

# Frequency Mixer

# MAC-80LH+

## 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
2800.1	2830.1	6.49	6.39	6.39	2800.1	2830.1	12.84	12.77	12.73	2800.1	2830.1	1.99	1.69	1.49
2900.1	2930.1	6.30	6.20	6.23	2900.1	2930.1	13.80	14.62	15.01	2900.1	2930.1	1.88	1.53	1.27
3000.1	3030.1	5.98	5.88	5.85	3000.1	3030.1	13.42	14.06	14.39	3000.1	3030.1	1.74	1.46	1.37
3100.1	3130.1	5.89	5.69	5.61	3100.1	3130.1	14.26	15.08	16.09	3100.1	3130.1	1.73	1.47	1.27
3200.1	3230.1	5.79	5.60	5.54	3200.1	3230.1	13.76	14.55	14.50	3200.1	3230.1	1.74	1.37	1.11
3300.1	3330.1	5.56	5.42	5.36	3300.1	3330.1	13.80	15.17	15.04	3300.1	3330.1	1.80	1.47	1.23
3400.1	3430.1	5.51	5.43	5.39	3400.1	3430.1	14.39	15.02	15.11	3400.1	3430.1	1.59	1.20	1.09
3500.1	3530.1	5.33	5.17	5.06	3500.1	3530.1	12.96	13.71	14.25	3500.1	3530.1	1.29	0.96	0.89
3600.1	3630.1	5.20	5.06	4.94	3600.1	3630.1	15.23	17.74	18.39	3600.1	3630.1	1.11	0.59	0.52
3700.1	3730.1	5.10	5.01	4.94	3700.1	3730.1	16.71	19.18	19.94	3700.1	3730.1	0.95	0.52	0.39
3800.1	3830.1	5.22	5.11	5.01	3800.1	3830.1	18.51	20.58	23.04	3800.1	3830.1	1.05	0.66	0.61
3900.1	3930.1	5.72	5.62	5.63	3900.1	3930.1	16.46	18.17	18.40	3900.1	3930.1	1.78	1.46	1.17
4000.1	4030.1	7.11	6.80	6.61	4000.1	4030.1	16.79	18.71	18.78	4000.1	4030.1	1.46	1.23	1.04
4100.1	4130.1	6.88	6.52	6.34	4100.1	4130.1	14.44	15.48	16.18	4100.1	4130.1	1.74	1.41	1.26
4200.1	4230.1	6.57	6.23	6.13	4200.1	4230.1	13.50	15.31	16.34	4200.1	4230.1	1.78	1.45	1.21
4400.1	4430.1	6.71	6.42	6.37	4400.1	4430.1	15.64	15.59	16.45	4400.1	4430.1	1.21	0.99	0.77
4600.1	4630.1	7.74	7.15	6.82	4600.1	4630.1	15.62	15.90	15.93	4600.1	4630.1	0.97	0.85	0.71
4800.1	4830.1	6.97	6.58	6.29	4800.1	4830.1	11.30	12.43	12.93	4800.1	4830.1	1.24	1.11	1.05
5000.1	5030.1	6.43	6.17	5.98	5000.1	5030.1	10.37	11.91	12.70	5000.1	5030.1	1.23	1.03	0.92
5200.1	5230.1	6.12	5.84	5.73	5200.1	5230.1	10.01	12.36	13.26	5200.1	5230.1	1.00	0.84	0.82
5400.1	5430.1	5.69	5.44	5.34	5400.1	5430.1	10.31	12.16	13.71	5400.1	5430.1	1.13	0.78	0.67
5600.1	5630.1	5.74	5.41	5.31	5600.1	5630.1	15.22	15.86	17.80	5600.1	5630.1	1.11	0.73	0.54
5800.1	5830.1	7.12	6.49	6.22	5800.1	5830.1	12.45	13.66	14.59	5800.1	5830.1	1.15	1.11	0.97
6000.1	6030.1	6.51	6.06	5.92	6000.1	6030.1	10.79	12.39	13.73	6000.1	6030.1	1.22	1.15	1.04
6200.1	6230.1	6.44	5.98	5.83	6200.1	6230.1	10.86	11.75	12.94	6200.1	6230.1	1.25	1.05	0.97
6400.1	6430.1	6.27	5.80	5.73	6400.1	6430.1	10.26	12.00	13.08	6400.1	6430.1	1.17	0.95	0.89
6600.1	6630.1	6.31	5.73	5.62	6600.1	6630.1	10.83	11.29	12.92	6600.1	6630.1	1.03	0.81	0.73
6800.1	6830.1	5.94	5.48	5.38	6800.1	6830.1	10.26	10.73	11.99	6800.1	6830.1	1.33	1.06	0.95
6900.1	6930.1	5.89	5.55	5.44	6900.1	6930.1	9.97	10.86	11.76	6900.1	6930.1	1.36	1.08	0.98
7000.1	7030.1	5.81	5.51	5.46	7000.1	7030.1	9.87	11.22	12.22	7000.1	7030.1	1.36	1.10	1.01
7100.1	7130.1	5.54	5.34	5.35	7100.1	7130.1	10.50	11.52	12.21	7100.1	7130.1	1.46	1.11	1.08
7200.1	7230.1	5.61	5.38	5.40	7200.1	7230.1	10.79	11.39	12.36	7200.1	7230.1	1.36	0.99	0.95
7300.1	7330.1	5.66	5.36	5.41	7300.1	7330.1	10.87	11.30	12.23	7300.1	7330.1	1.30	0.94	0.83
7400.1	7430.1	5.61	5.32	5.30	7400.1	7430.1	11.15	11.33	12.78	7400.1	7430.1	1.38	1.08	1.01
7500.1	7530.1	5.81	5.41	5.40	7500.1	7530.1	11.78	11.83	12.49	7500.1	7530.1	1.44	1.23	1.06
7600.1	7630.1	6.03	5.57	5.44	7600.1	7630.1	11.53	12.15	12.19	7600.1	7630.1	1.28	1.09	0.95
7700.1	7730.1	6.19	5.60	5.43	7700.1	7730.1	10.38	11.90	12.26	7700.1	7730.1	1.50	1.21	1.06
7800.1	7830.1	6.49	5.82	5.57	7800.1	7830.1	9.09	11.34	12.23	7800.1	7830.1	1.42	1.16	1.05
7900.1	7930.1	6.66	5.95	5.59	7900.1	7930.1	9.85	12.08	12.20	7900.1	7930.1	1.31	0.99	1.04
8000.1	8030.1	6.46	5.78	5.54	8000.1	8030.1	14.73	15.51	13.32	8000.1	8030.1	1.39	1.07	1.08

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## Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=5400.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2800.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=8000.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+10			+10			+10
3500.0	1900.1	18.11	10.0	2810.1	6.46	4600.0	3400.1	13.68
3300.0	2100.1	13.07	20.0	2820.1	6.40	4400.0	3600.1	9.65
3100.0	2300.1	11.29	30.0	2830.1	6.37	4200.0	3800.1	7.56
2900.0	2500.1	9.30	40.0	2840.1	6.29	4000.0	4000.1	7.47
2700.0	2700.1	9.25	50.0	2850.1	6.32	3800.0	4200.1	7.98
2500.0	2900.1	9.07	60.0	2860.1	6.33	3600.0	4400.1	8.71
2300.0	3100.1	9.09	70.0	2870.1	6.33	3400.0	4600.1	9.22
2100.0	3300.1	9.43	80.0	2880.1	6.33	3200.0	4800.1	9.00
1900.0	3500.1	9.59	90.0	2890.1	6.28	3000.0	5000.1	8.46
1700.0	3700.1	10.86	100.0	2900.1	6.32	2800.0	5200.1	7.98
1500.0	3900.1	9.86	110.0	2910.1	6.26	2600.0	5400.1	7.40
1300.0	4100.1	8.62	120.0	2920.1	6.26	2500.0	5500.1	7.58
1100.0	4300.1	7.69	130.0	2930.1	6.27	2400.0	5600.1	7.82
900.0	4500.1	6.46	140.0	2940.1	6.17	2300.0	5700.1	8.14
700.0	4700.1	6.18	150.0	2950.1	6.14	2200.0	5800.1	8.62
500.0	4900.1	5.30	160.0	2960.1	6.18	2100.0	5900.1	9.15
300.0	5100.1	5.29	170.0	2970.1	6.15	2000.0	6000.1	9.48
120.0	5280.1	5.40	200.0	3000.1	6.06	1900.0	6100.1	9.95
80.0	5320.1	5.43	400.0	3200.1	5.92	1800.0	6200.1	10.27
40.0	5360.1	5.43	600.0	3400.1	6.01	1700.0	6300.1	10.31
20.0	5420.1	5.44	800.0	3600.1	5.73	1600.0	6400.1	9.76
60.0	5460.1	5.35	1000.0	3800.1	6.05	1500.0	6500.1	9.21
100.0	5500.1	5.34	1200.0	4000.1	7.09	1400.0	6600.1	8.91
300.0	5700.1	5.22	1400.0	4200.1	8.02	1300.0	6700.1	8.58
500.0	5900.1	6.03	1600.0	4400.1	8.75	1200.0	6800.1	8.15
700.0	6100.1	7.47	1800.0	4600.1	9.31	1100.0	6900.1	7.63
900.0	6300.1	8.10	2000.0	4800.1	9.12	1000.0	7000.1	7.10
1100.0	6500.1	8.26	2200.0	5000.1	9.48	900.0	7100.1	6.45
1300.0	6700.1	9.21	2400.0	5200.1	10.60	800.0	7200.1	6.16
1500.0	6900.1	10.09	2600.0	5400.1	10.18	700.0	7300.1	6.04
1700.0	7100.1	10.57	2800.0	5600.1	9.81	600.0	7400.1	5.95
1900.0	7300.1	10.38	3000.0	5800.1	9.45	500.0	7500.1	5.87
2100.0	7500.1	9.58	3200.0	6000.1	9.67	400.0	7600.1	5.82
2300.0	7700.1	9.22	3400.0	6200.1	10.48	300.0	7700.1	5.74
2500.0	7900.1	8.82	3600.0	6400.1	11.02	200.0	7800.1	5.74
2700.0	8100.1	7.35	3800.0	6600.1	9.30	100.0	7900.1	5.80
2900.0	8300.1	7.67	4000.0	6800.1	9.98	80.0	7920.1	5.84
3100.0	8500.1	8.19	4200.0	7000.1	9.17	60.0	7940.1	5.80
3300.0	8700.1	8.65	4400.0	7200.1	10.45	40.0	7960.1	5.79
3500.0	8900.1	9.34	4600.0	7400.1	15.01	20.0	7980.1	5.89

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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
2830.1	44.57	43.36	44.09	10.78	9.87	8.84
2930.1	45.41	40.76	40.60	11.93	10.78	9.68
3030.1	44.65	41.56	40.29	12.55	11.30	10.34
3130.1	43.16	44.18	42.10	12.92	11.81	10.96
3230.1	41.96	45.78	43.78	13.53	12.40	11.56
3330.1	42.93	56.73	49.02	13.94	12.95	12.19
3430.1	49.32	41.44	38.55	14.16	13.40	12.78
3530.1	37.35	43.97	46.40	14.31	13.75	13.24
3630.1	42.25	46.90	41.93	14.04	13.85	13.59
3730.1	37.31	35.92	34.82	13.87	14.03	14.01
3830.1	38.17	37.02	36.47	13.57	14.08	14.29
3930.1	45.93	40.68	38.85	12.74	13.56	14.12
4030.1	36.74	45.38	56.54	12.23	13.34	14.19
4130.1	34.14	36.98	35.73	12.07	13.50	14.74
4230.1	30.14	31.67	31.68	12.33	14.04	15.65
4430.1	28.60	29.90	30.67	15.02	16.92	18.66
4630.1	29.49	31.54	32.77	19.30	20.49	21.33
4830.1	33.48	36.27	37.91	23.49	23.22	22.86
5030.1	32.80	35.24	37.78	25.50	24.01	23.05
5230.1	34.79	36.23	37.51	26.58	24.96	23.86
5430.1	38.44	38.33	38.35	26.38	25.44	24.67
5630.1	46.98	44.15	39.86	26.56	26.31	26.00
5830.1	49.00	44.80	42.63	27.23	27.72	27.89
6030.1	66.26	53.01	54.73	27.91	29.00	29.84
6230.1	43.36	50.49	55.98	29.10	30.50	31.83
6430.1	39.37	41.29	41.97	30.67	32.09	33.39
6630.1	37.56	38.42	37.69	32.69	32.95	32.68
6830.1	36.07	36.33	35.47	33.00	30.90	29.36
6930.1	35.23	34.79	33.90	31.03	28.86	27.44
7030.1	34.97	33.64	32.41	28.28	26.64	25.63
7130.1	34.65	33.05	31.61	25.22	24.21	23.72
7230.1	33.93	32.03	30.63	23.04	22.36	22.25
7330.1	34.91	31.75	29.65	21.11	20.79	20.90
7430.1	33.97	31.37	29.24	18.71	18.67	18.99
7530.1	33.38	30.81	29.09	17.01	17.18	17.62
7630.1	33.23	31.16	29.66	16.19	16.75	17.57
7730.1	30.81	29.48	28.48	15.33	16.20	17.39
7830.1	29.57	28.30	27.42	14.30	15.31	16.89
7930.1	28.87	27.48	26.53	13.94	15.12	16.65
8030.1	28.80	27.20	25.98	15.74	16.47	17.26

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+7	+10	+13
2800.1	2830.1	30.63	29.85	27.79
2900.1	2930.1	28.50	27.22	26.33
3000.1	3030.1	27.54	26.21	24.95
3100.1	3130.1	25.67	24.53	23.59
3200.1	3230.1	24.80	23.79	22.95
3300.1	3330.1	22.93	22.08	21.33
3400.1	3430.1	21.39	20.45	19.70
3500.1	3530.1	21.45	20.37	19.50
3600.1	3630.1	19.33	18.44	17.82
3700.1	3730.1	17.92	17.14	16.55
3800.1	3830.1	17.09	16.68	16.34
3900.1	3930.1	17.94	17.84	17.76
4000.1	4030.1	17.07	16.93	16.79
4100.1	4130.1	13.25	13.00	12.83
4200.1	4230.1	11.01	10.86	10.77
4400.1	4430.1	9.57	9.63	9.64
4600.1	4630.1	10.25	10.52	10.74
4800.1	4830.1	11.74	11.94	12.12
5000.1	5030.1	14.00	14.22	14.37
5200.1	5230.1	16.12	16.51	16.77
5400.1	5430.1	18.26	18.82	19.18
5600.1	5630.1	20.89	21.28	21.57
5800.1	5830.1	22.69	22.78	22.90
6000.1	6030.1	26.70	26.74	26.61
6200.1	6230.1	29.81	29.60	29.27
6400.1	6430.1	29.91	29.18	28.73
6600.1	6630.1	28.01	27.17	26.69
6800.1	6830.1	25.32	25.26	25.15
6900.1	6930.1	23.71	23.83	23.98
7000.1	7030.1	22.53	22.74	22.87
7100.1	7130.1	21.41	21.84	22.07
7200.1	7230.1	20.41	21.01	21.42
7300.1	7330.1	19.36	19.85	20.34
7400.1	7430.1	18.66	19.14	19.52
7500.1	7530.1	18.02	18.66	19.15
7600.1	7630.1	17.06	17.55	17.98
7700.1	7730.1	15.66	15.94	16.31
7800.1	7830.1	15.42	15.93	16.43
7900.1	7930.1	16.02	16.62	17.10
8000.1	8030.1	16.62	17.07	17.52

## 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)		
		+7	+10	+13		+7	+10	+13		+7	+10	+13
2800.1	2830.1	3.30	2.73	2.40	2830.1	2.20	2.51	2.98	10.1	1.12	1.31	1.46
2900.1	2930.1	3.20	2.64	2.26	2930.1	2.27	2.63	3.16	20.1	1.09	1.15	1.39
3000.1	3030.1	2.91	2.50	2.22	3030.1	2.15	2.60	3.21	30.1	1.09	1.17	1.39
3100.1	3130.1	2.87	2.45	2.16	3130.1	2.17	2.68	3.33	40.1	1.12	1.15	1.33
3200.1	3230.1	2.46	2.11	1.87	3230.1	2.12	2.68	3.37	50.1	1.13	1.12	1.34
3300.1	3330.1	2.30	1.97	1.75	3330.1	2.05	2.66	3.41	60.1	1.11	1.18	1.39
3400.1	3430.1	2.12	1.80	1.57	3430.1	2.02	2.66	3.44	70.1	1.12	1.17	1.38
3500.1	3530.1	2.22	1.90	1.67	3530.1	1.90	2.60	3.43	80.1	1.12	1.17	1.35
3600.1	3630.1	1.92	1.69	1.52	3630.1	1.83	2.56	3.41	90.1	1.14	1.17	1.38
3700.1	3730.1	1.83	1.64	1.50	3730.1	1.83	2.55	3.40	100.1	1.14	1.20	1.39
3800.1	3830.1	1.90	1.75	1.67	3830.1	1.81	2.52	3.35	110.1	1.12	1.19	1.40
3900.1	3930.1	2.45	2.36	2.32	3930.1	1.90	2.54	3.32	120.1	1.13	1.15	1.36
4000.1	4030.1	3.46	3.29	3.15	4030.1	1.88	2.48	3.24	130.1	1.16	1.13	1.31
4100.1	4130.1	3.01	2.78	2.63	4130.1	1.96	2.48	3.20	140.1	1.21	1.18	1.33
4200.1	4230.1	2.59	2.41	2.31	4230.1	2.02	2.45	3.12	150.1	1.20	1.22	1.38
4400.1	4430.1	2.11	1.99	1.89	4430.1	2.18	2.49	3.04	160.1	1.18	1.21	1.38
4600.1	4630.1	2.84	2.67	2.51	4630.1	2.36	2.53	2.99	170.1	1.19	1.18	1.35
4800.1	4830.1	2.69	2.51	2.37	4830.1	2.43	2.48	2.88	180.1	1.23	1.19	1.34
5000.1	5030.1	2.41	2.21	2.07	5030.1	2.32	2.26	2.64	200.1	1.23	1.23	1.39
5200.1	5230.1	2.26	1.97	1.81	5230.1	2.57	2.32	2.58	250.1	1.34	1.29	1.40
5400.1	5430.1	2.17	1.82	1.63	5430.1	2.59	2.33	2.54	300.1	1.35	1.26	1.35
5600.1	5630.1	2.19	1.81	1.57	5630.1	2.48	2.24	2.44	350.1	1.47	1.35	1.38
5800.1	5830.1	3.26	2.91	2.69	5830.1	2.53	2.17	2.33	400.1	1.52	1.34	1.33
6000.1	6030.1	3.21	2.84	2.64	6030.1	2.90	2.35	2.39	450.1	1.64	1.46	1.43
6200.1	6230.1	2.99	2.55	2.31	6230.1	3.17	2.50	2.44	500.1	1.76	1.53	1.44
6400.1	6430.1	2.76	2.31	2.10	6430.1	3.45	2.43	2.27	550.1	1.87	1.65	1.56
6600.1	6630.1	2.79	2.23	1.96	6630.1	3.62	2.55	2.23	600.1	2.03	1.75	1.59
6800.1	6830.1	2.60	2.14	1.84	6830.1	3.19	2.29	2.00	650.1	2.06	1.81	1.68
6900.1	6930.1	2.41	2.04	1.77	6930.1	2.91	2.08	1.87	700.1	2.22	1.91	1.73
7000.1	7030.1	2.11	1.81	1.62	7030.1	2.68	1.84	1.66	750.1	2.23	1.94	1.77
7100.1	7130.1	1.98	1.64	1.49	7130.1	2.65	1.81	1.59	800.1	2.45	2.12	1.89
7200.1	7230.1	1.87	1.51	1.34	7230.1	2.51	1.78	1.58	850.1	2.43	2.10	1.89
7300.1	7330.1	1.83	1.48	1.28	7330.1	2.39	1.75	1.61	900.1	2.78	2.41	2.12
7400.1	7430.1	1.79	1.48	1.27	7430.1	2.37	1.78	1.65	950.1	2.73	2.34	2.06
7500.1	7530.1	1.67	1.40	1.20	7530.1	2.37	1.84	1.74	1000.1	3.03	2.62	2.31
7600.1	7630.1	1.67	1.39	1.18	7630.1	2.43	1.90	1.84	1050.1	2.99	2.57	2.25
7700.1	7730.1	1.73	1.44	1.27	7730.1	2.59	2.01	1.95	1100.1	3.17	2.75	2.43
7800.1	7830.1	1.70	1.46	1.33	7830.1	2.80	2.14	2.05	1150.1	3.12	2.69	2.38
7900.1	7930.1	1.67	1.47	1.37	7930.1	3.07	2.31	2.16	1200.1	3.25	2.85	2.55
8000.1	8030.1	1.71	1.55	1.44	8030.1	3.49	2.51	2.25	1250.1	3.12	2.73	2.46

## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	3.12	24.13	17.51	52.73	---	---	---	---	---	---
1	---	14.49	---	51.42	22.98	45.12	60.51	---	---	---	---	---
2	121.76	61.80	63.55	69.84	63.66	69.72	60.24	88.17	---	---	---	---
3	119.16	87.62	66.74	78.61	60.41	76.42	102.38	77.14	86.53	---	---	---
4	113.38	108.62	100.93	94.80	102.08	93.86	103.93	95.86	99.83	111.99	---	---
5	---	---	112.63	100.92	103.44	106.47	99.74	105.08	103.64	101.20	111.99	---
6	---	---	---	112.61	97.64	106.69	95.75	112.90	98.86	101.75	99.37	111.38
7	---	---	---	---	109.85	101.38	108.58	104.96	98.31	106.00	108.04	105.53
8	---	---	---	---	---	115.45	101.42	105.50	107.23	101.42	104.03	105.88
9	---	---	---	---	---	---	110.91	108.06	106.23	105.91	107.09	104.83
10	---	---	---	---	---	---	---	113.34	107.39	104.84	108.26	107.32
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions:

RF IN: 5400.1 MHz; -10.00 dBm  
 LO IN: 5430.1 MHz; +10.00 dBm  
 IF OUT: 30 MHz; -15.22 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	13.02	34.12	28.66	69.76	---	---	---	---	---	---
1	---	14.62	---	56.51	22.81	49.15	63.54	---	---	---	---	---
2	105.16	52.42	55.01	55.05	55.93	61.44	54.07	80.79	---	---	---	---
3	111.61	65.91	46.00	57.31	39.47	57.14	59.69	59.31	71.99	---	---	---
4	104.21	88.72	80.62	70.12	78.25	81.41	77.54	73.84	70.95	85.69	---	---
5	---	---	87.62	90.42	71.50	83.19	59.93	76.35	72.47	73.82	82.84	---
6	---	---	---	99.39	97.74	85.78	94.59	92.60	102.63	86.47	88.85	92.38
7	---	---	---	---	109.02	104.59	95.00	93.25	77.24	92.35	87.01	89.15
8	---	---	---	---	---	111.04	102.10	96.24	103.77	84.74	101.36	89.35
9	---	---	---	---	---	---	106.68	96.86	99.72	100.47	93.03	99.28
10	---	---	---	---	---	---	---	112.13	99.56	101.46	103.90	92.54
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions:

RF IN: 5400.1 MHz; 0.00 dBm  
 LO IN: 5430.1 MHz; +10.00 dBm  
 IF OUT: 30 MHz; -5.27 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