

Frequency Mixer

HJK-21H

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=240MHz (dB)		
		@LO (dBm)		
		+14	+17	+20
760.1	1000.1	12.46	10.53	9.02
830.1	1070.1	11.24	9.67	8.49
900.1	1140.1	10.49	9.18	8.30
970.1	1210.1	9.78	8.72	8.15
1040.1	1280.1	8.99	8.03	7.54
1110.1	1350.1	8.59	7.62	7.18
1180.1	1420.1	8.40	7.47	7.12
1250.1	1490.1	7.96	7.28	7.06
1320.1	1560.1	7.76	7.22	7.11
1390.1	1630.1	7.82	7.38	7.36
1460.1	1700.1	7.67	7.44	7.51
1530.1	1770.1	7.50	7.36	7.43
1600.1	1840.1	7.44	7.36	7.44
1670.1	1910.1	7.51	7.45	7.55
1740.1	1980.1	7.59	7.59	7.70
1810.1	2050.1	7.58	7.61	7.73
1880.1	2120.1	7.61	7.65	7.80
1950.1	2190.1	7.80	7.82	7.95
2020.1	2260.1	7.94	7.94	8.05
2090.1	2330.1	7.91	7.85	7.92
2160.1	2400.1	8.03	7.87	7.89
2230.1	2470.1	8.28	8.04	8.01
2300.1	2540.1	8.45	8.04	7.94
2370.1	2610.1	8.55	7.98	7.78
2440.1	2680.1	8.79	8.14	7.86
2510.1	2750.1	9.09	8.32	8.01
2580.1	2820.1	9.36	8.44	8.03
2650.1	2890.1	9.50	8.53	8.08
2720.1	2960.1	9.70	8.72	8.31
2790.1	3030.1	9.86	8.94	8.48
2870.1	3110.1	10.07	9.05	8.61
2940.1	3180.1	10.07	9.05	8.60
3020.1	3260.1	10.13	9.14	8.72
3090.1	3330.1	10.32	9.34	8.93
3170.1	3410.1	10.55	9.51	9.03
3240.1	3480.1	10.60	9.46	8.94
3320.1	3560.1	10.52	9.47	8.91
3390.1	3630.1	10.82	9.68	9.07
3470.1	3710.1	11.30	10.00	9.23
3540.1	3780.1	11.62	10.23	9.29

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)		
		@LO (dBm)		
		+14	+17	+20
760.1	1000.1	19.11	21.80	22.07
830.1	1070.1	19.43	21.70	22.34
900.1	1140.1	19.85	21.65	22.79
970.1	1210.1	21.72	23.02	23.87
1040.1	1280.1	19.49	22.00	23.45
1110.1	1350.1	17.80	20.55	22.97
1180.1	1420.1	18.24	20.38	22.77
1250.1	1490.1	20.27	21.44	24.08
1320.1	1560.1	20.87	22.01	24.87
1390.1	1630.1	21.86	23.12	25.93
1460.1	1700.1	22.48	24.63	27.31
1530.1	1770.1	23.30	26.14	28.34
1600.1	1840.1	24.28	27.49	29.03
1670.1	1910.1	25.29	29.11	30.28
1740.1	1980.1	26.35	30.67	32.15
1810.1	2050.1	27.83	33.09	34.34
1880.1	2120.1	27.78	33.57	35.47
1950.1	2190.1	27.93	33.76	37.47
2020.1	2260.1	27.68	33.03	37.21
2090.1	2330.1	26.45	31.69	35.43
2160.1	2400.1	25.16	30.40	34.56
2230.1	2470.1	24.39	29.40	33.42
2300.1	2540.1	22.77	26.70	31.98
2370.1	2610.1	21.99	24.91	30.19
2440.1	2680.1	21.73	24.50	29.36
2510.1	2750.1	21.47	24.22	28.22
2580.1	2820.1	21.01	23.33	27.16
2650.1	2890.1	21.17	23.47	27.38
2720.1	2960.1	21.18	23.61	27.89
2790.1	3030.1	21.08	23.42	27.53
2870.1	3110.1	21.09	23.33	27.30
2940.1	3180.1	21.38	23.68	27.58
3020.1	3260.1	21.85	24.29	27.98
3090.1	3330.1	22.26	24.54	28.36
3170.1	3410.1	22.61	24.50	27.99
3240.1	3480.1	22.96	24.32	27.60
3320.1	3560.1	23.60	24.59	27.87
3390.1	3630.1	24.52	25.00	27.84
3470.1	3710.1	24.65	24.64	26.99
3540.1	3780.1	23.83	24.13	25.89

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+20dBm (dB)		
		@LO (dBm)		
		+14	+17	+20
760.1	1000.1	3.11	2.85	2.52
830.1	1070.1	3.98	3.36	2.76
900.1	1140.1	4.46	3.64	2.83
970.1	1210.1	5.01	3.96	2.91
1040.1	1280.1	6.19	4.73	3.37
1110.1	1350.1	7.98	5.78	3.94
1180.1	1420.1	7.01	5.59	3.76
1250.1	1490.1	5.11	3.83	2.55
1320.1	1560.1	4.23	3.00	1.89
1390.1	1630.1	3.62	2.47	1.53
1460.1	1700.1	3.09	2.02	1.14
1530.1	1770.1	2.59	1.62	0.89
1600.1	1840.1	2.26	1.38	0.77
1670.1	1910.1	1.99	1.20	0.65
1740.1	1980.1	1.66	0.92	0.48
1810.1	2050.1	1.48	0.76	0.36
1880.1	2120.1	1.42	0.73	0.31
1950.1	2190.1	1.38	0.72	0.30
2020.1	2260.1	1.56	0.80	0.34
2090.1	2330.1	1.93	1.02	0.47
2160.1	2400.1	2.12	1.20	0.61
2230.1	2470.1	2.13	1.30	0.65
2300.1	2540.1	2.44	1.54	0.89
2370.1	2610.1	2.66	1.78	1.09
2440.1	2680.1	2.35	1.57	1.02
2510.1	2750.1	2.29	1.56	1.04
2580.1	2820.1	2.40	1.65	1.13
2650.1	2890.1	2.28	1.62	1.05
2720.1	2960.1	1.86	1.33	0.93
2790.1	3030.1	1.94	1.31	0.95
2870.1	3110.1	1.86	1.34	0.91
2940.1	3180.1	1.81	1.32	0.88
3020.1	3260.1	1.68	1.22	0.83
3090.1	3330.1	1.46	1.05	0.76
3170.1	3410.1	1.47	1.08	0.79
3240.1	3480.1	1.62	1.18	0.82
3320.1	3560.1	1.52	1.11	0.80
3390.1	3630.1	1.15	0.90	0.66
3470.1	3710.1	0.92	0.83	0.67
3540.1	3780.1	1.01	0.90	0.68

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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)=1880MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1839.9MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1920.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+17			+17			+17
570.0	1310.0	10.31	10.1	1850.0	7.72	570.1	1350.0	10.25
541.3	1338.7	9.98	30.5	1870.4	7.37	555.7	1364.4	10.01
512.6	1367.4	9.62	51.0	1890.9	7.42	541.4	1378.7	9.79
483.8	1396.2	9.24	71.4	1911.3	7.42	527.0	1393.1	9.66
455.1	1424.9	9.04	91.8	1931.7	7.46	512.7	1407.4	9.51
426.4	1453.6	8.68	112.2	1952.1	7.49	498.3	1421.8	9.43
397.7	1482.3	8.41	132.7	1972.6	7.50	483.9	1436.2	9.32
369.0	1511.0	8.26	153.1	1993.0	7.56	469.6	1450.5	9.11
340.3	1539.7	8.09	173.5	2013.4	7.56	455.2	1464.9	8.96
311.5	1568.5	7.87	193.9	2033.8	7.65	440.9	1479.2	8.78
282.8	1597.2	7.75	214.4	2054.3	7.67	426.5	1493.6	8.64
254.1	1625.9	7.67	234.8	2074.7	7.73	412.2	1507.9	8.60
225.4	1654.6	7.53	255.2	2095.1	7.79	397.8	1522.3	8.55
196.7	1683.3	7.42	275.6	2115.5	7.80	383.4	1536.7	8.42
167.9	1712.1	7.36	296.1	2136.0	7.88	369.1	1551.0	8.30
139.2	1740.8	7.33	316.5	2156.4	7.87	354.7	1565.4	8.20
110.5	1769.5	7.26	336.9	2176.8	7.97	340.4	1579.7	8.10
81.8	1798.2	7.26	357.3	2197.2	8.00	326.0	1594.1	8.02
53.1	1826.9	7.26	377.8	2217.7	8.06	311.6	1608.5	7.99
24.4	1855.6	7.25	398.2	2238.1	8.14	297.3	1622.8	7.93
10.0	1890.0	7.64	418.6	2258.5	8.17	282.9	1637.2	7.83
62.3	1942.3	7.32	439.0	2278.9	8.30	268.6	1651.5	7.75
114.6	1994.6	7.42	459.5	2299.4	8.35	254.2	1665.9	7.65
166.9	2046.9	7.49	479.9	2319.8	8.49	239.8	1680.3	7.60
219.2	2099.2	7.60	520.7	2360.6	8.60	225.5	1694.6	7.58
271.5	2151.5	7.72	541.2	2381.1	8.64	211.1	1709.0	7.54
323.8	2203.8	7.87	582.0	2421.9	8.73	196.8	1723.3	7.52
376.2	2256.2	8.04	602.4	2442.3	8.75	182.4	1737.7	7.46
428.5	2308.5	8.17	643.3	2483.2	8.82	168.0	1752.1	7.40
480.8	2360.8	8.37	663.7	2503.6	8.90	153.7	1766.4	7.41
533.1	2413.1	8.49	704.6	2544.5	8.94	139.3	1780.8	7.39
585.4	2465.4	8.63	725.0	2564.9	8.98	125.0	1795.1	7.37
637.7	2517.7	8.75	765.8	2605.7	9.14	110.6	1809.5	7.39
690.0	2570.0	8.86	786.3	2626.2	9.18	96.3	1823.8	7.37
742.3	2622.3	9.00	827.1	2667.0	9.28	81.9	1838.2	7.36
794.6	2674.6	9.11	847.5	2687.4	9.43	67.5	1852.6	7.38
846.9	2726.9	9.38	888.4	2728.3	9.58	53.2	1866.9	7.36
899.2	2779.2	9.57	908.8	2748.7	9.64	38.8	1881.3	7.36
951.5	2831.5	9.91	949.7	2789.6	9.92	24.5	1895.6	7.42
1030.0	2910.0	10.37	970.1	2810.0	10.05	10.1	1910.0	7.74

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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)		
	+14	+17	+20	+14	+17	+20
1000.1	65.34	65.61	62.26	44.68	45.02	45.15
1070.1	60.07	66.81	68.67	43.69	43.87	43.91
1140.1	49.62	52.07	55.39	43.78	43.64	43.46
1210.1	43.39	44.08	45.21	45.05	44.33	43.92
1280.1	39.92	40.62	41.61	47.73	47.82	47.35
1350.1	36.96	37.97	39.10	46.07	50.27	53.60
1420.1	35.28	36.37	37.64	41.38	45.10	49.02
1490.1	34.86	36.20	37.58	38.50	41.32	43.82
1560.1	35.95	38.55	41.15	35.56	37.28	38.59
1630.1	35.86	38.39	40.16	32.78	33.96	34.95
1700.1	34.30	35.65	36.43	30.70	31.59	32.36
1770.1	32.99	33.62	33.98	28.75	29.45	29.96
1840.1	31.53	31.83	31.85	26.85	27.31	27.64
1910.1	31.15	31.20	31.14	25.26	25.52	25.69
1980.1	30.80	30.72	30.75	24.43	24.44	24.65
2050.1	30.86	30.92	30.96	24.71	24.64	24.63
2120.1	30.93	30.95	31.07	25.91	25.91	25.94
2190.1	30.52	30.50	30.50	28.03	28.04	27.99
2260.1	30.16	29.95	29.95	32.06	31.83	31.68
2330.1	31.49	31.28	31.39	40.68	39.91	39.45
2400.1	33.99	33.85	33.95	57.84	63.93	79.16
2470.1	35.00	34.83	34.49	42.64	43.24	43.61
2540.1	35.43	35.04	34.61	38.71	39.08	39.27
2610.1	35.52	34.88	34.17	36.17	36.56	36.66
2680.1	35.92	35.22	34.53	34.22	34.61	34.67
2750.1	36.12	35.00	34.40	32.69	32.87	33.16
2820.1	36.40	35.14	34.39	31.21	31.39	31.73
2890.1	36.62	35.03	34.22	29.58	29.81	30.17
2960.1	37.73	35.97	35.23	28.09	28.34	28.79
3030.1	39.23	37.06	36.05	26.66	26.97	27.50
3110.1	42.53	39.81	38.17	25.69	26.21	26.75
3180.1	45.13	43.10	40.81	25.75	26.39	26.97
3260.1	42.86	43.34	42.17	26.87	27.55	28.02
3330.1	40.66	41.39	41.13	28.06	28.61	28.87
3410.1	38.63	39.34	39.53	29.32	29.58	29.58
3480.1	36.84	37.56	37.61	30.19	30.10	29.87
3560.1	35.52	35.97	36.03	30.53	30.32	29.92
3630.1	34.56	34.92	34.85	30.83	30.27	29.92
3710.1	33.56	34.01	34.03	30.95	30.25	29.54
3780.1	33.17	33.73	33.84	31.06	30.24	29.40

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+14	+17	+20
760.1	1000.1	24.38	22.72	22.23
830.1	1070.1	23.90	21.82	21.17
900.1	1140.1	25.40	22.43	21.56
970.1	1210.1	29.93	25.35	23.48
1040.1	1280.1	42.43	28.99	25.50
1110.1	1350.1	27.65	26.71	27.37
1180.1	1420.1	24.66	26.42	29.81
1250.1	1490.1	24.85	27.88	31.54
1320.1	1560.1	26.46	30.57	35.53
1390.1	1630.1	28.06	33.24	37.66
1460.1	1700.1	29.70	34.29	36.28
1530.1	1770.1	31.15	34.94	36.83
1600.1	1840.1	31.92	35.18	37.14
1670.1	1910.1	32.09	34.86	36.78
1740.1	1980.1	32.30	34.64	36.05
1810.1	2050.1	32.36	33.86	34.74
1880.1	2120.1	31.79	32.52	32.95
1950.1	2190.1	31.19	31.46	31.51
2020.1	2260.1	30.72	30.90	30.87
2090.1	2330.1	30.29	30.70	30.88
2160.1	2400.1	30.27	30.85	31.31
2230.1	2470.1	30.61	31.41	32.19
2300.1	2540.1	30.34	31.53	32.67
2370.1	2610.1	29.99	31.34	32.77
2440.1	2680.1	29.94	31.37	32.97
2510.1	2750.1	30.01	31.62	33.28
2580.1	2820.1	30.08	31.50	33.22
2650.1	2890.1	30.46	31.86	33.57
2720.1	2960.1	31.33	32.66	34.21
2790.1	3030.1	32.73	33.84	35.21
2870.1	3110.1	35.99	36.89	38.20
2940.1	3180.1	41.28	42.13	44.17
3020.1	3260.1	42.61	42.58	43.21
3090.1	3330.1	36.22	36.04	36.28
3170.1	3410.1	32.09	32.03	32.38
3240.1	3480.1	30.28	30.36	30.78
3320.1	3560.1	29.32	29.76	30.26
3390.1	3630.1	29.10	29.48	29.98
3470.1	3710.1	29.04	29.50	30.09
3540.1	3780.1	29.18	29.65	30.29



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=1910MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+14	+17	+20		+14	+17	+20		+14	+17	+20
760.1	1000.1	4.61	3.76	3.24	1000.1	45.72	44.55	40.41	10.0	1.05	1.16	1.28
830.1	1070.1	3.27	2.78	2.51	1070.1	39.49	37.77	36.20	50.4	1.11	1.21	1.33
900.1	1140.1	2.45	2.14	2.03	1140.1	32.18	30.49	27.59	90.9	1.13	1.21	1.32
970.1	1210.1	1.90	1.70	1.77	1210.1	26.74	25.19	22.87	131.3	1.24	1.29	1.39
1040.1	1280.1	1.55	1.45	1.61	1280.1	23.81	23.49	22.87	171.8	1.28	1.33	1.42
1110.1	1350.1	1.29	1.27	1.49	1350.1	21.20	21.20	20.22	212.2	1.42	1.44	1.50
1180.1	1420.1	1.08	1.24	1.51	1420.1	18.70	18.11	16.89	252.7	1.49	1.51	1.57
1250.1	1490.1	1.11	1.37	1.65	1490.1	16.41	15.96	15.13	293.1	1.60	1.60	1.63
1320.1	1560.1	1.26	1.51	1.80	1560.1	13.92	13.49	12.99	333.6	1.73	1.73	1.76
1390.1	1630.1	1.38	1.64	1.96	1630.1	11.53	11.09	10.56	374.0	1.79	1.77	1.78
1460.1	1700.1	1.51	1.74	2.05	1700.1	9.04	8.64	8.16	414.5	1.97	1.93	1.94
1530.1	1770.1	1.66	1.86	2.13	1770.1	6.83	6.53	6.24	454.9	2.01	1.95	1.95
1600.1	1840.1	1.76	1.94	2.19	1840.1	4.98	4.73	4.53	495.4	2.18	2.10	2.08
1670.1	1910.1	1.84	1.99	2.20	1910.1	3.46	3.29	3.14	535.8	2.23	2.15	2.12
1740.1	1980.1	1.95	2.07	2.25	1980.1	2.37	2.25	2.16	576.3	2.35	2.24	2.18
1810.1	2050.1	2.01	2.13	2.29	2050.1	1.68	1.62	1.58	616.7	2.42	2.32	2.27
1880.1	2120.1	2.04	2.12	2.25	2120.1	1.49	1.50	1.52	657.2	2.45	2.32	2.25
1950.1	2190.1	2.08	2.10	2.20	2190.1	1.82	1.88	1.95	697.6	2.54	2.41	2.34
2020.1	2260.1	2.10	2.07	2.13	2260.1	2.38	2.47	2.56	738.1	2.50	2.36	2.27
2090.1	2330.1	2.13	2.02	2.03	2330.1	3.08	3.18	3.25	798.8	2.51	2.37	2.28
2160.1	2400.1	2.25	2.06	2.02	2400.1	3.87	3.98	4.06	839.2	2.53	2.38	2.29
2230.1	2470.1	2.34	2.10	2.00	2470.1	4.66	4.79	4.89	899.9	2.48	2.35	2.26
2300.1	2540.1	2.53	2.18	1.99	2540.1	5.31	5.41	5.41	940.3	2.42	2.29	2.20
2370.1	2610.1	2.80	2.36	2.07	2610.1	5.87	5.89	5.74	1001.0	2.31	2.20	2.13
2440.1	2680.1	2.93	2.46	2.14	2680.1	6.42	6.49	6.42	1041.5	2.29	2.19	2.12
2510.1	2750.1	3.09	2.56	2.23	2750.1	6.81	6.89	6.81	1102.1	2.13	2.05	2.00
2580.1	2820.1	3.43	2.81	2.44	2820.1	6.91	6.89	6.63	1142.6	2.08	2.01	1.96
2650.1	2890.1	3.64	3.01	2.62	2890.1	6.94	6.89	6.63	1203.3	1.94	1.89	1.85
2720.1	2960.1	3.63	3.03	2.67	2960.1	7.05	7.05	6.97	1243.7	1.89	1.85	1.82
2790.1	3030.1	3.82	3.20	2.81	3030.1	6.83	6.81	6.71	1304.4	1.77	1.73	1.71
2870.1	3110.1	4.06	3.40	2.98	3110.1	6.37	6.28	6.09	1344.8	1.73	1.71	1.70
2940.1	3180.1	4.06	3.42	3.00	3180.1	6.01	5.89	5.65	1405.5	1.64	1.63	1.63
3020.1	3260.1	4.06	3.43	3.01	3260.1	5.56	5.46	5.30	1446.0	1.58	1.59	1.60
3090.1	3330.1	4.23	3.58	3.14	3330.1	4.99	4.89	4.79	1506.6	1.52	1.53	1.56
3170.1	3410.1	4.31	3.64	3.18	3410.1	4.31	4.18	4.05	1547.1	1.48	1.51	1.55
3240.1	3480.1	4.34	3.66	3.18	3480.1	3.71	3.56	3.39	1607.8	1.45	1.48	1.53
3320.1	3560.1	4.43	3.79	3.28	3560.1	3.11	2.99	2.88	1648.2	1.41	1.46	1.52
3390.1	3630.1	4.61	3.92	3.40	3630.1	2.64	2.55	2.48	1708.9	1.39	1.44	1.51
3470.1	3710.1	4.68	3.99	3.42	3710.1	2.19	2.12	2.06	1749.3	1.36	1.43	1.51
3540.1	3780.1	4.86	4.18	3.56	3780.1	1.87	1.81	1.75	1810.0	1.34	1.41	1.49



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	6	11	25	30	37	44	59	54	68	62
1	-	25	+0	28	21	50	37	46	35	54	50	67
2	49	42	48	45	51	44	53	50	55	57	70	68
3	82	64	54	55	46	55	52	62	66	79	60	81
4	>90	85	77	74	76	70	80	74	76	74	70	>87
5	>90	>87	>87	82	>87	71	80	76	78	81	>87	>87
6	>90	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
7	>90	>87	>87	>87	>87	>87	>87	86	>87	>87	>87	>87
8	>90	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
9	>90	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
10	>90	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1880 MHz; 5.00 dBm.
 LO IN: 2120 MHz; +17.00 dBm
 IF OUT: 240 MHz; -2.8 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	21	37	39	46	53	60	67	72	70
1	-	25	+0	31	23	51	41	49	41	63	58	73
2	29	33	40	37	49	40	47	46	61	55	71	67
3	53	52	35	41	28	43	37	55	53	68	51	72
4	71	64	63	49	51	48	58	54	58	56	59	72
5	>90	67	57	62	51	50	44	54	50	63	69	66
6	>90	75	69	71	67	62	58	60	63	65	71	69
7	>90	77	74	83	82	76	65	57	57	63	63	69
8	>90	94	78	79	78	81	77	77	72	67	74	76
9	>90	>97	91	81	87	82	>97	78	70	64	68	70
10	>90	>97	97	>97	87	87	89	89	82	87	80	75
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1880 MHz; 15.00 dBm.
 LO IN: 2120 MHz; +17.00 dBm
 IF OUT: 240 MHz; 6.97 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.

