

High Gain Mixer

MRA-42+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION GAIN IF FIXED @IF(OUT)=30MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP-3 OUTPUT (dBm)			RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+0dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+4	+7	+10			+4	+7	+10			+4	+7	+10
1000.1	1030.1	12.73	12.89	12.95	1000.1	1030.1	17.59	18.04	17.85	1000.1	1030.1	2.31	2.10	1.88
1050.1	1080.1	12.55	12.66	12.71	1050.1	1080.1	17.21	17.53	17.22	1050.1	1080.1	2.09	1.85	1.64
1100.1	1130.1	12.23	12.38	12.45	1100.1	1130.1	16.34	17.36	17.42	1100.1	1130.1	1.72	1.54	1.38
1150.1	1180.1	11.97	12.04	12.10	1150.1	1180.1	14.61	15.29	15.89	1150.1	1180.1	1.49	1.31	1.18
1200.1	1230.1	11.88	11.89	11.89	1200.1	1230.1	16.55	17.11	17.14	1200.1	1230.1	1.35	1.17	1.04
1250.1	1280.1	11.85	11.84	11.80	1250.1	1280.1	16.52	17.09	16.98	1250.1	1280.1	1.33	1.19	1.05
1300.1	1330.1	11.92	11.81	11.71	1300.1	1330.1	17.02	17.54	17.79	1300.1	1330.1	1.11	0.97	0.88
1350.1	1380.1	12.07	11.91	11.74	1350.1	1380.1	18.95	18.63	19.03	1350.1	1380.1	1.00	0.85	0.73
1400.1	1430.1	12.31	12.19	12.02	1400.1	1430.1	20.30	20.88	20.98	1400.1	1430.1	1.07	0.90	0.76
1450.1	1480.1	12.14	12.11	12.02	1450.1	1480.1	22.26	22.33	22.29	1450.1	1480.1	0.97	0.83	0.71
1500.1	1530.1	11.78	11.83	11.82	1500.1	1530.1	21.41	21.46	20.90	1500.1	1530.1	0.88	0.75	0.64
1550.1	1580.1	11.51	11.62	11.66	1550.1	1580.1	20.08	20.27	20.26	1550.1	1580.1	0.91	0.80	0.72
1600.1	1630.1	11.58	11.64	11.66	1600.1	1630.1	19.98	20.04	20.20	1600.1	1630.1	0.94	0.84	0.76
1650.1	1680.1	11.61	11.67	11.68	1650.1	1680.1	18.07	18.52	19.01	1650.1	1680.1	1.04	0.94	0.84
1700.1	1730.1	11.71	11.76	11.76	1700.1	1730.1	19.86	20.76	20.94	1700.1	1730.1	1.08	0.94	0.82
1800.1	1830.1	11.89	11.90	11.88	1800.1	1830.1	21.68	22.03	22.07	1800.1	1830.1	0.82	0.70	0.62
1900.1	1930.1	12.25	12.22	12.16	1900.1	1930.1	22.65	24.08	24.18	1900.1	1930.1	0.67	0.59	0.54
2000.1	2030.1	12.28	12.16	12.03	2000.1	2030.1	24.52	25.12	25.69	2000.1	2030.1	0.50	0.39	0.34
2100.1	2130.1	11.99	11.92	11.82	2100.1	2130.1	21.44	22.17	22.68	2100.1	2130.1	0.98	0.81	0.67
2200.1	2230.1	12.13	12.24	12.28	2200.1	2230.1	19.07	19.91	20.55	2200.1	2230.1	1.58	1.41	1.25
2300.1	2330.1	12.35	12.49	12.57	2300.1	2330.1	16.41	17.77	18.75	2300.1	2330.1	1.88	1.71	1.56
2400.1	2430.1	12.92	12.94	12.92	2400.1	2430.1	16.83	17.65	18.48	2400.1	2430.1	1.71	1.55	1.41
2500.1	2530.1	12.70	12.80	12.82	2500.1	2530.1	15.45	16.76	17.93	2500.1	2530.1	1.88	1.65	1.45
2600.1	2630.1	12.64	12.63	12.60	2600.1	2630.1	13.78	14.82	15.67	2600.1	2630.1	1.80	1.64	1.51
2700.1	2730.1	12.78	12.83	12.81	2700.1	2730.1	14.15	14.47	14.70	2700.1	2730.1	1.92	1.76	1.64
2800.1	2830.1	12.44	12.43	12.38	2800.1	2830.1	14.34	15.03	15.80	2800.1	2830.1	1.74	1.56	1.43
2900.1	2930.1	12.33	12.24	12.13	2900.1	2930.1	18.03	17.70	17.38	2900.1	2930.1	1.48	1.37	1.30
3000.1	3030.1	12.40	12.35	12.26	3000.1	3030.1	20.23	20.03	19.71	3000.1	3030.1	1.18	1.11	1.08
3100.1	3130.1	12.33	12.25	12.14	3100.1	3130.1	19.98	20.30	19.87	3100.1	3130.1	0.95	0.91	0.90
3200.1	3230.1	12.15	12.03	11.88	3200.1	3230.1	20.53	20.83	21.05	3200.1	3230.1	0.71	0.63	0.61
3300.1	3330.1	12.09	11.95	11.78	3300.1	3330.1	23.17	24.05	24.18	3300.1	3330.1	0.69	0.56	0.51
3400.1	3430.1	11.99	11.89	11.77	3400.1	3430.1	21.04	22.58	23.18	3400.1	3430.1	1.41	1.15	0.99
3500.1	3530.1	11.28	11.32	11.30	3500.1	3530.1	20.54	21.28	21.26	3500.1	3530.1	1.25	1.13	1.08
3600.1	3630.1	11.44	11.47	11.44	3600.1	3630.1	20.69	20.66	20.97	3600.1	3630.1	0.88	0.74	0.74
3700.1	3730.1	10.75	10.85	10.83	3700.1	3730.1	18.59	19.27	19.70	3700.1	3730.1	0.87	0.85	0.88
3800.1	3830.1	10.98	10.92	10.21	3800.1	3830.1	15.73	16.15	13.25	3800.1	3830.1	1.18	1.34	1.23
3900.1	3930.1	10.94	10.73	9.22	3900.1	3930.1	15.37	12.84	11.41	3900.1	3930.1	1.52	1.68	1.20
4000.1	4030.1	11.02	10.58	8.60	4000.1	4030.1	14.18	11.01	11.68	4000.1	4030.1	1.87	1.99	1.27
4100.1	4130.1	10.64	9.03	8.06	4100.1	4130.1	9.97	17.06	10.14	4100.1	4130.1	1.67	0.88	1.18
4200.1	4230.1	10.45	9.76	9.19	4200.1	4230.1	13.52	14.08	13.38	4200.1	4230.1	1.29	0.93	0.97

High Gain Mixer

MRA-42+

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION GAIN VS. IF FREQUENCY @RF(IN)=2600.1MHz (dB)
		@LO (dBm)
		+7
1800.0	800.1	-10.87
1710.0	890.1	-7.98
1620.0	980.1	-6.55
1530.0	1070.1	-4.96
1440.0	1160.1	-1.81
1350.0	1250.1	0.62
1260.0	1340.1	4.38
1170.0	1430.1	5.42
1070.0	1530.1	6.17
980.0	1620.1	5.48
890.0	1710.1	6.52
800.0	1800.1	7.76
710.0	1890.1	8.87
600.0	2000.1	9.39
530.0	2070.1	9.34
440.0	2160.1	10.03
340.0	2260.1	10.64
250.0	2350.1	11.00
160.0	2440.1	10.99
70.0	2530.1	11.50
20.0	2620.1	13.66
110.0	2710.1	10.95
200.0	2800.1	10.67
290.0	2890.1	10.44
400.0	3000.1	10.09
470.0	3070.1	10.00
560.0	3160.1	10.22
650.0	3250.1	9.83
750.0	3350.1	8.93
840.0	3440.1	8.02
930.0	3530.1	6.94
1020.0	3620.1	6.05
1110.0	3710.1	4.73
1200.0	3800.1	3.03
1290.0	3890.1	1.60
1400.0	4000.1	-0.61
1480.0	4080.1	-3.26
1570.0	4170.1	-6.82
1660.0	4260.1	-8.91
1750.0	4350.1	-12.09

IF (OUT) (MHz)	LO (MHz)	CONVERSION GAIN VS. IF FREQUENCY @RF(IN)=1000.1MHz (dB)
		@LO (dBm)
		+7
20.0	1020.1	13.90
70.0	1070.1	11.72
120.0	1120.1	11.41
170.0	1170.1	11.12
220.0	1220.1	10.97
270.0	1270.1	10.83
320.0	1320.1	10.83
370.0	1370.1	10.53
420.0	1420.1	10.17
470.0	1470.1	9.77
520.0	1520.1	9.47
570.0	1570.1	9.17
620.0	1620.1	8.94
680.0	1680.1	9.12
730.0	1730.1	9.09
780.0	1780.1	8.90
830.0	1830.1	8.58
880.0	1880.1	8.12
930.0	1930.1	7.66
980.0	1980.1	7.09
1030.0	2030.1	6.34
1080.0	2080.1	5.79
1130.0	2130.1	5.02
1180.0	2180.1	4.04
1230.0	2230.1	2.89
1280.0	2280.1	2.02
1340.0	2340.1	0.80
1390.0	2390.1	-0.54
1440.0	2440.1	-1.98
1490.0	2490.1	-3.49
1540.0	2540.1	-4.71
1590.0	2590.1	-6.08
1640.0	2640.1	-6.74
1690.0	2690.1	-7.83
1740.0	2740.1	-8.66
1790.0	2790.1	-10.11
1840.0	2840.1	-11.81
1890.0	2890.1	-13.55
1940.0	2940.1	-14.86
2000.0	3000.1	-16.47

IF (OUT) (MHz)	LO (MHz)	CONVERSION GAIN VS. IF FREQUENCY @RF(IN)=4200.1MHz (dB)
		@LO (dBm)
		+7
1900.0	2300.1	-15.61
1860.0	2340.1	-13.28
1810.0	2390.1	-10.77
1760.0	2440.1	-9.48
1710.0	2490.1	-8.34
1660.0	2540.1	-7.34
1620.0	2580.1	-6.46
1570.0	2630.1	-5.74
1520.0	2680.1	-4.78
1470.0	2730.1	-3.69
1420.0	2780.1	-1.96
1370.0	2830.1	-0.50
1330.0	2870.1	0.87
1280.0	2920.1	2.01
1230.0	2970.1	2.99
1180.0	3020.1	3.22
1130.0	3070.1	3.85
1090.0	3110.1	4.33
1040.0	3160.1	5.07
990.0	3210.1	5.61
940.0	3260.1	5.97
890.0	3310.1	6.44
840.0	3360.1	7.01
800.0	3400.1	7.39
750.0	3450.1	8.07
700.0	3500.1	8.44
650.0	3550.1	8.77
600.0	3600.1	8.99
560.0	3640.1	9.32
510.0	3690.1	9.68
460.0	3740.1	10.03
410.0	3790.1	10.18
360.0	3840.1	10.69
310.0	3890.1	10.78
270.0	3930.1	10.68
200.0	4000.1	10.60
170.0	4030.1	10.07
120.0	4080.1	9.48
70.0	4130.1	8.76
20.0	4180.1	10.08

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+4	+7	+10	+4	+7	+10
1030.1	39.62	38.78	38.17	19.23	19.66	19.96
1080.1	40.43	39.44	38.77	18.61	19.09	19.41
1130.1	41.14	40.30	39.77	17.75	18.11	18.37
1180.1	40.36	39.97	39.82	16.77	16.98	17.13
1230.1	42.98	43.03	43.30	16.32	16.58	16.73
1280.1	41.75	42.46	42.98	16.06	16.14	16.22
1330.1	41.24	40.66	40.43	16.18	16.22	16.25
1380.1	39.30	38.72	38.39	16.88	16.99	17.00
1430.1	39.27	37.99	37.36	16.61	16.91	17.07
1480.1	43.63	42.38	41.25	17.03	17.92	18.57
1530.1	42.98	41.69	40.65	17.23	18.19	18.98
1580.1	45.04	43.78	42.72	18.28	19.29	20.14
1630.1	40.19	39.64	39.07	18.17	19.27	20.22
1680.1	41.58	40.82	40.18	18.18	19.38	20.37
1730.1	43.01	40.84	39.44	17.52	18.55	19.41
1830.1	41.58	40.33	39.36	16.94	17.71	18.32
1930.1	38.42	37.63	37.02	16.35	16.82	17.12
2030.1	38.96	38.45	38.03	15.24	15.27	15.23
2130.1	39.50	39.65	39.32	14.32	13.70	13.16
2230.1	34.46	34.30	34.14	25.40	22.13	20.27
2330.1	34.73	33.92	33.28	24.53	23.97	23.24
2430.1	35.46	34.72	34.23	21.73	21.76	21.64
2530.1	35.11	34.75	34.79	20.50	20.58	20.54
2630.1	34.62	33.90	33.45	19.78	19.82	19.81
2730.1	33.44	32.46	31.67	20.03	20.00	19.91
2830.1	31.92	31.48	31.08	21.54	21.23	20.89
2930.1	29.38	28.96	28.60	24.79	24.77	24.41
3030.1	28.63	28.02	27.52	24.83	26.60	28.06
3130.1	30.15	28.99	28.18	25.43	27.15	28.74
3230.1	30.39	28.90	27.90	26.21	26.02	25.73
3330.1	28.37	27.06	26.21	24.51	23.40	22.66
3430.1	29.89	28.30	27.31	22.89	21.92	21.19
3530.1	34.44	32.59	31.42	20.73	20.21	19.73
3630.1	31.23	29.81	28.70	19.06	18.98	18.73
3730.1	28.99	28.05	27.31	18.91	19.40	19.72
3830.1	29.91	28.19	26.61	17.70	17.98	18.29
3930.1	30.70	29.08	27.00	20.03	20.83	21.43
4030.1	29.65	28.52	26.79	24.82	26.35	27.22
4130.1	28.83	26.36	23.54	20.92	21.14	20.34
4230.1	28.61	25.27	22.45	17.35	17.78	17.81

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+4	+7	+10
1000.1	1030.1	-0.07	-0.56	-0.91
1050.1	1080.1	1.20	0.65	0.26
1100.1	1130.1	3.23	2.52	2.00
1150.1	1180.1	6.73	5.96	5.29
1200.1	1230.1	9.38	8.45	7.87
1250.1	1280.1	12.88	11.53	10.57
1300.1	1330.1	13.57	12.62	11.78
1350.1	1380.1	12.44	11.39	10.71
1400.1	1430.1	11.87	11.03	10.39
1450.1	1480.1	12.68	11.96	11.40
1500.1	1530.1	14.21	13.57	12.95
1550.1	1580.1	16.60	16.05	15.53
1600.1	1630.1	19.02	18.62	18.10
1650.1	1680.1	20.69	20.18	19.73
1700.1	1730.1	21.88	21.35	20.78
1800.1	1830.1	21.65	21.33	21.00
1900.1	1930.1	21.72	21.40	21.03
2000.1	2030.1	21.45	21.09	20.93
2100.1	2130.1	23.71	23.59	23.68
2200.1	2230.1	32.65	33.28	34.09
2300.1	2330.1	39.79	37.72	35.20
2400.1	2430.1	30.78	29.80	28.40
2500.1	2530.1	27.19	26.41	25.44
2600.1	2630.1	24.32	23.76	23.03
2700.1	2730.1	21.21	20.92	20.75
2800.1	2830.1	18.17	17.68	17.31
2900.1	2930.1	15.73	15.71	15.81
3000.1	3030.1	16.79	16.80	16.88
3100.1	3130.1	18.98	19.10	19.18
3200.1	3230.1	20.69	20.68	20.63
3300.1	3330.1	20.05	19.80	19.51
3400.1	3430.1	19.62	19.14	18.69
3500.1	3530.1	32.81	31.39	29.93
3600.1	3630.1	22.43	22.02	21.71
3700.1	3730.1	26.22	25.31	24.59
3800.1	3830.1	27.44	25.57	24.44
3900.1	3930.1	35.97	34.13	31.75
4000.1	4030.1	37.78	39.25	36.82
4100.1	4130.1	35.72	41.86	31.14
4200.1	4230.1	39.28	37.92	31.55

High Gain Mixer

MRA-42+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=4200MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+4	+7	+10		+4	+7	+10		+4	+7	+10
1000.1	1030.1	1.62	1.57	1.55	1030.1	3.15	3.73	4.59	10.1	1.40	1.30	1.31
1050.1	1080.1	1.72	1.68	1.66	1080.1	2.60	3.22	4.07	30.1	1.22	1.13	1.16
1100.1	1130.1	1.84	1.82	1.80	1130.1	2.22	2.84	3.65	50.1	1.23	1.20	1.24
1150.1	1180.1	2.03	2.01	1.98	1180.1	1.97	2.58	3.35	70.1	1.22	1.23	1.25
1200.1	1230.1	2.14	2.14	2.11	1230.1	1.80	2.38	3.12	90.1	1.30	1.30	1.29
1250.1	1280.1	2.21	2.24	2.24	1280.1	1.72	2.27	2.98	110.1	1.36	1.36	1.35
1300.1	1330.1	2.27	2.31	2.35	1330.1	1.73	2.27	2.98	130.1	1.42	1.41	1.42
1350.1	1380.1	2.18	2.24	2.29	1380.1	1.79	2.32	3.03	150.1	1.47	1.47	1.48
1400.1	1430.1	1.82	1.88	1.92	1430.1	1.90	2.47	3.20	170.1	1.53	1.55	1.53
1450.1	1480.1	1.63	1.67	1.69	1480.1	1.99	2.58	3.33	190.1	1.61	1.61	1.61
1500.1	1530.1	1.72	1.78	1.79	1530.1	2.19	2.85	3.67	210.1	1.65	1.68	1.66
1550.1	1580.1	1.80	1.80	1.78	1580.1	2.34	3.01	3.83	230.1	1.72	1.75	1.74
1600.1	1630.1	1.78	1.79	1.77	1630.1	2.37	3.09	3.99	250.1	1.80	1.81	1.80
1650.1	1680.1	1.75	1.77	1.76	1680.1	2.38	3.15	4.09	270.1	1.87	1.89	1.89
1700.1	1730.1	1.73	1.78	1.78	1730.1	2.54	3.39	4.37	290.1	1.93	1.92	1.93
1800.1	1830.1	1.54	1.56	1.56	1830.1	2.57	3.46	4.50	310.1	1.97	1.97	1.98
1900.1	1930.1	1.25	1.27	1.26	1930.1	2.68	3.57	4.61	330.1	2.02	2.01	2.03
2000.1	2030.1	1.42	1.45	1.45	2030.1	2.97	3.75	4.70	350.1	2.06	2.09	2.08
2100.1	2130.1	1.63	1.65	1.64	2130.1	3.37	3.96	4.75	370.1	2.09	2.10	2.10
2200.1	2230.1	1.47	1.48	1.48	2230.1	3.62	4.14	4.86	390.1	2.11	2.13	2.12
2300.1	2330.1	1.33	1.33	1.33	2330.1	3.80	4.15	4.76	410.1	2.10	2.11	2.12
2400.1	2430.1	1.27	1.26	1.25	2430.1	3.88	4.03	4.54	430.1	2.08	2.09	2.11
2500.1	2530.1	1.42	1.44	1.45	2530.1	3.89	3.89	4.27	450.1	2.06	2.07	2.08
2600.1	2630.1	1.40	1.39	1.39	2630.1	3.88	3.64	3.87	470.1	2.03	2.04	2.05
2700.1	2730.1	1.56	1.55	1.55	2730.1	3.59	3.36	3.59	490.1	1.98	1.98	1.98
2800.1	2830.1	1.86	1.86	1.86	2830.1	3.08	2.72	2.93	510.1	1.91	1.91	1.91
2900.1	2930.1	1.99	2.00	2.00	2930.1	2.66	2.30	2.54	530.1	1.83	1.84	1.83
3000.1	3030.1	2.21	2.22	2.22	3030.1	2.75	2.32	2.47	550.1	1.76	1.76	1.75
3100.1	3130.1	2.48	2.49	2.49	3130.1	2.80	2.33	2.44	570.1	1.68	1.67	1.67
3200.1	3230.1	2.37	2.39	2.39	3230.1	2.81	2.37	2.47	590.1	1.59	1.60	1.58
3300.1	3330.1	1.76	1.76	1.75	3330.1	2.94	2.41	2.47	610.1	1.51	1.50	1.50
3400.1	3430.1	1.57	1.55	1.55	3430.1	3.18	2.64	2.63	630.1	1.44	1.43	1.42
3500.1	3530.1	1.83	1.81	1.81	3530.1	3.48	2.81	2.71	650.1	1.38	1.37	1.35
3600.1	3630.1	1.60	1.57	1.57	3630.1	3.80	3.02	2.87	670.1	1.30	1.30	1.28
3700.1	3730.1	1.79	1.77	1.76	3730.1	4.23	3.18	2.88	690.1	1.25	1.24	1.22
3800.1	3830.1	1.72	1.74	1.76	3830.1	4.57	3.33	2.88	710.1	1.20	1.19	1.18
3900.1	3930.1	1.75	1.81	1.83	3930.1	4.94	3.49	2.92	730.1	1.16	1.16	1.14
4000.1	4030.1	1.81	1.86	1.88	4030.1	5.09	3.47	2.82	750.1	1.15	1.14	1.14
4100.1	4130.1	1.63	1.68	1.74	4130.1	5.08	3.28	2.54	770.1	1.16	1.15	1.15
4200.1	4230.1	1.38	1.41	1.44	4230.1	4.84	3.19	2.41	800.1	1.18	1.19	1.19

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	6.22	46.91	60.35	64.17	41.00	78.52	53.18	93.04	69.60	83.50
1	---	38.22	---	42.25	49.79	82.16	87.71	78.69	89.17	78.22	98.73	97.39
2	103.78	73.59	67.06	46.96	72.28	82.69	108.74	108.30	76.40	89.08	80.00	99.10
3	102.49	100.66	81.55	92.14	51.80	81.50	95.65	112.05	108.66	103.86	104.47	103.47
4	102.87	107.30	110.57	108.97	103.20	79.57	108.87	106.50	111.56	109.53	104.69	104.81
5	99.57	111.58	107.97	106.82	108.68	107.38	92.07	105.91	108.46	112.04	109.27	110.22
6	95.46	103.77	108.88	109.73	104.14	109.98	114.79	107.85	108.55	108.90	108.93	107.72
7	97.91	103.59	111.58	111.45	107.54	114.10	106.93	108.59	108.91	115.00	108.68	107.65
8	106.44	116.05	102.07	104.25	105.62	109.70	112.19	105.58	106.93	104.78	112.17	108.36
9	107.92	111.48	115.11	104.95	110.73	107.45	104.22	109.07	108.54	106.54	112.67	112.39
10	103.25	111.33	109.22	114.01	105.86	102.93	110.00	107.70	105.76	110.02	111.54	108.61
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2600.1 MHz; -15 dBm.
 LO IN: 2630.1 MHz; +7.00 dBm
 IF OUT: 30 MHz; -2.34 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	15.43	61.03	73.16	76.45	53.13	82.35	68.03	97.47	83.96	95.27
1	---	37.40	---	42.75	50.79	83.83	88.02	82.39	95.69	81.32	104.13	108.12
2	97.87	62.17	55.32	33.38	61.97	72.19	95.90	93.94	72.88	88.58	78.00	99.57
3	90.68	78.60	59.74	72.08	30.00	62.92	75.31	104.66	95.32	92.22	99.59	88.08
4	91.74	99.46	102.00	106.12	75.09	50.18	82.55	86.83	105.83	103.24	88.10	97.05
5	90.45	98.24	99.65	98.70	80.42	92.49	47.31	73.09	93.53	114.17	96.50	101.77
6	94.30	106.19	106.45	110.67	107.79	96.15	88.12	58.48	89.42	95.37	108.83	104.42
7	87.03	101.95	103.57	108.92	108.38	112.52	92.99	100.18	59.50	81.21	105.93	109.72
8	95.67	110.18	101.56	102.86	107.50	111.54	110.06	101.78	98.58	66.82	91.22	100.15
9	97.19	110.10	112.86	109.56	104.03	105.56	113.20	115.34	111.59	105.21	72.29	90.08
10	99.35	108.82	109.83	114.16	102.15	103.94	110.35	108.40	111.55	109.13	108.45	74.45
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2600.1 MHz; -5 dBm.
 LO IN: 2630.1 MHz; +7.00 dBm
 IF OUT: 30 MHz; 7.43 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 represents the Harmonics level of the RF Input Signal to the mixer