

# Frequency Mixer

# ADE-R18WLH+

## Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)		
		@LO (dBm)		
		+7	+10	+13
1370.00	1400.00	10.49	8.65	8.22
1450.00	1480.00	9.51	8.02	7.77
1530.00	1560.00	8.75	7.60	7.20
1610.00	1640.00	7.95	7.12	6.65
1690.00	1720.00	7.24	6.60	6.16
1770.00	1800.00	6.68	6.09	5.79
1850.00	1880.00	6.15	5.67	5.59
1930.00	1960.00	5.84	5.44	5.45
2010.00	2040.00	5.58	5.29	5.35
2090.00	2120.00	5.56	5.29	5.22
2170.00	2200.00	5.51	5.26	5.19
2250.00	2280.00	5.50	5.24	5.16
2330.00	2360.00	5.53	5.21	5.07
2410.00	2440.00	5.50	5.15	5.00
2490.00	2520.00	5.62	5.22	5.06
2570.00	2600.00	5.69	5.28	5.17
2650.00	2680.00	5.63	5.22	5.14
2730.00	2760.00	5.49	5.14	5.08
2810.00	2840.00	5.40	5.13	5.07
2890.00	2920.00	5.59	5.29	5.13
2970.00	3000.00	5.74	5.44	5.28
3050.00	3080.00	5.78	5.50	5.40
3130.00	3160.00	5.83	5.54	5.50
3210.00	3240.00	5.93	5.59	5.55
3290.00	3320.00	6.30	5.88	5.74
3370.00	3400.00	6.74	6.23	6.05
3450.00	3480.00	7.12	6.54	6.37
3530.00	3560.00	7.28	6.75	6.59
3610.00	3640.00	7.26	6.76	6.66
3670.00	3700.00	7.25	6.79	6.65
3750.00	3780.00	7.51	7.11	6.97
3810.00	3840.00	7.70	7.33	7.13
3890.00	3920.00	7.69	7.38	7.16
3950.00	3980.00	7.65	7.38	7.26
4030.00	4060.00	7.84	7.65	7.51
4090.00	4120.00	8.02	7.76	7.46
4170.00	4200.00	8.38	7.95	7.46
4230.00	4260.00	8.59	8.14	7.78
4310.00	4340.00	9.01	8.54	8.13
4370.00	4400.00	9.30	8.77	8.22

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)		
		@LO (dBm)		
		+7	+10	+13
1370.00	1400.00	12.77	14.87	14.32
1450.00	1480.00	11.70	13.42	12.80
1530.00	1560.00	11.38	13.28	12.44
1610.00	1640.00	11.90	12.66	12.20
1690.00	1720.00	11.77	12.54	11.83
1770.00	1800.00	10.36	10.78	10.73
1850.00	1880.00	10.03	10.25	10.72
1930.00	1960.00	9.54	9.85	10.28
2010.00	2040.00	9.07	9.75	10.10
2090.00	2120.00	8.41	9.25	9.58
2170.00	2200.00	7.93	8.63	9.27
2250.00	2280.00	8.18	8.40	9.42
2330.00	2360.00	8.68	8.69	9.74
2410.00	2440.00	11.31	9.63	9.61
2490.00	2520.00	11.48	10.64	10.08
2570.00	2600.00	9.09	9.74	10.23
2650.00	2680.00	8.33	8.92	9.35
2730.00	2760.00	11.79	13.65	12.94
2810.00	2840.00	12.95	15.01	15.66
2890.00	2920.00	14.23	15.97	18.10
2970.00	3000.00	13.57	16.84	19.51
3050.00	3080.00	12.94	16.33	19.33
3130.00	3160.00	13.55	14.36	16.68
3210.00	3240.00	14.41	15.54	18.98
3290.00	3320.00	14.95	16.08	18.09
3370.00	3400.00	15.07	16.98	18.19
3450.00	3480.00	17.99	17.93	17.32
3530.00	3560.00	17.76	17.96	16.87
3610.00	3640.00	14.46	16.25	16.76
3670.00	3700.00	13.94	15.57	16.43
3750.00	3780.00	14.99	15.37	15.72
3810.00	3840.00	15.09	15.20	16.16
3890.00	3920.00	15.96	15.92	16.77
3950.00	3980.00	16.47	16.23	17.06
4030.00	4060.00	17.57	17.57	17.60
4090.00	4120.00	17.83	19.52	20.03
4170.00	4200.00	18.37	19.91	20.84
4230.00	4260.00	17.44	18.35	19.79
4310.00	4340.00	17.46	17.85	20.35
4370.00	4400.00	17.46	18.27	19.71

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+5dBm (dB)		
		@LO (dBm)		
		+7	+10	+13
1370.00	1400.00	-0.70	-1.00	-0.99
1450.00	1480.00	-1.21	-1.25	-1.19
1530.00	1560.00	-1.90	-1.70	-1.48
1610.00	1640.00	-2.69	-2.29	-1.87
1690.00	1720.00	-2.97	-2.55	-2.13
1770.00	1800.00	-3.19	-2.76	-2.34
1850.00	1880.00	-3.32	-2.92	-2.48
1930.00	1960.00	-3.34	-3.04	-2.59
2010.00	2040.00	-3.52	-3.18	-2.83
2090.00	2120.00	-3.46	-3.14	-2.83
2170.00	2200.00	-3.42	-3.08	-2.79
2250.00	2280.00	-3.25	-2.93	-2.65
2330.00	2360.00	-3.06	-2.78	-2.55
2410.00	2440.00	-2.79	-2.58	-2.38
2490.00	2520.00	-2.59	-2.34	-2.16
2570.00	2600.00	-2.42	-2.15	-1.93
2650.00	2680.00	-2.53	-2.17	-1.86
2730.00	2760.00	-2.52	-1.98	-1.66
2810.00	2840.00	-2.32	-1.77	-1.46
2890.00	2920.00	-1.97	-1.46	-1.21
2970.00	3000.00	-1.67	-1.17	-0.97
3050.00	3080.00	-1.46	-1.01	-0.81
3130.00	3160.00	-1.39	-0.93	-0.71
3210.00	3240.00	-1.44	-0.96	-0.72
3290.00	3320.00	-1.52	-1.10	-0.84
3370.00	3400.00	-1.48	-1.15	-0.92
3450.00	3480.00	-1.27	-1.01	-0.85
3530.00	3560.00	-1.10	-0.89	-0.75
3610.00	3640.00	-1.06	-0.83	-0.68
3670.00	3700.00	-1.14	-0.87	-0.71
3750.00	3780.00	-1.00	-0.75	-0.60
3810.00	3840.00	-0.91	-0.68	-0.52
3890.00	3920.00	-0.90	-0.62	-0.47
3950.00	3980.00	-0.90	-0.60	-0.46
4030.00	4060.00	-0.79	-0.50	-0.40
4090.00	4120.00	-0.75	-0.53	-0.41
4170.00	4200.00	-0.58	-0.44	-0.38
4230.00	4260.00	-0.47	-0.31	-0.27
4310.00	4340.00	-0.41	-0.25	-0.22
4370.00	4400.00	-0.36	-0.23	-0.20

REV. X2

ADE-R18WLH+

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# Frequency Mixer

# ADE-R18WLH+

## Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1729.9MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1489.9MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=4010.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		<b>+10</b>			<b>+10</b>			<b>+10</b>
10.10	1740.00	6.26	10.10	1500.00	8.03	1010.10	3000.00	9.13
50.10	1780.00	6.19	50.10	1540.00	7.90	990.10	3020.00	9.11
90.10	1820.00	6.31	90.10	1580.00	7.86	970.10	3040.00	8.99
130.10	1860.00	6.48	130.10	1620.00	7.92	950.10	3060.00	9.00
170.10	1900.00	6.55	170.10	1660.00	8.03	930.10	3080.00	8.99
210.10	1940.00	6.72	210.10	1700.00	8.16	910.10	3100.00	8.92
250.10	1980.00	6.85	250.10	1740.00	8.37	890.10	3120.00	8.88
290.10	2020.00	7.02	290.10	1780.00	8.35	870.10	3140.00	8.91
330.10	2060.00	7.17	330.10	1820.00	8.51	850.10	3160.00	8.86
370.10	2100.00	7.28	370.10	1860.00	8.60	830.10	3180.00	8.86
410.10	2140.00	7.38	410.10	1900.00	8.66	810.10	3200.00	8.85
450.10	2180.00	7.38	450.10	1940.00	8.71	790.10	3220.00	8.81
490.10	2220.00	7.45	490.10	1980.00	8.76	770.10	3240.00	8.83
530.10	2260.00	7.41	530.10	2020.00	8.91	750.10	3260.00	8.81
570.10	2300.00	7.35	570.10	2060.00	8.97	730.10	3280.00	8.79
610.10	2340.00	7.30	610.10	2100.00	9.14	710.10	3300.00	8.82
650.10	2380.00	7.20	650.10	2140.00	9.28	690.10	3320.00	8.73
690.10	2420.00	7.06	690.10	2180.00	9.27	670.10	3340.00	8.77
730.10	2460.00	6.93	730.10	2220.00	9.37	630.10	3380.00	8.71
770.10	2500.00	6.90	770.10	2260.00	9.40	610.10	3400.00	8.73
810.10	2540.00	6.82	810.10	2300.00	9.38	570.10	3440.00	8.62
870.10	2600.00	6.95	850.10	2340.00	9.26	550.10	3460.00	8.58
910.10	2640.00	6.93	890.10	2380.00	9.22	510.10	3500.00	8.49
970.10	2700.00	6.99	930.10	2420.00	9.19	490.10	3520.00	8.49
1010.10	2740.00	6.96	970.10	2460.00	9.12	450.10	3560.00	8.35
1070.10	2800.00	6.86	1010.10	2500.00	9.13	430.10	3580.00	8.36
1110.10	2840.00	6.92	1050.10	2540.00	9.11	390.10	3620.00	8.28
1170.10	2900.00	7.06	1090.10	2580.00	9.11	370.10	3640.00	8.20
1210.10	2940.00	7.26	1130.10	2620.00	9.05	330.10	3680.00	8.17
1270.10	3000.00	7.49	1170.10	2660.00	8.96	310.10	3700.00	8.15
1310.10	3040.00	7.68	1210.10	2700.00	8.99	270.10	3740.00	8.08
1370.10	3100.00	7.92	1250.10	2740.00	8.96	250.10	3760.00	8.13
1410.10	3140.00	8.15	1290.10	2780.00	8.98	210.10	3800.00	8.08
1470.10	3200.00	8.35	1330.10	2820.00	9.12	190.10	3820.00	8.03
1510.10	3240.00	8.57	1370.10	2860.00	9.18	150.10	3860.00	7.98
1570.10	3300.00	8.65	1390.10	2880.00	9.25	130.10	3880.00	7.95
1610.10	3340.00	8.83	1430.10	2920.00	9.50	90.10	3920.00	7.88
1670.10	3400.00	8.90	1450.10	2940.00	9.48	70.10	3940.00	7.88
1710.10	3440.00	8.98	1490.10	2980.00	9.59	30.10	3980.00	7.83
1770.10	3500.00	9.10	1510.10	3000.00	9.76	10.10	4000.00	7.93

# Frequency Mixer

# ADE-R18WLH+

## Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)			RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)					@LO (dBm)		
	+7	+10	+13	+7	+10	+13			+7	+10	+13
1400.00	29.45	28.39	27.56	22.02	24.08	26.42	1370.00	1400.00	15.62	15.55	15.15
1480.00	29.44	28.39	27.80	22.97	24.78	26.65	1450.00	1480.00	16.34	16.24	16.02
1560.00	29.81	28.62	28.07	23.53	24.46	25.49	1530.00	1560.00	16.91	16.84	16.75
1640.00	30.04	29.11	28.51	23.22	23.37	23.51	1610.00	1640.00	17.85	17.74	17.48
1720.00	30.66	29.72	28.72	22.36	21.93	21.74	1690.00	1720.00	18.77	18.86	19.06
1800.00	31.08	29.98	29.22	20.80	20.02	19.70	1770.00	1800.00	19.55	19.40	19.46
1880.00	31.77	30.43	29.87	19.09	18.09	17.57	1850.00	1880.00	19.90	19.53	19.43
1960.00	32.62	30.83	30.16	17.33	16.42	15.87	1930.00	1960.00	19.41	18.96	18.86
2040.00	32.89	30.53	29.50	15.64	14.85	14.14	2010.00	2040.00	18.13	17.47	17.46
2120.00	32.88	30.10	28.51	14.22	13.55	12.88	2090.00	2120.00	16.38	15.68	15.59
2200.00	32.81	29.61	28.22	13.13	12.43	12.13	2170.00	2200.00	15.53	14.67	14.30
2280.00	31.66	29.05	28.29	12.09	11.80	11.60	2250.00	2280.00	15.23	14.48	13.98
2360.00	31.96	29.58	28.61	11.50	11.39	11.28	2330.00	2360.00	15.09	14.59	14.24
2440.00	32.51	30.43	29.03	11.06	11.22	11.14	2410.00	2440.00	15.54	15.16	14.71
2520.00	33.60	31.25	29.80	10.97	11.39	11.40	2490.00	2520.00	15.53	15.40	15.37
2600.00	34.16	32.05	30.96	10.94	11.59	11.98	2570.00	2600.00	15.61	15.66	15.85
2680.00	35.72	33.90	32.70	11.06	12.03	12.64	2650.00	2680.00	15.90	16.00	16.18
2760.00	38.02	35.97	34.36	11.11	12.38	13.07	2730.00	2760.00	16.45	16.59	16.72
2840.00	38.50	37.60	36.22	11.03	12.42	13.37	2810.00	2840.00	17.15	17.21	17.35
2920.00	36.54	37.68	37.64	11.06	12.66	13.75	2890.00	2920.00	17.76	17.85	18.01
3000.00	35.44	37.23	38.33	11.10	12.94	14.16	2970.00	3000.00	18.26	18.41	18.60
3080.00	36.41	39.39	40.67	11.15	13.16	14.86	3050.00	3080.00	18.70	18.95	19.05
3160.00	36.95	41.93	44.57	11.39	13.56	15.55	3130.00	3160.00	19.34	19.60	19.59
3240.00	36.42	41.54	46.92	11.79	14.09	16.24	3210.00	3240.00	19.54	19.78	20.06
3320.00	35.96	40.92	45.03	12.15	14.59	16.80	3290.00	3320.00	19.50	19.72	19.94
3400.00	35.78	40.74	44.97	12.56	15.02	17.19	3370.00	3400.00	19.51	19.61	19.70
3480.00	36.68	42.04	48.07	12.96	15.36	17.51	3450.00	3480.00	19.76	19.82	19.93
3560.00	38.94	44.44	49.79	13.49	15.68	17.59	3530.00	3560.00	20.32	20.54	20.57
3640.00	43.68	49.36	47.59	14.14	15.99	17.20	3610.00	3640.00	21.09	21.19	21.49
3700.00	47.83	47.91	44.97	14.55	16.01	16.82	3670.00	3700.00	21.83	21.93	22.10
3780.00	46.09	43.07	41.75	14.95	15.81	16.17	3750.00	3780.00	22.81	22.88	23.11
3840.00	43.24	40.34	39.21	15.16	15.53	15.50	3810.00	3840.00	23.44	23.50	23.71
3920.00	41.84	39.02	37.46	15.43	15.19	14.82	3890.00	3920.00	24.25	24.51	24.60
3980.00	41.76	39.13	37.35	15.66	15.03	14.40	3950.00	3980.00	25.20	25.38	25.43
4060.00	41.60	39.09	37.15	15.90	14.77	13.96	4030.00	4060.00	25.81	26.16	26.50
4120.00	40.79	38.62	36.20	16.01	14.58	13.58	4090.00	4120.00	26.36	26.69	27.02
4200.00	39.02	37.21	36.06	16.05	14.31	13.10	4170.00	4200.00	27.47	27.59	27.83
4260.00	38.55	36.97	36.34	15.74	13.97	13.02	4230.00	4260.00	28.23	28.39	28.59
4340.00	37.96	36.59	35.80	15.34	13.74	12.48	4310.00	4340.00	29.25	29.59	29.64
4400.00	37.37	36.04	35.43	15.29	13.40	12.28	4370.00	4400.00	30.03	30.41	30.57

# Frequency Mixer

# ADE-R18WLH+

## Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+7	+10	+13		+7	+10	+13		+7	+10	+13
1370.00	1400.00	9.90	8.39	7.83	1400.00	8.51	6.01	5.93	10.00	1.33	1.10	1.09
1450.00	1480.00	8.68	7.66	7.14	1480.00	7.20	5.65	5.75	50.29	1.27	1.06	1.13
1530.00	1560.00	7.60	6.76	6.13	1560.00	6.17	5.36	5.61	90.58	1.35	1.13	1.08
1610.00	1640.00	6.32	5.81	5.20	1640.00	5.34	5.12	5.66	130.87	1.28	1.08	1.11
1690.00	1720.00	5.23	4.82	4.41	1720.00	4.79	4.98	5.70	171.16	1.34	1.17	1.16
1770.00	1800.00	4.30	4.01	3.73	1800.00	4.28	4.74	5.59	211.45	1.30	1.13	1.14
1850.00	1880.00	3.52	3.26	3.13	1880.00	3.89	4.51	5.41	251.74	1.32	1.19	1.24
1930.00	1960.00	2.84	2.63	2.55	1960.00	3.64	4.33	5.34	292.03	1.31	1.17	1.22
2010.00	2040.00	2.23	2.07	2.00	2040.00	3.47	4.20	5.27	332.32	1.32	1.22	1.28
2090.00	2120.00	1.79	1.62	1.54	2120.00	3.36	4.10	5.13	372.61	1.36	1.24	1.32
2170.00	2200.00	1.48	1.29	1.21	2200.00	3.22	3.95	4.98	412.90	1.32	1.25	1.32
2250.00	2280.00	1.30	1.10	1.06	2280.00	3.09	3.80	4.83	453.19	1.40	1.34	1.41
2330.00	2360.00	1.28	1.08	1.12	2360.00	3.00	3.72	4.67	493.48	1.35	1.31	1.39
2410.00	2440.00	1.34	1.15	1.19	2440.00	2.89	3.63	4.40	533.77	1.39	1.38	1.47
2490.00	2520.00	1.49	1.33	1.32	2520.00	2.76	3.47	4.17	574.06	1.38	1.37	1.46
2570.00	2600.00	1.65	1.52	1.49	2600.00	2.65	3.37	4.15	614.35	1.42	1.45	1.51
2650.00	2680.00	1.76	1.65	1.62	2680.00	2.58	3.30	4.07	654.64	1.39	1.42	1.58
2730.00	2760.00	1.82	1.76	1.77	2760.00	2.60	3.26	3.86	694.93	1.43	1.51	1.59
2810.00	2840.00	1.90	1.85	1.91	2840.00	2.45	3.15	3.64	735.22	1.47	1.54	1.67
2890.00	2920.00	2.02	1.96	2.03	2920.00	2.36	3.05	3.63	775.51	1.45	1.56	1.66
2970.00	3000.00	2.12	2.05	2.12	3000.00	2.37	2.98	3.63	815.80	1.52	1.64	1.79
3050.00	3080.00	2.14	2.06	2.10	3080.00	2.38	3.07	3.63	856.09	1.53	1.69	1.82
3130.00	3160.00	2.14	2.04	2.03	3160.00	2.42	3.02	3.69	896.38	1.59	1.77	1.88
3210.00	3240.00	2.15	2.02	1.98	3240.00	2.48	2.98	3.78	916.52	1.60	1.79	2.04
3290.00	3320.00	2.31	2.15	2.05	3320.00	2.46	3.01	3.79	956.81	1.64	1.86	2.08
3370.00	3400.00	2.58	2.42	2.31	3400.00	2.49	2.94	3.70	976.96	1.71	1.95	2.07
3450.00	3480.00	2.92	2.74	2.62	3480.00	2.44	2.93	3.65	1017.25	1.72	1.97	2.19
3530.00	3560.00	3.19	3.00	2.86	3560.00	2.41	2.84	3.60	1037.39	1.80	2.06	2.32
3610.00	3640.00	3.50	3.28	3.07	3640.00	2.40	2.77	3.48	1077.68	1.91	2.20	2.46
3670.00	3700.00	3.68	3.46	3.41	3700.00	2.44	2.80	3.26	1097.83	1.93	2.22	2.49
3750.00	3780.00	3.99	3.78	3.89	3780.00	2.39	2.78	3.03	1138.12	2.07	2.38	2.60
3810.00	3840.00	4.37	4.17	4.01	3840.00	2.36	2.71	2.91	1158.26	2.18	2.51	2.73
3890.00	3920.00	4.75	4.56	4.36	3920.00	2.37	2.68	2.84	1198.55	2.25	2.59	2.99
3950.00	3980.00	4.79	4.61	4.88	3980.00	2.45	2.72	2.85	1218.70	2.38	2.73	3.02
4030.00	4060.00	5.13	4.91	4.99	4060.00	2.54	2.82	2.93	1258.99	2.57	2.95	3.19
4090.00	4120.00	5.56	5.23	4.84	4120.00	2.63	2.89	3.13	1279.13	2.63	3.01	3.43
4170.00	4200.00	6.30	5.83	5.47	4200.00	2.77	3.01	3.40	1319.42	2.82	3.22	3.68
4230.00	4260.00	6.78	6.28	5.77	4260.00	2.98	3.19	3.61	1339.57	3.03	3.44	3.70
4310.00	4340.00	7.44	6.86	5.83	4340.00	3.20	3.37	3.78	1379.86	3.19	3.62	4.04
4370.00	4400.00	7.56	6.94	6.07	4400.00	3.27	3.40	4.08	1400.00	3.32	3.76	4.23

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## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+5	27	11	22	27	38	32	50	53	---
1	-	10	+0	24	34	50	33	53	44	53	59	63
2	82	57	28	39	28	59	50	46	56	51	70	> 74
3	> 90	61	65	47	43	43	59	60	55	62	59	63
4	> 90	74	70	> 74	51	62	54	> 74	65	66	73	66
5	> 90	> 74	> 74	> 74	> 74	67	70	66	> 74	74	74	> 74
6	> 90	> 74	> 74	> 74	> 74	> 74	71	> 74	> 74	> 74	> 74	> 74
7	> 90	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74
8	> 90	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74
9	> 90	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74
10	---	---	> 74	> 74	> 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: 2625.00 MHz; -10.00 dBm.  
 LO IN: 2655.00 MHz; +10.00 dBm  
 IF OUT: 30.00 MHz; -15.77 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	3	37	21	33	37	61	45	76	72	---
1	-	8	+0	28	38	46	39	56	50	76	64	73
2	62	48	30	29	28	59	61	51	50	71	59	69
3	> 90	55	46	34	29	36	64	54	48	67	64	73
4	> 90	48	54	74	38	47	43	62	58	64	62	75
5	> 90	64	62	58	62	47	42	46	69	63	64	72
6	> 90	67	75	71	67	75	50	56	54	71	68	73
7	> 90	76	77	74	75	68	72	62	52	58	73	70
8	> 90	> 84	> 84	80	> 84	78	80	81	56	62	62	77
9	> 90	> 84	> 84	> 84	> 84	83	75	79	78	69	60	65
10	---	---	> 84	> 84	> 84	> 84	> 84	> 84	80	> 84	62	68
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 2625.00 MHz; .00 dBm.  
 LO IN: 2655.00 MHz; +10.00 dBm  
 IF OUT: 30.00 MHz; -6.29 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.