

Frequency Mixer

SYM-ED16157/1

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=+5dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+7	+10	+13			+7	+10	+13			+7	+10	+13
10.1	40.1	5.40	4.73	5.04	10.1	40.1	25.57	27.04	26.99	10.1	40.1	0.60	0.43	-0.33
70.1	100.1	5.82	5.40	5.16	70.1	100.1	19.70	19.69	20.01	70.1	100.1	0.67	0.35	0.20
140.1	170.1	6.13	5.65	5.43	140.1	170.1	16.23	19.06	23.28	140.1	170.1	0.48	0.22	0.05
200.1	230.1	6.00	5.51	5.31	200.1	230.1	16.30	19.97	25.06	200.1	230.1	0.62	0.35	0.17
270.1	300.1	6.11	5.68	5.43	270.1	300.1	16.96	21.97	26.42	270.1	300.1	0.64	0.32	0.18
340.1	370.1	6.35	5.87	5.58	340.1	370.1	18.42	22.96	25.83	340.1	370.1	0.45	0.24	0.13
400.1	430.1	6.35	5.85	5.58	400.1	430.1	18.44	22.42	25.29	400.1	430.1	0.54	0.30	0.17
470.1	500.1	6.47	5.98	5.75	470.1	500.1	18.35	22.29	25.12	470.1	500.1	0.51	0.29	0.15
540.1	570.1	6.62	6.20	5.97	540.1	570.1	18.30	21.70	24.51	540.1	570.1	0.64	0.36	0.26
600.1	630.1	6.86	6.33	6.19	600.1	630.1	17.18	20.68	23.42	600.1	630.1	0.40	0.22	0.03
670.1	700.1	6.92	6.49	6.31	670.1	700.1	16.48	19.06	21.48	670.1	700.1	0.52	0.22	0.13
740.1	770.1	7.12	6.71	6.48	740.1	770.1	17.96	21.28	24.48	740.1	770.1	0.53	0.22	0.15
800.1	830.1	7.32	6.86	6.69	800.1	830.1	18.16	21.61	24.34	800.1	830.1	0.48	0.26	0.16
870.1	900.1	7.55	7.04	6.78	870.1	900.1	18.30	21.89	25.15	870.1	900.1	0.52	0.27	0.21
930.1	960.1	7.69	7.15	7.01	930.1	960.1	19.25	21.89	24.97	930.1	960.1	0.53	0.29	0.10
1000.1	1030.1	7.92	7.34	7.10	1000.1	1030.1	19.70	22.63	24.76	1000.1	1030.1	0.63	0.35	0.22
1070.1	1100.1	8.17	7.50	7.26	1070.1	1100.1	19.18	21.82	25.81	1070.1	1100.1	0.65	0.39	0.20
1130.1	1160.1	8.35	7.66	7.30	1130.1	1160.1	20.13	20.86	23.33	1130.1	1160.1	0.64	0.32	0.21
1200.1	1230.1	8.67	7.88	7.50	1200.1	1230.1	23.08	25.68	27.17	1200.1	1230.1	0.56	0.28	0.14
1270.1	1300.1	8.91	8.08	7.64	1270.1	1300.1	26.59	25.50	24.52	1270.1	1300.1	0.47	0.21	0.16
1330.1	1360.1	9.12	8.20	7.76	1330.1	1360.1	21.92	21.84	21.31	1330.1	1360.1	0.36	0.26	0.17
1400.1	1430.1	9.32	8.33	7.88	1400.1	1430.1	19.97	19.87	20.40	1400.1	1430.1	0.33	0.23	0.14
1470.1	1500.1	9.52	8.52	8.09	1470.1	1500.1	19.09	18.55	19.00	1470.1	1500.1	0.12	0.08	0.04
1530.1	1560.1	9.49	8.61	8.18	1530.1	1560.1	17.53	17.51	17.70	1530.1	1560.1	0.22	0.12	0.10
1600.1	1630.1	9.71	8.80	8.36	1600.1	1630.1	17.20	17.03	16.89	1600.1	1630.1	0.11	0.09	0.08
1670.1	1700.1	9.71	8.91	8.53	1670.1	1700.1	16.67	16.84	16.77	1670.1	1700.1	0.19	0.13	0.07
1730.1	1760.1	9.84	9.12	8.78	1730.1	1760.1	15.48	16.01	16.46	1730.1	1760.1	0.07	0.00	-0.05
1800.1	1830.1	9.92	9.18	8.81	1800.1	1830.1	15.02	15.40	16.31	1800.1	1830.1	0.15	0.06	0.04
1860.1	1890.1	10.06	9.36	9.01	1860.1	1890.1	15.12	15.37	16.19	1860.1	1890.1	0.10	0.07	0.04
1930.1	1960.1	10.17	9.59	9.28	1930.1	1960.1	14.85	15.36	16.13	1930.1	1960.1	0.21	0.08	0.04
2000.1	2030.1	10.30	9.69	9.37	2000.1	2030.1	14.87	15.48	16.16	2000.1	2030.1	0.15	0.06	0.03
2060.1	2090.1	10.36	9.71	9.41	2060.1	2090.1	15.18	15.77	16.18	2060.1	2090.1	0.21	0.16	0.08
2130.1	2160.1	10.61	10.02	9.70	2130.1	2160.1	15.47	16.16	16.13	2130.1	2160.1	0.13	0.02	-0.02
2200.1	2230.1	10.78	10.18	9.90	2200.1	2230.1	15.27	16.39	16.44	2200.1	2230.1	0.18	0.12	0.02
2260.1	2290.1	10.90	10.31	9.93	2260.1	2290.1	15.25	16.53	16.64	2260.1	2290.1	0.22	0.10	0.09
2330.1	2360.1	11.21	10.62	10.29	2330.1	2360.1	14.89	16.15	16.84	2330.1	2360.1	0.08	-0.02	-0.05
2400.1	2430.1	11.53	10.94	10.60	2400.1	2430.1	14.30	15.47	16.41	2400.1	2430.1	0.12	0.02	-0.01
2460.1	2490.1	11.64	11.05	10.67	2460.1	2490.1	14.07	15.13	16.21	2460.1	2490.1	0.13	0.01	-0.01
2530.1	2560.1	11.96	11.35	10.98	2530.1	2560.1	14.04	15.06	16.22	2530.1	2560.1	0.22	0.12	0.08
2600.1	2630.1	12.38	11.78	11.47	2600.1	2630.1	14.12	14.91	16.07	2600.1	2630.1	0.21	0.14	0.08

Frequency Mixer

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=272.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=25.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=520.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+10			+10			+10
262.0	10.1	5.40	15.0	40.1	6.00	510.0	10.1	6.78
252.0	20.1	5.34	75.0	100.1	5.83	500.0	20.1	6.80
237.0	35.1	5.36	145.0	170.1	6.11	485.0	35.1	6.68
227.0	45.1	5.32	205.0	230.1	6.37	475.0	45.1	6.72
212.0	60.1	5.29	275.0	300.1	6.76	460.0	60.1	6.64
202.0	70.1	5.26	335.0	360.1	6.82	450.0	70.1	6.64
187.0	85.1	5.27	405.0	430.1	7.25	435.0	85.1	6.52
177.0	95.1	5.23	465.0	490.1	7.24	425.0	95.1	6.42
162.0	110.1	5.18	535.0	560.1	7.23	410.0	110.1	6.50
147.0	125.1	5.25	605.0	630.1	7.24	395.0	125.1	6.26
137.0	135.1	5.18	665.0	690.1	7.23	385.0	135.1	6.35
122.0	150.1	5.20	735.0	760.1	7.49	370.0	150.1	6.28
112.0	160.1	5.13	795.0	820.1	7.37	360.0	160.1	6.34
97.0	175.1	5.21	865.0	890.1	7.70	345.0	175.1	6.24
87.0	185.1	5.20	925.0	950.1	7.64	335.0	185.1	6.10
72.0	200.1	5.11	995.0	1020.1	7.86	320.0	200.1	6.18
57.0	215.1	5.18	1065.0	1090.1	7.99	305.0	215.1	6.03
47.0	225.1	5.20	1125.0	1150.1	8.06	295.0	225.1	6.14
32.0	240.1	5.29	1195.0	1220.1	8.45	280.0	240.1	5.97
22.0	250.1	5.26	1255.0	1280.1	8.28	270.0	250.1	6.21
18.0	290.1	5.39	1325.0	1350.1	8.54	255.0	265.1	6.06
128.0	400.1	5.48	1385.0	1410.1	8.60	245.0	275.1	6.00
248.0	520.1	5.48	1455.0	1480.1	8.35	230.0	290.1	6.03
368.0	640.1	5.71	1515.0	1540.1	8.19	220.0	300.1	6.10
488.0	760.1	6.04	1585.0	1610.1	8.32	205.0	315.1	6.19
608.0	880.1	6.35	1655.0	1680.1	8.00	190.0	330.1	6.03
728.0	1000.1	6.47	1715.0	1740.1	7.94	180.0	340.1	6.13
838.0	1110.1	6.64	1785.0	1810.1	7.92	165.0	355.1	6.00
958.0	1230.1	6.85	1845.0	1870.1	7.85	155.0	365.1	6.16
1078.0	1350.1	7.11	1915.0	1940.1	8.02	140.0	380.1	6.23
1198.0	1470.1	7.42	1975.0	2000.1	7.93	130.0	390.1	6.23
1318.0	1590.1	7.53	2045.0	2070.1	8.18	115.0	405.1	6.33
1438.0	1710.1	7.51	2115.0	2140.1	8.31	100.0	420.1	6.27
1558.0	1830.1	7.49	2175.0	2200.1	8.54	90.0	430.1	6.40
1668.0	1940.1	7.47	2245.0	2270.1	8.80	75.0	445.1	6.20
1788.0	2060.1	7.41	2305.0	2330.1	9.07	65.0	455.1	6.46
1908.0	2180.1	7.40	2375.0	2400.1	9.46	50.0	470.1	6.37
2028.0	2300.1	7.52	2435.0	2460.1	9.80	40.0	480.1	6.38
2148.0	2420.1	7.79	2505.0	2530.1	10.26	25.0	495.1	6.53
2268.0	2540.1	8.22	2575.0	2600.1	10.54	10.0	510.1	6.89

Frequency Mixer

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+7	+10	+13	+7	+10	+13
40.1	49.31	53.77	57.30	42.24	45.23	48.10
100.1	50.55	54.39	57.00	42.54	45.07	46.87
170.1	52.26	55.76	55.76	43.38	44.95	45.10
230.1	54.01	56.34	53.28	44.09	44.22	43.32
300.1	56.49	55.69	51.52	45.13	44.37	43.02
370.1	64.08	55.25	50.76	46.23	44.64	42.85
430.1	68.21	54.82	49.84	49.27	45.76	42.63
500.1	82.00	54.93	50.22	53.89	46.71	42.31
570.1	68.99	54.29	49.97	74.90	47.03	41.65
630.1	61.85	52.69	48.98	55.25	45.93	40.56
700.1	59.17	53.47	49.11	47.73	45.86	40.43
770.1	55.88	54.56	49.82	44.10	45.51	40.41
830.1	50.99	57.44	53.49	42.04	45.24	40.54
900.1	50.78	55.09	52.36	39.85	45.02	41.34
960.1	48.10	53.28	54.05	38.35	43.97	42.84
1030.1	48.77	53.42	52.50	37.32	43.30	44.64
1100.1	44.38	48.74	53.43	36.35	42.21	46.34
1160.1	44.74	49.29	56.03	35.34	41.19	48.33
1230.1	44.82	49.50	53.57	34.56	40.62	50.22
1300.1	45.18	50.22	59.78	33.69	39.90	51.28
1360.1	44.59	49.38	57.83	33.12	39.85	58.19
1430.1	42.07	44.21	46.67	32.73	39.95	52.98
1500.1	42.00	43.95	45.72	32.23	39.73	46.57
1560.1	40.41	41.98	43.28	31.93	39.33	42.51
1630.1	39.24	40.15	40.63	31.83	39.11	40.08
1700.1	38.28	39.16	39.77	32.16	40.00	37.81
1760.1	36.75	37.50	37.91	32.78	41.35	37.04
1830.1	36.87	37.56	37.78	33.63	43.87	36.10
1890.1	35.20	35.56	35.53	34.82	45.84	34.73
1960.1	34.86	35.16	35.10	36.35	45.65	33.95
2030.1	34.42	34.61	34.45	37.49	45.16	33.71
2090.1	34.03	34.01	33.65	38.38	43.35	33.29
2160.1	33.60	33.54	33.06	38.89	43.05	33.95
2230.1	32.98	33.00	32.73	37.83	43.68	35.32
2290.1	33.22	33.10	32.76	36.44	41.89	35.81
2360.1	32.62	32.49	32.22	34.11	38.68	36.40
2430.1	32.48	32.37	32.19	30.91	33.47	33.24
2490.1	32.40	32.34	32.21	28.30	29.43	28.89
2560.1	32.29	32.29	32.30	27.33	28.05	27.24
2630.1	32.78	32.90	33.03	27.49	28.63	28.03

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+7	+10	+13
10.1	40.1	41.32	41.09	41.10
70.1	100.1	43.13	44.55	45.38
140.1	170.1	43.22	44.79	46.09
200.1	230.1	45.04	46.58	49.12
270.1	300.1	48.45	49.01	53.01
340.1	370.1	52.08	56.05	56.49
400.1	430.1	57.01	57.79	58.42
470.1	500.1	53.71	52.22	49.10
540.1	570.1	49.78	48.41	47.54
600.1	630.1	46.31	46.66	45.20
670.1	700.1	46.18	45.12	45.30
740.1	770.1	43.83	43.77	43.00
800.1	830.1	43.15	42.46	42.25
870.1	900.1	41.66	40.83	40.31
930.1	960.1	40.70	39.79	39.62
1000.1	1030.1	39.81	39.56	38.76
1070.1	1100.1	39.01	39.12	38.65
1130.1	1160.1	38.73	38.96	38.59
1200.1	1230.1	38.01	37.79	37.98
1270.1	1300.1	37.28	37.07	36.92
1330.1	1360.1	35.94	36.19	36.13
1400.1	1430.1	35.12	35.08	35.37
1470.1	1500.1	34.12	34.06	34.08
1530.1	1560.1	33.41	33.43	33.47
1600.1	1630.1	32.92	32.93	33.07
1670.1	1700.1	32.44	32.60	32.40
1730.1	1760.1	32.27	32.49	32.50
1800.1	1830.1	31.97	32.13	32.36
1860.1	1890.1	31.99	32.02	32.30
1930.1	1960.1	31.98	32.08	32.48
2000.1	2030.1	32.22	32.55	32.84
2060.1	2090.1	32.68	33.03	33.21
2130.1	2160.1	33.06	33.58	33.82
2200.1	2230.1	33.82	34.85	35.13
2260.1	2290.1	34.65	35.64	36.23
2330.1	2360.1	35.58	36.90	37.47
2400.1	2430.1	37.32	38.85	39.81
2460.1	2490.1	39.67	41.70	42.74
2530.1	2560.1	40.25	41.14	41.65
2600.1	2630.1	39.66	39.91	40.11

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=592.1MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+7	+10	+13		+7	+10	+13		+7	+10	+13
10.1	40.1	1.71	1.25	1.43	40.1	1.08	1.59	2.35	10.1	2.20	2.02	1.88
70.1	100.1	1.64	1.41	1.30	100.1	1.18	1.52	2.14	24.1	2.22	1.92	1.80
140.1	170.1	1.60	1.40	1.28	170.1	1.29	1.55	2.15	38.1	2.08	1.85	1.75
200.1	230.1	1.64	1.42	1.28	230.1	1.39	1.58	2.16	54.1	2.05	1.83	1.71
270.1	300.1	1.62	1.40	1.28	300.1	1.48	1.54	2.04	72.1	2.15	1.93	1.78
340.1	370.1	1.55	1.37	1.32	370.1	1.53	1.53	1.98	82.1	2.14	1.91	1.77
400.1	430.1	1.50	1.37	1.41	430.1	1.66	1.52	1.93	98.1	2.12	1.91	1.78
470.1	500.1	1.46	1.42	1.51	500.1	1.74	1.50	1.87	112.1	2.21	2.00	1.86
540.1	570.1	1.42	1.49	1.61	570.1	1.89	1.52	1.79	126.1	2.15	1.94	1.81
600.1	630.1	1.47	1.60	1.73	630.1	2.04	1.55	1.74	142.1	2.07	1.86	1.74
670.1	700.1	1.52	1.68	1.81	700.1	2.30	1.61	1.67	156.1	2.19	1.97	1.84
740.1	770.1	1.56	1.73	1.86	770.1	2.53	1.69	1.59	170.1	2.18	1.97	1.84
800.1	830.1	1.58	1.76	1.89	830.1	2.66	1.72	1.53	186.1	2.14	1.92	1.77
870.1	900.1	1.60	1.78	1.92	900.1	2.87	1.77	1.45	200.1	2.26	2.05	1.91
930.1	960.1	1.57	1.72	1.84	960.1	3.00	1.80	1.38	214.1	2.21	2.01	1.89
1000.1	1030.1	1.54	1.69	1.80	1030.1	3.09	1.83	1.31	230.1	2.11	1.89	1.77
1070.1	1100.1	1.51	1.64	1.73	1100.1	3.11	1.83	1.25	244.1	2.22	2.00	1.86
1130.1	1160.1	1.42	1.53	1.61	1160.1	3.11	1.83	1.21	258.1	2.31	2.08	1.95
1200.1	1230.1	1.33	1.42	1.50	1230.1	3.06	1.81	1.19	274.1	2.19	1.98	1.84
1270.1	1300.1	1.25	1.36	1.46	1300.1	2.92	1.76	1.19	288.1	2.29	2.05	1.91
1330.1	1360.1	1.19	1.30	1.39	1360.1	2.83	1.74	1.25	302.1	2.33	2.11	1.98
1400.1	1430.1	1.13	1.27	1.38	1430.1	2.74	1.72	1.33	318.1	2.23	2.01	1.88
1470.1	1500.1	1.15	1.31	1.42	1500.1	2.56	1.69	1.42	332.1	2.29	2.06	1.92
1530.1	1560.1	1.17	1.33	1.43	1560.1	2.42	1.68	1.50	346.1	2.40	2.16	2.02
1600.1	1630.1	1.20	1.36	1.46	1630.1	2.33	1.66	1.58	362.1	2.32	2.08	1.94
1670.1	1700.1	1.29	1.45	1.55	1700.1	2.14	1.61	1.66	376.1	2.37	2.12	1.98
1730.1	1760.1	1.32	1.47	1.57	1760.1	1.97	1.58	1.71	390.1	2.50	2.25	2.10
1800.1	1830.1	1.33	1.49	1.58	1830.1	1.84	1.55	1.76	406.1	2.38	2.13	2.00
1860.1	1890.1	1.41	1.56	1.66	1890.1	1.70	1.54	1.83	420.1	2.40	2.15	2.00
1930.1	1960.1	1.44	1.58	1.68	1960.1	1.57	1.54	1.88	434.1	2.52	2.27	2.12
2000.1	2030.1	1.45	1.59	1.69	2030.1	1.48	1.54	1.91	450.1	2.46	2.21	2.06
2060.1	2090.1	1.52	1.66	1.76	2090.1	1.40	1.56	1.97	464.1	2.47	2.20	2.04
2130.1	2160.1	1.58	1.72	1.82	2160.1	1.33	1.57	1.99	478.1	2.64	2.36	2.20
2200.1	2230.1	1.61	1.73	1.83	2230.1	1.28	1.56	1.98	494.1	2.57	2.31	2.15
2260.1	2290.1	1.68	1.81	1.90	2290.1	1.25	1.59	2.02	508.1	2.55	2.27	2.10
2330.1	2360.1	1.77	1.89	1.98	2360.1	1.24	1.60	2.02	522.1	2.70	2.41	2.25
2400.1	2430.1	1.83	1.94	2.03	2430.1	1.23	1.58	1.96	538.1	2.66	2.38	2.22
2460.1	2490.1	1.91	2.03	2.13	2490.1	1.24	1.59	1.96	552.1	2.60	2.31	2.14
2530.1	2560.1	2.06	2.18	2.27	2560.1	1.27	1.59	1.94	566.1	2.78	2.48	2.31
2600.1	2630.1	2.15	2.26	2.34	2630.1	1.32	1.60	1.92	582.1	2.78	2.49	2.32

Frequency Mixer

Harmonics Tables

SYM-ED16157/1

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	27.62	25.32	35.85	36.83	36.44	49.68	38.25	51.24	48.00	53.59
1	---	34.09	---	61.75	11.12	45.48	22.97	43.27	48.26	45.42	34.01	42.83
2	108.37	67.96	71.37	67.49	72.82	68.34	71.89	70.20	72.63	81.03	72.71	81.43
3	128.97	85.48	65.44	84.01	61.23	85.10	60.63	82.04	68.19	81.54	74.47	79.77
4	129.94	103.01	111.62	102.54	108.60	98.87	110.39	103.47	112.18	105.80	111.44	109.28
5	129.45	109.96	102.33	108.23	98.49	108.60	94.27	109.62	96.31	110.99	97.58	110.06
6	128.60	112.14	111.30	111.99	111.56	112.07	111.75	110.99	111.97	112.29	109.91	109.38
7	128.50	110.59	109.81	111.42	110.50	112.09	111.28	112.27	110.48	110.89	111.08	111.93
8	128.80	110.17	110.30	109.82	110.35	112.18	112.83	110.66	110.17	107.89	111.49	109.91
9	126.42	108.97	109.42	111.64	112.10	111.31	111.87	110.82	111.09	112.40	111.17	112.07
10	125.68	108.43	109.51	111.41	110.45	111.03	111.75	112.22	111.70	111.25	108.87	109.32
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 272 MHz; -10 dBm.
 LO IN: 302 MHz; +10 dBm
 IF OUT: 30 MHz; -16.54 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	39.96	36.08	45.59	48.90	50.85	60.58	54.52	65.96	64.80	68.76
1	---	34.69	---	53.49	11.67	48.36	25.14	46.24	44.34	48.97	37.31	48.65
2	97.94	60.91	62.29	61.19	61.64	62.56	60.87	64.24	60.98	73.96	63.27	73.95
3	118.55	67.64	49.78	69.91	41.95	73.29	40.41	66.56	46.35	64.01	56.85	62.30
4	117.91	82.95	87.32	84.46	89.05	80.90	86.71	79.42	81.00	83.24	80.28	93.03
5	117.88	89.72	61.21	91.03	63.18	85.93	63.19	84.56	64.28	85.76	73.85	89.26
6	118.06	96.49	96.48	96.44	98.83	92.06	103.24	91.14	99.46	94.46	92.13	98.98
7	116.86	95.54	80.56	98.79	85.63	95.26	81.00	95.59	79.16	96.32	78.49	94.28
8	116.98	118.97	110.42	114.70	111.42	111.16	108.26	106.54	113.46	102.70	118.85	104.18
9	117.28	117.48	100.64	118.19	102.80	108.25	99.37	107.08	95.66	105.83	94.40	105.12
10	116.57	118.35	113.82	118.52	115.18	119.90	118.33	118.14	119.23	117.19	118.00	112.02
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 272 MHz; 0 dBm.
 LO IN: 302 MHz; +10 dBm
 IF OUT: 30 MHz; -5.72 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