

## Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=29.9MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP-3 INPUT (dBm)			RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+1dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+4	+7	+10			+4	+7	+10			+4	+7	+10
2560.0	2530.1	7.44	6.90	6.75	2560.0	2530.1	7.01	6.75	6.47	2560.0	2530.1	1.57	1.53	1.48
2620.0	2590.1	6.97	6.58	6.42	2620.0	2590.1	6.34	5.87	5.61	2620.0	2590.1	1.71	1.57	1.50
2710.0	2680.1	6.82	6.45	6.33	2710.0	2680.1	6.39	6.09	5.77	2710.0	2680.1	1.73	1.59	1.43
2800.0	2770.1	6.60	6.35	6.26	2800.0	2770.1	6.22	5.88	5.88	2800.0	2770.1	1.71	1.52	1.32
2866.0	2836.1	6.65	6.42	6.40	2866.0	2836.1	6.60	6.63	7.36	2866.0	2836.1	1.58	1.41	1.18
3028.0	2998.1	6.11	5.90	5.87	3028.0	2998.1	8.54	8.80	8.91	3028.0	2998.1	1.46	1.33	1.19
3271.0	3241.1	5.85	5.58	5.46	3271.0	3241.1	8.04	8.20	8.28	3271.0	3241.1	1.37	1.17	1.03
3433.0	3403.1	5.54	5.39	5.32	3433.0	3403.1	9.19	9.52	9.52	3433.0	3403.1	1.37	1.07	0.91
3676.0	3646.1	5.34	5.18	5.15	3676.0	3646.1	10.29	11.03	11.18	3676.0	3646.1	0.84	0.59	0.53
3919.0	3889.1	5.53	5.40	5.34	3919.0	3889.1	12.45	14.76	15.40	3919.0	3889.1	0.72	0.38	0.28
4081.0	4051.1	6.83	6.53	6.36	4081.0	4051.1	15.28	17.57	19.80	4081.0	4051.1	1.17	0.80	0.58
4324.0	4294.1	7.28	6.76	6.53	4324.0	4294.1	12.83	13.93	14.43	4324.0	4294.1	0.94	0.83	0.68
4486.0	4456.1	6.90	6.50	6.33	4486.0	4456.1	10.27	11.88	13.14	4486.0	4456.1	0.75	0.52	0.40
4729.0	4699.1	7.89	7.25	6.89	4729.0	4699.1	15.61	14.18	13.89	4729.0	4699.1	0.51	0.43	0.31
4891.0	4861.1	7.35	6.87	6.59	4891.0	4861.1	8.13	9.06	9.87	4891.0	4861.1	0.72	0.63	0.51
5080.0	5050.1	6.51	6.15	5.98	5080.0	5050.1	7.74	8.69	9.13	5080.0	5050.1	0.86	0.78	0.71
5230.0	5200.1	6.40	5.93	5.73	5230.0	5200.1	7.88	8.62	9.69	5230.0	5200.1	0.66	0.63	0.57
5330.0	5300.1	6.34	5.90	5.72	5330.0	5300.1	8.14	9.48	9.69	5330.0	5300.1	0.75	0.60	0.53
5480.0	5450.1	6.38	5.96	5.75	5480.0	5450.1	8.60	10.41	11.61	5480.0	5450.1	0.73	0.55	0.50
5600.0	5570.1	6.40	6.10	5.97	5600.0	5570.1	9.71	11.87	13.04	5600.0	5570.1	0.77	0.48	0.39
6311.0	6281.1	6.74	6.26	6.16	6311.0	6281.1	8.14	9.17	10.11	6311.0	6281.1	0.80	0.73	0.59
6785.0	6755.1	6.29	5.81	5.71	6785.0	6755.1	7.23	8.91	10.06	6785.0	6755.1	0.82	0.63	0.56
7496.0	7466.1	6.12	5.73	5.72	7496.0	7466.1	8.08	8.42	9.40	7496.0	7466.1	0.86	0.65	0.67
7970.0	7940.1	6.00	5.73	6.02	7970.0	7940.1	7.34	8.24	11.73	7970.0	7940.1	1.21	0.83	0.71
8100.0	8070.1	6.12	5.78	5.91	8100.0	8070.1	7.84	10.39	15.28	8100.0	8070.1	1.13	0.75	0.75
8250.0	8220.1	5.56	5.55	5.55	8250.0	8220.1	10.03	12.05	14.32	8250.0	8220.1	1.56	0.78	0.83
8350.0	8320.1	5.90	5.58	5.61	8350.0	8320.1	11.41	13.20	14.06	8350.0	8320.1	1.05	0.62	0.65
8500.0	8470.1	5.49	5.58	5.71	8500.0	8470.1	11.44	16.11	17.17	8500.0	8470.1	1.43	0.53	0.43
8600.0	8570.1	6.31	6.10	6.13	8600.0	8570.1	7.64	13.63	18.58	8600.0	8570.1	1.16	0.55	0.45
8750.0	8720.1	5.98	6.07	5.98	8750.0	8720.1	13.22	12.64	10.67	8750.0	8720.1	2.12	1.25	1.24
8850.0	8820.1	6.43	6.15	5.97	8850.0	8820.1	13.07	10.58	8.81	8850.0	8820.1	1.95	1.39	1.55
9000.0	8970.1	5.85	5.90	5.95	9000.0	8970.1	12.81	9.18	6.67	9000.0	8970.1	2.82	1.95	1.86
9100.0	9070.1	6.57	6.33	6.54	9100.0	9070.1	11.03	7.55	5.74	9100.0	9070.1	2.46	2.01	1.81
9200.0	9170.1	6.96	7.04	7.84	9200.0	9170.1	6.74	5.42	6.79	9200.0	9170.1	2.90	2.19	1.36
9350.0	9320.1	9.62	9.43	9.49	9350.0	9320.1	3.54	9.17	12.18	9350.0	9320.1	2.06	1.26	0.75
9450.0	9420.1	8.76	8.27	8.10	9450.0	9420.1	7.71	9.11	9.58	9450.0	9420.1	2.37	1.34	1.07
9600.0	9570.1	7.65	7.44	7.45	9600.0	9570.1	8.19	10.08	10.82	9600.0	9570.1	1.53	0.89	0.68
9700.0	9670.1	6.97	6.80	6.88	9700.0	9670.1	11.63	11.48	11.77	9700.0	9670.1	1.41	0.82	0.60
9850.0	9820.1	6.81	6.43	6.29	9850.0	9820.1	11.34	11.24	10.99	9850.0	9820.1	1.21	0.73	0.68
10000.0	9970.1	6.74	6.48	6.39	10000.0	9970.1	10.80	11.76	11.49	10000.0	9970.1	1.10	0.73	0.68

# Frequency Mixer

# MCA1T-85+

## Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=5650MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2800MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=8500MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+4			+4			+4
2500.0	3150.0	9.04	10.1	2810.1	7.20	2100.0	6400.0	9.22
2450.0	3200.0	9.04	30.1	2830.1	6.60	2080.0	6420.0	9.16
2400.0	3250.0	8.91	60.1	2860.1	6.52	2050.0	6450.0	9.76
2256.0	3394.0	9.08	80.1	2880.1	6.55	2030.0	6470.0	9.54
2141.0	3509.0	9.43	110.1	2910.1	6.50	2000.0	6500.0	9.82
2026.0	3624.0	9.60	185.1	2985.1	6.49	1975.0	6525.0	9.85
1911.0	3739.0	10.11	200.1	3000.1	6.44	1954.0	6546.0	9.92
1796.0	3854.0	11.20	210.1	3010.1	6.44	1940.0	6560.0	10.41
1646.0	4004.0	10.54	225.1	3025.1	6.42	1919.0	6581.0	9.73
1536.0	4114.0	10.23	235.1	3035.1	6.35	1905.0	6595.0	9.90
1426.0	4224.0	9.71	250.1	3050.1	6.45	1884.0	6616.0	11.00
1316.0	4334.0	9.10	260.1	3060.1	6.44	1870.0	6630.0	10.37
1180.0	4470.0	7.32	275.1	3075.1	6.39	1849.0	6651.0	10.41
1000.0	4650.0	6.79	290.1	3090.1	6.33	1828.0	6672.0	10.98
850.0	4800.0	6.23	300.1	3100.1	6.39	1814.0	6686.0	10.20
700.0	4950.0	5.71	370.0	3170.0	6.50	1770.0	6730.0	10.60
550.0	5100.0	5.29	458.0	3258.0	6.49	1718.0	6782.0	10.66
400.0	5250.0	5.58	590.0	3390.0	6.61	1640.0	6860.0	10.73
250.0	5400.0	6.02	678.0	3478.0	6.59	1588.0	6912.0	10.74
100.0	5550.0	6.13	810.0	3610.0	6.33	1510.0	6990.0	10.26
10.0	5660.0	7.12	898.0	3698.0	6.46	1458.0	7042.0	9.91
60.0	5710.0	6.15	1030.0	3830.0	6.53	1380.0	7120.0	9.47
110.0	5760.0	5.93	1118.0	3918.0	7.15	1328.0	7172.0	8.91
348.0	5998.0	6.24	1250.0	4050.0	7.30	1250.0	7250.0	8.28
553.0	6203.0	6.75	1329.0	4129.0	7.67	1180.0	7320.0	7.49
758.0	6408.0	6.77	1416.0	4216.0	8.70	1090.0	7410.0	7.00
963.0	6613.0	6.79	1503.0	4303.0	8.48	1000.0	7500.0	6.90
1168.0	6818.0	7.63	1561.0	4361.0	8.91	940.0	7560.0	6.64
1352.0	7002.0	8.64	1648.0	4448.0	8.98	850.0	7650.0	6.59
1407.0	7057.0	9.35	1706.0	4506.0	9.16	790.0	7710.0	6.45
1462.0	7112.0	10.12	1793.0	4593.0	10.09	700.0	7800.0	6.33
1517.0	7167.0	10.86	1851.0	4651.0	9.59	640.0	7860.0	6.20
1642.0	7292.0	10.72	1938.0	4738.0	10.20	550.0	7950.0	5.99
1774.0	7424.0	11.23	1996.0	4796.0	9.80	490.0	8010.0	5.85
1884.0	7534.0	11.40	2083.0	4883.0	8.95	400.0	8100.0	5.80
1994.0	7644.0	11.04	2141.0	4941.0	9.16	340.0	8160.0	5.79
2104.0	7754.0	11.02	2228.0	5028.0	8.92	250.0	8250.0	5.79
2214.0	7864.0	10.84	2286.0	5086.0	9.14	190.0	8310.0	5.74
2324.0	7974.0	10.80	2373.0	5173.0	9.64	100.0	8400.0	5.78
2434.0	8084.0	10.50	2460.0	5260.0	10.07	10.0	8490.0	6.46



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IF/RF MICROWAVE COMPONENTS

REV. X3

MCA1T-85+

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# Frequency Mixer

# MCA1T-85+

## 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)		
	+4	+7	+10	+4	+7	+10			+4	+7	+10
2560.0	45.05	51.76	47.52	8.23	7.97	7.48	2560.0	2530.1	35.21	37.00	41.95
2620.0	40.49	43.45	47.07	8.81	8.44	7.89	2620.0	2590.1	50.73	55.51	40.71
2710.0	38.21	38.29	38.65	10.26	9.54	8.80	2710.0	2680.1	35.41	34.00	32.38
2800.0	37.22	35.65	34.91	11.59	10.55	9.66	2800.0	2770.1	30.15	28.36	27.01
2896.0	44.50	40.47	37.21	12.49	11.33	10.32	2866.0	2836.1	28.17	26.38	25.29
3058.0	40.91	37.21	34.72	13.44	12.14	11.16	3028.0	2998.1	24.53	22.94	22.10
3301.0	52.90	44.37	38.32	13.84	13.05	12.38	3271.0	3241.1	20.74	19.44	18.53
3463.0	40.99	41.47	38.12	14.24	13.95	13.55	3433.0	3403.1	17.67	16.80	16.12
3706.0	29.36	29.07	29.11	13.06	13.51	13.73	3676.0	3646.1	14.63	13.84	13.28
3949.0	29.34	30.94	32.40	12.11	13.46	14.58	3919.0	3889.1	12.33	11.95	11.67
4111.0	27.30	29.73	31.20	11.87	13.48	15.04	4081.0	4051.1	11.66	11.50	11.33
4354.0	25.01	27.88	30.47	14.62	16.43	18.18	4324.0	4294.1	9.48	9.64	9.68
4516.0	26.64	28.79	30.10	17.30	18.83	20.03	4486.0	4456.1	9.97	10.19	10.31
4759.0	30.38	34.07	38.31	21.63	22.20	22.42	4729.0	4699.1	11.58	11.91	12.18
4921.0	32.84	37.65	43.33	24.06	23.86	23.49	4891.0	4861.1	12.38	12.57	12.73
5080.0	31.53	33.62	36.24	25.92	24.84	23.96	5077.0	5047.1	14.04	14.35	14.52
5230.0	36.89	38.03	38.66	27.67	26.19	25.03	5218.0	5188.1	15.25	15.65	16.02
5330.0	39.27	40.70	40.58	28.67	27.02	25.82	5312.0	5282.1	16.10	16.50	16.91
5480.0	39.22	39.42	38.63	30.13	28.22	26.89	5453.0	5423.1	17.91	18.21	18.52
5630.0	38.08	37.43	36.57	31.46	29.49	28.19	5600.0	5570.1	19.35	19.72	20.01
6341.0	35.33	34.51	35.05	42.74	39.70	37.49	6311.0	6281.1	28.84	28.59	28.34
6815.0	36.68	35.39	33.88	42.08	41.27	39.27	6785.0	6755.1	27.17	26.27	25.73
7526.0	32.55	29.86	28.09	34.94	34.25	31.09	7496.0	7466.1	22.71	24.30	25.20
8000.0	29.40	26.57	24.37	23.83	22.15	21.23	7970.0	7940.1	22.53	24.21	25.80
8100.0	28.87	25.83	23.51	22.83	22.28	21.10	8100.0	8070.1	23.16	24.02	24.56
8250.0	28.59	25.27	22.67	22.87	22.88	21.38	8250.0	8220.1	21.67	22.42	22.91
8350.0	26.96	24.31	21.95	23.34	23.49	22.00	8350.0	8320.1	21.11	21.95	22.71
8500.0	25.63	23.65	21.78	23.81	24.05	22.77	8500.0	8470.1	20.97	22.22	23.30
8600.0	25.14	24.17	22.91	24.11	24.65	23.63	8600.0	8570.1	20.76	21.93	22.85
8750.0	22.08	21.69	21.12	23.84	24.85	24.30	8750.0	8720.1	19.09	20.00	20.72
8850.0	20.33	20.10	19.74	24.10	25.25	25.04	8850.0	8820.1	19.45	20.40	21.17
9000.0	17.41	17.51	17.63	23.46	24.83	25.19	9000.0	8970.1	19.42	20.24	21.07
9130.0	16.67	16.43	16.78	23.67	25.19	25.86	9100.0	9070.1	20.44	20.95	21.88
9230.0	16.49	16.45	17.37	22.86	24.45	25.19	9200.0	9170.1	21.20	21.61	22.52
9380.0	17.07	18.45	19.39	22.01	23.64	24.48	9350.0	9320.1	24.09	24.76	25.04
9480.0	19.85	21.18	21.44	22.13	23.66	24.49	9450.0	9420.1	25.41	25.57	25.47
9630.0	23.75	24.28	23.38	26.97	26.94	27.18	9600.0	9570.1	26.77	26.25	24.92
9730.0	25.48	24.66	23.41	31.40	30.19	29.41	9700.0	9670.1	27.17	26.20	24.81
9880.0	26.69	24.65	23.12	37.14	35.09	33.58	9850.0	9820.1	27.70	26.53	25.46
10030.0	27.41	24.47	22.51	42.85	40.54	37.30	10000.0	9970.1	26.77	25.52	24.67



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IF/RF MICROWAVE COMPONENTS

# Frequency Mixer

# MCA1T-85+

## Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=8500MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+4	+7	+10		+4	+7	+10		+4	+7	+10
2530.0	2560.0	3.89	3.51	3.15	2560.0	2.37	2.58	2.95	10.0	1.29	1.11	1.33
2590.0	2620.0	3.77	3.42	3.14	2620.0	2.39	2.64	3.04	34.0	1.21	1.04	1.21
2680.0	2710.0	3.25	2.98	2.77	2710.0	2.34	2.66	3.12	70.0	1.18	1.17	1.28
2740.0	2770.0	2.92	2.66	2.50	2800.0	2.28	2.68	3.20	94.0	1.23	1.12	1.23
2866.0	2896.0	2.76	2.41	2.18	2896.0	2.22	2.67	3.22	130.0	1.25	1.16	1.26
3028.0	3058.0	2.50	2.18	1.94	3058.0	2.16	2.70	3.34	185.0	1.29	1.21	1.30
3271.0	3301.0	2.14	1.90	1.74	3301.0	2.09	2.72	3.45	224.0	1.34	1.27	1.33
3433.0	3463.0	1.80	1.58	1.43	3463.0	1.98	2.64	3.40	250.0	1.41	1.34	1.39
3676.0	3706.0	1.59	1.38	1.24	3706.0	1.87	2.56	3.36	289.0	1.36	1.29	1.36
3919.0	3949.0	1.61	1.51	1.46	3949.0	1.89	2.51	3.30	315.0	1.46	1.36	1.39
4081.0	4111.0	2.41	2.24	2.13	4111.0	1.99	2.52	3.23	354.0	1.48	1.43	1.45
4324.0	4354.0	1.94	1.93	1.86	4354.0	2.14	2.57	3.21	380.0	1.44	1.37	1.41
4486.0	4516.0	2.04	1.91	1.83	4516.0	2.27	2.57	3.11	419.0	1.58	1.45	1.43
4729.0	4759.0	2.66	2.52	2.40	4759.0	2.32	2.52	3.00	458.0	1.57	1.49	1.50
4891.0	4921.0	2.71	2.58	2.49	4921.0	2.29	2.38	2.81	484.0	1.55	1.42	1.41
5050.0	5080.0	2.41	2.19	2.09	5080.0	2.41	2.37	2.71	530.0	1.68	1.53	1.49
5200.0	5230.0	2.42	2.15	1.97	5230.0	2.40	2.37	2.68	602.0	1.74	1.52	1.44
5300.0	5330.0	2.37	2.12	1.93	5330.0	2.35	2.33	2.65	710.0	1.84	1.60	1.50
5450.0	5480.0	1.98	1.79	1.66	5480.0	2.29	2.20	2.48	782.0	1.89	1.58	1.46
5600.0	5630.0	2.34	2.03	1.83	5630.0	2.17	2.03	2.32	890.0	2.05	1.71	1.55
6311.0	6341.0	3.72	3.21	2.96	6341.0	2.68	2.33	2.50	962.0	1.89	1.58	1.45
6785.0	6815.0	2.48	2.17	2.01	6815.0	3.10	2.37	2.26	1070.0	2.04	1.71	1.57
7496.0	7526.0	2.07	1.74	1.52	7526.0	3.21	2.37	2.09	1142.0	2.22	1.84	1.69
7970.0	8000.0	2.07	1.69	1.39	8000.0	3.68	2.61	2.26	1250.0	2.35	2.03	1.91
8100.0	8130.0	1.60	1.34	1.21	8130.0	4.10	2.83	2.34	1369.0	2.19	2.09	2.06
8250.0	8280.0	1.60	1.36	1.20	8280.0	3.97	2.61	2.06	1456.0	2.24	2.07	2.01
8350.0	8380.0	1.42	1.19	1.11	8380.0	3.93	2.50	1.91	1543.0	1.74	1.66	1.66
8500.0	8530.0	1.20	1.10	1.20	8530.0	3.70	2.36	1.75	1601.0	1.81	1.72	1.70
8600.0	8630.0	1.46	1.35	1.31	8630.0	3.38	2.15	1.56	1688.0	1.77	1.83	1.86
8750.0	8780.0	2.07	1.85	1.66	8780.0	3.02	1.93	1.37	1746.0	1.56	1.61	1.65
8850.0	8880.0	1.92	1.68	1.50	8880.0	2.62	1.73	1.24	1833.0	1.74	1.76	1.77
9000.0	9030.0	1.86	1.60	1.40	9030.0	2.01	1.42	1.14	1891.0	1.65	1.76	1.81
9100.0	9130.0	1.91	1.66	1.43	9130.0	1.85	1.48	1.42	1978.0	1.46	1.53	1.56
9200.0	9230.0	1.96	1.67	1.49	9230.0	1.90	1.85	1.90	2036.0	1.41	1.50	1.55
9350.0	9380.0	1.77	1.81	1.87	9380.0	2.45	2.38	2.07	2123.0	1.37	1.63	1.73
9450.0	9480.0	1.72	1.74	1.75	9480.0	2.86	2.43	1.88	2181.0	1.48	1.74	1.84
9600.0	9630.0	2.09	2.03	1.97	9630.0	3.91	2.66	1.85	2268.0	1.72	2.02	2.13
9700.0	9730.0	2.23	2.12	2.02	9730.0	3.97	2.52	1.75	2326.0	1.71	2.03	2.16
9850.0	9880.0	2.55	2.35	2.21	9880.0	3.28	2.13	1.61	2413.0	1.79	2.11	2.23
10000.0	10030.0	2.59	2.37	2.22	10030.0	3.36	2.16	1.64	2500.0	1.93	2.31	2.46



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IF/RF MICROWAVE COMPONENTS

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## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	1	24	11	39	---	---	---	---	---	---
1	-	13	+0	42	23	42	43	---	---	---	---	---
2	89	60	67	>69	67	>69	56	56	---	---	---	---
3	>90	>69	68	>69	64	>69	>69	>69	>69	---	---	---
4	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	---	---
5	---	---	>69	>69	>69	>69	>69	>69	>69	>69	>69	---
6	---	---	---	>69	>69	>69	>69	>69	>69	>69	>69	>69
7	---	---	---	---	>69	>69	>69	>69	>69	>69	>69	>69
8	---	---	---	---	---	>69	>69	>69	>69	>69	>69	>69
9	---	---	---	---	---	---	>69	>69	>69	>69	>69	>69
10	---	---	---	---	---	---	---	>69	>69	>69	>69	>69
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 5650 MHz; -14.00 dBm.  
 LO IN: 5680 MHz; +7.00 dBm  
 IF OUT: 30 MHz; -20.79 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	11	35	22	47	---	---	---	---	---	---
1	-	13	+0	43	22	45	45	---	---	---	---	---
2	70	51	59	51	60	58	48	52	---	---	---	---
3	>90	61	46	70	42	63	54	63	62	---	---	---
4	>90	65	74	78	78	63	79	75	72	61	---	---
5	---	---	>79	>79	>79	>79	68	>79	>79	>79	75	---
6	---	---	---	>79	>79	>79	>79	75	>79	>79	>79	72
7	---	---	---	---	>79	>79	>79	>79	>79	>79	>79	>79
8	---	---	---	---	---	>79	>79	>79	>79	>79	>79	>79
9	---	---	---	---	---	---	>79	>79	>79	>79	>79	>79
10	---	---	---	---	---	---	---	>79	>79	>79	>79	>79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 5650 MHz; -4.00 dBm.  
 LO IN: 5680 MHz; +7.00 dBm  
 IF OUT: 30 MHz; -10.74 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.