Frequency Mixer HJK-ED9468/2

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=125MHz (dB) @LO (dBm)		
		+4	+7	+10
1431.1	1306.1	13.27	10.45	8.56
1451.1	1326.1	12.83	10.20	8.32
1471.1	1346.1	12.34	9.69	8.13
1491.1	1366.1	12.90	10.24	8.54
1511.1	1386.1	12.22	9.74	8.25
1531.1	1406.1	11.39	9.11	7.83
1551.1	1426.1	10.44	8.43	7.63
1571.1	1446.1	9.82	8.25	7.67
1591.1	1466.1	9.43	8.15	7.63
1611.1	1486.1	9.22	8.00	7.56
1631.1	1506.1	8.88	7.87	7.48
1651.1	1526.1	8.56	7.70	7.40
1671.1	1546.1	8.33	7.62	7.38
1691.1	1566.1	8.16	7.54	7.36
1711.1	1586.1	7.92	7.42	7.29
1731.1	1606.1	7.70	7.35	7.29
1751.1	1626.1	7.62	7.34	7.32
1761.1	1636.1	7.62	7.32	7.28
1781.1	1656.1	7.66	7.37	7.33
1791.1	1666.1	7.67	7.35	7.29
1811.1	1686.1	7.70	7.39	7.35
1821.1	1696.1	7.76	7.38	7.31
1841.1	1716.1	7.98	7.46	7.33
1851.1	1726.1	8.16	7.51	7.31
1871.1	1746.1	8.43	7.67	7.37
1881.1	1756.1	8.59	7.72	7.38
1901.1	1776.1	8.82	7.86	7.45
1911.1	1786.1	9.02	7.94	7.47
1931.1	1806.1	9.51	8.21	7.57
1941.1	1816.1	9.83	8.37	7.62
1961.1	1836.1	10.24	8.64	7.77
1971.1	1846.1	10.39	8.73	7.82
1991.1	1866.1	10.72	8.91	7.90
2001.1	1876.1	10.91	9.11	7.97
2021.1	1896.1	11.51	9.53	8.23
2031.1	1906.1	11.78	9.72	8.35
2051.1	1926.1	12.12	10.00	8.52
2061.1	1936.1	12.22	10.06	8.56
2081.1	1956.1	12.40	10.24	8.68
2091.1	1966.1	12.46	10.39	8.77

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm) @LO (dBm)		
		+4	+7	+10
1431.1	1306.1	11.58	16.51	17.91
1451.1	1326.1	12.32	17.84	18.00
1471.1	1346.1	13.62	20.10	19.53
1491.1	1366.1	12.72	23.36	20.59
1511.1	1386.1	14.06	29.08	21.56
1531.1	1406.1	16.13	22.44	21.34
1551.1	1426.1	19.69	20.75	23.57
1571.1	1446.1	21.69	21.41	25.17
1591.1	1466.1	20.98	21.45	24.60
1611.1	1486.1	20.65	21.51	24.75
1631.1	1506.1	18.97	20.97	24.71
1651.1	1526.1	19.06	21.17	24.62
1671.1	1546.1	17.91	20.72	24.65
1691.1	1566.1	17.84	20.77	25.05
1711.1	1586.1	17.35	20.58	25.26
1731.1	1606.1	18.10	21.29	25.92
1751.1	1626.1	18.01	21.27	25.77
1761.1	1636.1	18.27	21.34	25.61
1781.1	1656.1	18.06	20.88	24.95
1791.1	1666.1	18.19	21.03	24.72
1811.1	1686.1	17.92	20.62	23.94
1821.1	1696.1	17.72	20.35	23.40
1841.1	1716.1	17.24	19.73	22.50
1851.1	1726.1	16.95	19.33	22.01
1871.1	1746.1	17.17	19.19	21.65
1881.1	1756.1	17.15	19.11	21.54
1901.1	1776.1	17.35	18.62	21.06
1911.1	1786.1	17.57	18.36	20.91
1931.1	1806.1	17.65	17.74	19.98
1941.1	1816.1	17.67	17.71	19.83
1961.1	1836.1	16.90	17.80	19.25
1971.1	1846.1	16.52	17.76	19.07
1991.1	1866.1	15.60	18.15	18.97
2001.1	1876.1	14.89	18.00	18.58
2021.1	1896.1	13.39	18.22	18.30
2031.1	1906.1	12.82	17.72	18.10
2051.1	1926.1	12.18	17.15	18.11
2061.1	1936.1	12.11	16.98	18.08
2081.1	1956.1	11.64	16.44	18.33
2091.1	1966.1	11.49	15.85	18.26

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+14dBm (dB) @LO (dBm)		
		+4	+7	+10
1431.1	1306.1	2.56	2.67	2.24
1451.1	1326.1	1.06	1.59	1.68
1471.1	1346.1	-0.10	0.83	1.15
1491.1	1366.1	-0.75	0.37	0.84
1511.1	1386.1	-0.66	0.36	0.69
1531.1	1406.1	-0.34	0.56	0.76
1551.1	1426.1	0.13	0.81	0.68
1571.1	1446.1	0.34	0.79	0.55
1591.1	1466.1	0.46	0.77	0.52
1611.1	1486.1	0.54	0.77	0.52
1631.1	1506.1	0.63	0.75	0.47
1651.1	1526.1	0.70	0.69	0.44
1671.1	1546.1	0.78	0.67	0.40
1691.1	1566.1	0.87	0.67	0.38
1711.1	1586.1	0.93	0.64	0.32
1731.1	1606.1	0.98	0.60	0.27
1751.1	1626.1	1.03	0.59	0.25
1761.1	1636.1	1.04	0.61	0.26
1781.1	1656.1	1.09	0.66	0.27
1791.1	1666.1	1.09	0.65	0.28
1811.1	1686.1	1.24	0.74	0.31
1821.1	1696.1	1.31	0.81	0.37
1841.1	1716.1	1.52	1.00	0.52
1851.1	1726.1	1.58	1.06	0.59
1871.1	1746.1	1.62	1.18	0.72
1881.1	1756.1	1.62	1.18	0.75
1901.1	1776.1	1.77	1.32	0.86
1911.1	1786.1	1.83	1.38	0.92
1931.1	1806.1	1.90	1.52	1.05
1941.1	1816.1	1.86	1.55	1.07
1961.1	1836.1	1.75	1.52	1.12
1971.1	1846.1	1.71	1.51	1.12
1991.1	1866.1	1.76	1.58	1.17
2001.1	1876.1	1.84	1.64	1.22
2021.1	1896.1	1.87	1.72	1.35
2031.1	1906.1	1.86	1.70	1.40
2051.1	1926.1	1.72	1.60	1.34
2061.1	1936.1	1.57	1.59	1.33
2081.1	1956.1	1.71	1.58	1.34
2091.1	1966.1	1.80	1.66	1.42

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1700MHz (dB)
		@LO (dBm)
		+7
310.0	1390.0	9.99
294.2	1405.8	9.31
278.4	1421.6	8.68
262.6	1437.4	8.42
246.8	1453.2	8.23
231.1	1468.9	8.14
215.3	1484.7	8.04
199.5	1500.5	7.98
183.7	1516.3	7.86
167.9	1532.1	7.72
152.1	1547.9	7.64
136.3	1563.7	7.55
120.5	1579.5	7.45
104.7	1595.3	7.38
88.9	1611.1	7.32
73.2	1626.8	7.28
57.4	1642.6	7.25
41.6	1658.4	7.23
25.8	1674.2	7.20
10.0	1690.0	7.46
10.0	1710.0	7.56
19.5	1719.5	7.40
28.9	1728.9	7.49
38.4	1738.4	7.57
47.9	1747.9	7.66
57.4	1757.4	7.72
66.8	1766.8	7.84
76.3	1776.3	7.95
85.8	1785.8	8.09
95.3	1795.3	8.26
104.7	1804.7	8.45
114.2	1814.2	8.66
123.7	1823.7	8.80
133.2	1833.2	8.99
142.6	1842.6	9.10
152.1	1852.1	9.21
161.6	1861.6	9.37
171.1	1871.1	9.56
180.5	1880.5	9.87
190.0	1890.0	10.22

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1500.9MHz (dB)
		@LO (dBm)
		+7
10.1	1511.0	8.02
18.8	1519.7	7.72
27.5	1528.4	7.64
36.3	1537.2	7.56
45.0	1545.9	7.53
53.7	1554.6	7.50
62.4	1563.3	7.46
71.1	1572.0	7.44
79.8	1580.7	7.40
88.6	1589.5	7.35
97.3	1598.2	7.32
106.0	1606.9	7.26
114.7	1615.6	7.25
123.4	1624.3	7.22
132.2	1633.1	7.23
140.9	1641.8	7.25
149.6	1650.5	7.26
158.3	1659.2	7.26
167.0	1667.9	7.29
175.7	1676.6	7.31
184.5	1685.4	7.38
193.2	1694.1	7.43
201.9	1702.8	7.51
210.6	1711.5	7.64
219.3	1720.2	7.75
228.0	1728.9	7.88
236.8	1737.7	7.98
245.5	1746.4	8.09
254.2	1755.1	8.21
262.9	1763.8	8.32
271.6	1772.5	8.50
280.4	1781.3	8.68
289.1	1790.0	8.86
297.8	1798.7	9.10
306.5	1807.4	9.36
315.2	1816.1	9.60
323.9	1824.8	9.82
332.7	1833.6	9.96
341.4	1842.3	10.10
350.1	1851.0	10.33

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1898.1MHz (dB)
		@LO (dBm)
		+7
510.1	1388.0	10.20
497.3	1400.8	9.97
484.5	1413.6	9.34
471.6	1426.5	9.07
458.8	1439.3	8.84
446.0	1452.1	8.67
433.2	1464.9	8.56
420.4	1477.7	8.45
407.5	1490.6	8.42
394.7	1503.4	8.35
381.9	1516.2	8.26
369.1	1529.0	8.15
356.3	1541.8	8.07
343.4	1554.7	8.00
330.6	1567.5	7.92
317.8	1580.3	7.85
305.0	1593.1	7.81
292.2	1605.9	7.75
279.3	1618.8	7.71
266.5	1631.6	7.68
253.7	1644.4	7.67
240.9	1657.2	7.63
228.0	1670.1	7.61
215.2	1682.9	7.57
202.4	1695.7	7.55
189.6	1708.5	7.56
176.8	1721.3	7.58
163.9	1734.2	7.64
151.1	1747.0	7.70
138.3	1759.8	7.76
125.5	1772.6	7.82
112.7	1785.4	7.95
99.8	1798.3	8.10
87.0	1811.1	8.30
74.2	1823.9	8.49
61.4	1836.7	8.61
48.6	1849.5	8.74
35.7	1862.4	8.82
22.9	1875.2	9.09
10.1	1888.0	9.59

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB) @LO (dBm)			LO-IF ISOLATION (dB) @LO (dBm)		
	+4	+7	+10	+4	+7	+10
1306.1	34.99	36.13	37.56	42.99	42.27	41.24
1326.1	34.71	35.99	37.42	43.18	42.53	41.21
1346.1	34.45	35.74	37.19	43.57	42.43	41.09
1366.1	33.84	35.09	36.57	43.98	42.88	41.21
1386.1	33.59	34.76	36.13	45.29	42.77	40.92
1406.1	33.13	34.60	35.80	46.92	43.13	41.09
1426.1	32.87	33.94	34.82	47.74	41.72	38.88
1446.1	32.19	32.72	32.97	45.71	39.62	37.26
1466.1	31.36	31.60	31.54	41.59	36.98	34.83
1486.1	30.84	31.02	31.16	38.13	34.53	32.76
1506.1	30.66	30.96	30.91	35.34	32.90	31.52
1526.1	30.88	31.09	31.14	33.06	31.28	30.36
1546.1	32.15	32.54	32.65	31.93	30.82	30.27
1566.1	33.47	33.85	33.77	31.83	31.23	31.10
1586.1	35.10	35.19	34.92	32.63	32.56	32.75
1606.1	36.99	36.79	36.43	34.33	34.65	35.13
1626.1	38.44	38.05	37.76	36.06	36.48	37.02
1636.1	39.13	38.71	38.43	36.81	37.05	37.36
1656.1	40.28	40.01	39.67	37.43	37.43	37.24
1666.1	40.86	40.41	40.27	37.24	36.94	36.80
1686.1	42.08	41.77	41.65	36.60	36.16	35.91
1696.1	42.63	42.37	42.29	36.30	35.82	35.56
1716.1	43.75	44.06	44.21	35.85	35.31	35.00
1726.1	43.96	44.54	44.98	35.79	35.15	34.80
1746.1	44.91	45.84	46.53	35.60	35.04	34.62
1756.1	45.15	46.25	47.16	35.56	34.87	34.56
1776.1	46.00	47.61	48.70	35.33	34.80	34.43
1786.1	46.37	48.05	49.32	35.32	34.79	34.42
1806.1	46.02	48.35	50.09	35.26	34.79	34.34
1816.1	46.16	48.61	50.53	35.35	34.84	34.30
1836.1	46.09	49.04	51.73	35.28	34.81	34.40
1846.1	46.32	49.40	52.32	35.26	34.79	34.39
1866.1	45.96	49.42	52.96	35.26	34.66	34.20
1876.1	45.72	49.20	53.03	35.23	34.78	34.15
1896.1	45.69	49.37	54.10	35.26	34.74	34.22
1906.1	45.06	48.56	53.22	35.27	34.81	34.29
1926.1	45.28	48.49	52.94	35.17	34.79	34.32
1936.1	45.02	48.27	52.71	35.06	34.82	34.36
1956.1	45.41	48.30	52.72	35.10	34.78	34.35
1966.1	45.46	48.43	52.83	34.95	34.82	34.40

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB) @LO (dBm)		
		+4	+7	+10
1431.1	1306.1	35.78	37.71	53.02
1451.1	1326.1	35.39	38.11	48.74
1471.1	1346.1	34.77	38.67	43.84
1491.1	1366.1	33.85	36.81	43.27
1511.1	1386.1	33.00	36.44	41.40
1531.1	1406.1	32.01	36.63	41.29
1551.1	1426.1	31.33	37.12	42.56
1571.1	1446.1	30.88	37.57	42.22
1591.1	1466.1	30.85	37.87	44.72
1611.1	1486.1	29.99	37.75	47.08
1631.1	1506.1	29.22	35.35	45.07
1651.1	1526.1	28.90	35.11	44.76
1671.1	1546.1	28.13	32.69	38.07
1691.1	1566.1	28.11	32.09	36.71
1711.1	1586.1	28.15	31.51	34.85
1731.1	1606.1	29.36	32.48	35.23
1751.1	1626.1	30.33	33.00	35.25
1761.1	1636.1	30.71	33.19	35.20
1781.1	1656.1	31.73	34.03	35.92
1791.1	1666.1	32.13	34.48	36.18
1811.1	1686.1	32.88	34.93	36.29
1821.1	1696.1	33.26	35.29	36.60
1841.1	1716.1	33.59	35.24	36.39
1851.1	1726.1	33.87	35.38	36.38
1871.1	1746.1	34.79	36.02	36.72
1881.1	1756.1	35.19	36.28	36.85
1901.1	1776.1	36.21	36.57	36.84
1911.1	1786.1	36.95	36.85	36.96
1931.1	1806.1	38.67	37.37	37.01
1941.1	1816.1	39.76	37.78	37.10
1961.1	1836.1	41.85	38.90	37.57
1971.1	1846.1	43.15	39.52	37.79
1991.1	1866.1	46.01	40.96	38.31
2001.1	1876.1	48.14	42.18	38.74
2021.1	1896.1	54.28	45.30	40.29
2031.1	1906.1	55.90	47.18	41.09
2051.1	1926.1	53.52	51.00	42.57
2061.1	1936.1	51.85	52.29	43.01
2081.1	1956.1	48.53	52.24	43.91
2091.1	1966.1	47.12	50.81	44.65

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Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1) @LO (dBm)		
		+4	+7	+10
1431.1	1306.1	4.66	3.37	2.52
1451.1	1326.1	4.43	3.22	2.38
1471.1	1346.1	4.12	2.94	2.23
1491.1	1366.1	4.27	2.99	2.34
1511.1	1386.1	3.90	2.75	2.15
1531.1	1406.1	3.51	2.42	1.95
1551.1	1426.1	3.09	2.20	1.71
1571.1	1446.1	2.72	1.95	1.51
1591.1	1466.1	2.44	1.78	1.36
1611.1	1486.1	2.31	1.67	1.30
1631.1	1506.1	2.13	1.58	1.23
1651.1	1526.1	1.94	1.45	1.16
1671.1	1546.1	1.77	1.35	1.10
1691.1	1566.1	1.66	1.28	1.05
1711.1	1586.1	1.55	1.21	1.03
1731.1	1606.1	1.43	1.14	1.07
1751.1	1626.1	1.35	1.10	1.10
1761.1	1636.1	1.33	1.09	1.11
1781.1	1656.1	1.33	1.10	1.12
1791.1	1666.1	1.33	1.09	1.12
1811.1	1686.1	1.35	1.11	1.13
1821.1	1696.1	1.38	1.13	1.11
1841.1	1716.1	1.46	1.18	1.10
1851.1	1726.1	1.50	1.20	1.09
1871.1	1746.1	1.54	1.23	1.09
1881.1	1756.1	1.57	1.24	1.09
1901.1	1776.1	1.63	1.28	1.09
1911.1	1786.1	1.68	1.31	1.10
1931.1	1806.1	1.79	1.39	1.13
1941.1	1816.1	1.85	1.42	1.14
1961.1	1836.1	1.89	1.45	1.16
1971.1	1846.1	1.91	1.46	1.16
1991.1	1866.1	1.94	1.48	1.16
2001.1	1876.1	1.97	1.53	1.18
2021.1	1896.1	2.07	1.60	1.24
2031.1	1906.1	2.10	1.63	1.26
2051.1	1926.1	2.10	1.64	1.27
2061.1	1936.1	2.09	1.63	1.26
2081.1	1956.1	2.08	1.64	1.27
2091.1	1966.1	2.08	1.66	1.29

LO (MHz)	LO VSWR (:1) @LO (dBm)		
	+4	+7	+10
1306.1	24.48	23.18	22.00
1326.1	22.58	21.20	20.22
1346.1	20.70	19.11	18.11
1366.1	19.32	16.89	15.96
1386.1	17.05	14.74	13.29
1406.1	14.74	12.61	11.46
1426.1	12.44	10.69	9.38
1446.1	10.31	8.86	7.83
1466.1	8.43	7.25	6.42
1486.1	6.86	5.81	5.09
1506.1	5.39	4.54	3.95
1526.1	4.16	3.52	3.08
1546.1	3.24	2.78	2.45
1566.1	2.56	2.22	1.97
1586.1	1.99	1.75	1.57
1606.1	1.58	1.46	1.41
1626.1	1.56	1.62	1.72
1636.1	1.73	1.86	2.01
1656.1	2.33	2.58	2.82
1666.1	2.75	3.05	3.33
1686.1	3.78	4.18	4.55
1696.1	4.37	4.82	5.22
1716.1	5.68	6.24	6.73
1726.1	6.44	7.05	7.56
1746.1	8.12	8.86	9.43
1756.1	9.08	9.79	10.43
1776.1	11.03	11.77	12.44
1786.1	12.01	12.80	13.39
1806.1	14.03	14.74	15.39
1816.1	15.13	15.96	16.56
1836.1	17.39	18.11	18.70
1846.1	18.50	19.32	19.98
1866.1	20.70	21.20	21.73
1876.1	21.73	22.29	22.58
1896.1	23.49	23.81	24.14
1906.1	24.48	24.83	24.83
1926.1	26.74	26.74	27.16
1936.1	28.03	28.49	28.49
1956.1	29.46	29.46	29.46
1966.1	29.96	29.96	29.96

IF (OUT) (MHz)	IF VSWR @LO=1888MHz (:1) @LO (dBm)		
	+4	+7	+10
10.0	2.20	1.76	1.41
50.0	2.26	1.81	1.46
90.0	2.33	1.88	1.53
130.0	2.43	1.97	1.62
170.0	2.57	2.10	1.75
210.0	2.73	2.25	1.88
250.0	2.95	2.43	2.03
290.0	3.18	2.62	2.20
330.0	3.44	2.81	2.34
370.0	3.75	3.04	2.52
410.0	4.10	3.29	2.71
450.0	4.51	3.52	2.84
490.0	4.99	3.76	3.02
530.0	4.89	3.84	3.16
570.0	5.20	4.04	3.30
610.0	5.46	4.21	3.42
650.0	5.61	4.30	3.48
690.0	5.70	4.41	3.58
730.0	5.74	4.44	3.61
770.0	5.77	4.48	3.64
810.0	5.87	4.55	3.71
850.0	5.83	4.51	3.65
890.0	5.74	4.50	3.67
930.0	5.54	4.38	3.59
970.0	5.33	4.25	3.49
1010.0	5.09	4.08	3.36
1050.0	4.87	3.89	3.22
1110.0	4.51	3.62	3.01
1150.0	4.30	3.48	2.91
1210.0	3.94	3.21	2.70
1250.0	3.72	3.04	2.55
1310.0	3.43	2.81	2.35
1350.0	3.25	2.68	2.25
1410.0	2.87	2.42	2.06
1450.0	2.62	2.22	1.91
1510.0	2.38	2.03	1.76
1550.0	2.25	1.93	1.68
1610.0	2.09	1.81	1.61
1650.0	2.00	1.75	1.59
1710.0	1.93	1.73	1.62

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Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	16	31	37	43	39	39	38	49	66	61
1	-	32	+0	36	20	38	28	45	46	54	55	53
2	60	43	54	53	65	56	54	63	62	63	76	71
3	>90	64	52	64	48	71	54	69	57	77	70	>81
4	>90	>81	>81	>81	>81	>81	>81	79	>81	>81	>81	>81
5	>90	>81	>81	>81	>81	>81	81	>81	>81	>81	>81	>81
6	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
7	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
8	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
9	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
10	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1700 MHz; -1.00 dBm.
LO IN: 1575 MHz; +7.00 dBm
IF OUT: 125 MHz; -8.62 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	24	38	42	54	48	55	50	60	70	68
1	-	31	+0	34	21	37	31	43	49	54	60	55
2	40	33	44	42	54	51	50	58	60	57	86	60
3	71	48	33	43	30	53	40	58	45	66	61	74
4	>90	90	68	58	>91	57	61	62	64	75	74	69
5	>90	83	69	62	50	63	45	64	53	74	57	91
6	>90	80	77	86	81	74	71	66	68	69	73	89
7	>90	87	>91	83	>91	74	63	78	59	77	64	79
8	>90	>91	88	86	83	90	83	85	79	77	74	82
9	>90	>91	90	90	>91	88	>91	80	76	83	72	81
10	>90	>91	>91	>91	>91	>91	>91	>91	89	>91	89	85
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1700 MHz; 9.00 dBm.
LO IN: 1575 MHz; +7.00 dBm
IF OUT: 125 MHz; 1.17 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.

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