

Frequency Mixer

MAC-12GL+

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=+1dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+1	+4	+7			+1	+4	+7			+1	+4	+7
3800.1	3830.1	6.96	6.35	5.99	3800.1	3830.1	6.14	8.55	10.13	3800.1	3830.1	1.96	1.64	1.42
4000.1	4030.1	6.26	5.78	5.52	4000.1	4030.1	7.32	10.12	11.34	4000.1	4030.1	2.09	1.61	1.44
4200.1	4230.1	5.95	5.51	5.27	4200.1	4230.1	9.96	11.71	11.15	4200.1	4230.1	0.81	0.65	0.64
4400.1	4430.1	5.94	5.44	5.25	4400.1	4430.1	9.83	10.28	8.64	4400.1	4430.1	0.72	0.56	0.54
4600.1	4630.1	5.72	5.28	5.04	4600.1	4630.1	7.18	8.59	11.30	4600.1	4630.1	1.32	1.03	0.95
4800.1	4830.1	5.38	4.99	4.90	4800.1	4830.1	7.54	10.49	13.28	4800.1	4830.1	1.59	0.91	0.77
5000.1	5030.1	5.55	5.10	4.87	5000.1	5030.1	9.55	12.45	14.20	5000.1	5030.1	1.67	0.91	0.77
5200.1	5230.1	7.75	7.22	6.87	5200.1	5230.1	7.31	9.12	11.90	5200.1	5230.1	2.28	1.80	1.53
5400.1	5430.1	7.13	6.54	6.00	5400.1	5430.1	6.33	7.98	8.13	5400.1	5430.1	2.21	2.03	1.94
5600.1	5630.1	6.58	6.13	5.92	5600.1	5630.1	7.40	9.23	8.32	5600.1	5630.1	2.27	1.83	1.74
5800.1	5830.1	7.28	6.68	6.41	5800.1	5830.1	7.42	10.04	10.07	5800.1	5830.1	1.81	1.37	1.19
6000.1	6030.1	6.83	6.24	5.88	6000.1	6030.1	6.96	10.21	11.69	6000.1	6030.1	1.76	1.25	1.14
6200.1	6230.1	6.44	5.73	5.42	6200.1	6230.1	7.78	8.51	10.70	6200.1	6230.1	1.46	1.04	0.88
6400.1	6430.1	6.10	5.54	5.21	6400.1	6430.1	8.74	8.89	11.28	6400.1	6430.1	1.27	0.72	0.51
6600.1	6630.1	6.30	5.56	5.21	6600.1	6630.1	11.25	9.21	10.59	6600.1	6630.1	1.24	0.77	0.55
6800.1	6830.1	6.59	5.73	5.29	6800.1	6830.1	10.70	12.85	12.21	6800.1	6830.1	1.58	1.19	0.78
7000.1	7030.1	8.38	7.08	6.24	7000.1	7030.1	5.63	7.98	9.49	7000.1	7030.1	0.51	0.65	0.77
7200.1	7230.1	7.57	6.44	5.83	7200.1	7230.1	5.83	7.12	7.70	7200.1	7230.1	0.72	0.56	0.58
7400.1	7430.1	7.35	6.15	5.63	7400.1	7430.1	6.11	7.45	7.77	7400.1	7430.1	0.20	0.11	0.11
7600.1	7630.1	7.03	5.92	5.35	7600.1	7630.1	7.34	8.92	9.41	7600.1	7630.1	0.05	0.06	0.11
7800.1	7830.1	7.08	6.04	5.46	7800.1	7830.1	8.09	9.68	10.35	7800.1	7830.1	-0.01	0.04	0.08
8000.1	8030.1	6.97	6.03	5.62	8000.1	8030.1	6.34	8.42	9.42	8000.1	8030.1	0.13	0.21	0.24
8200.1	8230.1	7.18	6.18	5.90	8200.1	8230.1	5.40	7.64	9.23	8200.1	8230.1	0.53	0.34	0.30
8400.1	8430.1	7.21	6.34	6.03	8400.1	8430.1	6.07	7.96	8.77	8400.1	8430.1	1.01	0.68	0.54
8600.1	8630.1	7.63	6.75	6.44	8600.1	8630.1	5.60	7.93	8.35	8600.1	8630.1	1.37	0.94	0.76
8800.1	8830.1	7.90	6.91	6.64	8800.1	8830.1	5.41	8.07	8.50	8800.1	8830.1	1.52	1.07	0.90
9000.1	9030.1	7.97	6.97	6.57	9000.1	9030.1	5.52	7.75	8.48	9000.1	9030.1	1.45	0.97	0.81
9200.1	9230.1	7.62	6.68	6.23	9200.1	9230.1	4.60	7.28	8.92	9200.1	9230.1	1.69	1.14	1.01
9400.1	9430.1	7.19	6.25	5.86	9400.1	9430.1	4.35	7.23	9.20	9400.1	9430.1	1.83	1.27	1.13
9600.1	9630.1	7.22	6.09	5.75	9600.1	9630.1	4.53	6.98	9.57	9600.1	9630.1	1.79	1.29	1.16
9800.1	9830.1	7.19	6.02	5.58	9800.1	9830.1	5.00	7.54	10.16	9800.1	9830.1	1.65	1.30	1.16
10000.1	10030.1	7.52	6.13	5.60	10000.1	10030.1	4.80	7.29	9.90	10000.1	10030.1	1.11	1.06	0.91
10200.1	10230.1	7.81	6.25	5.70	10200.1	10230.1	4.39	7.20	9.57	10200.1	10230.1	1.01	1.20	1.12
10400.1	10430.1	8.66	6.52	5.94	10400.1	10430.1	3.26	8.72	11.09	10400.1	10430.1	0.57	0.92	0.81
10600.1	10630.1	7.73	5.88	5.52	10600.1	10630.1	13.92	12.47	13.28	10600.1	10630.1	0.53	0.66	0.55
10800.1	10830.1	7.70	5.98	5.58	10800.1	10830.1	13.61	13.35	14.76	10800.1	10830.1	0.66	0.53	0.41
11000.1	11030.1	7.88	6.13	5.78	11000.1	11030.1	16.22	16.74	15.97	11000.1	11030.1	0.40	0.25	0.26
11600.1	11630.1	8.51	6.71	6.16	11600.1	11630.1	6.46	13.37	13.31	11600.1	11630.1	-0.47	0.40	0.36
11800.1	11830.1	8.50	6.66	6.25	11800.1	11830.1	5.65	8.37	9.11	11800.1	11830.1	-0.59	0.47	0.56
12000.1	12030.1	9.00	6.79	6.38	12000.1	12030.1	-1.13	2.26	4.82	12000.1	12030.1	-3.37	0.13	1.00

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=7900.1MHz (dB)
		@LO (dBm)
+4		
5200.0	2700.1	19.29
4700.0	3200.1	12.19
4300.0	3600.1	10.97
3900.0	4000.1	9.53
3500.0	4400.1	9.62
3100.0	4800.1	9.94
2700.0	5200.1	10.31
2400.0	5500.1	9.47
2200.0	5700.1	9.15
2000.0	5900.1	9.65
1800.0	6100.1	9.03
1600.0	6300.1	8.43
1400.0	6500.1	7.72
1200.0	6700.1	7.74
1000.0	6900.1	7.34
700.0	7200.1	6.96
660.0	7240.1	6.84
620.0	7280.1	6.52
580.0	7320.1	6.62
540.0	7360.1	6.57
20.0	7920.1	6.23
60.0	7960.1	6.19
100.0	8000.1	6.04
140.0	8040.1	6.07
180.0	8080.1	6.04
500.0	8400.1	5.92
900.0	8800.1	6.42
1300.0	9200.1	7.61
1700.0	9600.1	8.95
2100.0	10000.1	9.96
2500.0	10400.1	12.35
2900.0	10800.1	10.25
3300.0	11200.1	9.66
3700.0	11600.1	9.51
4100.0	12000.1	10.44
4500.0	12400.1	10.63
4900.0	12800.1	10.89
5300.0	13200.1	11.00
5700.0	13600.1	9.38
6100.0	14000.1	12.41

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3800.1MHz (dB)
		@LO (dBm)
+4		
10.0	3810.1	7.18
20.0	3820.1	6.75
30.0	3830.1	6.67
40.0	3840.1	6.52
50.0	3850.1	6.40
60.0	3860.1	6.40
70.0	3870.1	6.40
80.0	3880.1	6.30
90.0	3890.1	6.30
100.0	3900.1	6.33
110.0	3910.1	6.32
120.0	3920.1	6.32
130.0	3930.1	6.25
140.0	3940.1	6.27
150.0	3950.1	6.23
160.0	3960.1	6.24
170.0	3970.1	6.29
180.0	3980.1	6.25
190.0	3990.1	6.27
200.0	4000.1	6.27
300.0	4100.1	6.31
400.0	4200.1	6.23
500.0	4300.1	6.14
600.0	4400.1	6.20
700.0	4500.1	6.39
800.0	4600.1	6.17
900.0	4700.1	6.02
1000.0	4800.1	6.02
1100.0	4900.1	6.33
1200.0	5000.1	6.65
1700.0	5500.1	7.48
2200.0	6000.1	7.63
2700.0	6500.1	11.49
3200.0	7000.1	12.67
3700.0	7500.1	11.16
4200.0	8000.1	11.12
4700.0	8500.1	11.40
5200.0	9000.1	10.81
5700.0	9500.1	8.97
6200.0	10000.1	18.16

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=12000.1MHz (dB)
		@LO (dBm)
+4		
7300.0	4700.1	39.53
7000.0	5000.1	30.54
6500.0	5500.1	19.21
6000.0	6000.1	11.28
5400.0	6600.1	8.71
5200.0	6800.1	9.41
5000.0	7000.1	9.77
4800.0	7200.1	10.26
4600.0	7400.1	10.78
4400.0	7600.1	9.82
4200.0	7800.1	10.07
4000.0	8000.1	10.10
3800.0	8200.1	9.98
3600.0	8400.1	9.63
3400.0	8600.1	8.79
3200.0	8800.1	9.46
3000.0	9000.1	10.18
2800.0	9200.1	10.92
2600.0	9400.1	11.33
2400.0	9600.1	11.27
2200.0	9800.1	10.64
2000.0	10000.1	10.04
1800.0	10200.1	9.55
1600.0	10400.1	9.11
1400.0	10600.1	8.26
1200.0	10800.1	8.04
1000.0	11000.1	7.93
800.0	11200.1	7.91
600.0	11400.1	7.79
400.0	11600.1	7.38
200.0	11800.1	6.96
180.0	11820.1	6.83
160.0	11840.1	6.83
140.0	11860.1	6.87
120.0	11880.1	6.78
100.0	11900.1	6.93
80.0	11920.1	6.79
60.0	11940.1	6.79
40.0	11960.1	6.80
20.0	11980.1	6.87

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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)		
	+1	+4	+7	+1	+4	+7			+1	+4	+7
3830.1	30.29	30.42	31.07	10.50	10.56	10.00	3800.1	3830.1	22.37	23.81	24.45
4030.1	31.25	30.41	29.28	12.51	11.93	10.87	4000.1	4030.1	22.13	23.07	23.31
4230.1	33.64	32.77	30.81	14.12	12.76	11.42	4200.1	4230.1	21.39	21.57	21.19
4430.1	35.12	33.52	31.55	14.90	13.05	11.64	4400.1	4430.1	22.77	22.30	21.22
4630.1	28.99	27.72	26.94	15.92	13.86	12.37	4600.1	4630.1	20.15	19.27	18.29
4830.1	31.72	28.84	26.99	15.27	13.70	12.58	4800.1	4830.1	17.52	16.70	16.00
5030.1	34.90	32.19	29.19	14.42	13.55	12.85	5000.1	5030.1	15.83	14.93	14.20
5230.1	35.79	34.74	32.93	13.91	13.73	13.46	5200.1	5230.1	17.29	16.91	16.64
5430.1	27.38	28.60	28.42	13.28	13.99	14.42	5400.1	5430.1	15.08	14.36	13.59
5630.1	22.41	23.52	24.13	12.30	13.60	14.72	5600.1	5630.1	11.62	11.29	10.83
5830.1	20.72	22.18	23.66	13.55	15.45	17.11	5800.1	5830.1	9.66	9.83	9.83
6030.1	21.74	23.74	25.69	16.52	18.70	20.62	6000.1	6030.1	10.64	11.02	11.37
6230.1	23.62	25.92	27.88	19.73	21.74	23.68	6200.1	6230.1	12.56	13.43	13.90
6430.1	25.71	28.08	30.03	22.91	24.85	26.82	6400.1	6430.1	14.39	15.28	16.03
6630.1	28.24	31.00	33.16	26.70	28.54	30.31	6600.1	6630.1	16.50	17.39	18.09
6830.1	30.50	33.50	36.15	30.53	32.10	33.35	6800.1	6830.1	18.46	19.10	19.70
7030.1	31.22	33.32	35.43	34.22	34.88	35.14	7000.1	7030.1	19.89	20.03	20.31
7230.1	33.81	35.70	37.54	38.42	37.62	36.79	7200.1	7230.1	23.96	24.25	24.41
7430.1	34.84	36.12	37.74	41.53	38.97	37.00	7400.1	7430.1	28.00	28.12	28.02
7630.1	38.14	38.95	40.14	42.21	39.14	36.96	7600.1	7630.1	31.96	30.77	29.76
7830.1	38.53	38.70	38.95	41.72	39.09	37.21	7800.1	7830.1	31.14	29.56	28.94
8030.1	42.50	43.44	43.37	41.15	39.35	38.02	8000.1	8030.1	28.11	27.34	27.04
8230.1	37.08	37.98	38.84	41.96	40.53	39.61	8200.1	8230.1	26.41	25.97	25.84
8430.1	36.04	37.02	39.66	43.04	41.74	41.74	8400.1	8430.1	24.49	24.39	24.36
8630.1	33.07	33.29	34.18	44.72	43.61	43.03	8600.1	8630.1	23.38	23.48	23.53
8830.1	30.03	28.91	27.99	50.15	46.71	43.44	8800.1	8830.1	22.12	22.31	22.31
9030.1	33.47	35.90	38.49	43.62	45.62	48.65	9000.1	9030.1	20.98	21.18	21.29
9230.1	35.40	35.42	35.91	39.91	41.58	44.61	9200.1	9230.1	19.89	20.26	20.56
9430.1	34.39	34.57	34.37	36.72	37.89	40.17	9400.1	9430.1	19.11	19.50	19.77
9630.1	32.47	31.90	31.22	33.01	33.73	35.58	9600.1	9630.1	18.59	19.26	19.65
9830.1	31.88	30.95	30.24	29.14	28.95	30.03	9800.1	9830.1	18.69	19.83	20.64
10030.1	32.39	31.19	29.70	25.66	25.30	25.93	10000.1	10030.1	18.74	20.00	20.92
10230.1	32.56	32.14	30.90	20.99	19.45	19.19	10200.1	10230.1	18.74	19.34	19.70
10430.1	34.07	35.39	30.99	16.10	17.43	18.37	10400.1	10430.1	18.42	18.18	18.55
10630.1	35.27	29.49	26.76	20.25	21.43	21.24	10600.1	10630.1	16.09	17.17	17.87
10830.1	28.26	26.15	24.14	26.03	24.86	22.91	10800.1	10830.1	15.83	17.08	17.96
11030.1	25.75	24.40	22.35	29.97	26.22	23.07	11000.1	11030.1	16.09	17.21	17.84
11630.1	23.03	24.05	21.85	22.87	25.58	28.95	11600.1	11630.1	19.82	20.18	20.31
11830.1	22.48	24.69	23.31	21.07	23.02	25.31	11800.1	11830.1	24.56	22.86	21.96
12030.1	23.37	26.31	24.79	20.40	21.89	23.67	12000.1	12030.1	27.37	22.90	21.22

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=12000.1MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+1	+4	+7		+1	+4	+7		+1	+4	+7
3800.1	3830.1	2.87	2.34	2.05	3830.1	2.93	2.90	3.20	10.1	6.72	2.59	1.58
4000.1	4030.1	2.56	2.14	1.90	4030.1	2.66	2.76	3.20	20.1	5.16	2.87	1.45
4200.1	4230.1	2.62	2.15	1.85	4230.1	2.42	2.70	3.25	30.1	6.05	2.67	1.46
4400.1	4430.1	2.47	2.06	1.75	4430.1	2.21	2.64	3.27	40.1	5.72	2.73	1.42
4600.1	4630.1	2.36	1.91	1.60	4630.1	2.08	2.52	3.14	50.1	5.34	2.68	1.35
4800.1	4830.1	1.89	1.62	1.42	4830.1	1.76	2.29	2.96	60.1	5.24	2.58	1.33
5000.1	5030.1	1.82	1.61	1.52	5030.1	1.59	2.18	2.88	70.1	5.33	2.57	1.40
5200.1	5230.1	3.14	2.95	2.77	5230.1	1.58	2.16	2.84	80.1	5.44	2.71	1.41
5400.1	5430.1	2.58	2.28	1.98	5430.1	1.53	2.08	2.72	90.1	5.82	2.76	1.46
5600.1	5630.1	1.79	1.62	1.48	5630.1	1.43	1.89	2.47	100.1	5.85	2.84	1.48
5800.1	5830.1	1.83	1.74	1.67	5830.1	1.53	1.90	2.47	150.1	5.46	2.70	1.41
6000.1	6030.1	1.75	1.64	1.57	6030.1	1.71	1.99	2.53	200.1	5.88	2.83	1.54
6200.1	6230.1	1.95	1.69	1.58	6230.1	1.90	2.12	2.60	250.1	5.81	2.87	1.54
6400.1	6430.1	2.04	1.73	1.55	6430.1	2.10	2.26	2.69	300.1	5.86	2.95	1.63
6600.1	6630.1	2.26	1.88	1.64	6630.1	2.40	2.49	2.86	350.1	6.07	3.01	1.67
6800.1	6830.1	2.31	1.93	1.66	6830.1	2.84	2.80	3.10	400.1	6.09	3.11	1.78
7000.1	7030.1	4.12	3.61	3.14	7030.1	3.40	3.11	3.32	450.1	6.27	3.16	1.81
7200.1	7230.1	3.74	3.22	2.78	7230.1	4.15	3.49	3.54	500.1	6.58	3.33	1.94
7400.1	7430.1	3.32	2.86	2.47	7430.1	4.75	3.71	3.63	550.1	6.63	3.41	1.98
7600.1	7630.1	3.33	2.78	2.39	7630.1	5.20	3.77	3.54	600.1	6.90	3.56	2.11
7800.1	7830.1	3.09	2.50	2.16	7830.1	5.39	3.67	3.27	650.1	7.22	3.75	2.21
8000.1	8030.1	2.81	2.30	2.01	8030.1	5.07	3.31	2.82	700.1	7.31	3.81	2.30
8200.1	8230.1	2.65	2.18	1.94	8230.1	4.54	2.84	2.28	750.1	7.69	4.06	2.42
8400.1	8430.1	2.43	1.94	1.68	8430.1	4.25	2.73	2.12	800.1	7.75	4.12	2.52
8600.1	8630.1	2.34	1.91	1.67	8630.1	3.84	2.46	1.99	850.1	8.15	4.34	2.64
8800.1	8830.1	2.06	1.64	1.42	8830.1	3.56	2.29	1.85	900.1	8.35	4.51	2.77
9000.1	9030.1	2.02	1.69	1.49	9030.1	3.50	2.37	1.99	950.1	8.64	4.66	2.86
9200.1	9230.1	1.95	1.63	1.47	9230.1	3.48	2.47	2.23	1000.1	8.78	4.87	3.00
9400.1	9430.1	1.61	1.33	1.24	9430.1	3.72	2.58	2.21	1050.1	8.98	4.99	3.12
9600.1	9630.1	1.67	1.43	1.40	9630.1	4.18	2.88	2.33	1100.1	9.04	5.14	3.23
9800.1	9830.1	1.83	1.49	1.44	9830.1	4.76	3.24	2.44	1150.1	9.23	5.33	3.37
10000.1	10030.1	1.93	1.63	1.62	10030.1	5.23	3.59	2.56	1200.1	9.00	5.39	3.46
10200.1	10230.1	2.38	1.94	1.84	10230.1	4.76	3.40	2.39	1250.1	9.08	5.45	3.58
10400.1	10430.1	2.46	2.05	2.00	10430.1	4.10	3.01	2.09	1300.1	8.70	5.44	3.63
10600.1	10630.1	2.47	2.11	2.08	10630.1	3.48	2.47	1.73	1350.1	8.43	5.38	3.68
10800.1	10830.1	2.28	2.02	1.96	10830.1	2.73	1.96	1.46	1400.1	7.82	5.23	3.68
11000.1	11030.1	2.22	1.96	1.84	11030.1	1.95	1.52	1.28	1500.1	7.02	4.90	3.60
11600.1	11630.1	2.41	2.12	1.96	11630.1	1.26	1.29	1.35	1600.1	6.22	4.59	3.53
11800.1	11830.1	2.30	2.08	1.87	11830.1	1.57	1.57	1.60	1700.1	6.01	4.58	3.57
12000.1	12030.1	2.78	2.39	2.02	12030.1	1.94	1.93	1.95	1800.1	5.78	4.57	3.56

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	14.48	36.61	38.93	---	---	---	---	---	---	---
1	---	23.90	---	39.17	51.06	64.78	---	---	---	---	---	---
2	99.39	56.27	65.14	56.56	67.13	59.50	76.78	---	---	---	---	---
3	133.32	94.20	86.14	77.93	59.09	77.97	88.56	108.20	---	---	---	---
4	---	---	112.45	92.33	102.17	97.60	102.27	86.84	106.55	---	---	---
5	---	---	---	112.45	103.38	102.32	107.40	110.67	99.40	109.14	---	---
6	---	---	---	---	110.11	102.92	105.15	112.17	102.89	100.01	111.16	---
7	---	---	---	---	---	111.11	103.20	106.20	105.81	106.85	99.08	104.15
8	---	---	---	---	---	---	108.56	104.14	103.34	100.03	107.04	102.06
9	---	---	---	---	---	---	---	110.41	102.29	108.42	104.28	113.18
10	---	---	---	---	---	---	---	---	106.00	105.26	109.31	109.62
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 7900.1 MHz; -14 dBm.
 LO IN: 7930.1 MHz; +4.00 dBm
 IF OUT: 30.00 MHz; -20.10 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	24.42	43.44	51.38	---	---	---	---	---	---	---
1	---	24.03	---	41.62	52.36	67.40	---	---	---	---	---	---
2	86.22	46.18	55.93	47.00	60.24	56.44	72.50	---	---	---	---	---
3	117.44	73.32	66.52	59.04	37.12	60.17	76.11	84.99	---	---	---	---
4	---	---	109.34	68.00	76.41	68.21	78.39	66.64	85.84	---	---	---
5	---	---	---	100.33	87.41	80.80	52.63	80.83	85.76	102.04	---	---
6	---	---	---	---	110.00	82.04	90.73	82.30	94.06	76.30	95.89	---
7	---	---	---	---	---	105.79	101.68	93.74	65.32	92.19	102.18	109.24
8	---	---	---	---	---	---	110.78	93.93	105.50	91.74	107.15	86.90
9	---	---	---	---	---	---	---	109.15	103.14	100.92	77.59	107.05
10	---	---	---	---	---	---	---	---	113.51	100.22	105.66	99.06
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 7900.1 MHz; -4 dBm.
 LO IN: 7930.1 MHz; +4.00 dBm
 IF OUT: 30.00 MHz; -10.10 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