

Frequency Mixer

MAC-42LH+

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
1000.1	1030.1	6.32	5.91	5.72	1000.1	1030.1	10.82	14.51	19.86	1000.1	1030.1	2.47	1.43	2.21
1050.1	1080.1	6.37	6.01	5.85	1050.1	1080.1	10.99	16.16	19.20	1050.1	1080.1	2.31	1.34	2.01
1100.1	1130.1	6.45	6.09	5.91	1100.1	1130.1	9.30	12.58	14.92	1100.1	1130.1	2.02	1.16	1.80
1150.1	1180.1	6.45	6.23	6.09	1150.1	1180.1	9.96	10.89	11.58	1150.1	1180.1	1.98	1.27	1.46
1200.1	1230.1	6.37	6.21	6.14	1200.1	1230.1	10.02	10.65	13.02	1200.1	1230.1	1.96	1.36	1.44
1250.1	1280.1	6.36	6.23	6.21	1250.1	1280.1	11.84	13.99	16.72	1250.1	1280.1	1.70	1.18	1.21
1300.1	1330.1	6.24	6.17	6.20	1300.1	1330.1	18.74	12.95	14.03	1300.1	1330.1	1.55	1.05	1.01
1350.1	1380.1	6.25	6.21	6.28	1350.1	1380.1	13.61	15.43	12.90	1350.1	1380.1	1.43	0.92	0.81
1400.1	1430.1	6.09	6.02	6.10	1400.1	1430.1	12.98	14.03	17.82	1400.1	1430.1	1.36	0.85	0.79
1450.1	1480.1	6.22	6.13	6.17	1450.1	1480.1	15.25	13.95	16.19	1450.1	1480.1	1.25	0.76	0.79
1500.1	1530.1	6.22	6.10	6.13	1500.1	1530.1	18.44	15.16	15.18	1500.1	1530.1	1.22	0.70	0.80
1550.1	1580.1	6.46	6.28	6.25	1550.1	1580.1	25.09	16.61	17.38	1550.1	1580.1	1.10	0.54	0.66
1600.1	1630.1	6.39	6.24	6.21	1600.1	1630.1	14.91	14.12	15.38	1600.1	1630.1	1.00	0.39	0.55
1700.1	1730.1	6.55	6.36	6.30	1700.1	1730.1	17.19	18.64	20.99	1700.1	1730.1	0.94	0.38	0.59
1800.1	1830.1	6.44	6.34	6.35	1800.1	1830.1	12.93	14.46	18.93	1800.1	1830.1	1.13	0.49	0.51
1900.1	1930.1	6.35	6.26	6.30	1900.1	1930.1	13.84	17.27	21.17	1900.1	1930.1	1.13	0.53	0.48
2000.1	2030.1	6.37	6.25	6.25	2000.1	2030.1	16.97	16.89	19.44	2000.1	2030.1	1.17	0.63	0.51
2100.1	2130.1	6.41	6.23	6.23	2100.1	2130.1	14.98	15.77	16.19	2100.1	2130.1	1.27	0.65	0.62
2200.1	2230.1	6.46	6.20	6.11	2200.1	2230.1	15.10	15.77	16.62	2200.1	2230.1	1.58	0.85	0.97
2300.1	2330.1	6.50	6.22	6.13	2300.1	2330.1	12.22	11.86	13.18	2300.1	2330.1	1.62	0.69	1.06
2400.1	2430.1	6.03	5.82	5.82	2400.1	2430.1	12.45	14.03	13.73	2400.1	2430.1	1.72	0.80	0.88
2500.1	2530.1	6.41	6.08	5.94	2500.1	2530.1	13.24	19.09	29.10	2500.1	2530.1	1.41	0.53	1.02
2600.1	2630.1	6.70	6.48	6.41	2600.1	2630.1	10.64	11.23	12.44	2600.1	2630.1	1.45	0.59	1.45
2700.1	2730.1	6.35	6.15	6.09	2700.1	2730.1	10.76	10.32	9.69	2700.1	2730.1	1.80	1.13	1.22
2800.1	2830.1	6.28	6.06	5.98	2800.1	2830.1	8.13	8.10	8.78	2800.1	2830.1	1.95	1.16	1.32
2900.1	2930.1	5.85	5.79	5.93	2900.1	2930.1	9.79	14.93	15.06	2900.1	2930.1	1.94	0.87	1.13
3000.1	3030.1	5.75	5.70	5.91	3000.1	3030.1	13.97	17.46	18.15	3000.1	3030.1	1.83	0.68	0.75
3100.1	3130.1	5.80	5.78	5.87	3100.1	3130.1	13.18	15.39	17.57	3100.1	3130.1	1.42	0.49	0.63
3200.1	3230.1	5.87	5.92	6.01	3200.1	3230.1	13.15	14.86	17.05	3200.1	3230.1	1.31	0.39	0.50
3300.1	3330.1	5.79	5.86	5.98	3300.1	3330.1	12.26	18.56	22.65	3300.1	3330.1	1.41	0.51	0.37
3400.1	3430.1	6.00	5.96	6.11	3400.1	3430.1	13.03	19.28	19.86	3400.1	3430.1	1.71	0.91	0.71
3500.1	3530.1	6.41	6.21	6.24	3500.1	3530.1	13.71	21.13	20.63	3500.1	3530.1	1.54	0.71	0.92
3600.1	3630.1	6.35	6.07	6.08	3600.1	3630.1	10.26	19.42	16.37	3600.1	3630.1	1.53	0.50	0.71
3700.1	3730.1	6.87	6.56	6.46	3700.1	3730.1	12.68	15.69	20.37	3700.1	3730.1	1.37	0.44	1.17
3800.1	3830.1	6.80	6.58	6.50	3800.1	3830.1	15.13	21.51	24.41	3800.1	3830.1	0.95	-0.11	0.81
3900.1	3930.1	6.67	6.35	6.34	3900.1	3930.1	13.25	15.66	16.47	3900.1	3930.1	1.06	-0.03	0.95
3950.1	3980.1	6.99	6.62	6.57	3950.1	3980.1	11.28	13.13	14.43	3950.1	3980.1	1.10	-0.17	0.98
4000.1	4030.1	6.88	6.48	6.44	4000.1	4030.1	10.08	12.38	14.06	4000.1	4030.1	1.43	0.19	1.16
4100.1	4130.1	6.90	6.53	6.40	4100.1	4130.1	8.89	11.80	13.42	4100.1	4130.1	1.45	0.00	1.15
4200.1	4230.1	6.91	6.57	6.49	4200.1	4230.1	7.49	10.11	12.63	4200.1	4230.1	1.54	-0.31	1.33

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2600.1MHz (dB)
		@LO (dBm)
		+10
1800.0	800.1	11.66
1600.0	1000.1	9.49
1400.0	1200.1	8.07
1200.0	1400.1	5.49
1000.0	1600.1	6.82
800.0	1800.1	6.69
600.0	2000.1	6.43
400.0	2200.1	6.02
240.0	2360.1	5.86
220.0	2380.1	5.91
200.0	2400.1	5.96
180.0	2420.1	6.03
160.0	2440.1	6.06
140.0	2460.1	6.10
120.0	2480.1	6.12
100.0	2500.1	6.15
80.0	2520.1	6.21
60.0	2540.1	6.24
40.0	2560.1	6.10
20.0	2580.1	6.21
20.0	2620.1	6.42
40.0	2640.1	6.44
60.0	2660.1	6.40
80.0	2680.1	6.38
100.0	2700.1	6.33
120.0	2720.1	6.44
140.0	2740.1	6.39
160.0	2760.1	6.38
180.0	2780.1	6.52
200.0	2800.1	6.44
220.0	2820.1	6.46
240.0	2840.1	6.33
400.0	3000.1	6.04
600.0	3200.1	5.66
800.0	3400.1	5.93
1000.0	3600.1	6.42
1200.0	3800.1	6.83
1400.0	4000.1	7.16
1600.0	4200.1	8.23
1800.0	4400.1	12.78

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1000.1MHz (dB)
		@LO (dBm)
		+10
20.0	1020.1	5.88
30.0	1030.1	5.89
40.0	1040.1	5.76
50.0	1050.1	5.78
60.0	1060.1	5.69
70.0	1070.1	5.70
80.0	1080.1	5.69
90.0	1090.1	5.62
100.0	1100.1	5.70
110.0	1110.1	5.62
120.0	1120.1	5.58
130.0	1130.1	5.62
140.0	1140.1	5.69
150.0	1150.1	5.68
160.0	1160.1	5.73
170.0	1170.1	5.78
180.0	1180.1	5.80
190.0	1190.1	5.88
200.0	1200.1	5.84
210.0	1210.1	5.82
220.0	1220.1	5.80
230.0	1230.1	5.78
300.0	1300.1	5.82
400.0	1400.1	5.97
500.0	1500.1	5.81
600.0	1600.1	6.42
700.0	1700.1	6.10
800.0	1800.1	5.91
900.0	1900.1	5.98
1000.0	2000.1	6.25
1100.0	2100.1	6.41
1200.0	2200.1	6.97
1300.0	2300.1	7.28
1400.0	2400.1	7.62
1500.0	2500.1	8.11
1600.0	2600.1	8.86
1700.0	2700.1	9.69
1800.0	2800.1	10.90
1900.0	2900.1	14.39
2000.0	3000.1	17.81

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=4200.1MHz (dB)
		@LO (dBm)
		+10
1900.0	2300.1	15.75
1800.0	2400.1	12.00
1700.0	2500.1	9.95
1600.0	2600.1	9.13
1500.0	2700.1	8.87
1400.0	2800.1	8.57
1300.0	2900.1	7.55
1200.0	3000.1	7.42
1100.0	3100.1	7.51
1000.0	3200.1	7.35
900.0	3300.1	7.20
800.0	3400.1	7.12
700.0	3500.1	7.03
600.0	3600.1	6.70
500.0	3700.1	6.53
400.0	3800.1	6.70
300.0	3900.1	6.45
240.0	3960.1	6.47
230.0	3970.1	6.41
220.0	3980.1	6.47
210.0	3990.1	6.43
200.0	4000.1	6.46
190.0	4010.1	6.41
180.0	4020.1	6.48
170.0	4030.1	6.43
160.0	4040.1	6.53
150.0	4050.1	6.52
140.0	4060.1	6.42
130.0	4070.1	6.50
120.0	4080.1	6.44
110.0	4090.1	6.44
100.0	4100.1	6.45
90.0	4110.1	6.46
80.0	4120.1	6.48
70.0	4130.1	6.42
60.0	4140.1	6.47
50.0	4150.1	6.50
40.0	4160.1	6.43
30.0	4170.1	6.47
20.0	4180.1	6.45

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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
1030.1	32.29	32.88	33.84	18.63	20.90	22.97
1080.1	33.04	33.55	34.19	19.10	21.58	23.81
1130.1	34.93	34.66	35.14	19.74	22.27	24.35
1180.1	36.72	36.98	36.74	20.44	22.84	24.75
1230.1	41.77	40.92	40.63	20.82	22.99	24.38
1280.1	49.92	47.34	44.47	21.45	23.34	24.22
1330.1	53.87	47.28	47.52	21.59	23.12	23.52
1380.1	45.88	43.39	41.24	21.82	22.83	22.82
1430.1	42.78	39.59	37.47	21.85	22.31	22.11
1480.1	43.33	41.03	37.52	22.18	22.22	21.85
1530.1	41.17	39.95	35.78	21.75	21.66	21.33
1580.1	41.31	38.04	37.59	22.24	22.29	22.00
1630.1	40.34	37.67	36.53	23.42	23.20	22.20
1730.1	40.31	39.09	40.18	24.04	22.78	21.75
1830.1	42.44	43.25	40.75	23.81	22.63	21.84
1930.1	41.00	39.10	39.66	23.45	23.12	22.83
2030.1	39.70	39.28	39.67	21.09	22.51	23.61
2130.1	41.67	41.73	39.20	18.14	20.23	22.20
2230.1	44.03	40.81	39.45	16.81	18.35	19.43
2330.1	46.76	40.67	39.91	17.92	18.52	18.57
2430.1	48.32	42.77	38.26	19.50	19.20	18.61
2530.1	45.83	43.51	39.03	21.35	20.38	19.30
2630.1	44.12	42.26	41.77	21.73	20.38	19.33
2730.1	46.90	42.80	41.23	23.43	21.97	20.71
2830.1	44.38	39.16	35.93	23.64	21.84	20.91
2930.1	46.45	44.94	41.18	23.93	22.26	21.81
3030.1	45.70	49.91	41.72	26.27	25.48	25.08
3130.1	43.51	43.73	39.21	28.19	27.77	27.87
3230.1	39.02	37.64	35.76	28.59	28.65	29.14
3330.1	38.23	36.31	34.17	28.14	28.53	29.18
3430.1	38.09	35.41	33.05	27.10	28.08	28.90
3530.1	35.95	33.73	32.43	25.87	26.67	27.26
3630.1	33.96	33.64	33.06	24.85	26.26	27.75
3730.1	31.68	31.95	31.31	22.65	24.22	26.06
3830.1	31.50	31.57	31.76	21.44	22.89	24.73
3930.1	30.32	30.17	30.00	20.68	22.26	24.04
3980.1	31.19	30.96	30.63	21.86	23.60	25.05
4030.1	31.73	31.12	29.98	22.66	24.09	24.92
4130.1	31.31	31.57	31.14	20.43	21.19	21.99
4200.1	30.10	30.20	30.39	17.13	17.64	18.81

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+7	+10	+13
1000.1	1030.1	12.06	11.43	11.05
1050.1	1080.1	13.50	12.71	12.33
1100.1	1130.1	15.33	14.39	13.83
1150.1	1180.1	17.42	16.55	16.12
1200.1	1230.1	19.60	18.65	18.19
1250.1	1280.1	23.19	22.09	21.16
1300.1	1330.1	26.85	26.25	25.36
1350.1	1380.1	28.47	28.14	26.89
1400.1	1430.1	27.49	26.37	25.01
1450.1	1480.1	26.57	25.54	24.24
1500.1	1530.1	24.62	23.08	21.77
1550.1	1580.1	23.68	22.20	20.97
1600.1	1630.1	22.31	20.97	20.27
1700.1	1730.1	22.88	21.76	20.84
1800.1	1830.1	22.24	21.30	20.80
1900.1	1930.1	21.76	21.27	20.93
2000.1	2030.1	22.14	21.76	21.55
2100.1	2130.1	24.65	24.31	24.10
2200.1	2230.1	32.27	32.30	32.29
2300.1	2330.1	30.12	29.49	29.18
2400.1	2430.1	23.35	22.86	22.66
2500.1	2530.1	21.72	21.13	20.81
2600.1	2630.1	18.66	18.02	17.81
2700.1	2730.1	18.22	17.34	16.57
2800.1	2830.1	17.22	16.44	15.82
2900.1	2930.1	16.29	15.39	15.04
3000.1	3030.1	15.76	15.15	14.95
3100.1	3130.1	16.69	16.40	16.60
3200.1	3230.1	17.14	16.81	16.78
3300.1	3330.1	17.91	17.23	17.02
3400.1	3430.1	19.20	18.31	18.23
3500.1	3530.1	37.51	33.03	32.77
3600.1	3630.1	20.12	19.89	19.93
3700.1	3730.1	27.73	28.13	29.01
3800.1	3830.1	23.57	22.51	22.20
3900.1	3930.1	26.14	24.48	24.40
3950.1	3980.1	30.50	30.93	33.22
4000.1	4030.1	33.55	37.39	37.13
4100.1	4130.1	34.65	30.07	27.49
4200.1	4230.1	48.34	36.77	31.30

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=4200MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+7	+10	+13		+7	+10	+13		+7	+10	+13
1000.1	1030.1	2.89	2.53	2.29	1030.1	3.54	3.84	4.63	10.1	1.57	1.13	1.21
1050.1	1080.1	3.45	3.03	2.75	1080.1	2.81	3.28	4.08	20.1	1.62	1.07	1.30
1100.1	1130.1	3.75	3.38	3.12	1130.1	2.27	2.78	3.55	30.1	1.50	1.02	1.30
1150.1	1180.1	3.89	3.64	3.46	1180.1	1.93	2.40	3.10	40.1	1.48	1.04	1.27
1200.1	1230.1	3.74	3.54	3.37	1230.1	1.72	2.17	2.83	50.1	1.50	1.05	1.25
1250.1	1280.1	3.73	3.49	3.36	1280.1	1.59	2.03	2.67	60.1	1.53	1.06	1.26
1300.1	1330.1	3.58	3.33	3.20	1330.1	1.55	1.95	2.56	70.1	1.54	1.07	1.25
1350.1	1380.1	3.54	3.19	2.99	1380.1	1.57	1.94	2.55	80.1	1.55	1.08	1.24
1400.1	1430.1	3.53	3.16	2.84	1430.1	1.65	2.01	2.60	90.1	1.56	1.10	1.22
1450.1	1480.1	3.73	3.32	2.97	1480.1	1.76	2.12	2.70	100.1	1.57	1.13	1.25
1500.1	1530.1	3.65	3.24	2.90	1530.1	1.91	2.34	2.97	110.1	1.59	1.13	1.27
1550.1	1580.1	3.82	3.35	2.92	1580.1	2.07	2.54	3.21	200.1	1.73	1.27	1.30
1600.1	1630.1	3.74	3.27	2.94	1630.1	2.23	2.77	3.48	300.1	1.90	1.37	1.33
1700.1	1730.1	3.91	3.51	3.11	1730.1	2.32	2.96	3.78	400.1	2.16	1.49	1.34
1800.1	1830.1	3.45	3.07	2.86	1830.1	2.40	3.14	4.03	500.1	2.57	1.72	1.46
1900.1	1930.1	3.06	2.85	2.69	1930.1	2.22	3.05	4.03	600.1	2.95	1.97	1.63
2000.1	2030.1	2.97	2.76	2.60	2030.1	2.21	3.04	4.03	700.1	3.39	2.27	1.87
2100.1	2130.1	2.96	2.73	2.56	2130.1	2.45	3.23	4.18	800.1	3.78	2.51	2.07
2200.1	2230.1	3.12	2.85	2.64	2230.1	2.70	3.27	4.05	900.1	4.07	2.67	2.19
2300.1	2330.1	3.10	2.70	2.42	2330.1	3.02	3.43	4.07	1000.1	4.12	2.72	2.25
2400.1	2430.1	2.39	2.10	1.88	2430.1	3.19	3.47	4.02	1100.1	4.01	2.72	2.30
2500.1	2530.1	2.85	2.50	2.23	2530.1	3.25	3.35	3.77	1200.1	3.71	2.58	2.26
2600.1	2630.1	2.91	2.50	2.22	2630.1	3.22	3.13	3.49	1300.1	3.54	2.61	2.41
2700.1	2730.1	2.86	2.56	2.24	2730.1	3.30	3.21	3.48	1400.1	3.60	2.91	2.80
2800.1	2830.1	2.64	2.27	1.97	2830.1	2.96	2.67	2.89	1500.1	3.55	3.17	3.16
2900.1	2930.1	2.16	1.76	1.63	2930.1	2.61	2.18	2.46	1600.1	3.52	3.67	3.85
3000.1	3030.1	1.91	1.72	1.63	3030.1	2.76	2.26	2.39	1700.1	3.80	4.46	4.88
3100.1	3130.1	1.92	1.71	1.59	3130.1	3.11	2.33	2.32	1800.1	4.75	5.78	6.40
3200.1	3230.1	1.94	1.71	1.59	3230.1	3.15	2.27	2.20	1900.1	6.20	7.33	7.91
3300.1	3330.1	1.81	1.56	1.47	3330.1	3.02	2.10	2.02	2000.1	6.82	7.43	7.65
3400.1	3430.1	1.83	1.52	1.36	3430.1	3.04	2.15	2.05	2100.1	5.37	5.52	5.58
3500.1	3530.1	2.51	2.11	1.88	3530.1	2.91	2.11	2.06	2200.1	4.68	4.83	4.94
3600.1	3630.1	2.91	2.41	2.12	3630.1	2.89	2.21	2.16	2300.1	6.21	6.40	6.54
3700.1	3730.1	3.56	2.99	2.55	3730.1	3.04	2.39	2.33	2400.1	7.98	7.99	8.04
3800.1	3830.1	3.75	3.17	2.82	3830.1	3.37	2.63	2.53	2500.1	8.21	7.85	7.78
3900.1	3930.1	4.01	3.39	3.00	3930.1	3.82	2.95	2.74	2600.1	7.32	6.57	6.34
3950.1	3980.1	3.83	3.25	2.93	3980.1	4.32	3.20	2.87	2700.1	5.94	4.98	4.67
4000.1	4030.1	4.06	3.44	3.03	4030.1	4.55	3.35	3.00	2800.1	4.70	3.67	3.28
4100.1	4130.1	3.93	3.32	2.95	4130.1	5.43	3.68	3.14	2900.1	4.09	3.02	2.61
4200.1	4230.1	3.97	3.17	2.77	4230.1	6.77	4.16	3.18	3000.1	3.71	2.78	2.42

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	-6.86	14.63	12.02	32.00	19.67	41.27	34.84	58.31	50.73	53.83
1	---	22.81	---	47.75	13.43	31.77	36.04	37.36	43.74	48.65	64.49	68.96
2	117.33	56.97	54.88	61.98	50.24	63.30	61.93	65.72	56.56	77.10	68.98	72.23
3	124.67	68.76	61.83	77.03	64.14	82.41	72.19	70.47	70.59	77.41	80.05	84.99
4	125.35	99.84	93.43	99.89	101.58	97.74	94.10	92.67	95.19	96.19	97.88	100.27
5	126.16	104.81	103.95	103.15	101.99	105.37	98.00	105.69	103.33	103.03	103.73	104.32
6	125.40	101.70	103.98	104.97	102.15	103.63	104.09	103.61	105.15	104.56	103.60	105.77
7	122.46	101.88	100.37	103.80	104.69	105.19	104.50	105.60	102.69	105.50	104.30	103.29
8	121.90	99.74	100.22	103.07	102.78	103.57	104.07	104.83	104.37	102.99	104.96	104.28
9	120.71	99.20	101.65	101.12	104.51	104.63	103.77	104.41	104.00	105.90	103.66	104.94
10	118.47	97.39	98.54	98.53	100.26	102.12	103.57	102.97	102.92	104.58	102.90	106.65
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 2150 MHz; -10 dBm.
LO IN: 2180 MHz; +10.00 dBm
IF OUT: 30.00 MHz; -15.99 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	3.06	24.94	23.19	43.37	32.03	59.20	48.86	69.90	66.54	65.15
1	---	22.46	---	51.23	13.56	34.57	33.69	40.57	45.05	54.60	67.31	70.32
2	102.28	46.57	46.97	52.08	41.75	59.10	55.68	61.61	47.94	68.44	60.59	71.74
3	123.37	47.46	39.98	55.39	41.09	61.84	49.05	49.24	54.53	55.07	74.72	63.97
4	122.07	76.43	70.83	80.08	68.06	77.91	61.45	65.83	69.47	66.93	72.21	79.80
5	120.67	68.86	72.02	76.11	67.36	80.30	62.69	79.88	66.71	77.01	64.41	77.66
6	121.07	93.27	94.39	97.32	91.14	91.57	88.41	85.32	83.13	79.73	85.67	79.46
7	119.56	101.47	99.30	97.62	102.61	93.76	77.57	96.54	76.58	91.81	82.59	85.90
8	118.94	109.40	111.73	108.19	90.06	92.09	55.67	74.20	91.81	83.56	87.09	95.26
9	116.59	111.43	110.61	110.56	101.90	101.80	96.20	107.43	82.89	102.99	83.80	115.41
10	115.06	107.55	109.06	110.05	111.64	110.06	109.67	110.18	100.00	109.96	102.26	113.98
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 2150 MHz; 0 dBm.
LO IN: 2180 MHz; +10.00 dBm
IF OUT: 30.00 MHz; -5.98 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