

Frequency Mixer

SYM-30DLHW

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)			RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+5dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+7	+10	+13			+7	+10	+13			+7	+10	+13
5.1	35.1	7.09	6.58	6.26	10.1	40.1	17.61	21.13	24.65	10.1	40.1	0.31	0.09	0.00
8.1	38.1	7.00	6.49	6.13	110.4	140.4	17.92	21.25	24.22	110.4	140.4	0.25	0.06	-0.01
10.1	40.1	6.97	6.41	6.12	210.6	240.6	17.87	21.66	24.78	210.6	240.6	0.22	0.03	-0.05
110.4	140.4	7.11	6.57	6.26	310.9	340.9	17.96	21.49	24.25	310.9	340.9	0.16	0.02	-0.02
210.6	240.6	7.17	6.61	6.29	411.2	441.2	18.16	21.56	24.21	411.2	441.2	0.14	0.02	-0.03
310.9	340.9	7.27	6.69	6.36	511.4	541.4	17.81	20.88	23.63	511.4	541.4	0.16	0.08	0.01
411.2	441.2	7.29	6.68	6.34	611.7	641.7	18.23	21.02	23.74	611.7	641.7	0.18	0.10	0.00
511.4	541.4	7.32	6.69	6.35	712.0	742.0	17.74	20.37	22.69	712.0	742.0	0.26	0.15	0.04
611.7	641.7	7.38	6.75	6.38	812.2	842.2	17.88	20.53	23.24	812.2	842.2	0.32	0.18	0.07
712.0	742.0	7.40	6.75	6.39	912.5	942.5	17.20	19.57	21.16	912.5	942.5	0.37	0.21	0.10
812.2	842.2	7.42	6.78	6.42	1012.7	1042.7	17.11	19.03	19.65	1012.7	1042.7	0.36	0.19	0.10
912.5	942.5	7.47	6.82	6.46	1113.0	1143.0	16.76	18.19	18.52	1113.0	1143.0	0.33	0.16	0.09
1012.7	1042.7	7.45	6.79	6.46	1213.3	1243.3	16.81	18.38	18.72	1213.3	1243.3	0.35	0.16	0.09
1113.0	1143.0	7.42	6.76	6.43	1313.5	1343.5	16.68	18.70	19.50	1313.5	1343.5	0.37	0.16	0.09
1213.3	1243.3	7.42	6.78	6.45	1413.8	1443.8	16.78	19.28	20.53	1413.8	1443.8	0.38	0.15	0.07
1313.5	1343.5	7.38	6.77	6.44	1514.1	1544.1	17.37	19.75	21.11	1514.1	1544.1	0.37	0.15	0.06
1413.8	1443.8	7.45	6.77	6.46	1614.3	1644.3	17.66	20.31	21.51	1614.3	1644.3	0.33	0.12	0.04
1514.1	1544.1	7.49	6.80	6.47	1714.6	1744.6	17.98	21.18	23.19	1714.6	1744.6	0.33	0.14	0.04
1614.3	1644.3	7.60	6.89	6.53	1814.9	1844.9	17.62	20.39	23.55	1814.9	1844.9	0.31	0.12	0.04
1714.6	1744.6	7.76	6.99	6.60	1915.1	1945.1	17.57	20.01	22.71	1915.1	1945.1	0.24	0.10	0.04
1814.9	1844.9	7.95	7.16	6.75	2015.4	2045.4	17.56	19.68	22.33	2015.4	2045.4	0.23	0.09	0.03
1915.1	1945.1	8.25	7.40	6.93	2115.7	2145.7	18.05	19.62	20.92	2115.7	2145.7	0.22	0.10	0.07
2015.4	2045.4	8.48	7.60	7.09	2215.9	2245.9	16.32	17.28	17.70	2215.9	2245.9	0.24	0.13	0.08
2215.9	2245.9	8.86	7.88	7.25	2316.2	2346.2	14.42	15.25	15.89	2316.2	2346.2	0.32	0.19	0.14
2316.2	2346.2	8.76	7.84	7.28	2416.4	2446.4	13.25	14.08	14.81	2416.4	2446.4	0.43	0.28	0.22
2416.4	2446.4	8.63	7.76	7.23	2516.7	2546.7	12.98	13.76	14.47	2516.7	2546.7	0.50	0.32	0.26
2516.7	2546.7	8.42	7.68	7.21	2617.0	2647.0	12.95	13.78	14.42	2617.0	2647.0	0.56	0.37	0.30
2617.0	2647.0	8.33	7.61	7.21	2717.2	2747.2	13.05	13.93	14.59	2717.2	2747.2	0.65	0.43	0.34
2717.2	2747.2	8.32	7.64	7.24	2797.5	2827.5	13.09	14.13	14.83	2797.5	2827.5	0.57	0.37	0.29
2797.5	2827.5	8.35	7.70	7.33	2897.7	2927.7	13.68	14.79	15.64	2897.7	2927.7	0.55	0.34	0.25
2897.7	2927.7	8.42	7.79	7.43	2977.9	3007.9	14.00	15.31	16.21	2977.9	3007.9	0.52	0.32	0.24
2977.9	3007.9	8.46	7.86	7.53	3078.2	3108.2	14.39	15.80	16.79	3078.2	3108.2	0.49	0.28	0.21
3078.2	3108.2	8.58	8.02	7.69	3158.4	3188.4	14.65	16.32	17.41	3158.4	3188.4	0.45	0.24	0.18
3158.4	3188.4	8.73	8.20	7.87	3258.7	3288.7	15.25	17.12	18.33	3258.7	3288.7	0.44	0.24	0.17
3258.7	3288.7	8.89	8.42	8.12	3338.9	3368.9	15.56	17.76	19.20	3338.9	3368.9	0.45	0.23	0.17
3338.9	3368.9	9.06	8.60	8.34	3439.1	3469.1	16.13	18.64	19.80	3439.1	3469.1	0.43	0.18	0.14
3439.1	3469.1	9.36	8.90	8.66	3519.4	3549.4	16.63	19.16	19.85	3519.4	3549.4	0.47	0.23	0.15
3619.6	3649.6	9.90	9.43	9.16	3619.6	3649.6	16.94	19.65	19.59	3619.6	3649.6	0.39	0.14	0.08
3699.8	3729.8	10.21	9.71	9.39	3699.8	3729.8	17.12	20.08	19.47	3699.8	3729.8	0.40	0.12	0.04
3800.1	3830.1	10.66	10.17	9.79	3800.1	3830.1	17.29	20.45	20.13	3800.1	3830.1	0.44	0.13	0.06

Notes

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Frequency Mixer

SYM-30DLHW

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1500.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=10.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3000.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+10			+10			+10
1490.0	10.1	7.12	10.0	20.1	6.50	1500.0	1500.1	7.82
1449.5	50.6	7.12	50.8	60.9	6.40	1460.3	1539.8	7.89
1408.9	91.2	7.16	91.6	101.7	6.42	1420.5	1579.6	7.90
1368.4	131.7	7.04	132.5	142.6	6.35	1380.8	1619.3	7.92
1327.8	172.3	7.07	173.3	183.4	6.48	1341.1	1659.0	7.94
1287.3	212.8	7.08	214.1	224.2	6.41	1301.3	1698.8	7.95
1246.7	253.4	7.04	254.9	265.0	6.44	1261.6	1738.5	7.94
1206.2	293.9	7.08	295.8	305.9	6.45	1221.9	1778.2	7.93
1165.6	334.5	7.02	336.6	346.7	6.43	1182.1	1818.0	7.92
1125.1	375.0	6.93	377.4	387.5	6.47	1142.4	1857.7	7.94
1084.5	415.6	7.06	418.2	428.3	6.46	1102.7	1897.4	7.94
1044.0	456.1	7.03	459.0	469.1	6.49	1062.9	1937.2	7.92
1003.4	496.7	7.00	499.9	510.0	6.47	1023.2	1976.9	7.89
962.9	537.2	7.01	540.7	550.8	6.48	983.5	2016.6	7.85
922.3	577.8	7.01	581.5	591.6	6.49	943.7	2056.4	7.84
881.8	618.3	6.92	622.3	632.4	6.48	904.0	2096.1	7.82
841.2	658.9	6.97	663.2	673.3	6.56	864.3	2135.8	7.81
800.7	699.4	6.92	704.0	714.1	6.58	824.5	2175.6	7.77
760.1	740.0	6.93	744.8	754.9	6.58	784.8	2215.3	7.73
719.6	780.5	6.95	785.6	795.7	6.59	745.1	2255.0	7.70
679.0	821.1	6.90	826.4	836.5	6.61	705.3	2294.8	7.67
638.5	861.6	6.90	867.3	877.4	6.64	665.6	2334.5	7.62
597.9	902.2	6.92	908.1	918.2	6.64	625.9	2374.2	7.60
557.4	942.7	6.91	948.9	959.0	6.66	586.1	2414.0	7.53
516.8	983.3	6.85	989.7	999.8	6.70	546.4	2453.7	7.53
476.3	1023.8	6.82	1030.5	1040.6	6.68	506.7	2493.4	7.51
435.8	1064.3	6.81	1071.4	1081.5	6.70	466.9	2533.2	7.51
395.2	1104.9	6.76	1112.2	1122.3	6.70	427.2	2572.9	7.55
354.7	1145.4	6.74	1153.0	1163.1	6.70	387.5	2612.6	7.55
314.1	1186.0	6.72	1193.8	1203.9	6.73	347.7	2652.4	7.58
273.6	1226.5	6.71	1234.7	1244.8	6.74	308.0	2692.1	7.62
253.3	1246.8	6.74	1255.1	1265.2	6.74	268.3	2731.8	7.66
212.7	1287.4	6.74	1295.9	1306.0	6.76	228.5	2771.6	7.70
192.5	1307.6	6.75	1316.3	1326.4	6.76	188.8	2811.3	7.70
151.9	1348.2	6.75	1357.1	1367.2	6.79	149.1	2851.0	7.75
131.6	1368.5	6.74	1377.5	1387.6	6.80	129.2	2870.9	7.76
91.1	1409.0	6.71	1418.4	1428.5	6.85	89.5	2910.6	7.80
70.8	1429.3	6.73	1438.8	1448.9	6.88	69.6	2930.5	7.80
30.3	1469.8	6.73	1479.6	1489.7	6.93	29.9	2970.2	7.86
10.0	1490.1	6.86	1500.0	1510.1	6.94	10.0	2990.1	7.97

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Frequency Mixer

SYM-30DLHW

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)		
	+7	+10	+13	+7	+10	+13			+7	+10	+13
5.1	32.91	35.88	38.96	35.85	38.87	41.64	10.1	40.1	31.48	31.59	31.25
8.1	33.36	36.30	39.28	37.42	40.65	43.60	110.4	140.4	32.84	32.88	32.74
10.1	33.40	36.31	39.26	38.05	41.39	44.45	210.6	240.6	33.65	33.89	34.11
110.4	32.94	35.80	38.70	40.37	44.14	47.29	310.9	340.9	34.40	34.59	34.99
210.6	33.08	35.97	38.87	40.54	44.19	46.46	411.2	441.2	35.60	35.85	36.21
310.9	33.21	36.08	38.98	41.07	44.29	44.68	511.4	541.4	36.55	36.77	36.66
411.2	33.18	36.00	38.91	42.04	44.17	43.34	611.7	641.7	37.81	37.82	37.62
511.4	33.27	36.17	39.34	42.84	43.75	42.51	712.0	742.0	39.51	39.05	38.62
611.7	33.25	36.15	39.50	43.84	43.73	41.86	812.2	842.2	41.59	40.72	40.02
712.0	33.46	36.64	40.47	45.16	44.14	41.57	912.5	942.5	44.52	43.75	42.71
812.2	33.60	36.86	40.94	46.97	44.14	40.74	1012.7	1042.7	45.94	45.88	45.14
912.5	33.66	37.01	41.47	48.85	44.13	40.74	1113.0	1143.0	45.38	46.07	45.78
1012.7	34.06	37.70	42.90	52.25	45.12	41.23	1213.3	1243.3	44.08	44.91	45.00
1113.0	34.65	38.48	44.31	59.17	47.25	42.27	1313.5	1343.5	43.41	44.30	43.95
1213.3	34.99	38.66	44.27	56.63	49.26	43.42	1413.8	1443.8	42.47	43.05	42.49
1313.5	34.73	38.06	42.89	50.48	49.67	43.88	1514.1	1544.1	41.94	42.28	41.45
1413.8	34.24	37.78	42.78	46.66	49.21	44.62	1614.3	1644.3	41.25	41.47	41.22
1514.1	33.23	36.88	41.51	45.49	49.62	46.04	1714.6	1744.6	40.36	40.77	40.21
1614.3	32.36	36.12	40.31	45.45	49.34	47.92	1814.9	1844.9	39.04	40.17	40.20
1714.6	31.55	35.22	39.19	44.72	48.26	48.66	1915.1	1945.1	37.32	38.78	39.20
1814.9	30.95	34.49	38.07	44.19	47.43	49.17	2015.4	2045.4	35.93	37.16	37.80
1915.1	30.33	33.65	36.81	44.05	47.13	50.19	2115.7	2145.7	34.45	35.14	35.53
2015.4	29.75	32.75	35.54	44.35	47.35	51.25	2215.9	2245.9	33.30	33.50	33.59
2215.9	29.18	31.89	34.06	44.58	48.70	57.47	2316.2	2346.2	32.84	32.84	32.60
2316.2	29.13	31.89	34.29	45.67	50.48	62.19	2416.4	2446.4	32.35	32.29	32.20
2416.4	29.27	32.19	34.90	46.42	51.89	54.29	2516.7	2546.7	31.95	31.90	31.66
2516.7	29.49	32.57	35.36	47.09	50.40	48.82	2617.0	2647.0	31.40	31.52	31.52
2617.0	29.74	32.97	35.86	46.84	47.10	44.92	2717.2	2747.2	30.72	30.79	31.15
2717.2	29.94	33.10	35.66	46.32	44.81	42.24	2797.5	2827.5	30.33	30.23	30.61
2797.5	30.20	33.15	35.06	46.19	43.35	40.63	2897.7	2927.7	30.06	29.79	29.99
2897.7	30.48	33.05	34.17	45.09	41.41	39.03	2977.9	3007.9	29.86	29.40	29.24
2977.9	30.81	33.02	33.44	43.59	39.55	37.10	3078.2	3108.2	29.55	29.08	28.54
3078.2	31.21	32.94	32.71	42.01	38.03	35.73	3158.4	3188.4	29.32	28.88	28.37
3158.4	31.48	32.59	31.89	41.03	37.15	34.99	3258.7	3288.7	29.22	28.72	28.03
3258.7	31.56	31.80	30.76	39.31	36.38	34.42	3338.9	3368.9	29.09	28.69	27.96
3338.9	31.43	31.02	29.80	37.81	35.58	33.94	3439.1	3469.1	28.88	28.60	28.02
3439.1	31.07	30.12	28.79	36.18	34.69	33.60	3519.4	3549.4	28.70	28.54	28.01
3619.6	29.62	28.47	27.16	33.55	33.24	32.83	3619.6	3649.6	28.43	28.35	28.08
3699.8	28.75	27.59	26.54	32.55	32.67	32.59	3699.8	3729.8	28.39	28.23	27.92
3800.1	27.56	26.63	25.47	31.59	32.10	32.16	3800.1	3830.1	28.44	28.18	27.92

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Frequency Mixer

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=3000.1MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+7	+10	+13		+7	+10	+13		+7	+10	+13
5.1	35.1	1.22	1.13	1.12	5.1	1.14	1.62	2.31	10.0	2.19	1.89	1.61
8.1	38.1	1.21	1.09	1.07	8.1	1.11	1.63	2.33	49.7	1.87	1.61	1.50
10.1	40.1	1.20	1.08	1.06	10.1	1.10	1.62	2.32	89.5	1.89	1.62	1.51
110.4	140.4	1.12	1.02	1.05	110.4	1.09	1.59	2.24	129.2	1.95	1.68	1.52
210.6	240.6	1.16	1.06	1.04	210.6	1.14	1.59	2.22	168.9	1.87	1.61	1.49
310.9	340.9	1.23	1.13	1.08	310.9	1.18	1.57	2.18	208.7	1.91	1.65	1.49
411.2	441.2	1.30	1.19	1.14	411.2	1.24	1.56	2.14	248.4	1.89	1.63	1.49
511.4	541.4	1.37	1.26	1.21	511.4	1.29	1.53	2.08	288.1	1.87	1.61	1.45
611.7	641.7	1.48	1.36	1.29	611.7	1.35	1.52	2.03	327.9	1.87	1.61	1.44
712.0	742.0	1.57	1.44	1.36	712.0	1.41	1.50	1.96	367.6	1.87	1.61	1.45
812.2	842.2	1.65	1.51	1.43	812.2	1.46	1.47	1.89	407.3	1.88	1.62	1.43
912.5	942.5	1.74	1.58	1.50	912.5	1.53	1.45	1.82	447.1	1.89	1.62	1.44
1012.7	1042.7	1.80	1.64	1.55	1012.7	1.60	1.44	1.75	486.8	1.91	1.63	1.45
1113.0	1143.0	1.84	1.68	1.59	1113.0	1.66	1.43	1.67	526.5	1.90	1.63	1.44
1213.3	1243.3	1.85	1.68	1.60	1213.3	1.73	1.42	1.61	566.3	1.90	1.63	1.44
1313.5	1343.5	1.81	1.64	1.55	1313.5	1.76	1.39	1.53	606.0	1.92	1.64	1.46
1413.8	1443.8	1.77	1.58	1.48	1413.8	1.77	1.37	1.47	645.7	1.90	1.63	1.45
1514.1	1544.1	1.72	1.53	1.43	1514.1	1.76	1.34	1.40	685.5	1.90	1.62	1.45
1614.3	1644.3	1.66	1.48	1.38	1614.3	1.74	1.31	1.35	725.2	1.92	1.64	1.48
1714.6	1744.6	1.62	1.44	1.35	1714.6	1.70	1.28	1.32	764.9	1.91	1.64	1.46
1814.9	1844.9	1.61	1.46	1.38	1814.9	1.65	1.23	1.29	804.7	1.90	1.63	1.48
1915.1	1945.1	1.64	1.51	1.44	1915.1	1.60	1.18	1.28	844.4	1.92	1.65	1.52
2015.4	2045.4	1.66	1.54	1.49	2015.4	1.55	1.13	1.28	884.1	1.91	1.64	1.49
2215.9	2245.9	1.55	1.44	1.36	2215.9	1.45	1.05	1.32	923.9	1.88	1.62	1.52
2316.2	2346.2	1.41	1.31	1.25	2316.2	1.40	1.03	1.35	963.6	1.95	1.67	1.56
2416.4	2446.4	1.28	1.18	1.13	2416.4	1.35	1.05	1.39	1003.3	1.90	1.64	1.54
2516.7	2546.7	1.16	1.08	1.04	2516.7	1.30	1.08	1.43	1043.1	1.85	1.60	1.53
2617.0	2647.0	1.10	1.11	1.16	2617.0	1.26	1.12	1.47	1082.8	1.90	1.64	1.55
2717.2	2747.2	1.16	1.23	1.28	2717.2	1.21	1.15	1.50	1122.5	1.83	1.58	1.52
2797.5	2827.5	1.23	1.31	1.38	2797.5	1.18	1.18	1.52	1162.3	1.83	1.58	1.51
2897.7	2927.7	1.31	1.42	1.53	2897.7	1.14	1.22	1.57	1202.0	1.87	1.62	1.55
2977.9	3007.9	1.40	1.52	1.64	2977.9	1.12	1.25	1.59	1241.7	1.80	1.56	1.51
3078.2	3108.2	1.54	1.67	1.77	3078.2	1.11	1.29	1.62	1281.5	1.81	1.59	1.51
3158.4	3188.4	1.66	1.79	1.87	3158.4	1.12	1.32	1.65	1321.2	1.81	1.58	1.52
3258.7	3288.7	1.77	1.92	2.03	3258.7	1.14	1.36	1.67	1360.9	1.76	1.54	1.46
3338.9	3368.9	1.86	2.01	2.17	3338.9	1.17	1.40	1.70	1380.8	1.76	1.55	1.46
3439.1	3469.1	2.01	2.18	2.34	3439.1	1.20	1.44	1.74	1420.5	1.76	1.55	1.47
3619.6	3649.6	2.35	2.54	2.65	3619.6	1.29	1.54	1.82	1440.4	1.76	1.55	1.45
3699.8	3729.8	2.47	2.66	2.83	3699.8	1.33	1.57	1.85	1480.1	1.71	1.52	1.41
3800.1	3830.1	2.62	2.79	2.98	3800.1	1.40	1.63	1.90	1500.0	1.70	1.51	1.40

Notes

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- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
- C. The parts covered by this specification document are subject to Mini-Circuits' standard limited warranty and terms and conditions (collectively, "Standard Terms"). Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp



Frequency Mixer

SYM-30DLHW

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	7	14	21	18	27	30	33	47	28	39
1	-	44	+0	45	14	66	32	43	45	40	44	44
2	97	53	60	54	66	66	64	66	61	70	60	72
3	>100	>79	73	>79	>79	>79	>79	>79	>79	>79	>79	>79
4	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
5	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
6	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
7	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
8	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
9	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
10	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1500.1 MHz; -14.00 dBm.
 LO IN: 1530.01 MHz; +10.00 dBm
 IF OUT: 29.91 MHz; -21.02 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	18	24	33	29	39	41	42	56	41	53
1	-	44	+0	45	14	61	32	45	45	41	46	46
2	>100	43	51	45	57	54	55	58	53	62	52	67
3	>100	83	53	74	60	76	64	73	68	67	79	67
4	>100	>89	86	75	79	74	88	73	79	75	75	78
5	>100	>89	>89	>89	85	>89	79	>89	86	>89	88	>89
6	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
7	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
8	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
9	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
10	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1500.1 MHz; -4.00 dBm.
 LO IN: 1530.01 MHz; +10.00 dBm
 IF OUT: 29.91 MHz; -10.87 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.

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