

Frequency Mixer

SYM-ED17165/1

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=+14dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+14	+17	+20			+14	+17	+20			+14	+17	+20
10.1	40.1	5.70	5.35	5.16	10.1	40.1	26.68	26.93	28.92	10.1	40.1	-0.85	-0.86	-0.70
90.1	120.1	5.86	5.46	5.26	90.1	120.1	25.39	25.22	24.90	90.1	120.1	-0.74	-0.83	-0.66
180.1	210.1	6.07	5.62	5.38	180.1	210.1	22.64	23.36	25.42	180.1	210.1	-0.70	-0.80	-0.65
270.1	300.1	6.42	5.82	5.45	270.1	300.1	21.42	23.57	25.31	270.1	300.1	-0.67	-0.95	-0.82
350.1	380.1	6.42	5.75	5.46	350.1	380.1	23.38	24.98	26.92	350.1	380.1	-0.79	-1.08	-0.92
440.1	470.1	6.63	5.88	5.57	440.1	470.1	23.54	25.21	28.87	440.1	470.1	-0.83	-1.22	-1.07
530.1	560.1	6.72	5.96	5.63	530.1	560.1	23.02	25.09	29.85	530.1	560.1	-0.74	-1.30	-1.18
610.1	640.1	6.63	6.01	5.73	610.1	640.1	24.43	27.56	34.08	610.1	640.1	-0.52	-1.30	-1.15
700.1	730.1	6.76	6.17	5.91	700.1	730.1	26.12	31.03	30.75	700.1	730.1	-0.35	-1.15	-1.07
790.1	820.1	6.90	6.33	6.06	790.1	820.1	26.85	31.51	29.74	790.1	820.1	-0.12	-1.04	-0.94
870.1	900.1	7.12	6.42	6.13	870.1	900.1	28.23	28.21	27.41	870.1	900.1	-0.16	-0.89	-0.83
960.1	990.1	6.92	6.26	5.99	960.1	990.1	26.98	26.08	25.83	960.1	990.1	-0.24	-0.93	-0.87
1050.1	1080.1	6.66	6.09	5.86	1050.1	1080.1	27.10	25.91	26.10	1050.1	1080.1	-0.32	-1.02	-0.91
1130.1	1160.1	6.69	6.20	6.00	1130.1	1160.1	27.86	26.51	26.34	1130.1	1160.1	-0.22	-0.84	-0.74
1220.1	1250.1	6.77	6.27	6.09	1220.1	1250.1	28.21	27.41	26.86	1220.1	1250.1	-0.19	-0.77	-0.67
1310.1	1340.1	6.64	6.15	5.95	1310.1	1340.1	31.07	27.89	27.31	1310.1	1340.1	-0.11	-0.97	-0.86
1400.1	1430.1	6.61	6.09	5.89	1400.1	1430.1	27.21	29.28	27.77	1400.1	1430.1	-0.12	-1.12	-1.01
1480.1	1510.1	6.84	6.23	5.99	1480.1	1510.1	24.17	32.58	28.31	1480.1	1510.1	-0.18	-1.10	-0.98
1570.1	1600.1	7.26	6.51	6.20	1570.1	1600.1	22.59	31.46	29.11	1570.1	1600.1	-0.17	-1.02	-0.91
1660.1	1690.1	7.72	6.85	6.46	1660.1	1690.1	22.10	29.26	29.63	1660.1	1690.1	-0.13	-0.94	-0.87
1740.1	1770.1	8.05	7.08	6.63	1740.1	1770.1	22.41	29.27	29.77	1740.1	1770.1	-0.07	-0.97	-0.93
1830.1	1860.1	8.13	7.16	6.69	1830.1	1860.1	24.10	27.88	27.30	1830.1	1860.1	-0.06	-1.17	-1.13
1920.1	1950.1	8.28	7.27	6.79	1920.1	1950.1	25.20	25.43	25.05	1920.1	1950.1	-0.13	-1.19	-1.16
2000.1	2030.1	8.31	7.34	6.86	2000.1	2030.1	23.48	23.48	23.46	2000.1	2030.1	-0.18	-1.22	-1.18
2090.1	2120.1	7.96	7.09	6.67	2090.1	2120.1	21.90	21.89	22.14	2090.1	2120.1	-0.44	-1.51	-1.43
2180.1	2210.1	7.77	6.98	6.59	2180.1	2210.1	21.27	21.36	21.61	2180.1	2210.1	-0.56	-1.62	-1.52
2260.1	2290.1	7.79	7.02	6.63	2260.1	2290.1	20.93	21.08	21.22	2260.1	2290.1	-0.76	-1.69	-1.56
2350.1	2380.1	7.68	6.99	6.62	2350.1	2380.1	20.04	20.41	20.71	2350.1	2380.1	-0.90	-1.68	-1.59
2440.1	2470.1	7.71	7.02	6.68	2440.1	2470.1	19.68	20.23	20.76	2440.1	2470.1	-0.99	-1.67	-1.52
2530.1	2560.1	7.83	7.17	6.83	2530.1	2560.1	20.01	20.40	21.05	2530.1	2560.1	-1.04	-1.57	-1.46
2610.1	2640.1	7.98	7.31	6.99	2610.1	2640.1	20.89	21.16	21.79	2610.1	2640.1	-0.99	-1.44	-1.28
2700.1	2730.1	8.21	7.54	7.19	2700.1	2730.1	21.32	21.53	22.11	2700.1	2730.1	-0.93	-1.27	-1.20
2790.1	2820.1	8.43	7.73	7.36	2790.1	2820.1	21.03	21.27	21.89	2790.1	2820.1	-0.84	-1.16	-1.11
2870.1	2900.1	8.74	8.05	7.68	2870.1	2900.1	22.01	22.09	22.71	2870.1	2900.1	-0.80	-1.01	-0.92
2960.1	2990.1	9.28	8.50	8.11	2960.1	2990.1	23.58	23.75	23.99	2960.1	2990.1	-0.89	-0.89	-0.70
3050.1	3080.1	9.74	8.81	8.31	3050.1	3080.1	23.06	24.65	24.56	3050.1	3080.1	-1.04	-1.02	-0.80
3130.1	3160.1	10.11	9.05	8.49	3130.1	3160.1	21.41	25.66	25.54	3130.1	3160.1	-1.16	-1.29	-0.97
3220.1	3250.1	10.64	9.49	8.91	3220.1	3250.1	20.73	26.98	27.55	3220.1	3250.1	-1.11	-1.20	-0.82
3310.1	3340.1	11.29	10.01	9.35	3310.1	3340.1	20.40	27.93	28.76	3310.1	3340.1	-0.99	-1.00	-0.66
3400.1	3430.1	11.92	10.45	9.67	3400.1	3430.1	19.29	28.12	28.87	3400.1	3430.1	-0.79	-0.87	-0.59

Frequency Mixer

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1505.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1220.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1790.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+17			+17			+17
1495.0	10.1	7.69	10.0	1230.1	7.47	1780.0	10.1	8.21
1425.0	80.1	7.61	60.0	1280.1	7.72	1740.0	50.1	8.14
1345.0	160.1	7.50	120.0	1340.1	7.56	1690.0	100.1	8.22
1275.0	230.1	7.47	170.0	1390.1	7.68	1650.0	140.1	8.04
1195.0	310.1	7.35	230.0	1450.1	7.57	1600.0	190.1	8.01
1125.0	380.1	7.24	290.0	1510.1	7.53	1560.0	230.1	7.95
1045.0	460.1	7.17	340.0	1560.1	7.61	1510.0	280.1	7.77
965.0	540.1	7.15	400.0	1620.1	7.58	1470.0	320.1	7.75
895.0	610.1	7.00	460.0	1680.1	7.70	1420.0	370.1	7.77
815.0	690.1	6.97	510.0	1730.1	7.65	1380.0	410.1	7.69
745.0	760.1	6.97	570.0	1790.1	7.87	1330.0	460.1	7.74
665.0	840.1	7.00	630.0	1850.1	7.94	1290.0	500.1	7.70
585.0	920.1	6.90	680.0	1900.1	8.10	1240.0	550.1	7.62
515.0	990.1	6.83	740.0	1960.1	8.33	1190.0	600.1	7.63
435.0	1070.1	6.89	790.0	2010.1	8.41	1150.0	640.1	7.55
365.0	1140.1	6.94	850.0	2070.1	8.44	1100.0	690.1	7.56
285.0	1220.1	6.97	910.0	2130.1	8.39	1060.0	730.1	7.50
205.0	1300.1	7.01	960.0	2180.1	8.46	1010.0	780.1	7.56
135.0	1370.1	7.12	1020.0	2240.1	8.42	970.0	820.1	7.51
55.0	1450.1	7.16	1080.0	2300.1	8.62	920.0	870.1	7.60
15.0	1520.1	7.06	1130.0	2350.1	8.63	880.0	910.1	7.59
105.0	1610.1	7.14	1190.0	2410.1	8.81	830.0	960.1	7.56
205.0	1710.1	7.29	1250.0	2470.1	8.89	790.0	1000.1	7.63
305.0	1810.1	7.45	1300.0	2520.1	9.01	740.0	1050.1	7.58
405.0	1910.1	7.76	1360.0	2580.1	9.14	700.0	1090.1	7.73
495.0	2000.1	7.98	1420.0	2640.1	9.20	650.0	1140.1	7.69
595.0	2100.1	8.11	1470.0	2690.1	9.32	600.0	1190.1	7.86
695.0	2200.1	8.11	1530.0	2750.1	9.40	560.0	1230.1	7.88
795.0	2300.1	8.11	1580.0	2800.1	9.55	510.0	1280.1	8.02
895.0	2400.1	8.05	1640.0	2860.1	9.75	470.0	1320.1	8.04
985.0	2490.1	8.06	1700.0	2920.1	9.77	420.0	1370.1	8.27
1085.0	2590.1	8.08	1750.0	2970.1	10.12	380.0	1410.1	8.21
1185.0	2690.1	8.12	1810.0	3030.1	10.09	330.0	1460.1	8.47
1285.0	2790.1	8.17	1870.0	3090.1	10.36	290.0	1500.1	8.50
1385.0	2890.1	8.20	1920.0	3140.1	10.53	240.0	1550.1	8.64
1475.0	2980.1	8.27	1980.0	3200.1	10.51	200.0	1590.1	8.76
1575.0	3080.1	8.41	2040.0	3260.1	11.01	150.0	1640.1	8.86
1675.0	3180.1	8.59	2090.0	3310.1	10.87	110.0	1680.1	8.97
1775.0	3280.1	8.71	2150.0	3370.1	11.87	60.0	1730.1	9.12
1875.0	3380.1	8.87	2210.0	3430.1	11.42	10.0	1780.1	9.21



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IF/RF MICROWAVE COMPONENTS

REV. X1

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+14	+17	+20	+14	+17	+20
40.1	40.85	43.93	46.96	43.65	46.55	48.74
120.1	40.77	43.52	45.37	43.86	46.25	46.94
210.1	40.87	42.52	43.15	44.30	45.10	43.94
300.1	40.75	41.51	41.53	44.47	43.08	41.29
380.1	41.88	42.81	41.63	44.86	41.96	40.01
470.1	43.15	43.80	41.81	44.19	41.01	38.89
560.1	45.95	45.21	42.22	43.91	40.53	38.38
640.1	51.21	45.36	41.23	42.75	39.44	37.30
730.1	56.17	44.24	40.00	42.17	38.41	36.18
820.1	61.06	44.16	39.60	42.59	38.06	35.63
900.1	55.00	44.03	39.07	45.53	38.71	35.36
990.1	48.07	42.53	38.34	50.30	40.01	35.86
1080.1	44.37	40.56	37.51	50.10	40.53	36.21
1160.1	41.35	38.89	36.78	47.18	40.46	36.67
1250.1	39.37	37.45	35.85	45.52	40.74	37.07
1340.1	38.36	36.57	35.27	44.40	41.16	37.58
1430.1	38.13	36.39	35.05	43.20	41.20	38.03
1510.1	38.68	36.74	35.36	42.36	40.89	38.05
1600.1	39.13	37.42	36.00	41.49	39.82	37.28
1690.1	38.53	37.65	36.54	40.72	38.63	36.36
1770.1	37.09	37.07	36.55	39.99	37.77	35.43
1860.1	34.78	35.75	35.86	38.97	36.76	34.62
1950.1	32.32	33.56	34.17	37.68	35.89	33.90
2030.1	30.32	31.71	32.61	36.13	34.87	33.41
2120.1	28.50	30.01	31.11	34.78	33.81	32.74
2210.1	27.07	28.65	29.88	33.78	32.81	31.94
2290.1	26.19	27.78	29.09	32.74	32.09	31.37
2380.1	25.51	27.08	28.46	31.60	31.23	30.68
2470.1	25.22	26.81	28.12	30.53	30.36	30.00
2560.1	25.19	26.76	27.93	29.40	29.32	29.12
2640.1	25.36	26.81	27.76	28.47	28.42	28.23
2730.1	25.78	27.15	27.92	27.71	27.85	27.76
2820.1	26.27	27.45	28.07	27.00	27.33	27.39
2900.1	26.71	27.80	28.39	26.51	27.07	27.36
2990.1	27.11	28.09	28.64	25.93	26.75	27.35
3080.1	27.35	28.29	28.84	25.36	26.34	27.17
3160.1	27.47	28.45	29.00	24.82	26.02	27.01
3250.1	27.56	28.41	28.80	24.07	25.38	26.47
3340.1	27.69	28.36	28.68	23.41	24.80	26.00
3430.1	27.80	28.36	28.63	22.78	24.32	25.63

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+14	+17	+20
10.1	40.1	39.29	40.16	41.71
90.1	120.1	39.85	41.28	43.26
180.1	210.1	41.52	43.09	45.31
270.1	300.1	42.46	43.87	46.44
350.1	380.1	44.91	47.10	49.58
440.1	470.1	46.50	49.27	50.87
530.1	560.1	49.55	52.11	49.52
610.1	640.1	54.27	50.76	46.92
700.1	730.1	53.77	48.39	45.54
790.1	820.1	47.74	45.33	43.68
870.1	900.1	45.32	43.27	41.71
960.1	990.1	43.88	41.89	40.29
1050.1	1080.1	43.18	41.14	39.61
1130.1	1160.1	42.00	40.69	38.99
1220.1	1250.1	41.91	41.35	39.67
1310.1	1340.1	43.01	43.80	43.09
1400.1	1430.1	45.09	47.52	47.64
1480.1	1510.1	45.08	47.50	49.08
1570.1	1600.1	41.64	42.85	43.75
1660.1	1690.1	39.02	39.59	40.23
1740.1	1770.1	37.76	37.93	38.17
1830.1	1860.1	37.71	37.67	37.83
1920.1	1950.1	37.83	37.80	37.97
2000.1	2030.1	38.26	38.03	38.05
2090.1	2120.1	38.91	38.96	39.39
2180.1	2210.1	39.77	39.96	40.97
2260.1	2290.1	40.05	40.66	41.64
2350.1	2380.1	40.06	40.91	41.85
2440.1	2470.1	39.79	41.00	41.83
2530.1	2560.1	38.66	39.33	40.09
2610.1	2640.1	37.35	37.33	37.60
2700.1	2730.1	36.56	35.71	35.45
2790.1	2820.1	35.85	34.65	33.99
2870.1	2900.1	34.92	33.51	32.78
2960.1	2990.1	33.98	32.53	31.64
3050.1	3080.1	32.94	31.81	30.91
3130.1	3160.1	32.10	31.31	30.46
3220.1	3250.1	31.04	30.65	30.00
3310.1	3340.1	30.06	29.97	29.51
3400.1	3430.1	29.16	29.38	29.05

Frequency Mixer

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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=1820MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+14	+17	+20		+14	+17	+20		+14	+17	+20
10.1	40.1	1.36	1.22	1.15	40.1	1.10	1.57	2.39	10.1	1.58	1.06	1.08
90.1	120.1	1.42	1.26	1.14	120.1	1.14	1.51	2.24	50.1	1.51	1.13	1.07
180.1	210.1	1.51	1.34	1.24	210.1	1.20	1.49	2.18	100.1	1.50	1.13	1.10
270.1	300.1	1.62	1.47	1.37	300.1	1.28	1.48	2.13	140.1	1.51	1.16	1.11
350.1	380.1	1.74	1.58	1.47	380.1	1.29	1.43	2.06	190.1	1.47	1.15	1.15
440.1	470.1	1.93	1.73	1.61	470.1	1.36	1.42	2.03	240.1	1.49	1.18	1.18
530.1	560.1	2.19	1.95	1.83	560.1	1.40	1.38	1.96	280.1	1.43	1.18	1.22
610.1	640.1	2.31	2.09	1.98	640.1	1.49	1.36	1.91	330.1	1.44	1.21	1.24
700.1	730.1	2.44	2.23	2.12	730.1	1.62	1.37	1.84	370.1	1.40	1.21	1.27
790.1	820.1	2.61	2.39	2.27	820.1	1.73	1.37	1.75	420.1	1.39	1.23	1.29
870.1	900.1	2.72	2.49	2.36	900.1	1.79	1.35	1.66	470.1	1.37	1.23	1.29
960.1	990.1	2.75	2.51	2.37	990.1	1.87	1.33	1.55	510.1	1.36	1.24	1.31
1050.1	1080.1	2.81	2.55	2.40	1080.1	1.93	1.32	1.45	560.1	1.34	1.22	1.29
1130.1	1160.1	2.79	2.52	2.37	1160.1	1.98	1.29	1.37	600.1	1.32	1.24	1.31
1220.1	1250.1	2.79	2.50	2.33	1250.1	2.01	1.26	1.29	650.1	1.31	1.21	1.28
1310.1	1340.1	2.72	2.41	2.24	1340.1	2.02	1.22	1.24	700.1	1.29	1.21	1.28
1400.1	1430.1	2.69	2.34	2.16	1430.1	2.00	1.19	1.25	740.1	1.26	1.18	1.26
1480.1	1510.1	2.68	2.34	2.15	1510.1	1.94	1.16	1.30	790.1	1.22	1.16	1.26
1570.1	1600.1	2.66	2.34	2.15	1600.1	1.83	1.16	1.40	840.1	1.21	1.11	1.21
1660.1	1690.1	2.61	2.33	2.16	1690.1	1.70	1.20	1.52	880.1	1.18	1.11	1.23
1740.1	1770.1	2.58	2.33	2.18	1770.1	1.58	1.25	1.61	930.1	1.19	1.05	1.18
1830.1	1860.1	2.50	2.28	2.14	1860.1	1.46	1.32	1.73	970.1	1.16	1.07	1.21
1920.1	1950.1	2.34	2.13	2.00	1950.1	1.35	1.40	1.84	1020.1	1.19	1.04	1.17
2000.1	2030.1	2.09	1.91	1.79	2030.1	1.27	1.47	1.94	1070.1	1.17	1.09	1.21
2090.1	2120.1	1.83	1.66	1.55	2120.1	1.22	1.55	2.06	1110.1	1.20	1.11	1.20
2180.1	2210.1	1.62	1.47	1.36	2210.1	1.22	1.66	2.19	1160.1	1.23	1.16	1.24
2260.1	2290.1	1.45	1.32	1.22	2290.1	1.28	1.76	2.32	1200.1	1.26	1.19	1.26
2350.1	2380.1	1.34	1.23	1.15	2380.1	1.37	1.88	2.44	1250.1	1.33	1.25	1.31
2440.1	2470.1	1.31	1.23	1.20	2470.1	1.48	1.99	2.56	1300.1	1.36	1.29	1.35
2530.1	2560.1	1.36	1.33	1.32	2560.1	1.60	2.11	2.65	1340.1	1.41	1.34	1.38
2610.1	2640.1	1.47	1.45	1.47	2640.1	1.70	2.19	2.69	1390.1	1.44	1.38	1.42
2700.1	2730.1	1.60	1.61	1.63	2730.1	1.86	2.33	2.80	1440.1	1.54	1.47	1.50
2790.1	2820.1	1.75	1.77	1.80	2820.1	2.02	2.48	2.93	1480.1	1.53	1.45	1.47
2870.1	2900.1	1.89	1.90	1.94	2900.1	2.19	2.63	3.07	1530.1	1.63	1.56	1.58
2960.1	2990.1	2.03	2.03	2.05	2990.1	2.37	2.78	3.20	1570.1	1.63	1.55	1.56
3050.1	3080.1	2.18	2.15	2.15	3080.1	2.54	2.91	3.29	1620.1	1.72	1.65	1.67
3130.1	3160.1	2.31	2.24	2.22	3160.1	2.66	2.98	3.33	1670.1	1.76	1.68	1.69
3220.1	3250.1	2.49	2.39	2.34	3250.1	2.81	3.05	3.35	1710.1	1.81	1.74	1.75
3310.1	3340.1	2.68	2.53	2.45	3340.1	2.97	3.12	3.34	1760.1	1.86	1.78	1.78
3400.1	3430.1	2.85	2.64	2.54	3430.1	3.15	3.20	3.34	1800.1	1.90	1.82	1.81

Frequency Mixer

SYM-ED17165/1

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	----	----	17.5	10.1	24.4	22.8	25.6	42.2	27.6	43.5	44.1	55.0
1	----	38.0	----	49.1	14.3	44.3	28.9	48.1	48.6	46.7	55.1	66.7
2	-100.8	54.5	60.3	61.8	57.4	52.0	64.7	55.4	60.8	68.4	58.2	63.0
3	-112.3	84.4	77.6	84.2	64.7	82.4	59.5	89.1	62.9	89.0	74.8	91.4
4	-110.9	102.9	97.4	96.6	92.1	87.9	87.9	92.0	94.7	99.1	102.7	96.6
5	-111.3	102.9	103.0	104.5	98.7	102.8	101.2	102.7	101.2	103.7	97.7	103.4
6	-111.6	104.8	103.9	104.6	104.7	102.2	102.4	101.5	103.6	102.0	104.1	104.0
7	-112.1	102.6	103.9	103.7	104.2	102.1	101.1	102.4	101.4	102.1	104.1	104.2
8	-114.0	103.1	104.7	102.6	104.3	103.7	103.6	104.1	101.4	103.8	100.4	102.1
9	-111.2	102.4	104.3	101.7	105.5	101.7	103.8	103.8	102.2	101.0	102.9	99.8
10	-108.9	102.1	102.8	102.1	102.9	103.1	105.0	103.1	102.2	101.2	100.4	103.7
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1505 MHz; 0 dBm.

LO IN: 1535 MHz; +17.00 dBm

IF OUT: 30 MHz; -6.50 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	----	----	26.7	20.7	36.6	35.6	40.0	53.2	48.2	63.3	60.4	74.5
1	----	38.7	----	48.9	14.7	46.0	31.0	52.1	63.5	51.6	58.5	76.2
2	-85.8	45.9	49.9	56.3	45.2	44.8	52.1	49.5	52.0	74.8	51.1	61.9
3	-97.6	70.8	44.9	65.4	55.9	83.4	43.8	64.7	49.1	64.0	63.5	64.1
4	-106.1	69.1	83.0	59.0	69.5	57.2	76.3	56.2	86.8	59.7	75.8	67.8
5	-107.5	80.8	65.3	89.0	58.5	78.8	55.3	71.6	54.0	72.0	57.8	84.3
6	-106.1	89.2	99.3	82.6	97.9	72.6	79.4	67.8	73.0	72.4	79.4	83.1
7	-105.1	87.6	91.4	93.7	82.0	95.4	74.0	88.9	71.9	92.5	80.1	88.2
8	-105.7	103.9	92.5	99.3	102.5	90.8	107.2	82.7	96.4	80.7	92.6	81.5
9	-104.8	114.0	108.1	101.5	103.7	113.4	97.5	109.9	88.6	101.7	84.0	90.7
10	-103.5	111.6	112.5	112.6	101.1	109.3	108.4	104.8	113.2	100.8	101.0	94.5
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1505 MHz;+10 dBm.

LO IN: 1535 MHz; +17.00 dBm

IF OUT: 30 MHz; 3.47 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.