

Frequency Mixer

MBA-EE7756/2

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
980.0	1010.0	18.27	12.20	9.75	980.0	1010.0	-1.20	7.04	8.55	980.0	1010.0	-3.90	-0.53	0.34
1060.0	1090.0	14.06	9.71	8.24	1060.0	1090.0	1.89	9.66	8.97	1060.0	1090.0	-1.81	0.41	0.65
1140.0	1170.0	11.07	8.20	7.31	1140.0	1170.0	6.00	8.55	8.83	1140.0	1170.0	-0.21	0.87	0.86
1220.0	1250.0	9.31	7.43	6.80	1220.0	1250.0	10.52	7.85	8.60	1220.0	1250.0	0.64	1.01	0.93
1300.0	1330.0	8.27	7.00	6.52	1300.0	1330.0	9.81	8.46	9.89	1300.0	1330.0	0.94	1.01	0.86
1380.0	1410.0	7.79	6.71	6.24	1380.0	1410.0	7.80	8.38	8.32	1380.0	1410.0	0.94	0.88	0.67
1460.0	1490.0	7.31	6.39	6.03	1460.0	1490.0	7.61	7.71	7.62	1460.0	1490.0	1.01	0.82	0.59
1540.0	1570.0	7.03	6.21	5.89	1540.0	1570.0	7.50	8.67	9.60	1540.0	1570.0	1.04	0.75	0.52
1620.0	1650.0	6.89	6.09	5.77	1620.0	1650.0	6.34	8.92	10.68	1620.0	1650.0	0.98	0.64	0.42
1700.0	1730.0	6.88	6.05	5.70	1700.0	1730.0	4.33	8.40	13.03	1700.0	1730.0	0.95	0.63	0.42
1780.0	1810.0	6.78	5.97	5.67	1780.0	1810.0	4.03	9.00	13.48	1780.0	1810.0	0.99	0.70	0.48
1860.0	1890.0	6.83	6.04	5.73	1860.0	1890.0	4.49	10.42	14.73	1860.0	1890.0	0.91	0.69	0.48
1940.0	1970.0	6.95	6.16	5.87	1940.0	1970.0	6.22	13.40	13.73	1940.0	1970.0	0.90	0.59	0.39
2020.0	2050.0	6.92	6.22	5.96	2020.0	2050.0	10.74	16.49	15.72	2020.0	2050.0	0.90	0.46	0.31
2100.0	2130.0	6.81	6.27	6.08	2100.0	2130.0	12.31	15.38	15.78	2100.0	2130.0	0.97	0.43	0.27
2200.0	2230.0	6.86	6.29	6.13	2200.0	2230.0	11.37	11.69	15.91	2200.0	2230.0	1.16	0.61	0.37
2280.0	2310.0	6.78	6.28	6.16	2280.0	2310.0	8.64	11.70	17.82	2280.0	2310.0	1.36	0.77	0.53
2380.0	2410.0	7.06	6.54	6.42	2380.0	2410.0	6.92	9.66	13.39	2380.0	2410.0	1.50	0.99	0.75
2460.0	2490.0	7.27	6.79	6.68	2460.0	2490.0	6.09	11.20	18.06	2460.0	2490.0	1.69	1.18	0.87
2560.0	2590.0	7.62	6.98	6.73	2560.0	2590.0	5.92	13.28	14.94	2560.0	2590.0	1.70	1.33	1.01
2640.0	2670.0	7.94	7.07	6.69	2640.0	2670.0	9.15	15.16	15.14	2640.0	2670.0	1.65	1.40	1.09
2740.0	2770.0	7.79	7.05	6.72	2740.0	2770.0	9.37	10.72	11.83	2740.0	2770.0	1.48	1.23	0.98
2820.0	2850.0	7.43	6.83	6.59	2820.0	2850.0	9.66	11.00	11.50	2820.0	2850.0	1.60	1.18	0.88
2920.0	2950.0	7.21	6.64	6.44	2920.0	2950.0	9.87	12.05	12.88	2920.0	2950.0	1.75	1.17	0.80
3000.0	3030.0	7.28	6.60	6.41	3000.0	3030.0	10.21	12.68	13.84	3000.0	3030.0	1.75	1.09	0.73
3100.0	3130.0	7.32	6.54	6.29	3100.0	3130.0	9.16	10.30	15.33	3100.0	3130.0	1.65	1.11	0.74
3180.0	3210.0	7.52	6.65	6.31	3180.0	3210.0	10.57	12.87	12.79	3180.0	3210.0	1.48	1.10	0.78
3280.0	3310.0	7.51	6.71	6.37	3280.0	3310.0	9.44	12.20	13.28	3280.0	3310.0	1.59	1.19	0.99
3360.0	3390.0	7.99	6.94	6.50	3360.0	3390.0	9.63	11.39	12.73	3360.0	3390.0	1.45	1.16	0.97
3460.0	3490.0	8.24	7.04	6.63	3460.0	3490.0	11.59	11.04	12.42	3460.0	3490.0	1.19	1.05	0.88
3540.0	3570.0	8.24	7.01	6.52	3540.0	3570.0	11.88	11.73	15.36	3540.0	3570.0	1.20	1.05	0.85
3640.0	3670.0	8.08	6.90	6.38	3640.0	3670.0	12.50	15.70	16.24	3640.0	3670.0	1.32	0.92	0.77
3720.0	3750.0	7.88	6.79	6.36	3720.0	3750.0	11.97	17.05	15.49	3720.0	3750.0	1.53	0.99	0.82
3820.0	3850.0	7.94	6.80	6.36	3820.0	3850.0	12.17	13.09	12.74	3820.0	3850.0	1.76	1.19	0.94
3900.0	3930.0	7.85	6.69	6.23	3900.0	3930.0	11.05	11.08	11.07	3900.0	3930.0	1.83	1.33	1.11
4000.0	4030.0	7.87	6.65	6.11	4000.0	4030.0	8.74	8.94	9.25	4000.0	4030.0	1.92	1.54	1.33
4080.0	4110.0	7.67	6.51	5.92	4080.0	4110.0	5.70	7.00	8.18	4080.0	4110.0	2.20	1.92	1.72
4180.0	4210.0	7.20	6.24	5.71	4180.0	4210.0	4.69	6.42	7.96	4180.0	4210.0	2.51	2.19	2.01
4260.0	4290.0	6.95	6.17	5.70	4260.0	4290.0	4.62	5.81	7.20	4260.0	4290.0	2.57	2.24	2.05
4360.0	4390.0	7.09	6.31	5.91	4360.0	4390.0	4.34	5.01	5.43	4360.0	4390.0	2.49	2.19	2.02

Frequency Mixer

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1800MHz (dB)
		@LO (dBm) +4
750.0	1050.0	10.52
714.8	1085.2	9.49
679.5	1120.5	8.80
644.3	1155.7	8.11
609.0	1191.0	7.54
573.8	1226.2	7.15
538.6	1261.4	6.90
503.3	1296.7	6.60
468.1	1331.9	6.58
432.9	1367.1	6.45
397.6	1402.4	6.35
362.4	1437.6	6.22
327.1	1472.9	5.99
291.9	1508.1	5.88
256.7	1543.3	5.77
221.4	1578.6	5.64
186.2	1613.8	5.61
151.0	1649.0	5.67
115.7	1684.3	5.69
80.5	1719.5	5.74
45.2	1754.8	5.78
10.0	1790.0	6.23
32.3	1832.3	5.96
77.0	1877.0	6.06
121.6	1921.6	6.19
188.6	1988.6	6.35
233.3	2033.3	6.43
300.2	2100.2	6.52
344.9	2144.9	6.56
411.9	2211.9	6.64
456.5	2256.5	6.64
523.5	2323.5	6.78
568.1	2368.1	6.96
635.1	2435.1	7.19
679.8	2479.8	7.42
746.7	2546.7	7.86
791.4	2591.4	8.23
858.4	2658.4	8.89
903.0	2703.0	9.53
970.0	2770.0	10.53

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1189.9MHz (dB)
		@LO (dBm) +4
10.1	1200.0	8.13
30.1	1220.0	7.71
50.1	1240.0	7.65
70.1	1260.0	7.72
90.1	1280.0	7.62
110.1	1300.0	7.59
130.1	1320.0	7.62
150.1	1340.0	7.65
190.1	1380.0	7.68
210.1	1400.0	7.70
250.1	1440.0	7.78
270.1	1460.0	7.78
310.1	1500.0	7.79
330.1	1520.0	7.90
370.1	1560.0	8.00
390.1	1580.0	8.04
430.1	1620.0	8.20
450.1	1640.0	8.28
490.1	1680.0	8.38
510.1	1700.0	8.43
550.1	1740.0	8.64
570.1	1760.0	8.64
610.1	1800.0	8.74
630.1	1820.0	8.96
670.1	1860.0	9.07
690.1	1880.0	9.10
730.1	1920.0	9.11
750.1	1940.0	9.00
790.1	1980.0	8.97
810.1	2000.0	8.90
850.1	2040.0	8.75
870.1	2060.0	8.90
910.1	2100.0	8.76
930.1	2120.0	8.82
970.1	2160.0	9.19
990.1	2180.0	9.23
1030.1	2220.0	9.57
1050.1	2240.0	10.06
1090.1	2280.0	10.88
1110.1	2300.0	11.33

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2410.1MHz (dB)
		@LO (dBm) +4
1110.1	1300.0	10.89
1090.1	1320.0	10.64
1070.1	1340.0	10.27
1050.1	1360.0	9.83
1030.1	1380.0	9.38
1010.1	1400.0	9.03
990.1	1420.0	8.71
970.1	1440.0	8.45
930.1	1480.0	7.67
910.1	1500.0	7.37
870.1	1540.0	6.98
850.1	1560.0	6.74
810.1	1600.0	6.58
790.1	1620.0	6.64
750.1	1660.0	6.74
730.1	1680.0	6.81
690.1	1720.0	6.98
670.1	1740.0	7.05
630.1	1780.0	7.00
610.1	1800.0	6.92
570.1	1840.0	6.86
550.1	1860.0	6.78
510.1	1900.0	6.72
490.1	1920.0	6.72
450.1	1960.0	6.71
430.1	1980.0	6.71
390.1	2020.0	6.60
370.1	2040.0	6.61
330.1	2080.0	6.54
310.1	2100.0	6.47
270.1	2140.0	6.47
250.1	2160.0	6.46
210.1	2200.0	6.49
190.1	2220.0	6.51
150.1	2260.0	6.60
130.1	2280.0	6.63
90.1	2320.0	6.65
70.1	2340.0	6.67
30.1	2380.0	6.69
10.1	2400.0	6.97

REV. X3

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+1	+4	+7	+1	+4	+7
1010.0	32.63	31.61	32.45	13.52	13.84	14.46
1090.0	30.54	30.39	32.65	13.58	13.89	14.52
1170.0	28.77	29.81	32.69	13.87	14.22	14.56
1250.0	27.95	29.84	33.18	14.59	14.92	14.94
1330.0	27.73	29.97	33.06	15.61	15.67	15.40
1410.0	27.64	29.83	32.84	17.09	16.82	16.26
1490.0	27.14	29.50	33.07	18.94	18.16	17.33
1570.0	26.92	29.69	33.82	21.21	19.73	18.66
1650.0	27.12	30.43	34.12	23.63	21.43	19.98
1730.0	28.67	32.09	33.39	26.31	23.49	21.82
1810.0	31.56	34.36	31.80	27.81	25.66	24.22
1890.0	35.58	33.45	28.81	26.56	27.17	26.52
1970.0	38.97	30.96	27.25	24.30	26.16	27.08
2050.0	38.92	29.79	26.27	22.18	23.92	25.18
2130.0	36.20	29.33	25.78	20.57	21.76	22.78
2230.0	32.02	27.35	24.40	19.57	20.29	20.81
2310.0	28.87	25.69	23.50	19.07	19.32	19.62
2410.0	26.18	24.85	23.26	18.17	18.23	18.32
2490.0	24.48	23.99	23.17	17.39	17.24	17.48
2590.0	23.22	24.16	24.15	16.28	16.04	16.35
2670.0	22.61	24.45	25.28	15.70	15.12	15.36
2770.0	21.93	23.00	23.85	14.91	14.29	14.54
2850.0	22.15	22.64	22.65	14.39	13.79	14.07
2950.0	22.70	22.70	22.01	13.60	13.11	13.46
3030.0	23.35	23.24	22.11	13.03	12.59	13.09
3130.0	24.09	24.81	23.51	12.52	12.16	12.67
3210.0	24.14	25.40	24.60	12.35	12.07	12.47
3310.0	23.55	24.40	24.12	12.19	12.06	12.41
3390.0	22.47	23.19	22.99	12.19	12.19	12.61
3490.0	21.80	21.98	21.72	12.15	12.08	12.75
3570.0	21.51	21.16	20.72	12.00	11.99	12.62
3670.0	21.04	19.90	19.45	12.05	11.71	12.33
3750.0	20.69	19.44	18.86	12.00	11.63	12.15
3850.0	20.63	19.17	18.49	12.16	11.65	12.10
3930.0	20.42	19.16	18.46	12.19	11.76	12.08
4030.0	19.83	18.95	18.46	12.30	12.00	12.26
4110.0	19.41	18.83	18.63	12.42	12.24	12.56
4210.0	19.09	19.04	19.25	12.54	12.56	13.11
4290.0	18.88	19.39	20.00	12.56	12.79	13.44
4390.0	19.07	19.98	21.06	12.80	13.03	13.66

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+1	+4	+7
980.0	1010.0	28.07	23.44	19.86
1060.0	1090.0	25.84	23.29	21.30
1140.0	1170.0	25.18	25.09	24.19
1220.0	1250.0	25.49	25.69	25.02
1300.0	1330.0	24.76	24.04	23.46
1380.0	1410.0	23.25	22.43	22.08
1460.0	1490.0	21.60	21.26	21.09
1540.0	1570.0	20.03	20.10	20.03
1620.0	1650.0	18.64	19.00	19.07
1700.0	1730.0	17.60	18.03	18.22
1780.0	1810.0	16.92	17.33	17.56
1860.0	1890.0	16.29	16.71	16.96
1940.0	1970.0	15.41	15.81	15.97
2020.0	2050.0	14.56	14.75	14.86
2100.0	2130.0	14.20	14.17	14.12
2200.0	2230.0	13.72	13.65	13.63
2280.0	2310.0	13.42	13.47	13.53
2380.0	2410.0	12.84	12.87	13.15
2460.0	2490.0	12.55	12.56	12.75
2560.0	2590.0	12.82	13.01	13.24
2640.0	2670.0	13.47	13.88	14.14
2740.0	2770.0	15.01	15.22	15.31
2820.0	2850.0	16.04	16.13	16.16
2920.0	2950.0	17.22	17.25	17.19
3000.0	3030.0	18.19	18.33	18.24
3100.0	3130.0	19.10	19.62	19.53
3180.0	3210.0	19.56	20.52	20.71
3280.0	3310.0	19.74	20.50	21.17
3360.0	3390.0	19.42	20.00	19.86
3460.0	3490.0	18.91	19.02	18.79
3540.0	3570.0	18.88	18.65	18.46
3640.0	3670.0	18.53	17.78	17.63
3720.0	3750.0	18.03	17.31	17.11
3820.0	3850.0	17.80	17.03	16.95
3900.0	3930.0	17.49	16.95	17.04
4000.0	4030.0	17.34	16.94	17.36
4080.0	4110.0	17.35	16.93	17.42
4180.0	4210.0	17.67	17.39	18.11
4260.0	4290.0	17.50	17.40	17.80
4360.0	4390.0	17.67	17.50	17.38

Frequency Mixer

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Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=2400MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+1	+4	+7		+1	+4	+7		+1	+4	+7
980.0	1010.0	11.61	7.90	6.26	1010.0	14.38	10.69	6.81	10.0	1.08	1.15	1.30
1060.0	1090.0	8.51	5.81	4.79	1090.0	11.85	7.44	4.93	30.0	1.10	1.14	1.30
1140.0	1170.0	6.39	4.55	3.82	1170.0	8.99	5.36	4.00	50.0	1.17	1.16	1.29
1220.0	1250.0	5.12	3.89	3.29	1250.0	6.56	4.09	3.38	70.0	1.20	1.19	1.31
1300.0	1330.0	4.17	3.29	2.80	1330.0	4.87	3.37	3.04	90.0	1.21	1.23	1.35
1380.0	1410.0	3.48	2.79	2.40	1410.0	3.81	2.87	2.71	110.0	1.26	1.25	1.35
1460.0	1490.0	2.95	2.42	2.14	1490.0	3.09	2.39	2.39	130.0	1.31	1.26	1.34
1540.0	1570.0	2.61	2.16	1.90	1570.0	2.60	2.06	2.14	150.0	1.37	1.31	1.37
1620.0	1650.0	2.37	1.95	1.70	1650.0	2.24	1.78	1.95	170.0	1.43	1.38	1.43
1700.0	1730.0	2.28	1.86	1.61	1730.0	1.99	1.58	1.82	190.0	1.48	1.41	1.46
1780.0	1810.0	2.09	1.70	1.50	1810.0	1.82	1.43	1.70	210.0	1.49	1.40	1.44
1860.0	1890.0	1.94	1.60	1.46	1890.0	1.74	1.35	1.63	230.0	1.55	1.44	1.45
1940.0	1970.0	1.76	1.47	1.41	1970.0	1.72	1.26	1.54	250.0	1.66	1.54	1.54
2020.0	2050.0	1.59	1.42	1.42	2050.0	1.73	1.17	1.44	270.0	1.71	1.58	1.57
2100.0	2130.0	1.53	1.41	1.45	2130.0	1.73	1.11	1.35	290.0	1.72	1.58	1.57
2200.0	2230.0	1.53	1.40	1.44	2230.0	1.83	1.17	1.27	310.0	1.78	1.62	1.59
2280.0	2310.0	1.52	1.39	1.43	2310.0	1.89	1.21	1.22	330.0	1.88	1.69	1.63
2380.0	2410.0	1.62	1.47	1.46	2410.0	1.96	1.27	1.20	350.0	1.94	1.74	1.67
2460.0	2490.0	1.86	1.70	1.66	2490.0	1.96	1.29	1.18	370.0	2.01	1.81	1.75
2560.0	2590.0	2.25	2.06	1.96	2590.0	1.94	1.29	1.18	390.0	2.04	1.83	1.75
2640.0	2670.0	2.76	2.48	2.27	2670.0	1.92	1.28	1.18	410.0	2.10	1.84	1.73
2740.0	2770.0	2.99	2.67	2.45	2770.0	1.88	1.28	1.22	430.0	2.20	1.92	1.81
2820.0	2850.0	2.95	2.60	2.38	2850.0	1.82	1.26	1.24	450.0	2.31	2.03	1.91
2920.0	2950.0	2.95	2.56	2.31	2950.0	1.80	1.30	1.28	470.0	2.36	2.07	1.93
3000.0	3030.0	3.04	2.57	2.28	3030.0	1.82	1.36	1.35	490.0	2.37	2.05	1.90
3100.0	3130.0	3.22	2.64	2.27	3130.0	1.87	1.46	1.44	510.0	2.48	2.14	1.98
3180.0	3210.0	3.34	2.77	2.32	3210.0	1.98	1.55	1.52	530.0	2.62	2.26	2.08
3280.0	3310.0	3.22	2.75	2.38	3310.0	2.16	1.69	1.59	550.0	2.67	2.29	2.11
3360.0	3390.0	3.20	2.66	2.29	3390.0	2.40	1.80	1.60	590.0	2.79	2.39	2.18
3460.0	3490.0	3.15	2.51	2.14	3490.0	2.68	1.96	1.62	610.0	2.89	2.46	2.23
3540.0	3570.0	3.10	2.41	2.00	3570.0	2.89	2.12	1.66	650.0	3.12	2.67	2.42
3640.0	3670.0	2.84	2.21	1.84	3670.0	3.09	2.19	1.68	670.0	3.12	2.65	2.40
3720.0	3750.0	2.66	2.13	1.81	3750.0	3.18	2.22	1.66	710.0	3.33	2.83	2.57
3820.0	3850.0	2.46	2.01	1.73	3850.0	3.14	2.13	1.56	730.0	3.53	3.00	2.72
3900.0	3930.0	2.36	1.94	1.67	3930.0	2.92	1.97	1.41	770.0	3.59	3.02	2.73
4000.0	4030.0	2.20	1.80	1.56	4030.0	2.69	1.77	1.24	790.0	3.74	3.17	2.87
4080.0	4110.0	2.09	1.72	1.46	4110.0	2.43	1.65	1.19	830.0	4.01	3.39	3.08
4180.0	4210.0	1.82	1.52	1.31	4210.0	2.13	1.48	1.23	850.0	4.09	3.46	3.14
4260.0	4290.0	1.75	1.50	1.35	4290.0	1.82	1.37	1.35	890.0	4.29	3.65	3.34
4360.0	4390.0	1.82	1.58	1.45	4390.0	1.51	1.34	1.56	910.0	4.50	3.84	3.53

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	1	14	+1	15	18	34	54	37	51	58
1	-	11	+0	22	19	22	28	41	52	47	45	54
2	90	46	53	42	46	65	38	42	46	52	63	53
3	>90	59	57	59	60	54	58	51	63	62	64	>69
4	>90	>69	>69	>69	>69	61	>69	>69	67	>69	>69	>69
5	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
6	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
7	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
8	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
9	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
10	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1800 MHz; -15.00 dBm.
LO IN: 1830 MHz; +4.00 dBm
IF OUT: 30 MHz; -21.19 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	11	27	11	32	33	45	55	46	59	62
1	-	11	+0	25	19	28	30	44	67	60	59	65
2	69	36	46	41	43	46	34	39	48	53	68	64
3	>90	43	37	43	40	39	41	40	47	53	57	63
4	>90	57	54	51	59	47	57	62	51	53	59	63
5	>90	>79	58	64	71	59	52	53	54	51	62	63
6	>90	72	71	>79	62	61	68	55	66	67	64	>79
7	>90	78	>79	>79	69	>79	75	79	59	68	63	61
8	>90	77	>79	>79	>79	>79	70	72	78	66	76	75
9	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	70	>79
10	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1800 MHz; -5.00 dBm.
LO IN: 1830 MHz; +4.00 dBm
IF OUT: 30 MHz; -11.25 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.

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