

Frequency Mixer

ZX05-153LH+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)		
		@LO (dBm)		
		+7	+10	+13
2400.1	2430.1	20.83	16.63	12.52
2717.6	2747.6	14.34	9.94	7.72
3035.1	3065.1	9.37	6.96	6.18
3352.6	3382.6	7.19	6.48	6.10
3670.1	3700.1	6.62	6.31	6.14
3987.6	4017.6	6.30	6.09	6.00
4305.1	4335.1	6.09	5.92	5.88
4622.6	4652.6	5.84	5.78	5.82
4940.1	4970.1	6.02	5.89	5.86
5257.6	5287.6	6.62	6.40	6.26
5575.1	5605.1	6.44	6.25	6.16
5892.6	5922.6	6.19	6.02	5.96
6210.1	6240.1	6.10	5.90	5.85
6527.6	6557.6	6.10	5.78	5.70
6845.1	6875.1	6.09	5.76	5.62
7162.6	7192.6	5.73	5.42	5.34
7480.1	7510.1	5.92	5.69	5.64
7797.6	7827.6	5.90	5.73	5.83
8115.1	8145.1	5.84	5.79	5.96
8432.6	8462.6	5.72	5.67	5.88
8750.1	8780.1	5.95	5.92	6.04
9099.3	9129.3	6.25	6.21	6.35
9416.9	9446.9	6.87	6.79	6.92
9766.1	9796.1	7.88	7.82	7.95
10083.6	10113.6	8.21	8.15	8.26
10432.8	10462.8	8.66	8.58	8.66
10750.4	10780.4	8.77	8.65	8.69
11099.6	11129.6	8.95	8.75	8.73
11417.1	11447.1	9.26	8.72	8.62
11766.3	11796.3	15.08	9.40	8.64
12083.9	12113.9	12.68	9.58	9.16
12433.1	12463.1	10.93	9.07	8.99
12750.6	12780.6	9.44	8.76	8.89
13099.8	13129.8	8.55	8.17	8.30
13417.4	13447.4	8.51	8.39	8.57
13766.6	13796.6	8.79	8.74	8.97
14084.1	14114.1	8.82	8.79	9.13
14433.3	14463.3	9.52	9.48	10.06
14750.8	14780.8	9.08	9.14	10.09
15100.1	15130.1	10.61	10.74	11.83

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)		
		@LO (dBm)		
		+7	+10	+13
2400.1	2430.1	-5.53	-3.95	-0.96
2717.6	2747.6	-3.55	1.53	5.54
3035.1	3065.1	3.01	11.42	10.53
3352.6	3382.6	7.03	11.12	12.63
3670.1	3700.1	9.51	13.37	15.29
3987.6	4017.6	11.67	15.21	15.07
4305.1	4335.1	10.43	11.27	12.78
4622.6	4652.6	17.36	19.39	18.12
4940.1	4970.1	13.02	13.82	14.56
5257.6	5287.6	16.14	14.30	13.06
5575.1	5605.1	13.79	14.28	13.47
5892.6	5922.6	10.99	12.29	12.51
6210.1	6240.1	9.53	11.41	12.27
6527.6	6557.6	8.49	9.28	10.79
6845.1	6875.1	8.76	8.85	9.54
7162.6	7192.6	8.41	8.79	9.31
7480.1	7510.1	9.59	10.00	10.23
7797.6	7827.6	10.73	10.21	10.39
8115.1	8145.1	11.61	11.12	10.67
8432.6	8462.6	12.34	10.89	13.18
8750.1	8780.1	14.80	14.19	13.09
9099.3	9129.3	15.56	15.02	11.31
9416.9	9446.9	15.42	14.47	10.73
9766.1	9796.1	16.27	15.60	12.46
10083.6	10113.6	15.98	15.76	13.91
10432.8	10462.8	16.98	17.22	15.63
10750.4	10780.4	16.24	17.14	15.86
11099.6	11129.6	13.76	16.10	16.09
11417.1	11447.1	10.87	13.61	15.15
11766.3	11796.3	1.27	11.32	12.85
12083.9	12113.9	6.34	11.83	13.68
12433.1	12463.1	11.99	12.38	11.92
12750.6	12780.6	15.26	13.09	9.56
13099.8	13129.8	15.48	13.54	9.41
13417.4	13447.4	14.43	12.98	8.75
13766.6	13796.6	14.68	12.71	8.77
14084.1	14114.1	14.41	11.84	8.28
14433.3	14463.3	14.13	11.72	9.22
14750.8	14780.8	11.59	9.45	11.92
15100.1	15130.1	10.32	9.77	12.16

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+2dBm (dB)		
		@LO (dBm)		
		+7	+10	+13
2400.1	2430.1	-3.05	-1.30	1.04
2717.6	2747.6	-0.16	1.76	2.72
3035.1	3065.1	1.69	2.76	2.49
3352.6	3382.6	2.23	1.83	1.46
3670.1	3700.1	1.52	1.15	0.94
3987.6	4017.6	0.97	0.74	0.60
4305.1	4335.1	0.85	0.70	0.59
4622.6	4652.6	0.48	0.35	0.29
4940.1	4970.1	0.65	0.49	0.40
5257.6	5287.6	0.90	0.76	0.69
5575.1	5605.1	1.15	0.98	0.86
5892.6	5922.6	1.19	1.11	1.02
6210.1	6240.1	1.10	0.98	0.93
6527.6	6557.6	1.13	0.99	0.92
6845.1	6875.1	1.35	1.14	1.04
7162.6	7192.6	1.46	1.20	1.07
7480.1	7510.1	1.20	0.96	0.85
7797.6	7827.6	1.11	0.91	0.83
8115.1	8145.1	1.16	1.03	0.97
8432.6	8462.6	0.93	0.92	0.97
8750.1	8780.1	0.80	0.82	0.95
9099.3	9129.3	0.68	0.76	1.03
9416.9	9446.9	0.73	0.73	0.88
9766.1	9796.1	0.49	0.58	0.77
10083.6	10113.6	0.47	0.58	0.76
10432.8	10462.8	0.34	0.44	0.63
10750.4	10780.4	0.30	0.37	0.54
11099.6	11129.6	0.22	0.31	0.47
11417.1	11447.1	0.15	0.29	0.49
11766.3	11796.3	0.18	0.34	0.63
12083.9	12113.9	0.12	0.26	0.64
12433.1	12463.1	0.07	0.29	0.67
12750.6	12780.6	0.26	0.44	0.97
13099.8	13129.8	0.42	0.54	1.06
13417.4	13447.4	0.46	0.61	1.07
13766.6	13796.6	0.56	0.79	1.14
14084.1	14114.1	0.69	0.96	1.22
14433.3	14463.3	0.66	0.96	0.90
14750.8	14780.8	0.69	0.81	0.43
15100.1	15130.1	0.56	0.57	0.42

REV. X2

ZX05-153LH+

101011

Page 1 of 5



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 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



Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=9100MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3190MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=15010.099MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+10			+10			+10
4100.0	5000.0	9.30	10.1	3200.1	7.02	2910.0	12100.1	11.94
3894.4	5205.6	8.60	130.1	3320.1	6.67	2830.0	12180.1	11.80
3688.7	5411.3	7.67	250.1	3440.1	6.39	2750.0	12260.1	11.92
3483.1	5616.9	7.36	370.1	3560.1	6.15	2670.0	12340.1	11.47
3277.4	5822.6	7.51	490.1	3680.1	6.01	2590.0	12420.1	11.09
3071.8	6028.2	7.78	610.1	3800.1	6.06	2510.0	12500.1	10.79
2866.1	6233.9	7.83	730.1	3920.1	6.15	2430.0	12580.1	10.59
2660.5	6439.5	7.80	850.1	4040.1	6.28	2350.0	12660.1	10.46
2454.9	6645.1	8.14	970.1	4160.1	6.49	2270.0	12740.1	10.48
2249.2	6850.8	8.30	1090.1	4280.1	6.52	2190.0	12820.1	10.28
2043.6	7056.4	8.01	1210.1	4400.1	6.65	2110.0	12900.1	9.94
1837.9	7262.1	7.61	1330.1	4520.1	6.78	2030.0	12980.1	9.67
1632.3	7467.7	7.32	1450.1	4640.1	7.08	1950.0	13060.1	9.60
1426.6	7673.4	7.24	1550.1	4740.1	7.43	1870.0	13140.1	9.53
1221.0	7879.0	7.06	1670.1	4860.1	7.71	1790.0	13220.1	9.39
1015.4	8084.6	6.96	1770.1	4960.1	8.00	1710.0	13300.1	9.24
809.7	8290.3	6.80	1890.1	5080.1	8.14	1630.0	13380.1	9.19
604.1	8495.9	6.56	1990.1	5180.1	8.15	1550.0	13460.1	9.08
398.4	8701.6	6.29	2110.1	5300.1	8.02	1470.0	13540.1	9.06
192.8	8907.2	6.23	2210.1	5400.1	7.85	1410.0	13600.1	8.91
10.0	9110.0	6.44	2330.1	5520.1	7.80	1330.0	13680.1	8.86
164.5	9264.5	6.22	2430.1	5620.1	7.81	1270.0	13740.1	8.85
336.2	9436.2	6.15	2550.1	5740.1	7.78	1190.0	13820.1	8.81
490.7	9590.7	6.27	2650.1	5840.1	7.73	1130.0	13880.1	8.85
662.3	9762.3	6.62	2770.1	5960.1	7.63	1050.0	13960.1	8.92
816.8	9916.8	6.90	2870.1	6060.1	7.49	990.0	14020.1	8.89
988.5	10088.5	7.03	2990.1	6180.1	7.52	910.0	14100.1	8.90
1143.0	10243.0	7.14	3090.1	6280.1	7.52	850.0	14160.1	8.89
1314.7	10414.7	7.21	3210.1	6400.1	7.47	770.0	14240.1	8.81
1469.2	10569.2	7.39	3310.1	6500.1	7.48	710.0	14300.1	8.90
1640.8	10740.8	7.37	3430.1	6620.1	7.55	630.0	14380.1	8.89
1795.3	10895.3	7.49	3530.1	6720.1	7.62	570.0	14440.1	8.92
1967.0	11067.0	7.67	3650.1	6840.1	7.70	490.0	14520.1	8.96
2121.5	11221.5	7.78	3750.1	6940.1	7.83	430.0	14580.1	8.97
2293.2	11393.2	7.89	3870.1	7060.1	7.83	350.0	14660.1	9.04
2447.7	11547.7	8.10	3970.1	7160.1	8.05	290.0	14720.1	9.13
2619.3	11719.3	8.71	4090.1	7280.1	8.49	210.0	14800.1	9.31
2773.8	11873.8	9.27	4190.1	7380.1	8.83	150.0	14860.1	9.40
2945.5	12045.5	9.36	4310.1	7500.1	9.57	70.0	14940.1	9.56
3100.0	12200.0	9.92	4410.1	7600.1	10.17	10.0	15000.1	9.88

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+7	+10	+13	+7	+10	+13
2430.1	45.01	45.09	45.65	24.77	24.71	24.95
2747.6	42.08	44.29	42.66	22.69	22.73	23.43
3065.1	44.64	44.88	41.51	20.99	21.54	22.94
3382.6	55.18	47.93	44.17	19.62	21.03	22.13
3700.1	50.77	49.54	48.66	19.08	19.96	20.43
4017.6	42.42	41.94	42.15	18.60	18.60	18.59
4335.1	39.40	39.33	39.67	17.33	16.87	16.54
4652.6	39.05	38.78	38.35	14.56	14.04	13.56
4970.1	38.13	37.93	37.38	13.26	12.51	11.63
5287.6	36.29	37.12	37.42	13.13	12.44	11.79
5605.1	35.17	36.51	37.62	13.69	13.48	13.17
5922.6	35.78	37.32	38.78	14.54	14.96	15.10
6240.1	36.40	38.84	41.00	15.28	16.26	16.78
6557.6	37.13	39.05	40.50	15.80	17.07	18.22
6875.1	37.55	38.96	39.72	15.93	17.51	19.16
7192.6	37.85	38.00	37.02	15.31	16.89	18.45
7510.1	37.43	38.26	36.99	14.51	15.30	15.64
7827.6	34.14	33.91	33.35	13.97	13.43	12.44
8145.1	31.80	30.64	30.05	14.66	13.52	12.78
8462.6	36.69	35.82	34.25	17.59	16.57	16.15
8780.1	38.68	41.12	43.41	21.10	20.74	20.88
9129.4	32.77	32.46	32.03	24.44	24.57	24.06
9446.8	29.58	29.13	28.82	21.98	21.89	21.55
9796.1	29.97	29.83	29.77	19.83	19.84	19.45
10113.6	32.33	32.92	33.24	19.91	20.20	19.84
10462.8	40.39	42.67	45.40	22.76	22.90	23.00
10780.4	37.28	37.87	37.75	25.73	26.52	26.62
11129.6	30.58	31.54	31.56	29.41	30.35	30.59
11447.1	27.29	28.90	29.78	33.54	34.57	34.99
11796.3	28.25	29.64	31.48	39.63	39.83	40.37
12113.9	36.08	39.66	41.14	43.95	43.50	42.79
12463.1	41.64	36.99	32.59	45.08	42.61	40.78
12780.6	33.29	30.70	28.22	45.18	43.72	41.74
13129.8	28.12	27.84	27.52	42.83	41.91	40.72
13447.4	26.29	27.25	28.34	39.61	39.04	38.93
13796.6	27.40	28.96	30.42	35.48	35.63	35.76
14114.1	31.01	31.62	32.22	31.37	31.84	32.16
14463.3	33.28	32.53	31.78	25.25	26.17	26.48
14780.9	26.81	26.87	26.64	19.35	20.20	21.05
15130.1	17.02	17.19	17.39	17.89	18.83	19.80

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+7	+10	+13
2400.1	2430.1	15.16	15.17	14.93
2717.6	2747.6	15.25	15.58	13.04
3035.1	3065.1	18.95	16.58	15.20
3352.6	3382.6	19.08	18.65	18.54
3670.1	3700.1	22.37	22.24	21.81
3987.6	4017.6	21.43	20.69	19.88
4305.1	4335.1	18.56	18.00	17.52
4622.6	4652.6	17.81	17.48	17.14
4940.1	4970.1	20.68	20.13	19.64
5257.6	5287.6	24.51	24.05	23.50
5575.1	5605.1	23.03	22.90	22.72
5892.6	5922.6	23.15	22.97	22.81
6210.1	6240.1	24.63	24.43	24.23
6527.6	6557.6	27.28	27.15	27.01
6845.1	6875.1	33.28	33.20	32.99
7162.6	7192.6	34.17	33.89	33.71
7480.1	7510.1	22.88	22.48	22.17
7797.6	7827.6	18.13	17.84	17.55
8115.1	8145.1	16.68	16.50	16.42
8432.6	8462.6	18.17	17.44	17.29
8750.1	8780.1	24.64	23.62	22.79
9099.3	9129.3	31.24	31.66	30.62
9416.9	9446.9	18.63	18.71	18.98
9766.1	9796.1	17.17	17.28	17.41
10083.6	10113.6	17.23	17.53	17.78
10432.8	10462.8	20.06	20.53	20.80
10750.4	10780.4	21.14	21.46	21.85
11099.6	11129.6	24.52	24.99	25.30
11417.1	11447.1	26.18	27.03	27.41
11766.3	11796.3	25.85	27.71	28.54
12083.9	12113.9	27.92	29.58	29.96
12433.1	12463.1	28.78	29.96	29.83
12750.6	12780.6	28.19	28.50	28.65
13099.8	13129.8	26.65	26.84	26.97
13417.4	13447.4	25.22	25.32	25.44
13766.6	13796.6	24.08	24.14	24.23
14084.1	14114.1	24.20	24.31	24.50
14433.3	14463.3	26.61	26.67	26.75
14750.8	14780.8	24.16	24.49	25.81
15100.1	15130.1	13.29	13.30	13.41

Frequency Mixer

ZX05-153LH+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=15000MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+7	+10	+13		+7	+10	+13		+7	+10	+13
2400.1	2430.1	4.80	3.81	2.77	2430.0	38.61	37.77	34.75	10.0	1.45	1.86	2.50
2717.6	2747.6	3.19	2.17	1.60	2755.0	36.20	34.07	27.59	130.2	1.46	1.89	2.55
3035.1	3065.1	2.95	2.28	2.08	3080.0	27.16	20.70	17.39	250.5	1.31	1.68	2.27
3352.6	3382.6	2.92	2.73	2.61	3405.0	13.39	11.93	12.44	370.7	1.03	1.28	1.88
3670.1	3700.1	2.99	2.87	2.79	3730.0	7.34	8.47	9.79	491.0	1.43	1.35	1.74
3987.6	4017.6	3.00	2.85	2.73	4055.0	5.23	6.53	7.90	611.2	1.69	1.56	1.78
4305.1	4335.1	2.84	2.64	2.50	4380.0	3.47	4.34	5.25	731.4	1.80	1.68	1.81
4622.6	4652.6	2.34	2.19	2.06	4705.0	2.26	2.78	3.31	851.7	1.86	1.71	1.77
4940.1	4970.1	2.70	2.49	2.31	5030.0	1.54	1.88	2.27	971.9	1.96	1.77	1.73
5257.6	5287.6	3.57	3.33	3.07	5355.0	1.44	1.87	2.35	1092.2	2.06	1.84	1.73
5575.1	5605.1	3.58	3.39	3.22	5680.0	2.03	2.68	3.34	1212.4	2.14	1.89	1.70
5892.6	5922.6	3.25	3.08	2.95	6005.0	2.82	3.67	4.54	1352.7	2.25	1.96	1.67
6210.1	6240.1	2.90	2.69	2.57	6330.0	3.59	4.36	5.31	1472.9	2.28	1.97	1.64
6527.6	6557.6	2.72	2.43	2.26	6655.0	4.05	4.72	5.49	1613.2	2.27	1.93	1.55
6845.1	6875.1	2.53	2.28	2.10	6980.0	4.02	4.46	5.00	1733.5	2.30	1.96	1.52
7162.6	7192.6	2.18	1.94	1.79	7305.0	3.85	3.90	4.25	1873.7	2.33	1.97	1.49
7480.1	7510.1	1.89	1.73	1.61	7630.0	3.30	3.19	3.30	1994.0	2.28	1.91	1.44
7797.6	7827.6	1.90	1.78	1.70	7955.0	2.60	2.46	2.54	2134.3	2.22	1.87	1.43
8115.1	8145.1	1.96	1.93	1.92	8280.0	2.00	1.88	2.00	2254.5	2.23	1.89	1.49
8432.6	8462.6	2.25	2.23	2.29	8605.0	1.74	1.82	2.06	2394.8	2.38	2.04	1.72
8750.1	8780.1	2.73	2.69	2.71	8930.0	1.71	1.92	2.24	2515.0	2.68	2.36	2.05
9099.3	9129.3	3.29	3.22	3.20	9255.0	1.79	1.99	2.32	2655.3	2.78	2.47	2.20
9416.9	9446.9	3.42	3.31	3.19	9580.0	1.87	2.04	2.37	2775.5	2.62	2.37	2.20
9766.1	9796.1	4.04	3.95	3.79	9905.0	1.94	2.11	2.44	2915.8	2.71	2.51	2.41
10083.6	10113.6	4.72	4.55	4.41	10230.0	1.97	2.13	2.47	3036.1	2.72	2.55	2.52
10432.8	10462.8	4.59	4.46	4.32	10555.0	2.07	2.24	2.59	3176.3	2.57	2.49	2.61
10750.4	10780.4	4.61	4.45	4.20	10880.0	2.40	2.46	2.74	3296.6	2.56	2.53	2.73
11099.6	11129.6	5.28	5.04	4.79	11205.0	2.73	2.54	2.62	3436.9	2.58	2.60	2.88
11417.1	11447.1	5.74	5.25	4.93	11530.0	2.12	1.89	1.81	3557.1	2.69	2.78	3.15
11766.3	11796.3	6.94	5.14	4.54	11855.0	1.80	1.72	1.56	3697.4	2.97	3.13	3.62
12083.9	12113.9	5.81	4.66	4.17	12180.0	3.73	3.21	2.65	3817.6	3.15	3.37	3.96
12433.1	12463.1	6.05	4.86	4.41	12505.0	5.51	4.07	3.02	3957.9	3.05	3.30	3.89
12750.6	12780.6	5.31	4.55	4.13	12830.0	6.09	4.12	3.01	4078.2	3.19	3.50	4.15
13099.8	13129.8	4.75	4.26	3.88	13155.0	4.72	3.65	3.27	4218.4	3.65	4.06	4.89
13417.4	13447.4	4.69	4.37	4.05	13480.0	3.52	3.58	3.86	4338.7	3.97	4.44	5.36
13766.6	13796.6	4.43	4.11	3.79	13805.0	3.17	3.78	4.42	4479.0	4.19	4.68	5.56
14084.1	14114.1	3.95	3.70	3.36	14130.0	3.20	3.91	4.61	4599.2	4.44	4.92	5.75
14433.3	14463.3	3.91	3.60	3.13	14455.0	3.18	3.67	4.19	4739.5	5.13	5.65	6.51
14750.8	14780.8	3.35	2.94	2.45	14805.0	3.09	3.31	3.67	4859.7	5.79	6.30	7.11
15100.1	15130.1	1.63	1.49	1.36	15130.0	2.67	2.69	2.89	5000.0	6.51	7.02	7.76

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+14	19	5	---	---	---	---	---	---	---
1	-	12	+0	31	24	39	---	---	---	---	---	---
2	81	55	42	45	50	52	47	---	---	---	---	---
3	89	62	66	>72	61	62	68	71	---	---	---	---
4	---	---	>72	>72	>72	>72	>72	>72	>72	---	---	---
5	---	---	---	>72	>72	>72	>72	>72	>72	>72	---	---
6	---	---	---	---	>72	>72	>72	>72	>72	>72	>72	---
7	---	---	---	---	---	>72	>72	>72	>72	>72	>72	>72
8	---	---	---	---	---	---	>72	>72	>72	>72	>72	>72
9	---	---	---	---	---	---	---	>72	>72	>72	>72	>72
10	---	---	---	---	---	---	---	---	>72	>72	>72	>72
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 7750 MHz; -12.00 dBm.
LO IN: 7780 MHz; +10.00 dBm
IF OUT: 30 MHz; -17.92 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+4	30	16	---	---	---	---	---	---	---
1	-	12	+0	34	25	45	---	---	---	---	---	---
2	61	44	31	36	42	45	41	---	---	---	---	---
3	63	43	46	55	41	46	53	56	---	---	---	---
4	---	---	68	64	60	55	65	60	57	---	---	---
5	---	---	---	70	81	73	60	59	68	66	---	---
6	---	---	---	---	>82	76	73	71	77	73	72	---
7	---	---	---	---	---	>82	>82	81	73	74	80	75
8	---	---	---	---	---	---	>82	>82	>82	74	>82	>82
9	---	---	---	---	---	---	---	>82	>82	>82	>82	>82
10	---	---	---	---	---	---	---	---	>82	>82	>82	82
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 7750 MHz; -2.00 dBm.
LO IN: 7780 MHz; +10.00 dBm
IF OUT: 30 MHz; -8.17 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.