

Frequency Mixer

ADE-ED12872/8

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)		
		@LO (dBm)		
		+4	+7	+10
760.0	790.0	11.44	10.70	10.30
860.0	890.0	10.34	9.71	9.37
960.0	990.0	9.17	8.67	8.49
1060.0	1090.0	8.27	7.81	7.65
1160.0	1190.0	7.76	7.35	7.17
1260.0	1290.0	7.24	6.91	6.74
1360.0	1390.0	6.97	6.62	6.43
1460.0	1490.0	6.60	6.21	6.01
1560.0	1590.0	6.27	5.95	5.80
1660.0	1690.0	6.14	5.94	5.84
1740.0	1770.0	6.05	5.91	5.84
1840.0	1870.0	5.95	5.80	5.74
1920.0	1950.0	5.95	5.79	5.71
2020.0	2050.0	5.95	5.79	5.71
2100.0	2130.0	5.98	5.81	5.73
2200.0	2230.0	5.94	5.78	5.71
2280.0	2310.0	5.96	5.80	5.74
2380.0	2410.0	5.94	5.74	5.68
2460.0	2490.0	5.92	5.72	5.65
2560.0	2590.0	5.98	5.75	5.68
2640.0	2670.0	6.17	5.90	5.81
2740.0	2770.0	6.39	6.08	5.97
2820.0	2850.0	6.79	6.35	6.16
2920.0	2950.0	7.15	6.71	6.48
3000.0	3030.0	7.66	7.23	7.01
3100.0	3130.0	8.01	7.60	7.44
3180.0	3210.0	8.51	8.02	7.85
3280.0	3310.0	8.98	8.41	8.18
3360.0	3390.0	9.40	8.83	8.61
3460.0	3490.0	9.69	9.11	8.88
3540.0	3570.0	9.83	9.33	9.13
3640.0	3670.0	10.04	9.55	9.37
3720.0	3750.0	10.14	9.70	9.56
3820.0	3850.0	10.47	9.99	9.90
3900.0	3930.0	10.60	10.12	10.07
4000.0	4030.0	10.89	10.32	10.31
4080.0	4110.0	11.05	10.24	10.22
4180.0	4210.0	11.40	10.40	10.33
4260.0	4290.0	11.72	10.44	10.33
4360.0	4390.0	11.82	10.57	10.43

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)		
		@LO (dBm)		
		+4	+7	+10
760.0	790.0	8.63	11.87	12.93
860.0	890.0	7.63	11.15	13.35
960.0	990.0	7.39	9.59	10.70
1060.0	1090.0	6.33	7.96	8.77
1160.0	1190.0	4.50	5.97	7.18
1260.0	1290.0	2.99	4.70	6.74
1360.0	1390.0	1.92	4.17	6.72
1460.0	1490.0	2.86	5.32	7.42
1560.0	1590.0	6.38	8.40	9.72
1660.0	1690.0	8.35	9.84	10.89
1740.0	1770.0	8.66	9.64	10.62
1840.0	1870.0	9.51	10.23	11.03
1920.0	1950.0	9.75	10.72	11.52
2020.0	2050.0	9.80	10.88	11.89
2100.0	2130.0	10.06	11.50	12.38
2200.0	2230.0	9.43	11.61	12.81
2280.0	2310.0	9.34	11.71	13.31
2380.0	2410.0	9.54	10.82	12.52
2460.0	2490.0	10.15	11.83	13.32
2560.0	2590.0	9.68	11.49	13.26
2640.0	2670.0	11.01	11.68	13.48
2740.0	2770.0	14.70	12.68	13.00
2820.0	2850.0	15.50	12.90	12.99
2920.0	2950.0	12.37	11.81	12.87
3000.0	3030.0	12.39	11.70	13.01
3100.0	3130.0	13.86	18.58	11.49
3180.0	3210.0	16.05	13.90	14.34
3280.0	3310.0	15.03	15.16	14.96
3360.0	3390.0	14.20	15.27	14.95
3460.0	3490.0	14.15	15.24	15.61
3540.0	3570.0	14.18	15.34	15.50
3640.0	3670.0	14.32	15.66	15.86
3720.0	3750.0	14.29	15.44	16.02
3820.0	3850.0	16.45	15.51	15.89
3900.0	3930.0	18.70	16.42	15.85
4000.0	4030.0	15.73	18.00	15.74
4080.0	4110.0	14.57	18.81	16.33
4180.0	4210.0	15.24	17.04	18.12
4260.0	4290.0	15.88	16.24	18.83
4360.0	4390.0	16.48	16.51	17.85

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+1dBm (dB)		
		@LO (dBm)		
		+4	+7	+10
760.0	790.0	0.16	0.17	0.19
860.0	890.0	0.57	0.48	0.40
960.0	990.0	1.14	0.95	0.78
1060.0	1090.0	1.46	1.25	1.03
1160.0	1190.0	1.72	1.48	1.23
1260.0	1290.0	1.98	1.67	1.39
1360.0	1390.0	1.99	1.65	1.37
1460.0	1490.0	2.00	1.66	1.38
1560.0	1590.0	1.99	1.61	1.33
1660.0	1690.0	1.90	1.52	1.27
1740.0	1770.0	1.63	1.32	1.11
1840.0	1870.0	1.37	1.09	0.89
1920.0	1950.0	1.32	1.04	0.86
2020.0	2050.0	1.27	0.99	0.79
2100.0	2130.0	1.15	0.88	0.71
2200.0	2230.0	1.18	0.89	0.69
2280.0	2310.0	1.06	0.78	0.61
2380.0	2410.0	1.11	0.77	0.60
2460.0	2490.0	1.01	0.70	0.53
2560.0	2590.0	1.00	0.67	0.50
2640.0	2670.0	1.06	0.68	0.48
2740.0	2770.0	1.17	0.77	0.53
2820.0	2850.0	1.25	0.87	0.61
2920.0	2950.0	1.22	0.90	0.68
3000.0	3030.0	0.92	0.67	0.52
3100.0	3130.0	0.65	0.44	0.37
3180.0	3210.0	0.46	0.32	0.27
3280.0	3310.0	0.34	0.25	0.22
3360.0	3390.0	0.24	0.20	0.18
3460.0	3490.0	0.20	0.18	0.16
3540.0	3570.0	0.16	0.16	0.15
3640.0	3670.0	0.16	0.16	0.14
3720.0	3750.0	0.15	0.15	0.14
3820.0	3850.0	0.14	0.14	0.14
3900.0	3930.0	0.17	0.14	0.14
4000.0	4030.0	0.20	0.14	0.14
4080.0	4110.0	0.19	0.15	0.15
4180.0	4210.0	0.14	0.16	0.15
4260.0	4290.0	0.09	0.19	0.17
4360.0	4390.0	0.08	0.18	0.18

REV. X2

ADE-ED12872/8

101013

Page 1 of 5



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED • RoHS compliant

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Frequency Mixer

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2250MHz (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)=3010.1001MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+7			+7			+7
1090.0	1160.0	10.61	10.1	1500.0	6.55	850.1	2160.0	10.40
1028.9	1221.1	10.00	30.5	1520.4	6.16	829.6	2180.5	10.07
967.7	1282.3	9.75	50.9	1540.8	6.15	809.1	2201.0	9.69
906.6	1343.4	9.50	71.3	1561.2	6.13	788.6	2221.5	9.42
845.5	1404.5	9.37	91.7	1581.6	6.08	768.1	2242.0	9.06
784.3	1465.7	9.05	112.1	1602.0	6.03	747.7	2262.4	8.82
723.2	1526.8	8.81	132.5	1622.4	6.01	727.2	2282.9	8.60
662.1	1587.9	8.35	153.0	1642.9	6.01	706.7	2303.4	8.44
600.9	1649.1	7.82	173.4	1663.3	6.00	686.2	2323.9	8.27
539.8	1710.2	7.33	193.8	1683.7	6.03	665.7	2344.4	8.10
478.7	1771.3	6.71	214.2	1704.1	6.08	645.2	2364.9	8.04
417.5	1832.5	6.24	234.6	1724.5	6.11	624.7	2385.4	7.97
356.4	1893.6	6.06	255.0	1744.9	6.19	604.2	2405.9	7.91
295.3	1954.7	6.12	275.4	1765.3	6.23	583.8	2426.3	7.85
234.2	2015.8	6.13	295.8	1785.7	6.26	563.3	2446.8	7.81
173.0	2077.0	6.12	316.2	1806.1	6.32	542.8	2467.3	7.77
111.9	2138.1	6.09	336.6	1826.5	6.37	522.3	2487.8	7.71
50.8	2199.2	5.97	357.0	1846.9	6.40	501.8	2508.3	7.75
10.0	2260.0	6.32	377.4	1867.3	6.38	481.3	2528.8	7.65
68.9	2318.9	5.99	397.9	1887.8	6.49	460.8	2549.3	7.64
108.1	2358.1	6.06	438.7	1928.6	6.48	440.3	2569.8	7.50
167.0	2417.0	6.20	459.1	1949.0	6.60	419.9	2590.2	7.57
206.2	2456.2	6.24	499.9	1989.8	6.71	399.4	2610.7	7.53
265.1	2515.1	6.31	520.3	2010.2	6.71	378.9	2631.2	7.50
304.3	2554.3	6.39	561.1	2051.0	6.76	358.4	2651.7	7.44
363.2	2613.2	6.42	581.5	2071.4	6.95	337.9	2672.2	7.45
402.5	2652.5	6.50	622.3	2112.2	7.07	317.4	2692.7	7.40
461.3	2711.3	6.58	642.8	2132.7	7.01	296.9	2713.2	7.38
500.6	2750.6	6.72	683.6	2173.5	7.22	276.4	2733.7	7.35
559.4	2809.4	6.87	704.0	2193.9	7.43	256.0	2754.1	7.31
598.7	2848.7	7.09	744.8	2234.7	7.69	235.5	2774.6	7.29
657.5	2907.5	7.49	765.2	2255.1	7.86	215.0	2795.1	7.28
696.8	2946.8	7.78	806.0	2295.9	8.28	194.5	2815.6	7.31
755.7	3005.7	8.14	826.4	2316.3	8.46	174.0	2836.1	7.26
794.9	3044.9	8.53	867.2	2357.1	8.84	153.5	2856.6	7.30
853.8	3103.8	8.94	887.7	2377.6	9.19	133.0	2877.1	7.26
893.0	3143.0	9.33	928.5	2418.4	9.47	92.1	2918.0	7.29
951.9	3201.9	9.63	948.9	2438.8	9.67	71.6	2938.5	7.30
991.1	3241.1	10.09	989.7	2479.6	10.26	30.6	2979.5	7.26
1050.0	3300.0	10.55	1010.1	2500.0	10.42	10.1	3000.0	7.59

REV. X2

ADE-ED12872/8

101013

Page 2 of 5



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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+4	+7	+10	+4	+7	+10
790.0	24.35	24.86	24.91	14.46	15.26	15.70
890.0	24.64	24.98	24.89	14.54	15.21	15.53
990.0	25.46	25.75	25.54	14.91	15.41	15.57
1090.0	26.59	26.72	26.37	15.50	15.82	15.73
1190.0	28.52	28.26	27.84	16.38	16.49	16.28
1290.0	31.72	30.85	29.86	17.42	17.42	17.02
1390.0	36.63	34.49	33.08	18.80	18.48	18.12
1490.0	40.42	37.65	35.77	20.73	20.28	19.74
1590.0	39.46	37.70	36.39	23.53	22.72	22.14
1690.0	37.03	36.06	35.12	26.71	25.56	24.81
1770.0	35.52	35.29	34.60	29.05	27.83	27.01
1870.0	33.57	33.78	33.68	32.13	30.47	29.49
1950.0	32.58	32.65	32.50	34.19	32.64	31.70
2050.0	31.67	31.63	31.32	36.73	35.32	34.20
2130.0	31.01	30.85	30.73	38.27	37.17	36.40
2230.0	30.42	30.15	29.99	40.56	39.95	39.46
2310.0	30.16	29.99	29.76	41.40	41.69	41.68
2410.0	30.10	30.06	29.90	42.41	43.43	44.36
2490.0	30.00	30.05	30.03	42.85	44.18	45.57
2590.0	29.72	29.85	29.86	43.65	45.60	47.40
2670.0	29.85	30.06	30.17	43.94	45.88	47.11
2770.0	30.27	30.64	30.88	43.60	44.97	45.19
2850.0	30.93	31.39	31.56	42.66	43.67	43.43
2950.0	31.48	32.37	32.74	42.11	42.71	41.91
3030.0	31.85	32.95	33.76	41.34	42.08	41.31
3130.0	33.22	33.98	34.80	40.38	41.05	40.35
3210.0	34.66	35.34	35.98	39.45	40.12	39.24
3310.0	36.41	37.22	38.06	38.59	39.12	38.23
3390.0	38.12	38.92	39.73	38.00	38.42	37.30
3490.0	40.48	41.31	42.31	37.27	37.54	36.37
3570.0	42.49	43.45	44.58	36.67	36.68	35.36
3670.0	45.22	46.21	47.56	36.03	35.91	34.46
3750.0	46.58	47.27	48.67	35.64	35.01	33.72
3850.0	47.19	47.23	48.12	35.19	34.53	32.94
3930.0	46.65	46.20	46.78	34.94	34.07	32.30
4030.0	43.90	43.73	44.63	34.44	33.30	31.40
4110.0	41.69	41.32	42.51	34.04	32.77	30.76
4210.0	38.78	37.98	38.70	33.57	32.06	29.95
4290.0	37.46	36.21	36.62	33.25	31.59	29.45
4390.0	35.61	34.81	34.91	32.72	31.05	28.57

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+4	+7	+10
760.0	790.0	16.27	17.08	17.60
860.0	890.0	14.24	14.60	15.00
960.0	990.0	12.66	12.98	13.15
1060.0	1090.0	11.11	11.21	11.38
1160.0	1190.0	10.04	10.04	10.14
1260.0	1290.0	9.49	9.42	9.33
1360.0	1390.0	9.75	9.61	9.41
1460.0	1490.0	10.23	9.95	9.79
1560.0	1590.0	10.28	9.98	9.94
1660.0	1690.0	10.37	10.16	10.05
1740.0	1770.0	10.75	10.43	10.36
1840.0	1870.0	11.26	11.05	10.87
1920.0	1950.0	11.63	11.53	11.40
2020.0	2050.0	12.06	11.99	11.93
2100.0	2130.0	12.54	12.49	12.47
2200.0	2230.0	13.08	13.12	13.07
2280.0	2310.0	13.74	13.82	13.77
2380.0	2410.0	14.63	14.80	14.92
2460.0	2490.0	15.33	15.58	15.77
2560.0	2590.0	16.27	16.68	16.96
2640.0	2670.0	17.20	17.77	18.16
2740.0	2770.0	18.22	18.86	19.28
2820.0	2850.0	18.87	19.57	19.97
2920.0	2950.0	20.32	20.94	21.42
3000.0	3030.0	22.05	22.72	23.08
3100.0	3130.0	24.05	24.65	24.99
3180.0	3210.0	25.55	25.79	25.97
3280.0	3310.0	26.56	26.42	26.27
3360.0	3390.0	26.54	26.24	25.96
3460.0	3490.0	25.84	25.51	25.27
3540.0	3570.0	25.13	24.79	24.60
3640.0	3670.0	24.34	24.07	23.89
3720.0	3750.0	23.71	23.51	23.36
3820.0	3850.0	23.21	23.01	22.90
3900.0	3930.0	22.90	22.74	22.65
4000.0	4030.0	22.57	22.47	22.38
4080.0	4110.0	22.48	22.46	22.41
4180.0	4210.0	22.30	22.33	22.29
4260.0	4290.0	22.24	22.30	22.29
4360.0	4390.0	22.07	22.21	22.23

Frequency Mixer

ADE-ED12872/8

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=3000MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+4	+7	+10		+4	+7	+10		+4	+7	+10
760.0	790.0	9.08	8.77	8.51	790.0	2.00	1.72	2.07	10.0	1.86	1.59	1.41
860.0	890.0	6.89	6.63	6.49	890.0	1.83	1.67	2.07	30.5	1.92	1.64	1.45
960.0	990.0	5.17	4.89	4.79	990.0	1.67	1.60	2.06	51.0	1.92	1.63	1.45
1060.0	1090.0	3.98	3.70	3.53	1090.0	1.57	1.60	2.08	71.5	1.82	1.56	1.38
1160.0	1190.0	3.09	2.88	2.71	1190.0	1.48	1.62	2.14	92.1	1.80	1.53	1.36
1260.0	1290.0	2.35	2.24	2.12	1290.0	1.44	1.68	2.22	112.6	1.83	1.57	1.40
1360.0	1390.0	1.80	1.73	1.71	1390.0	1.45	1.76	2.32	133.1	1.80	1.54	1.38
1460.0	1490.0	1.35	1.34	1.36	1490.0	1.46	1.81	2.40	153.6	1.70	1.46	1.31
1560.0	1590.0	1.22	1.28	1.31	1590.0	1.39	1.80	2.44	174.1	1.66	1.43	1.30
1660.0	1690.0	1.42	1.50	1.54	1690.0	1.27	1.79	2.50	194.6	1.65	1.43	1.32
1740.0	1770.0	1.54	1.66	1.73	1770.0	1.22	1.79	2.51	215.1	1.62	1.41	1.30
1840.0	1870.0	1.65	1.75	1.83	1870.0	1.25	1.83	2.57	235.6	1.55	1.35	1.25
1920.0	1950.0	1.76	1.83	1.89	1950.0	1.32	1.86	2.57	256.2	1.50	1.33	1.27
2020.0	2050.0	1.86	1.90	1.94	2050.0	1.44	1.92	2.62	276.7	1.47	1.33	1.30
2100.0	2130.0	1.89	1.92	1.95	2130.0	1.55	1.95	2.60	297.2	1.46	1.34	1.33
2200.0	2230.0	1.86	1.90	1.93	2230.0	1.70	2.00	2.59	317.7	1.42	1.31	1.32
2280.0	2310.0	1.79	1.84	1.88	2310.0	1.85	2.08	2.63	338.2	1.39	1.33	1.38
2380.0	2410.0	1.69	1.74	1.80	2410.0	2.01	2.17	2.65	358.7	1.39	1.37	1.45
2460.0	2490.0	1.63	1.70	1.76	2490.0	2.07	2.16	2.63	379.2	1.42	1.43	1.53
2560.0	2590.0	1.62	1.70	1.78	2590.0	2.32	2.28	2.64	399.7	1.42	1.45	1.56
2640.0	2670.0	1.64	1.73	1.82	2670.0	2.48	2.36	2.67	420.3	1.44	1.51	1.63
2740.0	2770.0	1.70	1.77	1.85	2770.0	2.65	2.41	2.64	440.8	1.47	1.59	1.74
2820.0	2850.0	1.89	1.91	1.96	2850.0	2.79	2.42	2.59	461.3	1.52	1.66	1.82
2920.0	2950.0	2.41	2.41	2.42	2950.0	2.95	2.44	2.52	481.8	1.58	1.73	1.89
3000.0	3030.0	2.92	2.94	2.95	3030.0	3.16	2.48	2.46	502.3	1.62	1.80	1.99
3100.0	3130.0	3.54	3.58	3.62	3130.0	3.34	2.52	2.40	522.8	1.68	1.89	2.09
3180.0	3210.0	4.00	3.99	4.02	3210.0	3.52	2.55	2.34	543.3	1.73	1.96	2.16
3280.0	3310.0	4.62	4.54	4.51	3310.0	3.71	2.59	2.28	563.8	1.84	2.08	2.29
3360.0	3390.0	4.98	4.88	4.83	3390.0	3.82	2.62	2.23	584.4	1.85	2.12	2.36
3460.0	3490.0	5.47	5.36	5.30	3490.0	4.07	2.65	2.15	604.9	1.95	2.24	2.48
3540.0	3570.0	5.81	5.70	5.61	3570.0	4.09	2.64	2.07	625.4	2.01	2.31	2.57
3640.0	3670.0	6.32	6.19	6.11	3670.0	4.40	2.71	1.99	645.9	2.11	2.43	2.70
3720.0	3750.0	6.56	6.42	6.32	3750.0	4.60	2.77	1.95	666.4	2.14	2.47	2.73
3820.0	3850.0	6.86	6.68	6.61	3850.0	5.09	2.97	1.97	686.9	2.25	2.60	2.89
3900.0	3930.0	7.02	6.78	6.68	3930.0	5.41	3.10	2.00	707.4	2.28	2.64	2.92
4000.0	4030.0	7.14	6.68	6.56	4030.0	5.77	3.26	2.06	727.9	2.37	2.75	3.04
4080.0	4110.0	7.38	6.68	6.49	4110.0	6.09	3.42	2.13	748.5	2.43	2.81	3.09
4180.0	4210.0	7.56	6.71	6.37	4210.0	6.24	3.52	2.24	769.0	2.48	2.88	3.18
4260.0	4290.0	7.90	6.81	6.37	4290.0	6.53	3.67	2.37	789.5	2.51	2.89	3.17
4360.0	4390.0	7.87	6.78	6.21	4390.0	6.51	3.71	2.53	810.0	2.61	3.01	3.31

REV. X2

ADE-ED12872/8

101013

Page 4 of 5

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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	12	53	24	31	13	45	34	50	40	> 70
1	-	7	+0	41	39	34	33	41	43	46	51	54
2	86	> 70	> 70	66	> 70	> 70	69	61	50	> 70	65	> 70
3	> 90	70	> 70	> 70	61	> 70	> 70	> 70	> 70	> 70	> 70	> 70
4	> 90	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70
5	> 90	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70
6	> 90	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70
7	> 90	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70
8	> 90	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70
9	> 90	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70
10	> 90	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70	> 70
	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; -19.99 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	22	64	34	42	25	57	48	63	73	75
1	-	7	+0	38	39	36	34	44	46	51	56	61
2	66	77	65	56	79	> 80	61	55	44	77	61	73
3	> 90	50	65	57	42	59	73	54	59	63	60	65
4	> 90	74	> 80	> 80	> 80	77	> 80	> 80	77	69	61	> 80
5	> 90	> 80	> 80	> 80	> 80	> 80	62	> 80	> 80	72	79	> 80
6	> 90	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80
7	> 90	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80
8	> 90	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80
9	> 90	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80
10	> 90	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80	> 80
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2150 MHz; -4.00 dBm.
LO IN: 2180.00 MHz; +7.00 dBm
IF OUT: 30.00 MHz; -10.06 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.

REV. X2
ADE-ED12872/8
101013
Page 5 of 5