

Frequency Mixer

ADE-R30W+

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=1(dBm) (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+4	+7	+10			+4	+7	+10			+4	+7	+10
120.00	150.00	18.23	11.79	8.58	120.00	150.00	-2.67	3.73	13.56	120.00	150.00	3.52	0.83	-0.11
220.00	250.00	7.03	6.05	5.72	220.00	250.00	10.01	15.72	17.48	220.00	250.00	-1.69	-1.24	-0.89
320.00	350.00	5.63	5.28	5.10	320.00	350.00	14.34	17.23	16.06	320.00	350.00	-1.92	-1.50	-1.23
420.00	450.00	5.39	5.10	4.91	420.00	450.00	16.02	14.24	13.37	420.00	450.00	-1.95	-1.62	-1.40
520.00	550.00	5.39	5.11	4.90	520.00	550.00	12.73	16.21	15.02	520.00	550.00	-2.08	-1.80	-1.60
620.00	650.00	5.22	4.99	4.81	620.00	650.00	13.11	20.00	17.51	620.00	650.00	-2.45	-2.12	-1.89
720.00	750.00	5.11	4.78	4.60	720.00	750.00	16.60	14.18	14.32	720.00	750.00	-2.88	-2.54	-2.21
820.00	850.00	5.85	5.19	4.82	820.00	850.00	8.59	12.54	12.43	820.00	850.00	-2.78	-2.60	-2.38
920.00	950.00	6.61	5.87	5.30	920.00	950.00	4.21	5.83	7.06	920.00	950.00	-2.30	-2.24	-2.13
1020.00	1050.00	6.38	5.78	5.39	1020.00	1050.00	7.02	10.35	12.96	1020.00	1050.00	-2.29	-2.20	-2.10
1120.00	1150.00	6.40	6.01	5.75	1120.00	1150.00	6.51	8.11	9.49	1120.00	1150.00	-1.90	-1.75	-1.62
1220.00	1250.00	6.27	6.09	5.96	1220.00	1250.00	8.34	9.13	9.84	1220.00	1250.00	-1.62	-1.38	-1.24
1320.00	1350.00	6.11	5.98	5.93	1320.00	1350.00	8.98	9.68	10.29	1320.00	1350.00	-1.39	-1.18	-1.06
1420.00	1450.00	6.09	5.96	5.91	1420.00	1450.00	10.01	10.99	11.70	1420.00	1450.00	-1.06	-0.89	-0.80
1520.00	1550.00	6.24	6.10	6.06	1520.00	1550.00	11.33	13.11	14.12	1520.00	1550.00	-1.05	-0.82	-0.74
1620.00	1650.00	6.73	6.38	6.21	1620.00	1650.00	10.00	11.38	12.36	1620.00	1650.00	-1.36	-1.13	-1.02
1740.00	1770.00	6.91	6.59	6.44	1740.00	1770.00	11.13	12.49	12.53	1740.00	1770.00	-1.31	-1.15	-1.07
1840.00	1870.00	7.22	6.82	6.65	1840.00	1870.00	10.89	11.61	11.36	1840.00	1870.00	-1.17	-1.03	-0.97
1960.00	1990.00	7.57	7.04	6.79	1960.00	1990.00	13.72	13.13	12.47	1960.00	1990.00	-1.00	-0.88	-0.80
2060.00	2090.00	7.77	7.12	6.82	2060.00	2090.00	12.69	14.09	14.14	2060.00	2090.00	-0.89	-0.75	-0.66
2180.00	2210.00	7.73	7.05	6.70	2180.00	2210.00	9.73	11.16	12.54	2180.00	2210.00	-0.97	-0.74	-0.62
2280.00	2310.00	7.77	7.05	6.71	2280.00	2310.00	8.97	10.16	11.92	2280.00	2310.00	-0.92	-0.67	-0.54
2400.00	2430.00	8.05	7.20	6.82	2400.00	2430.00	8.69	9.40	11.07	2400.00	2430.00	-0.85	-0.59	-0.49
2500.00	2530.00	8.14	7.18	6.77	2500.00	2530.00	8.06	9.21	10.24	2500.00	2530.00	-0.85	-0.62	-0.49
2620.00	2650.00	8.34	7.14	6.69	2620.00	2650.00	7.86	9.38	10.05	2620.00	2650.00	-0.95	-0.69	-0.54
2720.00	2750.00	8.57	6.99	6.52	2720.00	2750.00	8.03	9.48	10.39	2720.00	2750.00	-0.95	-0.81	-0.64
2840.00	2870.00	8.57	6.69	6.22	2840.00	2870.00	8.37	10.96	11.41	2840.00	2870.00	-0.99	-0.99	-0.82
2940.00	2970.00	8.62	6.67	6.09	2940.00	2970.00	7.67	11.49	11.72	2940.00	2970.00	-1.10	-1.14	-1.01
3060.00	3090.00	8.32	6.63	6.03	3060.00	3090.00	5.56	9.29	11.35	3060.00	3090.00	-1.23	-1.26	-1.24
3160.00	3190.00	7.71	6.41	5.97	3160.00	3190.00	8.72	8.40	9.00	3160.00	3190.00	-1.18	-1.12	-1.14
3280.00	3310.00	6.90	6.03	5.75	3280.00	3310.00	9.21	8.70	9.57	3280.00	3310.00	-1.21	-1.02	-1.03
3380.00	3410.00	6.57	5.86	5.61	3380.00	3410.00	7.73	8.43	9.64	3380.00	3410.00	-1.34	-1.07	-1.04
3500.00	3530.00	6.31	5.78	5.58	3500.00	3530.00	7.66	8.21	9.46	3500.00	3530.00	-1.57	-1.21	-1.15
3600.00	3630.00	6.32	5.91	5.72	3600.00	3630.00	8.22	8.71	9.78	3600.00	3630.00	-1.61	-1.20	-1.08
3720.00	3750.00	6.61	6.25	6.06	3720.00	3750.00	9.68	10.18	10.74	3720.00	3750.00	-1.70	-1.22	-1.02
3820.00	3850.00	7.00	6.63	6.45	3820.00	3850.00	9.91	11.39	11.96	3820.00	3850.00	-1.76	-1.16	-0.90
3940.00	3970.00	7.64	7.21	7.01	3940.00	3970.00	9.79	11.74	12.89	3940.00	3970.00	-1.95	-1.19	-0.81
4040.00	4070.00	8.49	7.92	7.65	4040.00	4070.00	8.82	11.73	13.15	4040.00	4070.00	-2.07	-1.12	-0.70
4160.00	4190.00	9.93	9.03	8.60	4160.00	4190.00	7.31	11.32	13.32	4160.00	4190.00	-2.01	-1.09	-0.59
4260.00	4290.00	11.63	10.17	9.43	4260.00	4290.00	6.86	11.29	13.42	4260.00	4290.00	-1.56	-1.04	-0.59



Frequency Mixer

ADE-R30W+

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2010.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=289.9MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=4010.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+7			+7			+7
1410.10	600.00	9.03	10.10	300.00	5.95	1810.10	2200.00	13.44
1370.10	640.00	8.76	50.10	340.00	5.58	1770.10	2240.00	12.50
1330.10	680.00	8.52	90.10	380.00	5.55	1730.10	2280.00	11.66
1290.10	720.00	8.37	130.10	420.00	5.62	1690.10	2320.00	11.01
1250.10	760.00	8.06	170.10	460.00	5.54	1650.10	2360.00	10.35
1210.10	800.00	7.84	210.10	500.00	5.53	1610.10	2400.00	9.81
1170.10	840.00	7.74	250.10	540.00	5.58	1570.10	2440.00	9.52
1130.10	880.00	7.57	290.10	580.00	5.55	1530.10	2480.00	9.22
1090.10	920.00	7.43	330.10	620.00	5.58	1490.10	2520.00	9.04
1050.10	960.00	7.01	370.10	660.00	5.47	1450.10	2560.00	8.92
1010.10	1000.00	6.58	410.10	700.00	5.47	1410.10	2600.00	8.85
970.10	1040.00	6.37	470.10	760.00	5.32	1370.10	2640.00	8.68
930.10	1080.00	6.54	510.10	800.00	5.34	1330.10	2680.00	8.58
890.10	1120.00	6.81	570.10	860.00	5.44	1290.10	2720.00	8.52
850.10	1160.00	7.16	610.10	900.00	5.50	1250.10	2760.00	8.45
810.10	1200.00	7.38	670.10	960.00	5.63	1210.10	2800.00	8.39
770.10	1240.00	7.52	710.10	1000.00	5.74	1170.10	2840.00	8.36
730.10	1280.00	7.67	770.10	1060.00	5.69	1110.10	2900.00	8.31
690.10	1320.00	7.55	810.10	1100.00	5.74	1070.10	2940.00	8.27
650.10	1360.00	7.46	870.10	1160.00	5.46	1010.10	3000.00	8.27
610.10	1400.00	7.41	910.10	1200.00	5.38	970.10	3040.00	8.26
570.10	1440.00	7.40	970.10	1260.00	5.32	910.10	3100.00	8.27
530.10	1480.00	7.45	1010.10	1300.00	5.42	870.10	3140.00	8.22
490.10	1520.00	7.40	1070.10	1360.00	5.38	810.10	3200.00	8.04
450.10	1560.00	7.48	1110.10	1400.00	5.48	770.10	3240.00	7.94
430.10	1580.00	7.42	1170.10	1460.00	5.67	710.10	3300.00	7.84
390.10	1620.00	7.45	1210.10	1500.00	5.79	670.10	3340.00	7.82
370.10	1640.00	7.49	1270.10	1560.00	6.22	610.10	3400.00	7.80
330.10	1680.00	7.43	1310.10	1600.00	6.45	570.10	3440.00	7.79
310.10	1700.00	7.32	1370.10	1660.00	6.93	510.10	3500.00	7.74
270.10	1740.00	7.06	1410.10	1700.00	7.20	470.10	3540.00	7.71
250.10	1760.00	7.07	1470.10	1760.00	7.50	410.10	3600.00	7.82
210.10	1800.00	6.93	1510.10	1800.00	7.85	370.10	3640.00	7.75
190.10	1820.00	6.98	1570.10	1860.00	8.22	310.10	3700.00	7.79
150.10	1860.00	7.01	1610.10	1900.00	8.56	270.10	3740.00	7.82
130.10	1880.00	6.91	1670.10	1960.00	9.30	210.10	3800.00	7.90
90.10	1920.00	6.97	1710.10	2000.00	9.62	170.10	3840.00	8.00
70.10	1940.00	7.01	1770.10	2060.00	10.76	110.10	3900.00	8.03
30.10	1980.00	6.94	1810.10	2100.00	11.50	70.10	3940.00	8.03
10.10	2000.00	7.52	1870.10	2160.00	13.10	10.10	4000.00	8.36

Frequency Mixer

ADE-R30W+

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)		
	+4	+7	+10	+4	+7	+10			+4	+7	+10
150.00	65.89	64.06	62.77	45.13	43.52	40.85	120.00	150.00	26.57	26.98	27.55
250.00	58.30	54.31	53.18	37.70	36.33	36.18	220.00	250.00	24.24	23.89	23.77
350.00	49.36	50.04	51.05	33.50	33.50	33.88	320.00	350.00	23.25	22.97	22.90
450.00	46.23	48.09	50.07	32.14	32.21	32.47	420.00	450.00	23.04	22.76	22.55
550.00	44.64	46.39	48.01	30.59	31.07	31.80	520.00	550.00	23.21	22.85	22.68
650.00	43.66	45.12	46.15	31.06	30.84	31.00	620.00	650.00	23.71	23.39	23.19
750.00	41.39	42.45	43.29	30.63	30.37	30.45	720.00	750.00	24.35	24.05	23.88
850.00	41.32	42.90	44.03	30.52	29.52	29.08	820.00	850.00	24.81	24.43	24.18
950.00	41.22	42.81	44.07	30.37	28.85	27.51	920.00	950.00	24.63	24.12	23.78
1050.00	44.48	46.25	47.54	29.57	27.01	25.28	1020.00	1050.00	23.80	23.29	22.92
1150.00	43.51	45.27	46.55	21.11	20.53	20.10	1120.00	1150.00	22.62	22.30	22.04
1250.00	46.43	49.86	49.99	18.54	18.05	17.40	1220.00	1250.00	22.26	22.05	21.85
1350.00	53.73	62.76	51.14	16.48	16.04	15.59	1320.00	1350.00	22.60	22.46	22.38
1450.00	47.03	52.17	51.15	14.84	14.47	14.05	1420.00	1450.00	23.91	23.80	23.73
1550.00	40.03	41.95	41.36	13.84	13.64	13.13	1520.00	1550.00	24.36	24.08	23.96
1650.00	37.56	38.54	38.19	13.30	13.08	12.71	1620.00	1650.00	24.14	23.85	23.75
1770.00	38.12	39.27	39.07	12.28	12.39	12.12	1740.00	1770.00	25.76	25.44	25.37
1870.00	37.60	39.68	40.13	11.74	11.88	11.81	1840.00	1870.00	26.98	26.69	26.59
1990.00	38.89	41.69	42.83	11.22	11.60	11.69	1960.00	1990.00	27.80	27.58	27.46
2090.00	43.05	45.23	44.85	11.08	11.40	11.52	2060.00	2090.00	28.24	28.05	27.93
2210.00	49.63	52.49	45.83	11.05	11.32	11.43	2180.00	2210.00	28.31	28.10	28.08
2310.00	52.51	51.67	44.10	11.01	11.39	11.51	2280.00	2310.00	28.24	28.08	28.07
2430.00	45.81	49.37	43.97	11.07	11.46	11.59	2400.00	2430.00	28.27	28.21	28.13
2530.00	44.23	46.13	41.79	10.89	11.22	11.34	2500.00	2530.00	28.30	28.16	28.15
2650.00	41.94	42.78	39.25	10.76	11.25	11.32	2620.00	2650.00	28.59	28.40	28.41
2750.00	40.65	40.78	37.41	10.47	10.93	11.28	2720.00	2750.00	28.71	28.42	28.36
2870.00	39.21	39.28	35.80	10.15	10.57	10.90	2840.00	2870.00	28.94	28.65	28.27
2970.00	37.81	36.45	33.45	9.86	10.13	10.44	2940.00	2970.00	28.72	28.18	27.58
3090.00	35.14	33.16	29.53	9.34	9.61	9.64	3060.00	3090.00	27.76	26.67	25.76
3190.00	33.97	31.55	28.24	9.59	9.86	10.00	3160.00	3190.00	28.32	26.90	25.66
3310.00	36.45	31.58	27.87	10.04	10.64	11.29	3280.00	3310.00	30.61	28.81	27.41
3410.00	36.57	31.34	27.87	10.31	11.40	12.54	3380.00	3410.00	31.99	30.24	29.04
3530.00	34.91	30.70	27.97	10.88	12.35	13.80	3500.00	3530.00	30.77	29.50	28.78
3630.00	33.10	30.06	28.20	11.71	13.14	14.39	3600.00	3630.00	28.25	27.61	27.12
3750.00	31.80	30.31	28.93	12.87	13.87	14.53	3720.00	3750.00	25.19	24.93	24.70
3850.00	30.88	30.25	29.56	13.71	14.23	14.49	3820.00	3850.00	22.89	22.62	22.49
3970.00	29.99	30.25	30.07	14.15	14.28	14.30	3940.00	3970.00	20.69	20.55	20.45
4070.00	29.95	30.47	30.58	14.50	14.24	14.21	4040.00	4070.00	19.39	19.28	19.15
4190.00	30.45	31.58	31.99	14.57	14.42	14.40	4160.00	4190.00	18.16	18.18	18.15
4290.00	31.08	32.49	33.31	14.83	14.86	14.87	4260.00	4290.00	17.44	17.55	17.64

Frequency Mixer

ADE-R30W+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=4010.1MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+4	+7	+10		+4	+7	+10		+4	+7	+10
120.00	150.00	15.26	9.90	6.68	150.00	20.95	18.50	13.81	10.00	2.38	2.07	1.85
220.00	250.00	3.51	3.04	2.88	250.00	8.64	6.63	6.81	70.00	2.39	2.10	1.87
320.00	350.00	2.05	1.97	1.92	350.00	4.05	4.59	5.61	130.00	2.38	2.10	1.88
420.00	450.00	1.54	1.47	1.44	450.00	3.03	3.90	5.04	190.00	2.27	2.02	1.82
520.00	550.00	1.32	1.25	1.20	550.00	2.62	3.51	4.60	250.00	2.19	1.96	1.78
620.00	650.00	1.31	1.22	1.16	650.00	2.38	3.19	4.17	310.00	2.14	1.91	1.74
720.00	750.00	1.54	1.42	1.34	750.00	2.26	2.95	3.79	350.00	2.05	1.83	1.68
820.00	850.00	2.19	1.98	1.85	850.00	2.17	2.74	3.47	410.00	2.02	1.79	1.65
920.00	950.00	2.96	2.71	2.48	950.00	1.96	2.46	3.10	450.00	1.92	1.69	1.57
1020.00	1050.00	3.21	3.00	2.84	1050.00	1.68	2.11	2.69	510.00	1.88	1.67	1.57
1120.00	1150.00	3.40	3.27	3.18	1150.00	1.50	1.89	2.44	550.00	1.79	1.57	1.48
1220.00	1250.00	3.38	3.36	3.33	1250.00	1.45	1.81	2.31	610.00	1.76	1.56	1.50
1320.00	1350.00	3.24	3.23	3.24	1350.00	1.47	1.81	2.29	650.00	1.68	1.48	1.42
1420.00	1450.00	3.05	3.01	3.00	1450.00	1.52	1.87	2.34	710.00	1.66	1.47	1.44
1520.00	1550.00	2.61	2.51	2.45	1550.00	1.60	1.96	2.44	750.00	1.62	1.42	1.38
1620.00	1650.00	2.93	2.72	2.58	1650.00	1.67	2.05	2.55	810.00	1.56	1.39	1.39
1740.00	1770.00	3.24	3.06	2.95	1770.00	1.84	2.16	2.63	850.00	1.53	1.34	1.35
1840.00	1870.00	3.45	3.27	3.16	1870.00	2.08	2.33	2.75	910.00	1.45	1.31	1.35
1960.00	1990.00	3.90	3.67	3.50	1990.00	2.36	2.52	2.85	950.00	1.41	1.25	1.31
2060.00	2090.00	4.08	3.79	3.60	2090.00	2.65	2.70	2.98	1010.00	1.33	1.21	1.32
2180.00	2210.00	4.18	3.86	3.66	2210.00	3.06	2.94	3.14	1050.00	1.30	1.16	1.27
2280.00	2310.00	4.09	3.77	3.57	2310.00	3.47	3.12	3.19	1110.00	1.22	1.14	1.31
2400.00	2430.00	3.80	3.46	3.25	2430.00	4.08	3.47	3.30	1150.00	1.20	1.11	1.29
2500.00	2530.00	3.82	3.43	3.18	2530.00	4.52	3.62	3.33	1210.00	1.12	1.15	1.36
2620.00	2650.00	3.78	3.32	3.07	2650.00	4.96	3.72	3.19	1250.00	1.09	1.17	1.38
2720.00	2750.00	3.73	3.16	2.89	2750.00	5.25	3.88	3.10	1310.00	1.06	1.25	1.46
2840.00	2870.00	3.87	3.04	2.67	2870.00	5.23	3.97	3.02	1350.00	1.08	1.31	1.53
2940.00	2970.00	3.73	2.89	2.42	2970.00	5.02	3.88	3.01	1410.00	1.17	1.40	1.61
3060.00	3090.00	3.08	2.47	2.11	3090.00	4.36	3.37	2.66	1450.00	1.23	1.48	1.69
3160.00	3190.00	2.43	2.04	1.82	3190.00	3.91	2.91	2.16	1510.00	1.34	1.58	1.78
3280.00	3310.00	1.96	1.66	1.48	3310.00	3.62	2.65	2.12	1550.00	1.42	1.68	1.88
3380.00	3410.00	1.68	1.42	1.27	3410.00	3.40	2.71	2.48	1610.00	1.52	1.79	1.99
3500.00	3530.00	1.40	1.21	1.09	3530.00	3.07	2.93	3.14	1650.00	1.63	1.91	2.10
3600.00	3630.00	1.16	1.02	1.09	3630.00	3.00	3.26	3.71	1710.00	1.80	2.10	2.29
3720.00	3750.00	1.15	1.28	1.41	3750.00	3.00	3.48	4.07	1750.00	1.94	2.24	2.42
3820.00	3850.00	1.45	1.59	1.73	3850.00	3.29	3.93	4.51	1810.00	2.21	2.48	2.65
3940.00	3970.00	1.91	2.06	2.23	3970.00	3.84	4.38	4.98	1850.00	2.37	2.65	2.80
4040.00	4070.00	2.29	2.45	2.64	4070.00	4.48	4.91	5.38	1910.00	2.65	2.89	3.02
4160.00	4190.00	2.73	2.83	2.99	4190.00	5.34	5.54	5.91	1950.00	2.86	3.08	3.19
4260.00	4290.00	3.35	3.33	3.42	4290.00	6.17	6.13	6.32	2010.00	3.11	3.33	3.41

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+16	19	+0	30	14	46	33	50	35	53
1	-	19	+0	44	26	45	40	52	43	62	43	58
2	86	62	48	51	50	57	47	64	52	67	63	> 68
3	> 90	> 68	67	> 68	65	> 68	> 68	> 68	> 68	> 68	67	> 68
4	> 90	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68
5	> 90	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68
6	> 90	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68
7	> 90	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68
8	> 90	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68
9	> 90	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68
10	> 90	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68	> 68
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2150.00 MHz; -14.00 dBm.
 LO IN: 2180.00 MHz; +7.00 dBm
 IF OUT: 30.00 MHz; -22.46 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+6	30	10	42	28	66	52	64	46	72
1	-	19	+0	44	27	47	40	55	51	67	60	65
2	66	52	39	47	41	51	39	57	45	61	60	73
3	> 90	55	48	57	45	53	61	58	69	64	62	76
4	> 90	77	67	71	62	54	69	62	64	70	66	70
5	> 90	> 78	> 78	76	75	73	68	76	75	68	> 78	71
6	> 90	> 78	> 78	> 78	> 78	> 78	> 78	68	> 78	77	> 78	> 78
7	> 90	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78
8	> 90	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78
9	> 90	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78
10	> 90	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2150.00 MHz; -4.00 dBm.
 LO IN: 2180.00 MHz; +7.00 dBm
 IF OUT: 30.00 MHz; -12.41 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.