146.75
5500	-99.54	-110.42	-116.23	-123.95	-147.75
5600	-99.08	-110.33	-115.91	-122.92	-146.97
5700	-101.51	-110.07	-115.95	-122.47	-147.34
5800	-99.32	-110.13	-115.98	-121.57	-146.82
5900	-100.02	-110.00	-115.78	-121.35	-146.78
6000	-100.18	-109.77	-115.68	-119.80	-146.44

Freq. (MHz)	Power (dBM) Max
700	24.81
800	24.90
900	24.99
1000	24.99
1100	24.95
1200	24.91
1300	24.51
1400	24.13
1500	24.19
1600	24.28
1700	24.32
1800	24.37
1900	24.82
2000	25.15
2100	25.07
2200	25.07
2300	25.11
2400	25.20
2600	25.24
2800	25.22
3000	25.31
3200	25.27
3400	25.11
3600	25.29
3800	25.32
4000	25.19
4100	25.21
4200	25.23
4300	25.17
4400	25.13
4500	25.07
4600	25.03
4700	24.97
4800	24.94
4900	24.72
5000	24.57
5100	24.66
5200	24.64
5300	24.56
5400	24.36
5500	24.26
5600	24.25
5700	24.23
5800	23.96
5900	23.63
6000	23.47

Signal Generator

SSG-R7N6GD-RC

Typical Performance Data

Test Conditions: Channel 1 @ 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	-117.67	-107.86	-104.86	-103.29	-102.64	-100.18
10	-126.91	-119.07	-114.19	-112.79	-111.34	-109.77
100	-132.86	-124.84	-121.91	-118.89	-116.86	-115.68
1000	-137.99	-132.36	-126.18	-126.27	-125.42	-119.80
10000	-143.21	-147.27	-147.72	-147.32	-147.24	-146.44

Freq. (MHz)	Spurious (dBc)	
	Far	Near
700	-67.76	-77.31
800	-68.18	-78.03
900	-69.18	-78.61
1000	-69.04	-79.45
1100	-67.53	-78.98
1200	-66.92	-78.26
1300	-67.49	-78.88
1400	-67.95	-78.89
1500	-67.05	-78.50
1600	-66.68	-78.25
1700	-66.80	-77.58
1800	-66.33	-76.58
1900	-66.55	-77.23
2000	-66.81	-78.22
2100	-65.80	-77.75
2200	-65.90	-77.71
2300	-66.30	-76.50
2400	-65.36	-75.46
2600	-64.71	-76.39
2800	-65.02	-71.65
3000	-65.44	-74.40
3200	-65.27	-74.58
3400	-65.53	-73.58
3600	-64.72	-72.61
3800	-64.98	-70.38
4000	-65.18	-71.17
4100	-64.45	-71.53
4200	-63.77	-71.61
4300	-64.68	-71.30
4400	-65.92	-71.00
4500	-65.86	-70.70
4600	-66.39	-70.40
4700	-65.87	-71.19
4800	-64.20	-71.67
4900	-64.06	-70.49
5000	-64.70	-69.61
5100	-65.37	-68.82
5200	-65.85	-69.14
5300	-65.46	-70.80
5400	-64.58	-70.11
5500	-64.66	-69.09
5600	-64.68	-68.97
5700	-64.31	-68.66
5800	-64.43	-68.46
5900	-64.25	-69.30
6000	-64.85	-69.24

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