

Frequency Mixer

DACY-ED12515/1

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=250MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)			RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+17dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		-3	0	+3			-3	0	+3			-3	0	+3
450.1	700.1	10.95	13.23	15.94	450.1	700.1	20.38	28.66	22.69	450.1	700.1	2.40	0.79	0.21
510.1	760.1	9.74	11.71	16.86	510.1	760.1	19.94	21.23	20.77	510.1	760.1	2.40	1.05	-0.74
570.1	820.1	8.70	8.95	8.92	570.1	820.1	20.56	19.31	19.74	570.1	820.1	2.10	1.74	2.11
630.1	880.1	7.98	8.27	8.57	630.1	880.1	24.80	29.24	30.26	630.1	880.1	1.24	0.74	0.54
690.1	940.1	7.49	7.76	8.11	690.1	940.1	26.05	29.27	31.88	690.1	940.1	0.59	0.33	0.21
750.1	1000.1	7.60	8.04	7.82	750.1	1000.1	28.17	31.25	30.97	750.1	1000.1	0.38	0.24	0.24
810.1	1060.1	7.92	7.99	7.87	810.1	1060.1	29.67	31.77	32.18	810.1	1060.1	0.28	0.20	0.19
870.1	1120.1	7.83	7.90	7.88	870.1	1120.1	30.43	31.37	32.04	870.1	1120.1	0.25	0.19	0.17
930.1	1180.1	7.85	7.85	8.02	930.1	1180.1	29.99	31.95	32.11	930.1	1180.1	0.26	0.18	0.17
990.1	1240.1	7.93	7.98	8.07	990.1	1240.1	29.70	31.90	32.52	990.1	1240.1	0.28	0.20	0.18
1050.1	1300.1	8.05	8.09	8.16	1050.1	1300.1	28.67	31.46	32.58	1050.1	1300.1	0.28	0.19	0.15
1110.1	1360.1	8.16	8.19	8.24	1110.1	1360.1	27.04	29.67	30.98	1110.1	1360.1	0.25	0.16	0.11
1170.1	1420.1	8.34	8.33	8.34	1170.1	1420.1	27.56	29.86	31.24	1170.1	1420.1	0.23	0.15	0.10
1230.1	1480.1	8.47	8.43	8.42	1230.1	1480.1	28.26	30.36	32.14	1230.1	1480.1	0.22	0.14	0.10
1290.1	1540.1	8.62	8.56	8.54	1290.1	1540.1	28.82	30.71	31.92	1290.1	1540.1	0.18	0.11	0.15
1350.1	1600.1	8.43	8.37	8.33	1350.1	1600.1	29.15	30.45	30.32	1350.1	1600.1	0.20	0.14	0.12
1410.1	1660.1	8.19	8.11	8.07	1410.1	1660.1	28.98	29.91	29.88	1410.1	1660.1	0.26	0.19	0.16
1470.1	1720.1	8.12	8.04	7.99	1470.1	1720.1	28.94	30.00	29.97	1470.1	1720.1	0.27	0.20	0.17
1530.1	1780.1	8.11	8.04	8.00	1530.1	1780.1	28.84	30.10	30.14	1530.1	1780.1	0.26	0.21	0.17
1590.1	1840.1	7.99	7.95	7.92	1590.1	1840.1	28.56	29.64	29.91	1590.1	1840.1	0.27	0.24	0.21
1650.1	1900.1	7.98	8.03	8.00	1650.1	1900.1	29.91	30.31	31.30	1650.1	1900.1	0.28	0.27	0.23
1710.1	1960.1	7.99	8.23	8.14	1710.1	1960.1	29.52	32.52	33.66	1710.1	1960.1	0.32	0.30	0.24
1770.1	2020.1	7.94	8.14	7.91	1770.1	2020.1	29.17	31.33	32.63	1770.1	2020.1	0.36	0.32	0.18
1830.1	2080.1	7.94	7.89	7.88	1830.1	2080.1	29.31	31.58	33.33	1830.1	2080.1	0.37	0.44	0.15
1890.1	2140.1	7.95	7.88	7.86	1890.1	2140.1	28.96	30.83	33.27	1890.1	2140.1	0.42	0.36	0.17
1950.1	2200.1	7.95	7.87	7.82	1950.1	2200.1	28.89	30.48	33.10	1950.1	2200.1	0.47	0.32	0.20
2010.1	2260.1	8.07	7.98	7.92	2010.1	2260.1	29.01	30.58	32.33	2010.1	2260.1	0.51	0.35	0.21
2070.1	2320.1	8.08	7.99	7.92	2070.1	2320.1	28.43	29.62	30.87	2070.1	2320.1	0.56	0.41	0.24
2130.1	2380.1	8.02	7.93	7.85	2130.1	2380.1	28.07	29.22	30.34	2130.1	2380.1	0.57	0.53	0.27
2190.1	2440.1	7.97	7.85	7.77	2190.1	2440.1	28.13	29.04	29.84	2190.1	2440.1	0.57	0.55	0.47
2250.1	2500.1	7.94	7.82	7.74	2250.1	2500.1	27.68	28.94	28.99	2250.1	2500.1	0.64	0.60	0.47
2310.1	2560.1	8.06	7.91	7.83	2310.1	2560.1	27.15	28.48	28.66	2310.1	2560.1	0.71	0.66	0.51
2370.1	2620.1	8.34	8.11	8.01	2370.1	2620.1	26.05	27.99	28.62	2370.1	2620.1	0.92	0.56	0.35
2430.1	2680.1	8.84	8.53	8.38	2430.1	2680.1	24.61	27.04	28.10	2430.1	2680.1	1.20	0.68	0.40
2490.1	2740.1	9.47	9.04	8.81	2490.1	2740.1	23.01	25.52	27.03	2490.1	2740.1	1.49	0.91	0.55
2550.1	2800.1	10.37	9.74	9.38	2550.1	2800.1	21.80	24.45	26.38	2550.1	2800.1	1.71	1.11	0.67
2610.1	2860.1	11.38	10.54	10.05	2610.1	2860.1	21.17	23.81	26.05	2610.1	2860.1	1.78	1.17	0.76
2670.1	2920.1	12.30	11.24	10.53	2670.1	2920.1	20.50	22.96	25.52	2670.1	2920.1	1.82	1.29	0.89
2730.1	2980.1	13.39	12.14	11.20	2730.1	2980.1	20.25	22.38	25.22	2730.1	2980.1	1.77	1.29	0.95
2790.1	3040.1	14.42	12.96	11.90	2790.1	3040.1	19.90	21.77	24.44	2790.1	3040.1	1.66	1.29	0.98

REV. X2

DACY-ED12515/1

101012

Page 1 of 5



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Frequency Mixer

DACY-ED12515/1

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1625.1MHz (dB)
		@LO (dBm)
		0
905.0	720.1	13.68
863.7	761.4	12.13
822.4	802.7	10.06
781.1	844.0	9.66
739.8	885.3	9.05
698.5	926.6	8.09
657.2	967.9	7.82
615.8	1009.3	7.48
574.5	1050.6	7.45
533.2	1091.9	7.32
491.9	1133.2	7.43
450.6	1174.5	7.40
395.5	1229.6	7.59
354.2	1270.9	7.72
299.2	1325.9	7.81
257.8	1367.3	7.96
202.8	1422.3	8.06
161.5	1463.6	8.12
106.4	1518.7	8.26
65.1	1560.0	8.31
10.0	1615.1	12.06
62.5	1687.6	8.51
167.4	1792.5	8.17
246.1	1871.2	8.06
351.0	1976.1	8.05
429.7	2054.8	7.80
534.6	2159.7	7.82
613.3	2238.4	7.95
718.2	2343.3	8.11
796.9	2422.0	8.12
901.8	2526.9	8.23
980.5	2605.6	8.25
1085.5	2710.6	8.36
1164.2	2789.3	8.72
1269.1	2894.2	9.28
1347.8	2972.9	9.73
1452.7	3077.8	10.38
1531.4	3156.5	11.04
1636.3	3261.4	12.19
1715.0	3340.1	12.90

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=750.1MHz (dB)
		@LO (dBm)
		0
10.0	760.1	17.09
70.0	820.1	9.29
130.0	880.1	8.35
190.0	940.1	7.73
250.0	1000.1	8.03
310.0	1060.1	7.93
370.0	1120.1	7.94
430.0	1180.1	7.72
490.0	1240.1	7.65
550.0	1300.1	7.53
610.0	1360.1	7.36
670.0	1420.1	7.27
730.0	1480.1	7.13
790.0	1540.1	7.13
850.0	1600.1	7.21
910.0	1660.1	7.40
970.0	1720.1	7.53
1030.0	1780.1	7.62
1090.0	1840.1	7.73
1150.0	1900.1	7.91
1210.0	1960.1	7.96
1270.0	2020.1	8.03
1330.0	2080.1	7.91
1390.0	2140.1	7.90
1470.0	2220.1	8.02
1530.0	2280.1	8.17
1610.0	2360.1	8.25
1670.0	2420.1	8.24
1750.0	2500.1	8.38
1810.0	2560.1	8.48
1890.0	2640.1	8.73
1950.0	2700.1	9.06
2030.0	2780.1	9.58
2090.0	2840.1	9.81
2170.0	2920.1	10.46
2230.0	2980.1	10.90
2310.0	3060.1	11.42
2370.0	3120.1	11.85
2450.0	3200.1	12.80
2510.0	3260.1	13.34

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2500.1001MHz (dB)
		@LO (dBm)
		0
1730.0	770.1	12.70
1690.0	810.1	10.83
1650.0	850.1	10.07
1610.0	890.1	9.54
1570.0	930.1	9.03
1530.0	970.1	9.03
1490.0	1010.1	8.90
1450.0	1050.1	8.88
1410.0	1090.1	8.81
1370.0	1130.1	8.81
1330.0	1170.1	8.78
1290.0	1210.1	8.84
1250.0	1250.1	10.34
1210.0	1290.1	9.15
1170.0	1330.1	9.24
1130.0	1370.1	9.29
1090.0	1410.1	9.11
1050.0	1450.1	9.01
1010.0	1490.1	8.92
970.0	1530.1	8.89
930.0	1570.1	8.95
890.0	1610.1	8.75
850.0	1650.1	8.76
810.0	1690.1	8.77
770.0	1730.1	8.76
710.0	1790.1	8.72
670.0	1830.1	8.69
610.0	1890.1	8.86
570.0	1930.1	8.97
510.0	1990.1	9.19
470.0	2030.1	9.25
410.0	2090.1	9.00
370.0	2130.1	8.97
310.0	2190.1	8.91
270.0	2230.1	8.85
210.0	2290.1	8.73
170.0	2330.1	8.65
110.0	2390.1	8.58
70.0	2430.1	8.59
10.0	2490.1	14.00

REV. X2

DACY-ED12515/1

101012

Page 2 of 5



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Frequency Mixer

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	-3	0	+3	-3	0	+3
700.1	26.13	25.93	23.59	21.77	22.72	26.57
760.1	23.64	23.42	21.96	18.64	18.15	19.37
820.1	25.62	25.98	24.79	16.13	16.31	17.27
880.1	27.26	32.02	30.87	12.92	13.15	13.96
940.1	24.80	27.88	31.73	9.79	10.18	11.43
1000.1	28.73	32.16	28.26	6.91	7.39	10.54
1060.1	21.71	19.16	21.67	3.62	4.97	7.91
1120.1	19.38	17.63	18.96	2.14	3.38	5.74
1180.1	17.95	17.36	16.48	1.72	2.38	4.27
1240.1	17.05	16.08	15.65	2.20	2.92	4.84
1300.1	18.97	17.70	18.10	3.59	4.79	6.87
1360.1	26.98	26.20	26.35	4.04	5.31	7.33
1420.1	35.10	34.71	32.29	3.57	4.62	6.47
1480.1	29.11	32.93	45.13	3.03	3.80	5.35
1540.1	25.04	26.36	31.34	3.79	4.29	5.78
1600.1	24.44	25.53	28.10	4.17	5.06	7.16
1660.1	23.62	25.61	28.45	3.37	4.68	7.04
1720.1	23.16	25.74	29.42	3.04	4.46	6.84
1780.1	22.05	24.52	27.29	3.10	4.58	7.00
1840.1	20.13	22.32	24.16	3.27	4.71	7.12
1900.1	17.44	20.50	22.02	3.23	4.29	6.57
1960.1	15.07	18.16	19.57	2.78	3.56	5.84
2020.1	12.37	13.65	14.98	2.12	2.85	4.90
2080.1	9.20	9.95	11.24	1.42	2.35	3.81
2140.1	7.15	7.81	8.82	1.17	2.08	3.22
2200.1	5.79	6.43	7.31	0.88	1.75	2.75
2260.1	4.90	5.67	6.55	0.59	1.55	2.54
2320.1	3.78	4.58	5.56	0.56	1.48	2.57
2380.1	3.01	3.98	4.97	0.03	1.09	2.19
2440.1	2.45	3.55	4.96	0.41	0.71	2.13
2500.1	1.66	2.75	4.35	0.43	0.61	2.18
2560.1	1.55	2.55	4.07	0.30	0.63	2.06
2620.1	2.31	2.86	4.15	0.68	1.19	2.41
2680.1	3.25	3.41	4.40	2.03	2.18	3.21
2740.1	4.79	4.81	5.50	3.53	3.63	4.49
2800.1	6.63	6.37	6.74	5.30	5.24	5.85
2860.1	8.05	7.66	7.85	6.79	6.62	7.18
2920.1	9.41	9.14	9.00	8.18	8.10	8.58
2980.1	10.80	10.65	10.33	9.59	9.46	9.84
3040.1	12.38	12.25	11.88	10.81	10.73	10.97

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		-3	0	+3
450.1	700.1	34.14	36.84	29.45
510.1	760.1	21.26	22.90	34.38
570.1	820.1	16.92	14.21	12.90
630.1	880.1	17.46	13.84	11.85
690.1	940.1	22.49	17.59	14.25
750.1	1000.1	25.53	18.91	22.05
810.1	1060.1	25.07	22.73	26.62
870.1	1120.1	36.54	33.17	34.35
930.1	1180.1	36.39	30.97	32.60
990.1	1240.1	28.19	26.41	25.34
1050.1	1300.1	24.03	22.19	20.45
1110.1	1360.1	23.17	20.87	18.32
1170.1	1420.1	26.85	23.67	20.35
1230.1	1480.1	31.65	27.20	23.76
1290.1	1540.1	31.21	27.40	24.89
1350.1	1600.1	31.76	28.46	26.37
1410.1	1660.1	34.16	29.96	28.57
1470.1	1720.1	35.92	31.47	29.69
1530.1	1780.1	36.07	32.89	31.20
1590.1	1840.1	35.92	35.02	33.46
1650.1	1900.1	34.73	38.15	37.61
1710.1	1960.1	32.71	32.47	33.50
1770.1	2020.1	36.15	36.88	36.42
1830.1	2080.1	37.79	38.10	37.66
1890.1	2140.1	37.37	37.63	37.59
1950.1	2200.1	35.76	35.58	35.68
2010.1	2260.1	34.43	33.93	33.56
2070.1	2320.1	34.50	33.83	32.98
2130.1	2380.1	35.21	34.67	33.30
2190.1	2440.1	35.75	35.28	33.70
2250.1	2500.1	35.81	35.61	33.88
2310.1	2560.1	35.74	35.61	33.99
2370.1	2620.1	35.84	35.81	34.62
2430.1	2680.1	35.14	34.92	34.31
2490.1	2740.1	32.95	34.04	33.76
2550.1	2800.1	30.95	33.37	33.99
2610.1	2860.1	30.44	33.01	34.57
2670.1	2920.1	30.84	33.11	35.19
2730.1	2980.1	32.09	33.83	34.87
2790.1	3040.1	33.21	34.26	33.60

Frequency Mixer

DACY-ED12515/1

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=2500.1001MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		-3	0	+3		-3	0	+3		-3	0	+3
450.1	700.1	1.82	1.97	2.11	700.1	1.72	1.73	1.74	10.1	10.31	10.02	9.74
510.1	760.1	1.94	2.10	2.19	760.1	1.50	1.51	1.52	70.1	1.75	1.83	1.90
570.1	820.1	2.01	2.11	2.13	820.1	1.33	1.34	1.37	130.1	1.64	1.73	1.82
630.1	880.1	2.02	2.17	2.27	880.1	1.19	1.21	1.25	190.1	1.73	1.83	1.91
690.1	940.1	2.00	2.11	2.24	940.1	1.19	1.20	1.20	250.1	1.91	1.99	2.07
750.1	1000.1	2.07	2.20	2.13	1000.1	1.33	1.36	1.34	310.1	2.09	2.17	2.24
810.1	1060.1	2.22	2.25	2.23	1060.1	1.43	1.42	1.41	370.1	2.26	2.33	2.39
870.1	1120.1	2.25	2.28	2.28	1120.1	1.40	1.39	1.37	430.1	2.38	2.44	2.50
930.1	1180.1	2.32	2.32	2.34	1180.1	1.27	1.27	1.26	490.1	2.51	2.57	2.62
990.1	1240.1	2.41	2.41	2.42	1240.1	1.14	1.14	1.16	550.1	2.56	2.61	2.66
1050.1	1300.1	2.46	2.45	2.44	1300.1	1.01	1.03	1.08	610.1	2.56	2.59	2.63
1110.1	1360.1	2.55	2.52	2.52	1360.1	1.10	1.08	1.05	670.1	2.48	2.50	2.52
1170.1	1420.1	2.55	2.52	2.52	1420.1	1.22	1.20	1.14	730.1	2.35	2.35	2.36
1230.1	1480.1	2.51	2.50	2.50	1480.1	1.39	1.38	1.32	790.1	2.28	2.27	2.26
1290.1	1540.1	2.40	2.40	2.40	1540.1	1.54	1.59	1.58	850.1	2.21	2.18	2.16
1350.1	1600.1	2.27	2.27	2.28	1600.1	1.64	1.70	1.69	910.1	2.12	2.09	2.07
1410.1	1660.1	2.24	2.24	2.24	1660.1	1.65	1.68	1.65	970.1	2.03	1.99	1.96
1470.1	1720.1	2.21	2.21	2.21	1720.1	1.61	1.62	1.60	1030.1	1.91	1.86	1.83
1530.1	1780.1	2.11	2.11	2.11	1780.1	1.52	1.52	1.51	1090.1	1.76	1.71	1.68
1590.1	1840.1	2.01	1.99	1.99	1840.1	1.42	1.41	1.41	1150.1	1.66	1.61	1.58
1650.1	1900.1	1.92	1.87	1.87	1900.1	1.32	1.30	1.31	1210.1	1.55	1.50	1.47
1710.1	1960.1	1.79	1.68	1.68	1960.1	1.20	1.17	1.20	1270.1	1.42	1.36	1.33
1770.1	2020.1	1.69	1.61	1.62	2020.1	1.10	1.08	1.11	1330.1	1.33	1.28	1.25
1830.1	2080.1	1.60	1.54	1.51	2080.1	1.12	1.11	1.09	1390.1	1.26	1.22	1.19
1890.1	2140.1	1.53	1.46	1.41	2140.1	1.22	1.23	1.21	1450.1	1.18	1.15	1.14
1950.1	2200.1	1.48	1.41	1.35	2200.1	1.35	1.36	1.35	1510.1	1.16	1.14	1.14
2010.1	2260.1	1.42	1.36	1.30	2260.1	1.50	1.50	1.48	1590.1	1.14	1.16	1.19
2070.1	2320.1	1.40	1.34	1.28	2320.1	1.62	1.60	1.57	1650.1	1.17	1.21	1.26
2130.1	2380.1	1.36	1.30	1.25	2380.1	1.70	1.66	1.60	1730.1	1.25	1.31	1.35
2190.1	2440.1	1.27	1.22	1.18	2440.1	1.71	1.64	1.51	1790.1	1.36	1.42	1.47
2250.1	2500.1	1.21	1.16	1.12	2500.1	1.66	1.56	1.39	1870.1	1.48	1.54	1.60
2310.1	2560.1	1.11	1.06	1.03	2560.1	1.59	1.49	1.30	1930.1	1.60	1.67	1.73
2370.1	2620.1	1.04	1.07	1.11	2620.1	1.51	1.44	1.27	2010.1	1.77	1.84	1.90
2430.1	2680.1	1.14	1.19	1.23	2680.1	1.49	1.44	1.34	2070.1	1.93	2.00	2.06
2490.1	2740.1	1.30	1.34	1.38	2740.1	1.51	1.48	1.42	2150.1	2.18	2.25	2.31
2550.1	2800.1	1.48	1.51	1.54	2800.1	1.57	1.56	1.53	2210.1	2.36	2.43	2.48
2610.1	2860.1	1.64	1.67	1.68	2860.1	1.68	1.67	1.64	2290.1	2.67	2.73	2.79
2670.1	2920.1	1.82	1.85	1.85	2920.1	1.79	1.79	1.76	2350.1	2.87	2.93	2.99
2730.1	2980.1	1.97	2.00	1.98	2980.1	1.93	1.93	1.90	2430.1	3.33	3.40	3.47
2790.1	3040.1	2.07	2.09	2.07	3040.1	2.07	2.06	2.03	2490.1	3.67	3.89	4.06

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Page 4 of 5



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+4	8	18	27	39	47	43	59	48	67
1	-	29	+0	37	18	39	34	57	56	54	67	76
2	57	63	55	58	60	63	61	70	76	79	>82	>82
3	>90	82	68	>82	62	>82	70	>82	>82	>82	>82	>82
4	>90	>82	82	>82	>82	>82	>82	>82	>82	>82	>82	>82
5	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
6	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
7	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
8	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
9	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
10	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1625.1 MHz; 0.00 dBm.
LO IN: 1875.5 MHz; +0.00 dBm
IF OUT: 250.4 MHz; -8.06 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	6	18	28	38	50	55	54	73	60	80
1	-	28	+0	36	19	40	35	58	57	56	68	82
2	37	50	45	48	53	55	53	60	70	69	76	81
3	71	69	45	65	41	71	51	70	63	80	76	78
4	89	80	74	76	70	74	72	73	81	87	88	>92
5	>90	>92	78	82	70	77	65	84	72	>92	85	>92
6	>90	>92	91	91	83	85	82	89	90	>92	>92	>92
7	>90	>92	>92	>92	81	>92	77	90	79	>92	87	>92
8	>90	>92	>92	>92	>92	>92	87	91	85	>92	>92	>92
9	>90	>92	>92	>92	>92	>92	91	>92	88	>92	>92	>92
10	>90	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1625.1 MHz; 10.00 dBm.
LO IN: 1875.5 MHz; +0.00 dBm
IF OUT: 250.4 MHz; 1.88 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.