Frequency Mixer SIM-14+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB) @LO (dBm)		
		+4	+7	+10
2800.0	2830.0	19.73	14.16	9.61
3025.0	3055.0	15.84	10.12	7.16
3250.0	3280.0	13.26	8.71	6.56
3475.0	3505.0	8.83	6.73	5.95
3700.0	3730.0	7.11	6.49	6.17
3925.0	3955.0	6.98	6.65	6.44
4150.0	4180.0	6.98	6.70	6.53
4375.0	4405.0	7.15	6.93	6.77
4600.0	4630.0	6.84	6.62	6.52
4825.0	4855.0	6.74	6.48	6.33
5050.0	5080.0	7.22	6.88	6.67
5275.0	5305.0	7.80	7.33	7.03
5500.0	5530.0	7.70	7.27	7.00
5725.0	5755.0	7.27	6.89	6.65
5950.0	5980.0	7.06	6.66	6.47
6175.0	6205.0	6.89	6.45	6.24
6400.0	6430.0	6.91	6.38	6.14
6625.0	6655.0	6.93	6.41	6.09
6850.0	6880.0	6.85	6.35	6.03
7075.0	7105.0	6.39	5.95	5.75
7300.0	7330.0	6.35	5.90	5.70
7525.0	7555.0	6.44	5.89	5.71
7775.0	7805.0	6.76	6.25	6.03
8000.0	8030.0	6.70	6.32	6.17
8250.0	8280.0	7.07	6.74	6.63
8475.0	8505.0	7.49	7.25	7.16
8725.0	8755.0	7.49	7.18	7.10
8950.0	8980.0	8.18	7.86	7.69
9200.0	9230.0	7.90	7.58	7.49
9425.0	9455.0	8.38	8.08	7.98
9675.0	9705.0	8.29	8.01	7.92
9900.0	9930.0	8.87	8.57	8.50
10150.0	10180.0	9.09	8.72	8.61
10375.0	10405.0	9.73	9.31	9.15
10625.0	10655.0	9.98	9.49	9.31
10850.0	10880.0	10.11	9.50	9.31
11100.0	11130.0	10.81	9.83	9.56
11325.0	11355.0	11.81	10.29	9.94
11575.0	11605.0	12.06	10.48	10.10
11800.0	11830.0	12.70	10.23	9.83

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm) @LO (dBm)		
		+4	+7	+10
2800.0	2830.0	-8.80	-5.23	1.04
3025.0	3055.0	-6.65	-0.06	9.98
3250.0	3280.0	-4.40	3.40	9.78
3475.0	3505.0	1.76	5.99	10.71
3700.0	3730.0	5.33	8.44	12.31
3925.0	3955.0	7.16	9.46	11.87
4150.0	4180.0	8.72	10.10	11.72
4375.0	4405.0	9.85	11.24	12.03
4600.0	4630.0	10.78	13.66	17.42
4825.0	4855.0	13.53	15.85	18.37
5050.0	5080.0	18.06	18.93	19.25
5275.0	5305.0	17.03	16.01	15.30
5500.0	5530.0	14.73	15.98	15.25
5725.0	5755.0	11.63	14.09	14.80
5950.0	5980.0	10.74	13.54	14.90
6175.0	6205.0	9.78	11.41	13.53
6400.0	6430.0	9.36	9.66	11.48
6625.0	6655.0	8.89	8.87	9.96
6850.0	6880.0	7.30	8.01	8.93
7075.0	7105.0	6.24	7.32	8.35
7300.0	7330.0	6.07	7.78	9.05
7525.0	7555.0	7.47	7.98	8.89
7775.0	7805.0	8.76	9.80	9.33
8000.0	8030.0	11.52	12.88	10.68
8250.0	8280.0	13.88	14.90	13.49
8475.0	8505.0	15.05	15.20	13.02
8725.0	8755.0	13.59	16.23	14.01
8950.0	8980.0	15.68	14.77	16.82
9200.0	9230.0	15.16	15.35	16.64
9425.0	9455.0	16.37	16.60	17.14
9675.0	9705.0	14.38	16.49	16.83
9900.0	9930.0	15.34	17.44	17.41
10150.0	10180.0	13.94	16.81	16.91
10375.0	10405.0	14.72	17.43	17.56
10625.0	10655.0	13.58	17.50	18.09
10850.0	10880.0	12.76	16.78	18.24
11100.0	11130.0	13.41	15.50	17.41
11325.0	11355.0	14.94	14.66	17.23
11575.0	11605.0	17.01	14.98	17.46
11800.0	11830.0	11.94	14.09	16.56

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+1dBm (dB) @LO (dBm)		
		+4	+7	+10
2800.0	2830.0	-4.23	-1.57	1.00
3025.0	3055.0	-2.67	0.59	2.07
3250.0	3280.0	-1.61	1.09	1.79
3475.0	3505.0	1.47	1.89	1.51
3700.0	3730.0	1.98	1.33	0.99
3925.0	3955.0	1.37	0.95	0.72
4150.0	4180.0	1.16	0.81	0.61
4375.0	4405.0	0.76	0.53	0.41
4600.0	4630.0	0.59	0.34	0.23
4825.0	4855.0	0.54	0.35	0.25
5050.0	5080.0	0.44	0.30	0.22
5275.0	5305.0	0.31	0.24	0.22
5500.0	5530.0	0.38	0.29	0.26
5725.0	5755.0	0.53	0.45	0.40
5950.0	5980.0	0.49	0.44	0.40
6175.0	6205.0	0.57	0.50	0.47
6400.0	6430.0	0.60	0.54	0.49
6625.0	6655.0	0.66	0.56	0.51
6850.0	6880.0	0.74	0.59	0.50
7075.0	7105.0	1.09	0.79	0.65
7300.0	7330.0	1.18	0.82	0.63
7525.0	7555.0	1.14	0.71	0.56
7775.0	7805.0	0.92	0.59	0.51
8000.0	8030.0	0.98	0.66	0.55
8250.0	8280.0	0.68	0.51	0.45
8475.0	8505.0	0.47	0.36	0.34
8725.0	8755.0	0.49	0.33	0.27
8950.0	8980.0	0.32	0.27	0.30
9200.0	9230.0	0.35	0.31	0.36
9425.0	9455.0	0.27	0.28	0.37
9675.0	9705.0	0.31	0.32	0.39
9900.0	9930.0	0.25	0.27	0.30
10150.0	10180.0	0.28	0.27	0.29
10375.0	10405.0	0.19	0.19	0.22
10625.0	10655.0	0.12	0.16	0.17
10850.0	10880.0	0.09	0.11	0.16
11100.0	11130.0	0.09	0.10	0.14
11325.0	11355.0	-0.05	0.05	0.11
11575.0	11605.0	-0.10	0.02	0.09
11800.0	11830.0	-0.45	0.00	0.09

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=6850MHz (dB) @LO (dBm) +7
3609.9	3240.1	11.47
3431.7	3418.3	9.96
3253.5	3596.5	9.36
3075.3	3774.7	9.18
2897.0	3953.0	8.95
2718.8	4131.2	8.48
2540.6	4309.4	8.42
2362.4	4487.6	8.61
2184.2	4665.8	8.81
2006.0	4844.0	8.70
1827.8	5022.2	8.28
1631.7	5218.3	7.96
1453.5	5396.5	7.57
1257.5	5592.5	6.85
1079.3	5770.7	6.12
883.2	5966.8	5.71
705.0	6145.0	5.71
509.0	6341.0	5.76
330.8	6519.2	5.91
134.7	6715.3	6.07
54.4	6904.4	6.32
298.3	7148.3	6.70
520.1	7370.1	6.64
764.1	7614.1	7.02
985.9	7835.9	7.13
1229.8	8079.8	7.21
1451.6	8301.6	7.06
1695.6	8545.6	7.05
1917.4	8767.4	6.95
2161.3	9011.3	7.22
2383.1	9233.1	7.34
2627.1	9477.1	7.50
2848.9	9698.9	7.80
3092.8	9942.8	7.94
3314.6	10164.6	8.62
3558.6	10408.6	9.27
3780.4	10630.4	9.99
4024.3	10874.3	9.52
4246.1	11096.1	10.01
4490.1	11340.1	11.06

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3690MHz (dB) @LO (dBm) +7
10.1	3700.1	6.72
130.1	3820.1	6.24
250.1	3940.1	6.07
370.1	4060.1	5.97
490.1	4180.1	6.06
610.1	4300.1	6.19
730.1	4420.1	6.28
850.1	4540.1	6.41
970.1	4660.1	6.58
1090.1	4780.1	6.68
1210.1	4900.1	6.91
1330.1	5020.1	7.28
1450.1	5140.1	7.68
1570.1	5260.1	8.14
1690.1	5380.1	8.53
1810.1	5500.1	8.51
1930.1	5620.1	8.66
2050.1	5740.1	8.73
2170.1	5860.1	8.84
2290.1	5980.1	8.75
2410.1	6100.1	8.62
2530.1	6220.1	8.53
2650.1	6340.1	8.38
2770.1	6460.1	8.45
2890.1	6580.1	8.50
3010.1	6700.1	8.57
3130.1	6820.1	8.73
3250.1	6940.1	8.50
3370.1	7060.1	8.16
3490.1	7180.1	8.00
3610.1	7300.1	7.77
3730.1	7420.1	7.70
3850.1	7540.1	7.61
3970.1	7660.1	7.77
4090.1	7780.1	8.17
4210.1	7900.1	8.37
4330.1	8020.1	8.95
4450.1	8140.1	9.78
4570.1	8260.1	10.79
4710.1	8400.1	12.10

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=10010.099MHz (dB) @LO (dBm) +7
4010.0	6000.1	10.85
3910.0	6100.1	10.41
3810.0	6200.1	10.15
3710.0	6300.1	10.05
3610.0	6400.1	10.04
3510.0	6500.1	10.04
3410.0	6600.1	10.18
3310.0	6700.1	10.22
3210.0	6800.1	10.50
3110.0	6900.1	10.57
3010.0	7000.1	10.52
2910.0	7100.1	10.73
2810.0	7200.1	10.93
2710.0	7300.1	10.85
2610.0	7400.1	10.68
2510.0	7500.1	10.62
2410.0	7600.1	10.67
2310.0	7700.1	10.51
2210.0	7800.1	10.36
2110.0	7900.1	10.24
2010.0	8000.1	10.21
1910.0	8100.1	10.06
1810.0	8200.1	9.92
1710.0	8300.1	9.85
1610.0	8400.1	9.90
1510.0	8500.1	10.03
1410.0	8600.1	10.05
1310.0	8700.1	9.91
1210.0	8800.1	9.92
1110.0	8900.1	9.95
990.0	9020.1	9.95
890.0	9120.1	9.80
770.0	9240.1	9.46
670.0	9340.1	9.15
550.0	9460.1	8.97
450.0	9560.1	8.91
330.0	9680.1	8.75
230.0	9780.1	8.73
110.0	9900.1	8.70
10.0	10000.1	8.82

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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
2830.0	38.59	39.21	39.90	21.22	21.25	21.53
3055.0	37.89	39.23	38.04	20.26	20.43	21.18
3280.0	36.69	38.88	38.02	19.42	19.82	20.87
3505.0	39.26	42.54	42.52	18.78	19.45	20.75
3730.0	45.88	48.55	46.25	18.80	20.04	21.01
3955.0	48.45	44.53	41.81	18.76	19.72	20.11
4180.0	40.46	38.48	36.87	18.89	19.16	18.88
4405.0	38.49	37.39	36.44	17.71	17.31	16.61
4630.0	39.97	39.02	38.34	16.96	16.04	15.54
4855.0	43.62	41.29	39.99	16.59	15.21	14.49
5080.0	43.30	42.30	41.38	15.66	14.26	13.47
5305.0	39.65	40.44	40.96	14.69	13.77	13.05
5530.0	38.15	38.51	39.05	14.08	13.58	12.99
5755.0	37.71	37.63	37.91	13.52	13.62	13.43
5980.0	38.10	38.94	39.38	13.19	13.66	13.84
6205.0	35.76	37.18	38.22	12.83	13.80	14.39
6430.0	34.73	36.38	37.86	12.81	13.88	14.91
6655.0	33.34	35.12	36.59	12.72	14.16	15.33
6880.0	32.53	34.68	36.88	12.96	14.67	16.19
7105.0	33.11	34.58	35.74	13.31	15.01	16.79
7330.0	33.82	34.95	34.59	13.12	14.84	16.41
7555.0	33.73	33.87	32.81	13.55	14.92	16.14
7805.0	34.75	33.36	31.71	14.01	14.66	15.00
8030.0	34.89	32.04	29.91	14.73	14.62	13.88
8280.0	38.03	33.84	31.07	16.32	14.97	13.75
8505.0	45.50	45.31	40.73	18.71	17.16	15.98
8755.0	35.82	35.17	34.43	21.52	20.40	19.53
8980.0	32.49	31.44	30.46	23.70	23.11	22.42
9230.0	29.40	28.53	27.83	23.85	23.91	23.74
9455.0	27.64	27.35	26.77	23.04	23.05	22.52
9705.0	27.12	27.04	26.74	21.43	21.41	20.85
9930.0	27.51	27.57	27.75	19.81	19.82	19.85
10180.0	28.41	28.62	28.87	18.70	19.26	19.59
10405.0	29.86	30.42	30.59	20.04	21.30	21.77
10655.0	32.76	33.08	33.45	22.17	23.37	24.17
10880.0	35.73	35.92	36.06	23.89	25.05	25.93
11130.0	37.31	37.62	37.48	25.33	26.61	27.36
11355.0	39.38	38.83	38.13	25.67	26.76	27.23
11605.0	45.34	42.24	40.17	26.26	27.18	27.82
11830.0	49.75	47.17	42.33	26.54	27.12	27.91

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB) @LO (dBm)		
		+4	+7	+10
2800.0	2830.0	14.90	15.25	15.57
3025.0	3055.0	15.74	17.47	16.25
3250.0	3280.0	17.48	19.78	17.92
3475.0	3505.0	20.57	21.53	21.52
3700.0	3730.0	24.16	24.55	24.03
3925.0	3955.0	22.74	21.86	20.64
4150.0	4180.0	19.11	18.33	17.67
4375.0	4405.0	17.94	17.36	16.86
4600.0	4630.0	17.93	17.37	16.95
4825.0	4855.0	19.47	18.95	18.46
5050.0	5080.0	21.77	21.23	20.80
5275.0	5305.0	24.09	23.49	22.92
5500.0	5530.0	22.97	22.67	22.41
5725.0	5755.0	21.84	21.63	21.47
5950.0	5980.0	21.61	21.31	21.02
6175.0	6205.0	21.69	21.43	21.16
6400.0	6430.0	22.09	21.87	21.69
6625.0	6655.0	23.64	23.53	23.45
6850.0	6880.0	27.17	27.18	27.16
7075.0	7105.0	30.28	30.19	30.10
7300.0	7330.0	30.15	30.25	30.25
7525.0	7555.0	26.72	26.80	26.78
7775.0	7805.0	21.43	21.30	21.29
8000.0	8030.0	17.86	17.67	17.52
8250.0	8280.0	16.04	15.78	15.52
8475.0	8505.0	16.83	16.40	16.04
8725.0	8755.0	24.49	23.44	22.46
8950.0	8980.0	32.54	32.56	31.37
9200.0	9230.0	35.96	36.18	36.00
9425.0	9455.0	26.87	26.89	27.13
9675.0	9705.0	22.38	22.33	22.48
9900.0	9930.0	20.50	20.57	20.76
10150.0	10180.0	19.61	19.97	20.32
10375.0	10405.0	19.23	19.58	19.92
10625.0	10655.0	20.14	20.46	20.68
10850.0	10880.0	20.98	21.28	21.43
11100.0	11130.0	21.07	21.44	21.57
11325.0	11355.0	21.09	21.65	21.70
11575.0	11605.0	21.84	22.23	22.21
11800.0	11830.0	22.34	22.97	22.88

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Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1) @LO (dBm)		
		+4	+7	+10
2800.0	2830.0	4.70	3.25	2.06
3025.0	3055.0	4.09	2.51	1.73
3250.0	3280.0	3.49	2.27	1.88
3475.0	3505.0	2.66	2.28	2.20
3700.0	3730.0	2.84	2.75	2.73
3925.0	3955.0	3.33	3.24	3.18
4150.0	4180.0	3.53	3.36	3.24
4375.0	4405.0	3.36	3.20	3.08
4600.0	4630.0	3.07	2.88	2.77
4825.0	4855.0	3.41	3.15	2.94
5050.0	5080.0	4.09	3.79	3.53
5275.0	5305.0	5.00	4.62	4.29
5500.0	5530.0	5.17	4.83	4.55
5725.0	5755.0	4.30	4.02	3.83
5950.0	5980.0	3.73	3.45	3.26
6175.0	6205.0	3.45	3.14	2.95
6400.0	6430.0	3.22	2.84	2.62
6625.0	6655.0	2.92	2.57	2.29
6850.0	6880.0	2.51	2.22	1.96
7075.0	7105.0	1.93	1.67	1.49
7300.0	7330.0	1.46	1.28	1.17
7525.0	7555.0	1.46	1.39	1.42
7775.0	7805.0	1.78	1.76	1.77
8000.0	8030.0	1.83	1.84	1.90
8250.0	8280.0	2.08	2.13	2.23
8475.0	8505.0	2.95	3.01	3.08
8725.0	8755.0	3.79	3.70	3.64
8950.0	8980.0	4.43	4.31	4.17
9200.0	9230.0	3.77	3.65	3.59
9425.0	9455.0	4.19	4.09	4.02
9675.0	9705.0	5.38	5.30	5.16
9900.0	9930.0	5.72	5.54	5.38
10150.0	10180.0	4.59	4.34	4.25
10375.0	10405.0	4.27	4.09	4.05
10625.0	10655.0	6.05	5.85	5.66
10850.0	10880.0	8.64	8.31	7.80
11100.0	11130.0	7.28	6.61	6.17
11325.0	11355.0	5.56	4.84	4.63
11575.0	11605.0	5.58	4.84	4.63
11800.0	11830.0	5.63	4.89	4.60

LO (MHz)	LO VSWR (:1) @LO (dBm)		
	+4	+7	+10
2830.0	22.58	22.29	21.20
3055.0	22.00	20.95	17.57
3280.0	20.45	17.39	13.39
3505.0	15.00	10.96	10.31
3730.0	7.47	7.53	8.51
3955.0	4.87	5.79	7.00
4180.0	3.66	4.61	5.66
4405.0	2.89	3.70	4.59
4630.0	2.23	2.86	3.58
4855.0	1.88	2.25	2.74
5080.0	1.59	1.74	2.09
5305.0	1.34	1.45	1.80
5530.0	1.17	1.47	1.90
5755.0	1.28	1.68	2.18
5980.0	1.52	1.95	2.50
6205.0	1.79	2.24	2.77
6430.0	2.08	2.51	3.05
6655.0	2.39	2.77	3.26
6880.0	2.64	2.91	3.38
7105.0	2.92	2.96	3.29
7330.0	3.15	2.86	3.06
7555.0	3.45	3.01	3.00
7805.0	3.46	2.91	2.78
8030.0	3.40	2.73	2.50
8280.0	2.89	2.30	2.09
8505.0	2.39	1.90	1.74
8755.0	2.14	1.67	1.54
8980.0	1.78	1.50	1.57
9230.0	1.78	1.53	1.66
9455.0	1.77	1.62	1.80
9705.0	1.74	1.58	1.77
9930.0	1.75	1.67	1.92
10180.0	2.02	1.93	2.18
10405.0	2.49	2.36	2.58
10655.0	3.14	2.81	2.92
10880.0	3.77	3.13	3.08
11130.0	4.66	3.53	3.27
11355.0	5.70	4.09	3.53
11605.0	6.56	4.59	3.76
11830.0	7.22	5.02	3.82

IF (OUT) (MHz)	IF VSWR @LO=10000MHz (:1) @LO (dBm)		
	+4	+7	+10
10.0	1.09	1.07	1.19
110.0	1.14	1.10	1.19
210.0	1.23	1.18	1.23
310.0	1.33	1.27	1.30
410.0	1.42	1.36	1.37
510.0	1.54	1.46	1.45
610.0	1.65	1.56	1.53
710.0	1.75	1.63	1.59
810.0	1.85	1.71	1.64
910.0	1.98	1.82	1.73
1030.0	2.07	1.87	1.76
1130.0	2.22	2.00	1.87
1250.0	2.38	2.14	1.98
1350.0	2.54	2.28	2.10
1470.0	2.63	2.35	2.16
1570.0	2.74	2.44	2.23
1690.0	2.84	2.50	2.27
1790.0	2.91	2.54	2.30
1910.0	2.91	2.53	2.28
2010.0	2.87	2.49	2.24
2130.0	2.86	2.47	2.22
2230.0	2.81	2.43	2.18
2350.0	2.79	2.41	2.15
2450.0	2.68	2.32	2.09
2570.0	2.54	2.21	1.99
2670.0	2.44	2.14	1.95
2790.0	2.35	2.08	1.91
2890.0	2.28	2.04	1.89
3010.0	2.17	1.96	1.86
3110.0	2.17	2.00	1.93
3230.0	2.20	2.08	2.04
3330.0	2.28	2.20	2.18
3450.0	2.39	2.35	2.35
3550.0	2.53	2.52	2.55
3670.0	2.70	2.74	2.78
3770.0	2.82	2.90	2.96
3890.0	3.08	3.19	3.26
3990.0	3.27	3.42	3.51
4110.0	3.35	3.50	3.63
4210.0	3.42	3.59	3.74

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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+13	37	10	---	---	---	---	---	---	---
1	-	21	+0	42	25	43	---	---	---	---	---	---
2	87	59	47	54	48	64	56	---	---	---	---	---
3	>90	>70	69	>70	58	>70	>70	>70	---	---	---	---
4	---	---	>70	>70	>70	>70	>70	>70	>70	---	---	---
5	---	---	---	>70	>70	>70	>70	>70	>70	>70	---	---
6	---	---	---	---	>70	>70	>70	>70	>70	>70	>70	---
7	---	---	---	---	---	>70	>70	>70	>70	>70	>70	>70
8	---	---	---	---	---	---	>70	>70	>70	>70	>70	>70
9	---	---	---	---	---	---	---	>70	>70	>70	>70	>70
10	---	---	---	---	---	---	---	---	>70	>70	>70	>70
RF CAL		0	1	2	3	4	5	6	7	8	9	10

Test conditions:
RF IN: 6850 MHz; -14.00 dBm.
LO IN: 6880 MHz; +7.00 dBm
IF OUT: 30 MHz; -20.47 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+3	49	22	---	---	---	---	---	---	---
1	-	21	+0	45	25	49	---	---	---	---	---	---
2	67	50	37	41	40	61	49	---	---	---	---	---
3	>90	51	49	61	37	60	62	69	---	---	---	---
4	---	---	78	70	61	61	60	70	74	---	---	---
5	---	---	---	78	71	>79	55	78	68	>79	---	---
6	---	---	---	---	>79	>79	>79	74	74	>79	75	---
7	---	---	---	---	---	>79	>79	>79	70	>79	>79	>79
8	---	---	---	---	---	---	>79	>79	>79	>79	>79	>79
9	---	---	---	---	---	---	---	>79	>79	>79	>79	>79
10	---	---	---	---	---	---	---	---	>79	>79	>79	>79
RF CAL		0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 6850 MHz; -4.00 dBm.
LO IN: 6880 MHz; +7.00 dBm
IF OUT: 30 MHz; -10.55 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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