

Frequency Mixer

MBA-25L+

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=0dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+1	+4	+7			+1	+4	+7			+1	+4	+7
1560.0	1590.0	13.66	10.55	9.30	1560.0	1590.0	9.86	12.28	16.05	1560.0	1590.0	-0.43	0.15	0.13
1680.0	1710.0	12.22	9.65	8.83	1680.0	1710.0	10.12	17.54	11.15	1680.0	1710.0	-0.12	0.18	0.11
1800.0	1830.0	11.25	9.00	8.26	1800.0	1830.0	8.94	14.76	11.70	1800.0	1830.0	-0.11	0.29	0.19
1920.0	1950.0	10.00	8.28	7.70	1920.0	1950.0	8.18	10.28	11.55	1920.0	1950.0	0.26	0.37	0.25
2040.0	2070.0	9.25	8.01	7.51	2040.0	2070.0	4.99	7.27	10.12	2040.0	2070.0	0.33	0.27	0.18
2160.0	2190.0	8.79	7.74	7.26	2160.0	2190.0	4.51	6.49	10.10	2160.0	2190.0	0.40	0.25	0.15
2280.0	2310.0	8.20	7.49	7.19	2280.0	2310.0	6.33	8.49	10.10	2280.0	2310.0	0.60	0.24	0.08
2400.0	2430.0	7.65	7.11	6.89	2400.0	2430.0	9.25	11.47	11.10	2400.0	2430.0	0.67	0.23	0.08
2520.0	2550.0	7.62	7.19	7.01	2520.0	2550.0	14.01	11.93	10.14	2520.0	2550.0	0.50	0.06	-0.08
2640.0	2670.0	7.61	7.25	7.13	2640.0	2670.0	16.54	11.30	9.79	2640.0	2670.0	0.50	0.06	-0.08
2760.0	2790.0	7.54	7.23	7.09	2760.0	2790.0	15.33	12.51	11.14	2760.0	2790.0	0.63	0.20	0.06
2880.0	2910.0	7.60	7.15	6.91	2880.0	2910.0	15.04	10.63	13.00	2880.0	2910.0	0.75	0.38	0.21
3000.0	3030.0	7.78	7.16	6.80	3000.0	3030.0	10.86	13.46	16.24	3000.0	3030.0	0.80	0.60	0.53
3120.0	3150.0	8.03	7.33	6.95	3120.0	3150.0	7.35	6.94	7.16	3120.0	3150.0	1.23	1.00	0.85
3240.0	3270.0	8.48	7.68	7.26	3240.0	3270.0	8.66	11.71	13.42	3240.0	3270.0	1.07	0.84	0.71
3360.0	3390.0	8.00	7.36	7.02	3360.0	3390.0	4.93	5.77	6.31	3360.0	3390.0	1.32	1.02	0.86
3480.0	3510.0	7.82	7.18	6.85	3480.0	3510.0	4.76	6.01	7.04	3480.0	3510.0	1.17	0.89	0.77
3600.0	3630.0	7.62	7.00	6.70	3600.0	3630.0	5.62	6.93	7.83	3600.0	3630.0	1.11	0.77	0.60
3720.0	3750.0	7.49	6.89	6.61	3720.0	3750.0	6.25	7.36	8.43	3720.0	3750.0	1.05	0.77	0.62
3840.0	3870.0	7.46	7.02	6.78	3840.0	3870.0	6.87	7.33	8.17	3840.0	3870.0	0.87	0.59	0.43
3960.0	3990.0	7.45	7.04	6.84	3960.0	3990.0	8.00	8.60	9.27	3960.0	3990.0	0.77	0.45	0.32
4080.0	4110.0	7.33	6.93	6.72	4080.0	4110.0	8.97	9.25	9.93	4080.0	4110.0	0.75	0.42	0.29
4200.0	4230.0	7.20	6.83	6.60	4200.0	4230.0	9.28	9.21	10.04	4200.0	4230.0	0.78	0.44	0.28
4320.0	4350.0	7.21	6.89	6.68	4320.0	4350.0	8.35	8.59	9.83	4320.0	4350.0	0.97	0.56	0.42
4440.0	4470.0	7.08	6.84	6.73	4440.0	4470.0	7.21	7.78	8.54	4440.0	4470.0	1.10	0.63	0.42
4560.0	4590.0	6.80	6.48	6.34	4560.0	4590.0	6.08	6.91	7.97	4560.0	4590.0	1.27	0.81	0.59
4680.0	4710.0	6.51	6.13	5.94	4680.0	4710.0	6.64	7.62	8.79	4680.0	4710.0	1.49	1.03	0.81
4800.0	4830.0	6.44	5.92	5.69	4800.0	4830.0	6.49	8.37	9.94	4800.0	4830.0	1.83	1.30	1.07
4920.0	4950.0	6.64	5.90	5.57	4920.0	4950.0	5.96	8.45	10.30	4920.0	4950.0	1.96	1.56	1.38
5040.0	5070.0	7.00	5.92	5.43	5040.0	5070.0	5.29	7.82	9.47	5040.0	5070.0	1.85	1.70	1.65
5160.0	5190.0	7.09	5.98	5.41	5160.0	5190.0	5.07	8.26	9.81	5160.0	5190.0	1.98	1.82	1.90
5280.0	5310.0	7.24	6.10	5.51	5280.0	5310.0	4.81	7.89	8.82	5280.0	5310.0	2.00	1.83	2.02
5400.0	5430.0	7.68	6.47	5.84	5400.0	5430.0	4.20	7.39	8.28	5400.0	5430.0	1.98	1.83	2.05
5500.0	5530.0	7.95	6.82	6.18	5500.0	5530.0	3.52	6.26	7.29	5500.0	5530.0	1.98	1.76	2.06
5620.0	5650.0	8.56	7.43	6.88	5620.0	5650.0	3.04	4.54	5.74	5620.0	5650.0	1.97	1.60	1.85
5720.0	5750.0	8.84	7.75	7.45	5720.0	5750.0	2.79	4.57	5.58	5720.0	5750.0	1.86	1.52	1.61
5840.0	5870.0	9.06	8.14	7.96	5840.0	5870.0	2.27	5.14	6.92	5840.0	5870.0	1.68	1.34	1.27
5940.0	5970.0	9.76	8.72	8.36	5940.0	5970.0	2.62	7.52	7.74	5940.0	5970.0	1.29	1.11	1.17
6060.0	6090.0	10.56	9.51	9.05	6060.0	6090.0	4.39	10.71	9.46	6060.0	6090.0	1.03	0.94	0.94
6160.0	6190.0	11.15	10.12	9.70	6160.0	6190.0	8.59	11.41	11.52	6160.0	6190.0	1.09	0.86	0.76



Frequency Mixer

MBA-25L+

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2500MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1989.9MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3010.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+4			+4			+4
1000.0	1500.0	9.34	10.1	2000.0	8.39	1410.1	1600.0	9.94
945.0	1555.0	8.19	50.1	2040.0	8.36	1370.1	1640.0	9.28
890.0	1610.0	7.25	90.1	2080.0	8.46	1330.1	1680.0	8.70
835.0	1665.0	6.97	130.1	2120.0	8.67	1290.1	1720.0	8.10
780.0	1720.0	6.45	170.1	2160.0	8.71	1250.1	1760.0	7.66
725.0	1775.0	6.43	190.1	2180.0	8.71	1210.1	1800.0	7.31
670.0	1830.0	6.45	230.1	2220.0	8.95	1170.1	1840.0	7.02
615.0	1885.0	6.47	250.1	2240.0	8.93	1130.1	1880.0	6.73
560.0	1940.0	6.45	290.1	2280.0	8.87	1090.1	1920.0	6.54
505.0	1995.0	6.24	310.1	2300.0	8.91	1050.1	1960.0	6.40
450.0	2050.0	6.05	350.1	2340.0	8.95	1010.1	2000.0	6.31
395.0	2105.0	5.86	370.1	2360.0	8.81	970.1	2040.0	6.36
340.0	2160.0	5.85	410.1	2400.0	8.89	930.1	2080.0	6.41
285.0	2215.0	6.03	430.1	2420.0	8.77	890.1	2120.0	6.58
230.0	2270.0	6.15	470.1	2460.0	8.72	850.1	2160.0	6.61
175.0	2325.0	6.39	490.1	2480.0	8.84	810.1	2200.0	6.66
120.0	2380.0	6.58	530.1	2520.0	8.82	770.1	2240.0	6.55
65.0	2435.0	6.74	550.1	2540.0	8.87	730.1	2280.0	6.36
10.0	2490.0	7.45	590.1	2580.0	8.92	690.1	2320.0	6.23
53.3	2553.3	7.16	610.1	2600.0	8.91	650.1	2360.0	6.14
118.2	2618.2	7.19	650.1	2640.0	9.03	610.1	2400.0	6.12
183.1	2683.1	7.15	670.1	2660.0	9.02	570.1	2440.0	6.15
248.0	2748.0	7.09	710.1	2700.0	9.09	530.1	2480.0	6.30
312.9	2812.9	7.17	730.1	2720.0	9.25	490.1	2520.0	6.34
377.8	2877.8	7.30	770.1	2760.0	9.25	450.1	2560.0	6.53
442.7	2942.7	7.11	790.1	2780.0	9.31	430.1	2580.0	6.52
486.0	2986.0	7.16	830.1	2820.0	9.36	390.1	2620.0	6.74
550.9	3050.9	7.24	850.1	2840.0	9.24	370.1	2640.0	6.88
594.2	3094.2	7.38	890.1	2880.0	9.33	330.1	2680.0	7.08
659.1	3159.1	7.45	910.1	2900.0	9.44	310.1	2700.0	7.17
702.4	3202.4	7.45	950.1	2940.0	9.51	270.1	2740.0	7.36
767.3	3267.3	7.46	970.1	2960.0	9.68	250.1	2760.0	7.39
810.5	3310.5	7.42	1010.1	3000.0	9.80	210.1	2800.0	7.36
875.5	3375.5	7.67	1030.1	3020.0	9.84	190.1	2820.0	7.31
918.7	3418.7	7.88	1070.1	3060.0	10.05	150.1	2860.0	7.23
983.6	3483.6	8.39	1090.1	3080.0	9.98	130.1	2880.0	7.18
1026.9	3526.9	8.77	1130.1	3120.0	10.13	90.1	2920.0	7.17
1091.8	3591.8	9.48	1150.1	3140.0	10.21	70.1	2940.0	7.28
1135.1	3635.1	9.93	1190.1	3180.0	10.45	30.1	2980.0	7.21
1200.0	3700.0	10.84	1210.1	3200.0	10.59	10.1	3000.0	7.51

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Frequency Mixer

MBA-25L+

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+1	+4	+7	+1	+4	+7
1590.0	37.72	36.48	35.91	8.90	8.55	9.08
1710.0	44.94	33.92	32.73	7.96	8.38	9.23
1830.0	35.38	32.50	30.03	7.84	8.67	9.37
1950.0	35.99	32.45	29.40	8.44	9.28	9.85
2070.0	39.46	32.53	28.82	9.42	10.09	10.41
2190.0	39.87	32.57	27.85	10.48	11.04	11.13
2310.0	40.54	33.05	27.00	11.52	12.02	12.10
2430.0	36.77	34.31	26.96	13.03	13.46	13.28
2550.0	31.96	40.90	29.07	15.33	15.64	15.27
2670.0	27.70	39.90	35.44	17.76	18.04	17.52
2790.0	24.40	30.74	41.75	20.47	20.40	19.61
2910.0	22.47	26.93	35.22	23.31	23.19	22.10
3030.0	21.05	25.09	31.99	25.98	26.45	25.71
3150.0	19.61	22.96	28.38	27.78	29.33	30.41
3270.0	19.42	22.20	26.57	27.29	29.18	32.45
3390.0	20.62	23.26	27.44	25.07	26.13	27.90
3510.0	21.65	24.89	30.85	22.30	22.91	24.17
3630.0	22.64	26.20	32.96	19.82	20.00	20.75
3750.0	23.77	27.45	33.09	17.84	18.09	18.62
3870.0	24.90	28.59	32.63	15.94	16.30	16.98
3990.0	25.49	28.96	31.45	14.42	14.83	15.65
4110.0	25.38	28.06	29.66	13.14	13.73	14.49
4230.0	24.81	26.34	27.73	12.21	12.53	13.34
4350.0	23.82	24.49	25.24	11.64	12.04	12.64
4470.0	23.70	24.02	23.64	11.74	12.39	12.78
4590.0	23.36	23.23	22.37	11.42	12.21	12.72
4710.0	22.96	22.85	21.66	10.81	11.84	12.52
4830.0	21.72	22.16	21.34	9.93	11.02	11.89
4950.0	20.98	21.54	20.85	9.45	10.27	11.21
5070.0	19.83	20.78	20.22	8.81	9.64	10.54
5190.0	19.50	20.29	19.95	8.60	9.17	10.06
5310.0	19.20	20.02	19.78	8.30	8.74	9.59
5430.0	19.06	19.98	19.90	7.94	8.34	9.10
5530.0	18.98	20.04	20.00	7.63	7.96	8.73
5650.0	18.68	20.12	20.50	7.36	7.54	8.23
5750.0	18.81	20.18	20.98	7.16	7.41	8.11
5870.0	17.85	18.87	19.46	6.73	7.26	8.18
5970.0	17.78	18.26	18.61	6.56	7.40	8.55
6090.0	17.09	17.25	17.65	6.45	7.83	9.10
6190.0	16.22	16.23	17.00	6.68	8.10	9.50

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+1	+4	+7
1560.0	1590.0	22.92	26.37	27.04
1680.0	1710.0	27.45	25.54	23.86
1800.0	1830.0	25.05	22.74	21.50
1920.0	1950.0	20.92	20.18	19.79
2040.0	2070.0	17.71	17.88	17.88
2160.0	2190.0	15.70	16.14	16.39
2280.0	2310.0	14.28	14.59	14.91
2400.0	2430.0	13.46	13.97	14.37
2520.0	2550.0	13.17	13.82	14.17
2640.0	2670.0	13.00	13.93	14.32
2760.0	2790.0	13.24	14.12	14.56
2880.0	2910.0	12.95	13.77	14.25
3000.0	3030.0	12.60	13.63	14.32
3120.0	3150.0	12.41	13.57	14.34
3240.0	3270.0	12.05	13.20	14.00
3360.0	3390.0	12.55	13.55	14.34
3480.0	3510.0	13.14	14.16	15.01
3600.0	3630.0	13.83	14.82	15.50
3720.0	3750.0	14.37	15.33	16.01
3840.0	3870.0	14.83	15.62	16.26
3960.0	3990.0	15.18	15.83	16.29
4080.0	4110.0	15.20	15.68	16.00
4200.0	4230.0	15.42	15.55	15.56
4320.0	4350.0	15.82	15.66	15.11
4440.0	4470.0	15.12	14.59	13.84
4560.0	4590.0	14.90	14.18	13.49
4680.0	4710.0	15.07	14.23	13.46
4800.0	4830.0	15.16	14.37	13.48
4920.0	4950.0	15.02	14.34	13.61
5040.0	5070.0	14.91	14.35	14.03
5160.0	5190.0	15.06	14.47	14.10
5280.0	5310.0	14.79	14.14	13.90
5400.0	5430.0	15.20	14.42	13.95
5500.0	5530.0	15.40	14.57	13.53
5620.0	5650.0	15.99	15.02	12.89
5720.0	5750.0	16.30	14.57	11.52
5840.0	5870.0	16.51	13.16	9.89
5940.0	5970.0	15.67	11.25	8.93
6060.0	6090.0	12.79	9.15	7.66
6160.0	6190.0	10.63	7.90	6.98

Frequency Mixer

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Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)		
		@LO (dBm)		
		+1	+4	+7
1560.0	1590.0	12.01	8.86	7.44
1680.0	1710.0	9.23	7.25	6.32
1800.0	1830.0	7.87	6.30	5.42
1920.0	1950.0	6.32	5.22	4.61
2040.0	2070.0	4.95	4.32	3.90
2160.0	2190.0	3.95	3.50	3.24
2280.0	2310.0	3.29	2.95	2.80
2400.0	2430.0	2.77	2.61	2.56
2520.0	2550.0	2.44	2.42	2.49
2640.0	2670.0	2.20	2.27	2.37
2760.0	2790.0	1.99	2.05	2.13
2880.0	2910.0	1.78	1.77	1.80
3000.0	3030.0	1.55	1.49	1.48
3120.0	3150.0	1.45	1.37	1.33
3240.0	3270.0	1.57	1.46	1.40
3360.0	3390.0	1.77	1.68	1.62
3480.0	3510.0	1.97	1.86	1.81
3600.0	3630.0	2.11	2.00	1.91
3720.0	3750.0	2.25	2.14	2.06
3840.0	3870.0	2.40	2.28	2.20
3960.0	3990.0	2.44	2.31	2.22
4080.0	4110.0	2.46	2.32	2.21
4200.0	4230.0	2.51	2.34	2.21
4320.0	4350.0	2.54	2.41	2.31
4440.0	4470.0	2.36	2.23	2.16
4560.0	4590.0	2.17	2.01	1.93
4680.0	4710.0	1.94	1.77	1.66
4800.0	4830.0	1.81	1.61	1.50
4920.0	4950.0	1.71	1.47	1.37
5040.0	5070.0	1.68	1.41	1.29
5160.0	5190.0	1.68	1.45	1.36
5280.0	5310.0	1.74	1.54	1.45
5400.0	5430.0	1.92	1.73	1.61
5500.0	5530.0	2.06	1.88	1.72
5620.0	5650.0	2.37	2.16	1.94
5720.0	5750.0	2.49	2.22	1.96
5840.0	5870.0	2.70	2.31	2.06
5940.0	5970.0	2.80	2.30	2.09
6060.0	6090.0	2.63	2.24	2.12
6160.0	6190.0	2.39	2.18	2.12

LO (MHz)	LO VSWR (:1)		
	@LO (dBm)		
	+1	+4	+7
1590.0	7.60	5.36	3.86
1710.0	5.34	3.76	3.11
1830.0	4.24	3.00	2.74
1950.0	3.34	2.53	2.50
2070.0	2.67	2.25	2.39
2190.0	2.28	2.05	2.33
2310.0	2.06	1.84	2.16
2430.0	1.74	1.60	2.00
2550.0	1.47	1.42	1.90
2670.0	1.35	1.28	1.82
2790.0	1.35	1.18	1.71
2910.0	1.42	1.10	1.59
3030.0	1.55	1.05	1.50
3150.0	1.71	1.05	1.43
3270.0	1.86	1.12	1.36
3390.0	1.85	1.14	1.35
3510.0	1.81	1.15	1.41
3630.0	1.73	1.17	1.51
3750.0	1.57	1.22	1.64
3870.0	1.38	1.32	1.80
3990.0	1.25	1.44	1.98
4110.0	1.12	1.56	2.17
4230.0	1.20	1.70	2.33
4350.0	1.32	1.84	2.47
4470.0	1.49	2.00	2.66
4590.0	1.72	2.16	2.79
4710.0	2.02	2.32	2.87
4830.0	2.36	2.47	2.93
4950.0	2.77	2.69	2.96
5070.0	3.27	3.00	3.18
5190.0	3.63	3.20	3.26
5310.0	3.86	3.26	3.27
5430.0	4.20	3.44	3.18
5530.0	4.35	3.45	3.08
5650.0	4.52	3.39	2.95
5750.0	4.33	3.30	2.82
5870.0	3.97	2.95	2.51
5970.0	3.81	2.82	2.30
6090.0	3.61	2.66	2.06
6190.0	3.56	2.48	1.87

IF (OUT) (MHz)	IF VSWR @LO=3000MHz (:1)		
	@LO (dBm)		
	+1	+4	+7
10.0	1.21	1.03	1.18
30.0	1.22	1.03	1.16
50.0	1.24	1.06	1.16
70.0	1.25	1.11	1.20
90.0	1.26	1.12	1.21
110.0	1.27	1.12	1.20
130.0	1.31	1.15	1.20
150.0	1.36	1.20	1.23
170.0	1.38	1.23	1.26
190.0	1.40	1.24	1.28
210.0	1.44	1.27	1.28
230.0	1.49	1.31	1.30
250.0	1.54	1.36	1.35
270.0	1.58	1.40	1.39
290.0	1.62	1.43	1.40
310.0	1.64	1.44	1.40
330.0	1.72	1.52	1.46
350.0	1.78	1.58	1.51
390.0	1.85	1.63	1.56
410.0	1.92	1.68	1.59
450.0	2.04	1.80	1.70
470.0	2.08	1.85	1.74
510.0	2.17	1.91	1.79
530.0	2.23	1.99	1.87
570.0	2.28	2.03	1.91
590.0	2.32	2.07	1.94
630.0	2.39	2.14	2.01
650.0	2.42	2.18	2.05
690.0	2.47	2.22	2.08
710.0	2.48	2.23	2.10
750.0	2.58	2.32	2.17
770.0	2.58	2.32	2.16
810.0	2.68	2.39	2.23
830.0	2.69	2.40	2.23
870.0	2.78	2.46	2.28
890.0	2.80	2.46	2.26
930.0	2.93	2.56	2.35
950.0	2.96	2.57	2.35
990.0	3.03	2.60	2.36
1010.0	3.13	2.67	2.40

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+11	1	4	26	25	22	27	43	47	---
1	-	7	+0	16	12	37	36	38	36	46	50	50
2	>90	39	49	37	46	43	44	50	54	50	55	>68
3	>90	>68	>68	62	61	58	57	65	>68	>68	67	>68
4	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
5	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
6	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
7	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
8	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
9	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
10	---	---	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2500 MHz; -15.00 dBm.
 LO IN: 2530 MHz; +4.00 dBm
 IF OUT: 30 MHz; -22.16 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+1	12	16	35	36	39	45	57	69	---
1	-	7	+0	17	13	36	38	45	39	58	58	59
2	71	28	38	26	36	34	36	46	47	42	53	62
3	>90	49	51	42	45	39	38	50	60	56	56	62
4	>90	65	57	52	63	55	64	55	62	56	68	72
5	>90	>78	70	>78	63	72	54	61	55	65	66	67
6	>90	71	>78	>78	72	70	75	63	73	65	73	71
7	>90	>78	>78	>78	>78	>78	>78	>78	71	75	69	75
8	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	78
9	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
10	---	---	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2500 MHz; -5.00 dBm.
 LO IN: 2530 MHz; +4.00 dBm
 IF OUT: 30 MHz; -12.17 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.