

Frequency Mixer

MCA1T-85L+

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=+0dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+1	+4	+7			+1	+4	+7			+1	+4	+7
2560.0	2530.1	8.25	7.37	6.93	2560.0	2530.1	9.49	8.58	8.02	2560.0	2530.1	1.18	1.15	1.14
2650.0	2620.1	7.76	7.02	6.69	2650.0	2620.1	8.54	7.67	7.27	2650.0	2620.1	1.32	1.15	1.05
2710.0	2680.1	7.38	6.61	6.36	2710.0	2680.1	8.61	7.82	7.45	2710.0	2680.1	1.33	1.15	1.04
2800.0	2770.1	7.05	6.57	6.28	2800.0	2770.1	8.29	7.56	7.06	2800.0	2770.1	1.33	1.11	0.96
2866.0	2836.1	7.00	6.59	6.34	2866.0	2836.1	8.76	8.39	8.23	2866.0	2836.1	1.27	1.02	0.84
3109.0	3079.1	6.25	5.87	5.63	3109.0	3079.1	8.83	10.26	11.03	3109.0	3079.1	1.26	0.99	0.82
3271.0	3241.1	6.24	5.77	5.48	3271.0	3241.1	8.05	8.66	8.86	3271.0	3241.1	1.31	1.01	0.81
3514.0	3484.1	5.72	5.36	5.20	3514.0	3484.1	8.29	10.85	12.59	3514.0	3484.1	1.22	0.74	0.52
3757.0	3727.1	5.75	5.30	5.11	3757.0	3727.1	9.36	10.79	11.28	3757.0	3727.1	1.13	0.55	0.33
3919.0	3889.1	6.05	5.63	5.38	3919.0	3889.1	9.41	13.54	16.16	3919.0	3889.1	1.12	0.55	0.31
4162.0	4132.1	7.99	7.07	6.55	4162.0	4132.1	16.49	17.90	19.49	4162.0	4132.1	1.04	0.75	0.54
4324.0	4294.1	8.08	7.21	6.72	4324.0	4294.1	8.56	10.82	12.75	4324.0	4294.1	0.77	0.48	0.37
4567.0	4537.1	7.61	6.88	6.44	4567.0	4537.1	8.67	10.06	11.31	4567.0	4537.1	0.86	0.45	0.28
4729.0	4699.1	8.94	7.93	7.25	4729.0	4699.1	16.49	15.48	15.36	4729.0	4699.1	0.43	0.36	0.29
4972.0	4942.1	7.75	6.89	6.48	4972.0	4942.1	6.91	7.49	8.29	4972.0	4942.1	0.76	0.49	0.41
5080.0	5050.1	7.45	6.53	6.09	5080.0	5050.1	6.97	7.61	8.76	5080.0	5050.1	0.85	0.52	0.43
5230.0	5200.1	7.42	6.43	5.91	5230.0	5200.1	6.96	7.68	8.81	5230.0	5200.1	0.82	0.51	0.39
5380.0	5350.1	7.20	6.28	5.82	5380.0	5350.1	6.79	8.18	9.72	5380.0	5350.1	0.75	0.37	0.20
5480.0	5450.1	7.21	6.40	5.93	5480.0	5450.1	7.47	8.68	10.55	5480.0	5450.1	0.74	0.51	0.42
5871.0	5841.1	8.20	7.05	6.53	5871.0	5841.1	12.60	16.39	21.29	5871.0	5841.1	0.60	0.46	0.35
6345.0	6315.1	7.92	6.64	6.19	6345.0	6315.1	7.30	8.11	8.76	6345.0	6315.1	0.70	0.46	0.36
7056.0	7026.1	7.80	6.25	5.69	7056.0	7026.1	6.21	7.48	7.93	7056.0	7026.1	0.70	0.44	0.34
7530.0	7500.1	8.44	6.44	5.88	7530.0	7500.1	7.16	8.96	9.12	7530.0	7500.1	0.65	0.52	0.42
8050.0	8020.1	8.80	6.38	5.81	8050.0	8020.1	5.44	7.37	10.01	8050.0	8020.1	0.73	0.72	0.56
8200.0	8170.1	8.54	6.22	5.70	8200.0	8170.1	9.21	9.72	12.30	8200.0	8170.1	0.69	0.66	0.51
8300.0	8270.1	8.32	6.17	5.57	8300.0	8270.1	18.28	10.96	13.06	8300.0	8270.1	0.78	0.64	0.46
8500.0	8470.1	7.91	6.07	5.68	8500.0	8470.1	7.17	8.99	13.69	8500.0	8470.1	1.12	0.76	0.42
8550.0	8520.1	7.71	6.26	5.96	8550.0	8520.1	5.56	8.01	12.64	8550.0	8520.1	1.18	0.83	0.48
8700.0	8670.1	8.52	6.74	6.12	8700.0	8670.1	6.65	10.68	14.25	8700.0	8670.1	0.97	0.83	0.75
8800.0	8770.1	8.66	6.79	5.94	8800.0	8770.1	7.82	14.18	11.01	8800.0	8770.1	0.88	0.97	0.97
8950.0	8920.1	8.93	6.98	6.04	8950.0	8920.1	11.99	12.89	9.93	8950.0	8920.1	0.80	1.11	1.26
9100.0	9070.1	8.62	7.18	6.33	9100.0	9070.1	9.39	10.66	8.15	9100.0	9070.1	1.51	1.46	1.70
9235.0	9205.1	8.85	7.99	7.73	9235.0	9205.1	4.79	4.87	4.65	9235.0	9205.1	2.89	2.09	1.33
9370.0	9340.1	10.21	9.76	9.32	9370.0	9340.1	0.53	3.30	8.62	9370.0	9340.1	0.94	1.04	0.85
9460.0	9430.1	12.20	9.18	7.89	9460.0	9430.1	4.24	6.29	8.77	9460.0	9430.1	0.96	1.23	0.96
9595.0	9565.1	9.79	7.75	7.06	9595.0	9565.1	4.37	7.63	10.23	9595.0	9565.1	0.68	0.93	0.70
9685.0	9655.1	9.68	7.34	6.73	9685.0	9655.1	6.83	10.86	12.16	9685.0	9655.1	0.24	0.63	0.54
9820.0	9790.1	9.67	7.22	6.54	9820.0	9790.1	9.37	11.79	11.94	9820.0	9790.1	0.03	0.51	0.50
9910.0	9880.1	9.33	7.11	6.59	9910.0	9880.1	9.61	11.06	11.93	9910.0	9880.1	0.30	0.49	0.48
10000.0	9970.1	9.29	7.05	6.57	10000.0	9970.1	11.33	12.41	14.14	10000.0	9970.1	0.40	0.47	0.47



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IF/RF MICROWAVE COMPONENTS

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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	9.02	10.1	2810.1	6.98	2100.0	6400.0	9.60
2450.0	3200.0	9.04	40.1	2840.1	6.34	2070.0	6430.0	9.54
2400.0	3250.0	8.97	60.1	2860.1	6.37	2050.0	6450.0	10.22
2256.0	3394.0	9.19	90.1	2890.1	6.44	2020.0	6480.0	9.72
2118.0	3532.0	9.77	110.1	2910.1	6.40	2000.0	6500.0	10.25
2003.0	3647.0	10.27	190.1	2990.1	6.41	1968.0	6532.0	10.10
1888.0	3762.0	11.35	200.1	3000.1	6.30	1954.0	6546.0	10.39
1773.0	3877.0	11.36	215.1	3015.1	6.34	1933.0	6567.0	10.85
1624.0	4026.0	11.70	230.1	3030.1	6.26	1912.0	6588.0	10.17
1514.0	4136.0	10.68	240.1	3040.1	6.26	1898.0	6602.0	10.87
1404.0	4246.0	9.41	255.1	3055.1	6.37	1877.0	6623.0	11.30
1294.0	4356.0	8.72	265.1	3065.1	6.33	1863.0	6637.0	10.67
1120.0	4530.0	8.39	280.1	3080.1	6.31	1842.0	6658.0	11.42
970.0	4680.0	7.50	290.1	3090.1	6.24	1828.0	6672.0	11.53
820.0	4830.0	6.95	305.1	3105.1	6.31	1807.0	6693.0	10.68
670.0	4980.0	6.40	370.0	3170.0	6.43	1770.0	6730.0	11.14
520.0	5130.0	6.12	502.0	3302.0	6.52	1692.0	6808.0	11.30
370.0	5280.0	6.43	634.0	3434.0	6.54	1614.0	6886.0	11.03
220.0	5430.0	6.54	722.0	3522.0	6.48	1562.0	6938.0	10.74
70.0	5580.0	6.67	854.0	3654.0	6.37	1484.0	7016.0	10.40
10.0	5660.0	7.10	942.0	3742.0	6.44	1432.0	7068.0	10.17
60.0	5710.0	6.58	1074.0	3874.0	6.90	1354.0	7146.0	9.48
110.0	5760.0	6.52	1162.0	3962.0	7.24	1302.0	7198.0	9.13
348.0	5998.0	6.79	1300.0	4100.0	7.62	1210.0	7290.0	8.88
594.0	6244.0	8.19	1387.0	4187.0	7.92	1120.0	7380.0	7.94
799.0	6449.0	8.33	1445.0	4245.0	8.11	1060.0	7440.0	7.82
1004.0	6654.0	8.69	1532.0	4332.0	9.37	970.0	7530.0	7.11
1250.0	6900.0	9.47	1590.0	4390.0	9.27	910.0	7590.0	7.00
1363.0	7013.0	10.82	1677.0	4477.0	10.36	820.0	7680.0	6.61
1418.0	7068.0	11.59	1735.0	4535.0	10.47	760.0	7740.0	6.76
1473.0	7123.0	11.90	1822.0	4622.0	10.04	670.0	7830.0	6.52
1528.0	7178.0	12.32	1880.0	4680.0	10.66	610.0	7890.0	6.38
1686.0	7336.0	12.75	1967.0	4767.0	9.75	520.0	7980.0	6.24
1796.0	7446.0	12.09	2054.0	4854.0	9.58	430.0	8070.0	6.18
1906.0	7556.0	11.68	2112.0	4912.0	9.04	370.0	8130.0	6.18
2016.0	7666.0	10.92	2199.0	4999.0	9.22	280.0	8220.0	6.04
2126.0	7776.0	10.59	2257.0	5057.0	9.29	220.0	8280.0	6.01
2236.0	7886.0	10.50	2344.0	5144.0	9.59	130.0	8370.0	5.99
2346.0	7996.0	10.42	2402.0	5202.0	9.77	70.0	8430.0	5.94
2456.0	8106.0	10.26	2460.0	5260.0	10.24	10.0	8490.0	6.54

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	+4	+7	+1	+4	+7			+1	+4	+7
2560.0	36.79	37.78	40.85	7.89	8.04	7.77	2560.0	2530.1	38.93	37.22	40.29
2650.0	36.40	35.95	36.60	9.14	9.11	8.63	2650.0	2620.1	39.88	37.33	34.68
2710.0	35.85	34.89	34.80	10.45	10.19	9.45	2710.0	2680.1	35.74	33.25	31.66
2800.0	37.40	35.68	34.22	12.18	11.51	10.49	2800.0	2770.1	31.98	29.02	27.23
2896.0	38.19	37.45	36.14	13.21	12.26	11.17	2866.0	2836.1	30.06	27.09	25.60
3139.0	44.59	40.95	37.96	14.07	12.94	11.99	3109.0	3079.1	25.84	23.95	22.31
3301.0	52.86	45.89	40.22	14.27	13.57	12.85	3271.0	3241.1	21.97	20.88	19.87
3544.0	35.07	36.84	36.07	13.17	13.44	13.45	3514.0	3484.1	17.40	16.50	15.78
3787.0	28.58	29.03	29.81	11.75	12.74	13.54	3757.0	3727.1	14.69	13.91	13.31
3949.0	27.81	29.58	31.15	10.23	11.59	12.95	3919.0	3889.1	12.77	12.42	12.18
4192.0	21.67	24.56	27.11	10.52	12.11	13.83	4162.0	4132.1	9.65	9.88	9.86
4354.0	21.22	24.01	26.76	12.28	14.10	15.91	4324.0	4294.1	8.57	9.01	9.21
4597.0	23.90	26.37	28.43	17.14	18.64	19.82	4567.0	4537.1	10.10	10.58	10.87
4759.0	25.87	29.07	33.10	20.37	21.34	21.89	4729.0	4699.1	10.97	11.48	11.80
5002.0	28.17	31.21	34.99	24.99	24.59	23.89	4972.0	4942.1	12.78	13.15	13.38
5080.0	28.10	29.80	32.24	26.51	25.58	24.48	5077.0	5047.1	13.62	14.12	14.43
5230.0	31.51	33.44	34.73	29.23	27.47	25.89	5218.0	5188.1	14.83	15.35	15.87
5380.0	34.54	37.70	40.21	31.77	29.01	27.03	5359.0	5329.1	16.51	17.00	17.44
5480.0	34.84	37.36	38.76	33.09	29.93	27.86	5453.0	5423.1	17.56	18.05	18.41
5871.0	39.46	41.30	44.15	38.61	34.67	31.97	5871.0	5841.1	21.58	21.70	21.73
6345.0	43.62	39.24	37.01	47.55	41.03	37.74	6345.0	6315.1	29.60	29.43	29.19
7056.0	40.92	37.74	34.57	38.86	39.02	37.88	7056.0	7026.1	26.26	25.94	25.44
7530.0	35.33	32.69	29.96	36.21	35.99	33.11	7530.0	7500.1	21.68	23.02	24.47
8050.0	29.20	28.47	26.66	21.73	21.82	21.72	8050.0	8020.1	20.62	23.05	24.03
8200.0	26.82	27.33	25.45	19.03	21.89	22.46	8200.0	8170.1	20.93	22.32	23.13
8300.0	25.13	26.30	24.64	19.96	22.69	23.12	8300.0	8270.1	20.62	21.83	22.80
8500.0	23.38	24.98	24.34	21.11	23.26	23.89	8500.0	8470.1	19.82	21.52	22.80
8550.0	22.93	24.71	24.59	21.41	23.44	24.26	8550.0	8520.1	19.90	21.43	22.52
8700.0	20.82	21.72	21.90	21.86	23.77	24.71	8700.0	8670.1	19.19	20.31	21.40
8800.0	19.15	19.81	20.10	21.78	23.62	24.77	8800.0	8770.1	19.04	20.09	21.13
8950.0	18.31	18.57	18.87	22.06	23.67	25.03	8950.0	8920.1	19.38	20.25	21.16
9130.0	16.47	16.64	16.67	21.56	23.16	24.55	9030.0	9000.1	20.29	20.98	21.68
9265.0	14.96	15.70	16.19	20.41	22.09	23.54	9175.5	9145.6	20.74	21.42	21.85
9400.0	14.83	17.32	19.15	19.33	21.21	23.01	9321.0	9291.1	23.09	24.02	24.92
9490.0	16.38	19.51	21.20	20.80	22.25	24.05	9418.0	9388.1	25.47	26.05	26.49
9625.0	21.67	23.36	24.04	29.15	27.90	28.00	9563.5	9533.6	30.02	27.81	27.22
9715.0	24.20	24.63	24.19	35.55	32.44	31.17	9660.5	9630.6	30.44	28.47	27.11
9850.0	26.84	25.86	24.46	46.00	39.09	36.74	9806.0	9776.1	29.15	27.34	26.46
9940.0	27.65	26.06	24.28	41.69	40.74	39.44	9903.0	9873.1	29.72	27.58	26.52
10030.0	27.20	25.64	23.81	39.84	42.15	42.16	10000.0	9970.1	29.34	27.26	26.15

Frequency Mixer

MCA1T-85L+

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)		
		+1	+4	+7		+1	+4	+7		+1	+4	+7
2530.0	2560.0	4.34	3.72	3.32	2560.0	2.62	2.47	2.71	10.0	1.88	1.23	1.05
2620.0	2650.0	4.05	3.44	3.06	2620.0	2.57	2.51	2.81	46.0	1.68	1.13	1.11
2680.0	2710.0	3.71	3.19	2.88	2680.0	2.48	2.45	2.78	70.0	1.76	1.19	1.12
2800.0	2830.0	3.53	2.95	2.60	2800.0	2.17	2.36	2.82	106.0	1.79	1.19	1.11
2866.0	2896.0	3.32	2.82	2.45	2830.0	2.11	2.35	2.86	130.0	1.79	1.24	1.19
3109.0	3139.0	2.93	2.55	2.25	4120.2	1.82	1.97	2.47	198.0	1.81	1.24	1.19
3271.0	3301.0	2.55	2.20	1.94	4280.5	2.03	2.08	2.50	224.0	1.85	1.32	1.27
3514.0	3544.0	1.94	1.60	1.40	4440.8	2.25	2.20	2.53	263.0	1.88	1.35	1.32
3757.0	3787.0	1.96	1.66	1.46	4681.3	2.65	2.34	2.53	302.0	1.95	1.35	1.25
3919.0	3949.0	1.85	1.64	1.54	4841.7	2.81	2.37	2.48	328.0	1.96	1.43	1.37
4162.0	4192.0	2.25	2.06	1.91	5002.0	2.97	2.36	2.38	367.0	1.97	1.42	1.38
4324.0	4354.0	1.91	1.81	1.73	5080.0	3.14	2.43	2.37	393.0	2.04	1.41	1.31
4567.0	4597.0	1.96	1.76	1.62	5180.0	3.25	2.51	2.40	432.0	2.09	1.49	1.40
4729.0	4759.0	2.60	2.37	2.24	5330.0	3.21	2.51	2.42	458.0	2.10	1.52	1.44
4972.0	5002.0	2.67	2.37	2.22	5430.0	3.25	2.49	2.38	497.0	2.25	1.56	1.40
5050.0	5080.0	2.67	2.31	2.15	5530.0	3.28	2.44	2.31	516.0	2.23	1.59	1.46
5200.0	5230.0	2.84	2.42	2.14	5871.0	3.91	2.55	2.18	624.0	2.42	1.72	1.54
5350.0	5380.0	2.80	2.39	2.12	6345.0	4.55	2.87	2.37	732.0	2.61	1.85	1.62
5450.0	5480.0	2.67	2.24	1.98	7056.0	6.04	3.70	2.74	804.0	2.62	1.85	1.59
5837.0	5867.0	3.14	2.59	2.31	7530.0	6.30	3.80	2.61	912.0	2.78	2.00	1.72
6311.0	6341.0	3.56	2.90	2.54	8004.0	5.75	3.57	2.40	984.0	3.12	2.17	1.79
7022.0	7052.0	3.13	2.45	2.05	8100.0	5.87	3.66	2.43	1092.0	3.21	2.37	2.01
7496.0	7526.0	3.01	2.26	1.89	8250.0	5.63	3.63	2.30	1200.0	3.08	2.41	2.11
8000.0	8030.0	2.78	1.99	1.63	8350.0	5.61	3.58	2.27	1300.0	3.01	2.42	2.15
8150.0	8180.0	2.72	1.89	1.56	8500.0	5.19	3.19	2.05	1480.0	2.16	2.04	2.00
8250.0	8280.0	2.62	1.78	1.47	8550.0	5.12	3.22	2.06	1600.0	2.21	1.91	1.80
8400.0	8430.0	2.21	1.49	1.18	8650.0	4.74	2.91	1.97	1780.0	2.02	1.94	1.92
8500.0	8530.0	2.05	1.46	1.22	8800.0	3.75	2.39	1.68	1900.0	1.49	1.60	1.73
8650.0	8680.0	2.33	1.85	1.62	8900.0	3.18	2.15	1.47	2080.0	1.40	1.41	1.54
8750.0	8780.0	2.27	1.80	1.58	9000.0	2.68	1.90	1.42	2200.0	1.24	1.51	1.74
8900.0	8930.0	2.27	1.84	1.55	9175.0	2.06	1.63	1.51	2380.0	1.26	1.83	2.19
9000.0	9030.0	2.29	1.92	1.62	9265.0	1.87	1.77	1.97	2500.0	1.26	1.85	2.23
9150.0	9180.0	2.28	2.07	1.82	9400.0	2.41	2.46	2.19	2592.0	1.31	1.90	2.30
9300.0	9330.0	2.11	1.86	1.84	9490.0	2.92	2.69	2.25	2664.0	1.39	1.90	2.28
9400.0	9430.0	2.02	1.79	1.89	9580.0	3.58	2.84	2.16	2712.0	1.42	1.84	2.21
9550.0	9580.0	2.46	2.08	2.00	9670.0	3.76	3.13	2.15	2784.0	1.58	1.86	2.17
9650.0	9680.0	2.74	2.23	2.11	9760.0	4.55	3.14	2.10	2832.0	1.78	1.92	2.15
9800.0	9830.0	3.18	2.45	2.27	9895.0	4.91	3.21	2.08	2904.0	2.04	2.11	2.28
9900.0	9930.0	3.25	2.51	2.31	9985.0	4.98	3.16	2.08	2952.0	2.22	2.29	2.42
10000.0	10030.0	3.35	2.60	2.40	10030.0	5.42	3.31	2.11	3000.0	2.44	2.48	2.59



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IF/RF MICROWAVE COMPONENTS

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	--	--	12.63	28.31	17.81	49.37	--	--	--	--	--	--
1	--	15.07	--	49.20	29.19	45.58	58.76	--	--	--	--	--
2	116.84	56.39	57.79	46.15	57.72	51.52	49.54	64.93	--	--	--	--
3	116.22	66.18	59.00	75.67	50.19	67.89	67.47	68.18	74.23	--	--	--
4	113.80	89.60	77.00	81.87	90.25	69.55	84.36	72.91	73.31	81.72	--	--
5	112.83	--	86.84	88.92	88.28	92.76	76.57	91.18	87.01	87.54	89.98	--
6	112.60	--	--	88.75	90.07	95.06	94.59	87.75	94.58	92.92	89.33	86.03
7	112.69	--	--	--	88.39	89.90	92.65	94.68	93.07	96.38	92.22	90.56
8	114.01	--	--	--	--	87.31	91.48	93.66	95.55	92.96	96.19	95.42
9	112.93	--	--	--	--	--	88.36	90.60	95.78	93.69	96.04	92.86
10	112.09	--	--	--	--	--	--	86.71	89.30	95.23	95.45	96.49
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 5650 MHz; -10 dBm.
 LO IN: 5680 MHz; +4 dBm
 IF OUT: 30 MHz; -16.19 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	--	--	21.76	38.45	31.64	57.81	--	--	--	--	--	--
1	--	14.93	--	49.10	29.87	59.75	65.06	--	--	--	--	--
2	96.74	44.12	53.49	36.16	58.70	49.99	51.63	71.48	--	--	--	--
3	110.76	41.41	39.52	52.46	34.47	54.72	48.16	62.19	70.51	--	--	--
4	110.06	66.30	60.53	60.84	63.09	41.71	68.86	57.28	63.89	81.51	--	--
5	107.32	--	70.94	61.37	64.81	87.50	51.25	65.44	59.36	67.11	79.01	--
6	107.95	--	--	77.86	67.47	67.65	70.73	49.84	77.69	65.19	71.70	88.14
7	107.28	--	--	--	76.41	71.39	63.51	79.77	52.67	80.90	65.80	75.23
8	107.75	--	--	--	--	86.60	76.26	76.49	78.25	58.99	89.53	75.61
9	110.21	--	--	--	--	--	86.74	80.65	70.10	84.22	59.58	99.66
10	109.22	--	--	--	--	--	--	89.56	82.14	81.78	84.24	76.22
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 5650 MHz; 0 dBm.
 LO IN: 5680 MHz; +4 dBm
 IF OUT: 30 MHz; -6.71 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 represents the Harmonics level of the RF Input Signal to the mixer