

Frequency Mixer

MCA1-80LH+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP3 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
1900.1	1930.1	18.13	15.69	13.14	1900.1	1930.1	5.11	6.79	5.20	1900.1	1930.1	-0.50	-0.09	0.51
2132.6	2162.6	10.09	8.86	8.22	2132.6	2162.6	9.99	12.09	12.92	2132.6	2162.6	1.90	1.75	1.47
2365.1	2395.1	8.09	7.24	6.86	2365.1	2395.1	12.80	13.36	14.12	2365.1	2395.1	1.64	1.69	1.63
2597.6	2627.6	6.88	6.45	6.22	2597.6	2627.6	11.49	12.71	13.02	2597.6	2627.6	1.77	1.63	1.53
2830.1	2860.1	5.95	5.71	5.61	2830.1	2860.1	11.83	11.18	10.96	2830.1	2860.1	2.01	1.82	1.61
3062.6	3092.6	5.46	5.23	5.13	3062.6	3092.6	14.11	14.37	14.30	3062.6	3092.6	1.77	1.51	1.37
3295.1	3325.1	4.95	4.75	4.66	3295.1	3325.1	10.65	11.53	12.03	3295.1	3325.1	1.98	1.68	1.36
3527.6	3557.6	4.82	4.74	4.73	3527.6	3557.6	15.22	18.03	19.02	3527.6	3557.6	1.41	1.07	0.88
3760.1	3790.1	4.64	4.53	4.52	3760.1	3790.1	14.90	16.26	17.55	3760.1	3790.1	0.89	0.57	0.46
3992.6	4022.6	5.61	5.46	5.43	3992.6	4022.6	17.74	19.26	20.35	3992.6	4022.6	1.43	0.97	0.72
4225.1	4255.1	6.83	6.47	6.35	4225.1	4255.1	16.67	17.89	18.52	4225.1	4255.1	1.40	1.11	0.93
4457.6	4487.6	6.74	6.44	6.30	4457.6	4487.6	14.52	15.05	16.12	4457.6	4487.6	0.76	0.59	0.50
4690.1	4720.1	6.93	6.53	6.33	4690.1	4720.1	17.00	18.78	18.83	4690.1	4720.1	0.94	0.68	0.48
4922.6	4952.6	6.95	6.61	6.36	4922.6	4952.6	11.85	12.49	13.16	4922.6	4952.6	0.85	0.74	0.64
5155.1	5185.1	6.30	5.97	5.83	5155.1	5185.1	11.80	13.79	14.69	5155.1	5185.1	0.86	0.71	0.65
5387.6	5417.6	6.11	5.72	5.59	5387.6	5417.6	11.88	14.68	15.39	5387.6	5417.6	1.03	0.76	0.65
5620.1	5650.1	6.48	6.09	5.97	5620.1	5650.1	10.81	12.10	14.11	5620.1	5650.1	0.68	0.38	0.21
5852.6	5882.6	7.15	6.44	6.19	5852.6	5882.6	18.93	23.04	22.82	5852.6	5882.6	0.78	0.52	0.32
6085.1	6115.1	6.73	6.07	5.85	6085.1	6115.1	10.32	12.58	14.23	6085.1	6115.1	1.12	1.06	0.87
6317.6	6347.6	6.30	5.68	5.56	6317.6	6347.6	10.31	11.68	13.37	6317.6	6347.6	1.16	0.97	0.83
6550.1	6580.1	6.09	5.47	5.41	6550.1	6580.1	10.76	12.53	13.89	6550.1	6580.1	1.11	0.81	0.69
6805.9	6835.9	6.23	5.61	5.51	6805.9	6835.9	10.97	11.87	13.36	6805.9	6835.9	0.95	0.74	0.65
7038.3	7068.3	6.32	5.85	5.80	7038.3	7068.3	13.48	11.88	13.25	7038.3	7068.3	0.83	0.62	0.54
7294.1	7324.1	6.15	5.63	5.56	7294.1	7324.1	12.55	11.98	12.57	7294.1	7324.1	0.81	0.67	0.63
7526.6	7556.6	5.65	5.28	5.26	7526.6	7556.6	11.33	11.52	11.88	7526.6	7556.6	1.02	0.87	0.92
7782.3	7812.3	5.39	5.13	5.33	7782.3	7812.3	10.49	10.00	10.56	7782.3	7812.3	1.20	1.16	1.34
8014.9	8044.9	5.49	5.26	5.44	8014.9	8044.9	10.32	11.09	14.34	8014.9	8044.9	1.21	1.01	0.98
8270.6	8300.6	5.50	5.21	5.23	8270.6	8300.6	15.24	15.74	16.51	8270.6	8300.6	1.14	0.88	0.88
8503.1	8533.1	5.44	5.29	5.45	8503.1	8533.1	11.83	16.76	19.50	8503.1	8533.1	1.28	0.81	0.66
8758.8	8788.8	6.90	6.11	5.84	8758.8	8788.8	25.96	16.84	16.21	8758.8	8788.8	1.56	1.40	1.40
8991.3	9021.3	7.29	6.29	6.01	8991.3	9021.3	18.98	15.88	14.94	8991.3	9021.3	1.52	1.65	1.74
9247.1	9277.1	8.03	7.23	8.42	9247.1	9277.1	11.75	7.50	12.30	9247.1	9277.1	2.39	2.58	1.46
9479.6	9509.6	9.33	7.86	7.47	9479.6	9509.6	8.71	12.76	13.02	9479.6	9509.6	1.33	1.23	1.08
9735.4	9765.4	8.27	6.91	6.70	9735.4	9765.4	11.28	17.47	16.34	9735.4	9765.4	0.83	0.74	0.68
9967.9	9997.9	8.95	7.41	7.09	9967.9	9997.9	15.12	17.53	17.84	9967.9	9997.9	0.19	0.47	0.49
10223.6	10253.6	7.86	7.13	7.00	10223.6	10253.6	14.93	17.64	16.31	10223.6	10253.6	0.72	0.58	0.58
10456.1	10486.1	7.71	7.14	7.07	10456.1	10486.1	15.08	16.08	14.16	10456.1	10486.1	0.88	0.62	0.59
10711.8	10741.8	7.47	7.21	7.23	10711.8	10741.8	12.73	12.20	12.27	10711.8	10741.8	1.06	0.70	0.66
10944.4	10974.4	8.68	8.33	8.07	10944.4	10974.4	11.22	14.74	16.22	10944.4	10974.4	0.58	0.65	1.69
11200.1	11230.1	13.34	13.12	14.04	11200.1	11230.1	14.57	15.79	12.41	11200.1	11230.1	-0.03	0.44	1.02



Frequency Mixer

MCA1-80LH+

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=5400MHz (dB)
		@LO (dBm)
		+10
1599.9	3800.1	10.72
1514.0	3886.0	9.84
1428.0	3972.0	9.90
1342.1	4057.9	9.44
1256.1	4143.9	8.90
1170.2	4229.8	8.24
1084.3	4315.7	7.91
998.3	4401.7	7.66
912.4	4487.6	7.24
826.4	4573.6	6.92
740.5	4659.5	6.58
654.6	4745.4	6.19
568.6	4831.4	6.07
482.7	4917.3	5.73
396.7	5003.3	5.47
310.8	5089.2	5.57
224.9	5175.1	5.58
138.9	5261.1	5.69
53.0	5347.0	5.73
28.5	5428.5	5.94
102.7	5502.7	5.91
176.8	5576.8	6.11
251.0	5651.0	6.10
325.1	5725.1	5.90
399.2	5799.2	5.96
473.4	5873.4	6.00
547.5	5947.5	6.07
621.6	6021.6	6.13
695.8	6095.8	6.09
751.4	6151.4	6.25
825.5	6225.5	6.53
881.1	6281.1	7.10
955.3	6355.3	7.49
1010.9	6410.9	8.31
1085.0	6485.0	8.43
1140.6	6540.6	8.84
1214.8	6614.8	8.81
1270.4	6670.4	9.48
1344.5	6744.5	9.84
1400.1	6800.1	10.24

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2790MHz (dB)
		@LO (dBm)
		+10
10.1	2800.1	6.12
50.1	2840.1	6.01
90.1	2880.1	5.94
130.1	2920.1	5.92
170.1	2960.1	6.02
210.1	3000.1	5.93
250.1	3040.1	5.96
290.1	3080.1	5.91
330.1	3120.1	5.91
370.1	3160.1	5.93
410.1	3200.1	5.90
450.1	3240.1	6.04
490.1	3280.1	5.97
530.1	3320.1	5.95
570.1	3360.1	5.96
610.1	3400.1	5.86
650.1	3440.1	5.90
690.1	3480.1	5.92
730.1	3520.1	5.87
770.1	3560.1	5.79
810.1	3600.1	5.73
850.1	3640.1	5.68
890.1	3680.1	5.78
930.1	3720.1	5.88
970.1	3760.1	5.85
1010.1	3800.1	5.93
1050.1	3840.1	5.99
1110.1	3900.1	6.68
1150.1	3940.1	6.78
1210.1	4000.1	6.49
1250.1	4040.1	6.84
1310.1	4100.1	6.56
1350.1	4140.1	6.82
1410.1	4200.1	8.25
1450.1	4240.1	8.42
1510.1	4300.1	8.71
1550.1	4340.1	9.47
1610.1	4400.1	8.94
1650.1	4440.1	9.24
1710.1	4500.1	10.07

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=8010.1MHz (dB)
		@LO (dBm)
		+10
1610.0	6400.1	10.43
1570.0	6440.1	10.23
1530.0	6480.1	10.30
1490.0	6520.1	10.10
1450.0	6560.1	9.70
1410.0	6600.1	9.51
1370.0	6640.1	9.24
1330.0	6680.1	8.63
1290.0	6720.1	8.30
1250.0	6760.1	7.65
1210.0	6800.1	7.11
1170.0	6840.1	6.82
1130.0	6880.1	6.53
1090.0	6920.1	6.43
1050.0	6960.1	6.47
1010.0	7000.1	6.48
970.0	7040.1	6.40
930.0	7080.1	6.31
890.0	7120.1	6.22
850.0	7160.1	5.93
810.0	7200.1	5.79
770.0	7240.1	5.61
730.0	7280.1	5.55
690.0	7320.1	5.50
650.0	7360.1	5.42
610.0	7400.1	5.42
570.0	7440.1	5.47
530.0	7480.1	5.42
490.0	7520.1	5.28
450.0	7560.1	5.20
410.0	7600.1	5.17
370.0	7640.1	5.21
330.0	7680.1	5.25
290.0	7720.1	5.30
250.0	7760.1	5.34
210.0	7800.1	5.29
170.0	7840.1	5.37
110.0	7900.1	5.33
70.0	7940.1	5.43
10.0	8000.1	5.68

REV. X3
MCA1-80LH+
101027
Page 2 of 5



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant
P.O. Box 350166, Brooklyn, New York 11235-0006 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, instantly • For detailed performance specs & shopping online see



Frequency Mixer

MCA1-80LH+

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)		
	+7	+10	+13	+7	+10	+13			+7	+10	+13
1930.1	24.39	22.92	21.66	3.78	3.71	3.29	1900.1	1930.1	23.00	23.84	26.43
2162.6	29.34	28.80	29.58	4.41	4.96	4.92	2132.6	2162.6	22.65	22.65	23.43
2395.1	43.93	37.00	34.85	6.77	6.94	6.83	2365.1	2395.1	26.49	26.53	28.66
2627.6	40.83	41.74	43.71	9.10	9.08	8.44	2597.6	2627.6	60.74	45.26	38.92
2860.1	45.64	41.35	39.67	13.27	11.96	11.24	2830.1	2860.1	33.49	31.29	29.88
3092.6	45.54	39.75	37.25	14.38	12.93	12.24	3062.6	3092.6	26.69	24.77	23.55
3325.1	42.04	54.63	43.61	14.67	13.94	13.34	3295.1	3325.1	20.72	19.91	19.33
3557.6	35.09	37.77	38.14	13.68	13.73	13.52	3527.6	3557.6	16.45	15.86	15.53
3790.1	29.90	30.83	31.75	12.24	13.09	13.73	3760.1	3790.1	14.70	14.17	13.76
4022.6	29.09	32.04	34.85	10.69	12.15	13.53	3992.6	4022.6	13.45	13.31	13.21
4255.1	25.06	28.72	32.01	12.88	14.70	16.56	4225.1	4255.1	9.89	9.97	9.93
4487.6	26.28	28.92	31.08	16.64	18.37	19.83	4457.6	4487.6	10.42	10.64	10.77
4720.1	31.34	34.65	37.01	21.05	22.00	22.54	4690.1	4720.1	13.08	13.41	13.68
4952.6	35.00	38.73	42.18	24.81	24.82	24.62	4922.6	4952.6	14.12	14.29	14.46
5185.1	36.67	40.06	44.06	28.27	27.24	26.07	5155.1	5185.1	16.48	16.74	16.97
5417.6	39.34	41.33	44.14	31.46	29.46	27.78	5387.6	5417.6	18.56	18.84	19.19
5650.1	44.92	44.33	43.76	33.17	31.14	29.42	5620.1	5650.1	20.38	20.84	21.14
5882.6	47.50	44.98	41.67	35.48	32.97	31.17	5852.6	5882.6	21.47	21.48	21.44
6115.1	44.16	42.39	39.89	37.96	35.54	33.12	6085.1	6115.1	25.18	25.17	25.09
6347.6	38.32	37.04	36.39	40.78	37.87	35.64	6317.6	6347.6	28.73	28.73	28.50
6580.1	42.90	39.63	37.03	45.97	39.78	37.09	6550.1	6580.1	30.04	29.23	28.79
6835.9	40.00	36.36	33.81	51.63	42.89	38.98	6805.9	6835.9	28.60	27.59	27.17
7068.4	33.56	30.83	28.22	43.96	45.88	39.29	7038.3	7068.3	25.66	25.17	24.75
7324.1	32.85	30.08	28.06	41.33	36.59	31.88	7294.1	7324.1	28.82	28.54	27.92
7556.6	31.24	29.53	27.39	35.44	32.01	27.92	7526.6	7556.6	25.64	26.09	26.33
7812.4	29.51	28.32	26.85	27.44	24.62	22.52	7782.3	7812.3	22.56	23.19	23.80
8044.9	28.55	26.94	25.32	22.00	21.93	21.83	8014.9	8044.9	22.21	23.02	23.77
8300.6	26.51	25.44	23.85	22.31	23.35	22.71	8270.6	8300.6	22.80	23.09	23.52
8533.1	25.83	25.17	24.11	23.22	24.08	23.72	8503.1	8533.1	24.87	25.97	26.99
8788.8	21.89	22.53	22.71	24.03	26.09	26.36	8758.8	8788.8	21.52	22.21	22.83
9021.3	19.96	20.82	21.06	21.79	24.04	25.87	8991.3	9021.3	21.18	21.52	21.95
9277.1	18.57	18.87	19.53	21.77	23.70	25.21	9247.1	9277.1	21.29	21.65	22.99
9509.6	20.13	22.12	21.90	22.45	24.12	24.73	9479.6	9509.6	23.46	24.55	25.46
9765.4	29.20	28.73	26.31	30.48	28.70	27.98	9735.4	9765.4	24.79	24.14	24.08
9997.8	53.17	36.27	29.37	55.43	39.31	32.92	9967.9	9997.9	23.99	24.12	24.18
10253.6	34.23	31.92	28.29	35.29	38.41	34.13	10223.6	10253.6	28.98	29.35	29.19
10486.1	29.37	27.57	25.55	38.34	37.48	33.55	10456.1	10486.1	37.01	35.70	34.79
10741.9	25.15	24.39	22.34	34.93	31.56	29.16	10711.8	10741.8	34.30	34.27	35.41
10974.4	24.80	23.54	20.85	24.54	23.18	22.01	10944.4	10974.4	24.98	24.35	23.74
11230.1	36.88	30.46	25.60	18.54	18.23	17.48	11200.1	11230.1	16.47	15.85	15.08

Frequency Mixer

MCA1-80LH+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=8000MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+7	+10	+13		+7	+10	+13		+7	+10	+13
1900.1	1930.1	3.56	2.75	2.20	1930.1	1.72	1.74	1.79	10.1	1.17	1.06	1.26
2132.6	2162.6	4.68	3.59	3.00	2162.6	2.04	2.14	2.37	90.1	1.19	1.11	1.30
2365.1	2395.1	5.36	4.66	4.05	2395.1	2.43	2.57	2.92	170.1	1.22	1.18	1.36
2597.6	2627.6	4.12	3.72	3.42	2627.6	2.56	2.77	3.22	250.1	1.29	1.28	1.44
2830.1	2860.1	3.19	2.74	2.48	2860.1	2.15	2.65	3.25	330.1	1.42	1.37	1.47
3062.6	3092.6	2.50	2.15	1.92	3092.6	1.91	2.52	3.21	410.1	1.54	1.46	1.52
3295.1	3325.1	1.99	1.74	1.58	3325.1	1.67	2.23	2.88	490.1	1.65	1.54	1.55
3527.6	3557.6	1.31	1.17	1.09	3557.6	1.44	2.02	2.65	570.1	1.74	1.60	1.57
3760.1	3790.1	1.51	1.29	1.14	3790.1	1.35	1.90	2.56	650.1	1.85	1.65	1.57
3992.6	4022.6	1.83	1.69	1.63	4022.6	1.40	1.86	2.46	730.1	1.92	1.68	1.54
4225.1	4255.1	2.20	2.07	1.97	4255.1	1.46	1.94	2.52	810.1	1.93	1.68	1.52
4457.6	4487.6	2.31	2.19	2.10	4487.6	1.64	2.03	2.56	890.1	2.03	1.77	1.56
4690.1	4720.1	2.53	2.35	2.21	4720.1	1.83	2.19	2.72	970.1	2.26	1.94	1.66
4922.6	4952.6	3.32	3.13	2.97	4952.6	2.05	2.35	2.89	1050.1	2.41	2.05	1.74
5155.1	5185.1	2.97	2.69	2.49	5185.1	2.40	2.48	2.92	1130.1	2.42	2.07	1.76
5387.6	5417.6	2.72	2.40	2.14	5417.6	2.85	2.70	3.00	1210.1	2.30	2.01	1.75
5620.1	5650.1	3.02	2.48	2.17	5650.1	3.24	2.91	3.09	1290.1	2.26	2.07	1.89
5852.6	5882.6	3.21	2.80	2.57	5882.6	3.52	2.80	2.82	1370.1	2.44	2.26	2.12
6085.1	6115.1	3.48	3.02	2.78	6115.1	4.15	2.91	2.68	1450.1	2.64	2.43	2.26
6317.6	6347.6	3.19	2.61	2.36	6347.6	4.30	2.90	2.46	1530.1	2.42	2.24	2.11
6550.1	6580.1	2.79	2.23	2.01	6580.1	4.23	2.56	1.99	1610.1	1.93	1.85	1.78
6805.9	6835.9	2.42	1.99	1.81	6835.9	3.56	2.20	1.62	1690.1	1.72	1.70	1.69
7038.3	7068.3	2.05	1.70	1.51	7068.4	2.97	1.93	1.41	1770.1	1.87	1.87	1.87
7294.1	7324.1	2.09	1.67	1.45	7324.1	2.44	1.60	1.21	1850.1	1.82	1.85	1.88
7526.6	7556.6	1.93	1.58	1.33	7556.6	2.06	1.37	1.20	1930.1	1.48	1.51	1.55
7782.3	7812.3	1.74	1.44	1.20	7812.4	1.80	1.32	1.32	2010.1	1.46	1.53	1.60
8014.9	8044.9	1.50	1.29	1.24	8044.9	1.89	1.46	1.49	2090.1	1.65	1.82	1.97
8270.6	8300.6	1.43	1.31	1.32	8300.6	2.12	1.63	1.60	2170.1	1.81	2.01	2.20
8503.1	8533.1	1.21	1.11	1.20	8533.1	2.19	1.66	1.57	2250.1	1.92	2.12	2.29
8758.8	8788.8	2.01	1.78	1.61	8788.8	2.31	1.73	1.54	2310.1	2.03	2.27	2.48
8991.3	9021.3	2.41	2.09	1.92	9021.3	2.21	1.71	1.47	2390.1	2.26	2.54	2.78
9247.1	9277.1	3.12	2.69	2.08	9277.1	1.87	1.48	1.21	2450.1	2.52	2.84	3.13
9479.6	9509.6	2.30	2.24	2.17	9509.6	2.95	2.64	2.09	2530.1	2.82	3.19	3.50
9735.4	9765.4	3.05	2.55	2.33	9765.4	4.93	3.35	2.33	2590.1	2.86	3.25	3.57
9967.9	9997.9	3.62	3.06	2.78	9997.8	5.12	3.26	2.34	2670.1	3.15	3.60	3.97
10223.6	10253.6	3.34	2.91	2.71	10253.6	4.39	2.95	2.42	2730.1	3.33	3.83	4.22
10456.1	10486.1	3.24	2.83	2.57	10486.1	3.70	2.82	2.64	2810.1	3.31	3.79	4.15
10711.8	10741.8	3.04	2.67	2.29	10741.9	2.87	2.68	2.80	2870.1	3.42	3.93	4.32
10944.4	10974.4	3.01	2.73	2.54	10974.4	2.18	2.29	2.48	2950.1	3.47	3.99	4.38
11200.1	11230.1	3.09	2.91	2.75	11230.1	1.50	1.58	1.75	3010.1	3.17	3.62	3.97



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	3	26	17	49	---	---	---	---	---	---
1	-	13	+0	44	26	48	52	---	---	---	---	---
2	83	68	61	53	63	66	61	60	---	---	---	---
3	>90	>74	67	>74	58	>74	72	>74	>74	---	---	---
4	89	>74	>74	>74	>74	>74	>74	>74	>74	>74	---	---
5	---	---	>74	>74	>74	>74	>74	>74	>74	>74	>74	---
6	---	---	---	>74	>74	>74	>74	>74	>74	>74	>74	>74
7	---	---	---	---	>74	>74	>74	>74	>74	>74	>74	>74
8	---	---	---	---	---	>74	>74	>74	>74	>74	>74	>74
9	---	---	---	---	---	---	>74	>74	>74	>74	>74	>74
10	---	---	---	---	---	---	---	>74	>74	>74	>74	>74
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 5400 MHz; -10.00 dBm.
 LO IN: 5430 MHz; +10.00 dBm
 IF OUT: 30 MHz; -15.81 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	13	37	28	50	---	---	---	---	---	---
1	-	13	+0	51	26	51	56	---	---	---	---	---
2	63	56	52	47	55	60	55	57	---	---	---	---
3	88	53	46	62	37	60	52	60	70	---	---	---
4	>90	64	82	73	80	57	75	69	70	63	---	---
5	---	---	>84	>84	77	>84	67	76	71	75	>84	---
6	---	---	---	77	>84	83	>84	70	>84	80	84	75
7	---	---	---	---	>84	>84	>84	>84	80	>84	>84	>84
8	---	---	---	---	---	>84	>84	>84	>84	>84	>84	>84
9	---	---	---	---	---	---	>84	>84	>84	>84	>84	>84
10	---	---	---	---	---	---	---	>84	>84	>84	>84	>84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 5400 MHz; 0.00 dBm.
 LO IN: 5430 MHz; +10.00 dBm
 IF OUT: 30 MHz; -6.02 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 represent the Harmonics level of the RF input signal to the mixer.

