

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required

Definitions:

Input Return Loss = S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{DD} = +5 V, I_{DD} = 140 mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	IP-3 Output	IM3 Output	1dB Comp. Output	Psat Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBc)	(dBm)	(dBm)	(dB)
5.0	21.4	-63.6	-19.3	-9.7	27.6	-36.8	20.3	22.6	7.1
5.1	21.5	-63.3	-19.2	-9.9	27.6	-36.8	20.4	22.6	7.0
5.2	21.6	-63.0	-19.2	-10.2	27.6	-36.8	20.4	22.7	7.1
5.3	21.6	-63.0	-19.2	-10.4	27.6	-36.9	20.5	22.7	6.9
5.4	21.7	-63.1	-19.2	-10.6	27.6	-36.9	20.6	22.8	6.8
5.5	21.8	-63.0	-19.2	-10.8	27.6	-36.8	20.6	22.9	6.8
5.6	21.9	-63.3	-19.2	-11.0	27.6	-36.8	20.7	22.9	6.7
5.7	22.0	-63.2	-19.2	-11.1	27.6	-36.9	20.8	22.9	6.7
5.8	22.0	-63.2	-19.1	-11.3	27.6	-36.9	20.9	22.9	6.7
5.9	22.1	-63.6	-19.1	-11.5	27.7	-36.9	21.0	23.0	6.6
6.0	22.1	-63.2	-19.0	-11.7	27.7	-37.0	21.1	23.0	6.5
6.1	22.2	-63.5	-18.9	-11.9	27.7	-37.1	21.2	23.0	6.5
6.2	22.2	-64.1	-18.8	-12.1	27.7	-37.0	21.3	23.0	6.4
6.3	22.3	-64.0	-18.6	-12.4	27.7	-37.0	21.3	23.0	6.4
6.4	22.3	-64.4	-18.4	-12.6	27.7	-37.0	21.4	23.1	6.3
6.5	22.3	-64.8	-18.2	-12.9	27.7	-36.9	21.4	23.1	6.3
6.6	22.3	-65.1	-18.0	-13.2	27.6	-36.9	21.5	23.1	6.3
6.7	22.3	-65.1	-17.8	-13.5	27.6	-36.9	21.5	23.2	6.2
6.8	22.3	-66.3	-17.6	-13.9	27.6	-36.9	21.5	23.2	6.2
6.9	22.3	-66.5	-17.3	-14.2	27.7	-37.0	21.6	23.3	6.2
7.0	22.3	-66.2	-17.1	-14.5	27.7	-37.1	21.6	23.3	6.1
7.1	22.4	-65.7	-16.9	-14.9	27.8	-37.2	21.6	23.3	6.1
7.2	22.4	-64.3	-16.7	-15.4	27.8	-37.2	21.6	23.4	6.1
7.3	22.4	-64.8	-16.5	-15.8	27.9	-37.4	21.7	23.4	6.1
7.4	22.3	-65.6	-16.2	-16.1	27.9	-37.4	21.7	23.4	6.0
7.5	22.3	-66.1	-16.0	-16.6	27.9	-37.4	21.7	23.4	5.9
7.6	22.3	-66.9	-15.9	-17.0	28.0	-37.5	21.7	23.4	6.0
7.7	22.3	-66.8	-15.8	-17.3	28.0	-37.6	21.7	23.4	5.9
7.8	22.3	-66.8	-15.6	-17.6	28.0	-37.6	21.7	23.4	5.9
7.9	22.4	-67.3	-15.4	-17.8	28.1	-37.7	21.7	23.3	5.9
8.0	22.4	-67.9	-15.2	-18.0	28.1	-37.7	21.7	23.2	5.9
8.1	22.4	-68.4	-15.1	-18.2	28.1	-37.8	21.7	23.2	5.9
8.2	22.4	-69.1	-15.1	-18.2	28.1	-37.8	21.7	23.3	5.9
8.3	22.4	-69.3	-15.2	-18.2	28.2	-37.8	21.7	23.3	5.8
8.4	22.4	-69.1	-15.4	-18.1	28.2	-37.8	21.6	23.2	5.8
8.5	22.4	-69.8	-15.5	-18.0	28.2	-37.8	21.6	23.2	5.9
8.6	22.5	-69.7	-15.6	-17.7	28.2	-37.9	21.7	23.3	5.8
8.7	22.5	-69.5	-15.6	-17.6	28.1	-37.8	21.7	23.3	5.8
8.8	22.5	-68.7	-15.7	-17.4	28.1	-37.8	21.7	23.3	5.8
8.9	22.5	-68.8	-15.9	-17.2	28.1	-37.7	21.6	23.3	5.8
9.0	22.5	-68.3	-16.1	-16.9	28.0	-37.6	21.6	23.3	5.8
9.1	22.5	-67.1	-16.4	-16.7	28.0	-37.6	21.6	23.4	5.8
9.2	22.5	-66.1	-16.8	-16.5	28.0	-37.5	21.6	23.4	5.8
9.3	22.5	-65.3	-17.1	-16.3	28.0	-37.5	21.6	23.3	5.7
9.4	22.5	-64.7	-17.5	-16.2	27.9	-37.3	21.6	23.3	5.8
9.5	22.5	-64.0	-17.9	-16.0	27.8	-37.2	21.6	23.4	5.7
9.6	22.5	-63.0	-18.3	-15.9	27.8	-37.1	21.6	23.5	5.8
9.7	22.5	-62.4	-18.7	-15.7	27.7	-36.9	21.6	23.4	5.7
9.8	22.6	-61.8	-19.1	-15.5	27.6	-36.8	21.6	23.4	5.7
9.9	22.6	-61.2	-19.5	-15.3	27.5	-36.6	21.6	23.5	5.7
10.0	22.6	-60.6	-19.7	-15.1	27.5	-36.4	21.6	23.5	5.7
10.1	22.7	-60.1	-20.0	-14.8	27.4	-36.2	21.6	23.5	5.6
10.2	22.7	-59.5	-20.3	-14.5	27.3	-36.0	21.6	23.5	5.6
10.3	22.7	-59.3	-20.8	-14.1	27.2	-35.9	21.5	23.4	5.6
10.4	22.7	-58.8	-21.1	-13.8	27.1	-35.7	21.5	23.5	5.6
10.5	22.7	-59.2	-21.4	-13.5	27.0	-35.4	21.6	23.5	5.6
10.6	22.6	-59.3	-21.5	-13.2	26.9	-35.2	21.5	23.4	5.5
10.7	22.6	-58.8	-21.8	-12.8	26.8	-35.0	21.5	23.3	5.5
10.8	22.5	-58.3	-22.2	-12.4	26.6	-34.8	21.5	23.3	5.5
10.9	22.5	-58.1	-22.7	-12.0	26.5	-34.5	21.5	23.4	5.4
11.0	22.4	-57.7	-23.4	-11.8	26.4	-34.2	21.5	23.3	5.4
11.1	22.3	-57.3	-24.1	-11.6	26.3	-34.0	21.5	23.2	5.4
11.2	22.2	-56.9	-24.7	-11.5	26.1	-33.8	21.5	23.2	5.3
11.3	22.0	-56.5	-25.3	-11.4	26.0	-33.5	21.5	23.2	5.3
11.4	21.9	-56.1	-25.9	-11.3	25.9	-33.2	21.6	23.2	5.3
11.5	21.8	-55.6	-26.3	-11.3	25.8	-33.0	21.5	23.1	5.3
11.6	21.7	-55.1	-26.8	-11.3	25.6	-32.8	21.5	23.1	5.2
11.7	21.6	-55.1	-27.1	-11.4	25.5	-32.5	21.5	23.1	5.2
11.8	21.5	-55.1	-27.4	-11.5	25.3	-32.1	21.6	23.1	5.2
11.9	21.4	-55.3	-27.4	-11.6	25.1	-31.8	21.6	23.1	5.2
12.0	21.3	-55.5	-27.3	-11.6	25.0	-31.4	21.5	23.0	5.2

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} = 140 mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	IP-3 Output	IM3 Output	1dB Comp. Output	Psat Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBc)	(dBm)	(dBm)	(dB)
5.0	22.5	-63.5	-19.3	-10.1	28.0	-37.3	19.4	21.2	7.0
5.1	22.6	-63.2	-19.4	-10.5	28.0	-37.1	19.6	21.4	6.9
5.2	22.7	-63.1	-19.4	-10.7	27.9	-37.0	19.5	21.4	6.9
5.3	22.8	-63.1	-19.5	-11.0	28.3	-36.7	19.7	21.6	6.8
5.4	22.9	-62.9	-19.5	-11.2	27.9	-36.9	19.7	21.6	6.7
5.5	23.0	-63.0	-19.5	-11.5	27.9	-36.8	19.8	21.7	6.7
5.6	23.0	-63.3	-19.5	-11.6	27.5	-36.6	19.8	21.8	6.6
5.7	23.1	-63.2	-19.5	-11.8	27.8	-36.7	19.9	21.9	6.6
5.8	23.2	-63.2	-19.5	-12.1	27.8	-36.9	20.1	22.1	6.5
5.9	23.2	-63.1	-19.5	-12.3	27.5	-36.6	20.1	22.0	6.5
6.0	23.3	-63.2	-19.5	-12.5	27.8	-36.6	20.1	22.1	6.4
6.1	23.3	-63.9	-19.4	-12.8	28.1	-36.2	19.9	21.7	6.4
6.2	23.4	-63.4	-19.3	-13.1	28.0	-36.1	20.0	21.7	6.3
6.3	23.4	-63.9	-19.1	-13.3	27.8	-35.7	20.1	21.9	6.2
6.4	23.5	-64.1	-19.0	-13.7	27.9	-35.8	20.2	21.9	6.2
6.5	23.5	-64.7	-18.8	-14.0	28.0	-35.9	20.2	21.9	6.2
6.6	23.5	-65.0	-18.7	-14.4	27.9	-35.6	20.2	22.0	6.1
6.7	23.5	-65.7	-18.5	-14.7	27.8	-35.7	20.1	21.8	6.1
6.8	23.5	-66.0	-18.3	-15.1	27.9	-35.7	20.1	21.9	6.1
6.9	23.5	-66.3	-18.0	-15.5	27.9	-35.9	20.2	22.2	6.1
7.0	23.5	-66.1	-17.8	-15.9	27.9	-35.9	20.2	22.2	6.0
7.1	23.5	-65.5	-17.5	-16.3	27.9	-36.0	20.2	22.2	6.0
7.2	23.5	-64.4	-17.3	-16.8	28.0	-36.2	20.2	22.3	6.0
7.3	23.5	-64.9	-17.0	-17.3	28.3	-36.5	20.2	22.1	6.0
7.4	23.4	-65.5	-16.8	-17.7	28.2	-36.4	20.3	22.2	5.9
7.5	23.4	-66.1	-16.6	-18.3	28.1	-36.3	20.4	22.2	5.8
7.6	23.4	-66.4	-16.4	-18.7	28.0	-36.4	20.1	22.0	5.9
7.7	23.4	-67.2	-16.2	-19.2	28.1	-36.4	20.3	22.1	5.8
7.8	23.4	-66.5	-16.0	-19.5	28.1	-36.5	20.1	21.9	5.8
7.9	23.4	-67.0	-15.8	-19.8	28.3	-36.7	20.4	22.1	5.8
8.0	23.4	-67.1	-15.6	-20.0	27.7	-36.7	20.4	22.1	5.8
8.1	23.4	-68.6	-15.4	-20.1	27.5	-36.7	20.2	21.9	5.8
8.2	23.5	-68.8	-15.3	-20.2	27.7	-36.9	20.3	21.9	5.7
8.3	23.5	-68.6	-15.2	-20.1	27.8	-36.9	20.1	21.8	5.8
8.4	23.5	-69.5	-15.2	-20.0	27.7	-36.9	20.1	21.7	5.7
8.5	23.5	-69.8	-15.3	-19.8	27.7	-36.8	20.3	22.1	5.7
8.6	23.5	-69.6	-15.4	-19.5	28.1	-36.6	20.3	22.0	5.7
8.7	23.5	-68.8	-15.4	-19.3	28.1	-36.6	20.3	22.1	5.7
8.8	23.5	-69.0	-15.4	-19.0	28.0	-36.5	20.3	22.1	5.7
8.9	23.5	-68.5	-15.5	-18.7	28.2	-36.6	20.1	22.0	5.7
9.0	23.5	-68.1	-15.7	-18.4	28.2	-36.8	20.0	22.0	5.7
9.1	23.5	-66.9	-16.0	-18.0	28.1	-36.5	20.3	22.2	5.7
9.2	23.5	-65.7	-16.3	-17.7	28.0	-36.4	20.1	22.0	5.6
9.3	23.5	-65.1	-16.6	-17.4	28.0	-36.3	20.2	22.1	5.7
9.4	23.6	-64.5	-17.0	-17.2	27.8	-36.2	20.3	22.3	5.6
9.5	23.6	-63.6	-17.4	-17.0	27.5	-36.5	19.9	21.8	5.6
9.6	23.6	-62.7	-17.7	-16.7	27.6	-36.4	20.1	22.1	5.6
9.7	23.6	-62.4	-18.1	-16.4	27.4	-36.1	20.0	22.1	5.6
9.8	23.6	-61.5	-18.4	-16.0	27.2	-35.8	19.9	21.9	5.6
9.9	23.7	-61.1	-18.7	-15.7	27.3	-35.8	20.1	22.3	5.6
10.0	23.7	-60.6	-19.1	-15.4	27.2	-35.6	20.0	22.1	5.6
10.1	23.7	-60.0	-19.3	-15.0	27.0	-35.5	19.7	21.8	5.6
10.2	23.8	-59.4	-19.6	-14.5	27.0	-35.2	19.9	22.0	5.5
10.3	23.8	-59.1	-19.8	-14.0	26.9	-35.1	19.5	21.5	5.5
10.4	23.8	-58.8	-20.1	-13.6	26.8	-34.9	19.6	21.7	5.5
10.5	23.8	-59.0	-20.4	-13.2	26.7	-34.7	19.6	21.7	5.5
10.6	23.7	-59.1	-20.7	-12.8	26.5	-34.7	19.2	21.3	5.4
10.7	23.7	-58.7	-21.1	-12.3	26.4	-34.4	19.4	21.3	5.3
10.8	23.7	-58.2	-21.6	-11.9	26.3	-34.1	19.7	21.6	5.3
10.9	23.6	-57.9	-22.2	-11.5	26.3	-34.0	19.3	21.3	5.3
11.0	23.5	-57.6	-23.0	-11.2	26.1	-33.6	19.4	21.4	5.2
11.1	23.4	-57.1	-23.8	-11.0	25.9	-33.3	19.5	21.4	5.2
11.2	23.3	-56.8	-24.7	-10.9	25.9	-33.4	19.1	21.0	5.2
11.3	23.2	-56.3	-25.7	-10.8	25.7	-32.9	19.6	21.3	5.2
11.4	23.1	-56.0	-26.7	-10.8	25.8	-32.9	19.4	21.2	5.1
11.5	23.0	-55.5	-27.8	-10.8	25.6	-32.6	19.4	21.2	5.1
11.6	22.9	-55.1	-28.9	-10.8	25.5	-32.1	19.7	21.5	5.1
11.7	22.8	-55.0	-30.0	-11.0	25.3	-31.8	19.7	21.3	5.0
11.8	22.7	-55.0	-31.0	-11.1	25.2	-31.7	19.6	21.3	5.0
11.9	22.6	-55.2	-31.6	-11.2	25.1	-31.2	19.9	21.5	5.0
12.0	22.5	-55.4	-32.0	-11.3	25.0	-31.2	19.7	21.3	5.0

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} = +6 V, I_{DD} = 140 mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	IP-3 Output	IM3 Output	1dB Comp. Output	Psat Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBc)	(dBm)	(dBm)	(dB)
5.0	20.7	-63.6	-20.1	-9.3	28.6	-39.2	20.8	22.8	7.2
5.1	20.7	-63.3	-20.1	-9.6	28.6	-39.0	20.7	22.8	7.0
5.2	20.8	-63.0	-20.1	-9.8	28.5	-38.9	20.8	22.9	7.0
5.3	20.9	-63.2	-20.2	-10.0	28.6	-38.6	20.9	22.9	6.9
5.4	21.0	-63.0	-20.1	-10.2	28.7	-38.8	20.9	23.0	6.8
5.5	21.1	-63.1	-20.1	-10.3	28.7	-38.9	21.0	23.1	6.8
5.6	21.1	-63.2	-20.1	-10.5	28.2	-38.6	21.1	23.1	6.7
5.7	21.2	-63.0	-20.0	-10.6	28.6	-38.9	21.2	23.1	6.7
5.8	21.3	-63.1	-19.9	-10.8	28.7	-39.1	21.2	23.2	6.6
5.9	21.3	-63.1	-19.8	-10.9	28.3	-38.7	21.4	23.3	6.6
6.0	21.4	-63.2	-19.7	-11.1	28.7	-38.8	21.4	23.3	6.5
6.1	21.4	-63.7	-19.5	-11.3	28.5	-38.2	21.6	23.3	6.5
6.2	21.5	-63.8	-19.3	-11.5	28.5	-38.2	21.8	23.3	6.5
6.3	21.5	-64.0	-19.0	-11.7	28.4	-37.8	21.8	23.4	6.4
6.4	21.5	-64.5	-18.8	-11.9	28.4	-38.2	22.0	23.5	6.4
6.5	21.5	-64.8	-18.6	-12.2	28.6	-38.3	22.1	23.5	6.3
6.6	21.6	-65.1	-18.3	-12.5	28.4	-37.9	22.2	23.6	6.2
6.7	21.6	-65.9	-18.1	-12.8	28.3	-38.2	22.4	23.6	6.3
6.8	21.6	-66.2	-17.8	-13.1	28.5	-38.2	22.4	23.7	6.2
6.9	21.6	-66.8	-17.5	-13.4	28.5	-38.3	22.3	23.8	6.2
7.0	21.6	-66.5	-17.2	-13.7	28.5	-38.3	22.3	23.8	6.1
7.1	21.6	-65.8	-16.9	-14.0	28.5	-38.4	22.4	23.8	6.1
7.2	21.6	-65.0	-16.7	-14.4	28.7	-38.6	22.5	23.9	6.0
7.3	21.6	-65.3	-16.4	-14.8	29.1	-39.1	22.5	23.8	6.0
7.4	21.6	-65.8	-16.2	-15.1	28.8	-38.9	22.5	23.9	6.0
7.5	21.6	-65.7	-16.0	-15.5	28.8	-38.7	22.6	23.9	6.0
7.6	21.6	-67.4	-15.8	-15.9	28.7	-38.9	22.5	23.7	5.9
7.7	21.6	-67.0	-15.6	-16.2	28.8	-39.0	22.6	23.9	5.9
7.8	21.6	-67.0	-15.4	-16.4	28.8	-38.9	22.5	23.8	5.9
7.9	21.7	-67.6	-15.2	-16.6	29.0	-39.3	22.6	23.9	5.9
8.0	21.7	-67.8	-15.0	-16.8	29.0	-39.5	22.6	23.9	5.9
8.1	21.7	-68.5	-14.9	-16.9	28.7	-39.4	22.6	23.8	5.9
8.2	21.7	-68.9	-14.8	-17.0	28.9	-39.7	22.6	23.9	5.8
8.3	21.7	-69.3	-14.8	-17.0	29.1	-39.7	22.5	23.8	5.8
8.4	21.7	-69.5	-14.8	-16.9	28.9	-39.7	22.5	23.8	5.8
8.5	21.8	-69.8	-14.9	-16.8	28.9	-39.6	22.6	24.0	5.8
8.6	21.8	-69.8	-14.9	-16.6	29.0	-39.2	22.5	23.9	5.8
8.7	21.8	-70.0	-15.0	-16.5	28.9	-39.3	22.6	24.0	5.8
8.8	21.8	-69.3	-15.0	-16.3	28.9	-39.2	22.6	24.0	5.8
8.9	21.8	-69.1	-15.2	-16.1	29.1	-39.3	22.6	23.8	5.8
9.0	21.8	-68.0	-15.4	-16.0	29.1	-39.4	22.6	23.9	5.8
9.1	21.8	-67.3	-15.6	-15.8	29.0	-39.2	22.6	24.0	5.8
9.2	21.8	-66.2	-15.9	-15.6	28.9	-38.9	22.5	23.9	5.8
9.3	21.8	-65.3	-16.2	-15.5	28.9	-39.0	22.5	24.0	5.8
9.4	21.8	-65.0	-16.6	-15.4	28.8	-38.7	22.5	24.2	5.8
9.5	21.8	-64.1	-16.9	-15.3	28.8	-39.2	22.4	23.8	5.7
9.6	21.8	-63.1	-17.3	-15.2	28.9	-39.2	22.5	24.1	5.7
9.7	21.8	-62.3	-17.6	-15.1	28.6	-38.7	22.3	24.1	5.7
9.8	21.9	-62.0	-17.9	-15.0	28.4	-38.4	22.4	23.9	5.7
9.9	21.9	-61.3	-18.2	-14.9	28.5	-38.3	22.5	24.3	5.7
10.0	21.9	-60.8	-18.5	-14.8	28.4	-38.2	22.4	24.1	5.7
10.1	22.0	-60.1	-18.8	-14.6	28.2	-38.0	22.4	23.9	5.7
10.2	22.0	-59.7	-19.1	-14.4	28.1	-37.7	22.5	24.1	5.7
10.3	22.0	-59.4	-19.4	-14.1	28.0	-37.4	22.3	23.7	5.6
10.4	22.0	-59.1	-19.7	-13.9	27.9	-37.2	22.4	23.9	5.6
10.5	21.9	-59.4	-20.0	-13.6	27.7	-36.9	22.4	23.9	5.6
10.6	21.9	-59.5	-20.4	-13.3	27.5	-36.8	22.2	23.6	5.6
10.7	21.9	-58.9	-20.8	-13.0	27.3	-36.4	22.4	23.6	5.5
10.8	21.8	-58.5	-21.3	-12.7	27.3	-36.1	22.6	23.8	5.5
10.9	21.7	-58.1	-22.0	-12.4	27.1	-35.8	22.4	23.6	5.5
11.0	21.7	-57.8	-22.7	-12.1	26.9	-35.3	22.5	23.7	5.4
11.1	21.5	-57.4	-23.5	-11.9	26.7	-34.9	22.7	23.7	5.4
11.2	21.4	-57.0	-24.3	-11.8	26.7	-35.0	22.4	23.4	5.4
11.3	21.3	-56.5	-25.2	-11.8	26.3	-34.3	22.9	23.7	5.3
11.4	21.2	-56.1	-26.1	-11.7	26.5	-34.3	22.7	23.6	5.2
11.5	21.1	-55.7	-27.1	-11.6	26.2	-33.9	22.7	23.6	5.2
11.6	21.0	-55.2	-28.0	-11.6	26.0	-33.2	23.1	23.9	5.2
11.7	20.8	-55.3	-28.9	-11.7	25.7	-32.7	23.1	23.7	5.2
11.8	20.7	-55.3	-29.6	-11.8	25.6	-32.5	23.0	23.7	5.2
11.9	20.6	-55.6	-30.1	-11.8	25.5	-32.0	23.3	23.9	5.2
12.0	20.5	-55.7	-30.3	-11.8	25.3	-32.0	23.1	23.8	5.1

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} = +5 V, I_{DD} = 140 mA @ Temperature = -40°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	IP-3 Output	IM3 Output	1dB Comp. Output	Psat Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBc)	(dBm)	(dBm)	(dB)
5.0	25.3	-62.9	-17.7	-9.3	28.3	-38.2	19.8	23.0	5.9
5.1	25.5	-63.1	-17.7	-9.6	28.3	-38.2	19.9	23.0	5.8
5.2	25.6	-63.2	-17.7	-9.8	28.4	-38.4	19.9	23.0	5.8
5.3	25.8	-63.2	-17.8	-10.1	28.5	-38.5	20.0	23.1	5.7
5.4	25.9	-63.4	-17.9	-10.3	28.5	-38.6	20.0	23.2	5.6
5.5	26.0	-62.4	-18.1	-10.6	28.5	-38.6	20.1	23.2	5.5
5.6	26.1	-62.4	-18.2	-10.8	28.6	-38.7	20.1	23.3	5.5
5.7	26.2	-61.8	-18.3	-11.0	28.6	-38.8	20.2	23.3	5.4
5.8	26.3	-62.2	-18.4	-11.2	28.7	-38.9	20.2	23.3	5.4
5.9	26.4	-62.1	-18.4	-11.4	28.7	-39.0	20.3	23.3	5.4
6.0	26.5	-62.6	-18.5	-11.7	28.8	-39.1	20.3	23.3	5.3
6.1	26.5	-63.3	-18.6	-12.0	28.8	-39.2	20.4	23.3	5.2
6.2	26.6	-63.8	-18.7	-12.3	28.9	-39.3	20.4	23.2	5.3
6.3	26.7	-63.1	-18.8	-12.7	28.9	-39.3	20.4	23.2	5.1
6.4	26.8	-64.5	-18.8	-13.0	29.0	-39.6	20.4	23.1	5.1
6.5	26.9	-66.0	-18.7	-13.4	29.1	-39.9	20.4	23.1	5.2
6.6	26.9	-65.2	-18.7	-13.7	29.3	-40.1	20.5	23.0	5.0
6.7	27.0	-64.5	-18.6	-14.2	29.4	-40.4	20.5	23.0	5.0
6.8	27.0	-64.8	-18.5	-14.5	29.7	-40.9	20.5	23.1	5.0
6.9	26.9	-63.1	-18.4	-15.0	30.0	-41.5	20.5	23.1	5.0
7.0	26.9	-62.9	-18.2	-15.4	30.2	-41.9	20.5	23.2	4.9
7.1	26.9	-62.3	-18.1	-15.9	30.3	-42.3	20.5	23.2	4.9
7.2	26.9	-61.5	-18.0	-16.5	30.6	-42.7	20.6	23.3	4.9
7.3	26.8	-61.2	-17.9	-17.2	30.7	-43.0	20.6	23.5	4.9
7.4	26.7	-63.1	-17.6	-18.1	30.8	-43.2	20.6	23.5	4.8
7.5	26.7	-63.2	-17.3	-18.8	30.9	-43.4	20.6	23.6	4.8
7.6	26.6	-64.3	-17.2	-19.5	31.1	-43.7	20.6	23.6	4.8
7.7	26.6	-66.5	-17.1	-19.9	31.3	-44.1	20.7	23.6	4.8
7.8	26.6	-64.8	-16.9	-20.1	31.4	-44.3	20.7	23.6	4.7
7.9	26.6	-64.4	-16.7	-20.3	31.4	-44.4	20.7	23.6	4.8
8.0	26.6	-62.4	-16.4	-20.5	31.5	-44.6	20.7	23.5	4.7
8.1	26.5	-61.9	-16.1	-20.7	31.7	-44.9	20.7	23.4	4.7
8.2	26.5	-61.8	-16.0	-20.9	31.7	-45.1	20.7	23.4	4.7
8.3	26.6	-62.8	-16.1	-20.6	31.8	-45.1	20.7	23.4	4.7
8.4	26.6	-64.9	-16.3	-20.0	31.8	-45.1	20.7	23.4	4.7
8.5	26.6	-65.5	-16.5	-19.6	31.7	-45.1	20.7	23.4	4.7
8.6	26.7	-64.8	-16.5	-19.2	31.7	-45.0	20.7	23.5	4.7
8.7	26.7	-65.4	-16.6	-18.9	31.7	-44.9	20.7	23.6	4.7
8.8	26.8	-66.5	-16.5	-18.3	31.5	-44.6	20.7	23.6	4.7
8.9	26.8	-67.3	-16.6	-17.7	31.4	-44.3	20.7	23.6	4.6
9.0	26.8	-65.9	-16.7	-17.4	31.3	-44.0	20.7	23.7	4.6
9.1	26.8	-65.9	-16.9	-17.1	31.1	-43.7	20.7	23.8	4.7
9.2	26.8	-68.7	-17.3	-16.6	31.0	-43.5	20.7	23.8	4.6
9.3	26.8	-71.6	-17.6	-16.2	30.9	-43.4	20.7	23.8	4.7
9.4	26.8	-70.4	-18.0	-16.0	30.8	-43.2	20.7	23.7	4.6
9.5	26.8	-68.7	-18.3	-15.8	30.8	-43.0	20.7	23.8	4.6
9.6	26.8	-66.9	-18.7	-15.6	30.7	-42.9	20.8	23.9	4.6
9.7	26.9	-64.7	-19.0	-15.3	30.7	-42.8	20.8	23.9	4.6
9.8	26.9	-63.9	-19.5	-15.1	30.6	-42.7	20.8	23.8	4.5
9.9	27.0	-63.8	-19.8	-14.7	30.6	-42.6	20.8	23.9	4.6
10.0	27.0	-62.7	-19.9	-14.4	30.5	-42.6	20.8	24.0	4.6
10.1	27.1	-61.5	-19.9	-14.0	30.5	-42.5	20.9	24.0	4.5
10.2	27.2	-60.5	-20.0	-13.6	30.5	-42.5	20.9	23.9	4.5
10.3	27.2	-60.0	-20.3	-13.2	30.5	-42.5	20.8	23.9	4.5
10.4	27.3	-59.1	-20.6	-12.8	30.5	-42.5	20.8	23.9	4.4
10.5	27.3	-59.3	-20.6	-12.4	30.5	-42.4	20.9	23.9	4.4
10.6	27.3	-59.3	-20.5	-11.9	30.4	-42.4	20.9	23.9	4.4
10.7	27.3	-58.9	-20.3	-11.4	30.4	-42.3	20.8	23.8	4.3
10.8	27.3	-58.5	-20.4	-10.9	30.4	-42.3	20.8	23.8	4.3
10.9	27.3	-58.0	-20.7	-10.4	30.4	-42.2	20.9	23.9	4.2
11.0	27.2	-57.4	-21.1	-10.1	30.4	-42.2	21.0	23.9	4.2
11.1	27.2	-56.7	-21.5	-9.8	30.4	-42.2	21.0	23.8	4.2
11.2	27.1	-56.0	-22.0	-9.6	30.4	-42.2	21.0	23.7	4.2
11.3	27.0	-55.3	-22.4	-9.5	30.4	-42.2	21.1	23.7	4.1
11.4	26.9	-55.0	-22.8	-9.4	30.4	-42.2	21.2	23.7	4.1
11.5	26.8	-54.8	-23.2	-9.5	30.4	-42.3	21.2	23.7	4.0
11.6	26.7	-54.7	-23.8	-9.6	30.5	-42.4	21.2	23.6	4.1
11.7	26.6	-54.7	-24.3	-9.7	30.4	-42.3	21.2	23.6	4.0
11.8	26.5	-54.4	-24.8	-9.9	30.4	-42.3	21.3	23.7	4.0
11.9	26.4	-54.2	-25.0	-10.1	30.4	-42.3	21.3	23.6	4.0
12.0	26.4	-54.3	-25.1	-10.3	30.4	-42.2	21.3	23.6	4.0

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} = +5 V, I_{DD} = 140 mA @ Temperature = +95°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	IP-3 Output	IM3 Output	1dB Comp. Output	Psat Output	Noise Figure
(GHz)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBc)	(dBm)	(dBm)	(dB)
5.0	20.0	-62.9	-19.4	-10.4	27.9	-37.4	19.3	21.3	8.3
5.1	20.1	-62.6	-19.3	-10.6	28.0	-37.6	19.3	21.4	8.1
5.2	20.1	-62.9	-19.2	-10.8	28.1	-37.8	19.4	21.5	8.1
5.3	20.2	-62.7	-19.2	-11.0	28.2	-38.1	19.4	21.5	8.0
5.4	20.3	-62.3	-19.1	-11.2	28.3	-38.3	19.5	21.6	7.9
5.5	20.3	-62.5	-19.1	-11.4	28.3	-38.4	19.6	21.7	7.9
5.6	20.4	-62.9	-19.1	-11.5	28.5	-38.6	19.7	21.8	7.8
5.7	20.5	-63.1	-19.0	-11.7	28.6	-38.9	19.9	21.8	7.8
5.8	20.5	-62.8	-19.0	-11.9	28.7	-39.1	20.0	21.9	7.7
5.9	20.6	-62.8	-18.9	-12.0	28.8	-39.2	20.1	22.0	7.7
6.0	20.6	-62.6	-18.8	-12.2	28.9	-39.5	20.2	22.0	7.6
6.1	20.7	-63.6	-18.7	-12.5	29.0	-39.7	20.4	22.1	7.6
6.2	20.7	-63.4	-18.6	-12.8	29.1	-39.9	20.5	22.2	7.5
6.3	20.8	-63.7	-18.5	-13.1	29.2	-40.0	20.6	22.2	7.4
6.4	20.9	-65.5	-18.3	-13.3	29.3	-40.2	20.7	22.3	7.4
6.5	20.9	-67.0	-18.1	-13.6	29.4	-40.4	20.9	22.4	7.4
6.6	20.9	-66.1	-17.9	-13.8	29.4	-40.5	21.0	22.5	7.4
6.7	20.9	-66.6	-17.7	-14.2	29.5	-40.7	21.0	22.5	7.3
6.8	21.0	-65.6	-17.5	-14.6	29.7	-40.9	21.1	22.6	7.3
6.9	20.9	-65.0	-17.4	-15.1	29.8	-41.2	21.1	22.6	7.2
7.0	20.9	-65.3	-17.2	-15.5	29.9	-41.4	21.2	22.6	7.2
7.1	20.9	-64.1	-17.0	-16.0	30.0	-41.5	21.2	22.6	7.1
7.2	20.8	-63.3	-16.8	-16.6	30.0	-41.7	21.3	22.6	7.1
7.3	20.8	-63.6	-16.6	-17.3	30.1	-41.9	21.3	22.7	7.1
7.4	20.7	-65.5	-16.4	-17.9	30.2	-41.9	21.4	22.7	7.0
7.5	20.7	-66.0	-16.2	-18.6	30.1	-41.9	21.4	22.7	7.0
7.6	20.7	-66.7	-16.1	-19.1	30.2	-42.0	21.4	22.7	7.0
7.7	20.7	-69.4	-16.0	-19.4	30.3	-42.2	21.4	22.7	7.0
7.8	20.7	-68.3	-15.8	-19.6	30.3	-42.1	21.4	22.7	6.9
7.9	20.7	-67.5	-15.6	-19.7	30.3	-42.2	21.4	22.6	6.9
8.0	20.7	-65.9	-15.5	-19.7	30.3	-42.2	21.4	22.6	6.9
8.1	20.7	-65.0	-15.4	-19.6	30.3	-42.2	21.3	22.6	6.9
8.2	20.7	-65.0	-15.4	-19.4	30.3	-42.2	21.3	22.6	6.9
8.3	20.7	-66.0	-15.5	-19.1	30.3	-42.2	21.3	22.6	6.9
8.4	20.7	-66.9	-15.7	-18.7	30.2	-42.1	21.3	22.6	6.9
8.5	20.7	-67.2	-15.8	-18.3	30.2	-42.0	21.2	22.5	6.8
8.6	20.7	-66.5	-15.9	-18.0	30.1	-41.9	21.2	22.6	6.8
8.7	20.7	-66.6	-16.0	-17.7	30.1	-41.7	21.2	22.6	6.9
8.8	20.7	-67.0	-16.1	-17.2	30.0	-41.5	21.2	22.6	6.8
8.9	20.6	-65.9	-16.3	-16.9	29.9	-41.3	21.1	22.5	6.8
9.0	20.6	-66.4	-16.6	-16.5	29.7	-41.0	21.1	22.5	6.8
9.1	20.6	-67.4	-16.9	-16.3	29.6	-40.8	21.1	22.5	6.8
9.2	20.6	-68.3	-17.3	-16.0	29.5	-40.6	21.1	22.5	6.8
9.3	20.6	-68.3	-17.6	-15.7	29.4	-40.3	21.0	22.5	6.8
9.4	20.6	-67.6	-18.0	-15.5	29.2	-40.0	21.0	22.5	6.8
9.5	20.6	-66.6	-18.4	-15.4	29.1	-39.8	21.0	22.5	6.8
9.6	20.6	-64.2	-18.8	-15.2	29.0	-39.5	20.9	22.5	6.8
9.7	20.6	-63.0	-19.3	-15.0	28.8	-39.2	20.9	22.5	6.8
9.8	20.6	-62.2	-19.7	-14.9	28.7	-39.0	20.9	22.5	6.7
9.9	20.7	-61.3	-20.1	-14.7	28.6	-38.7	20.9	22.5	6.8
10.0	20.7	-61.0	-20.4	-14.4	28.4	-38.4	20.9	22.5	6.8
10.1	20.7	-60.2	-20.7	-14.2	28.3	-38.2	20.9	22.5	6.7
10.2	20.7	-59.8	-21.2	-14.0	28.2	-37.9	20.9	22.5	6.8
10.3	20.7	-59.3	-21.7	-13.8	28.1	-37.6	20.9	22.4	6.7
10.4	20.6	-59.0	-22.1	-13.6	27.9	-37.4	20.9	22.4	6.6
10.5	20.6	-59.4	-22.5	-13.4	27.8	-37.1	20.9	22.4	6.7
10.6	20.5	-58.8	-22.9	-13.0	27.6	-36.8	20.9	22.4	6.6
10.7	20.5	-58.7	-23.3	-12.7	27.5	-36.5	20.8	22.3	6.5
10.8	20.4	-58.5	-24.0	-12.4	27.3	-36.2	20.9	22.3	6.5
10.9	20.3	-57.9	-24.9	-12.2	27.2	-35.8	20.9	22.3	6.5
11.0	20.2	-57.6	-25.8	-12.0	27.0	-35.5	20.9	22.3	6.4
11.1	20.1	-56.9	-26.8	-11.8	26.8	-35.2	20.9	22.2	6.4
11.2	20.0	-56.5	-27.9	-11.7	26.7	-34.8	20.9	22.2	6.4
11.3	19.8	-56.2	-28.9	-11.6	26.4	-34.4	20.9	22.2	6.4
11.4	19.7	-56.1	-29.8	-11.6	26.3	-34.0	20.9	22.2	6.3
11.5	19.6	-56.1	-30.7	-11.6	26.1	-33.7	20.8	22.1	6.2
11.6	19.5	-55.6	-31.5	-11.6	25.9	-33.3	20.8	22.1	6.3
11.7	19.4	-55.5	-32.0	-11.7	25.7	-32.8	20.8	22.1	6.3
11.8	19.3	-55.5	-32.3	-11.7	25.5	-32.4	20.9	22.1	6.3
11.9	19.1	-55.5	-32.3	-11.7	25.2	-31.9	20.9	22.0	6.3
12.0	19.0	-55.7	-32.0	-11.7	25.0	-31.5	20.8	22.0	6.3

Typical Performance Data

TEST CONDITIONS: V_{DD} = +5 V, I_{DD} = 120 mA, 140 mA, 160 mA @ Temperature = +25°C

FREQ	Gain @ 120 mA	Gain @ 140 mA	Gain @ 160 mA	1dB Comp. Output @ 120 mA	1dB Comp. Output @ 140 mA	1dB Comp. Output @ 160 mA	Psat Output @ 120 mA	Psat Output @ 140 mA	Psat Output @ 160 mA
(GHz)	(dB)	(dB)	(dB)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
5.0	20.7	21.4	22.1	19.4	20.3	21.0	22.2	22.6	22.7
5.1	20.8	21.5	22.2	19.3	20.4	21.1	22.4	22.6	22.9
5.2	20.9	21.6	22.3	19.3	20.4	21.1	22.4	22.7	22.9
5.3	21.0	21.6	22.4	19.4	20.5	21.2	22.5	22.7	23.0
5.4	21.1	21.7	22.5	19.4	20.6	21.2	22.6	22.8	23.1
5.5	21.1	21.8	22.5	19.5	20.6	21.3	22.6	22.9	23.2
5.6	21.2	21.9	22.6	19.7	20.7	21.4	22.7	22.9	23.2
5.7	21.3	22.0	22.7	19.7	20.8	21.4	22.8	22.9	23.3
5.8	21.3	22.0	22.7	19.8	20.9	21.6	22.9	22.9	23.5
5.9	21.4	22.1	22.8	20.0	21.0	21.6	22.9	23.0	23.4
6.0	21.4	22.1	22.9	20.0	21.1	21.6	23.0	23.0	23.5
6.1	21.5	22.2	22.9	20.2	21.2	21.6	22.8	23.0	23.2
6.2	21.5	22.2	22.9	20.4	21.3	21.7	22.8	23.0	23.1
6.3	21.6	22.3	23.0	20.4	21.3	21.8	22.9	23.0	23.2
6.4	21.6	22.3	23.0	20.7	21.4	21.9	23.0	23.1	23.3
6.5	21.6	22.3	23.0	20.8	21.4	22.0	23.0	23.1	23.3
6.6	21.7	22.3	23.1	20.8	21.5	21.9	23.1	23.1	23.3
6.7	21.7	22.3	23.1	21.0	21.5	21.9	23.0	23.2	23.3
6.8	21.7	22.3	23.1	20.9	21.5	21.9	23.1	23.2	23.4
6.9	21.7	22.3	23.1	20.9	21.6	22.0	23.3	23.3	23.6
7.0	21.7	22.3	23.1	20.9	21.6	21.9	23.3	23.3	23.6
7.1	21.7	22.4	23.1	21.0	21.6	22.0	23.3	23.3	23.7
7.2	21.7	22.4	23.1	21.1	21.6	22.0	23.4	23.4	23.8
7.3	21.7	22.4	23.1	21.1	21.7	22.0	23.3	23.4	23.6
7.4	21.7	22.3	23.1	21.1	21.7	22.1	23.4	23.4	23.7
7.5	21.7	22.3	23.0	21.2	21.7	22.2	23.4	23.4	23.7
7.6	21.7	22.3	23.0	21.1	21.7	22.0	23.2	23.4	23.5
7.7	21.7	22.3	23.0	21.2	21.7	22.1	23.4	23.4	23.7
7.8	21.7	22.3	23.0	21.1	21.7	21.9	23.2	23.4	23.5
7.9	21.7	22.4	23.1	21.2	21.7	22.1	23.4	23.3	23.6
8.0	21.7	22.4	23.1	21.1	21.7	22.1	23.4	23.2	23.7
8.1	21.7	22.4	23.1	21.1	21.7	22.0	23.2	23.2	23.4
8.2	21.7	22.4	23.1	21.2	21.7	22.1	23.3	23.3	23.5
8.3	21.8	22.4	23.1	21.0	21.7	21.9	23.2	23.3	23.4
8.4	21.8	22.4	23.1	21.0	21.6	21.9	23.2	23.2	23.4
8.5	21.8	22.4	23.2	21.0	21.6	22.1	23.5	23.2	23.7
8.6	21.8	22.5	23.2	21.0	21.7	22.1	23.3	23.3	23.6
8.7	21.8	22.5	23.2	21.0	21.7	22.1	23.4	23.3	23.7
8.8	21.8	22.5	23.2	21.0	21.7	22.1	23.5	23.3	23.8
8.9	21.8	22.5	23.2	21.0	21.6	22.0	23.3	23.3	23.6
9.0	21.8	22.5	23.2	21.0	21.6	22.0	23.3	23.3	23.6
9.1	21.8	22.5	23.2	21.0	21.6	22.1	23.5	23.4	23.8
9.2	21.8	22.5	23.2	20.9	21.6	22.0	23.3	23.4	23.7
9.3	21.8	22.5	23.2	20.9	21.6	22.0	23.4	23.3	23.7
9.4	21.8	22.5	23.2	20.9	21.6	22.1	23.6	23.3	23.9
9.5	21.8	22.5	23.2	20.8	21.6	21.8	23.3	23.4	23.5
9.6	21.8	22.5	23.3	20.9	21.6	22.0	23.5	23.5	23.8
9.7	21.9	22.5	23.3	20.8	21.6	21.9	23.5	23.4	23.8
9.8	21.9	22.6	23.3	20.8	21.6	21.9	23.3	23.4	23.6
9.9	21.9	22.6	23.3	20.9	21.6	22.1	23.5	23.5	23.9
10.0	21.9	22.6	23.4	20.8	21.6	21.9	23.4	23.5	23.7
10.1	22.0	22.7	23.4	20.8	21.6	21.7	23.2	23.5	23.5
10.2	22.0	22.7	23.4	20.9	21.6	21.9	23.3	23.5	23.6
10.3	22.0	22.7	23.5	20.7	21.5	21.6	23.0	23.4	23.2
10.4	22.0	22.7	23.5	20.7	21.5	21.6	23.1	23.5	23.4
10.5	22.0	22.7	23.4	20.9	21.6	21.7	23.1	23.5	23.3
10.6	21.9	22.6	23.4	20.6	21.5	21.4	22.8	23.4	23.0
10.7	21.9	22.6	23.4	20.8	21.5	21.5	22.9	23.3	23.0
10.8	21.8	22.5	23.3	20.9	21.5	21.7	23.0	23.3	23.3
10.9	21.8	22.5	23.2	20.8	21.5	21.5	22.8	23.4	23.0
11.0	21.7	22.4	23.2	20.8	21.5	21.5	22.9	23.3	23.1
11.1	21.6	22.3	23.0	21.0	21.5	21.7	22.9	23.2	23.1
11.2	21.5	22.2	22.9	20.7	21.5	21.3	22.5	23.2	22.7
11.3	21.4	22.0	22.8	21.1	21.5	21.8	22.9	23.2	23.1
11.4	21.2	21.9	22.7	21.0	21.6	21.6	22.8	23.2	22.9
11.5	21.1	21.8	22.6	21.0	21.5	21.6	22.7	23.1	22.9
11.6	21.0	21.7	22.5	21.3	21.5	21.9	23.0	23.1	23.2
11.7	20.9	21.6	22.4	21.3	21.5	21.8	22.9	23.1	23.1
11.8	20.8	21.5	22.2	21.2	21.6	21.7	22.8	23.1	23.0
11.9	20.7	21.4	22.1	21.5	21.6	22.1	23.0	23.1	23.2
12.0	20.6	21.3	22.0	21.4	21.5	21.4	22.8	23.0	23.0

Typical Performance Data

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $I_{DD} = 120\text{ mA}, 140\text{ mA}, 160\text{ mA}$ @ Temperature = $+25^\circ\text{C}$

FREQ	IP-3 @ 120 mA	IP-3 @ 140 mA	IP-3 @ 160 mA	IM3 @ 120 mA	IM3 @ 140 mA	IM3 @ 160 mA	Noise Figure @ 120 mA	Noise Figure @ 140 mA	Noise Figure @ 160 mA
(GHz)	(dBm)	(dBm)	(dBm)	(dBc)	(dBc)	(dBc)	(dB)	(dB)	(dB)
5.0	27.8	27.6	28.1	-37.3	-37.0	-37.4	7.2	7.1	7.1
5.1	27.8	27.5	28.0	-37.2	-36.9	-37.3	7.1	7.0	7.0
5.2	27.7	27.4	27.9	-37.1	-36.8	-37.2	7.0	7.1	7.0
5.3	27.7	27.6	28.2	-36.6	-36.4	-36.8	7.0	6.9	6.9
5.4	27.9	27.2	27.9	-37.1	-36.7	-37.0	6.9	6.8	6.8
5.5	27.9	27.2	27.9	-37.0	-36.6	-37.0	6.8	6.8	6.8
5.6	27.3	27.5	27.6	-36.7	-36.4	-36.8	6.8	6.7	6.7
5.7	27.8	27.3	27.9	-37.1	-36.6	-36.9	6.7	6.7	6.7
5.8	28.0	27.5	27.9	-37.4	-36.8	-37.1	6.6	6.7	6.6
5.9	27.4	27.5	27.6	-36.8	-36.4	-36.8	6.5	6.6	6.6
6.0	27.9	27.2	27.9	-37.0	-36.5	-36.9	6.5	6.5	6.5
6.1	27.7	27.3	28.1	-36.3	-35.9	-36.4	6.5	6.5	6.5
6.2	27.6	27.3	27.9	-36.3	-35.9	-36.3	6.4	6.4	6.5
6.3	27.6	27.1	27.8	-35.8	-35.5	-36.0	6.4	6.4	6.3
6.4	27.7	27.4	27.9	-36.3	-35.7	-36.0	6.3	6.3	6.4
6.5	27.9	27.3	27.8	-36.7	-35.8	-36.0	6.3	6.3	6.3
6.6	27.7	27.2	27.7	-36.4	-35.5	-35.7	6.3	6.3	6.2
6.7	27.6	27.4	27.6	-36.6	-35.7	-35.8	6.2	6.2	6.2
6.8	27.9	27.2	27.7	-36.6	-35.6	-35.6	6.2	6.2	6.2
6.9	28.0	27.3	27.7	-36.8	-35.8	-35.8	6.2	6.2	6.2
7.0	27.9	27.3	27.7	-36.8	-35.8	-35.8	6.1	6.1	6.1
7.1	27.9	27.4	27.7	-36.8	-35.8	-35.8	6.0	6.1	6.1
7.2	28.1	27.4	27.8	-37.1	-35.9	-35.9	6.1	6.1	6.1
7.3	28.5	27.4	28.0	-37.6	-36.3	-36.2	6.0	6.1	6.0
7.4	28.3	27.4	27.9	-37.4	-36.2	-36.2	6.0	6.0	6.0
7.5	28.3	27.4	27.8	-37.3	-36.2	-36.1	5.9	5.9	6.0
7.6	28.2	27.6	27.8	-37.4	-36.2	-36.2	5.9	6.0	6.0
7.7	28.3	27.5	27.9	-37.6	-36.3	-36.2	5.9	5.9	6.0
7.8	28.3	27.5	27.9	-37.5	-36.2	-36.2	5.9	5.9	5.9
7.9	28.5	27.6	28.0	-37.9	-36.5	-36.4	5.9	5.9	5.9
8.0	28.4	27.5	27.6	-38.1	-36.6	-36.5	5.8	5.9	5.9
8.1	28.1	27.5	27.5	-37.9	-36.5	-36.4	5.9	5.9	5.9
8.2	28.4	27.6	27.6	-38.3	-36.7	-36.6	5.9	5.9	5.8
8.3	28.5	27.5	27.6	-38.4	-36.7	-36.6	5.8	5.8	5.8
8.4	28.5	27.6	27.6	-38.4	-36.8	-36.6	5.8	5.8	5.9
8.5	28.4	27.5	27.6	-38.2	-36.7	-36.6	5.8	5.9	5.9
8.6	28.5	27.5	27.9	-37.9	-36.4	-36.3	5.8	5.8	5.8
8.7	28.4	27.5	27.9	-38.0	-36.5	-36.4	5.8	5.8	5.8
8.8	28.4	27.5	27.8	-37.9	-36.4	-36.3	5.8	5.8	5.8
8.9	28.6	27.5	27.9	-38.0	-36.4	-36.3	5.8	5.8	5.8
9.0	28.6	27.6	27.9	-38.1	-36.5	-36.3	5.8	5.8	5.8
9.1	28.5	27.5	27.9	-38.0	-36.4	-36.3	5.8	5.8	5.8
9.2	28.3	27.4	27.8	-37.7	-36.2	-36.2	5.7	5.8	5.8
9.3	28.3	27.4	27.8	-37.6	-36.2	-36.1	5.7	5.7	5.8
9.4	28.2	27.3	27.7	-37.4	-36.1	-36.0	5.7	5.8	5.8
9.5	28.2	27.3	27.5	-37.8	-36.4	-36.2	5.7	5.7	5.8
9.6	28.3	27.2	27.5	-37.8	-36.4	-36.2	5.7	5.8	5.7
9.7	28.0	27.0	27.4	-37.4	-36.0	-35.9	5.7	5.7	5.7
9.8	27.7	27.0	27.2	-37.0	-35.8	-35.8	5.7	5.7	5.7
9.9	27.8	26.8	27.2	-36.9	-35.7	-35.6	5.7	5.7	5.7
10.0	27.7	26.8	27.2	-36.7	-35.6	-35.5	5.7	5.7	5.7
10.1	27.5	26.8	27.0	-36.5	-35.4	-35.4	5.6	5.6	5.7
10.2	27.5	26.6	26.9	-36.2	-35.2	-35.1	5.6	5.6	5.7
10.3	27.3	26.5	26.9	-36.0	-35.0	-34.9	5.6	5.6	5.7
10.4	27.2	26.3	26.8	-35.7	-34.7	-34.8	5.6	5.6	5.6
10.5	27.0	26.3	26.7	-35.4	-34.6	-34.6	5.6	5.6	5.6
10.6	26.8	26.2	26.5	-35.2	-34.5	-34.4	5.5	5.5	5.6
10.7	26.6	26.1	26.4	-34.9	-34.1	-34.2	5.5	5.5	5.5
10.8	26.6	25.8	26.3	-34.6	-33.8	-34.0	5.5	5.5	5.5
10.9	26.4	25.8	26.2	-34.4	-33.7	-33.8	5.4	5.4	5.5
11.0	26.2	25.6	26.1	-33.9	-33.4	-33.6	5.3	5.4	5.4
11.1	26.0	25.4	26.0	-33.4	-33.0	-33.3	5.3	5.4	5.4
11.2	25.9	25.4	25.9	-33.5	-33.0	-33.2	5.3	5.3	5.4
11.3	25.6	25.0	25.8	-32.7	-32.5	-32.8	5.3	5.3	5.3
11.4	25.8	25.0	25.8	-32.9	-32.5	-32.8	5.2	5.3	5.3
11.5	25.5	24.8	25.7	-32.4	-32.1	-32.5	5.2	5.3	5.2
11.6	25.3	24.4	25.5	-31.7	-31.6	-32.1	5.2	5.2	5.3
11.7	24.9	24.4	25.3	-31.3	-31.3	-31.9	5.2	5.2	5.2
11.8	24.9	24.2	25.3	-31.0	-31.1	-31.7	5.1	5.2	5.2
11.9	24.8	23.9	25.2	-30.5	-30.7	-31.4	5.1	5.2	5.2
12.0	24.6	24.0	25.0	-30.5	-30.6	-31.3	5.1	5.2	5.2

Typical Performance Data

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $I_{DD} = 140\text{ mA}$ @ Temperature = $+25^\circ\text{C}$

P_{IN}	P_{OUT} (@5.6 GHz)	P_{OUT} (@7.1 GHz)	P_{OUT} (@8.5 GHz)	P_{OUT} (@10 GHz)	P_{OUT} (@11.7 GHz)	I_{DD} (@5.6 GHz)	I_{DD} (@7.1 GHz)	I_{DD} (@8.5 GHz)	I_{DD} (@10.0 GHz)	I_{DD} (@11.7 GHz)
(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(mA)	(mA)	(mA)	(mA)	(mA)
-15.3	6.1	6.5	6.5	6.5	5.4	138	138	138	138	138
-14.1	7.3	7.7	7.7	7.7	6.6	137	137	137	136	137
-12.9	8.6	9.0	8.9	9.0	7.8	138	136	136	138	137
-11.6	9.8	10.2	10.2	10.2	9.1	136	136	136	137	137
-10.4	11.0	11.5	11.4	11.5	10.3	137	135	137	137	137
-9.2	12.3	12.8	12.7	12.7	11.6	137	136	136	137	135
-8.0	13.6	14.1	14.0	14.0	13.0	137	135	136	136	136
-6.7	14.8	15.4	15.3	15.3	14.3	138	136	136	136	135
-5.5	16.1	16.7	16.6	16.6	15.6	136	136	137	136	135
-4.2	17.3	17.9	17.8	17.8	16.9	138	137	136	137	137
-3.0	18.3	19.0	19.0	18.9	18.1	141	137	138	139	139
-1.8	19.1	19.9	19.9	19.8	19.1	142	140	138	139	140
-0.5	19.9	20.6	20.6	20.4	19.9	147	145	141	141	142
0.7	20.4	21.1	21.1	20.9	20.5	153	149	144	144	148
2.0	20.9	21.5	21.4	21.3	20.9	159	154	147	146	152
3.2	21.2	21.8	21.8	21.6	21.3	165	160	155	152	160
4.5	21.5	22.1	22.0	21.9	21.6	171	165	159	158	169
5.8	21.7	22.3	22.3	22.1	21.8	177	170	166	167	174
7.0	21.9	22.5	22.4	22.4	22.0	182	177	170	173	184
8.3	22.1	22.6	22.6	22.5	22.1	191	183	175	179	189
9.6	22.2	22.8	22.7	22.7	22.2	196	186	182	185	194

Typical Performance Data

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $I_{DD} = 140\text{ mA}$ @ Temperature = $+95^\circ\text{C}$

P_{IN}	P_{OUT} (@5.6 GHz)	P_{OUT} (@7.1 GHz)	P_{OUT} (@8.5 GHz)	P_{OUT} (@10.0 GHz)	P_{OUT} (@11.7 GHz)
(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
-14.7	5.5	5.9	5.7	5.7	4.6
-13.7	6.5	6.8	6.6	6.6	5.5
-12.7	7.5	7.8	7.6	7.6	6.5
-11.7	8.5	8.8	8.6	8.6	7.5
-10.7	9.5	9.8	9.6	9.6	8.5
-9.7	10.4	10.8	10.6	10.5	9.5
-8.7	11.4	11.8	11.6	11.5	10.5
-7.7	12.4	12.8	12.6	12.5	11.5
-6.7	13.4	13.8	13.6	13.5	12.5
-5.7	14.4	14.8	14.6	14.5	13.5
-4.7	15.3	15.8	15.6	15.5	14.5
-3.7	16.3	16.8	16.6	16.5	15.6
-2.7	17.2	17.8	17.6	17.5	16.6
-1.7	18.1	18.8	18.6	18.4	17.5
-0.7	18.8	19.7	19.5	19.3	18.5
0.3	19.5	20.4	20.3	20.0	19.3
1.3	20.0	21.0	20.9	20.6	20.1
2.3	20.5	21.5	21.4	21.1	20.7
3.2	20.9	21.8	21.8	21.5	21.2
4.2	21.2	22.1	22.1	21.8	21.6
5.2	21.4	22.4	22.4	22.1	21.9
6.2	21.6	22.6	22.6	22.3	22.1
7.2	21.8	22.8	22.8	22.5	22.3
8.2	21.9	22.9	23.0	22.7	22.5
9.2	22.1	23.1	23.1	22.9	22.6
10.2	22.2	23.2	23.2	23.0	22.7

Typical Performance Data

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $I_{DD} = 140\text{ mA}$ @ Temperature = -40°C

P_{IN}	P_{OUT} (@5.6 GHz)	P_{OUT} (@7.1 GHz)	P_{OUT} (@8.5 GHz)	P_{OUT} (@10.0 GHz)	P_{OUT} (@11.7 GHz)
(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
-14.8	10.6	11.3	11.0	11.3	11.0
-13.8	11.9	12.6	12.2	12.5	12.1
-12.8	12.9	13.7	13.2	13.6	13.2
-11.8	14.0	14.7	14.3	14.7	14.3
-10.8	15.0	15.8	15.4	15.7	15.4
-9.8	16.0	16.8	16.4	16.7	16.5
-8.8	17.0	17.8	17.4	17.7	17.5
-7.8	17.9	18.7	18.4	18.7	18.5
-6.8	18.8	19.6	19.3	19.6	19.4
-5.8	19.6	20.4	20.1	20.3	20.3
-4.9	20.3	21.0	20.8	21.0	21.0
-3.9	20.9	21.5	21.4	21.4	21.6
-2.9	21.4	21.9	21.8	21.8	22.1
-1.9	21.9	22.2	22.2	22.1	22.4
-0.9	22.3	22.5	22.5	22.4	22.8
0.1	22.5	22.7	22.8	22.7	23.0
1.1	22.8	22.9	23.0	22.9	23.3
2.1	22.9	23.1	23.2	23.2	23.5
3.1	23.1	23.2	23.4	23.4	23.6
4.1	23.2	23.3	23.5	23.6	23.7
5.1	23.3	23.4	23.6	23.7	23.8
6.1	23.4	23.4	23.7	23.9	23.9
7.1	23.5	23.5	23.8	23.9	23.9
8.1	23.5	23.6	23.9	24.0	24.0
9.1	23.6	23.6	23.9	24.1	24.0
10.1	23.6	23.7	24.0	24.1	24.0

Typical Performance Data

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $I_{DD} = 140\text{ mA}$ @ Temperature = $+25^\circ\text{C}$

FREQ	P _{IN}	Gain	FREQ	P _{IN}	Gain	FREQ	P _{IN}	Gain
(GHz)	(dBm)	(dB)	(GHz)	(dBm)	(dB)	(GHz)	(dBm)	(dB)
5.6	-15.3	21.3	8.5	-15.4	21.8	11.7	-15.4	20.7
5.6	-14.1	21.3	8.5	-14.2	21.7	11.7	-14.2	20.7
5.6	-12.9	21.3	8.5	-12.9	21.8	11.7	-13.0	20.7
5.6	-11.6	21.3	8.5	-11.7	21.8	11.7	-11.8	20.7
5.6	-10.4	21.4	8.5	-10.5	21.8	11.7	-10.5	20.8
5.6	-9.2	21.4	8.5	-9.2	21.9	11.7	-9.3	20.9
5.6	-8.0	21.4	8.5	-8.0	21.9	11.7	-8.1	20.9
5.6	-6.7	21.5	8.5	-6.8	22.0	11.7	-6.8	21.0
5.6	-5.5	21.5	8.5	-5.5	22.0	11.7	-5.6	21.1
5.6	-4.2	21.4	8.5	-4.3	22.0	11.7	-4.3	21.1
5.6	-3.0	21.2	8.5	-3.0	21.9	11.7	-3.0	21.1
5.6	-1.7	20.8	8.5	-1.8	21.6	11.7	-1.8	20.8
5.6	-0.5	20.3	8.5	-0.5	21.0	11.7	-0.5	20.4
5.6	0.7	19.6	8.5	0.7	20.3	11.7	0.7	19.7
5.6	2.0	18.8	8.5	2.0	19.4	11.7	1.9	18.9
5.6	3.2	17.9	8.5	3.3	18.4	11.7	3.2	18.0
5.6	4.5	16.9	8.5	4.5	17.4	11.7	4.5	17.0
5.6	5.8	15.9	8.5	5.8	16.4	11.7	5.8	15.9
5.6	7.0	14.8	8.5	7.1	15.3	11.7	7.0	14.8
5.6	8.3	13.7	8.5	8.3	14.2	11.7	8.3	13.7
5.6	9.6	12.6	8.5	9.6	13.0	11.7	9.6	12.5
7.1	-15.4	21.8	10.0	-15.4	21.8			
7.1	-14.1	21.8	10.0	-14.2	21.8			
7.1	-12.9	21.8	10.0	-12.9	21.8			
7.1	-11.7	21.8	10.0	-11.7	21.8			
7.1	-10.5	21.9	10.0	-10.5	21.9			
7.1	-9.2	21.9	10.0	-9.3	21.9			
7.1	-8.0	22.0	10.0	-8.0	22.0			
7.1	-6.7	22.1	10.0	-6.8	22.0			
7.1	-5.5	22.1	10.0	-5.6	22.1			
7.1	-4.2	22.1	10.0	-4.3	22.0			
7.1	-3.0	22.0	10.0	-3.0	21.9			
7.1	-1.7	21.6	10.0	-1.8	21.5			
7.1	-0.5	21.0	10.0	-0.5	20.9			
7.1	0.7	20.3	10.0	0.7	20.1			
7.1	2.0	19.4	10.0	1.9	19.2			
7.1	3.2	18.5	10.0	3.2	18.3			
7.1	4.5	17.5	10.0	4.5	17.3			
7.1	5.8	16.4	10.0	5.7	16.3			
7.1	7.1	15.3	10.0	7.0	15.2			
7.1	8.3	14.2	10.0	8.3	14.1			
7.1	9.6	13.0	10.0	9.6	13.0			

Typical Performance Data

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $I_{DD} = 140\text{ mA}$ @ Temperature = $+95^\circ\text{C}$

FREQ	P _{IN}	Gain	FREQ	P _{IN}	Gain	FREQ	P _{IN}	Gain
(GHz)	(dBm)	(dB)	(GHz)	(dBm)	(dB)	(GHz)	(dBm)	(dB)
5.6	-14.7	20.4	8.5	-14.7	20.7	11.7	-14.7	19.6
5.6	-13.7	20.3	8.5	-13.7	20.7	11.7	-13.7	19.6
5.6	-12.7	20.3	8.5	-12.7	20.7	11.7	-12.7	19.5
5.6	-11.7	20.3	8.5	-11.7	20.7	11.7	-11.7	19.5
5.6	-10.7	20.3	8.5	-10.7	20.6	11.7	-10.7	19.5
5.6	-9.7	20.3	8.5	-9.7	20.6	11.7	-9.7	19.5
5.6	-8.7	20.3	8.5	-8.7	20.6	11.7	-8.7	19.5
5.6	-7.7	20.3	8.5	-7.7	20.6	11.7	-7.7	19.6
5.6	-6.7	20.2	8.5	-6.7	20.7	11.7	-6.7	19.6
5.6	-5.7	20.2	8.5	-5.7	20.7	11.7	-5.7	19.6
5.6	-4.7	20.2	8.5	-4.7	20.7	11.7	-4.7	19.6
5.6	-3.7	20.2	8.5	-3.7	20.7	11.7	-3.7	19.6
5.6	-2.7	20.1	8.5	-2.7	20.7	11.7	-2.7	19.6
5.6	-1.7	20.0	8.5	-1.7	20.7	11.7	-1.7	19.6
5.6	-0.7	19.7	8.5	-0.7	20.6	11.7	-0.7	19.5
5.6	0.3	19.4	8.5	0.3	20.4	11.7	0.3	19.4
5.6	1.3	18.9	8.5	1.3	20.0	11.7	1.3	19.1
5.6	2.3	18.4	8.5	2.3	19.5	11.7	2.3	18.8
5.6	3.2	17.8	8.5	3.2	18.9	11.7	3.2	18.3
5.6	4.2	17.1	8.5	4.2	18.3	11.7	4.2	17.7
5.6	5.2	16.3	8.5	5.2	17.5	11.7	5.2	17.0
5.6	6.2	15.6	8.5	6.2	16.8	11.7	6.2	16.2
5.6	7.2	14.7	8.5	7.2	16.0	11.7	7.2	15.4
5.6	8.2	13.9	8.5	8.2	15.1	11.7	8.2	14.6
5.6	9.2	13.0	8.5	9.2	14.2	11.7	9.2	13.7
5.6	10.2	12.1	8.5	10.2	13.3	11.7	10.2	12.8
7.1	-14.7	20.9	10.0	-14.7	20.7			
7.1	-13.7	20.8	10.0	-13.7	20.6			
7.1	-12.7	20.8	10.0	-12.7	20.6			
7.1	-11.7	20.8	10.0	-11.7	20.6			
7.1	-10.7	20.8	10.0	-10.7	20.6			
7.1	-9.7	20.8	10.0	-9.7	20.6			
7.1	-8.7	20.8	10.0	-8.7	20.6			
7.1	-7.7	20.8	10.0	-7.7	20.6			
7.1	-6.7	20.8	10.0	-6.7	20.6			
7.1	-5.7	20.8	10.0	-5.7	20.6			
7.1	-4.7	20.8	10.0	-4.7	20.6			
7.1	-3.7	20.8	10.0	-3.7	20.6			
7.1	-2.7	20.8	10.0	-2.7	20.5			
7.1	-1.7	20.8	10.0	-1.7	20.5			
7.1	-0.7	20.7	10.0	-0.7	20.3			
7.1	0.3	20.5	10.0	0.3	20.1			
7.1	1.3	20.1	10.0	1.3	19.7			
7.1	2.3	19.5	10.0	2.3	19.2			
7.1	3.2	18.9	10.0	3.2	18.6			
7.1	4.2	18.2	10.0	4.2	17.9			
7.1	5.2	17.5	10.0	5.2	17.2			
7.1	6.2	16.7	10.0	6.2	16.4			
7.1	7.2	15.9	10.0	7.2	15.6			
7.1	8.2	15.0	10.0	8.2	14.9			
7.1	9.2	14.1	10.0	9.2	14.0			
7.1	10.2	13.3	10.0	10.2	13.2			

Typical Performance Data

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $I_{DD} = 140\text{ mA}$ @ Temperature = -40°C

FREQ	P _{IN}	Gain	FREQ	P _{IN}	Gain	FREQ	P _{IN}	Gain
(GHz)	(dBm)	(dB)	(GHz)	(dBm)	(dB)	(GHz)	(dBm)	(dB)
5.6	-14.8	25.5	8.5	-14.8	26.0	11.7	-14.8	26.0
5.6	-13.8	25.8	8.5	-13.8	26.2	11.7	-13.8	26.2
5.6	-12.8	25.9	8.5	-12.8	26.3	11.7	-12.8	26.3
5.6	-11.8	25.9	8.5	-11.8	26.3	11.7	-11.8	26.4
5.6	-10.8	25.9	8.5	-10.8	26.4	11.7	-10.8	26.5
5.6	-9.8	26.0	8.5	-9.8	26.4	11.7	-9.8	26.5
5.6	-8.8	25.9	8.5	-8.8	26.5	11.7	-8.8	26.6
5.6	-7.8	25.9	8.5	-7.8	26.4	11.7	-7.8	26.6
5.6	-6.8	25.8	8.5	-6.8	26.4	11.7	-6.8	26.5
5.6	-5.8	25.6	8.5	-5.8	26.2	11.7	-5.8	26.4
5.6	-4.8	25.3	8.5	-4.8	25.9	11.7	-4.8	26.1
5.6	-3.8	24.9	8.5	-3.8	25.5	11.7	-3.8	25.7
5.6	-2.8	24.4	8.5	-2.8	24.9	11.7	-2.8	25.2
5.6	-1.8	23.9	8.5	-1.8	24.3	11.7	-1.8	24.5
5.6	-0.8	23.2	8.5	-0.8	23.6	11.7	-0.8	23.9
5.6	0.2	22.5	8.5	0.2	22.9	11.7	0.2	23.1
5.6	1.2	21.7	8.5	1.2	22.1	11.7	1.2	22.4
5.6	2.2	20.9	8.5	2.2	21.3	11.7	2.2	21.6
5.6	3.2	20.1	8.5	3.2	20.5	11.7	3.2	20.7
5.6	4.2	19.2	8.5	4.2	19.6	11.7	4.2	19.9
5.6	5.2	18.3	8.5	5.2	18.7	11.7	5.2	19.0
5.6	6.2	17.4	8.5	6.2	17.8	11.7	6.2	18.0
5.6	7.2	16.5	8.5	7.2	16.9	11.7	7.2	17.1
5.6	8.1	15.5	8.5	8.1	16.0	11.7	8.1	16.1
5.6	9.1	14.6	8.5	9.1	15.0	11.7	9.1	15.1
5.6	10.2	13.6	8.5	10.2	14.0	11.7	10.2	14.2
7.1	-14.8	26.3	10.0	-14.8	26.3			
7.1	-13.8	26.6	10.0	-13.8	26.5			
7.1	-12.8	26.7	10.0	-12.8	26.6			
7.1	-11.8	26.7	10.0	-11.8	26.7			
7.1	-10.8	26.8	10.0	-10.8	26.7			
7.1	-9.8	26.8	10.0	-9.8	26.8			
7.1	-8.8	26.8	10.0	-8.8	26.8			
7.1	-7.8	26.8	10.0	-7.8	26.7			
7.1	-6.8	26.6	10.0	-6.8	26.6			
7.1	-5.8	26.4	10.0	-5.8	26.4			
7.1	-4.8	26.0	10.0	-4.8	26.0			
7.1	-3.8	25.5	10.0	-3.8	25.5			
7.1	-2.8	24.9	10.0	-2.8	24.9			
7.1	-1.8	24.3	10.0	-1.8	24.2			
7.1	-0.8	23.6	10.0	-0.8	23.5			
7.1	0.2	22.8	10.0	0.2	22.8			
7.1	1.2	22.0	10.0	1.2	22.0			
7.1	2.2	21.2	10.0	2.2	21.3			
7.1	3.2	20.3	10.0	3.2	20.5			
7.1	4.2	19.4	10.0	4.2	19.7			
7.1	5.2	18.5	10.0	5.2	18.9			
7.1	6.2	17.6	10.0	6.2	18.0			
7.1	7.2	16.6	10.0	7.2	17.1			
7.1	8.1	15.7	10.0	8.1	16.2			
7.1	9.1	14.8	10.0	9.1	15.2			
7.1	10.2	13.8	10.0	10.2	14.2			

Typical Performance Data

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $I_{DD} = 140\text{ mA}$ @ Temperature = $+25^\circ\text{C}$

Power	P_{DISS} (@5.6 GHz)	P_{DISS} (@7.1 GHz)	P_{DISS} (@8.5 GHz)	P_{DISS} (@10 GHz)	P_{DISS} (@11.7 GHz)	PAE (@5.6 GHz)	PAE (@7.1 GHz)	PAE (@8.5 GHz)	PAE (@10.0 GHz)	PAE (@11.7 GHz)
(dBm)	(W)	(W)	(W)	(W)	(W)	(%)	(%)	(%)	(%)	(%)
-15.3	0.69	0.69	0.69	0.69	0.69	0.6	0.6	0.6	0.6	0.0
-14.1	0.68	0.68	0.68	0.67	0.68	0.8	0.9	0.8	0.9	0.7
-12.9	0.68	0.67	0.67	0.68	0.68	1.0	1.2	1.1	1.1	0.9
-11.6	0.67	0.67	0.67	0.68	0.68	1.4	1.5	1.5	1.5	1.2
-10.4	0.67	0.66	0.67	0.67	0.67	1.8	2.1	2.0	2.1	1.6
-9.2	0.67	0.66	0.66	0.67	0.66	2.5	2.8	2.7	2.7	2.1
-8.0	0.66	0.65	0.66	0.66	0.66	3.3	3.8	3.7	3.7	2.9
-6.7	0.66	0.65	0.65	0.65	0.65	4.4	5.1	5.0	5.0	4.0
-5.5	0.64	0.63	0.64	0.64	0.64	6.0	6.8	6.6	6.7	5.3
-4.2	0.64	0.62	0.62	0.63	0.64	7.7	9.0	8.8	8.7	7.1
-3.0	0.64	0.61	0.61	0.62	0.63	9.5	11.5	11.4	11.1	9.2
-1.8	0.63	0.60	0.59	0.60	0.62	11.4	13.9	14.1	13.6	11.5
-0.5	0.64	0.61	0.59	0.60	0.61	13.2	15.7	16.2	15.4	13.6
0.7	0.66	0.62	0.59	0.60	0.63	14.2	17.1	17.7	16.9	15.0
2.0	0.67	0.63	0.60	0.60	0.64	15.3	18.1	18.6	18.3	16.0
3.2	0.70	0.65	0.63	0.62	0.67	15.7	18.7	19.3	18.7	16.6
4.5	0.72	0.67	0.64	0.64	0.70	16.2	19.3	19.6	19.3	16.8
5.8	0.74	0.68	0.66	0.68	0.72	16.3	19.5	20.0	19.0	17.0
7.0	0.76	0.71	0.68	0.70	0.77	16.5	19.5	19.8	19.5	16.7
8.3	0.80	0.74	0.70	0.72	0.79	16.3	19.1	20.0	19.1	16.4
9.6	0.82	0.75	0.73	0.75	0.81	16.0	19.5	19.5	19.2	16.2

Typical Performance Data

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $I_{DD} = 140\text{ mA}$ @ Temperature = $+25^{\circ}\text{C}$

Power	OIP3 (@5.6 GHz)	OIP3 (@7.1 GHz)	OIP3 (@8.5 GHz)	OIP3 (@10 GHz)	OIP3 (@11.7 GHz)
(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
0.0	27.2	27.5	27.4	26.6	23.9
3.0	27.1	27.2	27.4	26.6	23.8
6.0	27.1	27.1	27.2	26.5	23.8
9.0	27.5	27.4	27.5	26.8	24.4
12.0	28.1	28.9	29.2	28.1	25.6
15.0	25.7	27.0	28.1	26.3	23.5

Typical Performance Data

TEST CONDITIONS: $V_{DD} = +5\text{ V}$, $I_{DD} = 140\text{ mA}$ @ Temperature = $+25^\circ\text{C}$

FREQ	P _{OUT}	Phase	FREQ	P _{OUT}	Phase	FREQ	P _{OUT}	Phase
(GHz)	(dBm)	(°)	(GHz)	(dBm)	(°)	(GHz)	(dBm)	(°)
5.6	6.1	0.0	8.5	6.5	0.0	11.7	5.4	0.0
5.6	7.3	0.5	8.5	7.7	0.0	11.7	6.6	0.2
5.6	8.6	0.5	8.5	8.9	0.5	11.7	7.8	0.6
5.6	9.8	1.0	8.5	10.2	1.0	11.7	9.1	1.0
5.6	11.0	1.5	8.5	11.4	1.0	11.7	10.3	1.6
5.6	12.3	1.5	8.5	12.7	2.0	11.7	11.6	2.4
5.6	13.6	2.5	8.5	14.0	2.5	11.7	13.0	3.5
5.6	14.8	3.5	8.5	15.3	3.0	11.7	14.3	4.7
5.6	16.1	4.5	8.5	16.6	4.0	11.7	15.6	6.1
5.6	17.3	6.0	8.5	17.8	5.5	11.7	16.9	7.6
5.6	18.3	8.0	8.5	19.0	7.0	11.7	18.1	9.2
5.6	19.1	10.5	8.5	19.9	8.0	11.7	19.1	10.9
5.6	19.9	13.0	8.5	20.6	9.5	11.7	19.9	13.2
5.6	20.4	15.5	8.5	21.1	11.0	11.7	20.5	15.7
5.6	20.9	17.5	8.5	21.4	13.0	11.7	20.9	18.1
5.6	21.2	19.5	8.5	21.8	14.5	11.7	21.3	20.3
5.6	21.5	21.5	8.5	22.0	16.0	11.7	21.6	22.0
5.6	21.7	23.0	8.5	22.3	17.5	11.7	21.8	23.4
5.6	21.9	24.5	8.5	22.4	19.0	11.7	22.0	24.6
5.6	22.1	25.5	8.5	22.6	20.5	11.7	22.1	25.3
5.6	22.2	26.5	8.5	22.7	21.5	11.7	22.2	25.9
7.1	6.5	0.0	10.0	6.5	0.0			
7.1	7.7	0.2	10.0	7.7	0.2			
7.1	9.0	0.4	10.0	9.0	0.6			
7.1	10.2	0.7	10.0	10.2	1.0			
7.1	11.5	1.1	10.0	11.5	1.6			
7.1	12.8	1.7	10.0	12.7	2.4			
7.1	14.1	2.4	10.0	14.0	3.5			
7.1	15.4	3.3	10.0	15.3	4.7			
7.1	16.7	4.4	10.0	16.6	6.1			
7.1	17.9	5.7	10.0	17.8	7.6			
7.1	19.0	7.3	10.0	18.9	9.2			
7.1	19.9	9.5	10.0	19.8	10.9			
7.1	20.6	11.9	10.0	20.4	13.2			
7.1	21.1	14.1	10.0	20.9	15.7			
7.1	21.5	16.1	10.0	21.3	18.1			
7.1	21.8	17.9	10.0	21.6	20.3			
7.1	22.1	19.5	10.0	21.9	22.0			
7.1	22.3	20.9	10.0	22.1	23.4			
7.1	22.5	21.9	10.0	22.4	24.6			
7.1	22.6	22.6	10.0	22.5	25.3			
7.1	22.8	23.2	10.0	22.7	25.9			