Frequency Mixer SIM-ED12399/5B

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=4700MHz (dB)		
		@LO (dBm)		
		+17	+20	+23
4750.1	50.1	7.54	7.32	7.19
4830.1	130.1	7.38	7.15	7.04
4950.1	250.1	7.29	7.06	6.90
5070.1	370.1	7.11	6.78	6.83
5190.1	490.1	6.79	6.67	6.69
5310.1	610.1	6.63	6.54	6.67
5430.1	730.1	6.73	6.80	6.79
5550.1	850.1	6.80	6.86	6.96
5670.1	970.1	7.06	6.82	6.71
5790.1	1090.1	7.33	7.20	7.06
5910.1	1210.1	7.40	7.36	7.28
6010.1	1310.1	7.19	7.16	7.18
6130.1	1430.1	6.84	6.83	6.92
6230.1	1530.1	6.62	6.40	6.49
6350.1	1650.1	6.84	6.37	6.19
6450.1	1750.1	6.91	6.52	6.27
6570.1	1870.1	6.79	6.51	6.35
6670.1	1970.1	6.72	6.61	6.58
6790.1	2090.1	6.99	6.86	7.01
6890.1	2190.1	7.27	7.17	7.29
7010.1	2310.1	7.56	7.45	7.57
7110.1	2410.1	7.79	7.53	7.56
7230.1	2530.1	7.96	7.59	7.52
7330.1	2630.1	8.11	7.66	7.52
7450.1	2750.1	8.41	7.94	7.68
7550.1	2850.1	8.47	8.06	7.83
7670.1	2970.1	8.56	8.19	7.95
7770.1	3070.1	8.54	8.23	8.07
7890.1	3190.1	8.83	8.61	8.47
7990.1	3290.1	9.24	8.92	8.65
8110.1	3410.1	10.09	9.58	9.23
8210.1	3510.1	11.09	10.29	9.65
8330.1	3630.1	11.38	10.69	10.13
8430.1	3730.1	11.29	10.69	10.33
8550.1	3850.1	11.47	10.82	10.36
8650.1	3950.1	11.41	10.62	10.16
8770.1	4070.1	11.20	10.14	9.62
8870.1	4170.1	11.16	9.90	9.21
8990.1	4290.1	12.15	10.55	9.19
9090.1	4390.1	13.82	11.44	10.55

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)		
		@LO (dBm)		
		+17	+20	+23
4750.1	50.1	24.65	25.52	25.23
4830.1	130.1	22.89	23.68	25.27
4950.1	250.1	22.79	24.08	23.33
5070.1	370.1	22.94	21.58	25.13
5190.1	490.1	23.92	21.03	25.71
5310.1	610.1	20.84	23.74	27.55
5430.1	730.1	34.13	27.98	26.86
5550.1	850.1	34.10	31.44	30.69
5670.1	970.1	25.59	26.42	26.41
5790.1	1090.1	33.55	27.50	27.42
5910.1	1210.1	33.80	28.19	28.49
6010.1	1310.1	25.06	28.07	27.63
6130.1	1430.1	24.20	27.21	27.30
6230.1	1530.1	24.01	27.57	28.05
6350.1	1650.1	23.64	25.00	24.55
6450.1	1750.1	22.20	24.12	24.07
6570.1	1870.1	21.56	24.51	23.39
6670.1	1970.1	26.56	23.05	24.01
6790.1	2090.1	24.69	24.39	23.37
6890.1	2190.1	24.80	23.74	22.55
7010.1	2310.1	27.22	25.80	23.52
7110.1	2410.1	28.05	25.74	24.31
7230.1	2530.1	32.29	26.01	24.18
7330.1	2630.1	22.81	32.12	24.10
7450.1	2750.1	21.69	30.91	27.14
7550.1	2850.1	29.32	32.04	24.68
7670.1	2970.1	22.60	28.35	27.16
7770.1	3070.1	23.88	26.48	26.62
7890.1	3190.1	24.78	26.85	26.86
7990.1	3290.1	24.24	24.42	25.60
8110.1	3410.1	32.46	22.88	23.15
8210.1	3510.1	27.14	28.01	23.51
8330.1	3630.1	31.81	28.45	27.55
8430.1	3730.1	27.63	29.68	26.66
8550.1	3850.1	24.93	28.46	26.44
8650.1	3950.1	26.22	24.35	29.74
8770.1	4070.1	26.42	21.09	22.99
8870.1	4170.1	21.82	25.35	23.69
8990.1	4290.1	19.07	18.79	20.73
9090.1	4390.1	17.13	18.91	19.29

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+10dBm (dB)		
		@LO (dBm)		
		+17	+20	+23
4750.1	50.1	0.03	0.03	0.03
4830.1	130.1	0.03	0.04	0.04
4950.1	250.1	0.03	0.05	0.08
5070.1	370.1	0.04	0.15	0.03
5190.1	490.1	0.14	0.11	0.07
5310.1	610.1	0.13	0.12	0.04
5430.1	730.1	0.09	-0.01	0.01
5550.1	850.1	0.14	0.05	0.02
5670.1	970.1	0.05	0.07	0.07
5790.1	1090.1	-0.03	0.00	0.03
5910.1	1210.1	0.02	-0.03	0.00
6010.1	1310.1	0.13	0.07	0.03
6130.1	1430.1	0.19	0.08	0.07
6230.1	1530.1	0.23	0.11	0.08
6350.1	1650.1	0.09	0.09	0.09
6450.1	1750.1	0.03	0.07	0.11
6570.1	1870.1	0.01	0.10	0.17
6670.1	1970.1	0.09	0.08	0.15
6790.1	2090.1	0.12	0.12	0.14
6890.1	2190.1	0.14	0.11	0.19
7010.1	2310.1	0.11	0.10	0.19
7110.1	2410.1	0.07	0.11	0.21
7230.1	2530.1	0.06	0.10	0.19
7330.1	2630.1	0.01	0.06	0.17
7450.1	2750.1	-0.04	-0.01	0.14
7550.1	2850.1	0.06	0.03	0.12
7670.1	2970.1	0.07	0.07	0.11
7770.1	3070.1	0.15	0.12	0.11
7890.1	3190.1	0.20	0.20	0.19
7990.1	3290.1	0.36	0.33	0.27
8110.1	3410.1	0.28	0.33	0.33
8210.1	3510.1	-0.04	0.12	0.22
8330.1	3630.1	-0.04	0.03	0.14
8430.1	3730.1	0.02	0.09	0.15
8550.1	3850.1	-0.04	0.06	0.19
8650.1	3950.1	-0.04	0.07	0.16
8770.1	4070.1	-0.05	0.13	0.26
8870.1	4170.1	-0.01	0.30	0.46
8990.1	4290.1	-0.12	0.12	0.63
9090.1	4390.1	-0.13	-0.02	0.22

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=5800.1001MHz (dB) @LO (dBm) +20
5790.0	10.1	7.55
5690.0	110.1	7.49
5590.0	210.1	7.47
5490.0	310.1	7.45
5390.0	410.1	7.35
5290.0	510.1	7.36
5190.0	610.1	7.44
5090.0	710.1	7.32
4990.0	810.1	7.47
4890.0	910.1	7.15
4790.0	1010.1	7.11
4690.0	1110.1	7.19
4590.0	1210.1	7.22
4490.0	1310.1	6.88
4390.0	1410.1	6.40
4290.0	1510.1	6.25
4190.0	1610.1	6.52
4090.0	1710.1	6.68
3990.0	1810.1	7.06
3890.0	1910.1	7.43
3790.0	2010.1	7.85
3690.0	2110.1	8.21
3590.0	2210.1	8.89
3490.0	2310.1	8.76
3390.0	2410.1	8.61
3290.0	2510.1	7.95
3190.0	2610.1	6.70
3090.0	2710.1	6.14
2990.0	2810.1	6.02
2890.0	2910.1	5.75
2790.0	3010.1	5.58
2690.0	3110.1	5.68
2590.0	3210.1	5.76
2490.0	3310.1	6.02
2410.0	3390.1	6.37
2310.0	3490.1	7.33
2230.0	3570.1	8.49
2130.0	3670.1	10.40
2050.0	3750.1	11.74
1950.0	3850.1	13.41

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=5700.1001MHz (dB) @LO (dBm) +20
5690.0	10.1	7.51
5590.0	110.1	7.43
5490.0	210.1	7.45
5390.0	310.1	7.37
5290.0	410.1	7.24
5190.0	510.1	7.26
5090.0	610.1	7.23
4990.0	710.1	7.22
4890.0	810.1	7.23
4790.0	910.1	6.88
4690.0	1010.1	6.87
4590.0	1110.1	7.07
4490.0	1210.1	7.08
4390.0	1310.1	6.69
4290.0	1410.1	6.25
4190.0	1510.1	6.35
4090.0	1610.1	6.62
3990.0	1710.1	6.82
3890.0	1810.1	7.24
3790.0	1910.1	7.54
3690.0	2010.1	8.13
3590.0	2110.1	8.67
3490.0	2210.1	8.92
3390.0	2310.1	9.05
3290.0	2410.1	8.27
3190.0	2510.1	7.50
3090.0	2610.1	6.34
2990.0	2710.1	6.03
2890.0	2810.1	5.84
2790.0	2910.1	5.73
2690.0	3010.1	5.60
2590.0	3110.1	5.76
2490.0	3210.1	6.08
2390.0	3310.1	6.37
2310.0	3390.1	6.94
2210.0	3490.1	8.44
2130.0	3570.1	9.72
2030.0	3670.1	11.66
1950.0	3750.1	13.22
1850.0	3850.1	14.80

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=5900.1001MHz (dB) @LO (dBm) +20
5890.0	10.1	7.51
5790.0	110.1	7.54
5690.0	210.1	7.52
5590.0	310.1	7.51
5490.0	410.1	7.43
5390.0	510.1	7.44
5290.0	610.1	7.59
5190.0	710.1	7.45
5090.0	810.1	7.60
4990.0	910.1	7.46
4890.0	1010.1	7.28
4790.0	1110.1	7.46
4690.0	1210.1	7.29
4590.0	1310.1	7.03
4490.0	1410.1	6.58
4390.0	1510.1	6.17
4290.0	1610.1	6.42
4190.0	1710.1	6.59
4090.0	1810.1	6.90
3990.0	1910.1	7.19
3890.0	2010.1	7.53
3790.0	2110.1	8.02
3690.0	2210.1	8.41
3590.0	2310.1	8.55
3490.0	2410.1	8.78
3390.0	2510.1	8.23
3290.0	2610.1	7.23
3190.0	2710.1	6.33
3090.0	2810.1	6.09
2990.0	2910.1	5.94
2890.0	3010.1	5.60
2790.0	3110.1	5.64
2690.0	3210.1	5.62
2590.0	3310.1	5.81
2510.0	3390.1	5.93
2410.0	3490.1	6.57
2330.0	3570.1	7.55
2230.0	3670.1	9.00
2150.0	3750.1	10.27
2050.0	3850.1	12.27

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB) @LO (dBm)			LO-IF ISOLATION (dB) @LO (dBm)		
	+17	+20	+23	+17	+20	+23
50.1	41.23	39.06	37.95	53.81	51.86	50.53
130.1	34.03	34.92	31.98	47.31	45.88	44.95
250.1	31.54	30.21	29.30	42.03	40.89	40.08
370.1	28.37	26.93	26.76	38.68	37.63	36.84
490.1	25.27	24.06	23.86	36.27	35.25	34.45
610.1	22.92	22.03	21.56	34.32	33.30	32.52
730.1	21.34	20.81	20.43	32.53	31.70	31.01
850.1	21.21	20.39	19.81	30.94	30.25	29.67
970.1	20.88	19.64	18.77	29.40	28.97	28.43
1090.1	20.31	18.70	17.66	27.79	27.68	27.33
1210.1	19.31	17.59	16.57	26.26	26.48	26.53
1310.1	19.12	17.51	16.52	25.14	25.55	25.79
1430.1	19.15	17.60	16.44	23.80	24.72	25.40
1530.1	19.02	17.49	16.29	22.74	24.03	25.01
1650.1	18.45	16.98	16.01	21.58	23.12	24.54
1750.1	17.98	16.51	15.63	20.64	22.42	24.13
1870.1	18.10	16.94	16.18	19.63	21.76	23.72
1970.1	18.51	17.09	16.40	18.83	21.27	23.42
2090.1	19.10	17.53	16.77	17.98	20.47	22.95
2190.1	20.04	18.57	17.45	17.65	20.24	22.69
2310.1	21.37	20.26	19.00	17.07	19.71	22.06
2410.1	23.07	22.18	20.91	17.05	19.61	21.68
2530.1	24.90	23.94	22.83	17.54	19.67	21.38
2630.1	25.18	24.64	23.46	18.00	19.87	21.33
2750.1	23.29	22.97	22.06	18.46	19.96	20.91
2850.1	21.66	21.63	20.83	18.78	20.11	20.96
2970.1	21.10	20.98	20.42	19.58	20.80	21.31
3070.1	20.71	20.99	20.42	20.16	21.29	21.61
3190.1	19.35	19.79	19.61	21.07	21.79	21.87
3290.1	18.62	19.32	19.36	21.96	22.55	22.47
3410.1	17.99	18.82	19.28	23.41	24.02	23.79
3510.1	18.28	19.06	19.60	25.09	25.30	24.60
3630.1	18.43	19.15	19.85	27.49	27.09	26.10
3730.1	17.69	18.57	19.58	28.88	28.03	27.80
3850.1	17.27	18.06	18.67	31.20	29.41	28.53
3950.1	16.75	17.62	18.20	32.25	30.47	31.01
4070.1	16.20	16.94	17.45	31.20	30.98	32.85
4170.1	16.63	16.78	17.23	28.87	29.38	30.70
4290.1	19.04	17.56	17.45	29.12	29.89	32.22
4390.1	23.08	19.91	18.87	29.28	29.82	29.92

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB) @LO (dBm)		
		+17	+20	+23
4750.1	50.1	30.27	29.91	29.69
4830.1	130.1	30.08	29.63	29.36
4950.1	250.1	29.25	28.50	27.66
5070.1	370.1	29.09	28.27	27.63
5190.1	490.1	29.03	28.15	27.62
5310.1	610.1	28.94	28.05	27.50
5430.1	730.1	28.76	27.79	26.95
5550.1	850.1	28.77	27.89	27.53
5670.1	970.1	29.71	29.19	28.98
5790.1	1090.1	30.81	30.10	30.21
5910.1	1210.1	30.84	30.58	30.64
6010.1	1310.1	29.76	29.64	29.84
6130.1	1430.1	28.79	28.95	29.16
6230.1	1530.1	27.45	27.37	27.66
6350.1	1650.1	26.67	26.87	27.60
6450.1	1750.1	26.20	25.81	26.64
6570.1	1870.1	26.34	25.13	25.31
6670.1	1970.1	26.07	25.14	24.29
6790.1	2090.1	26.57	27.64	26.05
6890.1	2190.1	27.11	27.96	28.16
7010.1	2310.1	27.51	28.27	27.96
7110.1	2410.1	26.15	26.35	26.50
7230.1	2530.1	25.15	25.77	25.68
7330.1	2630.1	25.62	26.12	25.58
7450.1	2750.1	26.17	26.26	25.92
7550.1	2850.1	25.65	25.62	25.02
7670.1	2970.1	25.95	26.13	25.51
7770.1	3070.1	26.30	26.46	25.99
7890.1	3190.1	25.56	25.34	24.68
7990.1	3290.1	25.39	25.07	24.20
8110.1	3410.1	25.45	25.03	24.86
8210.1	3510.1	22.70	22.68	22.80
8330.1	3630.1	20.92	20.73	20.62
8430.1	3730.1	19.67	19.63	19.63
8550.1	3850.1	18.10	18.19	18.27
8650.1	3950.1	16.51	17.06	17.74
8770.1	4070.1	15.39	16.11	16.94
8870.1	4170.1	14.25	15.08	15.83
8990.1	4290.1	14.02	14.20	14.85
9090.1	4390.1	14.68	14.37	14.29

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1) @LO (dBm)		
		+17	+20	+23
4750.1	50.1	2.87	2.72	2.61
4830.1	130.1	3.30	3.09	2.94
4950.1	250.1	2.93	2.73	2.59
5070.1	370.1	2.58	2.39	2.21
5190.1	490.1	2.42	2.15	1.97
5310.1	610.1	2.28	1.97	1.85
5430.1	730.1	2.16	1.91	1.74
5550.1	850.1	2.00	1.83	1.72
5670.1	970.1	1.90	1.72	1.61
5790.1	1090.1	2.04	1.83	1.71
5910.1	1210.1	2.24	2.03	1.90
6010.1	1310.1	2.26	2.08	1.94
6130.1	1430.1	2.08	1.93	1.83
6230.1	1530.1	1.91	1.77	1.70
6350.1	1650.1	1.86	1.66	1.57
6450.1	1750.1	1.92	1.73	1.63
6570.1	1870.1	1.85	1.71	1.64
6670.1	1970.1	1.84	1.73	1.71
6790.1	2090.1	1.81	1.72	1.77
6890.1	2190.1	1.92	1.81	1.84
7010.1	2310.1	2.24	2.17	2.25
7110.1	2410.1	2.18	2.08	2.14
7230.1	2530.1	2.11	2.02	2.07
7330.1	2630.1	2.46	2.31	2.32
7450.1	2750.1	2.60	2.44	2.40
7550.1	2850.1	2.73	2.57	2.49
7670.1	2970.1	2.50	2.34	2.24
7770.1	3070.1	2.20	2.04	1.95
7890.1	3190.1	1.83	1.69	1.62
7990.1	3290.1	1.82	1.70	1.64
8110.1	3410.1	2.27	2.17	2.12
8210.1	3510.1	2.94	2.84	2.76
8330.1	3630.1	3.82	3.65	3.45
8430.1	3730.1	4.29	4.09	3.85
8550.1	3850.1	4.37	4.20	3.98
8650.1	3950.1	4.40	4.26	4.14
8770.1	4070.1	3.95	3.79	3.69
8870.1	4170.1	3.60	3.40	3.28
8990.1	4290.1	3.42	3.17	2.97
9090.1	4390.1	3.62	3.21	3.07

LO (MHz)	LO VSWR (:1) @LO (dBm)		
	+17	+20	+23
50.1	1.82	4.08	13.09
130.1	1.57	2.52	3.92
250.1	1.58	2.28	3.24
370.1	1.60	2.16	2.97
490.1	1.59	2.04	2.81
610.1	1.55	1.96	2.71
730.1	1.51	1.85	2.53
850.1	1.62	1.77	2.35
970.1	1.79	1.72	2.18
1090.1	2.01	1.67	1.97
1210.1	2.20	1.64	1.80
1310.1	2.27	1.56	1.63
1430.1	2.43	1.49	1.42
1530.1	2.54	1.46	1.27
1650.1	2.61	1.44	1.10
1750.1	2.62	1.46	1.06
1870.1	2.55	1.49	1.24
1970.1	2.50	1.54	1.39
2090.1	2.51	1.67	1.65
2190.1	2.54	1.83	1.90
2310.1	2.73	2.10	2.23
2410.1	2.79	2.28	2.49
2530.1	2.77	2.44	2.72
2630.1	2.72	2.60	2.95
2750.1	2.78	2.89	3.37
2850.1	2.78	3.05	3.62
2970.1	2.79	3.30	4.08
3070.1	3.01	3.59	4.39
3190.1	3.07	3.76	4.57
3290.1	3.18	3.99	4.87
3410.1	3.28	4.04	4.60
3510.1	3.47	4.27	4.80
3630.1	3.79	4.59	5.03
3730.1	4.06	4.84	5.23
3850.1	4.68	5.58	6.26
3950.1	5.07	5.95	6.58
4070.1	5.59	6.39	7.08
4170.1	5.93	6.51	7.00
4290.1	6.37	6.35	6.30
4390.1	6.89	6.53	6.39

IF (OUT) (MHz)	IF VSWR @LO=1330MHz (:1) @LO (dBm)		
	+17	+20	+23
2600.1	3.78	3.70	3.58
2720.1	3.17	3.05	2.93
2840.1	2.78	2.66	2.54
2960.1	2.53	2.41	2.31
3080.1	2.28	2.17	2.09
3200.1	1.98	1.90	1.85
3320.1	1.76	1.71	1.69
3440.1	1.64	1.61	1.62
3560.1	1.56	1.55	1.59
3680.1	1.48	1.49	1.56
3800.1	1.39	1.43	1.53
3920.1	1.39	1.49	1.63
4040.1	1.42	1.58	1.74
4160.1	1.46	1.63	1.78
4280.1	1.43	1.61	1.75
4400.1	1.57	1.77	1.91
4520.1	1.62	1.82	1.95
4640.1	1.71	1.89	2.02
4760.1	1.91	2.10	2.22
4900.1	2.04	2.17	2.27
5020.1	2.33	2.43	2.51
5160.1	2.78	2.84	2.91
5280.1	2.89	2.88	2.92
5420.1	2.99	2.94	2.95
5540.1	3.20	3.09	3.06
5680.1	3.31	3.20	3.16
5800.1	3.38	3.25	3.19
5940.1	3.02	2.90	2.84
6060.1	2.94	2.80	2.73
6200.1	2.99	2.82	2.71
6320.1	2.65	2.50	2.39
6460.1	2.31	2.16	2.04
6580.1	2.00	1.85	1.72
6720.1	1.57	1.44	1.34
6840.1	1.35	1.27	1.22
6980.1	1.35	1.39	1.44
7100.1	1.66	1.74	1.80
7240.1	2.19	2.27	2.34
7360.1	2.60	2.66	2.72
7500.1	3.29	3.27	3.26

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	5.35	2.25	-8.99	3.64	-18.62	-2.25	-9.64	-14.16	-22.64	-13.14
1	---	-21.91	---	-32.93	-13.51	-39.10	-37.93	-52.02	-26.53	-54.09	-28.56	-44.70
2	-93.30	-52.60	-60.08	-56.41	-50.76	-64.57	-61.83	-54.02	-64.46	-46.36	-61.47	-63.79
3	-107.38	-86.94	-93.77	-92.23	-89.52	-75.70	-81.39	-84.99	-92.60	-78.31	-76.44	-83.19
4	-103.53	-96.31	-97.46	-98.37	-97.78	-98.90	-99.51	-99.04	-100.91	-101.76	-103.38	-103.03
5	-103.15	-74.54	-74.81	-96.78	-95.36	-93.73	-98.03	-99.65	-95.74	-99.00	-100.95	-98.85
6	-103.45	-74.83	-74.64	-74.69	-75.17	-75.42	-75.56	-75.78	-75.88	-96.87	-96.64	-95.65
7	-101.74	-74.32	-74.47	-74.61	-75.13	-75.61	-75.08	-75.72	-75.75	-76.34	-75.71	-76.36
8	-101.59	-74.41	-75.13	-75.08	-75.32	-75.27	-75.22	-76.03	-76.06	-76.14	-75.81	-76.23
9	-101.01	-74.16	-74.92	-75.00	-75.19	-75.39	-75.30	-75.95	-75.61	-75.98	-76.14	-76.37
10	-103.37	-74.70	-75.12	-75.18	-75.40	-75.31	-75.54	-76.34	-76.39	-75.77	-76.42	-75.67
	RF CAL	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**

Test conditions:
RF IN: 5780 MHz; -5 dBm.
LO IN: 1080 MHz; +20.00 dBm
IF OUT: 47000 MHz; -12.24 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	-4.01	-6.66	-18.02	-6.11	-29.63	-12.71	-20.69	-24.78	-32.95	-24.50
1	---	-21.38	---	-32.56	-12.18	-39.18	-37.72	-51.84	-27.04	-47.40	-30.86	-48.40
2	-83.63	-42.26	-50.33	-46.49	-40.78	-56.99	-52.30	-45.25	-53.23	-32.16	-52.91	-54.74
3	-116.90	-66.37	-73.75	-74.42	-69.70	-55.27	-60.36	-66.14	-70.04	-60.12	-58.90	-63.31
4	-113.47	-96.77	-87.45	-94.59	-91.33	-104.18	-90.22	-89.24	-89.67	-83.36	-78.04	-76.91
5	-112.55	-89.25	-89.07	-105.30	-102.14	-103.87	-106.84	-107.13	-105.96	-109.00	-108.40	-108.76
6	-113.76	-88.06	-88.21	-88.84	-88.57	-89.12	-88.99	-88.67	-88.47	-104.79	-102.46	-107.83
7	-112.43	-89.15	-87.70	-88.67	-88.59	-88.67	-89.12	-89.29	-88.66	-88.91	-88.50	-88.84
8	-112.83	-89.33	-88.94	-88.19	-88.33	-88.62	-88.66	-88.95	-88.66	-88.26	-88.19	-89.15
9	-114.73	-89.04	-88.66	-88.26	-88.30	-88.42	-88.63	-89.05	-88.26	-88.76	-88.17	-88.73
10	-114.05	-88.35	-88.19	-88.50	-88.32	-89.49	-88.62	-88.70	-89.82	-88.79	-89.30	-87.77
	RF CAL	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**

LO HARMONICS ORDER

Test conditions:
RF IN: 5780 MHz; +5 dBm.
LO IN: 1080 MHz; +20.00 dBm
IF OUT: 47000 MHz; -2.53 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.