

Frequency Mixer

SIM-ED12399/4

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)			RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+14dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
+14	+17	+20	+14	+17	+20	+14	+17	+20						
760.0	790.0	18.73	10.42	7.29	760.0	790.0	4.00	11.79	16.03	760.0	790.0	-4.48	0.69	1.19
840.0	870.0	12.33	8.41	7.01	840.0	870.0	9.64	14.20	17.15	840.0	870.0	0.11	1.29	1.31
920.0	950.0	10.68	8.27	7.10	920.0	950.0	12.70	17.01	20.46	920.0	950.0	-0.02	0.89	1.08
1000.0	1030.0	9.36	7.95	7.05	1000.0	1030.0	16.40	18.26	19.42	1000.0	1030.0	0.48	0.72	0.81
1080.0	1110.0	8.18	7.30	6.61	1080.0	1110.0	17.96	19.05	22.90	1080.0	1110.0	0.87	0.82	0.78
1180.0	1210.0	7.50	6.77	6.44	1180.0	1210.0	22.13	20.00	21.15	1180.0	1210.0	0.79	0.67	0.57
1260.0	1290.0	7.16	6.73	6.41	1260.0	1290.0	24.40	20.32	24.68	1260.0	1290.0	0.82	0.40	0.41
1360.0	1390.0	7.10	6.41	6.15	1360.0	1390.0	35.33	23.40	26.57	1360.0	1390.0	0.64	0.39	0.29
1440.0	1470.0	7.22	6.33	6.08	1440.0	1470.0	24.93	24.88	22.59	1440.0	1470.0	0.46	0.44	0.33
1540.0	1570.0	7.33	6.48	6.06	1540.0	1570.0	21.99	23.87	26.08	1540.0	1570.0	0.59	0.38	0.36
1620.0	1650.0	7.45	6.67	6.33	1620.0	1650.0	26.01	26.42	25.47	1620.0	1650.0	0.54	0.28	0.21
1720.0	1750.0	7.51	6.84	6.53	1720.0	1750.0	25.91	23.20	22.25	1720.0	1750.0	0.50	0.24	0.18
1800.0	1830.0	7.56	6.86	6.45	1800.0	1830.0	21.55	25.78	29.66	1800.0	1830.0	0.48	0.31	0.22
1900.0	1930.0	7.56	6.70	6.43	1900.0	1930.0	21.06	24.58	28.06	1900.0	1930.0	0.53	0.37	0.18
1980.0	2010.0	7.37	6.65	6.42	1980.0	2010.0	23.31	26.30	33.39	1980.0	2010.0	0.72	0.33	0.16
2080.0	2110.0	7.17	6.60	6.40	2080.0	2110.0	23.61	30.81	30.59	2080.0	2110.0	0.95	0.34	0.17
2160.0	2190.0	7.31	6.66	6.37	2160.0	2190.0	25.69	31.79	29.22	2160.0	2190.0	0.88	0.40	0.27
2260.0	2290.0	7.75	6.80	6.43	2260.0	2290.0	29.65	28.32	27.20	2260.0	2290.0	0.59	0.32	0.26
2340.0	2370.0	7.86	6.77	6.33	2340.0	2370.0	24.26	23.46	24.23	2340.0	2370.0	0.59	0.36	0.28
2440.0	2470.0	7.68	6.54	6.07	2440.0	2470.0	21.12	23.48	33.48	2440.0	2470.0	0.69	0.39	0.27
2520.0	2550.0	9.56	7.89	6.84	2520.0	2550.0	18.48	23.31	24.77	2520.0	2550.0	-0.04	0.24	0.33
2620.0	2650.0	8.18	7.46	6.82	2620.0	2650.0	25.03	23.63	21.57	2620.0	2650.0	0.91	0.53	0.59
2700.0	2730.0	8.00	6.84	6.35	2700.0	2730.0	19.04	20.10	20.12	2700.0	2730.0	0.58	0.50	0.59
2800.0	2830.0	7.60	6.64	6.10	2800.0	2830.0	16.93	16.26	19.43	2800.0	2830.0	0.75	0.48	0.55
2880.0	2910.0	7.41	6.37	5.92	2880.0	2910.0	16.90	19.07	27.61	2880.0	2910.0	0.77	0.56	0.50
2980.0	3010.0	7.16	5.95	5.79	2980.0	3010.0	16.46	25.35	30.34	2980.0	3010.0	0.70	0.58	0.31
3060.0	3090.0	7.15	5.97	5.86	3060.0	3090.0	19.04	28.12	29.72	3060.0	3090.0	0.90	0.45	0.20
3160.0	3190.0	6.86	5.95	5.88	3160.0	3190.0	19.69	29.07	28.01	3160.0	3190.0	1.21	0.38	0.13
3240.0	3270.0	7.20	6.09	5.96	3240.0	3270.0	19.38	28.50	29.66	3240.0	3270.0	1.12	0.43	0.18
3340.0	3370.0	7.59	6.29	6.13	3340.0	3370.0	19.03	27.58	30.65	3340.0	3370.0	0.96	0.46	0.21
3420.0	3450.0	8.17	6.53	6.30	3420.0	3450.0	19.56	26.83	29.72	3420.0	3450.0	0.73	0.49	0.21
3520.0	3550.0	9.03	7.07	6.60	3520.0	3550.0	18.66	24.85	27.14	3520.0	3550.0	0.47	0.40	0.22
3600.0	3630.0	9.13	7.29	6.71	3600.0	3630.0	18.76	24.11	29.75	3600.0	3630.0	0.24	0.32	0.22
3700.0	3730.0	9.65	7.47	6.81	3700.0	3730.0	19.53	24.84	31.66	3700.0	3730.0	-0.15	0.24	0.19
3780.0	3810.0	9.87	7.43	6.76	3780.0	3810.0	23.21	30.70	28.01	3780.0	3810.0	-0.16	0.33	0.24
3880.0	3910.0	11.15	8.33	7.37	3880.0	3910.0	24.23	32.42	29.59	3880.0	3910.0	-0.48	0.14	0.17
3960.0	3990.0	11.79	8.39	7.49	3960.0	3990.0	20.09	23.91	30.53	3960.0	3990.0	-0.79	0.17	0.17
4060.0	4090.0	14.85	8.80	7.43	4060.0	4090.0	14.47	29.00	33.51	4060.0	4090.0	-2.99	0.16	0.25
4140.0	4170.0	17.11	9.73	8.01	4140.0	4170.0	12.78	24.81	31.97	4140.0	4170.0	-4.48	-0.18	0.10
4240.0	4270.0	21.44	10.66	8.28	4240.0	4270.0	7.98	22.07	28.01	4240.0	4270.0	-8.23	-0.48	0.06

REV. X3

SIM-ED12399/4

101028

Page 1 of 5



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED • RoHS compliant

P.O. Box 350186, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see



Frequency Mixer

SIM-ED12399/4

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2500MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=989.9MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=4010.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+17			+17			+17
1400.0	1100.0	10.76	10.1	1000.0	8.99	1150.1	2860.0	10.91
1325.9	1174.1	9.34	50.1	1040.0	7.92	1130.1	2880.0	10.86
1251.7	1248.3	7.92	90.1	1080.0	7.62	1110.1	2900.0	10.68
1177.6	1322.4	8.22	130.1	1120.0	7.50	1090.1	2920.0	10.36
1103.5	1396.5	9.47	170.1	1160.0	7.20	1050.1	2960.0	10.11
1029.3	1470.7	9.55	210.1	1200.0	7.15	1030.1	2980.0	10.10
955.2	1544.8	9.84	250.1	1240.0	7.11	990.1	3020.0	9.74
881.1	1618.9	10.59	290.1	1280.0	6.87	970.1	3040.0	9.73
806.9	1693.1	10.42	330.1	1320.0	6.90	930.1	3080.0	9.60
732.8	1767.2	9.72	370.1	1360.0	6.84	910.1	3100.0	9.39
658.7	1841.3	8.90	410.1	1400.0	6.64	870.1	3140.0	9.45
584.5	1915.5	8.15	450.1	1440.0	6.59	850.1	3160.0	9.39
510.4	1989.6	7.67	490.1	1480.0	6.93	810.1	3200.0	9.45
436.3	2063.7	7.20	530.1	1520.0	7.28	790.1	3220.0	9.50
362.1	2137.9	6.91	570.1	1560.0	7.48	750.1	3260.0	9.56
288.0	2212.0	6.67	610.1	1600.0	7.73	730.1	3280.0	9.60
213.9	2286.1	6.37	650.1	1640.0	7.78	690.1	3320.0	9.65
139.7	2360.3	6.26	690.1	1680.0	7.93	670.1	3340.0	9.72
65.6	2434.4	6.98	730.1	1720.0	8.06	630.1	3380.0	9.52
10.0	2510.0	8.51	770.1	1760.0	8.35	610.1	3400.0	9.38
95.9	2595.9	8.23	810.1	1800.0	8.23	570.1	3440.0	9.24
181.7	2681.7	8.62	850.1	1840.0	7.96	550.1	3460.0	9.15
267.6	2767.6	8.32	890.1	1880.0	7.98	510.1	3500.0	9.01
353.5	2853.5	8.24	930.1	1920.0	7.93	490.1	3520.0	9.07
439.3	2939.3	7.61	970.1	1960.0	8.07	450.1	3560.0	8.95
525.2	3025.2	7.26	1010.1	2000.0	7.88	430.1	3580.0	8.80
611.1	3111.1	7.35	1050.1	2040.0	7.81	390.1	3620.0	8.84
696.9	3196.9	7.36	1090.1	2080.0	7.90	370.1	3640.0	8.85
782.8	3282.8	7.47	1130.1	2120.0	7.97	330.1	3680.0	8.65
868.7	3368.7	7.57	1170.1	2160.0	8.15	310.1	3700.0	8.89
954.5	3454.5	7.64	1210.1	2200.0	8.40	270.1	3740.0	9.03
1018.9	3518.9	7.67	1250.1	2240.0	8.77	250.1	3760.0	8.98
1104.8	3604.8	7.82	1290.1	2280.0	8.82	210.1	3800.0	9.12
1169.2	3669.2	7.95	1330.1	2320.0	8.89	190.1	3820.0	8.99
1255.1	3755.1	8.20	1370.1	2360.0	8.99	150.1	3860.0	8.85
1319.5	3819.5	8.53	1410.1	2400.0	9.27	130.1	3880.0	8.85
1405.3	3905.3	9.16	1450.1	2440.0	9.33	90.1	3920.0	8.77
1469.7	3969.7	9.57	1490.1	2480.0	9.67	70.1	3940.0	8.64
1555.6	4055.6	10.39	1530.1	2520.0	9.83	30.1	3980.0	8.58
1620.0	4120.0	11.33	1590.1	2580.0	10.50	10.1	4000.0	9.24

REV. X3

SIM-ED12399/4

101028

Page 2 of 5



IF/Rf MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED RoHS compliant

P.O. Box 350166, Brooklyn, New York 11235-0006 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, instantly • For detailed performance specs & shopping online see



Frequency Mixer

SIM-ED12399/4

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+14	+17	+20	+14	+17	+20
790.0	50.98	50.24	40.57	21.40	21.49	22.61
870.0	46.11	37.83	37.06	19.40	20.80	23.13
950.0	37.96	36.85	37.14	19.11	21.50	23.71
1030.0	40.73	39.88	39.63	20.25	22.89	25.19
1110.0	44.94	44.47	43.66	21.89	24.62	26.84
1210.0	43.83	43.78	43.33	24.17	26.90	28.54
1290.0	43.19	41.31	40.43	26.68	28.97	29.54
1390.0	41.28	39.81	38.18	30.07	31.59	31.33
1470.0	40.47	39.03	37.55	32.30	33.60	33.33
1570.0	38.84	37.93	36.77	32.06	34.64	38.46
1650.0	38.04	36.52	35.60	30.93	32.58	34.26
1750.0	39.22	38.13	37.08	27.44	28.78	29.17
1830.0	39.03	38.37	37.99	22.68	23.88	24.20
1930.0	38.47	37.98	36.96	17.44	18.71	19.22
2010.0	37.95	37.03	36.16	14.54	15.83	16.63
2110.0	36.96	36.22	35.50	12.91	14.48	15.65
2190.0	36.65	35.64	35.16	12.86	14.45	15.95
2290.0	37.25	35.58	34.82	13.50	15.23	16.96
2370.0	37.43	35.30	33.70	14.39	16.07	17.79
2470.0	37.80	36.01	34.21	15.53	17.33	19.13
2550.0	37.91	36.51	35.31	16.50	18.29	20.14
2650.0	36.60	33.14	31.68	18.10	19.93	21.85
2730.0	38.53	35.33	32.91	19.56	21.19	22.78
2830.0	36.41	33.55	31.67	21.85	23.02	23.81
2910.0	36.24	34.06	31.71	23.81	24.33	24.81
3010.0	38.10	34.65	31.88	27.19	27.52	28.01
3090.0	36.88	33.32	30.88	32.96	33.38	32.45
3190.0	35.11	32.37	30.69	43.81	40.81	36.25
3270.0	34.19	31.41	29.93	31.25	30.47	29.90
3370.0	33.77	31.46	30.32	25.36	24.87	25.07
3450.0	34.36	31.68	30.57	24.68	24.06	24.95
3550.0	33.34	31.16	29.58	22.57	21.70	21.78
3630.0	32.56	30.87	29.48	20.44	19.90	20.24
3730.0	31.91	30.41	29.15	18.61	17.95	18.54
3810.0	32.26	30.61	29.43	18.11	17.43	18.14
3910.0	33.71	31.67	30.29	18.38	17.38	17.91
3990.0	35.37	32.93	31.32	18.85	17.78	18.58
4090.0	36.58	35.22	33.17	18.37	17.72	18.19
4170.0	35.36	33.06	31.57	17.06	16.42	17.01
4270.0	35.03	33.57	31.91	16.06	15.87	16.39

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+14	+17	+20
760.0	790.0	29.91	24.68	16.87
840.0	870.0	23.10	15.79	14.11
920.0	950.0	16.55	14.54	13.73
1000.0	1030.0	17.16	15.70	14.95
1080.0	1110.0	20.35	18.61	17.57
1180.0	1210.0	24.93	23.42	22.57
1260.0	1290.0	28.59	27.83	26.57
1360.0	1390.0	34.71	31.95	30.03
1440.0	1470.0	37.40	32.00	29.16
1540.0	1570.0	32.88	29.93	27.92
1620.0	1650.0	31.52	27.86	26.64
1720.0	1750.0	30.26	28.79	27.23
1800.0	1830.0	29.98	28.37	27.29
1900.0	1930.0	31.48	29.87	29.18
1980.0	2010.0	34.33	33.43	33.06
2080.0	2110.0	39.14	38.45	38.02
2160.0	2190.0	38.01	37.36	37.01
2260.0	2290.0	35.05	34.36	33.98
2340.0	2370.0	32.21	31.26	30.90
2440.0	2470.0	30.08	29.25	28.87
2520.0	2550.0	28.29	27.06	26.68
2620.0	2650.0	26.88	25.33	24.46
2700.0	2730.0	27.65	25.62	24.32
2800.0	2830.0	25.47	23.93	22.81
2880.0	2910.0	25.04	22.65	21.40
2980.0	3010.0	26.06	22.61	22.20
3060.0	3090.0	25.42	22.40	21.97
3160.0	3190.0	24.34	21.73	20.81
3240.0	3270.0	24.89	21.81	20.74
3340.0	3370.0	27.90	24.04	23.08
3420.0	3450.0	31.00	26.26	24.98
3520.0	3550.0	29.82	25.31	23.68
3600.0	3630.0	30.64	25.02	23.33
3700.0	3730.0	35.65	26.12	23.27
3780.0	3810.0	40.00	27.58	23.82
3880.0	3910.0	31.36	28.06	25.04
3960.0	3990.0	27.11	26.17	24.93
4060.0	4090.0	23.27	23.22	23.74
4140.0	4170.0	23.84	25.61	25.74
4240.0	4270.0	24.69	33.81	34.13

Frequency Mixer

SIM-ED12399/4

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)				IF (OUT) (MHz)	IF VSWR @LO=4000MHz (:1)			
		@LO (dBm)				@LO (dBm)					@LO (dBm)			
		+14	+17	+20		+14	+17	+20	+14		+17	+20		
760.0	790.0	4.26	2.51	2.07	790.0	17.75	15.67	8.95	10.0	2.57	1.26	1.09		
840.0	870.0	2.70	1.99	1.70	870.0	11.24	6.05	4.77	50.0	2.47	1.26	1.14		
920.0	950.0	2.59	2.09	1.85	950.0	4.11	3.09	3.25	90.0	2.62	1.35	1.19		
1000.0	1030.0	2.89	2.53	2.29	1030.0	2.06	1.92	2.36	130.0	2.72	1.43	1.27		
1080.0	1110.0	3.18	2.89	2.66	1110.0	1.56	1.30	1.74	170.0	2.93	1.55	1.35		
1180.0	1210.0	3.36	3.07	2.93	1210.0	2.01	1.19	1.30	210.0	3.15	1.69	1.44		
1260.0	1290.0	3.38	3.09	2.95	1290.0	2.53	1.44	1.14	250.0	3.38	1.82	1.55		
1360.0	1390.0	3.50	3.11	2.80	1390.0	2.95	1.62	1.22	290.0	3.63	1.96	1.66		
1440.0	1470.0	3.55	3.03	2.74	1470.0	2.94	1.70	1.42	330.0	3.83	2.08	1.75		
1540.0	1570.0	3.54	3.00	2.65	1570.0	2.78	1.80	1.71	370.0	4.07	2.23	1.84		
1620.0	1650.0	3.53	2.96	2.66	1650.0	2.51	1.81	1.86	410.0	4.38	2.39	1.97		
1720.0	1750.0	3.46	3.01	2.65	1750.0	2.15	1.75	2.03	450.0	4.64	2.48	2.03		
1800.0	1830.0	3.35	2.80	2.44	1830.0	1.84	1.68	1.97	490.0	5.00	2.66	2.13		
1900.0	1930.0	3.16	2.56	2.34	1930.0	1.52	1.40	1.83	530.0	5.33	2.82	2.25		
1980.0	2010.0	3.01	2.59	2.42	2010.0	1.37	1.19	1.71	570.0	5.74	2.97	2.31		
2080.0	2110.0	2.77	2.50	2.36	2110.0	1.51	1.21	1.66	610.0	6.09	3.20	2.47		
2160.0	2190.0	2.84	2.57	2.43	2190.0	1.85	1.44	1.69	650.0	6.46	3.30	2.49		
2260.0	2290.0	2.93	2.58	2.39	2290.0	2.37	1.68	1.72	710.0	7.11	3.62	2.69		
2340.0	2370.0	2.78	2.35	2.13	2370.0	2.73	1.91	1.81	750.0	7.56	3.79	2.73		
2440.0	2470.0	2.38	2.04	1.82	2470.0	3.05	2.05	1.83	810.0	8.08	4.06	2.89		
2520.0	2550.0	2.82	2.45	2.21	2550.0	3.21	2.00	1.68	850.0	8.43	4.19	2.98		
2620.0	2650.0	2.46	2.22	2.01	2650.0	3.38	2.05	1.67	910.0	8.20	4.33	3.07		
2700.0	2730.0	2.38	2.08	1.88	2730.0	3.42	1.90	1.45	950.0	8.77	4.52	3.25		
2800.0	2830.0	2.18	1.90	1.66	2830.0	3.22	1.77	1.19	1010.0	8.43	4.56	3.31		
2880.0	2910.0	2.02	1.66	1.56	2910.0	3.21	1.81	1.18	1050.0	8.55	4.66	3.42		
2980.0	3010.0	1.92	1.57	1.56	3010.0	3.18	1.82	1.19	1110.0	7.97	4.45	3.29		
3060.0	3090.0	1.80	1.57	1.58	3090.0	3.37	1.81	1.20	1150.0	8.12	4.60	3.52		
3160.0	3190.0	1.72	1.53	1.54	3190.0	3.22	1.75	1.23	1210.0	7.60	4.31	3.44		
3240.0	3270.0	1.84	1.53	1.48	3270.0	3.21	1.73	1.25	1250.0	7.70	4.44	3.70		
3340.0	3370.0	2.00	1.58	1.48	3370.0	3.06	1.71	1.31	1310.0	7.17	4.29	3.82		
3420.0	3450.0	2.26	1.75	1.63	3450.0	3.14	1.77	1.35	1350.0	7.22	4.51	4.18		
3520.0	3550.0	2.58	2.10	1.90	3550.0	3.13	1.92	1.54	1410.0	6.63	4.45	4.44		
3600.0	3630.0	2.82	2.35	2.11	3630.0	3.21	2.03	1.67	1450.0	6.46	4.61	4.74		
3700.0	3730.0	3.13	2.59	2.33	3730.0	3.45	2.24	1.84	1510.0	5.89	4.82	5.28		
3780.0	3810.0	3.33	2.70	2.42	3810.0	3.73	2.40	1.92	1550.0	5.68	5.16	5.77		
3880.0	3910.0	3.77	3.05	2.74	3910.0	4.35	2.84	2.18	1610.0	5.17	5.65	6.46		
3960.0	3990.0	4.14	3.29	2.96	3990.0	4.99	3.22	2.35	1650.0	5.04	5.95	6.83		
4060.0	4090.0	4.89	3.52	3.04	4090.0	6.07	4.05	2.75	1710.0	4.99	6.42	7.28		
4140.0	4170.0	5.28	3.82	3.27	4170.0	6.89	4.79	3.16	1750.0	5.09	6.61	7.41		
4240.0	4270.0	6.13	4.22	3.51	4270.0	7.70	5.85	3.52	1810.0	5.19	6.46	7.00		

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+7	17	11	23	26	53	37	47	46	---
1	-	20	+0	26	24	38	28	44	38	49	54	55
2	63	50	51	50	49	57	62	67	64	74	67	71
3	>90	61	59	76	52	72	62	74	70	71	>81	>81
4	>90	>81	>81	>81	>81	>81	>81	>81	>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	---	---	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

Test conditions: RF IN: 2500 MHz; -1.00 dBm.
LO IN: 2530 MHz; +17.00 dBm
IF OUT: 30 MHz; -9.11 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	3	29	23	38	40	57	50	56	60	---
1	-	20	+0	28	24	41	34	47	43	58	62	69
2	43	40	44	44	39	57	43	59	62	75	64	66
3	71	41	39	54	34	47	45	56	48	63	64	70
4	>90	75	57	72	62	61	57	65	54	69	63	77
5	>90	65	61	63	62	72	61	57	70	61	64	69
6	>90	89	88	86	85	70	78	60	75	72	72	84
7	>90	>91	91	85	78	85	73	91	65	75	80	87
8	>90	>91	>91	>91	90	>91	78	83	>91	75	75	>91
9	>90	>91	>91	>91	>91	>91	>91	81	90	>91	83	77
10	---	---	>91	>91	>91	>91	>91	>91	>91	91	>91	84
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 2500 MHz; 9.00 dBm.
LO IN: 2530 MHz; +17.00 dBm
IF OUT: 30 MHz; 1.12 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.