

Frequency Mixer

MDB-73H+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP-3 INPUT (dBm)			RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+10dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+12	+15	+18			+12	+15	+18			+12	+15	+18
1000.1	1030.1	14.3	13.8	13.6	1000.1	1030.1	23.1	19.7	20.9	1000.1	1030.1	0.2	-0.1	0.0
1180.1	1210.1	14.0	13.6	13.3	1180.1	1210.1	18.0	17.6	19.1	1180.1	1210.1	-0.2	-0.2	-0.1
1380.1	1410.1	15.7	14.6	13.6	1380.1	1410.1	12.7	15.0	18.3	1380.1	1410.1	-1.1	-0.7	-0.3
1580.1	1610.1	14.9	13.0	11.8	1580.1	1610.1	14.0	18.7	23.5	1580.1	1610.1	-1.7	-0.6	-0.2
1780.1	1810.1	12.6	11.2	10.6	1780.1	1810.1	17.5	21.3	23.7	1780.1	1810.1	-0.7	-0.2	-0.1
1980.1	2010.1	11.3	10.3	9.9	1980.1	2010.1	16.1	17.9	19.1	1980.1	2010.1	0.0	0.1	0.1
2180.1	2210.1	9.8	8.9	8.7	2180.1	2210.1	15.5	18.2	19.7	2180.1	2210.1	1.1	0.8	0.5
2380.1	2410.1	8.7	8.2	8.1	2380.1	2410.1	15.7	17.2	18.3	2380.1	2410.1	1.6	1.0	0.6
2600.1	2630.1	8.0	7.7	7.6	2600.1	2630.1	15.2	16.9	18.0	2600.1	2630.1	1.8	1.3	0.8
2760.1	2790.1	7.7	7.4	7.3	2760.1	2790.1	14.1	16.8	18.2	2760.1	2790.1	1.9	1.4	0.9
2960.1	2990.1	7.6	7.3	7.2	2960.1	2990.1	13.6	15.5	17.5	2960.1	2990.1	1.7	1.3	0.9
3160.1	3190.1	7.6	7.2	7.3	3160.1	3190.1	13.9	15.2	16.8	3160.1	3190.1	1.4	1.0	0.7
3360.1	3390.1	7.6	7.2	7.1	3360.1	3390.1	15.5	16.5	17.3	3360.1	3390.1	1.0	0.7	0.5
3560.1	3590.1	7.9	7.3	7.2	3560.1	3590.1	17.2	19.1	21.6	3560.1	3590.1	0.8	0.5	0.4
3820.1	3850.1	8.0	7.5	7.5	3760.1	3790.1	20.1	21.9	24.4	3800.1	3830.1	0.8	0.4	0.3
3960.1	3990.1	8.7	7.7	7.6	3960.1	3990.1	25.8	24.4	24.3	3960.1	3990.1	0.6	0.4	0.3
4160.1	4190.1	9.3	8.0	7.9	4160.1	4190.1	21.1	22.6	21.9	4160.1	4190.1	0.3	0.3	0.2
4360.1	4390.1	9.5	8.3	8.2	4360.1	4390.1	20.0	20.7	20.7	4360.1	4390.1	0.3	0.3	0.2
4540.1	4570.1	9.5	8.3	8.2	4540.1	4570.1	21.5	21.3	21.6	4540.1	4570.1	0.5	0.4	0.3
4740.1	4770.1	9.5	8.4	8.3	4740.1	4770.1	26.6	22.1	22.2	4740.1	4770.1	0.4	0.4	0.3
4940.1	4970.1	9.8	8.7	8.5	4940.1	4970.1	24.1	26.0	24.1	4940.1	4970.1	0.5	0.3	0.3
5140.1	5170.1	9.8	8.8	8.6	5140.1	5170.1	20.3	23.9	23.4	5140.1	5170.1	0.4	0.3	0.2
5340.1	5370.1	10.1	8.9	8.7	5340.1	5370.1	19.5	24.5	21.9	5340.1	5370.1	0.4	0.3	0.2
5540.1	5570.1	10.2	9.1	8.9	5540.1	5570.1	20.1	28.4	23.1	5540.1	5570.1	0.2	0.3	0.2
5740.1	5770.1	10.6	9.4	9.0	5740.1	5770.1	21.2	31.8	26.2	5740.1	5770.1	0.0	0.2	0.2
5940.1	5970.1	10.3	9.3	9.0	5940.1	5970.1	24.0	23.6	22.6	5940.1	5970.1	0.2	0.3	0.3
6120.1	6150.1	10.0	9.2	9.0	6120.1	6150.1	23.0	23.4	23.1	6120.1	6150.1	0.6	0.4	0.4
6320.1	6350.1	9.2	8.6	8.6	6320.1	6350.1	19.5	23.4	24.1	6320.1	6350.1	1.0	0.5	0.4
6520.1	6550.1	9.1	8.6	8.6	6520.1	6550.1	19.4	23.6	25.1	6520.1	6550.1	1.2	0.5	0.4
6720.1	6750.1	9.1	8.7	8.7	6720.1	6750.1	18.7	23.0	26.2	6720.1	6750.1	1.2	0.5	0.3
6920.1	6950.1	9.2	8.7	8.7	6920.1	6950.1	19.5	22.5	24.8	6920.1	6950.1	1.2	0.5	0.3
7120.1	7150.1	9.5	9.0	9.0	7120.1	7150.1	19.7	23.0	25.2	7120.1	7150.1	1.1	0.5	0.3
7320.1	7350.1	10.4	9.9	9.8	7320.1	7350.1	19.0	21.5	24.5	7320.1	7350.1	1.1	0.6	0.4
7520.1	7550.1	11.3	10.5	10.2	7520.1	7550.1	19.4	21.9	24.0	7520.1	7550.1	0.9	0.6	0.5
7720.1	7750.1	12.0	10.9	10.4	7720.1	7750.1	21.0	22.3	22.7	7720.1	7750.1	0.7	0.5	0.5
7900.1	7930.1	12.5	11.1	10.4	7900.1	7930.1	21.5	21.2	20.7	7900.1	7930.1	0.9	0.7	0.7
8100.1	8130.1	12.7	11.1	10.3	8100.1	8130.1	21.0	21.1	19.7	8100.1	8130.1	1.0	0.8	0.8
8300.1	8330.1	14.0	11.5	10.6	8300.1	8330.1	17.4	19.5	20.8	8300.1	8330.1	1.2	1.1	0.9
8500.1	8530.1	16.1	12.0	10.8	8500.1	8530.1	19.5	16.5	18.7	8500.1	8530.1	0.3	1.5	0.9
8700.1	8730.1	17.7	12.7	11.0	8700.1	8730.1	18.0	15.8	19.9	8700.1	8730.1	-0.9	1.4	0.9
8900.1	8930.1	17.9	12.7	11.0	8900.1	8930.1	13.6	16.7	21.0	8900.1	8930.1	-1.3	1.3	0.9
9100.1	9130.1	17.7	12.6	11.0	9100.1	9130.1	13.9	19.2	22.6	9100.1	9130.1	-1.4	1.1	0.9
9300.1	9330.1	16.2	12.1	10.8	9300.1	9330.1	13.4	19.7	22.0	9300.1	9330.1	-0.6	1.0	1.0
9500.1	9530.1	15.0	11.8	10.7	9500.1	9530.1	17.0	21.1	20.6	9500.1	9530.1	-0.2	1.0	0.9



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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3200.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2600.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3800.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+15			+15			+15
1850.0	1350.1	10.59	10.0	2610.1	8.07	2030.0	1770.1	11.66
1770.0	1430.1	10.09	40.0	2640.1	7.62	1990.0	1810.1	11.21
1680.0	1520.1	9.50	80.0	2680.1	7.64	1940.0	1860.1	10.59
1600.0	1600.1	8.81	120.0	2720.1	7.71	1890.0	1910.1	9.93
1510.0	1690.1	8.40	150.0	2750.1	7.75	1850.0	1950.1	9.64
1430.0	1770.1	8.14	190.0	2790.1	7.72	1800.0	2000.1	9.43
1340.0	1860.1	7.93	230.0	2830.1	7.76	1750.0	2050.1	9.35
1260.0	1940.1	7.73	260.0	2860.1	7.80	1710.0	2090.1	9.38
1170.0	2030.1	7.52	300.0	2900.1	7.84	1660.0	2140.1	9.26
1080.0	2120.1	7.26	340.0	2940.1	7.86	1610.0	2190.1	9.10
1000.0	2200.1	7.15	370.0	2970.1	7.92	1570.0	2230.1	8.90
910.0	2290.1	7.11	410.0	3010.1	8.05	1520.0	2280.1	8.68
830.0	2370.1	7.12	450.0	3050.1	8.04	1470.0	2330.1	8.69
740.0	2460.1	7.14	480.0	3080.1	8.07	1420.0	2380.1	8.52
660.0	2540.1	7.13	520.0	3120.1	8.16	1380.0	2420.1	8.43
570.0	2630.1	7.18	560.0	3160.1	8.17	1330.0	2470.1	8.31
490.0	2710.1	7.22	590.0	3190.1	8.17	1280.0	2520.1	8.14
400.0	2800.1	7.27	630.0	3230.1	8.15	1240.0	2560.1	8.11
310.0	2890.1	7.21	670.0	3270.1	8.12	1190.0	2610.1	8.16
230.0	2970.1	7.26	700.0	3300.1	8.11	1140.0	2660.1	8.12
140.0	3060.1	7.21	740.0	3340.1	8.12	1100.0	2700.1	8.08
60.0	3140.1	7.24	780.0	3380.1	8.08	1050.0	2750.1	7.98
10.0	3210.1	7.65	810.0	3410.1	8.11	1000.0	2800.1	7.96
50.0	3250.1	7.15	850.0	3450.1	8.07	950.0	2850.1	7.90
100.0	3300.1	7.17	890.0	3490.1	8.17	910.0	2890.1	7.83
140.0	3340.1	7.21	920.0	3520.1	8.17	860.0	2940.1	7.80
190.0	3390.1	7.15	960.0	3560.1	8.20	810.0	2990.1	7.70
240.0	3440.1	7.15	1000.0	3600.1	8.20	770.0	3030.1	7.60
280.0	3480.1	7.08	1030.0	3630.1	8.21	720.0	3080.1	7.53
330.0	3530.1	7.01	1070.0	3670.1	8.23	670.0	3130.1	7.52
380.0	3580.1	7.00	1110.0	3710.1	8.28	630.0	3170.1	7.50
420.0	3620.1	7.02	1140.0	3740.1	8.32	580.0	3220.1	7.60
470.0	3670.1	7.04	1180.0	3780.1	8.34	530.0	3270.1	7.61
520.0	3720.1	7.10	1220.0	3820.1	8.38	480.0	3320.1	7.62
560.0	3760.1	7.07	1250.0	3850.1	8.42	440.0	3360.1	7.67
610.0	3810.1	7.11	1290.0	3890.1	8.41	390.0	3410.1	7.74
660.0	3860.1	7.20	1330.0	3930.1	8.56	340.0	3460.1	7.78
700.0	3900.1	7.28	1360.0	3960.1	8.58	300.0	3500.1	7.78
750.0	3950.1	7.37	1400.0	4000.1	8.78	250.0	3550.1	7.76
800.0	4000.1	7.47	1440.0	4040.1	8.82	200.0	3600.1	7.77
840.0	4040.1	7.44	1470.0	4070.1	8.95	160.0	3640.1	7.62
890.0	4090.1	7.51	1510.0	4110.1	8.96	110.0	3690.1	7.61
940.0	4140.1	7.53	1550.0	4150.1	9.18	60.0	3740.1	7.56
980.0	4180.1	7.56	1590.0	4190.1	9.18	10.0	3790.1	7.92

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+12	+15	+18	+12	+15	+18
1030.1	34.2	37.1	39.2	31.4	30.2	30.2
1210.1	35.7	37.8	39.4	30.0	30.0	30.1
1410.1	36.7	38.0	39.0	30.8	30.4	30.1
1610.1	39.2	39.5	39.4	32.7	31.5	30.8
1810.1	41.4	40.8	39.7	33.9	32.2	31.4
2010.1	41.9	39.6	38.2	36.6	33.8	32.4
2210.1	43.4	40.0	38.4	40.7	36.3	34.3
2410.1	40.5	39.5	39.0	41.9	39.2	37.4
2630.1	39.1	38.8	38.8	40.7	39.9	39.1
2790.1	38.8	38.9	38.9	41.4	41.2	41.0
2990.1	37.1	37.4	38.2	40.8	41.3	41.8
3190.1	35.3	34.6	34.8	41.1	41.8	42.7
3390.1	37.9	36.9	36.1	43.5	44.2	44.9
3590.1	41.1	39.7	38.6	44.9	45.1	45.4
3850.1	43.1	42.3	41.4	45.8	46.5	47.1
3990.1	45.9	43.8	43.1	46.3	46.9	47.3
4190.1	49.2	47.2	45.0	49.6	50.5	50.2
4390.1	50.9	50.2	47.8	50.0	50.9	50.4
4570.1	51.0	49.9	46.8	54.5	54.8	54.0
4770.1	45.3	45.1	42.4	59.7	56.7	53.9
4970.1	42.6	41.0	40.4	67.2	59.1	54.4
5170.1	41.6	38.9	38.2	57.7	55.8	52.5
5370.1	40.9	38.8	37.1	53.8	52.4	49.8
5570.1	39.9	39.0	37.2	49.4	48.4	46.7
5770.1	39.2	38.9	38.1	49.2	48.5	46.9
5970.1	38.5	37.8	36.6	47.8	47.0	45.8
6150.1	37.1	36.3	35.0	46.0	44.6	43.1
6350.1	37.0	35.8	34.3	43.5	42.3	40.8
6550.1	35.3	34.5	33.4	41.3	39.3	37.6
6750.1	34.4	34.1	33.3	39.5	37.1	35.3
6950.1	34.7	34.8	34.4	38.6	35.9	34.0
7150.1	35.6	36.5	36.5	35.1	32.8	31.0
7350.1	36.8	38.4	39.2	33.8	31.8	30.1
7550.1	36.7	35.2	33.7	33.1	31.6	29.9
7750.1	33.1	30.4	28.6	31.3	30.3	28.8
7930.1	31.4	28.9	27.2	31.1	31.1	30.0
8130.1	28.3	26.9	25.3	29.3	30.2	29.6
8330.1	25.6	25.7	24.7	27.3	28.6	28.9
8530.1	23.6	24.1	23.5	26.3	27.8	28.1
8730.1	22.0	22.4	22.0	26.7	28.0	28.0
8930.1	21.6	21.6	21.3	27.5	28.7	28.3
9130.1	21.6	21.2	20.7	28.5	29.1	28.3
9330.1	21.8	21.3	20.3	30.9	30.8	29.6
9530.1	21.4	20.8	19.6	32.5	31.7	30.2

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+12	+15	+18
1000.1	1030.1	11.5	12.3	13.0
1180.1	1210.1	10.6	11.3	12.1
1380.1	1410.1	9.8	10.4	10.8
1580.1	1610.1	8.6	9.0	9.2
1780.1	1810.1	8.4	8.6	8.7
1980.1	2010.1	8.4	8.4	8.4
2180.1	2210.1	8.3	8.2	8.2
2380.1	2410.1	9.0	8.9	8.9
2600.1	2630.1	10.5	10.5	10.4
2760.1	2790.1	11.7	11.8	11.7
2960.1	2990.1	12.8	12.9	12.9
3160.1	3190.1	13.8	13.8	13.7
3360.1	3390.1	15.4	15.0	14.7
3560.1	3590.1	16.1	15.4	15.0
3820.1	3850.1	16.5	15.6	15.3
3960.1	3990.1	17.3	16.4	16.1
4160.1	4190.1	17.5	16.9	16.6
4360.1	4390.1	16.4	16.0	15.8
4540.1	4570.1	16.0	15.7	15.6
4740.1	4770.1	15.6	15.4	15.3
4940.1	4970.1	15.4	15.2	15.2
5140.1	5170.1	15.4	15.5	15.5
5340.1	5370.1	14.4	14.5	14.6
5540.1	5570.1	14.6	14.7	14.8
5740.1	5770.1	14.3	14.5	14.6
5940.1	5970.1	13.5	13.7	13.8
6120.1	6150.1	13.7	13.9	14.0
6320.1	6350.1	13.6	13.8	14.0
6520.1	6550.1	12.6	12.9	13.1
6720.1	6750.1	13.3	13.6	13.8
6920.1	6950.1	12.8	13.2	13.4
7120.1	7150.1	11.7	12.0	12.3
7320.1	7350.1	12.4	12.6	12.8
7520.1	7550.1	12.3	12.6	12.8
7720.1	7750.1	11.9	12.4	12.8
7900.1	7930.1	13.1	13.7	14.2
8100.1	8130.1	13.6	14.2	14.8
8300.1	8330.1	14.6	15.2	15.7
8500.1	8530.1	16.2	16.8	17.1
8700.1	8730.1	18.0	18.3	18.5
8900.1	8930.1	19.8	19.5	19.3
9100.1	9130.1	21.3	20.6	19.9
9300.1	9330.1	22.0	21.0	19.9
9500.1	9530.1	22.3	21.3	20.3



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Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=3800.1MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+12	+15	+18		+12	+15	+18		+12	+15	+18
1000.1	1030.1	1.05	1.05	1.05	1030.1	4.17	3.84	4.13	10.1	1.87	1.48	1.33
1180.1	1210.1	1.07	1.07	1.07	1210.1	2.04	2.34	2.78	90.1	1.87	1.46	1.31
1380.1	1410.1	1.13	1.14	1.14	1410.1	1.38	1.77	2.18	180.1	1.86	1.45	1.30
1580.1	1610.1	1.15	1.14	1.13	1610.1	1.12	1.42	1.76	270.1	1.79	1.40	1.26
1780.1	1810.1	1.07	1.07	1.06	1810.1	1.28	1.29	1.55	360.1	1.74	1.36	1.23
1980.1	2010.1	1.03	1.03	1.03	2010.1	1.59	1.33	1.43	440.1	1.67	1.31	1.19
2180.1	2210.1	1.01	1.01	1.01	2210.1	1.81	1.34	1.35	530.1	1.58	1.24	1.13
2380.1	2410.1	1.00	1.00	1.00	2410.1	2.16	1.55	1.38	620.1	1.48	1.16	1.05
2600.1	2630.1	1.01	1.01	1.01	2630.1	2.40	1.65	1.41	710.1	1.40	1.12	1.04
2760.1	2790.1	1.02	1.01	1.01	2790.1	2.63	1.77	1.45	800.1	1.32	1.13	1.13
2960.1	2990.1	1.02	1.01	1.01	2990.1	2.94	1.92	1.48	880.1	1.30	1.18	1.20
3160.1	3190.1	1.01	1.00	1.01	3190.1	2.99	1.99	1.56	970.1	1.33	1.26	1.27
3360.1	3390.1	1.03	1.02	1.03	3390.1	3.24	2.12	1.61	1060.1	1.42	1.37	1.38
3560.1	3590.1	1.07	1.06	1.06	3590.1	3.49	2.22	1.64	1150.1	1.50	1.48	1.49
3820.1	3850.1	1.15	1.12	1.12	3850.1	4.42	2.71	1.95	1240.1	1.61	1.58	1.57
3960.1	3990.1	1.30	1.22	1.20	3990.1	4.07	2.57	1.86	1320.1	1.71	1.66	1.65
4160.1	4190.1	1.62	1.48	1.43	4190.1	5.04	3.10	2.23	1410.1	1.81	1.74	1.72
4360.1	4390.1	2.00	1.79	1.71	4390.1	4.12	2.68	2.00	1500.1	1.86	1.75	1.73
4540.1	4570.1	2.40	2.09	1.97	4570.1	4.73	3.00	2.22	1590.1	1.95	1.77	1.72
4740.1	4770.1	2.61	2.24	2.08	4770.1	5.00	3.24	2.54	1680.1	2.10	1.85	1.77
4940.1	4970.1	2.90	2.44	2.25	4970.1	4.12	2.77	2.18	1760.1	2.20	1.88	1.79
5140.1	5170.1	3.01	2.56	2.38	5170.1	4.92	3.37	2.82	1850.1	2.37	1.98	1.87
5340.1	5370.1	3.19	2.69	2.46	5370.1	3.24	2.37	2.05	1940.1	2.62	2.17	2.03
5540.1	5570.1	3.10	2.70	2.47	5570.1	4.35	3.22	2.88	2030.1	2.81	2.34	2.21
5740.1	5770.1	3.12	2.77	2.57	5770.1	2.80	2.31	2.22	2110.1	3.07	2.63	2.51
5940.1	5970.1	3.03	2.74	2.56	5970.1	3.75	3.06	2.85	2200.1	3.51	3.09	2.98
6120.1	6150.1	2.81	2.52	2.36	6150.1	3.49	3.10	3.09	2290.1	3.96	3.57	3.49
6320.1	6350.1	2.52	2.26	2.13	6350.1	2.11	1.86	1.85	2380.1	4.41	4.14	4.10
6520.1	6550.1	2.33	2.08	1.93	6550.1	3.19	2.97	3.05	2470.1	4.97	4.80	4.79
6720.1	6750.1	2.25	1.98	1.82	6750.1	1.53	1.55	1.70	2550.1	5.46	5.37	5.40
6920.1	6950.1	2.23	1.96	1.79	6950.1	2.69	2.59	2.70	2640.1	6.06	6.10	6.16
7120.1	7150.1	2.11	1.89	1.74	7150.1	1.67	1.90	2.14	2730.1	6.81	6.92	7.00
7320.1	7350.1	2.12	1.95	1.82	7350.1	1.99	1.93	1.97	2820.1	7.45	7.61	7.70
7520.1	7550.1	2.20	2.05	1.92	7550.1	2.15	2.44	2.70	2910.1	8.26	8.48	8.57
7720.1	7750.1	2.15	2.01	1.88	7750.1	1.53	1.56	1.61	2990.1	9.12	9.37	9.45
7900.1	7930.1	2.17	2.04	1.92	7930.1	2.23	2.36	2.48	3080.1	10.06	10.34	10.42
8100.1	8130.1	2.18	2.07	1.92	8130.1	2.09	2.32	2.51	3170.1	10.99	11.29	11.35
8300.1	8330.1	2.18	2.06	1.93	8330.1	2.00	2.08	2.16	3260.1	11.52	11.78	11.82
8500.1	8530.1	2.33	2.13	1.98	8530.1	2.64	2.76	2.91	3350.1	12.03	12.25	12.25
8700.1	8730.1	2.45	2.18	1.97	8730.1	2.09	2.09	2.11	3430.1	12.51	12.64	12.62
8900.1	8930.1	2.72	2.34	2.10	8930.1	2.69	2.70	2.69	3520.1	13.29	13.30	13.24
9100.1	9130.1	2.81	2.38	2.11	9130.1	1.93	1.88	1.83	3610.1	14.01	13.95	13.88
9300.1	9330.1	2.84	2.41	2.12	9330.1	2.38	2.28	2.19	3700.1	14.24	14.10	13.99
9500.1	9530.1	2.86	2.48	2.21	9530.1	1.46	1.36	1.27	3790.1	15.44	15.19	15.07

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	20	32	30	46	57	63	64	69	---	---
1	---	7.5	---	34	32	45	56	53	60	67	54	---
2	115	70	64	52	67	73	62	72	80	84	77	76
3	113	71	58	53	42	53	62	69	74	77	76	80
4	113	93	94	84	79	66	81	88	80	93	92	102
5	112	105	97	95	93	75	64	74	76	90	86	93
6	110	109	106	113	97	99	84	80	89	96	93	105
7	108	110	110	111	114	110	107	96	80	93	93	111
8	106	104	109	110	110	114	108	110	96	92	100	112
9	105	---	104	110	110	112	116	114	115	105	107	105
10	105	---	---	106	109	110	113	115	114	116	112	102
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 3200 MHz; 0 dBm.
LO IN: 3230 MHz; +15.00 dBm
IF OUT: 30 MHz; -7.20 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	29	45	40	60	76	82	71	81	---	---
1	---	6.1	---	34	35	55	60	64	69	76	68	---
2	103	57	67	41	55	69	59	75	79	86	84	79
3	108	50	41	47	28	48	56	61	84	74	78	89
4	107	78	67	79	64	50	69	76	70	83	87	98
5	107	68	63	72	57	52	37	60	66	70	87	85
6	104	105	89	90	89	74	77	58	75	83	76	89
7	103	88	87	76	77	77	68	60	49	63	76	76
8	100	88	103	99	97	101	83	87	73	60	78	87
9	101	---	81	92	96	85	87	82	76	66	55	69
10	100	---	---	92	114	111	100	96	95	87	77	67
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 3200 MHz; 10 dBm.
LO IN: 3230 MHz; +15.00 dBm
IF OUT: 30 MHz; 1.94 dBm

- Notes: 1. All Harmonics are in (dBc) relative to IF OUTPUT
2. + entry denotes harmonics are in (dBc) above IF OUTPUT
3. RF Cal represents the Harmonics level of the RF Input Signal to the mixer