

Frequency Mixer

AMCY-ED11506A/1

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=169MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)			RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+15dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		-1	+2	+5			-1	+2	+5			-1	+2	+5
1140.00	971.00	9.15	11.31	13.73	1140.00	971.00	26.26	29.13	27.31	1140.00	971.00	0.54	0.22	-0.27
1190.00	1021.00	9.59	11.21	12.24	1190.00	1021.00	22.53	28.03	38.88	1190.00	1021.00	0.54	0.08	0.00
1240.00	1071.00	9.04	10.31	11.49	1240.00	1071.00	23.18	26.36	29.47	1240.00	1071.00	0.62	0.29	0.07
1290.00	1121.00	8.56	9.77	10.94	1290.00	1121.00	23.05	25.08	24.44	1290.00	1121.00	0.78	0.54	0.28
1340.00	1171.00	8.45	9.49	10.72	1340.00	1171.00	25.80	24.04	28.94	1340.00	1171.00	0.54	0.53	0.31
1390.00	1221.00	8.64	9.56	10.60	1390.00	1221.00	26.97	26.61	25.12	1390.00	1221.00	0.38	0.40	0.55
1440.00	1271.00	8.36	9.03	10.12	1440.00	1271.00	26.10	26.44	26.62	1440.00	1271.00	0.39	0.34	0.22
1490.00	1321.00	7.96	8.38	9.27	1490.00	1321.00	26.98	25.71	24.18	1490.00	1321.00	0.37	0.47	0.47
1540.00	1371.00	7.74	7.94	8.38	1540.00	1371.00	27.86	27.28	25.67	1540.00	1371.00	0.46	0.43	0.51
1590.00	1421.00	7.52	7.60	7.84	1590.00	1421.00	27.33	29.92	30.31	1590.00	1421.00	0.46	0.39	0.37
1630.00	1461.00	7.43	7.46	7.53	1630.00	1461.00	30.88	35.26	36.72	1630.00	1461.00	0.27	0.22	0.19
1680.00	1511.00	7.24	7.29	7.29	1680.00	1511.00	39.27	34.63	33.30	1680.00	1511.00	0.15	0.08	0.05
1720.00	1551.00	7.52	7.55	7.52	1720.00	1551.00	29.78	31.48	32.86	1720.00	1551.00	0.09	0.06	0.06
1770.00	1601.00	7.71	7.67	7.64	1770.00	1601.00	29.76	32.59	33.33	1770.00	1601.00	0.12	0.11	0.11
1810.00	1641.00	7.81	7.73	7.72	1810.00	1641.00	31.64	34.29	33.41	1810.00	1641.00	0.17	0.14	0.14
1860.00	1691.00	7.84	7.77	7.76	1860.00	1691.00	31.54	32.63	32.03	1860.00	1691.00	0.24	0.22	0.23
1900.00	1731.00	7.94	7.88	7.87	1900.00	1731.00	31.26	32.12	31.62	1900.00	1731.00	0.26	0.24	0.24
1950.00	1781.00	7.98	7.92	7.89	1950.00	1781.00	32.17	32.63	32.72	1950.00	1781.00	0.22	0.21	0.21
1990.00	1821.00	7.99	7.94	7.92	1990.00	1821.00	32.94	33.25	33.64	1990.00	1821.00	0.19	0.19	0.19
2040.00	1871.00	7.76	7.71	7.70	2040.00	1871.00	33.57	33.88	34.39	2040.00	1871.00	0.15	0.15	0.15
2080.00	1911.00	7.76	7.71	7.72	2080.00	1911.00	33.01	35.54	36.25	2080.00	1911.00	0.16	0.16	0.15
2130.00	1961.00	7.65	7.60	7.59	2130.00	1961.00	31.69	32.36	34.13	2130.00	1961.00	0.13	0.11	0.11
2170.00	2001.00	7.79	7.72	7.68	2170.00	2001.00	30.46	30.65	31.30	2170.00	2001.00	0.11	0.09	0.08
2220.00	2051.00	7.87	7.81	7.78	2220.00	2051.00	32.39	32.68	33.38	2220.00	2051.00	0.09	0.08	0.08
2260.00	2091.00	7.98	7.93	7.92	2260.00	2091.00	32.18	32.26	32.06	2260.00	2091.00	0.09	0.08	0.08
2310.00	2141.00	7.89	7.83	7.87	2310.00	2141.00	33.35	33.79	32.77	2310.00	2141.00	0.14	0.13	0.14
2350.00	2181.00	8.11	8.01	8.02	2350.00	2181.00	33.70	34.63	35.10	2350.00	2181.00	0.13	0.11	0.10
2400.00	2231.00	7.97	7.84	7.81	2400.00	2231.00	33.25	34.85	35.44	2400.00	2231.00	0.11	0.09	0.08
2440.00	2271.00	8.26	8.10	8.04	2440.00	2271.00	32.65	35.11	36.17	2440.00	2271.00	0.08	0.07	0.06
2490.00	2321.00	8.26	8.03	7.92	2490.00	2321.00	31.63	34.22	35.81	2490.00	2321.00	0.07	0.06	0.06
2530.00	2361.00	8.71	8.39	8.24	2530.00	2361.00	30.93	33.76	34.71	2530.00	2361.00	0.06	0.07	0.07
2580.00	2411.00	8.87	8.53	8.40	2580.00	2411.00	29.52	31.49	34.26	2580.00	2411.00	0.10	0.07	0.07
2620.00	2451.00	9.37	9.00	8.88	2620.00	2451.00	29.28	31.25	32.69	2620.00	2451.00	0.18	0.08	0.06
2670.00	2501.00	9.61	9.19	9.05	2670.00	2501.00	28.09	30.07	30.48	2670.00	2501.00	0.27	0.15	0.10
2710.00	2541.00	10.06	9.59	9.40	2710.00	2541.00	26.96	28.78	29.57	2710.00	2541.00	0.32	0.21	0.14
2760.00	2591.00	10.41	9.84	9.60	2760.00	2591.00	25.40	27.44	28.31	2760.00	2591.00	0.39	0.32	0.23
2800.00	2631.00	10.96	10.27	9.92	2800.00	2631.00	24.31	26.26	27.01	2800.00	2631.00	0.44	0.40	0.35
2850.00	2681.00	11.54	10.72	10.28	2850.00	2681.00	23.31	25.07	25.26	2850.00	2681.00	0.44	0.43	0.45
2890.00	2721.00	12.08	11.22	10.71	2890.00	2721.00	22.82	24.49	24.49	2890.00	2721.00	0.39	0.38	0.44
2940.00	2771.00	12.71	11.76	11.21	2940.00	2771.00	22.51	23.61	23.41	2940.00	2771.00	0.31	0.29	0.34

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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)=1950.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1920MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1980.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+2			+2			+2
750.00	1200.10	11.22	10.00	1930.00	7.47	850.00	1130.10	12.30
710.00	1240.10	10.54	30.00	1950.00	7.41	830.00	1150.10	12.10
670.00	1280.10	9.75	50.00	1970.00	7.28	810.00	1170.10	11.80
630.00	1320.10	9.05	70.00	1990.00	7.17	790.00	1190.10	11.47
590.00	1360.10	8.63	90.00	2010.00	7.16	770.00	1210.10	11.35
550.00	1400.10	8.26	110.00	2030.00	7.12	750.00	1230.10	11.11
510.00	1440.10	7.95	130.00	2050.00	7.20	730.00	1250.10	10.58
470.00	1480.10	7.62	150.00	2070.00	7.21	710.00	1270.10	10.07
430.00	1520.10	7.57	170.00	2090.00	7.27	690.00	1290.10	9.66
390.00	1560.10	7.70	190.00	2110.00	7.42	670.00	1310.10	9.41
350.00	1600.10	7.94	210.00	2130.00	7.58	650.00	1330.10	9.13
310.00	1640.10	7.92	230.00	2150.00	7.82	630.00	1350.10	8.93
270.00	1680.10	7.97	250.00	2170.00	7.84	610.00	1370.10	8.65
230.00	1720.10	7.99	270.00	2190.00	7.88	590.00	1390.10	8.45
190.00	1760.10	7.96	290.00	2210.00	7.90	570.00	1410.10	8.32
150.00	1800.10	7.98	310.00	2230.00	7.93	550.00	1430.10	8.19
110.00	1840.10	7.79	330.00	2250.00	7.94	530.00	1450.10	8.01
70.00	1880.10	7.57	350.00	2270.00	7.92	510.00	1470.10	7.84
30.00	1920.10	7.42	370.00	2290.00	7.95	490.00	1490.10	7.68
10.00	1960.10	7.34	390.00	2310.00	7.95	470.00	1510.10	7.64
50.00	2000.10	7.18	410.00	2330.00	7.98	450.00	1530.10	7.70
90.00	2040.10	7.12	430.00	2350.00	7.98	430.00	1550.10	7.76
130.00	2080.10	7.24	450.00	2370.00	8.00	410.00	1570.10	7.83
170.00	2120.10	7.46	470.00	2390.00	7.98	390.00	1590.10	7.90
210.00	2160.10	7.85	490.00	2410.00	8.03	370.00	1610.10	7.96
250.00	2200.10	7.90	510.00	2430.00	8.06	350.00	1630.10	8.04
290.00	2240.10	7.88	530.00	2450.00	8.15	330.00	1650.10	8.00
330.00	2280.10	7.90	550.00	2470.00	8.21	310.00	1670.10	7.95
370.00	2320.10	7.92	570.00	2490.00	8.32	290.00	1690.10	7.91
410.00	2360.10	7.95	590.00	2510.00	8.45	260.00	1720.10	7.99
450.00	2400.10	7.95	610.00	2530.00	8.62	240.00	1740.10	7.99
490.00	2440.10	8.04	630.00	2550.00	8.79	210.00	1770.10	7.98
530.00	2480.10	8.15	650.00	2570.00	9.10	190.00	1790.10	7.93
570.00	2520.10	8.41	670.00	2590.00	9.36	160.00	1820.10	7.90
610.00	2560.10	8.81	690.00	2610.00	9.62	140.00	1840.10	7.78
630.00	2580.10	8.99	710.00	2630.00	9.92	110.00	1870.10	7.62
670.00	2620.10	9.61	730.00	2650.00	10.23	90.00	1890.10	7.52
690.00	2640.10	9.90	740.00	2660.00	10.36	60.00	1920.10	7.44
730.00	2680.10	10.42	760.00	2680.00	10.60	40.00	1940.10	7.37
750.00	2700.10	10.69	770.00	2690.00	10.74	10.00	1970.10	7.25

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)			RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)					@LO (dBm)		
	-1	+2	+5	-1	+2	+5			-1	+2	+5
971.00	8.97	9.42	11.57	6.52	7.30	9.72	1140.00	971.00	21.08	23.28	26.46
1021.00	8.12	10.09	12.67	17.78	17.23	18.77	1190.00	1021.00	20.72	22.59	24.31
1071.00	7.19	8.89	11.34	27.51	21.40	21.72	1240.00	1071.00	25.18	24.37	25.20
1121.00	7.09	8.60	11.08	23.51	22.53	23.75	1290.00	1121.00	29.90	30.00	28.11
1171.00	8.79	9.43	12.14	19.68	22.05	24.55	1340.00	1171.00	27.93	32.20	38.09
1221.00	15.64	16.42	19.50	18.00	20.10	21.49	1390.00	1221.00	26.24	26.97	29.55
1271.00	20.65	20.46	21.10	15.92	17.37	19.02	1440.00	1271.00	25.47	24.60	25.85
1321.00	23.96	26.24	26.38	15.57	16.84	18.58	1490.00	1321.00	26.24	23.75	22.47
1371.00	29.76	39.45	32.57	14.30	15.28	17.01	1540.00	1371.00	28.95	25.16	22.56
1421.00	35.35	36.66	33.93	14.14	15.45	17.27	1590.00	1421.00	32.66	27.65	24.03
1461.00	30.54	31.63	32.98	14.28	15.86	17.78	1630.00	1461.00	37.72	31.84	29.18
1511.00	22.85	23.24	26.04	14.44	16.05	18.18	1680.00	1511.00	39.31	33.07	31.81
1551.00	16.41	17.34	20.13	12.45	14.16	16.57	1720.00	1551.00	33.75	30.44	29.95
1601.00	14.81	16.35	19.14	9.89	12.02	14.80	1770.00	1601.00	29.97	28.76	28.70
1641.00	15.08	16.71	19.59	8.33	10.65	13.78	1810.00	1641.00	29.14	28.95	29.29
1691.00	17.85	19.72	22.39	7.29	9.72	12.98	1860.00	1691.00	28.33	28.91	29.35
1731.00	19.73	21.50	23.90	7.32	9.83	13.09	1900.00	1731.00	27.47	27.79	28.06
1781.00	17.37	19.26	21.58	9.13	11.89	15.19	1950.00	1781.00	28.63	28.99	28.90
1821.00	16.30	18.76	21.49	10.18	13.01	16.40	1990.00	1821.00	30.48	31.14	31.30
1871.00	20.39	23.63	26.74	9.64	12.39	15.73	2040.00	1871.00	30.60	31.13	31.44
1911.00	22.31	25.26	27.82	9.21	11.95	15.27	2080.00	1911.00	28.67	28.71	28.67
1961.00	19.10	20.64	22.56	8.06	10.57	13.56	2130.00	1961.00	27.96	28.12	28.18
2001.00	18.17	20.38	22.94	7.69	10.26	13.28	2170.00	2001.00	27.59	28.15	28.57
2051.00	16.76	19.34	22.19	7.52	10.11	13.22	2220.00	2051.00	25.97	26.33	26.60
2091.00	15.54	18.01	20.92	7.49	10.10	13.29	2260.00	2091.00	25.87	26.28	26.55
2141.00	17.80	21.47	25.63	6.74	8.76	11.53	2310.00	2141.00	29.10	30.82	31.96
2181.00	18.76	22.41	26.83	5.43	6.90	9.33	2350.00	2181.00	30.00	31.91	32.20
2231.00	17.17	19.94	23.48	5.07	6.40	8.55	2400.00	2231.00	27.98	29.79	30.70
2271.00	16.21	18.89	22.06	5.13	6.42	8.31	2440.00	2271.00	26.72	28.23	29.18
2321.00	15.58	18.08	20.86	5.88	7.04	8.78	2490.00	2321.00	25.91	27.18	27.97
2361.00	15.12	17.71	20.44	6.50	7.62	9.33	2530.00	2361.00	25.43	26.56	27.24
2411.00	14.61	17.08	19.73	7.64	8.88	10.62	2580.00	2411.00	25.25	26.13	26.57
2451.00	14.20	16.43	18.91	8.57	9.86	11.81	2620.00	2451.00	25.25	26.00	26.25
2501.00	14.36	16.45	18.80	9.43	10.90	13.03	2670.00	2501.00	25.76	26.20	26.26
2541.00	15.04	17.15	19.50	9.30	10.73	12.88	2710.00	2541.00	26.33	26.61	26.54
2591.00	17.31	19.30	21.58	9.57	11.01	13.24	2760.00	2591.00	27.16	27.36	27.11
2631.00	18.72	20.19	22.47	10.34	11.54	13.76	2800.00	2631.00	27.75	27.91	27.70
2681.00	19.22	20.32	22.46	11.86	12.76	14.85	2850.00	2681.00	28.48	28.54	28.41
2721.00	19.61	20.66	22.53	13.28	14.03	15.98	2890.00	2721.00	29.34	29.17	29.04
2771.00	20.08	20.90	22.44	15.34	15.88	17.71	2940.00	2771.00	30.79	30.38	30.20

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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=1811MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		-1	+2	+5		-1	+2	+5		-1	+2	+5
1140.00	971.00	2.11	1.76	1.58	971.00	1.56	1.50	1.49	10.00	1.56	1.60	1.60
1190.00	1021.00	1.92	1.61	1.52	1021.00	1.51	1.47	1.47	50.00	1.52	1.56	1.56
1240.00	1071.00	1.82	1.58	1.48	1071.00	1.42	1.39	1.40	90.00	1.55	1.59	1.59
1290.00	1121.00	1.91	1.58	1.43	1121.00	1.32	1.30	1.31	130.00	1.54	1.58	1.58
1340.00	1171.00	1.95	1.68	1.47	1171.00	1.20	1.16	1.20	170.00	1.54	1.57	1.57
1390.00	1221.00	1.92	1.79	1.69	1221.00	1.11	1.06	1.14	210.00	1.52	1.54	1.54
1440.00	1271.00	1.84	1.73	1.72	1271.00	1.09	1.02	1.13	250.00	1.55	1.56	1.56
1490.00	1321.00	1.77	1.66	1.60	1321.00	1.12	1.04	1.10	290.00	1.58	1.59	1.59
1540.00	1371.00	1.69	1.57	1.51	1371.00	1.21	1.12	1.04	330.00	1.56	1.57	1.57
1590.00	1421.00	1.60	1.55	1.51	1421.00	1.33	1.24	1.05	370.00	1.54	1.55	1.55
1630.00	1461.00	1.47	1.42	1.39	1461.00	1.45	1.38	1.18	410.00	1.51	1.50	1.50
1680.00	1511.00	1.43	1.36	1.34	1511.00	1.54	1.51	1.37	450.00	1.52	1.51	1.51
1720.00	1551.00	1.29	1.23	1.22	1551.00	1.58	1.56	1.46	490.00	1.48	1.47	1.47
1770.00	1601.00	1.13	1.09	1.08	1601.00	1.60	1.55	1.47	530.00	1.43	1.42	1.42
1810.00	1641.00	1.05	1.04	1.04	1641.00	1.61	1.54	1.44	570.00	1.34	1.33	1.33
1860.00	1691.00	1.05	1.09	1.09	1691.00	1.60	1.51	1.41	610.00	1.30	1.29	1.29
1900.00	1731.00	1.10	1.14	1.14	1731.00	1.57	1.47	1.35	650.00	1.24	1.23	1.23
1950.00	1781.00	1.11	1.13	1.13	1781.00	1.52	1.41	1.29	690.00	1.16	1.15	1.16
1990.00	1821.00	1.13	1.15	1.16	1821.00	1.47	1.36	1.24	730.00	1.09	1.09	1.09
2040.00	1871.00	1.18	1.20	1.21	1871.00	1.40	1.29	1.19	790.00	1.07	1.09	1.09
2080.00	1911.00	1.25	1.26	1.27	1911.00	1.33	1.24	1.16	830.00	1.17	1.18	1.18
2130.00	1961.00	1.33	1.34	1.35	1961.00	1.27	1.18	1.12	890.00	1.32	1.34	1.34
2170.00	2001.00	1.38	1.39	1.40	2001.00	1.24	1.16	1.11	930.00	1.51	1.54	1.54
2220.00	2051.00	1.48	1.50	1.50	2051.00	1.30	1.21	1.17	990.00	1.77	1.79	1.78
2260.00	2091.00	1.53	1.55	1.55	2091.00	1.39	1.29	1.25	1030.00	1.90	1.92	1.92
2310.00	2141.00	1.64	1.68	1.70	2141.00	1.61	1.51	1.44	1090.00	2.03	2.05	2.04
2350.00	2181.00	1.72	1.77	1.79	2181.00	1.74	1.65	1.57	1130.00	2.16	2.18	2.17
2400.00	2231.00	1.82	1.85	1.87	2231.00	1.91	1.79	1.63	1190.00	2.31	2.32	2.32
2440.00	2271.00	1.90	1.92	1.95	2271.00	1.98	1.82	1.61	1230.00	2.40	2.43	2.43
2490.00	2321.00	2.07	2.08	2.10	2321.00	2.03	1.83	1.57	1290.00	2.55	2.58	2.58
2530.00	2361.00	2.24	2.25	2.26	2361.00	2.03	1.81	1.53	1330.00	2.64	2.68	2.68
2580.00	2411.00	2.42	2.42	2.43	2411.00	1.97	1.75	1.46	1390.00	2.89	2.93	2.94
2620.00	2451.00	2.64	2.64	2.65	2451.00	1.91	1.72	1.44	1430.00	3.02	3.06	3.07
2670.00	2501.00	2.89	2.89	2.91	2501.00	1.82	1.65	1.42	1490.00	3.26	3.30	3.30
2710.00	2541.00	3.12	3.11	3.13	2541.00	1.78	1.63	1.41	1530.00	3.42	3.45	3.46
2760.00	2591.00	3.32	3.31	3.33	2591.00	1.71	1.57	1.39	1590.00	3.72	3.75	3.75
2800.00	2631.00	3.51	3.49	3.52	2631.00	1.69	1.58	1.42	1630.00	3.90	3.94	3.94
2850.00	2681.00	3.76	3.73	3.76	2681.00	1.67	1.58	1.45	1690.00	4.16	4.20	4.19
2890.00	2721.00	3.98	3.95	3.96	2721.00	1.67	1.61	1.49	1730.00	4.19	4.24	4.23
2940.00	2771.00	4.34	4.30	4.31	2771.00	1.69	1.65	1.56	1790.00	4.01	4.06	4.04

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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	2	13	13	20	27	22	40	72	57	50
1	-	20	+0	22	28	31	50	55	54	49	55	72
2	59	62	52	48	64	63	71	69	71	64	67	73
3	95	80	73	85	69	74	89	79	>92	>92	>92	87
4	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
5	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
6	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
7	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
8	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
9	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
10	>100	>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: 1950 MHz; 0.00 dBm.
LO IN: 1781 MHz; +2.00 dBm
IF OUT: 169 MHz; -7.84 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	12	23	23	30	38	34	48	70	69	63
1	-	19	+0	21	28	31	48	54	59	51	56	77
2	38	52	41	37	50	55	60	57	61	56	57	66
3	65	60	52	62	47	53	70	60	94	72	78	67
4	90	90	71	74	69	64	71	81	72	89	97	84
5	>100	82	90	92	86	86	77	76	80	84	100	79
6	>100	87	89	84	89	83	80	76	74	85	88	>102
7	>100	>102	98	91	>102	>102	97	>102	>102	85	98	99
8	>100	>102	>102	94	>102	>102	>102	102	>102	94	94	100
9	>100	>102	>102	>102	>102	>102	>102	>102	>102	>102	98	97
10	>100	>102	>102	>102	>102	>102	>102	>102	>102	>102	>102	>102
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 1950 MHz; 10.00 dBm.
LO IN: 1781 MHz; +2.00 dBm
IF OUT: 169 MHz; 2.07 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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