

# Frequency Mixer

# MAC-60MH+

## Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)		
		@LO (dBm)		
		+10	+13	+16
1600.1	1630.1	7.52	6.76	6.24
1700.1	1730.1	6.79	6.32	6.04
1800.1	1830.1	6.54	6.15	5.91
1900.1	1930.1	6.35	6.10	5.92
2000.1	2030.1	6.33	6.06	5.88
2100.1	2130.1	6.35	6.00	5.89
2200.1	2230.1	5.93	5.64	5.58
2300.1	2330.1	5.87	5.56	5.44
2400.1	2430.1	5.83	5.60	5.53
2500.1	2530.1	5.76	5.60	5.42
2600.1	2630.1	5.66	5.55	5.55
2700.1	2730.1	5.89	5.74	5.71
2800.1	2830.1	6.33	6.04	6.03
2900.1	2930.1	6.80	6.32	6.07
3000.1	3030.1	7.17	6.64	6.34
3100.1	3130.1	7.07	6.52	6.20
3200.1	3230.1	7.08	6.47	6.14
3400.1	3430.1	7.42	6.74	6.38
3600.1	3630.1	7.37	6.62	6.28
3800.1	3830.1	7.46	6.60	6.13
4000.1	4030.1	7.81	6.99	6.59
4200.1	4230.1	7.44	6.56	6.37
4300.1	4330.1	7.44	6.51	6.36
4400.1	4430.1	7.07	6.19	6.15
4500.1	4530.1	6.99	6.13	6.08
4600.1	4630.1	6.50	5.76	5.79
4700.1	4730.1	7.04	6.33	6.31
4800.1	4830.1	7.96	6.92	6.69
4900.1	4930.1	7.17	6.53	6.41
5000.1	5030.1	6.78	6.34	6.28
5100.1	5130.1	6.41	6.07	6.04
5200.1	5230.1	6.66	6.15	6.04
5300.1	5330.1	6.39	5.88	5.74
5400.1	5430.1	6.23	5.85	5.75
5500.1	5530.1	6.27	5.78	5.55
5600.1	5630.1	6.61	5.99	5.71
5700.1	5730.1	7.27	6.15	5.85
5800.1	5830.1	8.48	6.09	5.82
5900.1	5930.1	9.48	6.43	5.78
6000.1	6030.1	10.35	7.01	5.96

RF (IN) (MHz)	LO (MHz)	IP-3 INPUT (dBm)		
		@LO (dBm)		
		+10	+13	+16
1600.1	1630.1	16.57	16.83	16.49
1700.1	1730.1	17.73	16.75	16.24
1800.1	1830.1	18.83	18.03	17.93
1900.1	1930.1	20.68	17.92	17.19
2000.1	2030.1	23.18	18.97	16.85
2100.1	2130.1	17.39	18.10	18.46
2200.1	2230.1	18.63	20.53	22.66
2300.1	2330.1	19.09	20.11	22.27
2400.1	2430.1	18.30	22.06	24.70
2500.1	2530.1	17.43	20.54	23.80
2600.1	2630.1	23.15	24.32	24.74
2700.1	2730.1	18.93	18.65	20.02
2800.1	2830.1	19.00	19.26	19.35
2900.1	2930.1	18.68	19.68	20.39
3000.1	3030.1	19.16	20.01	21.55
3100.1	3130.1	16.59	16.74	18.14
3200.1	3230.1	18.22	17.93	18.48
3400.1	3430.1	15.79	16.77	17.37
3600.1	3630.1	15.66	16.52	16.63
3800.1	3830.1	14.95	16.44	17.28
4000.1	4030.1	14.46	15.64	17.11
4200.1	4230.1	12.90	16.95	19.41
4300.1	4330.1	13.34	15.33	17.67
4400.1	4430.1	13.69	15.00	17.47
4500.1	4530.1	15.82	15.12	17.90
4600.1	4630.1	21.78	17.18	19.36
4700.1	4730.1	13.40	22.80	21.24
4800.1	4830.1	15.85	17.00	17.47
4900.1	4930.1	14.81	15.54	16.43
5000.1	5030.1	15.26	15.73	16.84
5100.1	5130.1	16.84	16.41	17.54
5200.1	5230.1	17.06	16.68	17.41
5300.1	5330.1	15.18	15.29	16.16
5400.1	5430.1	15.36	15.44	15.97
5500.1	5530.1	15.26	15.77	16.05
5600.1	5630.1	12.97	14.02	14.40
5700.1	5730.1	11.66	14.96	15.06
5800.1	5830.1	13.56	15.67	16.98
5900.1	5930.1	8.10	12.22	16.87
6000.1	6030.1	9.79	8.58	14.53

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+9dBm (dB)		
		@LO (dBm)		
		+10	+13	+16
1600.1	1630.1	2.06	1.91	1.80
1700.1	1730.1	2.09	1.86	1.69
1800.1	1830.1	1.74	1.59	1.51
1900.1	1930.1	1.48	1.26	1.22
2000.1	2030.1	1.28	1.10	1.07
2100.1	2130.1	1.27	1.17	1.07
2200.1	2230.1	1.20	0.98	0.81
2300.1	2330.1	1.20	0.98	0.82
2400.1	2430.1	1.19	0.87	0.70
2500.1	2530.1	1.10	0.66	0.62
2600.1	2630.1	1.11	0.69	0.55
2700.1	2730.1	1.33	0.99	0.77
2800.1	2830.1	1.65	1.31	0.94
2900.1	2930.1	1.56	1.27	1.08
3000.1	3030.1	1.46	1.30	1.11
3100.1	3130.1	1.34	1.19	1.06
3200.1	3230.1	1.18	1.11	0.96
3400.1	3430.1	1.18	1.12	1.05
3600.1	3630.1	0.98	0.89	0.85
3800.1	3830.1	1.36	0.89	0.86
4000.1	4030.1	1.18	0.71	0.60
4200.1	4230.1	1.18	0.87	0.72
4300.1	4330.1	1.09	0.76	0.66
4400.1	4430.1	1.20	0.84	0.73
4500.1	4530.1	1.06	0.70	0.53
4600.1	4630.1	1.24	0.79	0.55
4700.1	4730.1	1.46	1.14	0.75
4800.1	4830.1	0.78	0.96	0.87
4900.1	4930.1	1.03	0.94	0.89
5000.1	5030.1	1.08	0.86	0.80
5100.1	5130.1	1.13	0.79	0.72
5200.1	5230.1	1.09	0.90	0.79
5300.1	5330.1	1.41	1.33	1.23
5400.1	5430.1	1.45	1.24	1.09
5500.1	5530.1	1.28	1.06	1.01
5600.1	5630.1	1.50	1.31	1.28
5700.1	5730.1	1.70	1.53	1.44
5800.1	5830.1	1.54	2.02	1.64
5900.1	5930.1	1.97	2.52	2.11
6000.1	6030.1	2.75	3.36	2.52

# Frequency Mixer

# MAC-60MH+

## Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3800.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1600.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=6000.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+13			+13			+13
2800.0	1000.1	16.31	10.0	1610.1	6.67	3200.0	2800.1	17.02
2600.0	1200.1	13.74	20.0	1620.1	6.77	3100.0	2900.1	14.79
2400.0	1400.1	11.31	30.0	1630.1	6.75	3000.0	3000.1	12.35
2200.0	1600.1	9.87	40.0	1640.1	6.55	2900.0	3100.1	11.54
2000.0	1800.1	8.28	50.0	1650.1	6.64	2800.0	3200.1	11.32
1800.0	2000.1	8.23	60.0	1660.1	6.51	2700.0	3300.1	10.72
1600.0	2200.1	8.04	70.0	1670.1	6.49	2600.0	3400.1	10.26
1400.0	2400.1	9.61	80.0	1680.1	6.42	2500.0	3500.1	9.92
1200.0	2600.1	9.21	90.0	1690.1	6.47	2400.0	3600.1	9.84
1000.0	2800.1	9.35	100.0	1700.1	6.39	2300.0	3700.1	9.62
800.0	3000.1	8.07	110.0	1710.1	6.43	2200.0	3800.1	9.15
600.0	3200.1	6.89	200.0	1800.1	6.05	2100.0	3900.1	9.03
400.0	3400.1	6.52	300.0	1900.1	5.92	2000.0	4000.1	9.11
200.0	3600.1	6.36	400.0	2000.1	5.93	1900.0	4100.1	9.06
120.0	3680.1	6.43	500.0	2100.1	5.97	1800.0	4200.1	8.63
100.0	3700.1	6.40	600.0	2200.1	5.95	1700.0	4300.1	8.83
80.0	3720.1	6.47	700.0	2300.1	6.10	1600.0	4400.1	9.00
60.0	3740.1	6.36	800.0	2400.1	6.36	1500.0	4500.1	9.02
40.0	3760.1	6.29	900.0	2500.1	6.84	1400.0	4600.1	8.91
20.0	3780.1	6.29	1000.0	2600.1	6.96	1300.0	4700.1	8.60
10.0	3810.1	6.35	1100.0	2700.1	6.92	1200.0	4800.1	8.14
30.0	3830.1	6.57	1200.0	2800.1	6.70	1100.0	4900.1	7.69
50.0	3850.1	6.47	1300.0	2900.1	6.52	1000.0	5000.1	7.31
70.0	3870.1	6.51	1400.0	3000.1	6.58	900.0	5100.1	7.03
90.0	3890.1	6.55	1500.0	3100.1	6.90	800.0	5200.1	6.33
110.0	3910.1	6.64	1600.0	3200.1	6.75	700.0	5300.1	6.43
130.0	3930.1	6.73	1700.0	3300.1	6.98	600.0	5400.1	6.31
150.0	3950.1	6.70	1800.0	3400.1	7.52	500.0	5500.1	6.13
300.0	4100.1	7.00	1900.0	3500.1	8.03	400.0	5600.1	6.35
500.0	4300.1	6.85	2000.0	3600.1	8.31	300.0	5700.1	6.61
700.0	4500.1	6.67	2100.0	3700.1	8.01	200.0	5800.1	6.77
900.0	4700.1	7.34	2200.0	3800.1	8.24	180.0	5820.1	6.70
1100.0	4900.1	8.44	2300.0	3900.1	7.92	160.0	5840.1	6.72
1300.0	5100.1	8.91	2400.0	4000.1	7.89	140.0	5860.1	6.64
1500.0	5300.1	8.30	2500.0	4100.1	8.29	120.0	5880.1	6.60
1700.0	5500.1	7.95	2600.0	4200.1	9.25	100.0	5900.1	6.56
1900.0	5700.1	9.11	2700.0	4300.1	10.08	80.0	5920.1	6.65
2100.0	5900.1	10.24	2800.0	4400.1	11.42	60.0	5940.1	6.82
2300.0	6100.1	13.10	2900.0	4500.1	12.76	40.0	5960.1	6.83
2500.0	6300.1	15.45	3000.0	4600.1	14.16	20.0	5980.1	6.75

# Frequency Mixer

# MAC-60MH+

## 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)		
	+10	+13	+16	+10	+13	+16			+10	+13	+16
1630.1	33.32	32.32	32.04	15.35	17.62	19.75	1600.1	1630.1	13.19	12.02	11.32
1730.1	36.11	34.93	34.45	16.14	18.49	20.47	1700.1	1730.1	14.72	13.70	13.03
1830.1	41.69	39.96	38.29	17.32	19.62	21.21	1800.1	1830.1	17.99	16.90	16.05
1930.1	47.70	44.71	42.75	18.43	20.23	20.93	1900.1	1930.1	20.58	20.14	19.68
2030.1	41.48	38.16	36.10	18.78	19.96	19.83	2000.1	2030.1	21.54	21.92	22.09
2130.1	39.29	36.29	33.15	18.64	19.53	19.19	2100.1	2130.1	24.12	24.13	22.71
2230.1	35.53	33.71	32.06	20.29	19.77	18.67	2200.1	2230.1	24.15	22.81	21.62
2330.1	34.88	33.24	31.73	20.38	19.05	17.87	2300.1	2330.1	23.72	22.34	21.15
2430.1	36.34	34.29	32.65	20.13	18.70	17.61	2400.1	2430.1	21.86	20.78	19.94
2530.1	37.65	35.14	33.16	20.00	18.43	17.38	2500.1	2530.1	19.59	18.74	18.16
2630.1	34.47	32.95	32.01	20.09	18.55	17.55	2600.1	2630.1	18.76	18.22	17.85
2730.1	37.31	35.98	34.99	19.85	18.59	17.74	2700.1	2730.1	19.11	18.67	18.37
2830.1	40.35	39.53	38.49	19.46	18.57	17.90	2800.1	2830.1	20.61	20.26	19.92
2930.1	35.11	34.94	34.79	18.87	18.48	18.11	2900.1	2930.1	23.33	22.61	22.02
3030.1	33.77	33.87	33.86	17.85	18.03	18.02	3000.1	3030.1	23.84	23.57	23.18
3130.1	33.55	33.42	33.05	16.79	17.55	18.05	3100.1	3130.1	20.59	20.72	20.56
3230.1	34.18	34.63	34.47	16.00	17.30	18.38	3200.1	3230.1	19.78	20.12	20.20
3430.1	34.45	34.00	33.59	14.33	16.41	18.43	3400.1	3430.1	20.86	21.17	21.37
3630.1	39.21	35.65	33.08	14.28	15.72	16.39	3600.1	3630.1	30.20	29.96	29.73
3830.1	47.79	37.59	33.28	17.32	16.55	15.21	3800.1	3830.1	17.65	17.55	17.50
4030.1	44.52	39.07	33.78	20.49	16.83	14.68	4000.1	4030.1	14.12	14.00	13.93
4230.1	37.31	45.66	42.18	23.86	18.31	15.44	4200.1	4230.1	13.17	13.04	12.87
4330.1	36.82	37.39	35.34	24.17	19.15	16.21	4300.1	4330.1	13.30	13.09	12.87
4430.1	33.16	34.40	32.94	24.16	19.73	16.90	4400.1	4430.1	13.60	13.64	13.46
4530.1	31.81	32.70	30.91	23.34	19.81	17.34	4500.1	4530.1	13.93	14.05	14.02
4630.1	31.61	30.62	27.99	23.12	20.19	18.04	4600.1	4630.1	13.99	13.97	14.01
4730.1	31.34	32.27	30.70	23.02	20.71	18.92	4700.1	4730.1	14.98	14.82	14.83
4830.1	28.37	30.03	31.40	22.78	21.22	19.99	4800.1	4830.1	14.81	14.55	14.43
4930.1	26.38	27.61	28.34	22.33	21.70	21.31	4900.1	4930.1	14.52	14.24	14.18
5030.1	24.55	25.52	25.98	21.77	21.92	22.37	5000.1	5030.1	14.28	13.86	13.87
5130.1	23.06	23.95	24.27	21.14	22.00	22.96	5100.1	5130.1	14.43	14.13	14.24
5230.1	22.33	23.59	24.24	19.96	21.32	22.48	5200.1	5230.1	14.74	14.62	14.82
5330.1	20.99	22.36	23.28	19.28	20.67	21.86	5300.1	5330.1	15.23	15.15	15.28
5430.1	20.11	21.51	22.41	17.20	18.70	20.35	5400.1	5430.1	14.36	13.93	13.80
5530.1	20.26	21.90	23.08	14.52	16.59	18.93	5500.1	5530.1	15.15	14.84	14.89
5630.1	20.00	21.72	23.19	11.57	13.71	16.20	5600.1	5630.1	19.14	18.51	18.30
5730.1	20.43	21.77	22.90	10.13	12.47	15.01	5700.1	5730.1	21.30	20.30	19.83
5830.1	21.73	22.94	23.85	9.81	12.15	14.63	5800.1	5830.1	26.04	22.92	21.87
5930.1	22.99	23.89	24.96	10.00	12.04	14.24	5900.1	5930.1	25.49	24.47	22.43
6030.1	23.25	24.00	25.54	9.90	11.83	13.74	6000.1	6030.1	21.83	23.30	22.38

## Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=6000.1MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+10	+13	+16		+10	+13	+16		+10	+13	+16
1600.1	1630.1	2.89	2.54	2.30	1630.1	3.77	3.70	4.32	10.1	2.85	1.62	1.14
1700.1	1730.1	2.99	2.73	2.58	1730.1	2.54	2.81	3.54	15.1	3.17	1.73	1.16
1800.1	1830.1	3.19	2.94	2.78	1830.1	1.85	2.28	3.01	20.1	3.08	1.73	1.19
1900.1	1930.1	3.31	3.06	2.91	1930.1	1.43	1.92	2.64	25.1	3.09	1.76	1.19
2000.1	2030.1	3.43	3.11	2.87	2030.1	1.28	1.79	2.47	30.1	3.26	1.81	1.18
2100.1	2130.1	3.49	3.09	2.80	2130.1	1.31	1.76	2.40	35.1	3.29	1.84	1.21
2200.1	2230.1	3.01	2.70	2.51	2230.1	1.41	1.74	2.33	40.1	3.35	1.86	1.25
2300.1	2330.1	2.95	2.64	2.41	2330.1	1.32	1.70	2.34	45.1	3.47	1.90	1.26
2400.1	2430.1	2.66	2.39	2.24	2430.1	1.39	1.79	2.41	50.1	3.45	1.92	1.28
2500.1	2530.1	2.17	1.95	1.83	2530.1	1.38	1.80	2.47	55.1	3.41	1.88	1.29
2600.1	2630.1	2.00	1.82	1.72	2630.1	1.23	1.80	2.51	60.1	3.48	1.93	1.30
2700.1	2730.1	2.36	2.16	2.01	2730.1	1.24	1.86	2.61	65.1	3.43	1.90	1.30
2800.1	2830.1	2.89	2.68	2.51	2830.1	1.37	1.98	2.73	70.1	3.44	1.91	1.30
2900.1	2930.1	3.39	3.10	2.87	2930.1	1.54	2.09	2.86	75.1	3.47	1.94	1.30
3000.1	3030.1	3.56	3.28	3.08	3030.1	1.73	2.24	2.97	80.1	3.42	1.92	1.30
3100.1	3130.1	3.42	3.07	2.81	3130.1	1.95	2.40	3.09	85.1	3.40	1.91	1.30
3200.1	3230.1	3.27	2.90	2.64	3230.1	2.17	2.56	3.21	90.1	3.41	1.94	1.33
3400.1	3430.1	3.28	2.94	2.71	3430.1	2.72	2.85	3.34	95.1	3.42	1.94	1.34
3600.1	3630.1	3.43	2.96	2.64	3630.1	3.35	3.18	3.41	100.1	3.46	1.96	1.38
3800.1	3830.1	3.30	2.82	2.48	3830.1	4.01	3.43	3.36	110.1	3.40	1.95	1.40
4000.1	4030.1	3.14	2.70	2.46	4030.1	4.56	3.52	3.32	120.1	3.46	1.98	1.42
4200.1	4230.1	2.83	2.29	2.11	4230.1	4.93	3.17	2.79	200.1	3.68	2.18	1.65
4300.1	4330.1	2.89	2.20	1.99	4330.1	5.71	3.50	2.87	300.1	4.05	2.48	1.94
4400.1	4430.1	2.90	2.13	1.91	4430.1	5.89	3.39	2.66	400.1	4.44	2.76	2.19
4500.1	4530.1	2.90	2.12	1.86	4530.1	5.85	3.39	2.55	500.1	4.86	3.00	2.40
4600.1	4630.1	2.53	1.83	1.59	4630.1	5.28	3.06	2.26	600.1	5.43	3.28	2.59
4700.1	4730.1	2.53	1.99	1.73	4730.1	4.72	2.71	1.96	700.1	6.06	3.59	2.73
4800.1	4830.1	3.27	2.64	2.32	4830.1	4.03	2.31	1.65	800.1	6.53	3.86	2.86
4900.1	4930.1	2.97	2.45	2.16	4930.1	3.28	1.92	1.39	900.1	6.83	4.02	2.92
5000.1	5030.1	2.59	2.14	1.91	5030.1	2.63	1.56	1.20	1000.1	6.99	4.18	3.03
5100.1	5130.1	2.33	1.94	1.71	5130.1	2.05	1.29	1.24	1100.1	7.16	4.37	3.09
5200.1	5230.1	2.20	1.87	1.66	5230.1	1.62	1.17	1.45	1200.1	7.47	4.61	3.19
5300.1	5330.1	2.09	1.83	1.60	5330.1	1.39	1.35	1.76	1300.1	7.47	4.71	3.21
5400.1	5430.1	2.01	1.74	1.53	5430.1	1.48	1.66	2.12	1400.1	7.31	4.87	3.24
5500.1	5530.1	1.90	1.65	1.44	5530.1	1.86	2.06	2.53	1500.1	7.19	5.14	3.29
5600.1	5630.1	1.88	1.65	1.48	5630.1	2.48	2.59	3.04	1600.1	7.18	5.51	3.30
5700.1	5730.1	1.94	1.72	1.60	5730.1	3.44	3.30	3.66	1700.1	7.44	6.04	3.35
5800.1	5830.1	2.55	1.89	1.79	5830.1	4.71	4.29	4.38	1800.1	8.18	6.36	3.35
5900.1	5930.1	3.33	2.36	2.09	5930.1	5.92	5.85	5.43	1900.1	8.67	6.20	3.34
6000.1	6030.1	3.52	2.82	2.31	6030.1	6.90	7.29	7.05	2000.1	8.62	5.76	3.37

## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	-9.71	20.21	23.94	31.10	16.96	70.32	---	---	---	---
1	---	11.38	---	29.87	19.76	45.74	33.36	62.02	73.03	---	---	---
2	116.09	50.94	43.97	51.40	45.63	52.41	71.59	50.64	53.33	85.21	---	---
3	123.05	66.25	57.52	72.74	65.44	65.19	68.69	73.47	72.07	78.65	100.90	---
4	124.97	85.18	102.04	89.79	84.37	90.75	82.36	89.02	100.31	79.43	84.50	108.77
5	119.07	101.46	102.56	102.65	102.99	97.38	91.60	99.62	98.01	107.85	99.18	96.06
6	131.26	114.47	103.56	100.38	104.03	104.74	90.57	98.77	86.48	105.66	108.44	99.32
7	---	---	110.63	98.38	102.68	103.16	103.26	90.03	98.36	86.12	109.32	108.16
8	---	---	---	112.88	100.16	101.56	104.40	103.73	103.30	102.10	108.40	112.03
9	---	---	---	---	108.61	101.30	101.81	103.70	101.83	105.97	108.35	107.19
10	---	---	---	---	---	111.34	103.13	103.96	106.34	105.76	104.26	107.31
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions:

RF IN: 3800.1 MHz; -6.00 dBm  
 LO IN: 3830.1 MHz; +13.00 dBm  
 IF OUT: 30 MHz; -12.32 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	0.33	31.15	35.20	51.28	31.23	89.00	---	---	---	---
1	---	11.14	---	34.10	19.82	50.91	34.05	61.37	82.59	---	---	---
2	106.62	39.50	34.40	41.32	38.21	45.65	61.13	48.05	48.44	102.57	---	---
3	137.85	46.27	37.49	54.30	46.74	46.37	51.78	57.60	66.64	72.73	93.79	---
4	110.65	57.24	81.50	60.59	57.82	60.04	55.13	60.19	84.63	56.81	66.79	93.46
5	105.26	88.79	75.06	77.11	68.83	77.06	55.22	68.56	63.55	73.94	64.68	77.08
6	120.48	116.07	78.83	78.27	97.24	80.87	75.84	75.72	73.80	78.01	94.34	69.09
7	---	---	121.04	95.43	100.67	91.18	81.26	96.83	73.29	75.94	82.02	86.83
8	---	---	---	113.06	90.62	90.18	105.04	91.97	90.71	90.47	84.49	83.21
9	---	---	---	---	111.25	102.65	113.28	98.53	95.05	108.80	85.29	87.39
10	---	---	---	---	---	109.08	97.93	102.16	98.96	104.51	98.91	98.96
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions:

RF IN: 3800.1 MHz; 4.00 dBm  
 LO IN: 3830.1 MHz; +13.00 dBm  
 IF OUT: 30 MHz; -2.3 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