

Frequency Mixer

HJK-1651H+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=90MHz (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)		
		+15	+17	+19			+15	+17	+19			+15	+17	+19
1110.0	1200.0	8.68	8.24	7.91	1110.0	1200.0	17.28	19.64	22.48	1110.0	1200.0	4.57	3.58	2.59
1140.0	1230.0	8.54	8.14	7.83	1140.0	1230.0	17.92	20.44	23.53	1140.0	1230.0	4.19	3.18	2.25
1170.0	1260.0	8.29	7.93	7.67	1170.0	1260.0	18.96	21.83	25.03	1170.0	1260.0	3.69	2.72	1.89
1200.0	1290.0	8.18	7.85	7.60	1200.0	1290.0	19.88	22.97	26.23	1200.0	1290.0	3.38	2.46	1.68
1230.0	1320.0	8.09	7.77	7.53	1230.0	1320.0	20.66	24.02	27.05	1230.0	1320.0	3.05	2.18	1.47
1260.0	1350.0	7.92	7.65	7.44	1260.0	1350.0	22.46	25.77	27.47	1260.0	1350.0	2.55	1.77	1.15
1290.0	1380.0	7.78	7.53	7.34	1290.0	1380.0	24.01	26.35	27.62	1290.0	1380.0	2.16	1.47	0.93
1320.0	1410.0	7.66	7.41	7.23	1320.0	1410.0	24.88	26.65	28.04	1320.0	1410.0	1.94	1.33	0.82
1350.0	1440.0	7.51	7.30	7.13	1350.0	1440.0	25.98	26.99	29.28	1350.0	1440.0	1.56	1.02	0.61
1380.0	1470.0	7.49	7.30	7.15	1380.0	1470.0	26.42	27.87	30.81	1380.0	1470.0	1.28	0.81	0.48
1410.0	1500.0	7.39	7.21	7.07	1410.0	1500.0	27.23	29.16	32.57	1410.0	1500.0	1.12	0.69	0.41
1440.0	1530.0	7.24	7.08	6.97	1440.0	1530.0	28.78	31.71	35.03	1440.0	1530.0	0.92	0.56	0.33
1470.0	1560.0	7.15	7.00	6.87	1470.0	1560.0	29.57	32.77	35.65	1470.0	1560.0	0.89	0.54	0.33
1500.0	1590.0	7.17	7.01	6.89	1500.0	1590.0	29.53	32.76	35.05	1500.0	1590.0	0.80	0.50	0.31
1537.0	1627.0	7.40	7.27	7.16	1537.0	1627.0	31.88	35.30	36.05	1537.0	1627.0	0.67	0.39	0.23
1539.0	1629.0	7.41	7.28	7.17	1539.0	1629.0	32.03	34.98	35.89	1539.0	1629.0	0.67	0.38	0.23
1542.0	1632.0	7.41	7.28	7.17	1542.0	1632.0	32.02	35.59	36.15	1542.0	1632.0	0.67	0.38	0.22
1545.0	1635.0	7.41	7.28	7.17	1545.0	1635.0	31.64	35.26	36.42	1545.0	1635.0	0.68	0.39	0.23
1590.0	1680.0	7.37	7.24	7.13	1590.0	1680.0	29.66	33.05	35.74	1590.0	1680.0	0.79	0.48	0.30
1635.0	1725.0	7.48	7.33	7.20	1635.0	1725.0	28.77	31.57	34.38	1635.0	1725.0	0.99	0.61	0.39
1695.0	1785.0	7.67	7.48	7.33	1695.0	1785.0	27.47	30.20	33.32	1695.0	1785.0	1.18	0.72	0.45
1740.0	1830.0	7.80	7.60	7.42	1740.0	1830.0	26.41	28.88	31.84	1740.0	1830.0	1.52	0.93	0.57
1785.0	1875.0	8.00	7.79	7.61	1785.0	1875.0	25.88	28.16	30.75	1785.0	1875.0	1.58	0.98	0.57
1830.0	1920.0	8.01	7.77	7.57	1830.0	1920.0	24.47	26.61	29.07	1830.0	1920.0	2.06	1.33	0.77
1875.0	1965.0	8.14	7.90	7.70	1875.0	1965.0	24.23	26.31	28.50	1875.0	1965.0	1.99	1.28	0.76
1920.0	2010.0	8.27	8.00	7.77	1920.0	2010.0	23.18	25.26	27.60	1920.0	2010.0	2.40	1.63	1.00
1965.0	2055.0	8.22	7.93	7.70	1965.0	2055.0	22.99	25.27	27.58	1965.0	2055.0	2.44	1.63	1.02
2010.0	2100.0	8.47	8.15	7.90	2010.0	2100.0	22.25	24.62	26.97	2010.0	2100.0	2.68	1.81	1.19
2055.0	2145.0	8.41	8.07	7.81	2055.0	2145.0	22.09	24.58	26.93	2055.0	2145.0	2.72	1.82	1.20
2100.0	2190.0	8.60	8.22	7.92	2100.0	2190.0	21.61	23.87	26.47	2100.0	2190.0	2.83	2.02	1.31
2145.0	2235.0	8.53	8.19	7.88	2145.0	2235.0	21.48	23.75	26.41	2145.0	2235.0	2.90	2.04	1.32
2190.0	2280.0	8.62	8.25	7.91	2190.0	2280.0	20.92	23.11	25.69	2190.0	2280.0	2.94	2.07	1.35
2235.0	2325.0	8.57	8.20	7.85	2235.0	2325.0	20.73	22.89	25.47	2235.0	2325.0	2.84	2.03	1.32
2280.0	2370.0	8.74	8.31	7.99	2280.0	2370.0	20.73	22.94	25.20	2280.0	2370.0	2.78	1.94	1.30
2325.0	2415.0	8.79	8.36	8.03	2325.0	2415.0	19.86	22.07	24.29	2325.0	2415.0	3.11	2.16	1.48
2370.0	2460.0	8.75	8.31	7.98	2370.0	2460.0	20.09	22.31	24.48	2370.0	2460.0	3.08	2.14	1.46
2415.0	2505.0	8.95	8.51	8.17	2415.0	2505.0	19.43	21.56	23.76	2415.0	2505.0	3.31	2.34	1.58
2460.0	2550.0	8.84	8.39	8.05	2460.0	2550.0	19.96	22.00	24.15	2460.0	2550.0	3.01	2.14	1.44
2505.0	2595.0	8.99	8.59	8.23	2505.0	2595.0	19.34	21.31	23.33	2505.0	2595.0	3.11	2.20	1.46
2565.0	2655.0	8.88	8.49	8.14	2565.0	2655.0	19.87	21.72	23.83	2565.0	2655.0	2.99	2.09	1.37

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1540.6MHz (dB)
		@LO (dBm)
		+17
580.6	960.0	9.60
555.6	985.0	9.44
525.6	1015.0	9.26
495.6	1045.0	9.08
465.6	1075.0	9.05
435.6	1105.0	8.92
405.6	1135.0	8.78
380.6	1160.0	8.61
350.6	1190.0	8.58
320.6	1220.0	8.45
290.6	1250.0	8.29
260.6	1280.0	8.14
230.6	1310.0	8.04
200.6	1340.0	7.89
175.6	1365.0	7.76
145.6	1395.0	7.70
115.6	1425.0	7.56
85.6	1455.0	7.42
55.6	1485.0	7.37
25.6	1515.0	7.26
14.4	1555.0	7.32
64.4	1605.0	7.14
114.4	1655.0	7.36
164.4	1705.0	7.31
214.4	1755.0	7.37
264.4	1805.0	7.48
324.4	1865.0	7.64
374.4	1915.0	7.84
424.4	1965.0	7.89
474.4	2015.0	8.03
524.4	2065.0	8.01
574.4	2115.0	8.09
634.4	2175.0	8.03
684.4	2225.0	8.06
734.4	2275.0	7.94
784.4	2325.0	8.05
834.4	2375.0	8.03
894.4	2435.0	8.04
944.4	2485.0	8.19
994.4	2535.0	8.24

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1537MHz (dB)
		@LO (dBm)
		+17
13.0	1550.0	7.44
33.0	1570.0	7.25
63.0	1600.0	7.14
83.0	1620.0	7.24
113.0	1650.0	7.38
143.0	1680.0	7.35
163.0	1700.0	7.33
193.0	1730.0	7.35
213.0	1750.0	7.39
243.0	1780.0	7.43
273.0	1810.0	7.53
293.0	1830.0	7.58
323.0	1860.0	7.66
353.0	1890.0	7.74
373.0	1910.0	7.84
403.0	1940.0	7.89
423.0	1960.0	7.90
453.0	1990.0	7.96
483.0	2020.0	8.07
503.0	2040.0	7.97
533.0	2070.0	8.02
553.0	2090.0	8.05
583.0	2120.0	8.10
613.0	2150.0	8.04
633.0	2170.0	8.04
663.0	2200.0	8.10
693.0	2230.0	8.05
713.0	2250.0	8.00
743.0	2280.0	7.97
763.0	2300.0	8.01
793.0	2330.0	8.05
823.0	2360.0	7.99
843.0	2380.0	8.08
873.0	2410.0	8.13
893.0	2430.0	8.08
923.0	2460.0	8.07
953.0	2490.0	8.21
973.0	2510.0	8.26
1003.0	2540.0	8.25
1033.0	2570.0	8.36

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1544.2MHz (dB)
		@LO (dBm)
		+17
564.2	980.0	9.46
554.2	990.0	9.39
539.2	1005.0	9.29
529.2	1015.0	9.24
514.2	1030.0	9.10
504.2	1040.0	9.08
489.2	1055.0	9.02
474.2	1070.0	9.06
464.2	1080.0	9.00
449.2	1095.0	8.94
439.2	1105.0	8.89
424.2	1120.0	8.81
409.2	1135.0	8.76
399.2	1145.0	8.71
384.2	1160.0	8.67
374.2	1170.0	8.52
359.2	1185.0	8.58
344.2	1200.0	8.53
334.3	1209.9	8.50
316.6	1227.6	8.39
304.8	1239.4	8.31
287.2	1257.0	8.21
275.4	1268.8	8.15
257.7	1286.5	8.10
240.0	1304.2	8.06
228.2	1316.0	8.00
210.6	1333.6	7.89
198.8	1345.4	7.84
181.1	1363.1	7.73
163.4	1380.8	7.69
151.6	1392.6	7.68
134.0	1410.3	7.62
122.2	1422.0	7.55
104.5	1439.7	7.48
86.8	1457.4	7.40
75.0	1469.2	7.37
57.3	1486.9	7.34
45.6	1498.6	7.30
27.9	1516.3	7.23
10.2	1534.0	7.50

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+15	+17	+19	+15	+17	+19
1200.0	49.53	50.49	51.27	38.11	38.45	38.76
1230.0	50.81	51.88	52.66	37.74	38.08	38.39
1260.0	50.07	51.29	52.33	37.00	37.32	37.59
1290.0	49.11	50.22	51.17	36.65	36.92	37.18
1320.0	51.89	53.03	53.90	36.06	36.30	36.53
1350.0	51.27	52.63	53.87	35.05	35.21	35.38
1380.0	50.06	51.27	52.35	34.51	34.70	34.88
1410.0	48.73	49.96	51.16	33.98	34.12	34.27
1440.0	51.08	52.42	53.75	32.98	33.12	33.26
1470.0	50.77	51.93	53.02	32.69	32.84	33.00
1500.0	48.28	49.09	49.81	32.21	32.35	32.50
1530.0	46.50	47.17	47.74	31.55	31.70	31.87
1560.0	46.86	47.55	48.16	31.67	31.83	32.00
1590.0	46.26	46.48	46.68	31.74	31.92	32.13
1627.0	44.84	45.34	45.76	31.94	32.13	32.32
1629.0	44.78	45.29	45.72	31.99	32.18	32.38
1632.0	44.66	45.18	45.63	32.07	32.27	32.48
1635.0	44.53	45.04	45.50	32.17	32.38	32.59
1680.0	44.18	44.81	45.35	33.49	33.72	33.96
1725.0	44.82	45.43	45.99	34.97	35.26	35.54
1785.0	43.95	44.58	45.17	37.08	37.42	37.71
1830.0	45.78	46.40	46.99	38.94	39.32	39.66
1875.0	46.61	47.08	47.55	39.95	40.39	40.80
1920.0	46.68	47.15	47.64	41.53	42.04	42.53
1965.0	47.00	47.64	48.29	42.34	42.97	43.57
2010.0	49.45	50.04	50.68	43.46	44.19	44.94
2055.0	49.11	49.57	50.09	43.98	44.82	45.69
2100.0	51.82	52.25	52.68	43.98	44.82	45.70
2145.0	51.23	51.48	51.70	44.07	45.00	45.96
2190.0	51.38	51.48	51.50	44.14	45.20	46.30
2235.0	54.32	54.64	54.69	43.54	44.56	45.65
2280.0	53.41	54.14	54.68	43.11	44.07	45.12
2325.0	52.44	52.65	52.71	42.51	43.35	44.24
2370.0	57.31	59.08	60.76	39.49	39.76	40.06
2415.0	50.75	51.00	51.19	36.49	36.64	36.86
2460.0	51.75	51.83	51.74	38.55	38.92	39.31
2505.0	57.48	58.37	58.29	40.03	40.55	41.09
2550.0	51.42	51.91	52.16	39.81	40.43	41.05
2595.0	50.77	50.54	50.17	40.00	40.60	41.24
2655.0	53.67	54.71	55.20	39.19	39.71	40.30

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+15	+17	+19
1110.0	1200.0	34.55	34.64	34.50
1140.0	1230.0	35.66	36.14	36.42
1170.0	1260.0	35.86	36.43	36.85
1200.0	1290.0	35.42	35.70	35.82
1230.0	1320.0	35.64	36.11	36.38
1260.0	1350.0	35.68	36.03	36.31
1290.0	1380.0	35.55	35.74	35.75
1320.0	1410.0	35.57	35.99	36.25
1350.0	1440.0	35.23	35.65	35.90
1380.0	1470.0	35.42	35.71	35.99
1410.0	1500.0	35.26	35.67	36.00
1440.0	1530.0	34.98	35.33	35.59
1470.0	1560.0	35.08	35.37	35.57
1500.0	1590.0	34.94	35.20	35.36
1537.0	1627.0	35.73	36.28	36.80
1539.0	1629.0	35.80	36.38	36.99
1542.0	1632.0	35.93	36.55	37.15
1545.0	1635.0	36.05	36.66	37.24
1590.0	1680.0	35.32	35.70	36.03
1635.0	1725.0	35.14	35.40	35.59
1695.0	1785.0	35.52	35.81	35.96
1740.0	1830.0	35.75	36.06	36.33
1785.0	1875.0	36.14	36.39	36.57
1830.0	1920.0	36.39	36.72	36.92
1875.0	1965.0	37.13	37.37	37.55
1920.0	2010.0	37.42	37.73	38.00
1965.0	2055.0	37.08	37.36	37.55
2010.0	2100.0	37.21	37.28	37.28
2055.0	2145.0	36.25	36.26	36.12
2100.0	2190.0	36.34	36.27	36.12
2145.0	2235.0	35.79	35.75	35.70
2190.0	2280.0	35.12	35.01	34.83
2235.0	2325.0	34.43	34.27	34.09
2280.0	2370.0	34.00	33.95	33.91
2325.0	2415.0	33.17	33.15	33.25
2370.0	2460.0	33.61	33.49	33.41
2415.0	2505.0	34.44	34.21	34.02
2460.0	2550.0	34.27	34.11	33.99
2505.0	2595.0	34.02	33.79	33.62
2565.0	2655.0	33.67	33.56	33.52

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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=1634MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+15	+17	+19		+15	+17	+19		+15	+17	+19
1110.0	1200.0	1.82	1.65	1.50	1200.0	2.78	2.77	2.77	10.0	1.39	1.32	1.23
1140.0	1230.0	1.77	1.60	1.47	1230.0	2.74	2.73	2.73	20.0	1.44	1.35	1.28
1170.0	1260.0	1.71	1.55	1.43	1260.0	2.69	2.69	2.68	35.0	1.44	1.34	1.28
1200.0	1290.0	1.70	1.55	1.44	1290.0	2.64	2.63	2.62	45.0	1.42	1.34	1.26
1230.0	1320.0	1.70	1.55	1.44	1320.0	2.59	2.58	2.58	60.0	1.45	1.35	1.28
1260.0	1350.0	1.64	1.52	1.42	1350.0	2.52	2.52	2.51	75.0	1.45	1.35	1.27
1290.0	1380.0	1.61	1.50	1.40	1380.0	2.45	2.44	2.43	90.0	1.43	1.33	1.26
1320.0	1410.0	1.60	1.49	1.40	1410.0	2.36	2.35	2.34	100.0	1.43	1.34	1.26
1350.0	1440.0	1.57	1.46	1.38	1440.0	2.26	2.24	2.23	110.0	1.44	1.35	1.28
1380.0	1470.0	1.53	1.44	1.36	1470.0	2.13	2.11	2.10	125.0	1.43	1.34	1.27
1410.0	1500.0	1.51	1.42	1.34	1500.0	1.98	1.97	1.95	140.0	1.42	1.33	1.26
1440.0	1530.0	1.48	1.39	1.33	1530.0	1.81	1.79	1.77	150.0	1.43	1.34	1.28
1470.0	1560.0	1.47	1.40	1.33	1560.0	1.63	1.60	1.58	165.0	1.43	1.35	1.28
1500.0	1590.0	1.46	1.38	1.32	1590.0	1.45	1.43	1.41	180.0	1.41	1.33	1.26
1537.0	1627.0	1.46	1.39	1.34	1627.0	1.29	1.28	1.27	190.0	1.41	1.33	1.27
1539.0	1629.0	1.46	1.39	1.34	1629.0	1.29	1.28	1.27	205.0	1.43	1.35	1.29
1542.0	1632.0	1.46	1.40	1.34	1632.0	1.28	1.27	1.26	215.0	1.43	1.35	1.28
1545.0	1635.0	1.47	1.41	1.35	1635.0	1.28	1.27	1.26	230.0	1.41	1.33	1.27
1590.0	1680.0	1.46	1.39	1.34	1680.0	1.30	1.31	1.32	245.0	1.42	1.35	1.29
1635.0	1725.0	1.47	1.41	1.35	1725.0	1.45	1.46	1.47	255.0	1.43	1.35	1.30
1695.0	1785.0	1.47	1.40	1.34	1785.0	1.65	1.66	1.68	270.0	1.42	1.35	1.29
1740.0	1830.0	1.48	1.41	1.35	1830.0	1.77	1.78	1.79	280.0	1.42	1.35	1.30
1785.0	1875.0	1.48	1.40	1.34	1875.0	1.88	1.89	1.89	295.0	1.44	1.37	1.32
1830.0	1920.0	1.48	1.40	1.33	1920.0	1.95	1.96	1.96	310.0	1.42	1.35	1.30
1875.0	1965.0	1.46	1.38	1.31	1965.0	2.02	2.03	2.03	320.0	1.41	1.34	1.29
1920.0	2010.0	1.46	1.37	1.30	2010.0	2.07	2.07	2.07	335.0	1.41	1.35	1.30
1965.0	2055.0	1.45	1.36	1.28	2055.0	2.11	2.12	2.12	350.0	1.43	1.36	1.31
2010.0	2100.0	1.44	1.35	1.26	2100.0	2.15	2.15	2.15	360.0	1.43	1.36	1.31
2055.0	2145.0	1.41	1.32	1.23	2145.0	2.18	2.18	2.18	375.0	1.44	1.38	1.33
2100.0	2190.0	1.42	1.32	1.23	2190.0	2.20	2.20	2.20	385.0	1.45	1.39	1.35
2145.0	2235.0	1.39	1.29	1.20	2235.0	2.22	2.22	2.22	400.0	1.44	1.37	1.33
2190.0	2280.0	1.40	1.29	1.20	2280.0	2.23	2.23	2.23	415.0	1.40	1.35	1.31
2235.0	2325.0	1.37	1.26	1.17	2325.0	2.24	2.24	2.24	425.0	1.41	1.35	1.32
2280.0	2370.0	1.34	1.25	1.15	2370.0	2.25	2.25	2.24	440.0	1.41	1.36	1.32
2325.0	2415.0	1.34	1.24	1.14	2415.0	2.24	2.24	2.24	450.0	1.40	1.35	1.31
2370.0	2460.0	1.30	1.21	1.12	2460.0	2.25	2.25	2.24	465.0	1.40	1.36	1.33
2415.0	2505.0	1.31	1.21	1.13	2505.0	2.23	2.23	2.22	480.0	1.44	1.39	1.36
2460.0	2550.0	1.27	1.18	1.12	2550.0	2.23	2.23	2.23	490.0	1.43	1.38	1.34
2505.0	2595.0	1.28	1.19	1.14	2595.0	2.21	2.21	2.20	505.0	1.38	1.33	1.31
2565.0	2655.0	1.22	1.15	1.14	2655.0	2.20	2.19	2.19	520.0	1.38	1.34	1.32

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	----	----	6.22	17.48	19.13	33.08	34.55	37.94	42.95	45.48	----	----
1	----	29.02	----	31.06	17.12	37.02	34.02	47.00	39.75	51.52	47.88	----
2	96.55	64.42	64.05	64.15	64.24	68.29	67.56	66.90	72.59	74.77	73.98	75.87
3	123.82	91.26	82.34	83.46	78.07	90.67	81.75	104.46	93.53	100.56	90.63	101.61
4	123.81	105.31	96.85	99.83	87.60	95.49	91.31	102.62	95.68	107.24	101.41	106.47
5	122.83	113.33	111.45	112.46	103.59	112.81	103.12	112.71	110.45	114.26	112.64	111.42
6	124.25	113.67	113.71	114.18	113.67	112.28	112.61	113.11	111.83	113.36	113.97	113.84
7	121.94	112.40	112.92	111.70	111.55	112.05	112.60	112.52	115.19	112.47	110.79	112.50
8	122.79	110.49	113.39	112.91	113.44	110.77	113.65	110.80	113.79	113.74	113.37	112.90
9	119.19	----	113.22	113.25	113.45	112.25	111.62	113.25	112.71	114.44	114.55	111.08
10	119.95	----	----	113.45	112.61	112.83	112.00	112.52	112.48	113.13	114.80	113.00
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1540.6 MHz; 0 dBm.
LO IN: 1630.6 MHz; +17.00 dBm
IF OUT: 90 MHz; -7.14 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	----	----	16.79	27.29	29.25	41.39	45.62	48.56	75.08	59.74	----	----
1	----	28.98	----	30.65	17.15	37.47	34.81	47.76	40.02	63.02	49.46	----
2	87.12	53.12	50.40	52.58	52.33	56.93	58.20	57.02	67.81	65.62	66.63	70.91
3	112.25	67.64	59.34	76.28	53.42	66.54	58.18	74.46	67.75	83.29	68.96	85.85
4	114.08	83.85	81.20	96.25	76.49	82.92	77.96	89.70	84.55	91.60	86.39	83.72
5	111.51	92.09	87.86	89.63	79.34	83.64	75.30	83.93	82.06	91.90	90.51	105.68
6	113.67	100.97	96.61	96.74	91.30	92.48	79.73	89.25	85.09	97.28	89.88	103.24
7	114.45	102.57	99.46	101.94	98.37	97.13	89.15	89.52	85.76	92.95	93.08	103.29
8	113.62	116.34	104.55	110.95	107.25	105.57	104.08	99.09	90.81	95.67	95.98	105.02
9	109.74	----	112.84	115.56	118.14	116.74	113.54	115.04	107.98	105.18	101.94	111.46
10	110.68	----	----	120.58	116.17	120.28	119.49	117.62	112.97	113.24	104.48	107.72
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1540.6 MHz; +10 dBm.
LO IN: 1630.6 MHz; +17.00 dBm
IF OUT: 90 MHz; 2.86 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.