

Typical Performance Data

RF (IN) FREQUENCY (GHz)	LO FREQUENCY (GHz)	DOWNCONVERTER IMAGE REJECTION @ FIXED IF=200MHz			RF (IN) FREQUENCY (GHz)	LO FREQUENCY (GHz)	DOWNCONVERTER IMAGE REJECTION @ FIXED IF=2000MHz			RF (IN) FREQUENCY (GHz)	LO FREQUENCY (GHz)	DOWNCONVERTER IMAGE REJECTION @ FIXED IF=3000MHz		
		@ LO (dBm)					@ LO (dBm)					@ LO (dBm)		
		+17	+18	+19			+17	+18	+19			+17	+18	+19
6.0	5.8	11.3	12.7	14.6	8.0	6.0	20.2	20.3	20.8	9.0	6.0	27.4	26.3	25.6
6.5	6.3	20.7	23.4	27.8	8.5	6.5	26.2	25.2	24.1	9.5	6.5	30.0	25.8	23.5
7.0	6.8	26.8	31.6	37.4	9.0	7.0	31.2	27.7	25.6	10.0	7.0	26.4	23.9	22.3
7.5	7.3	29.5	31.5	32.2	9.5	7.5	24.1	23.8	23.2	10.5	7.5	27.4	25.1	23.4
8.0	7.8	32.0	33.5	33.7	10.0	8.0	25.0	25.1	24.8	11.0	8.0	24.7	23.7	22.6
8.5	8.3	44.2	39.0	35.3	10.5	8.5	31.3	30.3	29.0	11.5	8.5	23.9	23.3	22.5
9.0	8.8	34.6	39.6	33.6	11.0	9.0	38.5	43.4	36.4	12.0	9.0	27.6	26.6	25.3
9.5	9.3	33.0	34.8	34.6	11.5	9.5	32.7	33.1	31.4	12.5	9.5	32.8	30.9	28.8
10.0	9.8	32.5	35.9	35.5	12.0	10.0	30.5	33.4	33.9	13.0	10.0	36.5	36.6	33.0
10.5	10.3	34.3	37.4	36.3	12.5	10.5	38.7	42.7	36.9	13.5	10.5	33.6	30.6	28.3
11.0	10.8	30.8	36.0	37.6	13.0	11.0	44.3	35.5	30.9	14.0	11.0	28.8	27.9	26.7
11.5	11.3	48.9	43.0	35.1	13.5	11.5	31.8	30.7	29.2	14.5	11.5	27.4	27.1	26.3
12.0	11.8	33.5	30.9	28.9	14.0	12.0	29.1	27.5	26.6	15.0	12.0	23.3	23.0	22.9
12.5	12.3	29.2	27.1	25.9	14.5	12.5	30.0	27.3	25.3	15.5	12.5	25.0	24.3	23.5
13.0	12.8	33.0	30.4	28.4	15.0	13.0	27.0	25.9	25.1	16.0	13.0	25.2	24.9	24.6
13.5	13.3	29.9	28.5	27.5	15.5	13.5	25.7	25.5	25.3	16.5	13.5	24.4	24.6	24.7
14.0	13.8	26.8	26.2	25.6	16.0	14.0	24.2	24.4	24.3	17.0	14.0	23.5	24.0	24.2
14.5	14.3	24.3	24.0	23.7	16.5	14.5	23.0	23.3	23.4	17.5	14.5	22.6	23.1	23.5
15.0	14.8	21.9	22.3	22.4	17.0	15.0	21.3	22.0	22.5	18.0	15.0	20.9	21.8	22.5
15.5	15.3	19.8	20.6	21.3	17.5	15.5	20.2	21.1	21.8	18.5	15.5	20.1	21.1	21.9
16.0	15.8	18.8	19.7	20.5	18.0	16.0	20.6	21.3	22.0	19.0	16.0	19.5	20.5	21.5
16.5	16.3	19.1	19.9	20.7	18.5	16.5	20.4	21.1	21.8	19.5	16.5	19.5	20.2	20.8
17.0	16.8	20.0	20.8	21.6	19.0	17.0	20.3	20.8	21.4	20.0	17.0	20.8	21.5	22.2
17.5	17.3	21.5	22.7	23.9	19.5	17.5	21.1	21.9	22.7	20.5	17.5	20.7	21.6	22.6
18.0	17.8	21.3	22.5	23.7	20.0	18.0	22.3	23.4	24.4	21.0	18.0	21.7	22.5	23.3
18.5	18.3	22.1	23.3	24.6	20.5	18.5	23.8	24.7	25.9	21.5	18.5	23.2	24.1	25.1
19.0	18.8	24.6	25.3	26.2	21.0	19.0	25.9	26.7	27.6	22.0	19.0	23.4	24.3	25.2
19.5	19.3	28.2	28.9	29.5	21.5	19.5	27.2	28.0	28.7	22.5	19.5	24.9	25.8	26.8
20.0	19.8	29.6	31.0	32.6	22.0	20.0	29.3	31.1	32.5	23.0	20.0	26.2	27.3	28.3
20.5	20.3	33.8	37.1	40.1	22.5	20.5	35.2	36.4	36.6	23.5	20.5	32.7	32.4	32.4
21.0	20.8	37.9	41.3	43.4	23.0	21.0	35.2	35.0	35.1	24.0	21.0	34.0	33.9	34.2
21.5	21.3	29.1	30.8	32.1	23.5	21.5	32.2	34.4	36.0					
22.0	21.8	29.5	31.1	33.1	24.0	22.0	28.6	30.3	32.4					
22.5	22.3	26.9	29.0	31.6										
23.0	22.8	29.0	30.9	33.5										
23.5	23.3	28.1	29.0	30.2										
24.0	23.8	28.2	29.0	29.9										

Typical Performance Data

RF (OUT) FREQUENCY (GHz)	LO FREQUENCY (GHz)	UPCONVERTER SSB REJECTION @ FIXED IF=200MHz		
		@ LO (dBm)		
		+17	+18	+19
6.0	5.8	7.3	8.0	8.7
6.5	6.3	14.9	14.7	14.6
7.0	6.8	21.6	21.4	20.8
7.5	7.3	28.2	27.8	27.2
8.0	7.8	27.3	27.1	26.9
8.5	8.3	30.1	30.6	30.6
9.0	8.8	25.4	26.7	28.1
9.5	9.3	28.5	28.2	27.8
10.0	9.8	32.0	35.5	37.9
10.5	10.3	31.2	36.0	40.8
11.0	10.8	30.9	34.2	37.1
11.5	11.3	34.9	39.8	39.5
12.0	11.8	35.6	33.9	32.7
12.5	12.3	33.2	29.7	27.9
13.0	12.8	30.4	29.9	29.5
13.5	13.3	33.2	32.0	31.3
14.0	13.8	33.2	32.0	30.9
14.5	14.3	31.7	31.1	30.5
15.0	14.8	30.7	30.8	30.8
15.5	15.3	28.9	29.2	29.5
16.0	15.8	28.3	28.9	29.5
16.5	16.3	27.9	29.3	30.6
17.0	16.8	26.1	27.5	29.2
17.5	17.3	26.0	27.2	28.6
18.0	17.8	28.0	29.5	31.2
18.5	18.3	30.2	32.1	34.3
19.0	18.8	32.9	35.1	37.7
19.5	19.3	35.4	36.9	38.7
20.0	19.8	40.6	40.2	40.5
20.5	20.3	51.8	45.4	42.8
21.0	20.8	36.6	37.6	38.0
21.5	21.3	30.4	33.1	35.0
22.0	21.8	22.4	24.0	25.4
22.5	22.3	23.2	24.6	26.1
23.0	22.8	24.0	25.2	26.5
23.5	23.3	23.1	24.1	25.2
24.0	23.8	22.5	23.3	24.2

RF (OUT) FREQUENCY (GHz)	LO FREQUENCY (GHz)	UPCONVERTER SSB REJECTION @ FIXED IF=2000MHz		
		@ LO (dBm)		
		+17	+18	+19
9.0	7.0	13.6	12.5	11.4
9.5	7.5	18.7	17.7	16.7
10.0	8.0	25.7	25.4	24.8
10.5	8.5	26.1	26.5	26.6
11.0	9.0	25.0	24.9	24.9
11.5	9.5	28.1	28.4	28.0
12.0	10.0	25.6	26.9	27.7
12.5	10.5	26.4	26.8	26.9
13.0	11.0	29.8	30.3	30.3
13.5	11.5	40.1	38.8	37.7
14.0	12.0	33.8	35.8	35.6
14.5	12.5	31.2	32.1	32.5
15.0	13.0	33.6	35.0	35.8
15.5	13.5	32.0	32.5	32.7
16.0	14.0	33.1	33.3	33.2
16.5	14.5	33.0	33.0	32.8
17.0	15.0	31.1	31.6	31.8
17.5	15.5	29.5	30.6	31.5
18.0	16.0	28.2	29.1	30.1
18.5	16.5	29.1	29.8	30.5
19.0	17.0	31.8	33.2	34.5
19.5	17.5	33.0	35.0	36.8
20.0	18.0	35.5	37.0	36.8
20.5	18.5	35.2	35.4	35.1
21.0	19.0	37.4	35.4	33.7
21.5	19.5	38.3	34.9	32.3
22.0	20.0	36.9	34.0	32.0
22.5	20.5	31.0	30.4	29.8
23.0	21.0	24.1	24.5	24.8
23.5	21.5	23.1	24.1	24.9
24.0	22.0	22.9	24.0	25.1

RF (OUT) FREQUENCY (GHz)	LO FREQUENCY (GHz)	UP CONVERTER SSB REJECTION @ FIXED IF=3000MHz		
		@ LO (dBm)		
		+17	+18	+19
11.0	8.0	10.2	10.1	9.9
11.5	8.5	14.9	15.3	15.6
12.0	9.0	18.9	19.0	19.3
12.5	9.5	23.9	24.4	24.8
13.0	10.0	24.9	25.6	26.3
13.5	10.5	26.9	28.3	29.5
14.0	11.0	25.4	26.4	27.4
14.5	11.5	23.7	24.1	24.6
15.0	12.0	27.5	28.3	28.7
15.5	12.5	28.2	29.0	29.6
16.0	13.0	28.7	29.6	30.3
16.5	13.5	27.4	27.6	27.9
17.0	14.0	29.9	30.0	30.3
17.5	14.5	30.1	30.3	30.6
18.0	15.0	32.4	31.6	31.2
18.5	15.5	41.0	40.2	38.3
19.0	16.0	33.6	34.3	34.7
19.5	16.5	33.3	32.3	31.5
20.0	17.0	33.1	32.0	30.7
20.5	17.5	32.7	31.6	30.0
21.0	18.0	33.2	31.2	29.2
21.5	18.5	32.1	30.7	28.9
22.0	19.0	31.7	30.5	28.8
22.5	19.5	29.7	28.6	27.3
23.0	20.0	25.6	25.0	24.2
23.5	20.5	24.1	23.8	23.5
24.0	21.0	22.7	22.9	23.1

Typical Performance Data

RF FREQUENCY (GHz)	LO FREQUENCY (GHz)	CONVERSION LOSS (dB) @ FIXED IF=200MHz			RF FREQUENCY (GHz)	LO FREQUENCY (GHz)	CONVERSION LOSS (dB) @ FIXED IF=2000MHz			RF FREQUENCY (GHz)	LO FREQUENCY (GHz)	CONVERSION LOSS (dB) @ FIXED IF=3000MHz		
		@ LO (dBm)					@ LO (dBm)					@ LO (dBm)		
		+17	+18	+19			+17	+18	+19			+17	+18	+19
6.0	6.2	9.2	9.0	8.9	6.0	8.0	8.4	8.4	8.5	6.0	9.0	8.7	8.7	8.8
6.5	6.7	7.4	7.4	7.4	6.5	8.5	7.4	7.5	7.5	6.5	9.5	7.7	7.7	7.7
7.0	7.2	8.1	8.1	8.1	7.0	9.0	7.5	7.5	7.6	7.0	10.0	7.8	7.7	7.7
7.5	7.7	8.2	8.1	8.1	7.5	9.5	7.8	7.8	7.8	7.5	10.5	8.1	8.0	7.9
8.0	8.2	8.0	8.0	8.0	8.0	10.0	8.0	7.9	7.9	8.0	11.0	8.6	8.4	8.3
8.5	8.7	8.0	7.9	7.8	8.5	10.5	8.3	8.1	8.1	8.5	11.5	8.7	8.6	8.6
9.0	9.2	8.1	8.0	8.0	9.0	11.0	8.5	8.4	8.4	9.0	12.0	8.3	8.2	8.3
9.5	9.7	8.0	7.9	7.9	9.5	11.5	8.2	8.2	8.2	9.5	12.5	8.5	8.3	8.1
10.0	10.2	8.1	8.1	8.0	10.0	12.0	8.2	8.0	8.0	10.0	13.0	8.9	8.7	8.6
10.5	10.7	8.7	8.6	8.5	10.5	12.5	9.0	8.8	8.6	10.5	13.5	9.3	9.1	9.0
11.0	11.2	8.5	8.4	8.4	11.0	13.0	9.3	9.1	8.9	11.0	14.0	9.5	9.4	9.2
11.5	11.7	8.3	8.2	8.1	11.5	13.5	9.3	9.1	8.9	11.5	14.5	9.4	9.2	9.1
12.0	12.2	8.6	8.5	8.4	12.0	14.0	9.5	9.3	9.1	12.0	15.0	9.2	9.1	8.9
12.5	12.7	8.7	8.6	8.4	12.5	14.5	9.0	8.8	8.7	12.5	15.5	8.9	8.8	8.7
13.0	13.2	8.8	8.6	8.5	13.0	15.0	8.7	8.6	8.5	13.0	16.0	8.7	8.7	8.7
13.5	13.7	8.5	8.3	8.2	13.5	15.5	8.4	8.3	8.3	13.5	16.5	8.3	8.4	8.5
14.0	14.2	8.1	8.0	7.9	14.0	16.0	8.0	8.0	8.1	14.0	17.0	7.9	8.0	8.1
14.5	14.7	8.0	8.0	7.9	14.5	16.5	7.9	8.0	8.2	14.5	17.5	7.9	8.0	8.2
15.0	15.2	8.1	8.1	8.1	15.0	17.0	7.9	8.1	8.3	15.0	18.0	8.2	8.3	8.5
15.5	15.7	8.5	8.4	8.4	15.5	17.5	8.2	8.4	8.5	15.5	18.5	8.6	8.6	8.7
16.0	16.2	8.7	8.7	8.7	16.0	18.0	8.6	8.7	8.8	16.0	19.0	9.4	9.2	9.2
16.5	16.7	8.9	8.9	8.9	16.5	18.5	9.2	9.1	9.2	16.5	19.5	9.8	9.6	9.6
17.0	17.2	9.4	9.4	9.4	17.0	19.0	9.8	9.7	9.8	17.0	20.0	10.0	9.9	9.9
17.5	17.7	9.8	9.7	9.8	17.5	19.5	10.3	10.3	10.3	17.5	20.5	10.2	10.1	10.1
18.0	18.2	10.4	10.2	10.2	18.0	20.0	10.3	10.3	10.3	18.0	21.0	10.9	10.7	10.5
18.5	18.7	10.4	10.3	10.3	18.5	20.5	10.4	10.3	10.3	18.5	21.5	11.1	10.8	10.7
19.0	19.2	10.0	10.0	10.0	19.0	21.0	10.5	10.4	10.3	19.0	22.0	11.1	10.9	10.7
19.5	19.7	10.0	9.9	9.9	19.5	21.5	10.6	10.4	10.3	19.5	22.5	10.9	10.7	10.6
20.0	20.2	10.2	10.1	10.1	20.0	22.0	11.0	10.8	10.6	20.0	23.0	11.2	11.0	10.9
20.5	20.7	10.3	10.3	10.4	20.5	22.5	11.5	11.3	11.1	20.5	23.5	12.2	12.0	11.8
21.0	21.2	10.3	10.3	10.3	21.0	23.0	12.1	11.8	11.6	21.0	24.0	12.1	11.9	11.8
21.5	21.7	10.3	10.2	10.2	21.5	23.5	11.5	11.4	11.2	21.5	24.5	11.3	11.2	11.1
22.0	22.2	10.9	10.7	10.6	22.0	24.0	10.7	10.6	10.5	22.0	25.0	10.8	10.7	10.7
22.5	22.7	10.8	10.6	10.5	22.5	24.5	10.5	10.4	10.3	22.5	25.5	11.5	11.3	11.2
23.0	23.2	10.8	10.6	10.5	23.0	25.0	11.4	11.2	11.1	23.0	26.0	13.3	12.3	11.8
23.5	23.7	11.2	11.1	11.0	23.5	25.5	12.1	11.9	11.7	23.5	26.5	16.4	15.1	13.2
24.0	24.2	12.0	11.8	11.6	24.0	26.0	13.0	12.1	11.7	24.0	27.0	16.5	15.7	14.7

*Typical Performance Data*

RF FREQUENCY (GHz)	IF FREQUENCY (GHz)	CONVERSION LOSS (dB) @ FIXED LO=6.2GHz		
		@ LO (dBm)		
		+17	+18	+19
6.2	0.01	7.4	7.3	7.2
6.5	0.30	7.1	7.0	6.9
6.8	0.55	7.3	7.2	7.1
7.0	0.80	7.5	7.4	7.4
7.3	1.05	7.8	7.7	7.7
7.5	1.30	8.0	7.9	7.8
7.8	1.55	8.4	8.3	8.2
8.0	1.80	8.4	8.3	8.2
8.3	2.05	8.5	8.4	8.4
8.5	2.30	8.4	8.4	8.3
8.8	2.55	8.4	8.3	8.3
9.0	2.80	8.5	8.4	8.4
9.3	3.05	8.5	8.5	8.4
9.5	3.30	8.7	8.6	8.5
9.8	3.55	9.0	9.0	8.9
10.0	3.80	9.3	9.2	9.2
10.3	4.05	9.7	9.6	9.6
10.5	4.30	9.9	9.8	9.8
10.8	4.55	10.0	9.9	9.9
11.0	4.80	9.8	9.8	9.8
11.3	5.05	9.5	9.5	9.5
11.5	5.30	9.3	9.3	9.3
11.8	5.55	9.1	9.1	9.2
12.0	5.80	9.3	9.3	9.4
12.3	6.05	9.2	9.3	9.4
12.5	6.30	9.4	9.5	9.6
12.8	6.55	9.7	9.9	10.1
13.0	6.80	9.9	10.1	10.3
13.3	7.05	10.4	10.5	10.8
13.5	7.30	10.8	11.0	11.3
13.8	7.55	11.3	11.5	11.8
14.0	7.80	12.0	12.3	12.6

RF FREQUENCY (GHz)	IF FREQUENCY (GHz)	CONVERSION LOSS (dB) @ FIXED LO=15GHz		
		@ LO (dBm)		
		+17	+18	+19
8.0	7.00	11.2	11.2	11.2
8.5	6.50	10.4	10.3	10.3
9.0	6.00	9.9	9.8	9.8
9.5	5.50	9.6	9.5	9.4
10.0	5.00	9.7	9.6	9.4
10.5	4.50	10.0	9.8	9.6
11.0	4.00	10.0	9.8	9.6
11.5	3.50	9.4	9.2	9.1
12.0	3.00	9.1	9.0	8.9
12.5	2.50	8.8	8.7	8.6
13.0	2.00	8.7	8.5	8.5
13.5	1.50	8.4	8.3	8.2
14.0	1.00	8.0	7.9	7.9
14.5	0.50	7.9	7.9	7.9
15.0	0.01	8.1	8.1	8.0
15.5	0.50	8.6	8.5	8.5
16.0	1.00	8.9	8.9	8.9
16.5	1.50	9.2	9.1	9.1
17.0	2.00	9.6	9.6	9.6
17.5	2.50	10.2	10.2	10.2
18.0	3.00	10.5	10.4	10.4
18.5	3.50	10.7	10.6	10.6
19.0	4.00	10.9	10.8	10.8
19.5	4.50	11.3	11.2	11.1
20.0	5.00	11.7	11.6	11.5
20.5	5.50	12.1	11.9	11.8
21.0	6.00	12.2	12.0	11.9
21.5	6.50	12.4	12.2	12.0
22.0	7.00	13.1	12.8	12.6

RF FREQUENCY (GHz)	IF FREQUENCY (GHz)	CONVERSION LOSS (dB) @ FIXED LO=24GHz		
		@ LO (dBm)		
		+17	+18	+19
15.0	9.00	16.0	16.0	16.1
15.3	8.75	16.4	16.4	16.4
15.5	8.50	16.5	16.5	16.5
15.8	8.25	16.2	16.2	16.2
16.0	8.00	15.8	15.8	15.8
16.3	7.75	15.3	15.3	15.3
16.5	7.50	14.7	14.6	14.6
16.8	7.25	14.2	14.1	14.0
17.0	7.00	13.8	13.7	13.6
17.3	6.75	13.1	13.0	12.9
17.5	6.50	13.1	12.9	12.8
17.8	6.25	12.7	12.5	12.4
18.0	6.00	12.5	12.3	12.2
18.3	5.75	12.1	11.9	11.8
18.5	5.50	12.0	11.8	11.6
18.8	5.25	11.7	11.5	11.4
19.0	5.00	11.9	11.7	11.5
19.3	4.75	12.0	11.8	11.7
19.5	4.50	12.1	11.9	11.7
19.8	4.25	12.6	12.4	12.2
20.0	4.00	12.7	12.5	12.3
20.3	3.75	12.7	12.5	12.3
20.5	3.50	12.7	12.5	12.4
20.8	3.25	12.4	12.3	12.1
21.0	3.00	12.0	11.9	11.8
21.3	2.75	11.6	11.5	11.4
21.5	2.50	11.3	11.2	11.1
21.8	2.25	10.8	10.7	10.6
22.0	2.00	10.6	10.5	10.4
22.3	1.75	10.4	10.3	10.2
22.5	1.50	10.4	10.2	10.2
22.8	1.25	10.5	10.4	10.3
23.0	1.00	10.6	10.4	10.4
23.3	0.75	11.1	11.0	10.9
23.5	0.50	11.4	11.3	11.2
23.8	0.25	11.8	11.6	11.4
24.0	0.01	12.1	11.9	11.7

Typical Performance Data

LO FREQUENCY (GHz)	LO-RF Isolation (dB)			LO-IF (Q) Isolation (dB)			LO-IF (I) Isolation (dB)			RF FREQUENCY (GHz)	LO FREQUENCY (GHz)	RF-IF (Q) Isolation (dB)			RF-IF (I) Isolation (dB)		
	@LO (dBm)			@LO (dBm)			@LO (dBm)					@LO (dBm)			@LO (dBm)		
	+17	+18	19	+17	+18	19	+17	+18	19			+17	+18	19	+17	+18	19
6.0	49.9	49.7	49.4	38.7	38.8	38.9	36.0	35.9	35.9	6.0	6.2	22.5	22.6	22.7	23.1	23.2	23.3
6.5	47.6	48.0	48.2	41.9	41.7	41.4	37.7	37.3	37.1	6.5	6.7	22.5	22.7	22.8	21.8	21.9	21.9
7.0	45.1	45.8	46.4	46.4	45.4	44.5	41.9	41.1	40.5	7.0	7.2	24.6	24.6	24.6	23.3	23.3	23.2
7.5	44.3	45.1	45.8	54.2	51.2	48.8	44.9	43.7	42.9	7.5	7.7	27.0	26.9	26.8	25.5	25.4	25.2
8.0	43.5	44.4	45.2	45.7	46.6	46.7	44.9	44.6	44.0	8.0	8.2	28.3	28.2	28.1	27.2	27.0	26.8
8.5	41.0	41.8	42.5	41.4	42.8	43.8	42.8	43.6	44.1	8.5	8.7	29.8	29.7	29.5	28.4	28.3	28.2
9.0	40.6	41.2	41.8	40.5	41.2	41.6	41.5	42.1	42.6	9.0	9.2	30.3	30.3	30.2	28.3	28.1	27.9
9.5	40.0	40.7	41.3	40.3	40.8	41.0	42.1	42.8	43.3	9.5	9.7	31.2	31.1	31.1	27.8	27.6	27.4
10.0	39.5	40.2	40.8	40.6	41.1	41.3	44.0	44.8	45.3	10.0	10.2	31.9	31.9	31.8	27.5	27.3	27.2
10.5	39.2	39.8	40.4	42.1	42.3	42.5	47.7	48.6	49.3	10.5	10.7	32.7	32.7	32.8	27.4	27.3	27.3
11.0	38.5	39.0	39.6	44.0	44.0	44.0	53.6	54.7	55.4	11.0	11.2	34.1	34.0	33.9	27.7	27.5	27.4
11.5	37.9	38.5	39.2	45.9	46.0	46.0	53.5	54.9	55.9	11.5	11.7	37.2	36.8	36.4	27.6	27.5	27.5
12.0	38.7	39.1	39.6	47.5	47.6	47.7	51.0	51.4	51.8	12.0	12.2	36.8	36.7	36.6	27.5	27.5	27.5
12.5	39.3	40.1	40.9	52.5	52.2	51.9	48.7	48.9	49.1	12.5	12.7	34.3	34.3	34.2	28.3	28.3	28.3
13.0	38.8	39.6	40.5	54.6	55.1	55.5	45.4	45.7	46.0	13.0	13.2	31.5	31.5	31.5	29.3	29.3	29.4
13.5	38.5	39.4	40.3	49.6	50.4	51.1	45.6	46.0	46.3	13.5	13.7	30.4	30.4	30.4	31.4	31.5	31.6
14.0	37.9	38.9	39.9	47.3	47.9	48.4	48.6	48.9	49.2	14.0	14.2	31.1	31.1	31.2	34.0	34.2	34.5
14.5	37.7	38.7	39.8	44.9	45.2	45.4	59.0	58.0	57.0	14.5	14.7	36.3	36.5	36.6	31.4	31.6	31.7
15.0	37.9	39.1	40.4	41.9	41.9	41.8	50.2	49.7	49.2	15.0	15.2	35.9	35.9	36.0	26.3	26.4	26.5
15.5	39.4	41.2	43.2	40.5	40.4	40.4	45.3	45.0	44.8	15.5	15.7	27.8	27.9	27.9	24.0	24.2	24.3
16.0	40.3	42.7	45.7	41.4	41.3	41.3	44.2	44.1	44.0	16.0	16.2	26.8	26.9	26.9	24.2	24.4	24.6
16.5	40.2	42.8	46.2	41.1	41.0	40.9	41.6	41.7	41.7	16.5	16.7	26.7	26.7	26.8	24.4	24.5	24.7
17.0	38.0	39.3	40.7	40.6	40.6	40.5	39.3	39.4	39.5	17.0	17.2	27.3	27.3	27.4	24.7	24.9	25.0
17.5	37.6	38.5	39.5	40.2	40.3	40.3	37.8	38.0	38.1	17.5	17.7	28.3	28.4	28.4	25.1	25.3	25.4
18.0	38.4	39.3	40.3	39.1	39.3	39.4	37.1	37.3	37.5	18.0	18.2	29.8	29.9	29.9	26.4	26.5	26.6
18.5	39.3	40.4	41.6	37.8	38.0	38.1	36.4	36.6	36.8	18.5	18.7	32.0	32.1	32.1	27.7	27.8	27.8
19.0	39.0	39.9	40.7	36.6	36.8	36.9	35.3	35.5	35.6	19.0	19.2	34.2	34.2	34.2	27.8	27.9	28.0
19.5	38.7	39.5	40.2	35.3	35.5	35.6	33.6	33.7	33.8	19.5	19.7	36.4	36.4	36.4	27.0	27.0	27.0
20.0	38.9	39.6	40.1	33.3	33.4	33.5	31.0	31.1	31.1	20.0	20.2	37.8	37.7	37.7	26.1	26.2	26.2
20.5	39.3	39.8	40.3	31.8	31.9	32.0	29.3	29.3	29.3	20.5	20.7	36.0	36.0	36.1	25.3	25.3	25.3
21.0	38.9	39.2	39.4	31.5	31.5	31.5	29.6	29.4	29.3	21.0	21.2	32.5	32.6	32.8	24.9	25.0	25.0
21.5	38.0	38.2	38.2	30.4	30.1	29.8	28.8	28.4	28.0	21.5	21.7	30.0	30.3	30.5	24.6	24.7	24.7
22.0	36.2	36.4	36.5	29.7	29.2	28.7	28.3	27.7	27.1	22.0	22.2	27.9	28.1	28.3	24.4	24.5	24.6
22.5	34.8	35.1	35.4	28.8	28.2	27.6	27.2	26.5	25.9	22.5	22.7	26.9	27.0	27.2	25.8	26.0	26.2
23.0	33.9	34.4	34.8	26.9	26.5	26.0	25.1	24.6	24.1	23.0	23.2	26.4	26.5	26.7	28.0	28.3	28.6
23.5	32.8	33.4	33.9	25.3	25.0	24.7	22.8	22.4	22.1	23.5	23.7	26.8	26.9	27.1	30.4	30.8	31.2
24.0	31.6	32.2	32.8	25.2	25.2	25.1	22.1	21.9	21.7	24.0	24.2	26.6	26.7	26.8	29.2	29.5	29.7

Typical Performance Data

RF FREQUENCY (GHz)	LO FREQUENCY (GHz)	AMP UNBALANCE VS. RF @ FIXED IF=200MHz		
		@LO (dBm)		
		+17	+18	+19
6.0	6.2	1.3	0.8	0.8
6.5	6.7	0.5	0.2	0.2
7.0	7.2	0.1	0.2	0.2
7.5	7.7	0.1	0.2	0.2
8.0	8.2	0.2	0.3	0.3
8.5	8.7	0.1	0.2	0.3
9.0	9.2	0.1	0.2	0.2
9.5	9.7	0.1	0.2	0.2
10.0	10.2	0.1	0.2	0.2
10.5	10.7	0.2	0.2	0.2
11.0	11.2	0.0	0.0	0.0
11.5	11.7	0.0	0.0	0.0
12.0	12.2	0.1	0.2	0.1
12.5	12.7	0.3	0.3	0.2
13.0	13.2	0.2	0.2	0.1
13.5	13.7	0.2	0.2	0.1
14.0	14.2	0.2	0.1	0.1
14.5	14.7	0.1	0.1	0.0
15.0	15.2	0.1	0.1	0.1
15.5	15.7	0.1	0.1	0.1
16.0	16.2	0.1	0.0	0.0
16.5	16.7	0.1	0.1	0.0
17.0	17.2	0.2	0.2	0.1
17.5	17.7	0.0	0.1	0.0
18.0	18.2	0.0	0.1	0.1
18.5	18.7	0.0	0.1	0.1
19.0	19.2	0.0	0.0	0.0
19.5	19.7	0.2	0.0	0.1
20.0	20.2	0.2	0.1	0.1
20.5	20.7	0.2	0.1	0.1
21.0	21.2	0.1	0.0	0.1
21.5	21.7	0.2	0.1	0.1
22.0	22.2	0.1	0.0	0.1
22.5	22.7	0.2	0.1	0.1
23.0	23.2	0.1	0.0	0.0
23.5	23.7	0.0	0.1	0.0
24.0	24.2	0.0	0.1	0.0
24.5	24.7	0.5	0.3	0.3
25.0	25.2	0.9	0.5	0.6
25.5	25.7	1.3	0.5	0.7
26.0	26.2	2.4	1.0	1.0
26.5	26.7	28.4	8.9	5.0
27.0	27.2	24.8	6.3	3.8
27.5	27.7	24.8	6.3	3.8
28.0	28.2	24.8	6.3	3.8

RF FREQUENCY (GHz)	LO FREQUENCY (GHz)	AMP UNBALANCE VS. RF @ FIXED IF=2000MHz		
		@LO (dBm)		
		+17	+18	+19
6.0	8.0	0.3	0.1	0.1
6.5	8.5	0.0	0.1	0.1
7.0	9.0	0.2	0.2	0.2
7.5	9.5	0.2	0.2	0.2
8.0	10.0	0.1	0.2	0.2
8.5	10.5	0.0	0.1	0.1
9.0	11.0	0.0	0.0	0.0
9.5	11.5	0.1	0.2	0.2
10.0	12.0	0.2	0.1	0.1
10.5	12.5	0.0	0.0	0.0
11.0	13.0	0.1	0.1	0.1
11.5	13.5	0.2	0.1	0.1
12.0	14.0	0.2	0.1	0.1
12.5	14.5	0.1	0.0	0.0
13.0	15.0	0.0	0.1	0.1
13.5	15.5	0.1	0.2	0.2
14.0	16.0	0.2	0.3	0.3
14.5	16.5	0.1	0.2	0.2
15.0	17.0	0.1	0.1	0.1
15.5	17.5	0.0	0.0	0.0
16.0	18.0	0.0	0.0	0.0
16.5	18.5	0.1	0.1	0.1
17.0	19.0	0.1	0.1	0.1
17.5	19.5	0.1	0.1	0.1
18.0	20.0	0.2	0.1	0.1
18.5	20.5	0.2	0.1	0.1
19.0	21.0	0.3	0.2	0.2
19.5	21.5	0.3	0.2	0.2
20.0	22.0	0.2	0.1	0.2
20.5	22.5	0.4	0.3	0.3
21.0	23.0	0.0	0.0	0.0
21.5	23.5	0.4	0.3	0.3
22.0	24.0	0.4	0.4	0.4
22.5	24.5	0.3	0.3	0.3
23.0	25.0	0.5	0.4	0.4
23.5	25.5	0.9	0.6	0.6
24.0	26.0	3.2	1.1	1.1
24.5	26.5	22.9	4.0	4.0
25.0	27.0	37.7	12.3	12.2
25.5	27.5	35.3	42.0	42.0
26.0	28.0	10.9	33.5	33.4

RF FREQUENCY (GHz)	LO FREQUENCY (GHz)	AMP UNBALANCE VS. RF @ FIXED IF=3000MHz		
		@LO (dBm)		
		+17	+18	+19
6.0	9.0	0.5	0.4	0.3
6.5	9.5	0.3	0.3	0.2
7.0	10.0	0.3	0.3	0.2
7.5	10.5	0.3	0.3	0.2
8.0	11.0	0.3	0.2	0.2
8.5	11.5	0.2	0.2	0.2
9.0	12.0	0.2	0.2	0.2
9.5	12.5	0.1	0.2	0.2
10.0	13.0	0.3	0.3	0.3
10.5	13.5	0.3	0.4	0.4
11.0	14.0	0.1	0.1	0.2
11.5	14.5	0.1	0.1	0.2
12.0	15.0	0.2	0.2	0.3
12.5	15.5	0.3	0.4	0.4
13.0	16.0	0.4	0.4	0.4
13.5	16.5	0.4	0.4	0.4
14.0	17.0	0.5	0.5	0.5
14.5	17.5	0.5	0.5	0.5
15.0	18.0	0.4	0.4	0.4
15.5	18.5	0.2	0.2	0.2
16.0	19.0	0.4	0.3	0.3
16.5	19.5	0.4	0.3	0.3
17.0	20.0	0.3	0.2	0.2
17.5	20.5	0.3	0.2	0.2
18.0	21.0	0.5	0.4	0.3
18.5	21.5	0.4	0.4	0.3
19.0	22.0	0.4	0.4	0.3
19.5	22.5	0.5	0.5	0.4
20.0	23.0	0.8	0.7	0.6
20.5	23.5	0.4	0.4	0.3
21.0	24.0	0.6	0.6	0.6
21.5	24.5	0.8	0.7	0.6
22.0	25.0	0.7	0.6	0.6
22.5	25.5	1.0	0.9	0.8
23.0	26.0	4.1	2.3	1.6
23.5	26.5	25.6	12.4	5.1
24.0	27.0	24.7	27.3	13.6
24.5	27.5	23.4	23.8	26.0
25.0	28.0	9.8	17.0	22.8

Typical Performance Data

RF FREQUENCY (GHz)	LO FREQUENCY (GHz)	PHASE UNBALANCE VS. RF @ FIXED IF=200MHz			RF FREQUENCY (GHz)	LO FREQUENCY (GHz)	PHASE UNBALANCE VS. RF @ FIXED IF=2000MHz			RF FREQUENCY (GHz)	LO FREQUENCY (GHz)	PHASE UNBALANCE VS. RF @ FIXED IF=3000MHz		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+17	+18	+19			+17	+18	+19			+17	+18	+19
6.0	6.2	1.3	1.7	1.8	6.0	8.0	5.6	4.6	3.7	6.0	9.0	1.0	1.1	1.1
6.5	6.7	4.3	3.0	2.0	6.5	8.5	3.2	2.8	2.4	6.5	9.5	0.6	0.5	0.4
7.0	7.2	1.8	0.4	0.8	7.0	9.0	0.6	0.8	1.0	7.0	10.0	1.0	0.3	0.2
7.5	7.7	2.4	1.5	0.7	7.5	9.5	1.0	0.7	0.4	7.5	10.5	1.5	0.5	0.3
8.0	8.2	1.5	1.4	1.2	8.0	10.0	1.7	0.9	0.2	8.0	11.0	1.0	0.3	0.4
8.5	8.7	0.8	0.0	0.7	8.5	10.5	1.8	0.8	0.1	8.5	11.5	0.4	1.0	1.6
9.0	9.2	2.6	2.2	1.7	9.0	11.0	1.1	0.2	0.6	9.0	12.0	1.8	2.0	2.0
9.5	9.7	2.0	1.2	0.4	9.5	11.5	1.4	0.6	0.2	9.5	12.5	1.7	2.8	3.7
10.0	10.2	1.6	0.8	0.2	10.0	12.0	1.5	1.8	1.9	10.0	13.0	1.3	2.0	2.5
10.5	10.7	1.5	0.3	0.5	10.5	12.5	0.8	2.0	3.0	10.5	13.5	3.5	3.7	3.8
11.0	11.2	0.8	0.1	0.9	11.0	13.0	2.9	3.5	4.0	11.0	14.0	4.6	4.6	4.7
11.5	11.7	0.7	1.4	2.1	11.5	13.5	4.1	4.4	4.6	11.5	14.5	3.8	3.9	3.9
12.0	12.2	2.4	3.0	3.5	12.0	14.0	3.4	3.6	3.9	12.0	15.0	4.9	4.5	4.3
12.5	12.7	2.1	3.0	3.7	12.5	14.5	4.7	4.8	4.9	12.5	15.5	6.0	5.4	4.9
13.0	13.2	2.1	2.7	3.2	13.0	15.0	6.0	5.6	5.4	13.0	16.0	6.6	5.6	4.9
13.5	13.7	3.2	3.5	3.9	13.5	15.5	7.7	7.1	6.5	13.5	16.5	7.0	6.1	5.2
14.0	14.2	4.5	4.8	5.0	14.0	16.0	8.0	7.2	6.6	14.0	17.0	6.9	5.9	5.1
14.5	14.7	6.2	6.2	6.2	14.5	16.5	8.2	7.3	6.4	14.5	17.5	7.1	6.0	5.0
15.0	15.2	8.5	7.9	7.5	15.0	17.0	8.5	7.5	6.5	15.0	18.0	6.7	5.7	4.9
15.5	15.7	9.9	8.9	8.0	15.5	17.5	8.0	7.0	6.0	15.5	18.5	5.0	4.3	3.5
16.0	16.2	9.5	8.5	7.6	16.0	18.0	6.0	5.3	4.7	16.0	19.0	4.1	3.4	2.8
16.5	16.7	9.1	8.1	7.3	16.5	18.5	4.6	3.9	3.2	16.5	19.5	3.5	2.8	2.1
17.0	17.2	7.5	6.5	5.7	17.0	19.0	4.0	3.4	2.8	17.0	20.0	1.6	1.0	0.5
17.5	17.7	7.2	6.2	5.2	17.5	19.5	2.6	2.3	1.9	17.5	20.5	0.4	0.5	0.6
18.0	18.2	6.5	5.6	4.8	18.0	20.0	1.0	0.6	0.3	18.0	21.0	2.7	2.5	2.3
18.5	18.7	5.1	4.5	3.9	18.5	20.5	1.0	1.1	1.1	18.5	21.5	4.2	3.7	3.2
19.0	19.2	3.5	3.2	2.9	19.0	21.0	2.2	2.1	1.9	19.0	22.0	4.5	3.9	3.4
19.5	19.7	2.3	2.1	1.8	19.5	21.5	3.7	3.1	2.7	19.5	22.5	5.0	4.4	3.9
20.0	20.2	1.5	1.2	0.9	20.0	22.0	4.4	3.8	3.3	20.0	23.0	4.7	4.3	3.8
20.5	20.7	0.3	0.3	0.2	20.5	22.5	4.1	3.5	3.1	20.5	23.5	4.4	4.2	3.9
21.0	21.2	2.7	2.4	2.1	21.0	23.0	4.0	3.6	3.1	21.0	24.0	4.9	4.8	4.5
21.5	21.7	1.8	1.3	0.9	21.5	23.5	3.8	3.5	3.1	21.5	24.5	3.5	3.5	3.5
22.0	22.2	3.6	2.9	2.2	22.0	24.0	2.5	2.3	2.0	22.0	25.0	2.1	2.5	2.8
22.5	22.7	3.1	2.5	1.9	22.5	24.5	1.6	1.6	1.7	22.5	25.5	1.9	2.4	2.9
23.0	23.2	2.7	2.4	2.1	23.0	25.0	2.1	2.2	2.3	23.0	26.0	0.9	1.2	0.8
23.5	23.7	2.7	2.4	2.2	23.5	25.5	0.6	0.8	1.0	23.5	26.5	49.5	3.5	5.3
24.0	24.2	3.2	2.9	2.6	24.0	26.0	1.8	3.0	3.2	24.0	27.0	33.8	63.9	7.4
24.5	24.7	3.6	3.2	2.8	24.5	26.5	23.6	5.0	1.9	24.5	27.5	21.7	18.0	37.0
25.0	25.2	1.8	1.6	1.6	25.0	27.0	49.6	29.1	6.1	25.0	28.0	47.6	72.7	26.8
25.5	25.7	1.7	0.6	0.4	25.5	27.5	12.7	0.8	60.8					
26.0	26.2	2.9	0.2	0.4	26.0	28.0	56.9	76.9	26.3					
26.5	26.7	14.5	8.4	3.8										
27.0	27.2	12.6	7.0	2.1										
27.5	27.7	12.6	7.0	2.1										
28.0	28.2	12.6	7.0	2.1										

## Typical Performance Data

RF FREQUENCY (GHz)	RF VSWR (:1)			LO VSWR (:1)		
	@LO (dBm)			@LO (dBm)		
	+17	+18	19	+17	+18	19
6.0	1.75	1.74	1.73	1.49	1.49	1.48
6.5	1.33	1.30	1.29	1.30	1.30	1.28
7.0	1.64	1.61	1.58	1.17	1.17	1.15
7.5	1.69	1.67	1.65	1.06	1.06	1.05
8.0	1.57	1.55	1.53	1.02	1.02	1.03
8.5	1.51	1.49	1.47	1.06	1.06	1.07
9.0	1.57	1.55	1.53	1.08	1.08	1.08
9.5	1.59	1.57	1.55	1.08	1.08	1.08
10.0	1.63	1.61	1.59	1.08	1.08	1.08
10.5	1.66	1.65	1.63	1.08	1.08	1.08
11.0	1.66	1.63	1.61	1.08	1.08	1.08
11.5	1.72	1.68	1.64	1.10	1.10	1.10
12.0	1.76	1.72	1.68	1.12	1.12	1.12
12.5	1.70	1.67	1.64	1.15	1.15	1.14
13.0	1.65	1.62	1.59	1.13	1.13	1.13
13.5	1.52	1.49	1.46	1.12	1.12	1.12
14.0	1.41	1.39	1.36	1.11	1.11	1.11
14.5	1.40	1.39	1.37	1.09	1.09	1.10
15.0	1.56	1.54	1.53	1.08	1.08	1.08
15.5	1.73	1.72	1.70	1.06	1.06	1.06
16.0	1.79	1.77	1.75	1.05	1.05	1.05
16.5	1.96	1.93	1.90	1.10	1.10	1.10
17.0	1.97	1.94	1.92	1.15	1.15	1.15
17.5	2.14	2.11	2.08	1.20	1.20	1.20
18.0	2.25	2.22	2.18	1.23	1.23	1.23
18.5	2.32	2.28	2.25	1.26	1.26	1.26
19.0	2.35	2.30	2.26	1.28	1.28	1.28
19.5	2.37	2.31	2.26	1.31	1.31	1.31
20.0	2.36	2.29	2.24	1.33	1.33	1.34
20.5	2.11	2.06	2.03	1.35	1.35	1.35
21.0	1.84	1.80	1.76	1.35	1.35	1.36
21.5	1.82	1.78	1.76	1.36	1.36	1.37
22.0	1.65	1.63	1.60	1.39	1.38	1.39
22.5	1.59	1.57	1.54	1.43	1.43	1.44
23.0	1.59	1.56	1.53	1.50	1.50	1.51
23.5	1.55	1.53	1.52	1.58	1.58	1.59
24.0	1.59	1.58	1.58	1.68	1.68	1.69

IF FREQUENCY (GHz)	IF (Q) VSWR (:1)			IF (I) VSWR (:1)		
	@LO (dBm)			@LO (dBm)		
	+17	+18	19	+17	+18	19
0.01	1.72	1.61	1.51	1.56	1.46	1.37
0.05	1.72	1.61	1.51	1.55	1.45	1.36
0.10	1.71	1.60	1.51	1.55	1.45	1.36
0.20	1.72	1.61	1.51	1.56	1.46	1.37
0.50	1.70	1.60	1.51	1.53	1.44	1.36
1.00	1.62	1.54	1.46	1.47	1.40	1.33
1.20	1.58	1.51	1.44	1.44	1.38	1.32
1.40	1.57	1.50	1.45	1.42	1.37	1.32
1.60	1.56	1.50	1.46	1.43	1.38	1.35
1.80	1.55	1.51	1.46	1.44	1.40	1.37
2.00	1.56	1.52	1.49	1.45	1.43	1.41
2.20	1.59	1.56	1.53	1.50	1.48	1.47
2.40	1.63	1.60	1.58	1.55	1.53	1.53
2.60	1.66	1.64	1.62	1.59	1.58	1.58
2.80	1.70	1.68	1.67	1.65	1.64	1.63
3.00	1.74	1.72	1.70	1.69	1.68	1.67
3.20	1.78	1.75	1.73	1.73	1.71	1.70
3.40	1.81	1.78	1.75	1.78	1.76	1.74
3.60	1.85	1.81	1.77	1.83	1.80	1.77
3.80	1.88	1.83	1.78	1.87	1.82	1.79
4.00	1.91	1.84	1.79	1.92	1.87	1.82
4.20	1.91	1.84	1.77	1.91	1.85	1.79
4.40	1.91	1.83	1.76	1.89	1.81	1.74
4.60	1.90	1.81	1.74	1.87	1.79	1.72
4.80	1.88	1.79	1.71	1.84	1.76	1.68
5.00	1.85	1.76	1.67	1.83	1.74	1.67
5.20	1.84	1.75	1.67	1.84	1.76	1.68
5.30	1.82	1.73	1.65	1.82	1.73	1.66
5.40	1.82	1.73	1.65	1.84	1.76	1.69
5.50	1.81	1.72	1.65	1.88	1.79	1.72
5.60	1.84	1.76	1.68	1.92	1.83	1.76
5.70	1.86	1.77	1.70	1.93	1.84	1.77
5.80	1.91	1.83	1.75	2.03	1.94	1.87
5.90	1.95	1.87	1.80	2.07	1.98	1.91
6.00	2.01	1.93	1.85	2.14	2.06	1.99



Typical Performance Data

RF (IN) FREQUENCY (GHz)	LO FREQUENCY (GHz)	INPUT IP3 VS. RF (I) LOWER SIDE @ FIXED IF=200MHz			RF (IN) FREQUENCY (GHz)	LO FREQUENCY (GHz)	INPUT IP3 VS. RF (I) LOWER SIDE @ FIXED IF=2000MHz			RF (IN) FREQUENCY (GHz)	LO FREQUENCY (GHz)	INPUT IP3 VS. RF (I) LOWER SIDE @ FIXED IF=300MHz		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+17	+18	+19			+17	+18	+19			+17	+18	+19
6.0	6.2	15.6	16.4	17.3	6.0	8.0	16.4	17.1	17.8	6.0	9.0	19.2	19.7	20.0
6.5	6.7	14.6	15.3	15.9	6.5	8.5	17.2	17.7	18.3	6.5	9.5	18.6	19.5	20.2
7.0	7.2	14.8	15.6	16.4	7.0	9.0	19.3	19.7	19.9	7.0	10.0	18.6	19.3	19.9
7.5	7.7	16.1	16.7	17.3	7.5	9.5	20.8	21.7	22.3	7.5	10.5	20.2	20.5	20.7
8.0	8.2	18.5	18.8	19.3	8.0	10.0	20.9	21.6	22.3	8.0	11.0	19.4	20.1	20.8
8.5	8.7	20.9	20.8	21.1	8.5	10.5	21.3	21.5	21.8	8.5	11.5	18.1	18.3	18.6
9.0	9.2	24.3	23.8	23.3	9.0	11.0	20.0	20.5	21.0	9.0	12.0	20.9	20.0	19.9
9.5	9.7	25.8	26.4	26.3	9.5	11.5	19.6	19.6	19.9	9.5	12.5	23.7	23.8	23.0
10.0	10.2	25.5	26.5	27.3	10.0	12.0	22.3	21.4	21.0	10.0	13.0	22.0	22.6	23.2
10.5	10.7	22.4	22.9	23.6	10.5	12.5	23.6	23.5	23.2	10.5	13.5	22.4	22.9	23.3
11.0	11.2	24.0	23.1	23.0	11.0	13.0	22.4	22.7	23.0	11.0	14.0	23.1	23.8	24.2
11.5	11.7	24.8	23.7	23.2	11.5	13.5	22.0	22.5	22.8	11.5	14.5	22.3	23.1	23.8
12.0	12.2	23.9	22.9	22.3	12.0	14.0	21.4	22.1	22.5	12.0	15.0	22.1	22.8	23.3
12.5	12.7	25.7	25.7	25.4	12.5	14.5	21.4	22.3	22.9	12.5	15.5	22.9	23.4	23.5
13.0	13.2	22.7	23.1	23.4	13.0	15.0	21.5	22.5	23.1	13.0	16.0	23.9	24.2	24.4
13.5	13.7	21.0	21.6	22.0	13.5	15.5	22.2	22.5	22.9	13.5	16.5	22.8	23.7	24.1
14.0	14.2	20.9	21.8	22.4	14.0	16.0	23.6	24.0	24.0	14.0	17.0	20.9	21.8	22.2
14.5	14.7	20.4	21.4	22.1	14.5	16.5	23.1	23.6	23.7	14.5	17.5	20.9	21.8	22.5
15.0	15.2	20.0	20.8	21.3	15.0	17.0	21.0	21.6	21.7	15.0	18.0	20.4	21.1	21.3
15.5	15.7	21.6	21.5	22.0	15.5	17.5	21.9	22.5	22.8	15.5	18.5	22.2	22.0	21.8
16.0	16.2	23.2	22.8	22.4	16.0	18.0	21.7	21.7	21.6	16.0	19.0	19.6	19.4	19.5
16.5	16.7	22.8	22.6	22.5	16.5	18.5	21.8	21.3	21.1	16.5	19.5	18.2	18.5	19.3
17.0	17.2	28.1	26.6	25.5	17.0	19.0	19.9	20.1	20.5	17.0	20.0	19.2	20.7	22.0
17.5	17.7	28.6	28.4	27.7	17.5	19.5	20.9	21.1	22.0	17.5	20.5	21.4	22.6	23.7
18.0	18.2	28.7	28.3	27.4	18.0	20.0	22.7	23.6	23.9	18.0	21.0	23.3	23.6	24.4
18.5	18.7	24.4	24.4	24.8	18.5	20.5	22.1	23.3	24.2	18.5	21.5	24.7	24.4	24.9
19.0	19.2	24.7	24.7	24.9	19.0	21.0	22.4	23.2	24.1	19.0	22.0	27.7	25.8	25.4
19.5	19.7	25.2	26.6	29.9	19.5	21.5	25.9	26.2	28.3	19.5	22.5	29.4	30.3	31.1
20.0	20.2	24.0	26.5	29.3	20.0	22.0	29.0	27.8	27.8	20.0	23.0	29.4	30.6	31.0
20.5	20.7	23.5	25.0	26.2	20.5	22.5	28.3	27.8	26.7	20.5	23.5	29.7	29.0	28.0
21.0	21.2	23.8	24.9	25.8	21.0	23.0	27.4	27.2	27.0	21.0	24.0	25.7	25.8	25.4
21.5	21.7	23.3	25.0	26.0	21.5	23.5	28.5	28.6	28.7					
22.0	22.2	25.1	25.7	25.9	22.0	24.0	25.5	26.2	26.2					
22.5	22.7	27.6	27.4	27.4										
23.0	23.2	27.7	28.6	28.6										
23.5	23.7	28.0	30.0	31.1										
24.0	24.2	28.5	29.8	30.0										

Typical Performance Data

RF (IN) FREQUENCY (GHz)	LO FREQUENCY (GHz)	INPUT IP3 VS. RF (Q) LOWER SIDE @ FIXED IF=200MHz		
		@LO (dBm)		
		+17	+18	+19
6.0	6.2	19.7	20.3	20.8
6.5	6.7	17.2	17.7	18.3
7.0	7.2	19.3	19.7	19.9
7.5	7.7	20.8	21.7	22.3
8.0	8.2	20.9	21.6	22.3
8.5	8.7	21.3	21.5	21.8
9.0	9.2	20.0	20.5	21.0
9.5	9.7	19.6	19.6	19.9
10.0	10.2	22.3	21.4	21.0
10.5	10.7	23.6	23.5	23.2
11.0	11.2	22.4	22.7	23.0
11.5	11.7	22.0	22.5	22.8
12.0	12.2	21.4	22.1	22.5
12.5	12.7	21.4	22.3	22.9
13.0	13.2	21.5	22.5	23.1
13.5	13.7	22.2	22.5	22.9
14.0	14.2	23.6	24.0	24.0
14.5	14.7	23.1	23.6	23.7
15.0	15.2	21.0	21.6	21.7
15.5	15.7	21.9	22.5	22.8
16.0	16.2	21.7	21.7	21.6
16.5	16.7	21.8	21.3	21.1
17.0	17.2	19.9	20.1	20.5
17.5	17.7	20.9	21.1	22.0
18.0	18.2	22.7	23.6	23.9
18.5	18.7	22.1	23.3	24.2
19.0	19.2	22.4	23.2	24.1
19.5	19.7	25.9	26.2	28.3
20.0	20.2	29.0	27.8	27.8
20.5	20.7	28.3	27.8	26.7
21.0	21.2	27.4	27.2	27.0
21.5	21.7	28.5	28.6	28.7
22.0	22.2	25.5	26.2	26.2
22.5	22.7	23.4	24.2	24.8
23.0	23.2	25.3	26.1	26.2
23.5	23.7	23.6	31.2	32.3
24.0	24.2	16.0	17.6	21.5

RF (IN) FREQUENCY (GHz)	LO FREQUENCY (GHz)	INPUT IP3 VS. RF (Q) LOWER SIDE @ FIXED IF=2000MHz		
		@LO (dBm)		
		+17	+18	+19
6.0	8.0	19.0	19.5	20.0
6.5	8.5	19.6	19.8	20.1
7.0	9.0	21.6	22.0	22.5
7.5	9.5	23.0	23.3	23.2
8.0	10.0	22.2	23.0	23.5
8.5	10.5	21.6	22.0	22.5
9.0	11.0	20.4	21.0	21.6
9.5	11.5	20.1	19.9	20.2
10.0	12.0	23.6	22.3	21.3
10.5	12.5	22.1	22.3	22.4
11.0	13.0	21.9	22.8	23.4
11.5	13.5	21.8	22.6	23.1
12.0	14.0	20.2	21.0	21.7
12.5	14.5	19.5	21.0	21.9
13.0	15.0	19.8	21.0	22.0
13.5	15.5	21.6	22.1	22.5
14.0	16.0	24.6	24.2	23.9
14.5	16.5	23.4	24.1	24.1
15.0	17.0	20.8	21.4	21.8
15.5	17.5	22.5	23.1	23.4
16.0	18.0	21.8	21.9	21.9
16.5	18.5	22.3	21.7	21.4
17.0	19.0	20.5	20.7	20.9
17.5	19.5	21.5	21.6	22.6
18.0	20.0	23.3	23.8	23.7
18.5	20.5	23.2	24.2	24.9
19.0	21.0	23.0	24.0	24.6
19.5	21.5	26.2	27.5	29.1
20.0	22.0	29.2	28.6	27.8
20.5	22.5	28.0	27.3	27.1
21.0	23.0	26.9	27.1	26.9
21.5	23.5	28.7	29.4	28.3
22.0	24.0	25.4	25.8	26.0

RF (IN) FREQUENCY (GHz)	LO FREQUENCY (GHz)	INPUT IP3 VS. RF (Q) LOWER SIDE @ FIXED IF=3000MHz		
		@LO (dBm)		
		+17	+18	+19
6.0	9.0	21.4	22.0	22.6
6.5	9.5	20.5	21.0	21.5
7.0	10.0	19.9	20.5	21.0
7.5	10.5	20.5	20.7	21.0
8.0	11.0	20.1	20.9	21.5
8.5	11.5	18.8	19.0	19.3
9.0	12.0	22.9	21.4	20.6
9.5	12.5	21.9	22.4	22.4
10.0	13.0	21.1	22.0	23.0
10.5	13.5	22.2	23.1	23.7
11.0	14.0	22.1	23.3	24.0
11.5	14.5	20.6	21.9	22.8
12.0	15.0	20.4	21.6	22.3
12.5	15.5	21.7	22.3	22.9
13.0	16.0	24.5	24.2	23.7
13.5	16.5	23.2	24.9	25.1
14.0	17.0	21.1	22.3	22.9
14.5	17.5	21.2	22.3	22.8
15.0	18.0	20.7	21.2	21.5
15.5	18.5	22.8	22.4	22.2
16.0	19.0	20.0	19.8	19.7
16.5	19.5	18.8	19.0	19.7
17.0	20.0	20.2	22.0	23.5
17.5	20.5	22.7	24.0	24.8
18.0	21.0	23.1	23.9	24.3
18.5	21.5	24.3	24.6	25.3
19.0	22.0	26.6	25.8	25.7
19.5	22.5	29.8	30.3	31.4
20.0	23.0	29.4	29.9	31.7
20.5	23.5	32.0	29.5	28.9
21.0	24.0	25.2	25.5	25.5