

Frequency Mixer

MBA-EE7756/30

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)		
		@LO (dBm)		
		+10	+13	+16
1640.0	1670.0	10.84	10.72	10.89
1780.0	1810.0	9.86	9.66	9.26
1920.0	1950.0	8.67	8.36	8.02
2060.0	2090.0	7.98	7.67	7.42
2180.0	2210.0	7.20	6.96	6.81
2320.0	2350.0	6.34	6.15	6.05
2440.0	2470.0	6.11	5.96	5.90
2580.0	2610.0	6.01	5.99	6.09
2700.0	2730.0	6.02	6.08	6.21
2840.0	2870.0	6.33	6.43	6.54
2960.0	2990.0	6.11	6.11	6.14
3100.0	3130.0	5.69	5.59	5.58
3220.0	3250.0	5.71	5.57	5.53
3360.0	3390.0	5.36	5.27	5.30
3480.0	3510.0	5.26	5.17	5.22
3620.0	3650.0	5.16	5.10	5.17
3740.0	3770.0	5.33	5.26	5.36
3880.0	3910.0	5.50	5.45	5.56
4000.0	4030.0	5.47	5.42	5.51
4140.0	4170.0	5.54	5.49	5.56
4260.0	4290.0	5.53	5.44	5.50
4400.0	4430.0	5.43	5.33	5.34
4520.0	4550.0	5.39	5.38	5.57
4660.0	4690.0	5.39	5.49	6.06
4780.0	4810.0	5.35	5.48	5.95
4920.0	4950.0	5.38	5.55	6.10
5040.0	5070.0	5.30	5.41	6.12
5180.0	5210.0	5.57	5.60	6.25
5300.0	5330.0	5.97	5.94	6.66
5440.0	5470.0	6.41	6.31	6.82
5560.0	5590.0	6.73	6.65	7.28
5700.0	5730.0	7.41	7.30	7.72
5820.0	5850.0	7.93	7.73	8.22
5960.0	5990.0	8.40	8.21	8.57
6080.0	6110.0	9.01	8.81	8.97
6220.0	6250.0	9.53	9.31	9.36
6340.0	6370.0	10.00	9.80	9.78
6480.0	6510.0	10.64	10.52	10.48
6600.0	6630.0	11.12	11.02	10.98
6740.0	6770.0	11.58	11.46	11.39

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)		
		@LO (dBm)		
		+10	+13	+16
1640.0	1670.0	12.00	8.99	8.79
1780.0	1810.0	11.60	10.46	15.00
1920.0	1950.0	13.81	14.53	17.13
2060.0	2090.0	16.44	16.86	15.49
2180.0	2210.0	14.41	14.76	13.42
2320.0	2350.0	15.03	15.91	16.02
2440.0	2470.0	15.72	16.60	17.69
2580.0	2610.0	14.25	16.27	18.26
2700.0	2730.0	12.33	14.33	16.10
2840.0	2870.0	12.89	13.90	14.85
2960.0	2990.0	13.20	13.36	13.64
3100.0	3130.0	14.39	15.23	19.61
3220.0	3250.0	13.43	13.37	13.13
3360.0	3390.0	10.04	10.25	9.99
3480.0	3510.0	10.45	10.89	11.45
3620.0	3650.0	10.93	11.42	11.56
3740.0	3770.0	11.76	12.07	12.91
3880.0	3910.0	12.67	13.03	13.87
4000.0	4030.0	13.10	13.44	13.85
4140.0	4170.0	13.50	13.61	13.71
4260.0	4290.0	14.12	14.09	13.96
4400.0	4430.0	14.58	14.18	13.85
4520.0	4550.0	15.03	13.36	11.80
4660.0	4690.0	13.18	12.46	7.58
4780.0	4810.0	12.44	15.07	7.74
4920.0	4950.0	12.36	14.08	9.02
5040.0	5070.0	13.77	14.49	9.54
5180.0	5210.0	14.70	14.18	7.71
5300.0	5330.0	14.80	14.59	7.67
5440.0	5470.0	14.87	14.32	6.98
5560.0	5590.0	15.19	14.59	6.35
5700.0	5730.0	15.42	15.32	7.90
5820.0	5850.0	15.09	14.24	7.41
5960.0	5990.0	15.55	15.24	9.11
6080.0	6110.0	16.74	16.97	15.41
6220.0	6250.0	16.95	18.03	17.81
6340.0	6370.0	17.20	18.83	18.84
6480.0	6510.0	18.23	20.19	20.47
6600.0	6630.0	18.76	20.62	21.95
6740.0	6770.0	18.80	20.56	22.24

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+4dBm (dB)		
		@LO (dBm)		
		+10	+13	+16
1640.0	1670.0	0.21	0.29	0.31
1780.0	1810.0	0.52	0.47	0.80
1920.0	1950.0	0.63	0.50	0.70
2060.0	2090.0	0.46	0.44	0.74
2180.0	2210.0	0.56	0.51	0.76
2320.0	2350.0	0.60	0.50	0.62
2440.0	2470.0	0.59	0.52	0.62
2580.0	2610.0	0.58	0.45	0.43
2700.0	2730.0	0.51	0.38	0.35
2840.0	2870.0	0.43	0.31	0.28
2960.0	2990.0	0.63	0.41	0.37
3100.0	3130.0	1.11	0.87	0.75
3220.0	3250.0	1.43	1.20	1.05
3360.0	3390.0	1.73	1.49	1.29
3480.0	3510.0	1.57	1.36	1.15
3620.0	3650.0	1.43	1.21	1.04
3740.0	3770.0	1.39	1.18	0.95
3880.0	3910.0	1.07	0.92	0.74
4000.0	4030.0	0.98	0.84	0.71
4140.0	4170.0	0.97	0.82	0.70
4260.0	4290.0	0.91	0.80	0.75
4400.0	4430.0	1.07	1.01	1.04
4520.0	4550.0	1.23	1.34	1.51
4660.0	4690.0	1.24	1.43	1.56
4780.0	4810.0	1.34	1.48	1.85
4920.0	4950.0	1.38	1.50	1.83
5040.0	5070.0	1.41	1.55	1.87
5180.0	5210.0	1.46	1.70	2.09
5300.0	5330.0	1.35	1.59	2.02
5440.0	5470.0	1.30	1.59	2.14
5560.0	5590.0	1.23	1.50	2.08
5700.0	5730.0	1.02	1.23	1.80
5820.0	5850.0	0.94	1.20	1.61
5960.0	5990.0	0.74	0.92	1.34
6080.0	6110.0	0.49	0.58	0.87
6220.0	6250.0	0.33	0.37	0.52
6340.0	6370.0	0.24	0.27	0.36
6480.0	6510.0	0.19	0.17	0.20
6600.0	6630.0	0.16	0.13	0.13
6740.0	6770.0	0.16	0.12	0.12

REV. X3

MBA-EE7756/30

101012

Page 1 of 5



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED • RoHS compliant
P.O. Box 350166, Brooklyn, New York 11235-0003 (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)=3350MHz (dB)
		@LO (dBm)
		+13
1850.0	1500.0	8.90
1760.7	1589.3	7.98
1671.4	1678.6	7.34
1582.0	1768.0	7.23
1492.7	1857.3	7.27
1403.4	1946.6	7.33
1314.1	2035.9	7.44
1224.8	2125.2	6.97
1135.4	2214.6	6.73
1046.1	2303.9	6.91
956.8	2393.2	7.37
867.5	2482.5	7.75
778.2	2571.8	7.99
688.8	2661.2	7.88
581.7	2768.3	7.25
492.3	2857.7	6.49
385.1	2964.9	5.81
295.8	3054.2	5.80
188.6	3161.4	5.63
99.3	3250.7	5.29
10.0	3360.0	5.80
120.6	3470.6	5.21
253.3	3603.3	5.32
363.8	3713.8	5.42
496.5	3846.5	5.65
607.1	3957.1	5.95
739.8	4089.8	6.37
850.4	4200.4	6.70
983.1	4333.1	7.28
1093.7	4443.7	7.49
1226.3	4576.3	7.72
1336.9	4686.9	7.78
1469.6	4819.6	8.02
1580.2	4930.2	8.09
1712.9	5062.9	8.02
1823.5	5173.5	8.05
1956.2	5306.2	8.08
2066.7	5416.7	8.36
2199.4	5549.4	9.23
2310.0	5660.0	10.54

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1889.9MHz (dB)
		@LO (dBm)
		+13
10.1	1900.0	9.06
50.1	1940.0	8.62
90.1	1980.0	8.51
130.1	2020.0	8.35
170.1	2060.0	8.19
210.1	2100.0	8.03
250.1	2140.0	7.96
290.1	2180.0	7.83
330.1	2220.0	7.82
370.1	2260.0	7.77
410.1	2300.0	7.79
450.1	2340.0	7.80
490.1	2380.0	7.76
530.1	2420.0	7.79
570.1	2460.0	7.81
610.1	2500.0	7.91
650.1	2540.0	7.97
670.1	2560.0	7.96
710.1	2600.0	8.13
730.1	2620.0	8.25
770.1	2660.0	8.47
790.1	2680.0	8.71
830.1	2720.0	8.98
850.1	2740.0	9.00
890.1	2780.0	9.23
910.1	2800.0	9.25
950.1	2840.0	9.42
970.1	2860.0	9.53
1010.1	2900.0	9.65
1030.1	2920.0	9.80
1070.1	2960.0	9.87
1090.1	2980.0	9.85
1130.1	3020.0	9.92
1150.1	3040.0	9.90
1190.1	3080.0	10.02
1210.1	3100.0	10.05
1250.1	3140.0	10.04
1270.1	3160.0	10.11
1310.1	3200.0	10.38
1330.1	3220.0	10.36

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=4810.1MHz (dB)
		@LO (dBm)
		+13
2190.1	2620.0	10.18
2130.1	2680.0	9.78
2070.1	2740.0	9.41
2010.1	2800.0	8.81
1950.1	2860.0	8.35
1890.1	2920.0	7.87
1830.1	2980.0	7.30
1770.1	3040.0	7.03
1710.1	3100.0	6.65
1650.1	3160.0	6.60
1590.1	3220.0	6.84
1530.1	3280.0	6.93
1470.1	3340.0	7.23
1410.1	3400.0	7.28
1350.1	3460.0	7.35
1290.1	3520.0	7.42
1230.1	3580.0	7.41
1170.1	3640.0	7.18
1110.1	3700.0	7.10
1050.1	3760.0	6.99
990.1	3820.0	7.18
930.1	3880.0	7.19
870.1	3940.0	7.22
810.1	4000.0	6.87
770.1	4040.0	6.73
710.1	4100.0	6.36
670.1	4140.0	6.21
610.1	4200.0	5.97
570.1	4240.0	5.84
510.1	4300.0	5.72
470.1	4340.0	5.63
410.1	4400.0	5.58
370.1	4440.0	5.57
310.1	4500.0	5.60
270.1	4540.0	5.65
210.1	4600.0	5.76
170.1	4640.0	5.79
110.1	4700.0	5.84
70.1	4740.0	5.71
10.1	4800.0	5.90

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+10	+13	+16	+10	+13	+16
1670.0	28.28	28.09	25.82	9.64	10.84	11.78
1810.0	27.38	26.49	24.16	9.87	10.78	11.07
1950.0	25.16	25.03	23.78	9.30	9.71	9.73
2090.0	23.71	24.02	23.37	8.71	8.82	8.75
2210.0	23.65	23.62	23.14	8.53	8.55	8.53
2350.0	23.66	23.38	22.78	8.67	8.46	8.28
2470.0	23.08	22.97	22.18	8.74	8.54	8.05
2610.0	22.10	22.07	21.48	9.09	8.68	8.06
2730.0	21.73	21.23	20.77	9.33	8.53	8.02
2870.0	22.82	21.87	21.09	9.67	8.61	8.13
2990.0	24.50	22.39	21.31	10.10	8.96	8.42
3130.0	25.32	22.59	21.08	10.66	9.37	8.68
3250.0	27.51	24.19	22.65	11.09	9.72	9.10
3390.0	26.69	24.04	22.53	11.86	10.44	9.81
3510.0	25.54	23.61	22.37	12.39	10.92	10.30
3650.0	24.26	22.89	21.93	13.28	11.74	11.09
3770.0	23.47	22.48	21.60	14.17	12.77	11.91
3910.0	22.74	21.96	21.19	15.01	13.83	13.00
4030.0	22.39	21.69	20.90	16.12	14.78	13.83
4170.0	22.13	21.49	20.86	17.71	15.92	14.80
4290.0	21.52	21.11	20.49	19.33	17.21	15.82
4430.0	21.09	20.79	19.86	22.84	19.41	16.92
4550.0	20.55	20.65	20.33	29.97	23.69	20.24
4690.0	19.82	19.56	19.01	30.80	25.20	21.76
4810.0	19.55	18.99	18.33	30.03	24.63	21.43
4950.0	19.49	18.67	18.02	33.51	25.62	22.00
5070.0	19.30	18.67	17.92	34.63	26.85	22.58
5210.0	19.04	18.38	17.75	30.27	26.18	22.29
5330.0	18.88	18.47	17.46	26.47	25.67	21.84
5470.0	19.14	18.43	17.62	22.48	23.11	21.11
5590.0	19.42	18.62	17.78	19.78	20.60	19.59
5730.0	19.70	19.03	17.92	16.78	17.53	17.03
5850.0	20.15	19.38	18.58	14.49	14.99	14.78
5990.0	20.72	19.98	18.94	12.75	13.28	13.04
6110.0	20.99	20.53	19.56	11.87	12.44	12.23
6250.0	21.18	20.55	20.27	12.16	12.54	12.66
6370.0	21.27	20.78	20.62	12.89	13.36	13.58
6510.0	21.88	21.62	21.52	13.75	14.14	14.49
6630.0	22.15	22.48	22.43	14.74	15.31	15.52
6770.0	22.77	23.10	23.28	16.05	16.35	16.68

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+10	+13	+16
1640.0	1670.0	17.87	16.68	15.50
1780.0	1810.0	18.43	17.05	15.26
1920.0	1950.0	17.66	16.86	15.93
2060.0	2090.0	17.18	16.96	16.97
2180.0	2210.0	17.25	17.30	17.50
2320.0	2350.0	17.77	17.85	17.86
2440.0	2470.0	18.18	18.24	18.19
2580.0	2610.0	17.71	18.00	18.16
2700.0	2730.0	16.48	16.69	16.78
2840.0	2870.0	15.31	15.44	15.51
2960.0	2990.0	14.97	15.12	15.28
3100.0	3130.0	15.00	15.16	15.26
3220.0	3250.0	15.22	15.40	15.50
3360.0	3390.0	16.87	17.00	16.96
3480.0	3510.0	17.78	17.77	17.67
3620.0	3650.0	18.69	18.47	18.23
3740.0	3770.0	19.18	18.82	18.47
3880.0	3910.0	19.07	18.67	18.32
4000.0	4030.0	19.27	18.80	18.37
4140.0	4170.0	19.16	18.59	18.22
4260.0	4290.0	19.34	18.81	18.35
4400.0	4430.0	19.84	19.53	19.02
4520.0	4550.0	18.14	17.93	17.66
4660.0	4690.0	15.98	16.08	17.23
4780.0	4810.0	16.23	15.72	16.27
4920.0	4950.0	17.30	16.36	16.25
5040.0	5070.0	18.57	17.98	17.49
5180.0	5210.0	18.86	18.83	18.60
5300.0	5330.0	19.54	19.90	19.56
5440.0	5470.0	20.44	20.99	20.99
5560.0	5590.0	20.72	20.46	20.27
5700.0	5730.0	20.75	19.04	18.46
5820.0	5850.0	21.12	18.15	16.90
5960.0	5990.0	20.91	18.00	16.58
6080.0	6110.0	19.78	17.45	16.26
6220.0	6250.0	19.52	17.66	16.73
6340.0	6370.0	19.52	18.16	17.24
6480.0	6510.0	19.59	18.77	17.98
6600.0	6630.0	19.52	18.95	18.35
6740.0	6770.0	20.09	19.64	19.14

Frequency Mixer

MBA-EE7756/30

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=4800MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+10	+13	+16		+10	+13	+16		+10	+13	+16
1640.0	1670.0	7.38	6.51	5.12	1670.0	2.91	3.20	3.86	10.0	1.13	1.08	1.33
1780.0	1810.0	5.41	4.61	3.76	1810.0	2.44	2.87	3.46	50.0	1.14	1.12	1.35
1920.0	1950.0	4.41	3.83	3.36	1950.0	2.12	2.56	3.11	90.0	1.19	1.15	1.36
2060.0	2090.0	3.67	3.34	3.04	2090.0	1.93	2.40	3.00	130.0	1.27	1.21	1.38
2180.0	2210.0	3.18	2.98	2.79	2210.0	1.75	2.26	2.82	170.0	1.32	1.26	1.41
2320.0	2350.0	2.71	2.58	2.47	2350.0	1.63	2.13	2.67	190.0	1.36	1.29	1.41
2440.0	2470.0	2.44	2.38	2.34	2470.0	1.59	2.10	2.65	230.0	1.44	1.36	1.46
2580.0	2610.0	2.31	2.34	2.40	2610.0	1.50	1.96	2.48	250.0	1.49	1.40	1.48
2700.0	2730.0	2.34	2.43	2.53	2730.0	1.45	1.89	2.35	290.0	1.56	1.45	1.50
2840.0	2870.0	2.42	2.52	2.61	2870.0	1.46	1.88	2.34	310.0	1.62	1.50	1.54
2960.0	2990.0	2.23	2.29	2.35	2990.0	1.39	1.78	2.20	350.0	1.70	1.57	1.59
3100.0	3130.0	1.77	1.85	1.93	3130.0	1.34	1.70	2.10	370.0	1.73	1.60	1.61
3220.0	3250.0	1.35	1.39	1.44	3250.0	1.34	1.72	2.16	410.0	1.88	1.71	1.68
3360.0	3390.0	1.15	1.06	1.07	3390.0	1.29	1.69	2.09	430.0	1.93	1.76	1.73
3480.0	3510.0	1.42	1.35	1.33	3510.0	1.33	1.76	2.21	470.0	2.00	1.81	1.75
3620.0	3650.0	1.66	1.60	1.57	3650.0	1.44	1.90	2.37	490.0	2.09	1.88	1.80
3740.0	3770.0	1.85	1.76	1.72	3770.0	1.55	2.02	2.50	530.0	2.23	2.01	1.91
3880.0	3910.0	1.95	1.88	1.82	3910.0	1.72	2.25	2.81	550.0	2.25	2.03	1.92
4000.0	4030.0	2.03	1.94	1.87	4030.0	1.89	2.43	3.01	590.0	2.47	2.21	2.05
4140.0	4170.0	2.00	1.90	1.83	4170.0	2.05	2.57	3.14	610.0	2.54	2.27	2.10
4260.0	4290.0	1.89	1.78	1.70	4290.0	2.26	2.80	3.42	650.0	2.65	2.37	2.17
4400.0	4430.0	1.76	1.65	1.57	4430.0	2.48	2.98	3.60	670.0	2.75	2.46	2.22
4520.0	4550.0	1.60	1.49	1.46	4550.0	2.66	3.13	3.71	710.0	2.93	2.63	2.36
4660.0	4690.0	1.49	1.49	1.57	4690.0	2.91	3.36	3.95	730.0	3.02	2.69	2.41
4780.0	4810.0	1.49	1.54	1.65	4810.0	3.17	3.52	4.01	770.0	3.20	2.85	2.51
4920.0	4950.0	1.57	1.69	1.89	4950.0	3.42	3.60	3.95	790.0	3.27	2.92	2.57
5040.0	5070.0	1.71	1.86	2.14	5070.0	3.61	3.73	4.01	830.0	3.36	3.01	2.64
5180.0	5210.0	2.03	2.19	2.46	5210.0	3.73	3.71	3.91	850.0	3.51	3.12	2.69
5300.0	5330.0	2.22	2.35	2.62	5330.0	3.79	3.62	3.72	890.0	3.70	3.29	2.83
5440.0	5470.0	2.69	2.81	3.07	5470.0	3.80	3.46	3.48	910.0	3.70	3.32	2.87
5560.0	5590.0	3.19	3.28	3.52	5590.0	3.62	3.23	3.23	950.0	3.86	3.45	2.95
5700.0	5730.0	3.50	3.52	3.70	5730.0	3.27	2.81	2.72	970.0	4.03	3.57	3.03
5820.0	5850.0	4.24	4.14	4.26	5850.0	2.81	2.36	2.26	1010.0	4.10	3.64	3.10
5960.0	5990.0	4.92	4.74	4.79	5990.0	2.14	1.76	1.70	1030.0	4.06	3.64	3.10
6080.0	6110.0	5.49	5.28	5.28	6110.0	1.70	1.34	1.32	1070.0	4.28	3.82	3.24
6220.0	6250.0	6.32	6.09	6.03	6250.0	1.29	1.05	1.31	1090.0	4.41	3.92	3.32
6340.0	6370.0	7.17	6.89	6.73	6370.0	1.19	1.36	1.66	1130.0	4.45	3.95	3.34
6480.0	6510.0	7.53	7.34	7.17	6510.0	1.48	1.84	2.25	1150.0	4.59	4.07	3.43
6600.0	6630.0	8.27	8.08	7.90	6630.0	1.80	2.26	2.79	1190.0	4.67	4.17	3.53
6740.0	6770.0	9.18	8.99	8.81	6770.0	2.14	2.71	3.31	1210.0	4.56	4.08	3.45

REV. X3

MBA-EE7756/30

101012

Page 4 of 5



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED • RoHS compliant
P.O. Box 350166, Brooklyn, New York 11235-0003 (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



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+19	3	+2	12	37	34	45	---	---	---
1	-	11	+0	26	14	42	32	49	46	73	---	---
2	>90	57	54	49	48	56	47	60	73	63	>74	---
3	>90	59	56	68	56	>74	65	70	69	>74	>74	>74
4	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
5	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
6	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
7	>90	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
8	---	---	>74	>74	>74	>74	>74	>74	>74	>74	>74	>74
9	---	---	---	>74	>74	>74	>74	>74	>74	>74	>74	>74
10	---	---	---	---	>74	>74	>74	>74	>74	>74	>74	>74
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 3350 MHz; -11.00 dBm.
LO IN: 3380 MHz; +13.00 dBm
IF OUT: 30 MHz; -16.3 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+9	13	8	23	46	50	57	---	---	---
1	-	12	+0	28	15	38	35	54	49	65	---	---
2	75	44	44	38	38	44	39	49	65	60	77	---
3	>90	38	35	48	35	54	45	51	54	64	68	82
4	>90	72	61	58	70	49	61	60	62	67	71	69
5	>90	79	72	75	69	70	58	81	64	61	70	84
6	>90	>84	>84	82	76	69	84	59	76	68	81	75
7	>90	>84	>84	>84	82	>84	82	>84	77	>84	77	72
8	---	---	>84	>84	>84	>84	>84	79	>84	70	>84	79
9	---	---	---	>84	>84	>84	>84	>84	>84	>84	79	>84
10	---	---	---	---	>84	>84	>84	>84	>84	>84	>84	82
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 3350 MHz; -1.00 dBm.
LO IN: 3380 MHz; +13.00 dBm
IF OUT: 30 MHz; -6.41 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.