

Frequency Mixer

MBA-671+

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=+1dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
+4	+7	+10	+4	+7	+10	+4	+7	+10	+4	+7	+10			
2260.0	2290.0	13.77	10.39	9.38	2260.0	2290.0	5.40	10.70	10.98	2260.0	2290.0	-0.47	0.94	0.80
2400.0	2430.0	9.65	8.66	8.29	2400.0	2430.0	9.79	9.48	9.80	2400.0	2430.0	1.65	1.43	1.19
2540.0	2570.0	8.32	7.71	7.40	2540.0	2570.0	7.14	6.71	6.46	2540.0	2570.0	2.20	2.02	1.76
2680.0	2710.0	7.25	6.96	6.80	2680.0	2710.0	7.73	8.25	8.60	2680.0	2710.0	2.38	1.98	1.65
2820.0	2850.0	6.31	6.10	5.97	2820.0	2850.0	7.29	7.76	7.89	2820.0	2850.0	2.48	2.03	1.72
2960.0	2990.0	6.03	5.79	5.62	2960.0	2990.0	6.55	6.94	7.32	2960.0	2990.0	2.07	1.67	1.43
3100.0	3130.0	5.44	5.22	5.07	3100.0	3130.0	5.65	7.45	6.77	3100.0	3130.0	2.19	1.85	1.59
3240.0	3270.0	5.26	4.97	4.78	3240.0	3270.0	5.36	6.26	7.08	3240.0	3270.0	2.03	1.71	1.53
3380.0	3410.0	5.01	4.76	4.60	3380.0	3410.0	5.13	6.16	7.14	3380.0	3410.0	2.05	1.73	1.52
3520.0	3550.0	4.98	4.68	4.49	3520.0	3550.0	5.20	6.44	7.49	3520.0	3550.0	1.97	1.68	1.46
3660.0	3690.0	5.04	4.72	4.54	3660.0	3690.0	5.32	6.77	7.90	3660.0	3690.0	1.95	1.64	1.45
3800.0	3830.0	5.16	4.84	4.69	3800.0	3830.0	5.47	7.24	8.36	3800.0	3830.0	1.58	1.29	1.10
3940.0	3970.0	5.23	4.84	4.65	3940.0	3970.0	5.19	7.28	8.82	3940.0	3970.0	1.38	1.11	0.95
4080.0	4110.0	5.32	4.98	4.85	4080.0	4110.0	6.20	8.30	10.27	4080.0	4110.0	1.23	0.94	0.79
4200.0	4230.0	5.51	5.17	5.05	4200.0	4230.0	7.14	9.44	11.28	4200.0	4230.0	1.15	0.84	0.71
4340.0	4370.0	5.62	5.36	5.30	4340.0	4370.0	8.89	9.59	11.20	4340.0	4370.0	1.01	0.69	0.59
4460.0	4490.0	5.79	5.60	5.56	4460.0	4490.0	9.82	11.48	12.13	4460.0	4490.0	0.95	0.71	0.61
4600.0	4630.0	6.03	5.90	5.92	4600.0	4630.0	10.83	12.61	13.57	4600.0	4630.0	0.82	0.60	0.54
4720.0	4750.0	6.09	6.05	6.10	4720.0	4750.0	12.92	13.66	15.03	4720.0	4750.0	0.86	0.58	0.53
4860.0	4890.0	5.96	5.89	5.95	4860.0	4890.0	12.79	12.23	13.81	4860.0	4890.0	0.86	0.54	0.49
4980.0	5010.0	6.11	5.89	5.85	4980.0	5010.0	12.44	13.19	14.12	4980.0	5010.0	0.72	0.51	0.45
5120.0	5150.0	6.35	6.07	5.97	5120.0	5150.0	12.89	14.67	14.74	5120.0	5150.0	0.56	0.40	0.34
5240.0	5270.0	6.34	6.09	6.00	5240.0	5270.0	14.12	13.72	15.24	5240.0	5270.0	0.51	0.35	0.29
5380.0	5410.0	6.42	6.17	6.08	5380.0	5410.0	12.78	14.05	13.41	5380.0	5410.0	0.55	0.37	0.27
5500.0	5530.0	6.72	6.42	6.23	5500.0	5530.0	12.89	15.56	13.67	5500.0	5530.0	0.54	0.39	0.30
5640.0	5670.0	6.75	6.49	6.30	5640.0	5670.0	12.11	15.29	14.76	5640.0	5670.0	0.57	0.43	0.34
5760.0	5790.0	6.83	6.54	6.34	5760.0	5790.0	13.73	16.13	14.07	5760.0	5790.0	0.59	0.45	0.38
5900.0	5930.0	6.95	6.68	6.48	5900.0	5930.0	13.73	16.46	15.09	5900.0	5930.0	0.53	0.40	0.34
6020.0	6050.0	6.80	6.52	6.33	6020.0	6050.0	13.07	15.07	15.68	6020.0	6050.0	0.60	0.46	0.37
6160.0	6190.0	6.70	6.42	6.22	6160.0	6190.0	13.29	14.67	15.94	6160.0	6190.0	0.64	0.50	0.40
6280.0	6310.0	6.87	6.52	6.30	6280.0	6310.0	13.80	15.41	16.76	6280.0	6310.0	0.62	0.46	0.38
6420.0	6450.0	7.08	6.69	6.46	6420.0	6450.0	13.05	15.52	16.24	6420.0	6450.0	0.68	0.50	0.43
6540.0	6570.0	6.96	6.53	6.30	6540.0	6570.0	11.75	14.51	15.65	6540.0	6570.0	0.74	0.54	0.46
6680.0	6710.0	6.91	6.44	6.21	6680.0	6710.0	11.39	15.08	16.35	6680.0	6710.0	0.73	0.51	0.43
6800.0	6830.0	7.23	6.69	6.44	6800.0	6830.0	11.03	14.85	15.36	6800.0	6830.0	0.69	0.50	0.42
6940.0	6970.0	7.41	6.59	6.27	6940.0	6970.0	7.72	11.59	12.98	6940.0	6970.0	0.93	0.67	0.55
7060.0	7090.0	7.29	6.43	6.08	7060.0	7090.0	6.41	9.59	11.00	7060.0	7090.0	1.07	0.86	0.73
7200.0	7230.0	7.78	6.69	6.25	7200.0	7230.0	5.31	8.02	9.72	7200.0	7230.0	1.01	0.83	0.73
7320.0	7350.0	9.74	6.99	6.26	7320.0	7350.0	2.73	6.17	9.78	7320.0	7350.0	0.74	1.28	1.03
7460.0	7490.0	16.29	10.66	7.61	7460.0	7490.0	-3.42	0.29	3.83	7460.0	7490.0	-1.25	1.56	2.41

REV. X3

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Frequency Mixer

MBA-671+

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=4550MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2389.89MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=6710.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+7			+7			+7
2350.0	2200.0	10.59	10.1	2400.0	9.21	2730.1	3980.0	10.41
2237.5	2312.5	8.87	70.1	2460.0	8.97	2670.1	4040.0	9.68
2125.0	2425.0	8.52	130.1	2520.0	8.99	2590.1	4120.0	8.82
2012.5	2537.5	9.17	190.1	2580.0	9.25	2530.1	4180.0	8.52
1900.0	2650.0	8.78	250.1	2640.0	9.10	2450.1	4260.0	7.97
1787.5	2762.5	7.91	310.1	2700.0	9.03	2390.1	4320.0	7.61
1675.0	2875.0	7.45	370.1	2760.0	8.98	2310.1	4400.0	7.67
1562.5	2987.5	7.27	430.1	2820.0	8.70	2250.1	4460.0	7.91
1450.0	3100.0	7.02	490.1	2880.0	8.76	2170.1	4540.0	8.09
1337.5	3212.5	6.90	550.1	2940.0	8.81	2110.1	4600.0	8.50
1202.5	3347.5	6.99	610.1	3000.0	8.80	2030.1	4680.0	8.99
1090.0	3460.0	7.07	670.1	3060.0	8.93	1970.1	4740.0	9.04
955.0	3595.0	7.14	730.1	3120.0	8.94	1890.1	4820.0	9.30
842.5	3707.5	7.07	790.1	3180.0	9.19	1830.1	4880.0	9.38
707.5	3842.5	6.93	850.1	3240.0	9.28	1750.1	4960.0	9.54
595.0	3955.0	6.78	910.1	3300.0	9.29	1690.1	5020.0	9.19
460.0	4090.0	6.38	970.1	3360.0	9.52	1610.1	5100.0	9.27
347.5	4202.5	6.21	1030.1	3420.0	9.47	1550.1	5160.0	9.06
212.5	4337.5	5.89	1090.1	3480.0	9.64	1470.1	5240.0	8.65
100.0	4450.0	5.77	1150.1	3540.0	9.73	1410.1	5300.0	8.49
27.5	4577.5	5.74	1210.1	3600.0	9.75	1330.1	5380.0	8.39
115.1	4665.1	5.84	1270.1	3660.0	9.91	1270.1	5440.0	8.11
220.3	4770.3	6.09	1350.1	3740.0	9.91	1190.1	5520.0	7.70
307.9	4857.9	6.22	1410.1	3800.0	9.80	1130.1	5580.0	7.48
413.0	4963.0	6.02	1490.1	3880.0	9.75	1050.1	5660.0	7.13
500.7	5050.7	5.85	1550.1	3940.0	9.76	990.1	5720.0	6.90
605.8	5155.8	5.65	1630.1	4020.0	9.60	910.1	5800.0	6.79
693.4	5243.4	5.66	1690.1	4080.0	9.45	850.1	5860.0	6.76
798.6	5348.6	5.73	1770.1	4160.0	9.38	770.1	5940.0	6.80
886.2	5436.2	5.98	1830.1	4220.0	9.38	710.1	6000.0	6.81
991.3	5541.3	6.18	1910.1	4300.0	9.18	630.1	6080.0	6.80
1079.0	5629.0	6.35	1970.1	4360.0	9.11	570.1	6140.0	6.75
1184.1	5734.1	6.55	2050.1	4440.0	9.12	490.1	6220.0	6.70
1271.7	5821.7	6.96	2110.1	4500.0	9.05	430.1	6280.0	6.60
1376.9	5926.9	7.38	2190.1	4580.0	8.90	350.1	6360.0	6.59
1464.5	6014.5	7.88	2250.1	4640.0	9.08	290.1	6420.0	6.54
1569.6	6119.6	8.54	2330.1	4720.0	9.28	210.1	6500.0	6.44
1657.2	6207.2	9.04	2390.1	4780.0	9.39	150.1	6560.0	6.49
1762.4	6312.4	9.59	2470.1	4860.0	9.93	70.1	6640.0	6.53
1850.0	6400.0	10.08	2530.1	4920.0	10.61	10.1	6700.0	6.69

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+4	+7	+10	+4	+7	+10
2290.0	32.99	33.69	35.32	19.98	20.58	21.51
2430.0	32.54	34.21	35.99	21.00	22.10	23.17
2570.0	31.56	32.88	34.51	22.35	23.34	24.11
2710.0	31.87	33.13	34.32	24.95	25.36	25.05
2850.0	30.82	32.07	33.26	28.20	26.82	25.79
2990.0	29.57	30.84	32.03	30.26	27.65	26.33
3130.0	28.90	30.33	31.38	29.69	27.73	26.58
3270.0	28.05	29.51	30.72	29.12	27.83	27.20
3410.0	27.77	29.40	30.72	28.26	27.93	27.81
3550.0	27.65	29.06	30.18	27.96	28.42	28.77
3690.0	27.12	29.00	30.27	27.86	28.98	29.88
3830.0	27.38	28.96	30.06	27.74	29.21	30.64
3970.0	27.52	29.22	30.29	27.19	28.91	30.61
4110.0	28.04	29.73	30.52	27.37	28.96	30.28
4230.0	28.31	29.16	29.33	27.48	28.73	29.49
4370.0	29.20	29.92	29.66	27.86	28.53	28.31
4490.0	29.38	29.70	29.26	27.94	27.87	27.06
4630.0	30.55	29.87	29.13	28.36	27.44	26.42
4750.0	31.23	30.55	29.68	28.48	27.01	25.92
4890.0	30.04	29.97	29.77	28.23	26.67	25.70
5010.0	29.94	29.63	29.54	27.90	26.45	25.61
5150.0	30.59	30.05	29.88	27.79	26.43	25.78
5270.0	31.42	30.87	30.67	27.79	26.56	25.99
5410.0	31.74	31.42	31.25	27.67	26.67	26.09
5530.0	31.40	31.23	31.31	27.53	26.76	26.40
5670.0	31.36	31.20	31.20	27.66	26.94	26.47
5790.0	31.65	31.53	31.67	27.55	26.94	26.69
5930.0	32.79	32.78	32.79	27.46	26.89	26.51
6050.0	33.88	34.07	34.11	27.41	26.85	26.43
6190.0	35.36	35.73	35.74	27.06	26.76	26.29
6310.0	36.03	36.55	36.74	27.01	26.50	26.38
6450.0	37.53	38.07	38.44	27.04	26.48	26.20
6570.0	36.98	37.88	38.10	27.12	26.57	26.30
6710.0	36.46	37.52	37.82	27.56	26.86	26.49
6830.0	35.01	36.36	37.13	28.25	27.53	27.01
6970.0	31.31	32.00	32.96	28.73	28.08	27.39
7090.0	28.42	28.71	29.25	27.63	27.49	26.62
7230.0	25.88	25.66	25.54	25.33	25.49	24.99
7350.0	23.63	23.62	23.60	23.86	23.97	23.94
7490.0	20.69	19.96	20.26	24.06	23.95	24.11

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+4	+7	+10
2260.0	2290.0	29.12	25.13	23.53
2400.0	2430.0	24.33	22.36	21.40
2540.0	2570.0	23.01	21.57	20.70
2680.0	2710.0	21.29	20.30	19.84
2820.0	2850.0	21.46	21.05	20.89
2960.0	2990.0	22.22	22.20	22.31
3100.0	3130.0	23.58	23.73	23.95
3240.0	3270.0	24.95	25.30	25.64
3380.0	3410.0	26.34	26.73	27.13
3520.0	3550.0	27.96	28.32	28.57
3660.0	3690.0	28.71	29.43	29.56
3800.0	3830.0	28.64	29.25	29.48
3940.0	3970.0	30.13	31.08	31.53
4080.0	4110.0	31.86	32.98	33.44
4200.0	4230.0	32.41	33.60	33.79
4340.0	4370.0	33.81	35.02	35.07
4460.0	4490.0	35.19	36.70	36.68
4600.0	4630.0	36.21	37.87	37.88
4720.0	4750.0	36.90	39.13	39.53
4860.0	4890.0	36.31	38.24	39.51
4980.0	5010.0	36.22	37.50	38.46
5120.0	5150.0	37.21	38.00	38.81
5240.0	5270.0	38.33	39.35	39.78
5380.0	5410.0	39.34	40.24	40.92
5500.0	5530.0	39.13	39.64	40.20
5640.0	5670.0	39.39	39.65	39.96
5760.0	5790.0	40.46	40.67	40.99
5900.0	5930.0	42.58	42.90	43.18
6020.0	6050.0	44.39	44.20	44.47
6160.0	6190.0	46.16	45.72	45.29
6280.0	6310.0	46.59	46.18	45.78
6420.0	6450.0	47.43	46.96	46.02
6540.0	6570.0	47.51	46.28	45.49
6680.0	6710.0	45.82	44.30	43.43
6800.0	6830.0	42.54	41.43	40.46
6940.0	6970.0	39.80	38.37	37.31
7060.0	7090.0	37.82	36.28	35.13
7200.0	7230.0	36.63	35.27	34.20
7320.0	7350.0	36.44	35.99	35.28
7460.0	7490.0	35.09	35.77	35.27

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=6700MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+4	+7	+10		+4	+7	+10		+4	+7	+10
2260.0	2290.0	14.74	11.31	10.07	2290.0	22.58	12.80	11.46	10.0	1.16	1.43	1.63
2400.0	2430.0	8.60	7.60	7.17	2430.0	10.13	8.90	9.85	50.0	1.16	1.42	1.62
2540.0	2570.0	6.35	5.74	5.31	2570.0	7.38	7.63	8.77	90.0	1.16	1.42	1.61
2680.0	2710.0	4.34	4.03	3.86	2710.0	5.66	6.63	8.12	130.0	1.16	1.41	1.61
2820.0	2850.0	3.35	3.16	3.03	2850.0	4.36	5.56	7.11	170.0	1.16	1.40	1.59
2960.0	2990.0	2.77	2.63	2.51	2990.0	3.77	5.03	6.58	210.0	1.18	1.42	1.61
3100.0	3130.0	2.20	2.12	2.04	3130.0	3.48	4.69	6.15	250.0	1.17	1.39	1.57
3240.0	3270.0	1.78	1.70	1.65	3270.0	3.25	4.29	5.54	290.0	1.19	1.40	1.58
3380.0	3410.0	1.41	1.38	1.38	3410.0	3.29	4.17	5.33	330.0	1.19	1.39	1.56
3520.0	3550.0	1.12	1.12	1.17	3550.0	3.22	3.81	4.67	370.0	1.21	1.37	1.53
3660.0	3690.0	1.12	1.24	1.32	3690.0	3.21	3.53	4.22	410.0	1.23	1.38	1.54
3800.0	3830.0	1.30	1.39	1.46	3830.0	3.13	3.13	3.58	450.0	1.23	1.33	1.47
3940.0	3970.0	1.55	1.64	1.71	3970.0	3.31	2.87	3.04	490.0	1.29	1.38	1.51
4080.0	4110.0	1.88	1.96	2.03	4110.0	3.21	2.55	2.50	530.0	1.28	1.34	1.46
4200.0	4230.0	2.15	2.22	2.28	4230.0	3.18	2.24	2.01	570.0	1.37	1.37	1.46
4340.0	4370.0	2.44	2.52	2.58	4370.0	2.97	1.91	1.54	610.0	1.38	1.38	1.46
4460.0	4490.0	2.70	2.77	2.82	4490.0	2.67	1.62	1.19	650.0	1.45	1.38	1.42
4600.0	4630.0	2.91	2.99	3.06	4630.0	2.51	1.50	1.17	690.0	1.52	1.45	1.48
4720.0	4750.0	2.95	3.03	3.13	4750.0	2.26	1.51	1.48	730.0	1.54	1.42	1.42
4860.0	4890.0	2.95	2.87	2.92	4890.0	2.02	1.67	1.91	770.0	1.67	1.54	1.51
4980.0	5010.0	3.27	3.01	2.93	5010.0	1.94	1.91	2.34	810.0	1.68	1.53	1.49
5120.0	5150.0	3.58	3.26	3.08	5150.0	2.01	2.26	2.84	850.0	1.82	1.64	1.57
5240.0	5270.0	3.54	3.21	3.03	5270.0	2.01	2.48	3.21	890.0	1.89	1.70	1.63
5380.0	5410.0	3.73	3.39	3.11	5410.0	2.20	2.87	3.73	930.0	1.97	1.75	1.64
5500.0	5530.0	3.85	3.54	3.22	5530.0	2.41	3.21	4.18	970.0	2.13	1.90	1.80
5640.0	5670.0	4.08	3.77	3.45	5670.0	2.61	3.51	4.54	990.0	2.13	1.89	1.78
5760.0	5790.0	4.51	4.20	3.86	5790.0	2.82	3.78	4.87	1030.0	2.28	2.01	1.87
5900.0	5930.0	4.42	4.14	3.82	5930.0	3.15	4.13	5.28	1050.0	2.39	2.11	1.97
6020.0	6050.0	4.24	3.96	3.66	6050.0	3.37	4.33	5.46	1090.0	2.39	2.10	1.95
6160.0	6190.0	4.04	3.77	3.49	6190.0	3.77	4.68	5.81	1110.0	2.49	2.17	2.00
6280.0	6310.0	4.10	3.78	3.52	6310.0	4.07	4.86	5.95	1150.0	2.70	2.37	2.18
6420.0	6450.0	4.31	3.91	3.67	6450.0	4.38	4.95	5.87	1170.0	2.73	2.39	2.20
6540.0	6570.0	4.10	3.67	3.40	6570.0	4.69	5.02	5.81	1210.0	2.86	2.47	2.26
6680.0	6710.0	3.79	3.31	3.04	6710.0	5.03	5.13	5.81	1230.0	3.03	2.63	2.40
6800.0	6830.0	3.69	3.21	2.95	6830.0	5.49	5.34	5.89	1270.0	3.14	2.73	2.50
6940.0	6970.0	3.80	3.16	2.84	6970.0	6.32	5.63	5.87	1290.0	3.16	2.73	2.50
7060.0	7090.0	3.53	2.90	2.55	7090.0	6.58	5.75	5.87	1330.0	3.49	3.04	2.77
7200.0	7230.0	3.29	2.59	2.20	7230.0	6.94	6.01	5.91	1350.0	3.62	3.16	2.89
7320.0	7350.0	3.87	2.63	2.15	7350.0	7.97	6.76	6.28	1390.0	3.72	3.21	2.93
7460.0	7490.0	5.27	3.37	2.14	7490.0	6.83	6.53	6.26	1410.0	3.90	3.39	3.09

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	1	45	7	45	17	---	---	---	---	---
1	-	31	+0	42	51	38	59	57	---	---	---	---
2	>90	>70	59	53	61	>70	52	>70	52	---	---	---
3	>90	>70	>70	>70	64	>70	>70	>70	>70	>70	---	---
4	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	---
5	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
6	---	---	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
7	---	---	---	>70	>70	>70	>70	>70	>70	>70	>70	>70
8	---	---	---	---	>70	>70	>70	>70	>70	>70	>70	>70
9	---	---	---	---	---	>70	>70	>70	>70	>70	>70	>70
10	---	---	---	---	---	---	>70	>70	>70	>70	>70	>70
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 4550 MHz; -14.00 dBm.
LO IN: 4580 MHz; +7.00 dBm
IF OUT: 30 MHz; -20.04 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	11	56	18	56	30	---	---	---	---	---
1	-	31	+0	43	52	41	60	57	---	---	---	---
2	73	71	49	43	53	73	44	73	47	---	---	---
3	>90	52	79	71	44	68	78	65	>80	>80	---	---
4	>90	>80	73	>80	74	67	76	>80	63	>80	63	---
5	>90	>80	>80	>80	>80	>80	74	>80	>80	>80	>80	>80
6	---	---	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
7	---	---	---	>80	>80	>80	>80	>80	>80	>80	>80	>80
8	---	---	---	---	>80	>80	>80	>80	>80	>80	>80	>80
9	---	---	---	---	---	>80	>80	>80	>80	>80	>80	>80
10	---	---	---	---	---	---	>80	>80	>80	>80	>80	>80
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 4550 MHz; -4.00 dBm.
LO IN: 4580 MHz; +7.00 dBm
IF OUT: 30 MHz; -10.21 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.