

Frequency Mixer

SYM-ED14689/1

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30.1MHz (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
40.1	10.0	6.89	6.24	5.90	40.1	10.0	26.00	28.11	31.80	40.1	10.0	-0.04	-0.01	-0.02
110.1	80.0	6.86	6.27	5.95	110.1	80.0	31.50	30.79	29.85	110.1	80.0	-0.05	-0.03	-0.01
180.1	150.0	6.99	6.42	6.10	180.1	150.0	27.91	27.55	26.08	180.1	150.0	-0.07	-0.05	-0.03
250.1	220.0	6.96	6.41	6.10	250.1	220.0	24.24	23.17	23.68	250.1	220.0	-0.07	-0.07	-0.05
320.1	290.0	7.10	6.51	6.15	320.1	290.0	21.68	21.35	23.64	320.1	290.0	-0.10	-0.10	-0.07
390.1	360.0	7.27	6.65	6.15	390.1	360.0	21.02	21.20	25.46	390.1	360.0	-0.18	-0.16	-0.06
460.1	430.0	7.26	6.63	6.11	460.1	430.0	19.72	21.18	25.47	460.1	430.0	-0.20	-0.18	-0.06
530.1	500.0	7.50	6.77	6.08	530.1	500.0	19.07	21.33	27.63	530.1	500.0	-0.30	-0.22	-0.04
600.1	570.0	7.54	6.77	6.10	600.1	570.0	19.03	21.76	29.96	600.1	570.0	-0.34	-0.23	-0.04
670.1	640.0	7.65	6.77	6.09	670.1	640.0	19.04	22.38	28.59	670.1	640.0	-0.38	-0.17	-0.03
740.1	710.0	7.63	6.65	6.01	740.1	710.0	19.00	23.16	28.17	740.1	710.0	-0.36	-0.13	-0.02
810.1	780.0	7.78	6.71	6.01	810.1	780.0	18.76	23.34	28.20	810.1	780.0	-0.42	-0.14	-0.01
880.1	850.0	7.62	6.61	6.03	880.1	850.0	19.55	24.12	26.47	880.1	850.0	-0.32	-0.07	0.00
960.1	930.0	7.62	6.67	6.16	960.1	930.0	19.80	24.41	27.53	960.1	930.0	-0.27	-0.08	-0.03
1030.1	1000.0	7.58	6.67	6.13	1030.1	1000.0	20.34	24.27	27.41	1030.1	1000.0	-0.23	-0.07	-0.01
1100.1	1070.0	7.43	6.59	6.17	1100.1	1070.0	21.62	25.69	26.37	1100.1	1070.0	-0.14	-0.03	0.00
1170.1	1140.0	7.19	6.49	6.16	1170.1	1140.0	23.53	24.44	25.09	1170.1	1140.0	-0.09	-0.04	0.01
1240.1	1210.0	7.21	6.53	6.19	1240.1	1210.0	24.17	24.08	24.33	1240.1	1210.0	-0.05	-0.02	0.00
1310.1	1280.0	7.03	6.43	6.20	1310.1	1280.0	24.69	23.85	24.20	1310.1	1280.0	-0.02	-0.02	0.01
1380.1	1350.0	6.82	6.30	6.02	1380.1	1350.0	23.56	23.51	24.46	1380.1	1350.0	-0.02	-0.02	-0.01
1450.1	1420.0	6.90	6.35	6.12	1450.1	1420.0	21.77	23.76	25.04	1450.1	1420.0	-0.01	-0.01	0.00
1520.1	1490.0	6.88	6.30	6.05	1520.1	1490.0	21.06	23.48	24.21	1520.1	1490.0	-0.01	-0.01	-0.01
1590.1	1560.0	6.83	6.28	6.04	1590.1	1560.0	21.34	23.45	24.84	1590.1	1560.0	0.03	0.01	0.01
1660.1	1630.0	6.95	6.35	6.08	1660.1	1630.0	21.55	23.13	24.74	1660.1	1630.0	0.03	0.00	0.00
1730.1	1700.0	7.14	6.40	6.10	1730.1	1700.0	22.12	22.88	24.87	1730.1	1700.0	0.00	0.00	0.00
1800.1	1770.0	7.28	6.50	6.17	1800.1	1770.0	23.26	24.25	25.27	1800.1	1770.0	0.00	0.00	0.01
1880.1	1850.0	7.54	6.68	6.32	1880.1	1850.0	25.86	28.26	27.98	1880.1	1850.0	-0.02	0.01	0.01
1950.1	1920.0	7.98	6.94	6.51	1950.1	1920.0	27.60	31.78	32.33	1950.1	1920.0	-0.07	-0.01	0.00
2020.1	1990.0	8.33	7.10	6.59	2020.1	1990.0	24.96	31.43	31.17	2020.1	1990.0	-0.11	-0.02	-0.01
2090.1	2060.0	8.46	7.25	6.71	2090.1	2060.0	24.57	30.22	31.16	2090.1	2060.0	-0.13	-0.03	-0.01
2160.1	2130.0	8.82	7.50	6.91	2160.1	2130.0	24.48	28.18	29.62	2160.1	2130.0	-0.15	-0.05	-0.03
2230.1	2200.0	9.23	7.65	6.98	2230.1	2200.0	22.77	26.85	28.20	2230.1	2200.0	-0.21	-0.04	-0.02
2300.1	2270.0	9.18	7.69	7.01	2300.1	2270.0	22.78	27.06	27.44	2300.1	2270.0	-0.27	-0.07	-0.02
2370.1	2340.0	9.14	7.74	7.08	2370.1	2340.0	22.24	26.02	27.07	2370.1	2340.0	-0.29	-0.11	-0.04
2440.1	2410.0	9.33	7.73	7.06	2440.1	2410.0	21.90	25.53	26.50	2440.1	2410.0	-0.33	-0.11	-0.04
2510.1	2480.0	9.15	7.57	6.93	2510.1	2480.0	22.91	25.73	26.74	2510.1	2480.0	-0.32	-0.10	-0.03
2580.1	2550.0	8.80	7.38	6.82	2580.1	2550.0	21.52	23.36	24.33	2580.1	2550.0	-0.24	-0.06	-0.01
2650.1	2620.0	8.72	7.24	6.72	2650.1	2620.0	20.60	22.09	23.04	2650.1	2620.0	-0.25	-0.04	0.02
2720.1	2690.0	8.42	7.05	6.58	2720.1	2690.0	21.85	23.06	24.15	2720.1	2690.0	-0.19	0.00	0.04
2800.1	2770.0	8.18	7.00	6.62	2800.1	2770.0	20.49	21.44	22.50	2800.1	2770.0	-0.11	0.04	0.05

Frequency Mixer

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1420.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=40.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2800.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+17			+17			+17
1410.0	10.1	6.87	15.0	55.1	6.31	2790.0	10.1	7.57
1340.0	80.1	6.96	75.0	115.1	6.40	2720.0	80.1	7.43
1270.0	150.1	6.96	145.0	185.1	6.37	2650.0	150.1	7.26
1200.0	220.1	6.96	215.0	255.1	6.41	2580.0	220.1	7.12
1130.0	290.1	6.99	285.0	325.1	6.47	2510.0	290.1	7.00
1060.0	360.1	7.06	355.0	395.1	6.51	2440.0	360.1	7.01
990.0	430.1	6.99	425.0	465.1	6.52	2370.0	430.1	6.95
920.0	500.1	7.00	495.0	535.1	6.59	2300.0	500.1	6.95
840.0	580.1	6.89	565.0	605.1	6.67	2230.0	570.1	7.00
770.0	650.1	6.82	635.0	675.1	6.65	2160.0	640.1	7.04
695.0	725.1	6.82	705.0	745.1	6.70	2080.0	720.1	7.04
625.0	795.1	6.74	775.0	815.1	6.73	2010.0	790.1	7.08
555.0	865.1	6.79	845.0	885.1	6.82	1940.0	860.1	7.16
485.0	935.1	6.75	915.0	955.1	6.81	1870.0	930.1	7.20
415.0	1005.1	6.74	985.0	1025.1	6.80	1800.0	1000.1	7.23
345.0	1075.1	6.64	1055.0	1095.1	6.84	1730.0	1070.1	7.29
265.0	1155.1	6.62	1125.0	1165.1	6.85	1660.0	1140.1	7.25
195.0	1225.1	6.54	1195.0	1235.1	6.83	1590.0	1210.1	7.24
125.0	1295.1	6.50	1265.0	1305.1	6.86	1520.0	1280.1	7.31
55.0	1365.1	6.40	1335.0	1375.1	6.90	1450.0	1350.1	7.36
10.0	1430.1	6.41	1405.0	1445.1	6.92	1365.0	1435.1	7.40
70.0	1490.1	6.40	1475.0	1515.1	6.99	1295.0	1505.1	7.46
140.0	1560.1	6.40	1545.0	1585.1	7.09	1225.0	1575.1	7.54
210.0	1630.1	6.42	1615.0	1655.1	7.28	1155.0	1645.1	7.66
280.0	1700.1	6.41	1685.0	1725.1	7.39	1085.0	1715.1	7.59
350.0	1770.1	6.37	1755.0	1795.1	7.60	1015.0	1785.1	7.59
420.0	1840.1	6.39	1825.0	1865.1	7.85	945.0	1855.1	7.58
490.0	1910.1	6.44	1895.0	1935.1	7.90	875.0	1925.1	7.64
550.0	1970.1	6.47	1965.0	2005.1	7.90	805.0	1995.1	7.66
620.0	2040.1	6.62	2035.0	2075.1	7.95	735.0	2065.1	7.59
690.0	2110.1	6.85	2105.0	2145.1	7.86	655.0	2145.1	7.54
760.0	2180.1	7.00	2175.0	2215.1	7.78	585.0	2215.1	7.52
830.0	2250.1	7.29	2245.0	2285.1	7.79	515.0	2285.1	7.41
900.0	2320.1	7.58	2315.0	2355.1	7.76	445.0	2355.1	7.30
970.0	2390.1	7.79	2385.0	2425.1	7.74	375.0	2425.1	7.17
1040.0	2460.1	7.85	2455.0	2495.1	7.71	305.0	2495.1	7.14
1100.0	2520.1	7.92	2525.0	2565.1	7.69	235.0	2565.1	6.98
1170.0	2590.1	7.99	2595.0	2635.1	7.74	165.0	2635.1	6.97
1240.0	2660.1	7.97	2665.0	2705.1	7.76	95.0	2705.1	7.02
1310.0	2730.1	7.86	2735.0	2775.1	7.70	15.0	2785.1	7.04

Frequency Mixer

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)			RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)					@LO (dBm)		
	+14	+17	+20	+14	+17	+20			+14	+17	+20
10.1	30.96	34.15	38.08	39.81	44.21	48.35	40.1	10.1	33.04	32.99	36.10
80.1	31.12	34.23	37.57	40.25	45.25	49.50	110.1	80.1	32.72	32.26	39.18
150.1	31.38	34.52	37.48	40.14	45.15	47.32	180.1	150.1	32.26	32.21	35.68
220.1	31.52	34.35	36.45	40.41	44.76	44.72	250.1	220.1	32.21	32.55	37.96
290.1	31.77	34.12	35.34	40.51	44.38	42.45	320.1	290.1	32.47	33.19	36.88
360.1	31.78	33.78	34.71	40.93	44.51	41.52	390.1	360.1	33.06	33.54	38.93
430.1	31.90	33.53	34.04	41.71	43.66	40.09	460.1	430.1	33.47	33.59	37.23
500.1	31.92	32.78	33.79	42.21	43.30	41.38	530.1	500.1	33.49	33.37	34.47
570.1	32.11	32.86	33.67	43.10	42.43	39.92	600.1	570.1	33.82	33.06	33.98
640.1	32.41	32.63	33.81	43.75	42.22	40.52	670.1	640.1	34.05	32.95	32.45
710.1	32.68	33.01	33.69	44.28	41.18	39.51	740.1	710.1	33.80	32.58	32.91
780.1	33.15	33.77	34.12	44.69	41.53	39.68	810.1	780.1	33.97	33.03	32.17
850.1	33.64	33.99	34.69	45.69	41.95	39.43	880.1	850.1	34.40	33.23	31.99
930.1	34.66	34.78	34.76	46.92	41.46	37.84	960.1	930.1	34.88	32.70	30.59
1000.1	36.13	35.90	35.80	48.59	40.99	38.33	1030.1	1000.1	34.90	32.68	31.04
1070.1	37.38	36.94	35.91	46.65	40.16	36.60	1100.1	1070.1	34.72	33.35	29.68
1140.1	38.54	38.53	36.22	46.19	40.95	36.81	1170.1	1140.1	37.39	35.63	29.29
1210.1	39.36	39.68	36.73	49.37	42.42	36.53	1240.1	1210.1	40.82	37.59	31.23
1280.1	40.92	41.51	36.54	61.30	44.36	36.40	1310.1	1280.1	41.83	37.70	28.02
1350.1	43.42	43.59	38.05	53.75	44.26	36.91	1380.1	1350.1	38.91	35.91	30.91
1420.1	46.27	44.78	37.71	47.14	42.62	36.11	1450.1	1420.1	37.07	35.31	26.31
1490.1	49.26	45.26	39.76	44.73	42.36	37.55	1520.1	1490.1	36.57	35.36	31.71
1560.1	53.09	46.59	40.04	42.72	41.31	36.22	1590.1	1560.1	36.83	35.28	29.26
1630.1	51.90	49.31	42.40	41.90	41.75	37.40	1660.1	1630.1	39.03	36.90	33.07
1700.1	47.66	51.98	43.92	40.84	41.92	37.30	1730.1	1700.1	41.52	37.42	31.81
1770.1	45.19	57.24	46.64	39.89	41.32	38.54	1800.1	1770.1	45.05	38.77	34.21
1850.1	43.14	53.75	54.13	39.08	40.39	39.22	1880.1	1850.1	38.56	37.40	35.95
1920.1	41.36	48.34	65.44	38.46	39.43	38.49	1950.1	1920.1	34.26	34.46	34.36
1990.1	39.78	44.47	50.42	37.94	38.92	39.04	2020.1	1990.1	31.07	31.50	32.67
2060.1	38.46	41.72	46.62	37.18	38.01	38.50	2090.1	2060.1	29.27	29.97	30.97
2130.1	37.39	38.91	41.57	37.00	38.14	39.17	2160.1	2130.1	27.81	28.58	29.22
2200.1	37.53	37.34	39.23	36.58	38.20	39.25	2230.1	2200.1	26.69	27.41	28.42
2270.1	36.98	36.33	37.22	36.17	38.24	39.63	2300.1	2270.1	25.53	26.16	26.69
2340.1	36.13	35.58	35.75	36.16	38.34	39.93	2370.1	2340.1	24.86	25.39	25.85
2410.1	36.05	35.10	34.87	36.45	39.15	41.15	2440.1	2410.1	24.36	24.93	25.12
2480.1	35.34	34.46	34.42	36.75	40.01	42.03	2510.1	2480.1	23.94	24.51	24.64
2550.1	34.22	33.44	33.41	37.26	41.44	44.70	2580.1	2550.1	23.63	24.22	24.38
2620.1	33.72	32.76	32.93	37.48	42.31	45.66	2650.1	2620.1	23.21	23.82	23.75
2690.1	32.74	31.95	31.88	37.57	43.25	51.36	2720.1	2690.1	22.95	23.55	23.89
2770.1	31.41	31.18	31.82	37.58	43.70	49.29	2800.1	2770.1	22.80	23.40	23.26

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=2770.1MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+14	+17	+20		+14	+17	+20		+14	+17	+20
40.1	10.1	1.14	1.04	1.12	10.1	1.10	1.70	2.59	10.1	1.64	1.30	1.17
110.1	80.1	1.14	1.03	1.12	80.1	1.04	1.64	2.43	20.1	1.66	1.32	1.19
180.1	150.1	1.18	1.08	1.08	150.1	1.06	1.60	2.34	35.1	1.68	1.34	1.21
250.1	220.1	1.20	1.09	1.04	220.1	1.09	1.64	2.40	45.1	1.69	1.35	1.21
320.1	290.1	1.23	1.11	1.04	290.1	1.13	1.67	2.44	60.1	1.69	1.34	1.21
390.1	360.1	1.29	1.16	1.06	360.1	1.18	1.63	2.34	70.1	1.68	1.34	1.20
460.1	430.1	1.33	1.21	1.11	430.1	1.21	1.65	2.32	85.1	1.67	1.33	1.20
530.1	500.1	1.37	1.25	1.12	500.1	1.25	1.68	2.37	95.1	1.67	1.34	1.21
600.1	570.1	1.46	1.32	1.17	570.1	1.31	1.66	2.31	110.1	1.69	1.36	1.23
670.1	640.1	1.57	1.42	1.26	640.1	1.35	1.65	2.28	120.1	1.71	1.38	1.24
740.1	710.1	1.56	1.39	1.24	710.1	1.39	1.67	2.33	135.1	1.72	1.38	1.25
810.1	780.1	1.71	1.50	1.31	780.1	1.43	1.65	2.26	145.1	1.72	1.39	1.25
880.1	850.1	1.79	1.59	1.41	850.1	1.48	1.64	2.20	160.1	1.73	1.39	1.26
960.1	930.1	1.82	1.60	1.44	930.1	1.50	1.62	2.18	170.1	1.73	1.39	1.26
1030.1	1000.1	1.89	1.65	1.46	1000.1	1.56	1.60	2.12	185.1	1.72	1.39	1.27
1100.1	1070.1	1.99	1.74	1.58	1070.1	1.60	1.57	2.06	195.1	1.73	1.41	1.28
1170.1	1140.1	1.91	1.69	1.55	1140.1	1.65	1.57	2.03	210.1	1.76	1.44	1.31
1240.1	1210.1	1.98	1.76	1.62	1210.1	1.78	1.59	1.99	220.1	1.78	1.45	1.32
1310.1	1280.1	2.05	1.83	1.67	1280.1	1.89	1.60	1.91	235.1	1.79	1.45	1.32
1380.1	1350.1	1.95	1.74	1.59	1350.1	1.97	1.61	1.86	245.1	1.79	1.45	1.32
1450.1	1420.1	2.00	1.77	1.60	1420.1	2.09	1.63	1.85	260.1	1.78	1.45	1.32
1520.1	1490.1	1.97	1.73	1.58	1490.1	2.22	1.65	1.77	270.1	1.78	1.46	1.33
1590.1	1560.1	1.85	1.63	1.48	1560.1	2.24	1.65	1.71	285.1	1.80	1.48	1.35
1660.1	1630.1	1.92	1.66	1.53	1630.1	2.32	1.66	1.68	300.1	1.82	1.50	1.37
1730.1	1700.1	1.93	1.64	1.49	1700.1	2.43	1.67	1.62	310.1	1.83	1.51	1.38
1800.1	1770.1	1.91	1.65	1.51	1770.1	2.41	1.67	1.58	320.1	1.85	1.53	1.39
1880.1	1850.1	1.93	1.70	1.57	1850.1	2.36	1.64	1.53	335.1	1.87	1.53	1.39
1950.1	1920.1	1.97	1.73	1.60	1920.1	2.42	1.63	1.49	345.1	1.86	1.53	1.38
2020.1	1990.1	2.00	1.76	1.64	1990.1	2.49	1.64	1.45	360.1	1.85	1.52	1.38
2090.1	2060.1	2.11	1.89	1.78	2060.1	2.35	1.59	1.41	370.1	1.86	1.53	1.39
2160.1	2130.1	2.13	1.91	1.79	2130.1	2.35	1.55	1.36	385.1	1.89	1.56	1.42
2230.1	2200.1	2.11	1.88	1.78	2200.1	2.47	1.57	1.32	395.1	1.90	1.58	1.44
2300.1	2270.1	2.11	1.90	1.80	2270.1	2.37	1.52	1.27	410.1	1.92	1.59	1.44
2370.1	2340.1	2.03	1.84	1.74	2340.1	2.32	1.49	1.23	420.1	1.92	1.59	1.44
2440.1	2410.1	1.97	1.76	1.67	2410.1	2.41	1.50	1.19	435.1	1.93	1.59	1.44
2510.1	2480.1	1.95	1.74	1.66	2480.1	2.40	1.50	1.14	445.1	1.93	1.59	1.44
2580.1	2550.1	1.84	1.65	1.58	2550.1	2.32	1.47	1.11	460.1	1.94	1.59	1.44
2650.1	2620.1	1.70	1.53	1.49	2620.1	2.38	1.47	1.07	470.1	1.93	1.59	1.44
2720.1	2690.1	1.60	1.47	1.46	2690.1	2.36	1.46	1.04	485.1	1.94	1.61	1.46
2800.1	2770.1	1.50	1.40	1.42	2770.1	2.25	1.41	1.04	500.1	1.99	1.65	1.49

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	18.85	9.91	16.44	16.70	29.57	27.14	37.56	43.62	53.16	50.12
1	---	29.28	---	39.72	17.53	31.78	23.31	38.28	36.79	38.62	57.79	44.34
2	99.05	53.80	51.35	53.92	60.29	55.55	49.85	49.38	60.24	59.41	57.32	63.68
3	123.16	67.32	56.02	71.06	54.09	72.54	53.07	78.83	59.09	72.81	68.17	71.74
4	123.47	81.25	80.28	79.72	82.58	77.98	80.88	89.77	80.73	73.64	80.71	80.72
5	120.75	102.15	102.65	99.07	89.75	93.26	85.58	91.35	92.91	94.84	86.48	91.07
6	123.15	105.74	110.33	102.02	100.24	103.97	108.02	107.42	110.20	102.33	107.50	100.07
7	122.66	108.44	106.65	110.15	106.76	105.82	107.05	110.81	106.85	109.74	109.11	109.46
8	120.85	105.17	107.57	107.34	110.67	114.52	107.01	114.25	115.64	104.00	107.19	111.02
9	123.44	105.16	108.49	110.72	112.49	108.69	110.91	107.65	112.44	108.10	109.08	109.07
10	119.22	106.46	108.32	109.39	104.52	109.02	108.04	107.75	106.23	111.44	110.41	106.09
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1420.10 MHz; -1.00 dBm.
 LO IN: 1390.10 MHz; +17.00 dBm
 IF OUT: 30 MHz; -7.18 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	27.79	20.11	27.66	30.47	38.63	41.87	48.26	57.20	47.87	61.07
1	---	28.99	---	41.66	15.46	35.65	24.02	44.72	38.76	48.47	62.89	56.29
2	79.39	47.89	46.99	63.81	49.90	46.91	41.36	40.72	64.89	51.25	62.91	70.95
3	119.42	45.81	35.83	49.83	37.79	54.91	38.38	60.61	50.29	55.75	68.34	56.40
4	123.74	59.28	56.30	66.11	61.01	59.12	63.19	56.34	63.00	57.06	65.78	63.95
5	120.04	73.67	66.14	73.92	54.21	64.74	49.37	63.25	50.67	80.79	56.20	81.77
6	122.74	78.74	80.78	70.68	71.86	82.27	76.28	67.14	68.15	73.40	73.79	57.18
7	121.13	79.67	80.76	87.38	75.04	80.10	69.72	71.28	65.03	68.53	66.17	68.88
8	123.46	93.79	89.93	88.08	91.52	76.94	78.50	83.67	83.92	81.08	79.82	78.49
9	119.08	93.75	92.41	87.77	103.42	92.32	90.81	84.08	82.45	84.63	76.46	79.65
10	127.19	97.34	107.46	97.03	92.04	89.73	94.92	82.86	96.39	90.36	89.59	87.67
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1420.10 MHz; 9.00 dBm.
 LO IN: 1390.10 MHz; +17.00 dBm
 IF OUT: 30 MHz; 2.82 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