

# Frequency Mixer

# MAC-80MH+

## 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
2800.1	2830.1	5.81	5.69	5.72	2800.1	2830.1	17.94	18.20	16.73	2800.1	2830.1	1.95	1.79	1.74
2900.1	2930.1	5.61	5.46	5.44	2900.1	2930.1	17.82	19.39	19.29	2900.1	2930.1	1.83	1.59	1.52
3000.1	3030.1	5.48	5.35	5.26	3000.1	3030.1	17.18	18.36	19.39	3000.1	3030.1	1.68	1.50	1.52
3100.1	3130.1	5.47	5.25	5.12	3100.1	3130.1	15.85	16.54	17.16	3100.1	3130.1	1.72	1.56	1.46
3200.1	3230.1	5.46	5.24	5.17	3200.1	3230.1	16.55	17.77	18.16	3200.1	3230.1	1.65	1.45	1.28
3300.1	3330.1	5.28	5.10	5.02	3300.1	3330.1	16.79	18.31	18.68	3300.1	3330.1	1.65	1.40	1.30
3400.1	3430.1	5.11	4.94	4.88	3400.1	3430.1	17.94	19.65	19.54	3400.1	3430.1	1.44	1.15	1.09
3500.1	3530.1	4.98	4.78	4.72	3500.1	3530.1	18.19	20.14	20.35	3500.1	3530.1	1.27	0.94	0.89
3600.1	3630.1	4.96	4.75	4.70	3600.1	3630.1	17.02	20.18	20.28	3600.1	3630.1	1.26	0.75	0.66
3700.1	3730.1	4.97	4.79	4.78	3700.1	3730.1	16.12	18.83	19.94	3700.1	3730.1	1.42	0.72	0.51
3800.1	3830.1	5.03	4.87	4.94	3800.1	3830.1	16.34	17.59	19.26	3800.1	3830.1	2.52	1.85	1.43
3900.1	3930.1	7.17	6.50	6.22	3900.1	3930.1	18.72	21.59	21.52	3900.1	3930.1	2.24	1.87	1.56
4000.1	4030.1	6.88	6.21	5.97	4000.1	4030.1	15.68	16.70	17.24	4000.1	4030.1	1.84	1.68	1.52
4100.1	4130.1	6.80	6.13	5.90	4100.1	4130.1	15.42	16.33	17.65	4100.1	4130.1	1.52	1.49	1.35
4200.1	4230.1	7.15	6.52	6.21	4200.1	4230.1	16.53	16.71	17.99	4200.1	4230.1	1.18	1.15	1.13
4400.1	4430.1	7.61	6.97	6.69	4400.1	4430.1	17.38	17.08	19.15	4400.1	4430.1	1.16	0.86	0.74
4600.1	4630.1	7.86	7.05	6.63	4600.1	4630.1	16.62	16.74	17.23	4600.1	4630.1	0.87	0.83	0.85
4800.1	4830.1	7.09	6.40	6.15	4800.1	4830.1	14.19	15.14	15.46	4800.1	4830.1	1.09	0.93	0.85
5000.1	5030.1	6.69	6.01	5.76	5000.1	5030.1	12.89	14.59	15.41	5000.1	5030.1	1.31	0.95	0.88
5200.1	5230.1	6.48	5.64	5.43	5200.1	5230.1	13.21	14.76	15.07	5200.1	5230.1	1.34	0.97	0.83
5400.1	5430.1	6.32	5.61	5.38	5400.1	5430.1	13.23	15.65	16.06	5400.1	5430.1	1.39	0.96	0.74
5600.1	5630.1	6.69	5.70	5.48	5600.1	5630.1	16.38	19.63	20.03	5600.1	5630.1	1.22	1.14	0.93
5800.1	5830.1	7.71	6.44	6.06	5800.1	5830.1	13.50	15.93	16.73	5800.1	5830.1	0.78	0.85	0.83
6000.1	6030.1	8.09	6.36	6.07	6000.1	6030.1	12.89	15.81	16.65	6000.1	6030.1	0.44	0.73	0.67
6200.1	6230.1	8.35	6.18	5.99	6200.1	6230.1	11.67	15.24	16.67	6200.1	6230.1	0.11	0.83	0.72
6400.1	6430.1	8.51	6.16	5.85	6400.1	6430.1	11.42	14.87	15.82	6400.1	6430.1	-0.04	0.69	0.64
6600.1	6630.1	7.69	5.83	5.66	6600.1	6630.1	11.91	15.12	16.66	6600.1	6630.1	0.58	0.98	0.97
6800.1	6830.1	6.78	5.79	5.71	6800.1	6830.1	12.95	15.26	16.69	6800.1	6830.1	0.98	0.88	0.92
6900.1	6930.1	6.56	5.78	5.77	6900.1	6930.1	13.40	15.61	16.96	6900.1	6930.1	1.04	0.89	0.94
7000.1	7030.1	6.41	5.73	5.75	7000.1	7030.1	13.62	15.61	16.76	7000.1	7030.1	1.12	0.95	1.04
7100.1	7130.1	6.48	5.89	5.89	7100.1	7130.1	14.10	15.55	16.80	7100.1	7130.1	0.96	0.82	0.96
7200.1	7230.1	6.57	5.88	5.85	7200.1	7230.1	14.77	16.37	17.63	7200.1	7230.1	0.96	0.90	1.03
7300.1	7330.1	6.83	6.11	6.05	7300.1	7330.1	14.83	16.48	17.78	7300.1	7330.1	0.84	0.85	1.04
7400.1	7430.1	7.00	6.09	6.02	7400.1	7430.1	15.42	16.77	18.04	7400.1	7430.1	0.93	0.98	1.21
7500.1	7530.1	7.60	6.29	6.22	7500.1	7530.1	15.78	16.73	18.07	7500.1	7530.1	0.58	0.80	0.99
7600.1	7630.1	8.26	6.37	6.17	7600.1	7630.1	13.78	16.98	17.95	7600.1	7630.1	0.20	0.77	1.01
7700.1	7730.1	8.57	6.45	6.26	7700.1	7730.1	12.45	16.89	18.30	7700.1	7730.1	-0.02	0.70	0.90
7800.1	7830.1	9.94	6.50	6.32	7800.1	7830.1	10.86	16.76	18.08	7800.1	7830.1	-1.06	0.61	0.89
7900.1	7930.1	10.55	6.44	6.33	7900.1	7930.1	8.91	16.46	18.19	7900.1	7930.1	-1.72	0.55	0.78
8000.1	8030.1	11.39	6.39	6.27	8000.1	8030.1	7.31	16.68	18.49	8000.1	8030.1	-2.48	0.59	0.84

## Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=5400.1MHz (dB)
		@LO (dBm)
		+13
3500.0	1900.1	15.51
3300.0	2100.1	12.30
3100.0	2300.1	11.24
2900.0	2500.1	9.42
2700.0	2700.1	8.14
2500.0	2900.1	8.09
2300.0	3100.1	8.50
2100.0	3300.1	8.99
1900.0	3500.1	9.23
1700.0	3700.1	10.17
1500.0	3900.1	9.40
1300.0	4100.1	8.59
1100.0	4300.1	8.19
900.0	4500.1	6.93
700.0	4700.1	6.46
500.0	4900.1	5.46
300.0	5100.1	5.49
120.0	5280.1	5.62
80.0	5320.1	5.54
40.0	5360.1	5.56
20.0	5420.1	5.59
60.0	5460.1	5.49
100.0	5500.1	5.44
300.0	5700.1	5.35
500.0	5900.1	6.32
700.0	6100.1	7.45
900.0	6300.1	7.94
1100.0	6500.1	8.54
1300.0	6700.1	8.98
1500.0	6900.1	9.38
1700.0	7100.1	9.51
1900.0	7300.1	9.33
2100.0	7500.1	9.18
2300.0	7700.1	8.66
2500.0	7900.1	7.38
2700.0	8100.1	7.57
2900.0	8300.1	8.43
3100.0	8500.1	9.25
3300.0	8700.1	10.26
3500.0	8900.1	13.53

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2800.1MHz (dB)
		@LO (dBm)
		+13
10.0	2810.1	5.83
20.0	2820.1	5.68
30.0	2830.1	5.66
40.0	2840.1	5.53
50.0	2850.1	5.52
60.0	2860.1	5.52
70.0	2870.1	5.46
80.0	2880.1	5.50
90.0	2890.1	5.53
100.0	2900.1	5.49
110.0	2910.1	5.46
120.0	2920.1	5.42
130.0	2930.1	5.42
140.0	2940.1	5.37
150.0	2950.1	5.37
160.0	2960.1	5.31
170.0	2970.1	5.28
200.0	3000.1	5.28
400.0	3200.1	5.46
600.0	3400.1	5.48
800.0	3600.1	5.40
1000.0	3800.1	5.87
1200.0	4000.1	7.15
1400.0	4200.1	7.65
1600.0	4400.1	7.92
1800.0	4600.1	8.29
2000.0	4800.1	8.25
2200.0	5000.1	9.93
2400.0	5200.1	9.60
2600.0	5400.1	9.01
2800.0	5600.1	8.88
3000.0	5800.1	9.30
3200.0	6000.1	10.08
3400.0	6200.1	10.91
3600.0	6400.1	10.97
3800.0	6600.1	11.38
4000.0	6800.1	10.53
4200.0	7000.1	9.70
4400.0	7200.1	11.85
4600.0	7400.1	16.74

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=8000.1MHz (dB)
		@LO (dBm)
		+13
4600.0	3400.1	16.07
4400.0	3600.1	11.32
4200.0	3800.1	9.16
4000.0	4000.1	9.26
3800.0	4200.1	10.12
3600.0	4400.1	10.74
3400.0	4600.1	11.18
3200.0	4800.1	11.00
3000.0	5000.1	10.42
2800.0	5200.1	9.63
2600.0	5400.1	8.72
2500.0	5500.1	8.89
2400.0	5600.1	8.92
2300.0	5700.1	9.09
2200.0	5800.1	9.39
2100.0	5900.1	9.83
2000.0	6000.1	10.19
1900.0	6100.1	10.66
1800.0	6200.1	10.83
1700.0	6300.1	10.80
1600.0	6400.1	10.48
1500.0	6500.1	10.28
1400.0	6600.1	10.08
1300.0	6700.1	9.85
1200.0	6800.1	9.20
1100.0	6900.1	8.64
1000.0	7000.1	8.10
900.0	7100.1	7.64
800.0	7200.1	7.37
700.0	7300.1	7.16
600.0	7400.1	7.03
500.0	7500.1	6.89
400.0	7600.1	6.83
300.0	7700.1	6.72
200.0	7800.1	6.42
100.0	7900.1	6.37
80.0	7920.1	6.41
60.0	7940.1	6.37
40.0	7960.1	6.39
20.0	7980.1	6.42

# Frequency Mixer

# MAC-80MH+

## Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+10	+13	+16	+10	+13	+16
2830.1	36.32	33.29	31.32	11.60	10.15	9.00
2930.1	36.19	33.69	32.21	11.94	10.59	9.56
3030.1	44.48	37.07	33.98	11.68	10.76	10.02
3130.1	59.52	43.81	38.23	12.30	11.52	10.84
3230.1	51.09	43.05	38.14	12.56	11.98	11.40
3330.1	39.71	38.19	36.03	12.73	12.43	12.03
3430.1	39.12	36.55	34.63	12.69	12.66	12.46
3530.1	38.12	38.60	36.35	12.15	12.52	12.62
3630.1	33.08	33.76	33.48	11.99	12.55	12.85
3730.1	30.56	30.55	30.59	11.85	12.63	13.12
3830.1	35.56	35.63	35.29	11.42	12.43	13.21
3930.1	31.45	36.32	38.82	11.11	12.27	13.25
4030.1	27.01	29.91	31.62	10.89	12.28	13.54
4130.1	24.56	26.73	28.41	11.04	12.64	14.16
4230.1	23.17	25.26	27.04	11.59	13.39	15.15
4430.1	23.39	25.27	27.31	15.48	17.47	19.26
4630.1	25.21	27.76	30.08	21.57	22.49	22.96
4830.1	28.81	32.33	35.75	27.56	25.82	24.58
5030.1	30.89	33.31	35.90	28.58	26.11	24.60
5230.1	33.66	34.98	34.80	27.56	26.19	25.02
5430.1	38.94	39.70	38.24	26.90	26.41	25.74
5630.1	39.25	37.43	36.64	27.12	27.25	27.01
5830.1	45.15	43.93	46.22	28.00	28.58	28.84
6030.1	42.06	44.32	45.40	29.34	30.17	30.85
6230.1	40.60	43.77	48.94	31.06	32.16	33.21
6430.1	38.35	41.93	46.94	33.54	34.86	36.23
6630.1	44.03	42.67	39.28	37.62	38.03	38.29
6830.1	48.72	39.89	35.63	38.81	35.63	34.22
6930.1	43.24	37.06	33.56	34.37	32.38	31.51
7030.1	39.75	35.25	32.22	30.40	29.38	29.08
7130.1	36.84	33.44	30.70	27.06	26.52	26.64
7230.1	34.47	32.49	29.99	24.59	24.30	24.63
7330.1	31.35	30.55	29.03	22.51	22.53	23.09
7430.1	29.35	29.02	27.79	20.12	20.01	20.70
7530.1	28.78	28.85	27.65	18.38	18.20	18.97
7630.1	28.04	28.33	27.50	17.00	17.47	18.49
7730.1	26.33	26.53	26.11	17.02	18.68	19.58
7830.1	25.28	25.84	25.50	20.59	21.26	20.93
7930.1	24.00	24.92	24.80	25.65	23.59	21.52
8030.1	22.52	23.56	23.82	26.62	24.75	22.15

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+10	+13	+16
2800.1	2830.1	25.72	23.58	22.31
2900.1	2930.1	24.07	22.68	21.55
3000.1	3030.1	22.52	21.59	20.58
3100.1	3130.1	21.46	20.67	19.93
3200.1	3230.1	20.68	20.03	19.42
3300.1	3330.1	19.44	18.84	18.34
3400.1	3430.1	18.61	18.00	17.49
3500.1	3530.1	17.03	16.68	16.35
3600.1	3630.1	15.77	15.42	15.08
3700.1	3730.1	14.93	14.67	14.45
3800.1	3830.1	14.88	15.17	15.32
3900.1	3930.1	14.13	14.42	14.46
4000.1	4030.1	10.91	11.05	11.05
4100.1	4130.1	9.00	9.17	9.17
4200.1	4230.1	7.50	7.81	7.91
4400.1	4430.1	7.01	7.51	7.72
4600.1	4630.1	8.59	9.11	9.53
4800.1	4830.1	11.11	11.52	11.95
5000.1	5030.1	13.64	14.20	14.56
5200.1	5230.1	16.06	16.62	17.26
5400.1	5430.1	19.10	19.68	20.26
5600.1	5630.1	22.38	22.81	23.14
5800.1	5830.1	26.07	26.18	26.25
6000.1	6030.1	31.18	30.74	30.58
6200.1	6230.1	34.31	32.73	32.04
6400.1	6430.1	31.41	31.03	30.17
6600.1	6630.1	27.54	27.99	27.92
6800.1	6830.1	25.08	25.86	26.08
6900.1	6930.1	24.06	24.92	25.23
7000.1	7030.1	23.09	24.05	24.44
7100.1	7130.1	22.57	23.42	23.98
7200.1	7230.1	21.89	22.76	23.36
7300.1	7330.1	21.43	22.12	22.51
7400.1	7430.1	20.98	21.88	22.35
7500.1	7530.1	20.70	21.51	21.80
7600.1	7630.1	20.45	20.73	20.62
7700.1	7730.1	19.75	19.21	18.96
7800.1	7830.1	20.16	19.59	19.45
7900.1	7930.1	19.92	20.31	20.47
8000.1	8030.1	19.08	19.99	20.51

# Frequency Mixer

# MAC-80MH+

## Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=8000.1MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+10	+13	+16		+10	+13	+16		+10	+13	+16
2800.1	2830.1	2.90	2.41	2.02	2830.1	1.67	2.23	2.81	10.1	2.32	1.06	1.18
2900.1	2930.1	2.66	2.26	1.96	2930.1	1.67	2.26	2.90	20.1	2.20	1.04	1.34
3000.1	3030.1	2.62	2.26	1.93	3030.1	1.69	2.33	3.02	30.1	2.27	1.02	1.29
3100.1	3130.1	2.48	2.15	1.90	3130.1	1.72	2.38	3.10	40.1	2.33	1.02	1.27
3200.1	3230.1	2.16	1.87	1.67	3230.1	1.73	2.39	3.14	50.1	2.34	1.04	1.26
3300.1	3330.1	2.02	1.74	1.55	3330.1	1.77	2.42	3.19	60.1	2.34	1.08	1.27
3400.1	3430.1	1.89	1.62	1.45	3430.1	1.81	2.43	3.20	70.1	2.32	1.10	1.29
3500.1	3530.1	1.78	1.54	1.38	3530.1	2.06	2.56	3.28	80.1	2.32	1.12	1.29
3600.1	3630.1	1.61	1.38	1.22	3630.1	2.33	2.71	3.37	90.1	2.31	1.12	1.32
3700.1	3730.1	1.55	1.30	1.17	3730.1	2.51	2.79	3.38	100.1	2.31	1.11	1.32
3800.1	3830.1	1.71	1.55	1.50	3830.1	2.73	2.88	3.38	110.1	2.29	1.10	1.31
3900.1	3930.1	2.92	2.69	2.51	3930.1	2.85	2.94	3.41	120.1	2.39	1.09	1.28
4000.1	4030.1	2.75	2.44	2.26	4030.1	2.96	2.93	3.34	130.1	2.39	1.12	1.25
4100.1	4130.1	2.32	2.06	1.88	4130.1	3.15	3.03	3.35	140.1	2.47	1.16	1.27
4200.1	4230.1	1.95	1.75	1.62	4230.1	3.27	3.10	3.35	150.1	2.45	1.18	1.29
4400.1	4430.1	1.94	1.75	1.63	4430.1	3.50	3.16	3.32	160.1	2.45	1.20	1.31
4600.1	4630.1	2.56	2.24	2.02	4630.1	3.91	3.35	3.36	170.1	2.46	1.21	1.32
4800.1	4830.1	2.75	2.37	2.07	4830.1	4.12	3.34	3.33	180.1	2.49	1.21	1.32
5000.1	5030.1	2.76	2.29	2.00	5030.1	4.43	3.29	3.18	200.1	2.50	1.21	1.32
5200.1	5230.1	2.99	2.40	1.97	5230.1	4.89	3.57	3.34	250.1	2.71	1.34	1.36
5400.1	5430.1	2.86	2.37	2.02	5430.1	4.95	3.55	3.37	300.1	2.76	1.34	1.35
5600.1	5630.1	2.87	2.23	1.89	5630.1	5.09	3.47	3.24	350.1	3.04	1.48	1.42
5800.1	5830.1	3.62	2.88	2.50	5830.1	5.89	3.82	3.37	400.1	3.16	1.50	1.40
6000.1	6030.1	4.32	3.15	2.67	6030.1	7.02	4.30	3.62	450.1	3.42	1.66	1.53
6200.1	6230.1	3.82	2.72	2.36	6230.1	8.43	4.65	3.65	500.1	3.66	1.75	1.56
6400.1	6430.1	3.92	2.68	2.18	6430.1	9.60	5.05	3.62	550.1	3.80	1.90	1.69
6600.1	6630.1	3.55	2.50	2.20	6630.1	9.21	4.49	3.24	600.1	4.05	1.99	1.74
6800.1	6830.1	2.89	2.19	1.96	6830.1	6.95	3.59	2.61	650.1	4.07	2.08	1.83
6900.1	6930.1	2.82	2.19	1.97	6930.1	5.89	3.16	2.32	700.1	4.32	2.20	1.90
7000.1	7030.1	2.53	2.01	1.82	7030.1	5.00	2.79	2.06	750.1	4.25	2.27	1.97
7100.1	7130.1	2.48	2.02	1.80	7130.1	4.42	2.60	1.95	800.1	4.52	2.45	2.09
7200.1	7230.1	2.48	2.04	1.83	7230.1	3.99	2.43	1.89	850.1	4.46	2.50	2.15
7300.1	7330.1	2.47	2.03	1.85	7330.1	3.79	2.39	1.90	900.1	4.84	2.77	2.37
7400.1	7430.1	2.69	2.17	1.99	7430.1	3.67	2.35	1.89	950.1	4.75	2.75	2.36
7500.1	7530.1	2.87	2.27	2.10	7530.1	3.59	2.40	1.96	1000.1	5.14	3.03	2.60
7600.1	7630.1	2.99	2.30	2.10	7630.1	3.86	2.62	2.09	1050.1	5.19	3.02	2.59
7700.1	7730.1	3.28	2.52	2.28	7730.1	4.24	2.76	2.22	1100.1	5.26	3.21	2.77
7800.1	7830.1	4.00	2.72	2.47	7830.1	4.22	2.96	2.30	1150.1	5.25	3.17	2.74
7900.1	7930.1	4.23	2.76	2.49	7930.1	4.82	3.17	2.39	1200.1	5.24	3.31	2.88
8000.1	8030.1	4.91	3.00	2.65	8030.1	5.03	3.32	2.43	1250.1	5.14	3.19	2.79



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## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	3.55	28.99	19.70	66.97	---	---	---	---	---	
1	---	14.33	---	40.87	23.65	51.24	66.90	---	---	---	---	
2	---	59.55	62.34	61.42	66.40	65.27	63.22	94.42	---	---	---	
3	114.97	85.40	62.80	76.76	71.85	75.03	75.47	80.05	92.10	---	---	
4	116.79	110.48	102.05	94.18	103.04	91.01	107.75	92.85	100.75	112.93	---	
5	123.53	---	109.43	105.14	104.18	103.77	107.33	107.70	104.74	99.20	110.45	
6	---	---	---	110.72	100.29	111.58	96.67	108.95	100.96	106.51	103.07	108.27
7	---	---	---	---	117.39	102.16	107.18	107.39	98.30	105.82	104.01	102.16
8	---	---	---	---	---	109.93	98.52	103.56	103.88	100.92	103.35	104.84
9	---	---	---	---	---	---	114.48	104.18	104.41	104.32	113.63	112.67
10	---	---	---	---	---	---	---	115.53	106.86	105.73	109.40	112.32
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions:

RF IN: 5400.1 MHz; -6.00 dBm  
 LO IN: 5430.1 MHz; +13.00 dBm  
 IF OUT: 30 MHz; -11.35 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	13.45	38.02	31.43	72.91	---	---	---	---	---	
1	---	14.61	---	41.76	23.66	57.28	73.05	---	---	---	---	
2	---	49.52	52.84	56.45	59.10	58.37	56.65	88.90	---	---	---	
3	100.84	64.51	42.71	59.14	50.60	56.87	56.85	63.29	77.73	---	---	
4	118.22	88.53	81.38	68.23	76.52	71.93	79.26	70.38	74.40	104.93	---	
5	97.10	---	90.09	95.27	74.01	78.65	59.91	79.17	69.54	78.05	91.03	
6	---	---	---	113.51	98.97	84.40	89.93	76.54	95.32	78.34	85.01	107.21
7	---	---	---	---	121.64	98.04	91.27	94.15	77.08	100.03	80.23	91.85
8	---	---	---	---	---	117.08	107.38	95.19	98.13	87.83	116.98	89.37
9	---	---	---	---	---	---	107.05	102.58	99.05	95.50	94.54	110.37
10	---	---	---	---	---	---	---	114.01	97.27	96.59	108.90	97.38
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions:

RF IN: 5400.1 MHz; 4.00 dBm  
 LO IN: 5430.1 MHz; +13.00 dBm  
 IF OUT: 30 MHz; -1.36 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