Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: V_{DD} = +4 V, I_{DD} = 72 mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output		1dB Comp. Output	Noise Figure
							POUT = +5 dBm/Tone	POUT = 0 dBm/Tone		
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.0	21.0	80.1	6.8	7.6	306.97	1.00	25.7	25.2	15.0	1.6
4.5	21.7	69.8	8.7	7.7	95.63	0.94	26.0	25.7	15.6	1.4
5.0	22.2	64.0	11.0	8.3	51.15	0.92	27.4	26.3	16.0	1.1
5.5	22.5	60.6	12.4	9.5	35.51	0.94	27.7	26.7	16.4	1.1
5.7	22.5	59.6	12.4	10.1	32.21	0.96	28.2	26.2	16.6	1.0
5.9	22.5	58.6	12.1	10.7	29.23	0.97	28.2	27.1	16.7	1.0
6.1	22.5	57.9	11.6	11.3	27.00	0.99	28.1	27.1	16.9	1.0
6.3	22.4	57.1	11.2	11.9	25.00	1.01	28.4	27.2	17.0	0.9
6.5	22.4	56.2	10.8	12.5	22.67	1.02	28.6	27.2	17.1	0.9
6.7	22.3	56.1	10.5	13.0	22.70	1.04	28.5	26.9	17.2	1.0
6.9	22.2	55.1	10.4	13.6	20.60	1.05	27.9	26.6	17.4	1.0
7.1	22.1	54.5	10.3	14.1	19.42	1.05	28.6	26.9	17.5	0.9
7.3	22.0	53.7	10.3	14.6	18.18	1.06	29.0	27.4	17.5	0.9
7.5	22.0	53.2	10.3	15.0	17.32	1.06	28.7	27.1	17.6	0.9
7.7	21.9	52.6	10.4	15.4	16.32	1.06	29.1	27.6	17.5	1.0
7.9	21.8	52.0	10.6	15.6	15.41	1.06	28.8	27.1	17.6	0.9
8.1	21.8	51.5	10.7	15.7	14.87	1.06	29.1	27.2	17.6	0.9
8.3	21.7	51.0	10.9	15.7	14.10	1.05	28.8	27.3	17.5	0.9
8.5	21.7	50.5	11.1	15.6	13.51	1.05	28.6	27.0	17.6	0.9
8.7	21.7	50.1	11.1	15.6	12.86	1.05	29.2	26.4	17.5	0.9
8.9	21.6	49.6	11.2	15.7	12.32	1.05	29.4	26.9	17.4	0.9
9.1	21.6	49.3	11.2	15.8	11.89	1.05	28.7	26.9	17.3	0.9
9.3	21.6	49.0	11.1	16.0	11.59	1.05	29.2	27.2	17.3	1.0
9.5	21.6	48.4	10.9	16.3	10.74	1.06	28.7	26.9	17.1	0.9
9.7	21.6	48.1	10.6	16.7	10.37	1.06	28.6	26.3	17.0	0.9
9.9	21.6	47.7	10.3	17.1	9.89	1.07	28.4	25.6	16.8	0.9
10.1	21.6	47.4	9.9	17.4	9.42	1.08	27.8	25.6	16.6	1.0
10.3	21.6	46.8	9.6	17.5	8.75	1.09	28.2	25.8	16.5	1.0
10.5	21.7	46.6	9.2	17.4	8.39	1.10	27.6	24.4	16.0	1.0
10.7	21.7	46.2	9.0	17.1	7.90	1.11	27.6	24.4	16.0	1.0
10.9	21.8	45.9	8.8	16.6	7.51	1.11	27.3	24.1	15.9	1.0
11.1	21.9	45.6	8.7	16.0	7.19	1.11	27.1	23.1	15.4	1.1
11.3	22.0	45.4	8.6	15.0	6.81	1.11	26.8	23.6	15.3	1.0
11.5	22.1	45.1	8.5	14.1	6.45	1.10	27.4	23.1	14.6	1.1
11.7	22.2	44.7	8.5	13.0	6.04	1.09	27.7	22.1	14.0	1.1
11.9	22.3	44.5	8.6	11.9	5.73	1.07	26.2	22.2	13.9	1.2
12.1	22.4	44.2	8.6	10.9	5.42	1.05	27.4	21.7	13.4	1.2
12.3	22.5	44.1	8.7	10.0	5.18	1.03	28.4	21.1	13.4	1.2
12.5	22.5	44.0	8.8	9.2	5.01	1.00	28.2	20.6	13.1	1.2
12.7	22.6	43.9	9.1	8.5	4.88	0.97	25.9	20.5	12.7	1.2
12.9	22.5	43.9	9.4	7.9	4.87	0.94	26.9	20.2	12.1	1.3
13.0	22.5	44.0	9.6	7.6	4.89	0.92	25.5	19.8	11.8	1.3
13.5	21.9	44.7	10.6	6.1	5.37	0.82	18.8	19.4	10.9	1.3
14.0	20.9	46.3	10.8	5.3	6.96	0.75	17.8	19.6	10.3	1.4

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: V_{DD} = +3.75 V, I_{DD} = 65 mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output		1dB Comp. Output	Noise Figure
							POUT = +5 dBm/Tone	POUT = 0 dBm/Tone		
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.0	21.1	77.7	6.9	8.0	263.17	1.01	24.6	24.5	14.1	1.6
4.5	21.7	68.7	8.8	8.2	91.37	0.96	25.1	24.8	14.6	1.3
5.0	22.2	63.2	10.9	8.9	50.37	0.94	26.4	25.7	15.1	1.1
5.5	22.5	59.8	12.3	9.9	34.08	0.95	26.8	25.6	15.7	1.0
5.7	22.5	58.4	12.5	10.5	29.46	0.96	27.5	26.5	15.8	1.0
5.9	22.5	59.4	12.3	11.1	33.27	0.98	27.4	26.4	15.9	0.9
6.1	22.5	57.4	12.1	11.7	26.73	0.99	27.4	26.3	16.1	1.0
6.3	22.4	57.4	11.7	12.6	27.45	1.01	27.6	26.4	16.2	0.9
6.5	22.4	57.0	11.2	13.4	26.26	1.03	28.0	26.8	16.2	0.9
6.7	22.3	55.8	10.9	14.2	23.29	1.04	27.9	26.9	16.4	1.0
6.9	22.2	54.7	10.6	15.1	20.71	1.06	27.6	26.6	16.5	1.0
7.1	22.1	54.5	10.4	15.8	20.51	1.06	28.1	26.8	16.6	0.9
7.3	22.0	54.0	10.4	16.2	19.63	1.07	28.5	27.2	16.6	0.9
7.5	21.9	52.7	10.3	16.5	17.11	1.07	28.5	26.9	16.7	1.0
7.7	21.8	52.5	10.4	16.4	17.04	1.07	28.5	27.5	16.7	1.0
7.9	21.7	51.9	10.6	16.3	16.11	1.06	28.4	27.1	16.7	0.9
8.1	21.6	51.7	10.7	16.3	15.91	1.06	28.7	26.9	16.8	0.9
8.3	21.6	51.2	10.8	16.0	15.14	1.06	28.5	26.8	16.7	0.9
8.5	21.5	50.4	11.0	15.9	13.93	1.05	28.4	26.4	16.8	0.9
8.7	21.5	50.1	11.1	16.1	13.57	1.05	29.2	27.1	16.7	1.0
8.9	21.4	49.7	11.0	15.9	12.97	1.05	29.0	27.4	16.6	1.0
9.1	21.4	48.9	11.0	16.0	11.89	1.05	28.6	26.7	16.7	1.0
9.3	21.4	48.3	11.0	16.2	11.23	1.05	28.9	27.0	16.6	1.0
9.5	21.4	48.4	10.7	16.3	11.20	1.06	28.7	26.8	16.5	1.0
9.7	21.4	47.7	10.6	16.5	10.44	1.06	28.4	26.4	16.5	1.0
9.9	21.4	47.6	10.3	16.7	10.21	1.07	28.3	26.2	16.2	1.0
10.1	21.4	47.1	10.1	16.5	9.53	1.07	28.0	25.6	16.0	1.0
10.3	21.5	46.9	9.9	16.4	9.27	1.08	27.8	26.2	16.0	1.0
10.5	21.5	46.5	9.8	16.5	8.77	1.08	27.5	24.8	15.5	1.1
10.7	21.6	46.2	9.4	16.1	8.33	1.09	27.5	24.6	15.4	1.1
10.9	21.7	45.9	9.4	15.7	7.89	1.09	27.4	24.4	15.4	1.2
11.1	21.8	45.4	9.3	15.5	7.37	1.09	27.5	23.8	14.8	1.2
11.3	21.9	45.2	9.1	14.9	7.03	1.09	27.1	23.9	14.7	1.1
11.5	22.0	45.0	9.0	14.1	6.75	1.09	27.4	23.1	14.2	1.2
11.7	22.0	44.6	9.0	13.4	6.33	1.08	27.0	22.3	13.6	1.2
11.9	22.1	44.3	9.0	12.6	5.99	1.07	26.7	22.5	13.5	1.2
12.1	22.2	44.1	9.0	11.6	5.73	1.05	27.1	21.7	13.1	1.3
12.3	22.2	44.0	9.1	10.7	5.54	1.03	26.4	21.3	12.8	1.3
12.5	22.3	43.8	9.3	9.7	5.36	1.01	24.1	20.9	12.5	1.3
12.7	22.2	43.8	9.6	8.8	5.27	0.97	22.2	20.6	12.3	1.3
12.9	22.1	43.9	10.0	8.0	5.31	0.93	22.9	20.2	11.7	1.4
13.0	22.1	43.9	10.1	7.7	5.29	0.91	22.1	20.0	11.4	1.3
13.5	21.4	44.7	10.9	6.3	5.97	0.82	17.2	19.5	10.8	1.4
14.0	20.3	46.1	10.7	5.9	7.77	0.79	16.4	19.7	10.1	1.5

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: V_{DD} = +4.25 V, I_{DD} = 78 mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output		1dB Comp. Output	Noise Figure
							POUT = +5 dBm/Tone	POUT = 0 dBm/Tone		
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.0	21.4	71.6	7.0	7.9	130.95	1.01	26.1	25.6	15.5	1.5
4.5	22.0	73.7	8.9	8.1	195.54	0.96	26.4	25.6	16.0	1.3
5.0	22.4	65.4	11.1	8.8	63.97	0.94	27.5	26.5	16.5	1.1
5.5	22.7	61.0	12.8	9.9	39.03	0.95	27.6	26.4	17.0	1.0
5.7	22.8	59.5	13.0	10.4	32.48	0.96	28.2	26.9	17.1	1.0
5.9	22.8	58.9	12.9	11.0	31.06	0.97	28.0	26.9	17.2	0.9
6.1	22.7	58.7	12.7	11.7	30.64	0.98	28.1	26.6	17.4	1.0
6.3	22.7	57.8	12.3	12.6	28.12	1.00	28.3	26.8	17.5	0.9
6.5	22.6	56.9	11.8	13.4	25.66	1.02	28.5	27.2	17.6	0.9
6.7	22.5	56.0	11.6	14.2	23.46	1.03	28.4	26.7	17.7	0.9
6.9	22.4	55.3	11.2	15.1	21.72	1.04	27.9	26.4	17.9	1.0
7.1	22.3	54.7	11.0	15.7	20.65	1.05	28.3	26.6	18.0	0.9
7.3	22.2	54.6	10.9	16.1	20.65	1.06	28.7	27.3	18.0	0.9
7.5	22.1	53.7	10.9	16.4	18.88	1.06	28.6	27.1	18.1	0.9
7.7	22.0	53.3	10.9	16.4	18.33	1.06	28.7	27.0	18.0	0.9
7.9	22.0	52.2	11.1	16.3	16.38	1.05	28.5	26.8	18.1	0.9
8.1	21.9	51.9	11.2	16.3	16.01	1.05	28.5	27.2	18.1	0.9
8.3	21.8	51.7	11.3	16.0	15.73	1.05	28.7	27.0	18.0	0.9
8.5	21.8	51.2	11.6	15.9	15.10	1.04	28.6	26.4	18.1	1.0
8.7	21.7	50.6	11.7	16.0	14.15	1.04	28.7	26.5	17.9	0.9
8.9	21.7	50.0	11.6	15.9	13.21	1.04	28.8	26.5	17.8	1.0
9.1	21.7	49.7	11.7	15.9	12.81	1.04	28.3	26.1	17.9	1.0
9.3	21.7	49.7	11.7	16.2	12.95	1.04	28.5	26.3	17.8	1.0
9.5	21.6	49.2	11.4	16.3	12.23	1.05	28.5	26.3	17.7	1.0
9.7	21.7	48.3	11.2	16.4	10.98	1.05	28.1	25.5	17.7	1.0
9.9	21.7	48.3	11.0	16.6	10.85	1.06	28.2	25.9	17.4	1.0
10.1	21.7	47.7	10.7	16.4	10.00	1.06	27.8	25.1	17.2	1.0
10.3	21.7	47.4	10.6	16.2	9.66	1.06	27.8	25.1	17.2	1.1
10.5	21.8	47.2	10.4	16.3	9.29	1.07	27.4	24.4	16.7	1.1
10.7	21.9	46.7	10.0	15.9	8.65	1.07	27.2	24.1	16.6	1.1
10.9	21.9	46.3	10.0	15.5	8.10	1.07	27.1	24.0	16.6	1.2
11.1	22.1	46.0	9.9	15.3	7.77	1.07	27.0	23.4	16.1	1.1
11.3	22.2	45.8	9.6	14.7	7.35	1.08	26.7	23.3	16.0	1.2
11.5	22.3	45.7	9.5	13.9	7.18	1.07	26.8	22.7	15.5	1.2
11.7	22.4	45.4	9.5	13.2	6.76	1.06	27.0	22.0	14.8	1.2
11.9	22.5	45.1	9.4	12.4	6.39	1.06	26.1	22.1	14.7	1.2
12.1	22.5	44.9	9.4	11.4	6.13	1.04	26.6	21.4	14.2	1.3
12.3	22.6	44.6	9.5	10.5	5.77	1.02	27.0	21.1	14.0	1.3
12.5	22.6	44.4	9.7	9.6	5.54	0.99	27.9	20.7	13.6	1.3
12.7	22.6	44.4	10.0	8.6	5.39	0.95	28.1	20.5	13.3	1.4
12.9	22.5	44.4	10.3	7.8	5.34	0.92	28.1	20.1	12.7	1.3
13.0	22.5	44.7	10.4	7.5	5.49	0.90	28.0	19.9	12.4	1.4
13.5	21.9	45.2	11.2	6.1	5.91	0.81	21.3	19.5	11.8	1.4
14.0	20.8	46.7	10.9	5.6	7.73	0.77	20.0	19.6	11.0	1.5

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: V_{DD} = +4 V, I_{DD} = 72 mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output		1dB Comp. Output	Noise Figure
							POUT = +5 dBm/Tone	POUT = 0 dBm/Tone		
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.0	21.5	79.3	6.6	7.3	264.1	1.0	25.9	25.6	15.0	1.2
4.5	22.2	70.1	8.4	7.5	92.4	0.9	26.1	25.3	15.5	1.0
5.0	22.6	64.4	10.7	8.0	49.5	0.9	27.2	26.0	16.0	0.8
5.5	22.9	60.8	12.2	9.1	34.0	0.9	27.6	26.1	16.4	0.8
5.7	23.0	60.2	12.4	9.7	32.1	0.9	28.1	26.8	16.5	0.8
5.9	23.0	58.9	12.2	10.3	28.3	1.0	28.1	26.5	16.7	0.7
6.1	23.0	58.3	11.8	10.9	26.5	1.0	28.0	26.8	16.9	0.7
6.3	22.9	57.5	11.4	11.4	24.5	1.0	28.1	26.4	17.0	0.7
6.5	22.9	56.6	11.0	11.9	22.4	1.0	28.4	26.5	17.1	0.7
6.7	22.8	56.1	10.8	12.4	21.3	1.0	28.2	27.3	17.1	0.6
6.9	22.7	55.5	10.7	12.9	20.2	1.0	27.9	26.2	17.4	0.7
7.1	22.6	54.9	10.6	13.3	19.1	1.0	28.3	26.2	17.4	0.6
7.3	22.5	54.0	10.7	13.7	17.6	1.0	28.8	27.1	17.4	0.6
7.5	22.5	53.5	10.8	14.1	16.8	1.0	28.8	27.1	17.6	0.7
7.7	22.4	52.8	10.9	14.4	15.7	1.0	29.0	26.6	17.5	0.7
7.9	22.4	52.1	11.1	14.7	14.8	1.0	28.6	27.2	17.7	0.6
8.1	22.3	51.9	11.2	14.8	14.7	1.0	28.9	27.3	17.7	0.6
8.3	22.2	51.2	11.4	14.8	13.6	1.0	29.0	27.3	17.6	0.6
8.5	22.2	50.8	11.6	14.7	13.1	1.0	28.7	26.7	17.6	0.6
8.7	22.1	50.2	11.8	14.6	12.4	1.0	29.2	26.9	17.6	0.6
8.9	22.1	49.9	11.9	14.5	12.0	1.0	29.0	27.2	17.5	0.6
9.1	22.1	49.6	11.9	14.6	11.7	1.0	28.8	27.2	17.5	0.6
9.3	22.1	49.3	11.8	14.7	11.3	1.0	29.0	26.2	17.4	0.7
9.5	22.1	48.6	11.6	15.0	10.5	1.0	28.8	26.6	17.2	0.6
9.7	22.1	48.2	11.3	15.4	9.9	1.0	28.5	26.6	17.2	0.6
9.9	22.1	47.9	10.8	15.8	9.6	1.1	28.6	26.3	17.0	0.6
10.1	22.1	47.5	10.4	16.2	9.1	1.1	28.1	25.6	16.9	0.7
10.3	22.1	47.3	10.0	16.6	8.8	1.1	27.9	25.7	16.8	0.7
10.5	22.2	46.9	9.6	16.8	8.2	1.1	27.6	24.6	16.3	0.7
10.7	22.2	46.5	9.2	16.7	7.8	1.1	27.6	24.5	16.3	0.7
10.9	22.3	46.2	9.0	16.4	7.4	1.1	27.4	24.6	16.2	0.8
11.1	22.4	45.9	8.9	16.0	7.0	1.1	27.1	23.8	15.7	0.7
11.3	22.5	45.6	8.8	15.1	6.7	1.1	26.9	24.1	15.5	0.8
11.5	22.6	45.3	8.8	14.2	6.3	1.1	27.2	23.4	14.8	0.7
11.7	22.7	44.9	8.8	13.2	5.9	1.1	27.5	22.6	14.2	0.8
11.9	22.8	44.7	8.9	12.0	5.6	1.1	26.6	22.8	14.1	0.8
12.1	22.9	44.5	9.0	11.0	5.3	1.0	27.4	22.1	13.6	0.8
12.3	23.0	44.3	9.1	10.1	5.1	1.0	27.9	21.7	13.6	0.9
12.5	23.1	44.2	9.3	9.2	4.9	1.0	28.7	21.2	13.3	0.9
12.7	23.1	44.1	9.6	8.5	4.7	1.0	26.8	20.9	12.9	0.9
12.9	23.0	44.1	10.0	7.9	4.7	0.9	27.7	20.5	12.2	0.9
13.0	23.0	44.1	10.2	7.6	4.7	0.9	26.9	20.3	11.9	0.9
13.5	22.5	44.7	11.3	6.2	5.2	0.8	19.9	19.8	11.1	1.0
14.0	21.5	46.4	11.4	5.4	6.57	0.75	18.7	20.1	10.5	1.0

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: V_{DD} = +4 V, I_{DD} = 72 mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output		1dB Comp. Output	Noise Figure
							POUT = +5 dBm/Tone	POUT = 0 dBm/Tone		
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.0	20.4	77.3	7.0	7.8	247.8	1.0	25.3	25.3	14.1	2.0
4.5	21.1	67.5	9.0	8.1	81.9	1.0	25.7	25.4	14.7	1.7
5.0	21.6	63.5	11.2	8.8	53.0	0.9	27.0	26.5	15.2	1.5
5.5	21.9	60.5	12.2	10.1	38.7	1.0	27.2	26.4	15.7	1.4
5.7	22.0	59.2	12.1	10.7	33.6	1.0	27.9	26.9	15.8	1.4
5.9	22.0	58.3	11.8	11.4	30.6	1.0	27.9	27.6	16.0	1.3
6.1	21.9	57.9	11.3	12.0	29.4	1.0	27.8	26.5	16.2	1.3
6.3	21.9	57.0	10.9	12.6	26.7	1.0	27.9	26.6	16.3	1.3
6.5	21.8	56.4	10.5	13.2	25.4	1.0	28.2	27.0	16.4	1.2
6.7	21.7	55.7	10.3	13.9	23.5	1.1	28.2	26.6	16.6	1.3
6.9	21.6	55.0	10.1	14.5	22.0	1.1	27.8	26.1	16.7	1.3
7.1	21.5	54.5	10.0	15.1	21.0	1.1	28.3	26.6	16.8	1.3
7.3	21.5	53.8	10.1	15.7	19.6	1.1	28.8	27.0	16.8	1.2
7.5	21.4	53.1	10.1	16.1	18.4	1.1	28.5	27.4	16.8	1.3
7.7	21.3	52.5	10.2	16.4	17.6	1.1	28.8	27.1	16.8	1.3
7.9	21.3	52.0	10.4	16.5	16.6	1.1	28.7	26.9	16.8	1.3
8.1	21.2	51.7	10.5	16.6	16.3	1.1	29.2	26.4	16.9	1.3
8.3	21.2	51.0	10.7	16.7	15.3	1.1	28.8	27.0	16.8	1.3
8.5	21.1	50.4	10.8	16.8	14.4	1.1	28.6	26.5	16.9	1.3
8.7	21.1	50.1	10.8	17.0	14.0	1.1	29.0	26.7	16.8	1.3
8.9	21.1	49.6	10.8	17.2	13.2	1.1	28.9	26.3	16.7	1.2
9.1	21.1	49.4	10.8	17.5	12.9	1.1	28.6	26.1	16.6	1.3
9.3	21.0	49.0	10.6	17.8	12.4	1.1	28.7	26.8	16.6	1.3
9.5	21.1	48.5	10.4	18.0	11.7	1.1	28.5	26.3	16.4	1.3
9.7	21.0	48.1	10.2	18.2	11.2	1.1	28.4	26.1	16.3	1.3
9.9	21.1	47.8	9.9	18.3	10.7	1.1	28.4	26.1	16.1	1.3
10.1	21.1	47.4	9.6	18.3	10.1	1.1	27.9	25.1	16.0	1.4
10.3	21.1	47.0	9.3	18.2	9.5	1.1	27.7	25.4	15.8	1.4
10.5	21.2	46.7	9.1	18.0	9.1	1.1	27.8	24.3	15.4	1.4
10.7	21.2	46.3	8.8	17.7	8.6	1.1	27.4	24.0	15.4	1.4
10.9	21.3	46.0	8.7	17.0	8.2	1.1	27.3	23.8	15.3	1.4
11.1	21.4	45.7	8.6	16.0	7.8	1.1	27.6	23.1	14.8	1.5
11.3	21.5	45.4	8.5	14.8	7.3	1.1	26.9	23.1	14.7	1.5
11.5	21.6	45.2	8.5	13.6	6.9	1.1	27.6	22.5	14.2	1.5
11.7	21.7	44.8	8.5	12.5	6.5	1.1	28.1	21.8	13.6	1.5
11.9	21.8	44.6	8.6	11.5	6.2	1.1	26.6	21.9	13.6	1.5
12.1	21.9	44.4	8.6	10.6	5.9	1.0	28.0	21.1	13.2	1.6
12.3	22.0	44.2	8.7	9.8	5.6	1.0	27.8	20.8	13.0	1.6
12.5	22.1	44.0	8.8	9.2	5.4	1.0	25.9	20.4	12.7	1.7
12.7	22.1	44.0	9.0	8.5	5.3	1.0	23.2	20.1	12.3	1.7
12.9	22.0	44.0	9.3	7.8	5.3	0.9	23.9	19.8	11.7	1.7
13.0	22.0	44.1	9.5	7.5	5.3	0.9	22.9	19.4	11.4	1.7
13.5	21.3	45.0	10.3	5.9	6.0	0.8	17.7	19.3	10.5	1.8
14.0	20.2	46.7	10.6	5.2	7.88	0.75	16.6	19.5	9.9	1.9

Typical Performance Data

Definitions:
Input Return Loss = -S11 (dB)
Gain(Power Gain) = S21 (dB)
Reverse Isolation = -S12 (dB)
Output Return Loss = -S22 (dB)

TEST CONDITIONS: V_{DD} = +4 V, I_{DD} = 72 mA @ Temperature = +105°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output		1dB Comp. Output	Noise Figure
							POUT = +5 dBm/Tone	POUT = 0 dBm/Tone		
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dBm)	(dB)
4.0	20.2	76.3	7.0	7.8	226.5	1.0	25.0	25.2	13.7	2.1
4.5	21.0	67.6	9.0	8.1	84.4	1.0	25.4	25.2	14.2	1.8
5.0	21.5	63.0	11.2	8.9	51.3	0.9	26.7	26.4	14.7	1.6
5.5	21.8	60.3	12.1	10.2	38.3	1.0	26.9	26.2	15.3	1.5
5.7	21.8	59.2	12.0	10.9	34.4	1.0	27.8	27.1	15.4	1.4
5.9	21.8	58.6	11.7	11.5	32.4	1.0	27.6	26.4	15.6	1.4
6.1	21.8	58.0	11.2	12.1	30.2	1.0	27.7	26.5	15.9	1.4
6.3	21.7	57.3	10.8	12.8	28.3	1.0	27.9	26.8	15.9	1.4
6.5	21.6	56.3	10.4	13.4	25.3	1.0	28.0	27.1	16.1	1.4
6.7	21.6	55.7	10.2	14.1	23.9	1.1	28.0	26.9	16.3	1.4
6.9	21.5	54.9	10.0	14.8	22.2	1.1	27.6	26.5	16.4	1.4
7.1	21.4	54.5	9.9	15.4	21.5	1.1	28.2	27.1	16.5	1.4
7.3	21.3	53.8	10.0	16.0	20.1	1.1	28.6	27.7	16.6	1.3
7.5	21.3	53.2	10.0	16.4	19.0	1.1	28.5	27.0	16.6	1.3
7.7	21.2	52.8	10.1	16.7	18.5	1.1	28.7	26.6	16.6	1.4
7.9	21.1	51.9	10.3	16.8	16.8	1.1	28.5	26.7	16.6	1.4
8.1	21.1	51.6	10.4	16.9	16.4	1.1	28.8	26.7	16.7	1.4
8.3	21.0	51.0	10.6	17.0	15.4	1.1	28.4	27.4	16.6	1.3
8.5	21.0	50.6	10.7	17.1	15.0	1.1	28.7	26.2	16.7	1.3
8.7	21.0	50.2	10.7	17.3	14.3	1.1	28.6	26.8	16.6	1.4
8.9	20.9	49.7	10.7	17.6	13.6	1.1	29.0	26.9	16.5	1.3
9.1	20.9	49.3	10.6	17.9	13.1	1.1	28.7	26.3	16.5	1.4
9.3	20.9	48.9	10.5	18.2	12.5	1.1	28.9	26.3	16.5	1.4
9.5	20.9	48.5	10.3	18.4	11.9	1.1	28.7	26.8	16.3	1.4
9.7	20.9	48.1	10.1	18.5	11.3	1.1	28.1	25.8	16.1	1.4
9.9	20.9	47.7	9.8	18.6	10.8	1.1	28.2	25.6	16.0	1.4
10.1	21.0	47.3	9.5	18.6	10.2	1.1	27.9	25.6	15.8	1.4
10.3	21.0	47.1	9.2	18.4	9.8	1.1	28.0	24.9	15.7	1.5
10.5	21.0	46.8	9.0	18.1	9.3	1.1	27.9	23.9	15.3	1.5
10.7	21.1	46.3	8.7	17.7	8.7	1.1	27.6	24.0	15.3	1.5
10.9	21.2	46.0	8.6	16.9	8.3	1.1	27.3	23.8	15.2	1.5
11.1	21.3	45.7	8.5	16.0	7.9	1.1	27.6	22.9	14.7	1.6
11.3	21.4	45.4	8.4	14.8	7.4	1.1	26.9	23.3	14.6	1.6
11.5	21.5	45.1	8.4	13.6	7.0	1.1	27.6	22.3	14.1	1.6
11.7	21.6	44.8	8.5	12.5	6.6	1.1	28.1	21.8	13.6	1.6
11.9	21.7	44.6	8.5	11.4	6.3	1.1	26.7	22.1	13.5	1.6
12.1	21.8	44.4	8.6	10.5	5.9	1.0	27.9	21.1	13.1	1.7
12.3	21.9	44.2	8.7	9.8	5.7	1.0	27.4	20.8	13.0	1.7
12.5	22.0	44.0	8.8	9.1	5.4	1.0	25.0	20.3	12.7	1.8
12.7	22.0	44.0	9.0	8.4	5.3	1.0	22.8	20.1	12.3	1.8
12.9	21.9	44.1	9.3	7.8	5.4	0.9	23.3	19.8	11.7	1.9
13.0	21.8	44.1	9.4	7.5	5.4	0.9	22.4	19.5	11.4	1.9
13.5	21.1	45.0	10.3	5.9	6.1	0.8	17.5	19.2	10.5	2.0
14.0	20.0	46.8	10.5	5.2	8.13	0.75	16.5	19.6	9.9	2.0