

Frequency Mixer

MAC-24MH+

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=+9dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+10	+13	+16			+10	+13	+16			+10	+13	+16
300.1	330.1	8.15	5.68	5.41	300.1	330.1	9.13	12.32	17.88	300.1	330.1	2.30	2.25	1.33
350.1	380.1	5.26	5.16	5.05	350.1	380.1	14.84	19.41	18.63	350.1	380.1	3.07	2.19	1.85
400.1	430.1	5.21	4.89	4.68	400.1	430.1	11.28	12.31	15.10	400.1	430.1	3.71	3.20	2.89
450.1	480.1	6.31	5.62	5.16	450.1	480.1	10.59	13.03	15.36	450.1	480.1	3.09	2.98	2.87
500.1	530.1	7.48	6.41	5.78	500.1	530.1	13.85	17.23	20.48	500.1	530.1	1.88	2.12	2.20
550.1	580.1	7.42	6.65	6.22	550.1	580.1	14.37	17.32	19.27	550.1	580.1	1.56	1.54	1.45
600.1	630.1	6.82	6.50	6.31	600.1	630.1	14.68	15.56	16.74	600.1	630.1	1.45	1.23	1.06
650.1	680.1	6.56	6.33	6.22	650.1	680.1	18.31	16.69	18.28	650.1	680.1	1.16	0.92	0.84
700.1	730.1	6.33	6.14	6.13	700.1	730.1	15.45	18.52	17.10	700.1	730.1	1.16	0.86	0.61
750.1	780.1	6.42	6.02	5.90	750.1	780.1	18.19	15.14	15.19	750.1	780.1	1.16	1.00	0.81
800.1	830.1	6.91	6.38	6.09	800.1	830.1	20.89	18.96	16.29	800.1	830.1	0.82	0.77	0.69
850.1	880.1	7.13	6.74	6.50	850.1	880.1	20.81	24.17	24.32	850.1	880.1	0.85	0.60	0.50
900.1	930.1	7.33	6.92	6.64	900.1	930.1	25.49	24.89	25.53	900.1	930.1	0.68	0.54	0.46
950.1	980.1	7.17	6.84	6.67	950.1	980.1	17.66	21.06	24.11	950.1	980.1	0.94	0.65	0.49
1000.1	1030.1	6.97	6.73	6.61	1000.1	1030.1	20.15	24.70	26.49	1000.1	1030.1	0.88	0.61	0.43
1050.1	1080.1	6.97	6.75	6.64	1050.1	1080.1	19.36	20.21	21.89	1050.1	1080.1	0.97	0.68	0.53
1100.1	1130.1	7.08	6.74	6.58	1100.1	1130.1	19.88	19.46	20.44	1100.1	1130.1	1.10	0.80	0.63
1150.1	1180.1	7.64	7.02	6.68	1150.1	1180.1	26.18	24.52	20.96	1150.1	1180.1	1.27	1.05	0.88
1200.1	1230.1	8.23	7.36	6.79	1200.1	1230.1	16.61	18.67	20.20	1200.1	1230.1	1.19	1.16	1.08
1250.1	1280.1	7.57	6.93	6.54	1250.1	1280.1	22.96	21.66	20.28	1250.1	1280.1	1.51	1.23	1.08
1300.1	1330.1	7.90	7.03	6.48	1300.1	1330.1	15.60	14.94	15.73	1300.1	1330.1	1.65	1.81	1.88
1350.1	1380.1	6.86	6.32	5.90	1350.1	1380.1	16.48	14.59	13.87	1350.1	1380.1	1.78	1.61	1.56
1400.1	1430.1	6.20	5.67	5.34	1400.1	1430.1	14.14	13.84	13.40	1400.1	1430.1	1.82	1.68	1.61
1450.1	1480.1	6.05	5.54	5.23	1450.1	1480.1	10.90	11.06	11.33	1450.1	1480.1	2.02	1.75	1.64
1500.1	1530.1	5.77	5.29	4.92	1500.1	1530.1	9.56	11.88	17.32	1500.1	1530.1	1.91	1.74	1.57
1550.1	1580.1	5.54	4.84	4.76	1550.1	1580.1	14.30	20.29	19.74	1550.1	1580.1	1.86	1.44	1.03
1600.1	1630.1	5.00	4.76	4.73	1600.1	1630.1	19.48	19.65	20.17	1600.1	1630.1	1.84	0.97	0.71
1650.1	1680.1	5.08	4.89	4.90	1650.1	1680.1	20.93	21.27	20.46	1650.1	1680.1	1.78	1.00	0.69
1700.1	1730.1	5.24	4.97	4.89	1700.1	1730.1	22.82	23.45	22.84	1700.1	1730.1	1.86	1.29	1.02
1750.1	1780.1	5.42	5.14	5.08	1750.1	1780.1	15.67	21.57	22.68	1750.1	1780.1	1.97	1.37	1.05
1800.1	1830.1	5.49	5.26	5.20	1800.1	1830.1	14.40	19.09	21.32	1800.1	1830.1	1.82	1.21	0.96
1850.1	1880.1	5.50	5.26	5.28	1850.1	1880.1	14.08	15.50	19.99	1850.1	1880.1	1.89	1.08	0.64
1900.1	1930.1	5.94	5.33	5.16	1900.1	1930.1	11.08	16.04	20.69	1900.1	1930.1	2.07	1.65	1.25
1950.1	1980.1	6.53	5.69	5.37	1950.1	1980.1	11.20	13.64	22.84	1950.1	1980.1	1.67	1.56	1.30
2000.1	2030.1	7.50	6.28	5.73	2000.1	2030.1	13.21	15.73	18.25	2000.1	2030.1	1.17	1.30	1.22
2050.1	2080.1	7.85	6.68	6.07	2050.1	2080.1	15.17	18.22	20.40	2050.1	2080.1	0.90	1.09	1.11
2100.1	2130.1	8.81	7.38	6.68	2100.1	2130.1	13.57	17.63	19.93	2100.1	2130.1	0.72	0.84	0.91
2200.1	2230.1	8.91	7.00	6.46	2200.1	2230.1	12.69	15.09	17.89	2200.1	2230.1	0.77	0.78	0.63
2300.1	2330.1	9.56	6.54	6.16	2300.1	2330.1	11.26	17.14	22.74	2300.1	2330.1	0.06	0.84	0.52
2400.1	2430.1	10.36	6.59	6.26	2400.1	2430.1	10.65	24.45	25.09	2400.1	2430.1	-0.37	0.99	0.57

Frequency Mixer

MAC-24MH+

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1800.1MHz (dB)
		@LO (dBm)
		+13
900.0	900.1	11.31
800.0	1000.1	8.06
700.0	1100.1	7.97
600.0	1200.1	6.47
500.0	1300.1	5.49
400.0	1400.1	5.53
300.0	1500.1	5.51
260.0	1540.1	5.50
240.0	1560.1	5.69
220.0	1580.1	5.66
200.0	1600.1	5.68
180.0	1620.1	5.78
160.0	1640.1	5.74
140.0	1660.1	5.61
120.0	1680.1	5.49
100.0	1700.1	5.54
80.0	1720.1	5.56
60.0	1740.1	5.43
40.0	1760.1	5.35
20.0	1780.1	5.25
10.0	1810.1	5.20
30.0	1830.1	5.26
50.0	1850.1	5.29
70.0	1870.1	5.31
90.0	1890.1	5.23
110.0	1910.1	5.13
130.0	1930.1	5.05
150.0	1950.1	5.05
170.0	1970.1	5.08
190.0	1990.1	5.02
220.0	2020.1	5.27
260.0	2060.1	5.81
300.0	2100.1	6.07
340.0	2140.1	6.51
400.0	2200.1	6.49
500.0	2300.1	6.57
600.0	2400.1	6.52
700.0	2500.1	6.71
800.0	2600.1	8.46
900.0	2700.1	12.31

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=300.1MHz (dB)
		@LO (dBm)
		+13
10.0	310.1	6.10
20.0	320.1	5.93
30.0	330.1	5.67
40.0	340.1	5.58
50.0	350.1	5.57
60.0	360.1	5.64
70.0	370.1	5.62
80.0	380.1	5.55
90.0	390.1	5.49
100.0	400.1	5.45
110.0	410.1	5.32
120.0	420.1	5.22
130.0	430.1	5.17
140.0	440.1	5.22
150.0	450.1	5.30
160.0	460.1	5.50
170.0	470.1	5.63
180.0	480.1	5.66
190.0	490.1	5.66
200.0	500.1	5.68
220.0	520.1	5.74
240.0	540.1	5.83
260.0	560.1	5.95
280.0	580.1	6.02
300.0	600.1	6.05
320.0	620.1	6.27
340.0	640.1	6.43
360.0	660.1	6.29
400.0	700.1	6.46
450.0	750.1	7.13
500.0	800.1	6.43
550.0	850.1	6.43
600.0	900.1	6.25
650.0	950.1	6.22
700.0	1000.1	6.32
750.0	1050.1	6.68
800.0	1100.1	7.14
850.0	1150.1	8.39
900.0	1200.1	10.62
950.0	1250.1	16.17

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2400.1MHz (dB)
		@LO (dBm)
		+13
900.0	1500.1	14.04
850.0	1550.1	11.62
800.0	1600.1	9.38
750.0	1650.1	8.47
700.0	1700.1	8.06
650.0	1750.1	8.06
600.0	1800.1	7.67
550.0	1850.1	7.87
500.0	1900.1	7.67
450.0	1950.1	8.22
400.0	2000.1	8.14
350.0	2050.1	8.44
300.0	2100.1	8.17
280.0	2120.1	8.30
260.0	2140.1	8.11
250.0	2150.1	7.87
240.0	2160.1	7.72
230.0	2170.1	7.48
220.0	2180.1	7.33
210.0	2190.1	7.22
200.0	2200.1	7.19
190.0	2210.1	7.22
180.0	2220.1	7.27
170.0	2230.1	7.20
160.0	2240.1	7.05
150.0	2250.1	6.82
140.0	2260.1	6.65
130.0	2270.1	6.57
120.0	2280.1	6.59
110.0	2290.1	6.66
100.0	2300.1	6.75
90.0	2310.1	6.81
80.0	2320.1	6.79
70.0	2330.1	6.75
60.0	2340.1	6.66
50.0	2350.1	6.56
40.0	2360.1	6.50
30.0	2370.1	6.45
20.0	2380.1	6.45
10.0	2390.1	6.47



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site
 The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com



IF/RF MICROWAVE COMPONENTS

REV. X1
 MAC-24MH+
 12/20/2011
 Page 2 of 5

Frequency Mixer

MAC-24MH+

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+10	+13	+16	+10	+13	+16
330.1	46.32	45.92	44.86	21.02	22.02	24.06
380.1	40.67	40.34	40.50	19.97	22.40	24.41
430.1	39.02	39.77	40.19	21.24	23.68	25.91
480.1	37.56	38.30	38.93	22.34	24.49	26.15
530.1	40.98	41.11	41.14	23.68	25.81	27.30
580.1	50.62	48.92	47.26	25.67	27.51	28.51
630.1	59.40	57.71	55.89	26.76	27.08	26.87
680.1	50.54	47.57	46.47	27.49	26.78	25.90
730.1	46.58	43.93	42.00	27.28	26.16	25.26
780.1	45.18	44.05	42.57	28.02	27.36	26.83
830.1	44.95	43.72	42.49	31.96	30.80	29.11
880.1	44.90	44.88	45.10	28.03	28.77	29.13
930.1	44.11	43.92	43.96	25.09	27.15	29.03
980.1	45.05	44.88	44.87	21.98	24.07	26.00
1030.1	45.06	44.07	43.52	21.63	23.45	24.86
1080.1	46.98	45.41	44.49	23.69	25.19	26.10
1130.1	47.28	45.66	44.89	25.89	26.97	27.33
1180.1	47.64	46.37	44.91	28.36	29.51	29.68
1230.1	44.21	42.92	42.02	28.80	30.00	30.44
1280.1	47.87	46.32	44.04	30.95	32.55	32.98
1330.1	43.93	43.35	42.48	31.12	33.85	34.66
1380.1	40.61	37.72	37.90	30.46	33.38	35.91
1430.1	50.52	46.16	41.09	29.77	32.54	35.96
1480.1	44.66	42.11	40.36	28.97	31.21	33.74
1530.1	43.82	39.66	36.30	27.32	28.75	31.16
1580.1	44.00	38.93	36.07	25.88	28.69	31.66
1630.1	40.05	36.74	34.64	27.08	29.52	32.15
1680.1	39.35	35.63	33.69	26.98	29.28	31.71
1730.1	39.78	37.33	34.94	24.54	26.54	28.78
1780.1	39.05	37.15	35.42	23.19	25.01	27.16
1830.1	37.01	34.94	33.36	21.84	23.75	25.91
1880.1	36.73	34.76	33.25	21.58	23.34	25.31
1930.1	37.06	35.35	34.00	21.29	23.02	24.94
1980.1	36.78	35.00	33.75	21.62	23.15	24.90
2030.1	38.69	35.94	34.16	23.59	24.74	26.39
2080.1	39.34	36.89	34.96	22.88	24.67	26.74
2130.1	37.38	35.51	34.17	23.96	26.30	28.64
2230.1	38.69	36.87	33.69	21.97	22.92	23.55
2330.1	37.91	38.47	36.84	21.23	22.63	23.57
2430.1	34.89	36.20	35.68	22.60	25.57	26.94

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+10	+13	+16
300.1	330.1	22.30	18.92	18.05
350.1	380.1	18.38	17.30	16.67
400.1	430.1	15.79	15.19	14.66
450.1	480.1	14.37	13.91	13.63
500.1	530.1	15.67	15.11	14.70
550.1	580.1	19.58	18.58	18.04
600.1	630.1	24.27	23.32	22.64
650.1	680.1	29.40	29.04	28.17
700.1	730.1	31.85	31.95	31.09
750.1	780.1	33.60	31.19	29.29
800.1	830.1	31.35	29.03	27.57
850.1	880.1	31.30	29.28	28.03
900.1	930.1	29.68	28.49	27.61
950.1	980.1	31.63	30.97	30.50
1000.1	1030.1	37.83	37.56	37.43
1050.1	1080.1	37.22	36.70	36.43
1100.1	1130.1	32.83	32.31	31.93
1150.1	1180.1	30.95	30.36	30.03
1200.1	1230.1	28.17	27.71	27.44
1250.1	1280.1	25.09	24.65	24.69
1300.1	1330.1	23.30	21.94	21.63
1350.1	1380.1	23.81	22.11	20.97
1400.1	1430.1	24.46	23.78	22.61
1450.1	1480.1	22.46	22.11	21.93
1500.1	1530.1	23.30	22.18	21.47
1550.1	1580.1	22.25	22.02	21.82
1600.1	1630.1	21.92	22.02	22.18
1650.1	1680.1	22.03	22.06	22.17
1700.1	1730.1	22.46	21.99	21.82
1750.1	1780.1	22.90	22.50	22.26
1800.1	1830.1	24.74	24.51	24.41
1850.1	1880.1	26.31	25.74	25.40
1900.1	1930.1	24.69	24.00	23.86
1950.1	1980.1	27.28	27.41	28.37
2000.1	2030.1	33.44	32.41	31.29
2050.1	2080.1	32.77	31.76	31.07
2100.1	2130.1	24.46	22.20	21.22
2200.1	2230.1	34.65	29.16	27.46
2300.1	2330.1	30.39	28.10	26.19
2400.1	2430.1	27.44	26.65	24.99

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=2400.1MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+10	+13	+16		+10	+13	+16		+10	+13	+16
300.1	330.1	2.49	1.89	1.90	330.1	14.29	7.45	6.03	0.3	2.03	1.14	1.45
350.1	380.1	1.61	1.56	1.53	380.1	3.95	3.74	4.34	0.4	2.04	1.13	1.45
400.1	430.1	1.76	1.61	1.51	430.1	2.10	2.46	3.15	0.5	2.04	1.13	1.45
450.1	480.1	2.86	2.59	2.40	480.1	1.45	1.93	2.61	0.6	2.04	1.14	1.45
500.1	530.1	4.30	3.75	3.37	530.1	1.21	1.49	2.04	0.7	2.04	1.14	1.45
550.1	580.1	4.66	4.23	3.96	580.1	1.47	1.35	1.81	0.8	2.04	1.14	1.45
600.1	630.1	4.34	4.14	4.02	630.1	1.74	1.54	1.91	0.9	2.03	1.14	1.45
650.1	680.1	4.15	3.70	3.56	680.1	1.94	1.75	2.17	1.0	2.04	1.14	1.44
700.1	730.1	4.08	3.64	3.26	730.1	2.06	2.12	2.65	2.0	2.06	1.13	1.43
750.1	780.1	4.24	3.78	3.37	780.1	2.26	2.53	3.16	3.0	2.05	1.13	1.44
800.1	830.1	4.54	4.01	3.61	830.1	2.46	2.98	3.81	4.0	2.04	1.13	1.44
850.1	880.1	4.58	4.20	3.94	880.1	2.53	3.15	4.06	5.0	2.04	1.13	1.44
900.1	930.1	4.73	4.31	3.98	930.1	2.55	3.38	4.46	6.0	2.04	1.13	1.44
950.1	980.1	4.41	4.08	3.88	980.1	2.37	3.24	4.34	7.0	2.04	1.13	1.44
1000.1	1030.1	4.19	3.95	3.80	1030.1	2.36	3.32	4.49	8.0	2.04	1.13	1.44
1050.1	1080.1	4.01	3.78	3.63	1080.1	2.58	3.41	4.46	9.0	2.05	1.13	1.44
1100.1	1130.1	4.18	3.85	3.63	1130.1	3.09	3.77	4.72	10.0	2.05	1.13	1.44
1150.1	1180.1	4.62	4.24	3.96	1180.1	3.46	3.90	4.66	20.0	2.06	1.12	1.42
1200.1	1230.1	4.85	4.38	4.07	1230.1	3.66	3.96	4.62	30.0	2.08	1.11	1.41
1250.1	1280.1	4.17	3.85	3.65	1280.1	3.91	3.79	4.25	40.0	2.09	1.11	1.40
1300.1	1330.1	4.25	3.67	3.41	1330.1	4.23	3.91	4.10	50.0	2.09	1.12	1.40
1350.1	1380.1	3.36	2.92	2.48	1380.1	4.04	3.66	3.82	60.0	2.13	1.11	1.39
1400.1	1430.1	2.93	2.55	2.16	1430.1	3.71	3.20	3.36	70.0	2.17	1.11	1.37
1450.1	1480.1	2.39	2.12	1.87	1480.1	3.43	2.63	2.65	80.0	2.20	1.11	1.35
1500.1	1530.1	1.93	1.50	1.18	1530.1	2.77	1.96	2.01	90.0	2.24	1.12	1.35
1550.1	1580.1	1.38	1.05	1.06	1580.1	2.65	1.87	1.88	100.0	2.27	1.13	1.33
1600.1	1630.1	1.10	1.07	1.16	1630.1	2.66	1.86	1.82	110.0	2.31	1.13	1.31
1650.1	1680.1	1.13	1.12	1.22	1680.1	2.58	1.79	1.78	120.0	2.36	1.14	1.29
1700.1	1730.1	1.23	1.14	1.13	1730.1	2.21	1.64	1.75	150.0	2.52	1.21	1.27
1750.1	1780.1	1.35	1.27	1.27	1780.1	2.16	1.59	1.79	200.0	2.81	1.32	1.26
1800.1	1830.1	1.69	1.67	1.69	1830.1	2.46	1.91	2.03	250.0	3.13	1.45	1.31
1850.1	1880.1	1.63	1.49	1.52	1880.1	2.72	2.20	2.28	300.0	3.49	1.59	1.36
1900.1	1930.1	2.03	1.72	1.56	1930.1	3.14	2.55	2.55	350.0	3.87	1.75	1.44
1950.1	1980.1	2.56	2.18	1.91	1980.1	3.46	2.82	2.79	400.0	4.23	1.93	1.53
2000.1	2030.1	3.27	2.75	2.43	2030.1	4.32	3.17	2.95	450.0	4.51	2.10	1.65
2050.1	2080.1	3.64	3.11	2.77	2080.1	4.58	3.31	3.03	500.0	4.72	2.24	1.77
2100.1	2130.1	4.50	3.82	3.43	2130.1	6.05	3.59	2.97	550.0	4.86	2.33	1.86
2200.1	2230.1	4.77	3.72	3.28	2230.1	8.25	4.00	2.66	600.0	4.84	2.34	1.91
2300.1	2330.1	4.69	3.04	2.62	2330.1	9.47	4.89	2.70	650.0	4.79	2.33	1.99
2400.1	2430.1	4.67	2.92	2.57	2430.1	9.48	5.06	2.61	700.0	4.49	2.34	2.17

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	-0.19	26.52	14.74	25.50	19.96	35.16	20.66	38.21	32.54	57.12
1	---	19.48	---	32.46	14.05	40.53	29.83	49.92	35.85	43.96	68.45	46.90
2	119.07	80.99	62.19	68.12	57.32	66.21	63.67	67.27	57.70	67.05	52.57	69.07
3	123.50	73.93	59.24	72.36	62.96	72.81	63.55	85.82	80.10	81.78	78.53	83.58
4	125.47	104.41	106.66	105.21	103.42	99.54	102.10	100.41	107.54	103.02	91.49	103.22
5	123.77	105.79	107.56	103.74	105.48	109.36	103.77	109.51	103.44	110.25	106.65	106.26
6	124.52	108.80	110.49	103.54	106.92	113.36	106.95	109.07	110.12	107.73	105.86	108.79
7	126.81	106.31	105.25	106.75	107.04	106.96	111.98	109.84	109.85	108.39	110.11	105.14
8	122.98	100.10	106.36	105.38	106.39	107.26	105.80	108.89	109.86	100.50	109.03	115.00
9	121.61	103.50	101.54	110.92	110.60	107.34	107.32	107.08	106.48	107.68	106.72	105.75
10	114.53	100.88	100.52	100.04	105.95	110.02	104.45	105.89	111.92	105.05	109.52	107.14
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1800.1 MHz; -6 dBm.
 LO IN: 1830.1 MHz; +13.00 dBm
 IF OUT: 30.00 MHz; -11.16 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	9.86	36.85	25.41	37.54	31.88	51.32	34.84	57.33	50.55	78.54
1	---	19.14	---	34.48	14.38	42.29	29.94	54.30	38.15	48.55	63.65	54.92
2	108.75	62.14	52.10	60.28	47.10	61.49	54.79	58.12	50.44	58.51	46.04	63.27
3	115.06	52.52	38.59	55.66	43.03	55.26	42.10	66.90	55.81	62.76	56.28	63.56
4	111.61	72.41	69.17	75.89	78.26	84.69	73.66	70.70	81.93	77.08	66.92	78.41
5	108.67	81.13	70.59	94.03	62.63	72.86	64.71	85.87	65.09	87.08	78.36	90.82
6	110.68	94.26	101.86	93.59	91.19	83.99	89.24	84.13	108.92	90.68	91.95	105.17
7	107.67	96.43	101.24	104.41	101.32	105.50	94.27	92.88	86.59	96.06	81.72	106.21
8	106.68	104.94	102.80	107.05	99.71	110.83	96.43	103.18	104.45	93.79	114.33	94.90
9	109.85	96.74	98.57	111.60	101.91	107.17	105.08	103.19	95.55	101.39	103.44	101.28
10	111.85	99.29	105.59	105.76	95.87	102.09	111.27	110.54	100.74	106.66	102.42	104.25
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1800.1 MHz; 4 dBm.
 LO IN: 1830.1 MHz; +13.00 dBm
 IF OUT: 30.00 MHz; -1.28dBm

- 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