

Frequency Mixer

LAVI-ED12954A/1

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP-3 INPUT (dBm)			RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+20dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+21	+23	+25			+21	+23	+25			+21	+23	+25
10.1	40.1	6.91	6.72	6.45	10.1	40.1	19.99	21.56	23.34	10.1	40.1	4.76	3.59	2.59
90.1	120.1	6.70	6.57	6.50	90.1	120.1	26.49	28.00	29.66	90.1	120.1	2.15	1.50	0.94
170.1	200.1	6.69	6.61	6.55	170.1	200.1	27.42	29.52	31.31	170.1	200.1	1.67	1.03	0.56
260.1	290.1	6.81	6.73	6.66	260.1	290.1	28.44	30.48	31.93	260.1	290.1	1.01	0.57	0.36
340.1	370.1	6.87	6.78	6.73	340.1	370.1	28.88	31.07	32.70	340.1	370.1	0.95	0.54	0.32
430.1	460.1	6.93	6.84	6.79	430.1	460.1	29.61	31.33	34.49	430.1	460.1	0.96	0.54	0.31
550.1	580.1	7.19	7.08	7.04	550.1	580.1	29.90	32.29	34.95	550.1	580.1	1.16	0.69	0.41
600.1	630.1	7.27	7.19	7.13	600.1	630.1	30.10	32.40	35.53	600.1	630.1	1.15	0.66	0.38
680.1	710.1	7.39	7.33	7.26	680.1	710.1	30.53	32.90	35.94	680.1	710.1	1.21	0.68	0.43
770.1	800.1	7.44	7.36	7.31	770.1	800.1	30.27	33.00	35.47	770.1	800.1	1.21	0.75	0.45
850.1	880.1	7.44	7.34	7.28	850.1	880.1	30.06	32.90	35.28	850.1	880.1	1.27	0.77	0.46
940.1	970.1	7.51	7.43	7.33	940.1	970.1	30.63	32.68	35.92	940.1	970.1	1.23	0.72	0.49
1020.1	1050.1	7.49	7.39	7.29	1020.1	1050.1	31.25	33.27	36.77	1020.1	1050.1	1.11	0.63	0.38
1110.1	1140.1	7.62	7.52	7.45	1110.1	1140.1	31.26	35.40	39.09	1110.1	1140.1	0.95	0.47	0.22
1190.1	1220.1	7.74	7.61	7.52	1190.1	1220.1	33.51	36.03	39.61	1190.1	1220.1	0.92	0.47	0.24
1280.1	1310.1	7.82	7.67	7.61	1280.1	1310.1	32.75	35.64	39.93	1280.1	1310.1	0.88	0.45	0.21
1360.1	1390.1	7.84	7.69	7.61	1360.1	1390.1	31.09	34.67	38.77	1360.1	1390.1	0.92	0.48	0.27
1450.1	1480.1	7.99	7.87	7.75	1450.1	1480.1	30.41	33.24	37.87	1450.1	1480.1	0.80	0.45	0.24
1530.1	1560.1	8.01	7.88	7.77	1530.1	1560.1	30.35	33.84	38.88	1530.1	1560.1	0.85	0.49	0.26
1620.1	1650.1	8.08	7.97	7.86	1620.1	1650.1	30.01	32.75	36.81	1620.1	1650.1	0.89	0.51	0.29
1700.1	1730.1	8.16	8.04	7.92	1700.1	1730.1	29.58	31.85	35.16	1700.1	1730.1	0.87	0.48	0.26
1790.1	1820.1	8.24	8.10	8.00	1790.1	1820.1	29.91	31.92	33.75	1790.1	1820.1	0.98	0.53	0.28
1870.1	1900.1	8.26	8.11	8.02	1870.1	1900.1	30.29	32.30	33.80	1870.1	1900.1	1.12	0.58	0.32
1960.1	1990.1	8.35	8.21	8.09	1960.1	1990.1	29.53	32.07	34.08	1960.1	1990.1	1.38	0.73	0.41
2040.1	2070.1	8.55	8.39	8.27	2040.1	2070.1	29.09	31.70	34.95	2040.1	2070.1	1.61	0.95	0.50
2130.1	2160.1	8.67	8.50	8.38	2130.1	2160.1	27.82	30.74	33.81	2130.1	2160.1	1.97	1.07	0.56
2210.1	2240.1	8.71	8.52	8.36	2210.1	2240.1	26.50	29.26	32.11	2210.1	2240.1	2.17	1.24	0.71
2300.1	2330.1	8.90	8.67	8.46	2300.1	2330.1	25.23	28.00	30.96	2300.1	2330.1	2.44	1.47	0.83
2380.1	2410.1	8.88	8.65	8.47	2380.1	2410.1	24.40	26.86	29.67	2380.1	2410.1	2.95	1.99	1.17
2470.1	2500.1	9.01	8.76	8.57	2470.1	2500.1	23.48	25.91	28.70	2470.1	2500.1	3.35	2.27	1.33
2550.1	2580.1	9.17	8.93	8.72	2550.1	2580.1	22.83	24.90	27.80	2550.1	2580.1	3.37	2.33	1.32
2640.1	2670.1	9.19	8.96	8.72	2640.1	2670.1	21.82	23.82	26.49	2640.1	2670.1	3.89	2.78	1.70
2720.1	2750.1	9.37	9.08	8.80	2720.1	2750.1	21.15	23.40	25.67	2720.1	2750.1	4.13	2.92	1.98
2810.1	2840.1	9.58	9.26	9.04	2810.1	2840.1	20.42	22.60	24.81	2810.1	2840.1	4.21	3.00	2.02
2890.1	2920.1	9.87	9.57	9.16	2890.1	2920.1	19.64	21.61	23.86	2890.1	2920.1	4.17	3.06	2.24
2980.1	3010.1	10.04	9.71	9.47	2980.1	3010.1	18.99	21.11	23.22	2980.1	3010.1	4.19	3.07	2.09
3060.1	3090.1	10.38	10.10	9.87	3060.1	3090.1	18.81	20.93	23.17	3060.1	3090.1	4.45	3.21	2.25
3150.1	3180.1	10.92	10.67	10.52	3150.1	3180.1	19.02	21.31	23.67	3150.1	3180.1	4.12	2.98	1.94
3230.1	3260.1	11.63	11.49	11.35	3230.1	3260.1	20.19	22.15	24.44	3230.1	3260.1	3.62	2.45	1.53
3320.1	3350.1	12.81	12.65	12.54	3320.1	3350.1	21.33	22.74	24.54	3320.1	3350.1	3.03	2.05	1.10

Frequency Mixer

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1090.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=10.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2170.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+23			+23			+23
1080.0	10.1	12.78	10.0	20.1	7.90	2160.0	10.1	13.18
1030.0	60.1	8.56	90.0	100.1	6.04	2110.0	60.1	9.42
980.0	110.1	7.98	180.0	190.1	6.81	2050.0	120.1	8.78
920.0	170.1	7.95	260.0	270.1	6.12	2000.0	170.1	8.77
870.0	220.1	7.85	350.0	360.1	6.27	1940.0	230.1	8.63
810.0	280.1	7.70	430.0	440.1	6.52	1890.0	280.1	8.43
760.0	330.1	7.72	520.0	530.1	6.50	1830.0	340.1	8.41
700.0	390.1	7.65	600.0	610.1	6.62	1780.0	390.1	8.37
650.0	440.1	7.63	690.0	700.1	6.73	1720.0	450.1	8.37
590.0	500.1	7.55	770.0	780.1	6.83	1670.0	500.1	8.35
540.0	550.1	7.49	860.0	870.1	6.67	1610.0	560.1	8.35
480.0	610.1	7.40	940.0	950.1	6.79	1560.0	610.1	8.37
430.0	660.1	7.38	1030.0	1040.1	6.86	1500.0	670.1	8.33
370.0	720.1	7.28	1120.0	1130.1	7.03	1450.0	720.1	8.35
320.0	770.1	7.40	1200.0	1210.1	7.11	1390.0	780.1	8.33
260.0	830.1	7.37	1290.0	1300.1	7.02	1340.0	830.1	8.33
210.0	880.1	7.77	1370.0	1380.1	7.08	1280.0	890.1	8.31
150.0	940.1	7.81	1460.0	1470.1	7.04	1230.0	940.1	8.28
100.0	990.1	7.50	1540.0	1550.1	7.09	1170.0	1000.1	8.21
40.0	1050.1	7.47	1630.0	1640.1	6.94	1120.0	1050.1	8.21
10.0	1100.1	7.83	1710.0	1720.1	6.85	1060.0	1110.1	8.09
120.0	1210.1	7.71	1800.0	1810.1	6.81	1010.0	1160.1	8.09
240.0	1330.1	7.79	1880.0	1890.1	6.69	950.0	1220.1	8.03
350.0	1440.1	7.52	1970.0	1980.1	6.92	900.0	1270.1	7.99
470.0	1560.1	7.56	2050.0	2060.1	6.86	840.0	1330.1	7.97
580.0	1670.1	7.55	2140.0	2150.1	6.96	790.0	1380.1	7.95
700.0	1790.1	7.58	2230.0	2240.1	7.03	730.0	1440.1	7.95
810.0	1900.1	7.61	2310.0	2320.1	7.05	680.0	1490.1	7.99
930.0	2020.1	7.90	2400.0	2410.1	7.29	620.0	1550.1	8.02
1040.0	2130.1	8.12	2480.0	2490.1	7.40	570.0	1600.1	8.03
1160.0	2250.1	8.46	2570.0	2580.1	7.62	510.0	1660.1	8.06
1270.0	2360.1	8.46	2650.0	2660.1	7.69	460.0	1710.1	8.07
1390.0	2480.1	8.72	2740.0	2750.1	7.96	400.0	1770.1	8.15
1510.0	2600.1	9.06	2820.0	2830.1	8.23	350.0	1820.1	8.20
1620.0	2710.1	9.22	2910.0	2920.1	8.54	290.0	1880.1	8.29
1740.0	2830.1	9.36	2990.0	3000.1	8.72	240.0	1930.1	8.57
1850.0	2940.1	9.50	3080.0	3090.1	9.24	180.0	1990.1	8.77
1970.0	3060.1	9.67	3160.0	3170.1	9.79	130.0	2040.1	8.56
2080.0	3170.1	9.95	3250.0	3260.1	10.41	70.0	2100.1	8.36
2200.0	3290.1	10.57	3340.0	3350.1	11.31	10.0	2160.1	8.72

Frequency Mixer

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+21	+23	+25	+21	+23	+25
40.1	56.00	55.27	54.58	58.14	58.25	58.03
120.1	40.71	40.63	40.55	43.22	43.63	44.10
200.1	38.95	39.04	39.12	36.68	36.98	37.23
290.1	41.53	41.69	41.84	39.76	39.86	39.97
370.1	45.01	45.20	45.40	42.38	42.40	42.50
460.1	47.87	48.10	48.31	47.08	47.03	46.97
540.1	51.12	51.49	51.87	56.14	55.86	55.84
630.1	55.52	55.86	56.17	59.56	59.54	59.41
710.1	58.68	59.38	60.07	53.15	53.16	53.09
800.1	60.04	60.00	60.04	51.31	51.12	50.95
880.1	63.22	63.65	63.82	51.35	51.11	50.90
970.1	61.22	61.30	61.19	52.16	51.96	51.76
1050.1	59.13	59.28	58.99	52.22	51.99	51.70
1140.1	59.30	59.66	59.89	53.23	53.05	52.96
1220.1	54.80	54.84	54.80	55.17	54.84	54.60
1310.1	53.96	53.67	53.31	59.00	58.62	58.38
1390.1	53.23	52.85	52.40	60.64	59.89	59.27
1480.1	50.22	49.91	49.52	62.85	61.45	59.71
1560.1	49.32	48.85	48.33	67.56	65.75	63.02
1650.1	48.40	47.98	47.44	57.48	58.67	59.90
1730.1	48.39	47.83	47.17	54.92	55.98	57.12
1820.1	45.77	45.66	45.52	53.38	54.23	55.36
1900.1	48.72	48.22	47.72	50.41	51.06	51.86
1990.1	46.34	46.14	45.80	50.14	51.00	52.06
2070.1	47.45	47.03	46.58	51.46	52.22	53.16
2160.1	47.72	47.27	46.69	60.02	62.11	65.22
2240.1	50.98	50.57	50.15	65.71	68.64	71.83
2330.1	47.80	47.30	46.75	62.23	60.98	59.52
2410.1	52.74	52.78	52.82	55.88	55.32	54.67
2500.1	57.33	56.73	55.68	52.97	52.88	52.54
2580.1	51.23	50.96	50.65	49.15	48.94	48.73
2670.1	59.81	57.92	56.13	47.92	47.82	47.66
2750.1	59.02	58.26	58.40	47.31	47.13	47.12
2840.1	52.15	51.30	51.31	45.82	45.56	45.63
2920.1	56.86	56.41	55.15	46.83	46.62	46.84
3010.1	59.24	60.24	62.23	46.00	45.65	45.72
3090.1	57.29	58.78	59.78	46.04	45.62	45.66
3180.1	53.43	54.08	54.31	45.25	44.72	44.67
3260.1	49.64	50.21	50.42	44.01	43.44	43.23
3350.1	47.19	47.66	47.74	42.24	41.78	41.59

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+21	+23	+25
10.1	40.1	24.65	24.55	24.79
90.1	120.1	32.91	32.29	31.34
170.1	200.1	33.84	34.24	34.77
260.1	290.1	45.04	47.55	52.98
340.1	370.1	41.98	41.76	41.30
430.1	460.1	39.71	39.55	39.37
550.1	580.1	38.54	38.05	37.23
600.1	630.1	37.88	37.68	37.57
680.1	710.1	38.05	37.91	37.55
770.1	800.1	36.74	36.82	37.16
850.1	880.1	36.86	37.05	36.63
940.1	970.1	35.73	35.62	35.80
1020.1	1050.1	35.51	35.49	35.41
1110.1	1140.1	34.70	34.67	34.83
1190.1	1220.1	34.92	34.93	35.36
1280.1	1310.1	35.11	34.98	35.31
1360.1	1390.1	35.50	35.44	35.80
1450.1	1480.1	36.20	36.22	36.48
1530.1	1560.1	36.25	36.14	36.24
1620.1	1650.1	35.91	35.85	35.93
1700.1	1730.1	57.12	57.12	57.12
1790.1	1820.1	55.36	55.36	55.36
1870.1	1900.1	51.86	51.86	51.86
1960.1	1990.1	52.06	52.06	52.06
2040.1	2070.1	53.16	53.16	53.16
2130.1	2160.1	65.22	65.22	65.22
2210.1	2240.1	71.83	71.83	71.83
2300.1	2330.1	59.52	59.52	59.52
2380.1	2410.1	54.67	54.67	54.67
2470.1	2500.1	52.54	52.54	52.54
2550.1	2580.1	48.73	48.73	48.73
2640.1	2670.1	47.66	47.66	47.66
2720.1	2750.1	47.12	47.12	47.12
2810.1	2840.1	45.63	45.63	45.63
2890.1	2920.1	46.84	46.84	46.84
2980.1	3010.1	45.72	45.72	45.72
3060.1	3090.1	45.66	45.66	45.66
3150.1	3180.1	44.67	44.67	44.67
3230.1	3260.1	43.23	43.23	43.23
3320.1	3350.1	41.59	41.59	41.59

Frequency Mixer

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Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=2200.1MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+21	+23	+25		+21	+23	+25		+21	+23	+25
10.1	40.1	1.30	1.25	1.24	40.1	4.17	4.16	4.16	10.1	1.45	1.59	1.56
90.1	120.1	1.20	1.25	1.29	120.1	3.67	3.67	3.67	60.1	1.42	1.54	1.63
170.1	200.1	1.37	1.40	1.44	200.1	3.68	3.68	3.67	120.1	1.45	1.55	1.64
260.1	290.1	1.54	1.57	1.61	290.1	3.81	3.81	3.81	170.1	1.56	1.65	1.73
340.1	370.1	1.62	1.65	1.69	370.1	3.91	3.91	3.90	230.1	1.49	1.58	1.66
430.1	460.1	1.67	1.69	1.71	460.1	3.93	3.92	3.90	280.1	1.44	1.52	1.59
550.1	580.1	1.71	1.71	1.72	540.1	3.87	3.85	3.83	340.1	1.43	1.47	1.52
600.1	630.1	1.71	1.70	1.70	630.1	3.77	3.75	3.73	400.1	1.49	1.51	1.54
680.1	710.1	1.75	1.72	1.71	710.1	3.65	3.64	3.61	450.1	1.56	1.55	1.56
770.1	800.1	1.79	1.74	1.71	800.1	3.48	3.47	3.44	510.1	1.59	1.56	1.55
850.1	880.1	1.85	1.78	1.74	880.1	3.32	3.31	3.29	560.1	1.70	1.65	1.62
940.1	970.1	1.93	1.85	1.79	970.1	3.13	3.12	3.10	620.1	1.80	1.73	1.68
1020.1	1050.1	1.98	1.89	1.83	1050.1	2.98	2.97	2.96	680.1	1.86	1.77	1.71
1110.1	1140.1	2.04	1.95	1.88	1140.1	2.82	2.82	2.81	730.1	1.97	1.86	1.79
1190.1	1220.1	2.13	2.04	1.97	1220.1	2.71	2.71	2.70	790.1	2.04	1.92	1.83
1280.1	1310.1	2.25	2.16	2.08	1310.1	2.64	2.63	2.62	840.1	2.17	2.04	1.94
1360.1	1390.1	2.32	2.22	2.14	1390.1	2.61	2.61	2.60	900.1	2.20	2.06	1.96
1450.1	1480.1	2.30	2.21	2.12	1480.1	2.64	2.64	2.63	960.1	2.24	2.09	1.98
1530.1	1560.1	2.20	2.11	2.02	1560.1	2.69	2.69	2.67	1010.1	2.28	2.13	2.01
1620.1	1650.1	2.01	1.93	1.85	1650.1	2.77	2.76	2.74	1070.1	2.31	2.15	2.04
1700.1	1730.1	1.86	1.78	1.71	1730.1	2.83	2.83	2.82	1120.1	2.31	2.16	2.04
1790.1	1820.1	1.74	1.66	1.59	1820.1	2.86	2.85	2.84	1180.1	2.21	2.06	1.95
1870.1	1900.1	1.65	1.58	1.51	1900.1	2.84	2.84	2.83	1230.1	2.21	2.06	1.95
1960.1	1990.1	1.55	1.47	1.41	1990.1	2.78	2.78	2.77	1290.1	2.15	2.01	1.91
2040.1	2070.1	1.48	1.41	1.35	2070.1	2.72	2.72	2.70	1350.1	2.11	1.98	1.88
2130.1	2160.1	1.41	1.33	1.27	2160.1	2.68	2.67	2.65	1400.1	2.07	1.94	1.85
2210.1	2240.1	1.34	1.27	1.21	2240.1	2.64	2.63	2.60	1460.1	1.94	1.82	1.73
2300.1	2330.1	1.30	1.24	1.19	2330.1	2.62	2.61	2.58	1510.1	1.90	1.79	1.71
2380.1	2410.1	1.28	1.23	1.20	2410.1	2.61	2.59	2.56	1570.1	1.83	1.73	1.66
2470.1	2500.1	1.27	1.23	1.21	2500.1	2.60	2.57	2.53	1650.1	1.68	1.59	1.53
2550.1	2580.1	1.22	1.19	1.19	2580.1	2.63	2.61	2.59	1680.1	1.67	1.58	1.52
2640.1	2670.1	1.16	1.15	1.18	2670.1	2.65	2.63	2.61	1740.1	1.56	1.48	1.43
2720.1	2750.1	1.09	1.12	1.18	2750.1	2.66	2.65	2.63	1790.1	1.52	1.45	1.40
2810.1	2840.1	1.11	1.19	1.26	2840.1	2.66	2.64	2.62	1850.1	1.44	1.38	1.35
2890.1	2920.1	1.18	1.26	1.34	2920.1	2.62	2.59	2.54	1910.1	1.35	1.30	1.26
2980.1	3010.1	1.32	1.40	1.48	3010.1	2.60	2.56	2.51	1960.1	1.28	1.25	1.23
3060.1	3090.1	1.41	1.51	1.60	3090.1	2.58	2.54	2.49	2020.1	1.24	1.23	1.23
3150.1	3180.1	1.56	1.66	1.75	3180.1	2.55	2.53	2.49	2070.1	1.22	1.22	1.24
3230.1	3260.1	1.67	1.77	1.86	3260.1	2.53	2.53	2.51	2130.1	1.17	1.20	1.24
3320.1	3350.1	1.79	1.88	1.99	3350.1	2.52	2.51	2.51	2190.1	1.17	1.24	1.30

Frequency Mixer

LAVI-ED12954A/1

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	19.54	38.03	25.87	21.06	40.01	38.15	38.45	50.35	51.58	51.74
1	---	25.32	---	38.05	12.17	35.02	34.02	49.62	51.02	56.65	48.52	56.44
2	93.00	47.01	79.36	44.55	64.77	46.53	59.39	49.24	68.00	57.29	70.68	63.34
3	118.69	105.07	88.20	98.13	82.46	97.65	79.81	94.12	82.80	98.79	87.56	99.44
4	120.52	115.90	114.90	116.05	113.54	105.19	116.45	117.00	115.33	113.88	115.11	113.79
5	120.90	115.39	114.57	115.52	116.65	117.76	104.31	116.74	112.67	115.34	116.96	113.02
6	120.75	115.37	113.57	114.81	112.81	117.30	116.42	111.20	117.55	115.74	115.69	113.73
7	120.30	116.44	115.33	116.19	116.32	113.88	115.59	117.94	116.24	114.18	114.55	115.44
8	118.79	115.58	116.46	115.40	114.53	115.76	115.88	115.85	115.04	111.92	115.92	116.10
9	120.45	114.78	115.45	114.68	116.15	116.30	116.19	115.16	115.53	116.71	114.86	115.50
10	119.03	114.98	114.52	112.86	115.76	115.76	112.57	113.72	114.46	117.69	114.18	117.36
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1090 MHz; 0 dBm.

LO IN: 1120 MHz; +23.00 dBm

IF OUT: 30 MHz; - 7.26 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	27.42	48.17	36.67	30.81	51.05	46.98	49.10	60.10	62.80	58.80
1	---	26.53	---	40.91	12.20	36.48	33.20	49.90	49.13	56.22	50.93	58.56
2	73.12	36.78	67.60	34.92	55.27	36.98	50.23	39.63	59.83	47.78	62.69	53.70
3	96.44	84.47	64.52	78.27	62.18	78.86	61.11	74.86	62.40	80.78	66.58	80.62
4	120.15	81.08	91.03	82.76	92.08	82.38	98.63	88.92	95.25	84.65	107.46	83.76
5	117.92	108.33	97.54	103.81	89.23	105.36	96.95	115.08	87.75	102.18	91.25	123.77
6	118.85	111.21	121.00	103.18	112.81	103.24	111.04	102.64	108.62	106.16	111.12	118.59
7	120.93	123.01	116.92	123.60	114.22	120.78	109.80	115.35	109.85	113.07	105.50	117.48
8	120.75	125.55	126.07	125.86	122.38	119.68	124.47	123.27	117.07	114.67	123.10	114.18
9	117.18	125.96	125.17	125.77	125.28	123.46	122.92	123.36	124.25	117.11	122.36	117.15
10	118.48	123.80	123.37	121.72	124.62	124.40	122.73	124.16	117.92	125.11	115.05	124.85
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1090 MHz; 10 dBm.

LO IN: 1120 MHz; +23.00 dBm

IF OUT: 30 MHz; 2.67 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