Frequency Mixer SYM-ED14712/2

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=190MHz (dB) @LO (dBm)		
		+14	+17	+19
40.1	230.1	11.46	11.09	10.82
160.1	350.1	9.27	8.94	8.76
280.1	470.1	8.61	8.25	8.05
420.1	610.1	8.16	7.79	7.56
540.1	730.1	7.85	7.47	7.26
680.1	870.1	7.60	7.24	7.03
800.1	990.1	7.57	7.22	7.04
920.1	1110.1	7.62	7.28	7.10
1060.1	1250.1	7.57	7.23	7.04
1180.1	1370.1	7.42	7.09	6.89
1320.1	1510.1	7.36	7.00	6.80
1440.1	1630.1	7.42	7.04	6.83
1560.1	1750.1	7.36	7.00	6.80
1690.1	1880.1	7.32	6.98	6.80
1810.1	2000.1	7.44	7.12	6.94
1950.1	2140.1	7.47	7.16	6.98
2070.1	2260.1	7.54	7.21	7.03
2190.1	2380.1	7.49	7.16	6.97
2330.1	2520.1	7.57	7.21	7.01
2450.1	2640.1	7.67	7.31	7.11
2590.1	2780.1	8.00	7.63	7.43
2710.1	2900.1	8.10	7.72	7.52
2850.1	3040.1	8.00	7.63	7.44
2970.1	3160.1	8.02	7.67	7.48
3090.1	3280.1	8.13	7.78	7.58
3230.1	3420.1	7.97	7.64	7.46
3350.1	3540.1	7.94	7.61	7.43
3490.1	3680.1	7.97	7.65	7.47
3610.1	3800.1	7.95	7.63	7.47
3730.1	3920.1	8.09	7.79	7.62
3870.1	4060.1	8.40	8.09	7.94
3990.1	4180.1	8.49	8.19	8.02
4130.1	4320.1	8.60	8.35	8.23
4250.1	4440.1	8.90	8.67	8.56
4370.1	4560.1	9.06	8.80	8.67
4510.1	4700.1	9.26	9.00	8.88
4630.1	4820.1	9.59	9.31	9.19
4770.1	4960.1	9.91	9.61	9.48
4890.1	5080.1	10.43	10.09	9.94
5030.1	5220.1	11.11	10.78	10.63

RF (IN) (MHz)	LO (MHz)	IP-3 INPUT (dBm) @LO (dBm)		
		+14	+17	+19
40.1	230.1	17.97	20.94	23.30
160.1	350.1	19.79	22.56	24.29
280.1	470.1	20.62	23.34	25.15
420.1	610.1	21.52	24.37	26.38
540.1	730.1	22.01	24.76	26.75
680.1	870.1	22.32	24.92	26.55
800.1	990.1	22.15	24.71	26.40
920.1	1110.1	21.69	24.45	26.40
1060.1	1250.1	21.79	24.91	27.23
1180.1	1370.1	23.01	26.54	29.03
1320.1	1510.1	23.67	26.84	28.74
1440.1	1630.1	22.94	25.63	27.53
1560.1	1750.1	22.50	25.05	27.02
1690.1	1880.1	22.43	25.06	27.10
1810.1	2000.1	22.12	24.88	26.90
1950.1	2140.1	22.43	25.34	27.42
2070.1	2260.1	22.14	25.22	27.39
2190.1	2380.1	22.25	24.81	26.78
2330.1	2520.1	21.54	23.78	25.45
2450.1	2640.1	21.03	23.30	24.99
2590.1	2780.1	20.65	23.06	24.76
2710.1	2900.1	20.94	23.41	25.15
2850.1	3040.1	21.21	23.84	25.54
2970.1	3160.1	22.01	24.99	27.08
3090.1	3280.1	21.63	24.61	26.57
3230.1	3420.1	22.44	25.60	27.73
3350.1	3540.1	22.53	25.68	27.78
3490.1	3680.1	22.51	25.62	27.60
3610.1	3800.1	23.16	26.33	28.52
3730.1	3920.1	23.14	26.34	28.56
3870.1	4060.1	22.10	25.30	27.51
3990.1	4180.1	21.64	24.75	26.93
4130.1	4320.1	21.80	25.17	27.54
4250.1	4440.1	21.00	24.40	26.65
4370.1	4560.1	20.51	24.30	26.94
4510.1	4700.1	20.03	23.95	26.68
4630.1	4820.1	18.80	22.58	25.12
4770.1	4960.1	18.45	22.09	24.43
4890.1	5080.1	17.61	21.16	23.43
5030.1	5220.1	17.18	20.60	22.86

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+14dBm (dB) @LO (dBm)		
		+14	+17	+19
40.1	230.1	2.03	1.54	1.27
160.1	350.1	1.35	0.67	0.40
280.1	470.1	1.24	0.65	0.44
420.1	610.1	1.00	0.51	0.35
540.1	730.1	0.89	0.52	0.38
680.1	870.1	0.75	0.43	0.32
800.1	990.1	0.71	0.39	0.27
920.1	1110.1	0.85	0.45	0.30
1060.1	1250.1	0.84	0.44	0.29
1180.1	1370.1	0.68	0.32	0.21
1320.1	1510.1	0.81	0.38	0.24
1440.1	1630.1	0.94	0.41	0.23
1560.1	1750.1	1.04	0.54	0.36
1690.1	1880.1	0.96	0.50	0.33
1810.1	2000.1	0.92	0.45	0.30
1950.1	2140.1	0.86	0.44	0.29
2070.1	2260.1	1.08	0.55	0.37
2190.1	2380.1	1.05	0.58	0.41
2330.1	2520.1	1.19	0.73	0.58
2450.1	2640.1	1.05	0.54	0.36
2590.1	2780.1	1.05	0.53	0.36
2710.1	2900.1	1.10	0.66	0.50
2850.1	3040.1	1.01	0.57	0.42
2970.1	3160.1	0.91	0.56	0.44
3090.1	3280.1	0.94	0.57	0.43
3230.1	3420.1	0.67	0.37	0.24
3350.1	3540.1	0.81	0.47	0.35
3490.1	3680.1	0.77	0.44	0.31
3610.1	3800.1	0.72	0.45	0.34
3730.1	3920.1	0.77	0.50	0.40
3870.1	4060.1	0.91	0.54	0.41
3990.1	4180.1	0.86	0.46	0.32
4130.1	4320.1	0.91	0.57	0.44
4250.1	4440.1	0.96	0.53	0.35
4370.1	4560.1	1.18	0.65	0.46
4510.1	4700.1	1.13	0.60	0.42
4630.1	4820.1	1.28	0.60	0.34
4770.1	4960.1	1.41	0.70	0.42
4890.1	5080.1	1.79	0.92	0.64
5030.1	5220.1	1.75	0.83	0.53

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3000MHz (dB) @LO (dBm) +17
2674.9	325.1	11.82
2544.9	455.1	10.82
2404.9	595.1	10.18
2274.9	725.1	9.75
2134.9	865.1	9.39
1994.9	1005.1	9.18
1864.9	1135.1	8.92
1724.9	1275.1	8.62
1584.9	1415.1	8.44
1454.9	1545.1	8.43
1314.9	1685.1	8.12
1174.9	1825.1	7.93
1044.9	1955.1	7.77
904.9	2095.1	7.71
774.9	2225.1	7.64
634.9	2365.1	7.61
494.9	2505.1	7.70
364.9	2635.1	7.80
224.9	2775.1	7.84
84.9	2915.1	7.79
10.0	3010.1	7.78
120.0	3120.1	7.73
230.0	3230.1	7.76
350.0	3350.1	7.80
460.0	3460.1	7.77
570.0	3570.1	7.68
690.0	3690.1	7.64
800.0	3800.1	7.59
910.0	3910.1	7.64
1030.0	4030.1	7.86
1140.0	4140.1	8.12
1250.0	4250.1	8.36
1370.0	4370.1	8.72
1480.0	4480.1	8.93
1590.0	4590.1	9.18
1710.0	4710.1	9.50
1820.0	4820.1	9.76
1930.0	4930.1	10.11
2050.0	5050.1	10.37
2160.0	5160.1	10.64

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1690.1MHz (dB) @LO (dBm) +17
10.0	1700.1	7.00
80.0	1770.1	7.03
150.0	1840.1	7.07
220.0	1910.1	7.04
290.0	1980.1	7.09
360.0	2050.1	7.09
440.0	2130.1	7.17
510.0	2200.1	7.20
580.0	2270.1	7.29
650.0	2340.1	7.25
720.0	2410.1	7.33
790.0	2480.1	7.31
870.0	2560.1	7.29
940.0	2630.1	7.33
1010.0	2700.1	7.34
1080.0	2770.1	7.40
1150.0	2840.1	7.34
1230.0	2920.1	7.42
1300.0	2990.1	7.52
1370.0	3060.1	7.63
1440.0	3130.1	7.62
1510.0	3200.1	7.76
1580.0	3270.1	7.95
1660.0	3350.1	7.90
1730.0	3420.1	8.07
1800.0	3490.1	8.11
1870.0	3560.1	8.25
1940.0	3630.1	8.32
2020.0	3710.1	8.44
2090.0	3780.1	8.56
2160.0	3850.1	8.64
2230.0	3920.1	8.71
2300.0	3990.1	8.78
2370.0	4060.1	9.05
2450.0	4140.1	9.24
2520.0	4210.1	9.21
2590.0	4280.1	9.44
2660.0	4350.1	9.78
2730.0	4420.1	10.04
2810.0	4500.1	10.39

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=4310.1MHz (dB) @LO (dBm) +17
2180.0	2130.1	10.43
2130.0	2180.1	9.94
2070.0	2240.1	9.93
2020.0	2290.1	9.88
1960.0	2350.1	9.79
1910.0	2400.1	9.80
1850.0	2460.1	9.67
1800.0	2510.1	9.59
1740.0	2570.1	9.47
1680.0	2630.1	9.45
1630.0	2680.1	9.34
1570.0	2740.1	9.27
1520.0	2790.1	9.15
1460.0	2850.1	9.12
1410.0	2900.1	9.01
1350.0	2960.1	8.96
1290.0	3020.1	8.84
1240.0	3070.1	8.78
1180.0	3130.1	8.70
1130.0	3180.1	8.65
1070.0	3240.1	8.52
1020.0	3290.1	8.51
960.0	3350.1	8.49
910.0	3400.1	8.46
850.0	3460.1	8.50
790.0	3520.1	8.47
740.0	3570.1	8.49
680.0	3630.1	8.48
630.0	3680.1	8.48
570.0	3740.1	8.48
520.0	3790.1	8.41
460.0	3850.1	8.46
400.0	3910.1	8.41
350.0	3960.1	8.42
290.0	4020.1	8.38
240.0	4070.1	8.39
180.0	4130.1	8.44
130.0	4180.1	8.48
70.0	4240.1	8.53
10.0	4300.1	8.54

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB) @LO (dBm)			LO-IF ISOLATION (dB) @LO (dBm)		
	+14	+17	+19	+14	+17	+19
230.1	31.94	32.27	32.49	50.03	50.76	51.18
350.1	31.01	31.37	31.59	50.51	52.03	53.01
470.1	30.77	31.13	31.35	44.81	45.12	45.27
610.1	32.43	32.76	32.95	41.18	41.16	41.14
730.1	33.89	34.14	34.27	39.12	39.01	38.91
870.1	35.25	35.38	35.43	38.61	38.51	38.48
990.1	37.28	37.37	37.40	38.32	38.33	38.31
1110.1	37.84	37.79	37.74	38.39	38.46	38.49
1250.1	40.45	40.41	40.35	38.56	38.70	38.79
1370.1	42.11	42.11	42.09	38.51	38.71	38.83
1510.1	43.62	43.47	43.32	38.40	38.59	38.69
1630.1	44.91	44.73	44.58	37.59	37.71	37.78
1750.1	45.02	44.98	44.90	36.51	36.66	36.76
1880.1	46.83	47.00	47.09	35.46	35.59	35.67
2000.1	48.21	48.37	48.51	34.65	34.73	34.80
2140.1	44.69	44.87	45.02	33.60	33.71	33.77
2260.1	44.00	44.18	44.32	33.24	33.39	33.50
2380.1	44.31	44.56	44.76	33.24	33.40	33.51
2520.1	44.09	44.62	45.00	32.92	33.11	33.21
2640.1	45.81	46.25	46.56	33.29	33.53	33.64
2780.1	45.87	46.11	46.28	34.21	34.45	34.55
2900.1	46.98	47.29	47.56	34.31	34.46	34.51
3040.1	44.61	44.56	44.61	34.79	34.91	34.93
3160.1	41.86	41.76	41.74	35.50	35.49	35.42
3280.1	42.62	42.90	43.15	35.82	35.69	35.50
3420.1	41.75	41.77	41.78	35.57	35.35	35.08
3540.1	37.54	37.53	37.49	35.85	35.54	35.21
3680.1	33.68	33.46	33.31	35.88	35.49	35.14
3800.1	31.80	31.69	31.60	35.76	35.33	34.91
3920.1	30.09	29.97	29.92	35.98	35.67	35.39
4060.1	28.85	28.73	28.68	36.33	36.19	36.00
4180.1	27.93	27.82	27.79	36.27	36.25	36.20
4320.1	28.45	28.31	28.25	35.89	36.07	36.14
4440.1	27.97	27.77	27.69	35.04	35.24	35.34
4560.1	29.39	29.23	29.19	34.65	34.85	35.12
4700.1	29.94	29.80	29.73	35.14	35.31	35.43
4820.1	29.93	29.83	29.79	35.58	35.73	35.85
4960.1	30.16	30.13	30.12	36.32	36.39	36.43
5080.1	31.09	31.04	31.01	36.60	36.50	36.49
5220.1	31.99	32.15	32.23	36.85	36.52	36.34

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB) @LO (dBm)		
		+14	+17	+19
40.1	230.1	26.70	25.94	25.63
160.1	350.1	36.74	35.31	34.69
280.1	470.1	34.42	35.38	35.91
420.1	610.1	28.89	29.71	30.30
540.1	730.1	27.38	28.16	28.72
680.1	870.1	27.55	28.73	29.60
800.1	990.1	29.49	31.64	33.37
920.1	1110.1	31.02	34.23	37.13
1060.1	1250.1	30.65	33.16	35.08
1180.1	1370.1	29.51	31.02	31.93
1320.1	1510.1	28.45	29.67	30.41
1440.1	1630.1	28.48	29.80	30.67
1560.1	1750.1	28.94	30.14	30.94
1690.1	1880.1	29.67	30.67	31.27
1810.1	2000.1	30.36	31.14	31.60
1950.1	2140.1	32.50	33.20	33.54
2070.1	2260.1	34.73	35.73	35.90
2190.1	2380.1	38.97	38.87	37.81
2330.1	2520.1	42.09	39.34	37.17
2450.1	2640.1	41.18	37.50	35.42
2590.1	2780.1	42.05	38.05	35.95
2710.1	2900.1	42.30	38.01	35.94
2850.1	3040.1	43.88	39.33	37.08
2970.1	3160.1	43.21	39.23	37.29
3090.1	3280.1	43.43	39.66	37.76
3230.1	3420.1	42.05	39.05	37.51
3350.1	3540.1	41.05	38.51	37.20
3490.1	3680.1	38.45	36.45	35.36
3610.1	3800.1	35.63	34.20	33.46
3730.1	3920.1	33.88	32.71	32.10
3870.1	4060.1	32.45	31.22	30.57
3990.1	4180.1	30.66	29.57	29.01
4130.1	4320.1	29.54	28.59	28.02
4250.1	4440.1	29.34	28.33	27.74
4370.1	4560.1	29.68	28.58	27.93
4510.1	4700.1	29.87	29.02	28.49
4630.1	4820.1	30.02	29.29	28.83
4770.1	4960.1	29.79	29.33	29.02
4890.1	5080.1	30.15	29.85	29.65
5030.1	5220.1	30.74	30.58	30.43

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1) @LO (dBm)		
		+14	+17	+19
40.1	230.1	3.86	3.62	3.58
160.1	350.1	1.40	1.35	1.32
280.1	470.1	1.34	1.29	1.25
420.1	610.1	1.32	1.25	1.21
540.1	730.1	1.26	1.19	1.15
680.1	870.1	1.18	1.12	1.10
800.1	990.1	1.15	1.09	1.07
920.1	1110.1	1.14	1.06	1.02
1060.1	1250.1	1.21	1.13	1.08
1180.1	1370.1	1.29	1.21	1.16
1320.1	1510.1	1.39	1.30	1.25
1440.1	1630.1	1.41	1.33	1.28
1560.1	1750.1	1.35	1.28	1.25
1690.1	1880.1	1.28	1.23	1.22
1810.1	2000.1	1.23	1.20	1.19
1950.1	2140.1	1.21	1.19	1.20
2070.1	2260.1	1.26	1.22	1.22
2190.1	2380.1	1.37	1.34	1.34
2330.1	2520.1	1.52	1.51	1.51
2450.1	2640.1	1.61	1.60	1.61
2590.1	2780.1	1.66	1.65	1.66
2710.1	2900.1	1.65	1.65	1.66
2850.1	3040.1	1.59	1.59	1.60
2970.1	3160.1	1.54	1.54	1.55
3090.1	3280.1	1.47	1.47	1.48
3230.1	3420.1	1.37	1.38	1.39
3350.1	3540.1	1.35	1.37	1.39
3490.1	3680.1	1.36	1.39	1.43
3610.1	3800.1	1.43	1.48	1.52
3730.1	3920.1	1.46	1.53	1.58
3870.1	4060.1	1.48	1.56	1.63
3990.1	4180.1	1.50	1.59	1.66
4130.1	4320.1	1.53	1.63	1.70
4250.1	4440.1	1.51	1.61	1.69
4370.1	4560.1	1.50	1.61	1.68
4510.1	4700.1	1.52	1.64	1.72
4630.1	4820.1	1.57	1.70	1.79
4770.1	4960.1	1.73	1.87	1.95
4890.1	5080.1	1.96	2.11	2.21
5030.1	5220.1	2.30	2.47	2.58

LO (MHz)	LO VSWR (:1) @LO (dBm)		
	+14	+17	+19
230.1	5.46	5.45	5.44
350.1	4.79	4.77	4.77
470.1	4.54	4.52	4.51
610.1	4.42	4.41	4.40
730.1	4.35	4.34	4.32
870.1	4.29	4.28	4.27
990.1	4.24	4.23	4.22
1110.1	4.16	4.15	4.13
1250.1	4.07	4.06	4.05
1370.1	3.97	3.96	3.96
1510.1	3.79	3.78	3.77
1630.1	3.64	3.64	3.63
1750.1	3.50	3.50	3.49
1880.1	3.34	3.34	3.33
2000.1	3.26	3.26	3.25
2140.1	3.24	3.25	3.25
2260.1	3.27	3.27	3.27
2380.1	3.30	3.30	3.29
2520.1	3.38	3.39	3.39
2640.1	3.41	3.42	3.42
2780.1	3.40	3.38	3.36
2900.1	3.37	3.37	3.35
3040.1	3.28	3.28	3.28
3160.1	3.15	3.15	3.14
3280.1	3.00	2.99	2.98
3420.1	2.81	2.81	2.81
3540.1	2.62	2.61	2.60
3680.1	2.40	2.40	2.39
3800.1	2.20	2.20	2.19
3920.1	1.98	1.98	1.97
4060.1	1.80	1.79	1.79
4180.1	1.71	1.71	1.72
4320.1	1.73	1.73	1.74
4440.1	1.89	1.90	1.91
4560.1	2.09	2.11	2.12
4700.1	2.33	2.33	2.33
4820.1	2.57	2.58	2.58
4960.1	2.79	2.79	2.80
5080.1	2.91	2.90	2.89
5220.1	3.03	3.04	3.04

IF (OUT) (MHz)	IF VSWR @LO=4500MHz (:1) @LO (dBm)		
	+14	+17	+19
100.1	1.73	1.56	1.48
115.1	1.71	1.55	1.46
135.1	1.72	1.57	1.48
150.1	1.70	1.54	1.46
170.1	1.72	1.56	1.48
190.1	1.71	1.55	1.47
205.1	1.68	1.52	1.44
225.1	1.67	1.52	1.44
240.1	1.68	1.53	1.44
260.1	1.66	1.52	1.43
275.1	1.64	1.49	1.41
295.1	1.61	1.47	1.39
315.1	1.59	1.45	1.38
330.1	1.61	1.46	1.39
350.1	1.59	1.45	1.37
365.1	1.55	1.42	1.34
385.1	1.53	1.40	1.33
405.1	1.50	1.37	1.30
420.1	1.51	1.38	1.30
440.1	1.51	1.38	1.31
455.1	1.47	1.34	1.27
475.1	1.44	1.32	1.25
490.1	1.44	1.32	1.25
510.1	1.42	1.30	1.23
530.1	1.41	1.29	1.22
545.1	1.39	1.27	1.20
565.1	1.37	1.25	1.18
580.1	1.35	1.23	1.17
600.1	1.33	1.21	1.15
620.1	1.32	1.21	1.14
635.1	1.32	1.20	1.14
655.1	1.29	1.18	1.12
670.1	1.26	1.16	1.09
690.1	1.24	1.13	1.07
710.1	1.23	1.12	1.06
725.1	1.23	1.13	1.07
745.1	1.22	1.12	1.06
760.1	1.20	1.10	1.05
780.1	1.17	1.08	1.05
800.1	1.16	1.07	1.04

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	----	----	-4.16	1.78	23.42	18.35	15.65	53.13	44.89	56.18	----	----
1	----	31.89	----	34.97	25.47	45.61	42.02	58.19	68.71	86.78	75.44	----
2	128.82	63.28	71.73	74.31	86.04	77.28	82.01	90.04	85.21	92.62	93.76	89.12
3	128.18	100.13	97.14	97.13	88.69	96.31	98.52	99.36	99.65	96.97	94.13	93.99
4	130.78	99.98	100.01	99.58	99.56	102.90	100.34	100.69	99.91	97.95	96.53	94.35
5	126.75	96.75	97.88	98.64	98.20	99.36	100.74	100.69	99.97	97.78	97.89	95.35
6	125.84	96.25	97.29	98.33	100.24	99.33	101.00	101.77	100.05	101.49	99.97	97.29
7	123.52	93.73	92.84	96.23	97.75	100.48	100.41	100.96	99.37	100.99	101.05	100.14
8	117.62	85.49	92.17	95.55	95.47	99.51	100.50	100.27	102.54	100.64	100.43	100.35
9	119.64	----	91.22	92.48	94.97	97.02	100.04	99.93	100.10	102.39	98.93	99.40
10	120.16	----	----	90.66	94.19	94.49	95.46	95.88	100.61	97.87	99.98	100.24
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 3000 MHz; -15 dBm.
LO IN: 3190 MHz; +17.00 dBm
IF OUT: 190 MHz; -22.55 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	----	----	6.03	12.00	34.25	27.51	24.80	63.62	54.81	67.04	----	----
1	----	31.39	----	34.79	25.54	44.67	42.99	53.43	68.79	83.85	75.73	----
2	117.82	53.03	61.55	64.10	75.23	67.07	72.30	77.66	74.50	104.21	97.76	94.72
3	118.36	96.06	79.09	78.56	68.35	78.81	82.29	90.29	107.01	87.87	105.75	103.59
4	119.05	109.72	110.79	101.73	101.06	98.32	104.24	110.60	109.16	110.11	105.43	105.43
5	116.92	108.08	108.77	111.14	109.52	111.76	108.80	110.41	110.81	109.49	104.56	106.36
6	114.18	105.12	105.59	110.50	109.18	110.14	112.44	112.84	111.50	109.63	110.12	106.15
7	113.02	102.98	104.34	106.85	110.65	110.23	111.30	112.03	112.71	111.58	111.97	108.30
8	104.75	96.06	102.82	104.63	107.44	111.38	111.79	109.36	110.82	112.29	109.60	109.04
9	110.06	----	102.52	103.87	105.25	106.19	108.88	110.09	110.65	111.05	112.92	109.50
10	110.30	----	----	100.61	104.75	105.21	107.32	107.62	110.87	111.39	111.69	111.25
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 3000 MHz; -5 dBm.
LO IN: 3190 MHz; +17.00 dBm
IF OUT: 190 MHz; -12.53 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 represent the Harmonics level of the RF input signal to the mixer.