

# Signal Generator

**SSG-44G-RC**

## Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Freq. (GHz)	Power deviation from nominal vs. Output Frequency (dB)									
	-35 dBm	-30 dBm	-25 dBm	-20 dBm	-15 dBm	-10 dBm	-5 dBm	0 dBm	+5 dBm	+10 dBm
0.10	-0.36	-0.20	0.01	-0.18	-0.28	-0.05	0.02	-0.03	-0.08	-0.09
0.50	-0.01	0.02	-0.13	-0.18	-0.28	0.55	0.53	0.44	0.39	0.34
1.50	-0.22	-0.19	-0.23	-0.38	0.08	0.47	0.32	0.21	0.16	0.17
2.50	-0.38	0.16	0.14	0.02	-0.03	0.18	0.56	0.44	0.49	0.37
3.50	-0.04	0.09	0.07	-0.05	-0.08	0.73	0.73	0.32	0.71	0.75
4.50	-0.30	-0.23	-0.22	0.28	0.17	0.59	0.53	0.59	0.53	0.59
5.50	-0.09	0.02	-0.09	-0.08	-0.13	0.20	0.59	0.22	0.19	0.26
6.50	-0.14	-0.10	-0.07	-0.17	-0.11	0.32	0.39	0.34	0.44	0.40
7.50	-0.03	0.13	0.08	0.16	0.12	0.57	0.51	0.14	0.26	0.66
8.50	0.13	-0.09	0.02	0.13	0.11	0.51	0.46	0.55	0.23	0.22
9.50	0.16	0.50	0.27	-0.02	-0.05	0.34	0.26	0.73	0.56	0.53
10.50	0.23	-0.16	0.35	-0.17	0.45	0.27	0.76	0.65	0.57	0.67
11.50	0.12	0.05	0.07	0.23	0.14	0.46	-0.04	0.44	0.36	0.30
12.50	-0.12	0.15	0.15	0.23	-0.20	0.57	0.02	0.29	0.29	0.48
13.50	0.18	0.27	0.05	-0.07	0.07	0.27	0.50	0.44	0.76	0.72
14.50	-0.13	0.17	0.36	0.30	0.49	0.37	0.77	0.82	0.35	0.56
15.50	-0.32	0.09	0.22	0.20	-0.35	0.10	0.15	0.66	0.71	0.44
16.50	-0.43	-0.04	0.08	0.09	0.21	0.23	0.36	0.67	0.84	0.80
17.50	-0.07	0.22	0.08	0.16	0.44	0.70	0.72	0.71	0.55	0.59
18.50	-0.15	0.30	-0.12	0.12	0.04	0.16	0.23	0.43	0.50	0.51
19.50	-0.22	0.07	-0.43	-0.25	-0.33	0.27	0.42	0.29	0.60	0.68
20.50	-0.37	-0.08	-0.14	0.05	-0.02	0.39	0.59	0.12	0.28	0.63
21.50	0.04	0.00	0.68	0.13	0.09	0.43	0.56	0.85	0.75	0.67
22.50	-0.01	0.21	0.32	-0.34	-0.29	-0.07	0.19	0.13	0.31	0.19
23.50	-0.10	-0.20	-0.09	-0.04	0.17	0.38	-0.03	0.13	0.12	0.27
24.50	-0.04	0.33	0.16	0.44	0.16	0.27	0.59	0.53	0.55	0.48
25.50	0.11	0.18	0.27	-0.02	-0.08	0.36	0.25	0.54	0.04	0.67
26.50	0.09	-0.10	-0.14	-0.12	0.11	0.45	0.31	0.40	0.63	0.48
27.50	-0.16	0.13	0.02	-0.06	0.39	0.30	0.07	0.34	0.00	0.27
28.50	0.22	0.00	-0.12	-0.55	0.05	0.33	0.15	0.37	0.60	0.65
29.50	0.09	0.04	0.05	-0.16	-0.40	-0.27	0.18	0.02	0.30	0.32
30.50	-0.21	0.19	-0.08	-0.26	-0.04	-0.06	0.16	0.07	0.24	0.60
31.50	-0.33	-0.39	-0.74	-0.23	-0.67	-0.17	0.21	0.09	0.49	0.78
32.50	-0.18	0.25	-0.08	-0.09	0.05	0.07	-0.09	0.20	0.44	0.90
33.50	-0.58	-0.06	-0.13	-0.52	-0.38	0.33	-0.08	0.07	0.08	0.37
34.50	-0.36	-0.02	-0.04	-0.40	0.01	0.35	0.11	0.41	0.60	0.82
35.50	-0.79	-0.75	-0.69	0.03	0.17	0.01	0.13	-0.12	-0.13	0.27
36.50	0.25	0.28	0.74	0.31	0.01	0.57	0.39	0.30	0.24	1.22
37.50	-0.47	-0.22	-0.78	0.15	0.03	0.44	0.63	0.98	0.45	0.86
38.50	-0.19	-0.19	0.37	0.16	0.21	0.55	0.30	-0.07	0.57	1.11
39.50	-0.30	-0.15	-0.65	0.08	0.04	0.25	0.01	-0.06	0.36	0.63
40.50	-0.15	0.35	0.61	0.31	0.23	-0.12	-0.44	0.19	0.11	0.23
41.50	-0.69	-0.81	0.17	0.01	-0.24	-0.18	0.43	0.83	1.52	1.58
42.50	0.52	0.51	-0.06	0.18	-0.43	0.56	0.40	0.71	0.59	0.88
43.50	-0.55	0.58	0.65	0.20	0.27	1.09	0.95	0.92	1.30	1.10
44.00	0.32	0.93	0.78	0.73	1.36	1.35	1.32	1.50	1.44	1.39

# Signal Generator

**SSG-44G-RC**

## Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Power (dBm)	Power deviation from nominal vs. Output Power (dBm)									
	0.1 GHz	1 GHz	5 GHz	10 GHz	15 GHz	20 GHz	25 GHz	30 GHz	35 GHz	40 GHz
-35	-0.36	-0.25	-0.09	0.06	-0.38	-0.22	-0.30	0.50	0.02	-0.16
-34	-0.48	0.01	0.04	0.07	-0.10	0.13	0.11	0.71	0.27	0.13
-33	-0.33	0.01	0.04	0.16	-0.16	0.24	0.02	0.89	0.52	0.06
-32	-0.48	0.06	0.09	0.15	-0.04	0.16	0.07	0.80	0.43	0.44
-31	-0.45	-0.02	0.04	0.18	-0.11	0.32	-0.10	0.70	0.58	0.26
-30	-0.20	0.02	0.10	0.17	0.02	0.25	0.16	0.63	0.48	0.22
-29	-0.28	-0.05	0.02	0.17	-0.08	-0.03	-0.01	0.78	0.75	-0.01
-28	-0.34	-0.03	0.07	0.11	0.04	-0.12	0.02	0.66	0.65	-0.25
-27	0.11	-0.09	0.00	0.05	-0.04	0.04	-0.12	0.55	0.80	-0.07
-26	0.03	-0.03	0.06	0.18	0.08	0.35	0.11	0.45	0.63	0.17
-25	0.01	-0.10	-0.01	0.11	-0.01	0.43	-0.02	0.64	0.77	0.05
-24	-0.06	-0.09	0.04	0.23	0.12	0.34	0.05	0.56	0.59	0.00
-23	-0.05	-0.15	-0.02	0.17	0.04	0.48	-0.09	0.48	0.74	-0.05
-22	-0.12	-0.13	0.03	0.27	0.15	0.39	0.14	0.41	0.59	0.09
-21	-0.12	-0.19	-0.03	0.20	0.05	0.11	0.02	0.89	0.84	-0.42
-20	-0.18	-0.17	0.02	-0.16	-0.53	0.01	-0.19	0.06	0.66	0.04
-19	-0.21	-0.23	-0.05	-0.23	-0.40	0.17	-0.09	0.02	0.07	0.43
-18	-0.28	-0.18	-0.01	-0.13	-0.51	0.04	-0.28	-0.27	0.23	0.37
-17	-0.29	-0.25	-0.07	-0.23	-0.39	0.10	-0.06	0.23	0.20	0.27
-16	-0.33	-0.22	-0.01	-0.12	-0.47	0.02	-0.20	0.05	0.50	0.03
-15	-0.28	-0.28	-0.07	-0.21	-0.33	0.15	-0.04	0.09	0.03	-0.04
-14	-0.02	0.04	0.37	0.16	-0.14	0.14	-0.08	0.17	0.03	0.53
-13	0.05	0.60	0.34	0.10	-0.01	0.24	0.11	0.52	0.16	-0.04
-12	0.00	0.54	0.39	0.18	-0.10	0.16	-0.02	0.63	0.13	0.48
-11	-0.01	-0.01	0.35	0.09	0.04	0.29	0.10	0.47	-0.25	0.43
-10	-0.05	0.06	0.68	0.19	-0.01	0.21	-0.02	0.48	-0.34	0.41
-9	-0.05	-0.01	0.62	0.10	0.16	0.27	0.19	0.33	-0.09	0.32
-8	-0.09	0.51	0.68	0.19	0.14	0.18	0.07	0.47	-0.18	0.35
-7	0.01	0.52	0.63	0.11	0.26	0.28	0.18	0.34	0.04	0.32
-6	-0.02	0.48	0.69	0.21	0.23	0.57	0.05	0.43	-0.04	0.34
-5	0.02	0.50	0.63	0.54	0.41	0.90	0.26	0.28	0.18	0.21
-4	0.00	0.44	0.67	0.11	0.27	0.42	0.15	0.47	0.12	0.04
-3	-0.03	0.44	0.64	0.04	0.42	0.58	0.25	0.33	0.10	0.49
-2	-0.06	0.39	0.68	0.09	0.35	0.50	0.13	0.34	0.04	0.49
-1	-0.01	0.41	0.64	0.44	0.50	0.67	0.37	0.25	0.29	0.66
0	-0.03	0.35	0.70	0.57	0.40	0.56	0.22	0.41	0.18	0.61
+1	0.01	0.38	0.63	0.48	0.54	0.71	0.34	0.32	0.35	0.72
+2	0.00	0.33	0.69	0.55	0.46	0.61	0.23	0.50	0.28	0.71
+3	-0.05	0.40	0.64	0.46	0.59	0.67	0.44	0.44	-0.20	0.76
+4	-0.04	0.35	0.71	0.34	0.51	0.58	0.32	0.61	0.03	0.19
+5	-0.08	0.38	0.65	0.43	0.21	0.70	0.28	0.53	-0.05	0.65
+6	-0.04	0.31	0.72	0.35	0.14	0.58	0.16	0.54	0.19	0.67
+7	-0.08	0.33	0.66	0.45	0.26	0.69	0.32	0.45	0.41	0.63
+8	-0.05	0.28	0.73	0.37	0.18	0.57	0.17	0.57	0.31	0.09
+9	-0.09	0.32	0.68	0.46	0.30	0.64	0.26	0.44	0.45	0.66
+10	-0.09	0.26	0.72	0.37	0.20	0.50	0.09	1.27	0.32	0.59

# Signal Generator

**SSG-44G-RC**

## Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Freq. (GHz)	Harmonics levels vs. Output Frequency (dBc)									
	-30 dBm					-10 dBm				
	F2	F3	F0.5	F1.5	F2.5	F2	F3	F0.5	F1.5	F2.5
0.10	-35.75	-9.11	-39.20	-37.89	-38.11	-36.64	-8.89	-39.27	-35.27	-34.42
0.50	-33.80	-12.31	-36.40	-38.71	-34.63	-32.31	-12.40	-37.38	-36.10	-33.66
1.50	-28.22	-14.23	-34.67	-32.74	-34.23	-28.99	-14.99	-34.25	-33.31	-34.16
2.50	-26.25	-15.71	-32.37	-36.20	-31.82	-26.09	-15.18	-32.67	-34.51	-32.81
3.50	-19.93	-13.53	-37.26	-36.34	-34.92	-19.71	-12.99	-32.52	-33.49	-32.11
4.50	-15.79	-10.67	-30.70	-36.86	-32.80	-18.16	-16.72	-32.18	-36.45	-31.77
5.50	-11.74	-7.83	-31.83	-32.56	-30.32	-18.71	-16.03	-32.47	-33.93	-31.09
6.50	-10.18	-10.09	-27.93	-33.20	-32.93	-17.40	-18.95	-32.76	-34.08	-29.60
7.50	-7.15	-12.65	-35.86	-31.31	-26.75	-15.62	-18.68	-36.86	-31.22	-29.76
8.50	-5.37	-15.00	-36.37	-33.80	-23.93	-14.94	-22.95	-33.54	-33.12	-27.03
9.50	-5.60	-26.25	-32.75	-30.42	-26.88	-15.02	-28.87	-35.48	-31.39	-26.61
10.50	-5.63	-23.68	-34.93	-29.45	-21.72	-12.90	-25.87	-37.01	-31.91	-22.17
11.50	-16.10	-24.70	-34.71	-25.99	-25.57	-16.30	-23.30	-36.30	-32.79	-27.08
12.50	-20.06	-19.11	-33.33	-28.59	-26.40	-19.62	-18.22	-34.22	-28.24	-24.94
13.50	-25.39	-13.42	-32.32	-27.28	-22.09	-24.81	-10.44	-32.79	-27.52	-22.89
14.50	-24.05	-15.12	-34.13	-28.29	-22.14	-24.21	-15.21	-34.35	-30.52	-17.05
15.50	-24.06	-14.27	-31.86	-24.13	-14.77	-24.16	-15.03	-33.51	-27.01	-16.11
16.50	-24.52	-13.59	-33.69	-26.62	-13.08	-23.25	-11.16	-34.96	-26.67	-11.30
17.50	-19.94	-30.20	-31.21	-24.15	-16.25	-20.62	-51.05	-36.62	-25.80	-15.68
18.50	-20.00	-27.69	-33.17	-24.56	-17.64	-18.49	-44.84	-30.83	-25.91	-17.06
19.50	-16.51	-26.85	-29.84	-26.17	-14.36	-15.74	-49.56	-34.34	-25.26	-9.51
20.50	-13.77	-27.55	-31.56	-26.25	-26.99	-15.67	-49.96	-33.09	-24.11	-45.61
21.50	-16.43	-27.20	-32.05	-25.33	-29.10	-14.76	-47.59	-32.28	-25.22	-48.36
22.50	-17.41	-28.59	-32.25	-25.93	-29.37	-18.04	-49.06	-31.96	-27.35	-48.58
23.50	-13.38	-26.30	-31.15	-19.15	-27.08	-14.41	-48.77	-31.01	-23.35	-49.27
24.50	-12.43	-25.72	-35.55	-19.34	-30.19	-11.77	-46.25	-32.40	-20.59	-51.20
25.50	-31.31	-24.07	-32.51	-18.11	-29.10	-47.10	-47.37	-31.82	-19.94	-48.67
26.50	-28.42	-22.12	-32.55	-16.63	-28.81	-50.18	-43.91	-29.48	-16.51	-48.78
27.50	-30.98	-26.19	-30.60	-13.80	-27.53	-47.87	-46.31	-29.96	-13.69	-45.50
28.50	-28.21	-24.73	-29.15	-14.21	-27.77	-47.64	-44.16	-31.99	-14.78	-49.32
29.50	-29.56	-25.21	-30.79	-18.41	-26.99	-47.82	-46.24	-32.19	-15.09	-46.92
30.50	-30.51	--	-31.29	-12.14	-24.43	-49.88	--	-30.82	-19.08	-40.03
31.50	-28.39	--	-29.21	-15.17	-21.09	-49.28	--	-32.64	-18.01	-43.79
32.50	-29.88	--	-30.09	-12.85	-26.77	-49.99	--	-32.61	-12.04	-47.88
33.50	-30.14	--	-33.16	-27.18	-26.82	-52.10	--	-30.63	-46.28	-45.38
34.50	-27.47	--	-31.88	-28.64	-26.92	-49.01	--	-30.43	-47.19	-46.61
35.50	-27.62	--	-29.97	-28.66	-23.31	-48.63	--	-27.71	-50.88	-43.82
36.50	-26.14	--	-29.22	-29.58	--	-46.48	--	-28.28	-52.37	--
37.50	-25.74	--	-28.37	-28.99	--	-46.72	--	-29.11	-49.67	--
38.50	-19.25	--	-29.68	-32.12	--	-43.79	--	-30.78	-52.61	--
39.50	-27.24	--	-29.18	-28.53	--	-45.13	--	-28.49	-48.70	--
40.50	-25.87	--	-29.24	-32.83	--	-47.49	--	-26.61	-51.77	--
41.50	-23.86	--	-25.99	-28.81	--	-47.20	--	-27.09	-49.46	--
42.50	-19.43	--	-27.00	-27.83	--	-42.14	--	-26.52	-46.75	--
43.50	-24.03	--	-28.90	-30.29	--	-46.92	--	-31.26	-49.54	--
44.00	-26.00	--	-28.06	-26.60	--	-45.43	--	-26.68	-49.54	--

# Signal Generator

**SSG-44G-RC**

## Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Freq. (GHz)	Harmonics levels vs. Output Frequency (dBc)					Harmonics levels vs. Output Frequency (dBc)				
	0 dBm					+10 dBm				
	F2	F3	F0.5	F1.5	F2.5	F2	F3	F0.5	F1.5	F2.5
0.10	-42.63	-8.94	-48.01	-48.51	-46.69	-32.23	-8.89	-47.49	-44.11	-49.50
0.50	-20.56	-12.18	-46.04	-44.10	-45.08	-20.12	-12.20	-46.15	-45.02	-43.98
1.50	-19.08	-14.33	-43.69	-41.64	-47.53	-18.17	-14.34	-45.81	-41.26	-47.10
2.50	-19.21	-15.73	-44.12	-40.35	-43.00	-17.89	-15.55	-45.18	-43.61	-43.48
3.50	-18.94	-15.70	-45.67	-43.23	-42.56	-17.59	-15.96	-41.98	-45.35	-43.98
4.50	-18.68	-16.90	-44.60	-44.78	-39.10	-17.23	-17.39	-42.81	-44.65	-39.89
5.50	-19.07	-16.61	-40.84	-46.02	-40.78	-17.48	-16.60	-40.16	-43.17	-39.82
6.50	-17.13	-18.81	-39.71	-42.48	-40.02	-15.59	-17.80	-42.53	-40.88	-44.59
7.50	-15.44	-19.53	-43.72	-41.09	-38.85	-15.12	-19.02	-43.16	-41.93	-37.86
8.50	-15.14	-26.33	-44.74	-44.23	-36.83	-13.71	-26.35	-46.92	-42.00	-40.57
9.50	-14.57	-35.69	-43.12	-41.03	-38.07	-14.28	-36.23	-46.10	-42.05	-36.72
10.50	-13.23	-35.81	-45.43	-40.15	-33.81	-13.44	-35.37	-43.66	-41.39	-34.04
11.50	-17.92	-32.81	-46.80	-40.94	-36.89	-18.41	-32.30	-44.14	-39.44	-35.24
12.50	-19.93	-28.62	-45.13	-40.48	-37.69	-22.55	-27.25	-43.37	-38.49	-36.44
13.50	-34.23	-23.32	-43.59	-37.75	-33.60	-34.81	-24.78	-44.11	-37.09	-33.48
14.50	-34.66	-24.17	-45.11	-38.93	-29.63	-32.32	-25.63	-43.95	-38.93	-27.29
15.50	-35.25	-26.12	-43.51	-36.43	-25.28	-35.12	-27.65	-42.91	-36.29	-25.18
16.50	-35.24	-21.83	-42.07	-35.37	-21.67	-34.14	-21.51	-44.45	-33.54	-20.88
17.50	-30.26	-57.38	-42.88	-34.83	-25.92	-32.63	-48.65	-43.11	-39.97	-27.52
18.50	-28.73	-58.35	-42.29	-35.95	-26.38	-27.98	-58.89	-43.69	-34.47	-25.36
19.50	-26.86	-56.93	-42.38	-33.52	-22.74	-22.50	-53.06	-41.70	-35.48	-21.62
20.50	-22.85	-58.08	-42.32	-35.31	-59.76	-25.36	-53.94	-41.29	-34.30	-67.56
21.50	-27.07	-56.66	-43.26	-32.98	-58.85	-24.33	-55.00	-45.02	-35.65	-68.66
22.50	-23.62	-59.34	-40.57	-33.21	-60.97	-28.58	-58.88	-43.75	-34.27	-70.14
23.50	-23.89	-58.18	-41.81	-29.80	-58.10	-22.63	-64.32	-41.83	-31.24	-69.78
24.50	-21.55	-54.18	-43.35	-30.75	-57.92	-22.27	-65.15	-39.46	-31.81	-66.68
25.50	-51.73	-51.28	-41.60	-30.85	-58.37	-47.81	-62.54	-45.23	-27.61	-67.16
26.50	-54.05	-51.95	-42.91	-26.69	-59.53	-50.17	-63.94	-43.89	-26.86	-69.63
27.50	-53.04	-55.40	-41.73	-22.18	-58.66	-47.37	-65.31	-40.58	-23.60	-65.83
28.50	-53.40	-54.87	-38.97	-24.04	-60.11	-49.64	-65.78	-40.83	-22.67	-67.99
29.50	-58.30	-53.55	-39.53	-25.47	-58.60	-63.54	-64.90	-39.52	-26.58	-64.11
30.50	-58.15	--	-37.77	-25.41	-52.05	-67.89	--	-38.16	-25.87	-62.39
31.50	-56.78	--	-41.91	-25.33	-54.97	-57.05	--	-38.41	-25.51	-62.55
32.50	-55.59	--	-40.32	-22.99	-53.19	-63.29	--	-39.87	-26.53	-63.52
33.50	-59.66	--	-39.49	-53.62	-51.13	-67.13	--	-39.42	-70.18	-64.13
34.50	-55.49	--	-39.07	-57.71	-58.15	-56.36	--	-40.96	-66.42	-68.20
35.50	-54.02	--	-39.75	-58.64	-52.89	-51.96	--	-37.45	-67.06	-66.42
36.50	-56.88	--	-40.40	-62.70	--	-56.74	--	-39.23	-70.19	--
37.50	-53.64	--	-36.84	-60.54	--	-56.40	--	-37.71	-68.48	--
38.50	-52.98	--	-37.88	-60.41	--	-59.32	--	-37.93	-68.37	--
39.50	-51.22	--	-39.73	-59.28	--	-58.67	--	-36.82	-69.24	--
40.50	-53.35	--	-41.60	-62.15	--	-55.26	--	-40.91	-68.62	--
41.50	-53.51	--	-38.91	-57.23	--	-58.44	--	-39.94	-68.57	--
42.50	-50.76	--	-37.78	-59.19	--	-53.04	--	-35.16	-66.61	--
43.50	-54.77	--	-39.02	-58.82	--	-60.76	--	-38.05	-64.82	--
44.00	-55.39	--	-35.84	-55.40	--	-64.93	--	-34.68	-65.58	--

# Signal Generator

**SSG-44G-RC**

## Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Freq. (GHz)	Phase Noise vs. Output Freq. at Frequency Offsets (dBc / Hz)					
	100 Hz	1 kHz	10 kHz	100 kHz	1 MHz	10 MHz
0.10	-100.53	-118.19	-138.23	-141.30	-140.32	-140.93
0.50	-87.72	-104.25	-129.34	-138.10	-132.90	-140.61
1.50	-77.55	-94.97	-119.73	-129.25	-117.98	-135.45
2.50	-74.46	-90.23	-115.52	-124.24	-122.22	-136.38
3.50	-71.04	-87.28	-113.05	-124.07	-113.92	-131.87
4.50	-68.00	-85.62	-110.85	-121.65	-116.46	-134.59
5.50	-66.52	-83.83	-108.48	-120.01	-119.66	-139.64
6.50	-66.47	-81.94	-106.29	-116.77	-108.01	-127.77
7.50	-64.83	-80.61	-105.62	-116.85	-109.26	-128.24
8.50	-62.27	-79.83	-104.99	-116.40	-107.29	-128.08
9.50	-61.50	-78.66	-104.44	-115.26	-108.25	-128.13
10.50	-63.59	-77.52	-103.14	-113.69	-109.72	-129.46
11.50	-60.23	-77.04	-101.71	-112.04	-101.27	-121.19
12.50	-58.33	-76.55	-100.08	-111.32	-100.05	-119.78
13.50	-58.90	-75.64	-100.42	-110.73	-99.86	-121.17
14.50	-58.34	-74.98	-100.54	-111.45	-104.28	-122.81
15.50	-59.18	-74.44	-99.91	-110.37	-102.80	-121.66
16.50	-56.51	-73.60	-99.42	-110.71	-102.99	-122.18
17.50	-56.36	-73.71	-98.09	-110.07	-102.22	-121.80
18.50	-56.70	-73.54	-98.57	-109.68	-101.58	-122.49
19.50	-56.51	-72.51	-98.16	-109.17	-101.55	-123.10
20.50	-59.04	-71.95	-97.56	-108.70	-102.00	-121.70
21.50	-57.27	-71.66	-96.63	-107.55	-106.51	-127.78
22.50	-53.62	-71.58	-96.06	-107.79	-106.46	-131.18
23.50	-52.33	-71.10	-95.68	-105.64	-94.71	-114.67
24.50	-54.26	-70.12	-93.99	-105.59	-93.59	-114.31
25.50	-54.29	-69.76	-95.02	-104.95	-95.30	-115.62
26.50	-52.64	-69.93	-94.60	-103.68	-95.36	-114.87
27.50	-51.21	-69.61	-94.02	-104.27	-94.18	-114.89
28.50	-52.61	-69.34	-94.82	-104.56	-96.55	-115.17
29.50	-51.14	-69.13	-94.07	-103.78	-97.04	-116.53
30.50	-53.45	-68.91	-93.90	-105.19	-95.66	-116.40
31.50	-52.19	-69.03	-93.96	-104.01	-95.47	-115.92
32.50	-50.74	-68.26	-92.96	-104.94	-96.03	-116.74
33.50	-51.57	-67.81	-92.16	-104.76	-96.59	-116.25
34.50	-50.86	-67.32	-92.71	-104.20	-96.12	-115.96
35.50	-51.17	-67.67	-92.91	-103.80	-95.93	-114.89
36.50	-51.06	-67.04	-93.03	-103.66	-97.67	-116.36
37.50	-50.31	-66.64	-92.25	-103.54	-95.96	-116.12
38.50	-49.36	-66.56	-92.25	-103.19	-99.86	-116.11
39.50	-48.93	-66.54	-90.65	-102.78	-97.03	-117.00
40.50	-49.19	-66.79	-91.81	-102.91	-96.37	-114.99
41.50	-52.96	-65.91	-90.79	-102.83	-95.35	-114.96
42.50	-50.88	-65.73	-90.73	-100.75	-100.86	-119.69
43.50	-51.76	-65.17	-90.64	-101.54	-101.63	-118.05
44.00	-52.83	-65.85	-90.47	-101.24	-100.98	-119.33

# Signal Generator

## SSG-44G-RC

### Typical Performance Data

Test Conditions: @ Temperature = 25°C.

Freq. Offsets (kHz)	Phase Noise vs. Offset Freq. at Frequency Output (dBc / Hz)					
	0.1 GHz	1 GHz	5 GHz	10 GHz	20 GHz	44 GHz
0.1	-100.53	-81.96	-69.24	-62.88	-57.89	-52.83
1	-118.19	-98.35	-84.20	-77.82	-72.05	-65.85
10	-138.23	-123.32	-109.68	-103.90	-97.36	-90.47
100	-141.30	-133.83	-118.35	-114.85	-109.02	-101.24
1000	-140.32	-126.75	-115.84	-109.51	-101.98	-100.98
10000	-140.93	-138.70	-138.82	-127.73	-122.22	-119.33

Freq. (GHz)	Spurious (dBc)
0.10	-77.83
0.50	-77.94
1.50	-70.92
2.50	-72.64
3.50	-66.85
4.50	-68.87
5.50	-68.54
6.50	-63.86
7.50	-63.63
8.50	-62.48
9.50	-62.27
10.50	-62.47
11.50	-57.45
12.50	-54.76
13.50	-53.19
14.50	-58.47
15.50	-55.95
16.50	-58.18
17.50	-56.43
18.50	-55.70
19.50	-56.82
20.50	-56.42
21.50	-56.37
22.50	-50.16
23.50	-49.56
24.50	-49.35
25.50	-50.93
26.50	-49.47
27.50	-50.76
28.50	-47.98
29.50	-49.04
30.50	-49.90
31.50	-49.30
32.50	-50.99
33.50	-47.22
34.50	-50.83
35.50	-49.71
36.50	-50.03
37.50	-50.01
38.50	-45.15
39.50	-49.89
40.50	-50.80
41.50	-49.49
42.50	-49.76
43.50	-48.34
44.00	-48.05