

# Frequency Mixer

# MCA1-80H+

## 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
2000.1	2030.1	13.77	11.92	10.79	2000.1	2030.1	12.66	14.19	17.46	2000.1	2030.1	2.72	2.50	1.70
2225.1	2255.1	11.27	9.00	8.06	2225.1	2255.1	21.90	25.20	22.85	2225.1	2255.1	0.55	1.03	1.18
2450.1	2480.1	8.53	7.59	6.90	2450.1	2480.1	26.23	23.32	24.42	2450.1	2480.1	0.97	1.03	1.18
2675.1	2705.1	7.02	6.41	6.18	2675.1	2705.1	23.49	23.48	23.39	2675.1	2705.1	1.45	1.17	1.12
2900.1	2930.1	6.12	5.78	5.63	2900.1	2930.1	23.50	23.41	22.93	2900.1	2930.1	1.61	1.36	1.20
3125.1	3155.1	5.84	5.38	5.13	3125.1	3155.1	21.15	21.76	22.88	3125.1	3155.1	1.50	1.20	1.05
3350.1	3380.1	5.29	4.90	4.72	3350.1	3380.1	21.07	24.03	25.38	3350.1	3380.1	1.65	1.15	0.84
3575.1	3605.1	4.95	4.78	4.75	3575.1	3605.1	22.36	25.24	26.67	3575.1	3605.1	1.43	0.64	0.46
3800.1	3830.1	5.16	4.81	4.68	3800.1	3830.1	23.71	26.61	26.78	3800.1	3830.1	1.58	0.55	0.32
4025.1	4055.1	6.76	6.04	5.82	4025.1	4055.1	21.38	26.27	31.77	4025.1	4055.1	1.46	0.85	0.54
4250.1	4280.1	7.92	6.91	6.54	4250.1	4280.1	30.78	27.19	29.56	4250.1	4280.1	0.96	0.72	0.68
4475.1	4505.1	7.82	7.05	6.63	4475.1	4505.1	24.88	24.32	26.15	4475.1	4505.1	0.73	0.40	0.29
4700.1	4730.1	8.65	7.42	6.73	4700.1	4730.1	23.84	27.37	26.65	4700.1	4730.1	0.58	0.59	0.48
4925.1	4955.1	7.90	7.02	6.47	4925.1	4955.1	21.43	21.96	23.21	4925.1	4955.1	0.58	0.47	0.49
5150.1	5180.1	7.57	6.54	6.06	5150.1	5180.1	21.46	22.23	22.91	5150.1	5180.1	0.88	0.46	0.43
5375.1	5405.1	7.63	6.44	5.93	5375.1	5405.1	20.79	23.17	23.26	5375.1	5405.1	0.96	0.56	0.45
5600.1	5630.1	7.95	6.50	5.98	5600.1	5630.1	20.35	22.17	22.12	5600.1	5630.1	0.58	0.36	0.24
5825.1	5855.1	9.08	6.99	6.27	5825.1	5855.1	22.16	31.21	31.74	5825.1	5855.1	-0.14	0.35	0.24
6050.1	6080.1	11.02	6.95	6.14	6050.1	6080.1	15.49	21.30	22.04	6050.1	6080.1	-1.33	0.50	0.55
6275.1	6305.1	10.48	6.49	5.86	6275.1	6305.1	15.45	21.21	21.58	6275.1	6305.1	-1.29	0.48	0.54
6500.1	6530.1	9.12	6.11	5.64	6500.1	6530.1	18.32	21.79	22.00	6500.1	6530.1	-0.43	0.53	0.56
6747.6	6777.6	7.91	6.06	5.68	6747.6	6777.6	18.66	21.85	22.29	6747.6	6777.6	0.53	0.58	0.62
6972.6	7002.6	8.23	6.34	5.96	6972.6	7002.6	19.11	22.66	23.32	6972.6	7002.6	0.34	0.58	0.59
7220.1	7250.1	7.72	6.19	5.93	7220.1	7250.1	19.87	23.02	23.43	7220.1	7250.1	0.63	0.58	0.67
7445.1	7475.1	6.91	5.83	5.61	7445.1	7475.1	19.55	22.17	22.84	7445.1	7475.1	1.01	0.73	0.88
7692.6	7722.6	6.15	5.57	5.50	7692.6	7722.6	19.79	21.71	21.21	7692.6	7722.6	1.33	0.93	1.17
7917.6	7947.6	6.36	5.64	5.67	7917.6	7947.6	18.29	20.58	20.54	7917.6	7947.6	1.39	0.87	0.99
8165.1	8195.1	6.87	5.64	5.58	8165.1	8195.1	18.17	21.71	23.50	8165.1	8195.1	1.20	0.75	0.70
8390.1	8420.1	7.95	5.61	5.54	8390.1	8420.1	16.76	25.01	27.13	8390.1	8420.1	0.18	0.84	0.47
8637.6	8667.6	11.54	7.13	6.18	8637.6	8667.6	13.64	22.28	30.98	8637.6	8667.6	-1.20	0.74	0.68
8862.6	8892.6	10.23	7.30	6.46	8862.6	8892.6	19.74	33.74	24.41	8862.6	8892.6	0.67	0.83	0.90
9110.1	9140.1	10.62	8.77	7.41	9110.1	9140.1	25.21	25.21	28.75	9110.1	9140.1	0.95	0.48	1.02
9335.1	9365.1	10.06	8.76	9.29	9335.1	9365.1	17.37	18.21	16.01	9335.1	9365.1	3.20	2.35	0.92
9582.6	9612.6	18.47	8.76	7.30	9582.6	9612.6	9.21	20.73	24.39	9582.6	9612.6	-5.42	0.58	0.63
9807.6	9837.6	19.75	8.30	7.35	9807.6	9837.6	7.08	24.44	25.20	9807.6	9837.6	-7.92	0.51	0.49
10055.1	10085.1	14.46	8.11	7.59	10055.1	10085.1	13.53	25.28	25.13	10055.1	10085.1	-3.10	0.64	0.59
10280.1	10310.1	10.23	7.60	7.25	10280.1	10310.1	18.71	24.05	23.83	10280.1	10310.1	0.49	0.89	0.84
10527.6	10557.6	8.61	7.49	7.29	10527.6	10557.6	17.89	21.79	21.66	10527.6	10557.6	1.67	1.08	0.92
10752.6	10782.6	8.76	7.92	7.75	10752.6	10782.6	16.57	18.75	21.26	10752.6	10782.6	1.48	0.96	0.58
11000.1	11030.1	10.64	9.64	9.61	11000.1	11030.1	19.85	23.00	23.76	11000.1	11030.1	1.25	0.89	0.80



# Frequency Mixer

# MCA1-80H+

## Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=5400MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2790MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=8010.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+17			+17			+17
1599.9	3800.1	11.00	10.1	2800.1	6.50	1610.0	6400.1	10.83
1507.7	3892.3	10.67	50.1	2840.1	6.27	1570.0	6440.1	10.55
1415.6	3984.4	11.04	90.1	2880.1	6.28	1530.0	6480.1	10.63
1323.4	4076.6	10.49	130.1	2920.1	6.31	1490.0	6520.1	10.59
1231.2	4168.8	9.91	170.1	2960.1	6.37	1450.0	6560.1	10.37
1139.1	4260.9	9.13	210.1	3000.1	6.25	1410.0	6600.1	10.42
1046.9	4353.1	8.85	250.1	3040.1	6.36	1370.0	6640.1	10.02
954.7	4445.3	8.27	290.1	3080.1	6.38	1330.0	6680.1	9.46
862.6	4537.4	7.76	330.1	3120.1	6.41	1290.0	6720.1	9.16
793.4	4606.6	7.76	370.1	3160.1	6.49	1250.0	6760.1	8.45
701.3	4698.7	7.23	410.1	3200.1	6.46	1210.0	6800.1	8.01
632.1	4767.9	7.05	450.1	3240.1	6.55	1170.0	6840.1	7.68
540.0	4860.0	6.75	490.1	3280.1	6.47	1130.0	6880.1	7.46
470.8	4929.2	6.45	530.1	3320.1	6.42	1090.0	6920.1	7.40
378.7	5021.3	6.21	570.1	3360.1	6.43	1050.0	6960.1	7.40
309.5	5090.5	6.30	610.1	3400.1	6.33	1010.0	7000.1	7.48
217.4	5182.6	6.34	650.1	3440.1	6.32	970.0	7040.1	7.38
148.3	5251.7	6.36	710.1	3500.1	6.35	930.0	7080.1	7.34
56.1	5343.9	6.41	750.1	3540.1	6.29	890.0	7120.1	7.16
10.0	5410.0	6.81	810.1	3600.1	6.16	850.0	7160.1	6.77
78.0	5478.0	6.49	850.1	3640.1	6.17	810.0	7200.1	6.60
129.0	5529.0	6.73	910.1	3700.1	6.01	770.0	7240.1	6.34
197.0	5597.0	6.83	950.1	3740.1	6.07	730.0	7280.1	6.29
248.0	5648.0	6.92	1010.1	3800.1	6.48	690.0	7320.1	6.11
316.0	5716.0	6.84	1050.1	3840.1	6.53	650.0	7360.1	6.02
367.0	5767.0	6.74	1110.1	3900.1	7.17	610.0	7400.1	5.99
435.0	5835.0	6.80	1150.1	3940.1	7.27	570.0	7440.1	6.01
486.0	5886.0	6.84	1210.1	4000.1	6.87	530.0	7480.1	5.95
554.0	5954.0	6.82	1250.1	4040.1	7.31	490.0	7520.1	5.78
605.0	6005.0	6.90	1310.1	4100.1	7.15	450.0	7560.1	5.67
673.1	6073.1	7.20	1350.1	4140.1	7.46	410.0	7600.1	5.61
724.1	6124.1	7.30	1410.1	4200.1	8.80	370.0	7640.1	5.66
792.1	6192.1	7.85	1450.1	4240.1	8.89	330.0	7680.1	5.68
843.1	6243.1	8.16	1510.1	4300.1	9.00	290.0	7720.1	5.72
911.1	6311.1	8.81	1550.1	4340.1	9.78	250.0	7760.1	5.74
962.1	6362.1	9.66	1610.1	4400.1	9.20	210.0	7800.1	5.63
1030.1	6430.1	10.04	1650.1	4440.1	9.43	170.0	7840.1	5.72
1081.1	6481.1	10.24	1710.1	4500.1	10.29	110.0	7900.1	5.68
1149.1	6549.1	11.12	1750.1	4540.1	10.00	70.0	7940.1	5.72
1200.1	6600.1	11.29	1810.1	4600.1	9.98	10.0	8000.1	6.07

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101027  
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# Frequency Mixer

# MCA1-80H+

## Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+14	+17	+20	+14	+17	+20
2030.1	25.19	23.56	23.70	3.96	4.13	4.08
2255.1	46.76	33.98	32.04	4.89	5.82	6.16
2480.1	44.91	45.92	50.20	7.17	7.78	7.76
2705.1	42.07	39.03	37.97	11.10	10.98	10.02
2930.1	51.96	44.35	41.30	15.39	13.67	12.45
3155.1	39.99	46.64	58.93	15.14	14.10	13.31
3380.1	34.11	40.46	47.46	14.50	14.13	13.64
3605.1	31.25	33.15	34.00	12.55	13.00	13.32
3830.1	29.41	32.19	33.63	10.42	11.36	12.49
4055.1	23.11	26.92	31.07	9.47	10.95	12.58
4280.1	21.57	25.05	28.86	11.24	13.20	15.07
4505.1	24.04	27.02	29.91	15.51	17.40	18.95
4730.1	27.32	30.91	37.41	20.76	21.95	22.49
4955.1	31.47	34.60	37.60	25.86	25.64	24.70
5180.1	35.40	38.60	41.16	30.75	28.65	26.75
5405.1	40.87	42.18	40.81	33.40	30.58	28.22
5630.1	46.63	45.24	41.97	33.05	31.37	29.50
5855.1	47.91	46.96	42.73	32.66	32.18	30.84
6080.1	40.76	43.61	43.03	33.15	33.25	32.46
6305.1	38.15	38.66	38.38	34.42	34.73	34.33
6530.1	38.18	43.16	40.15	36.33	36.97	36.99
6777.6	37.02	37.66	35.65	41.56	41.96	41.93
7002.6	42.31	34.75	30.70	41.47	42.20	43.04
7250.1	32.85	30.66	28.61	36.95	42.44	62.14
7475.1	30.57	28.54	26.75	32.01	37.57	36.94
7722.6	27.82	27.18	26.12	30.05	30.88	27.10
7947.6	25.55	25.97	25.33	24.38	22.80	21.20
8195.1	23.74	25.41	25.10	18.20	20.12	20.59
8420.1	22.46	25.15	25.29	17.20	20.55	20.93
8667.6	24.75	26.08	26.90	18.78	21.66	21.69
8892.6	25.56	24.66	24.19	20.99	22.29	22.60
9140.1	24.05	23.98	23.35	20.01	20.18	20.22
9365.1	21.68	22.99	23.62	16.60	17.32	20.55
9612.6	24.61	25.65	26.68	19.46	20.28	20.81
9837.6	35.42	31.83	29.03	26.15	25.17	23.70
10085.1	33.64	32.60	30.51	36.02	30.62	27.28
10310.1	26.21	26.72	26.96	36.78	33.33	31.07
10557.6	21.06	22.10	22.59	30.98	31.74	31.42
10782.6	16.91	18.51	19.09	26.30	27.34	27.03
11030.1	16.04	17.80	18.21	20.95	21.61	21.48

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+14	+17	+20
2000.1	2030.1	22.88	24.40	24.94
2225.1	2255.1	26.80	23.21	24.98
2450.1	2480.1	32.82	32.00	31.17
2675.1	2705.1	39.82	39.71	38.08
2900.1	2930.1	33.84	31.61	30.44
3125.1	3155.1	26.72	25.39	24.64
3350.1	3380.1	20.90	20.11	19.79
3575.1	3605.1	17.62	16.68	16.26
3800.1	3830.1	15.21	14.67	14.41
4025.1	4055.1	12.82	12.95	12.94
4250.1	4280.1	9.38	9.84	10.02
4475.1	4505.1	10.53	11.12	11.40
4700.1	4730.1	12.47	13.11	13.57
4925.1	4955.1	14.18	14.57	14.91
5150.1	5180.1	16.25	16.71	17.12
5375.1	5405.1	18.15	18.71	19.20
5600.1	5630.1	19.80	20.27	20.75
5825.1	5855.1	21.42	21.47	21.45
6050.1	6080.1	24.41	24.77	24.75
6275.1	6305.1	28.12	27.92	27.64
6500.1	6530.1	31.28	29.30	28.46
6747.6	6777.6	29.74	28.36	27.61
6972.6	7002.6	26.07	25.69	25.23
7220.1	7250.1	28.17	27.81	27.47
7445.1	7475.1	27.58	28.45	29.04
7692.6	7722.6	24.32	25.75	27.16
7917.6	7947.6	22.98	25.03	26.34
8165.1	8195.1	20.39	22.76	23.40
8390.1	8420.1	20.56	23.16	24.50
8637.6	8667.6	22.05	22.01	22.66
8862.6	8892.6	23.72	23.08	23.33
9110.1	9140.1	22.43	22.33	22.37
9335.1	9365.1	21.95	22.46	23.45
9582.6	9612.6	25.74	23.87	24.14
9807.6	9837.6	24.84	24.52	24.14
10055.1	10085.1	25.09	26.16	26.22
10280.1	10310.1	31.13	32.60	32.43
10527.6	10557.6	67.55	45.03	42.08
10752.6	10782.6	34.89	35.43	35.22
11000.1	11030.1	21.76	21.87	21.61

# Frequency Mixer

# MCA1-80H+

## Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=8000MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+14	+17	+20		+14	+17	+20		+14	+17	+20
2000.1	2030.1	4.52	3.36	2.53	2030.1	1.83	1.88	1.89	10.0	1.56	1.21	1.04
2225.1	2255.1	7.11	5.16	3.95	2255.1	2.36	2.17	2.36	90.0	1.60	1.23	1.10
2450.1	2480.1	5.39	4.57	4.06	2480.1	2.71	2.40	2.61	170.0	1.59	1.25	1.17
2675.1	2705.1	3.86	3.17	2.84	2705.1	2.26	2.29	2.74	250.0	1.64	1.33	1.29
2900.1	2930.1	3.29	2.80	2.43	2930.1	1.71	2.05	2.62	330.0	1.77	1.46	1.39
3125.1	3155.1	2.62	2.25	1.97	3155.1	1.36	1.85	2.45	410.0	1.91	1.58	1.48
3350.1	3380.1	1.83	1.56	1.40	3380.1	1.11	1.62	2.26	490.0	2.07	1.69	1.56
3575.1	3605.1	1.51	1.26	1.12	3605.1	1.19	1.46	2.06	570.0	2.18	1.78	1.61
3800.1	3830.1	1.61	1.36	1.18	3830.1	1.42	1.46	1.93	650.0	2.34	1.88	1.67
4025.1	4055.1	2.09	1.80	1.67	4055.1	1.51	1.53	1.95	730.0	2.45	1.94	1.69
4250.1	4280.1	2.18	2.09	2.00	4280.1	1.66	1.62	2.03	810.0	2.44	1.96	1.70
4475.1	4505.1	2.31	2.07	1.96	4505.1	1.87	1.79	2.11	890.0	2.58	2.10	1.81
4700.1	4730.1	2.77	2.51	2.31	4730.1	2.17	2.03	2.34	970.0	2.93	2.34	1.98
4925.1	4955.1	3.37	3.01	2.74	4955.1	2.68	2.31	2.53	1050.0	3.11	2.48	2.09
5150.1	5180.1	3.30	2.82	2.47	5180.1	3.50	2.71	2.68	1130.0	3.03	2.47	2.09
5375.1	5405.1	3.26	2.59	2.19	5405.1	4.53	3.11	2.78	1210.0	2.77	2.33	2.02
5600.1	5630.1	3.70	2.92	2.37	5630.1	5.61	3.43	2.96	1290.0	2.57	2.31	2.09
5825.1	5855.1	3.54	2.76	2.41	5855.1	6.83	3.64	2.82	1370.0	2.70	2.48	2.30
6050.1	6080.1	4.74	3.19	2.68	6080.1	9.38	4.63	2.98	1450.0	2.92	2.64	2.45
6275.1	6305.1	4.42	2.90	2.43	6305.1	9.43	4.43	2.85	1530.0	2.66	2.41	2.25
6500.1	6530.1	3.60	2.46	2.05	6530.1	8.81	4.01	2.43	1610.0	2.09	1.95	1.85
6747.6	6777.6	2.97	2.26	1.97	6777.6	6.49	3.16	1.95	1690.0	1.80	1.75	1.70
6972.6	7002.6	2.41	1.88	1.62	7002.6	5.30	2.70	1.68	1770.0	1.90	1.88	1.85
7220.1	7250.1	2.27	1.78	1.57	7250.1	4.24	2.22	1.41	1850.0	1.86	1.88	1.90
7445.1	7475.1	2.13	1.68	1.45	7475.1	3.43	1.80	1.15	1930.0	1.51	1.51	1.54
7692.6	7722.6	1.78	1.48	1.27	7722.6	2.56	1.51	1.11	2010.0	1.43	1.48	1.51
7917.6	7947.6	1.64	1.34	1.21	7947.6	2.50	1.57	1.25	2090.0	1.48	1.68	1.81
8165.1	8195.1	1.76	1.37	1.30	8195.1	2.78	1.85	1.50	2170.0	1.55	1.81	1.98
8390.1	8420.1	1.89	1.26	1.29	8420.1	2.76	2.01	1.61	2250.0	1.64	1.90	2.07
8637.6	8667.6	2.37	1.62	1.32	8667.6	2.67	2.17	1.69	2310.0	1.69	2.01	2.20
8862.6	8892.6	2.74	2.15	1.84	8892.6	2.69	2.22	1.77	2390.0	1.84	2.21	2.45
9110.1	9140.1	3.12	2.78	2.25	9140.1	2.85	2.18	1.73	2450.0	2.00	2.44	2.70
9335.1	9365.1	2.90	2.62	2.29	9365.1	2.17	1.88	1.74	2530.0	2.18	2.69	3.01
9582.6	9612.6	4.08	2.87	2.37	9612.6	3.68	3.54	2.56	2590.0	2.20	2.70	3.02
9807.6	9837.6	4.26	2.85	2.47	9837.6	5.12	3.87	2.69	2670.0	2.33	2.91	3.29
10055.1	10085.1	4.13	2.99	2.70	10085.1	5.34	3.50	2.65	2730.0	2.44	3.03	3.45
10280.1	10310.1	3.66	2.92	2.62	10310.1	4.14	2.94	2.61	2810.0	2.41	2.94	3.33
10527.6	10557.6	2.66	2.26	2.04	10557.6	2.81	2.68	2.84	2870.0	2.39	2.97	3.38
10752.6	10782.6	2.51	2.14	1.83	10782.6	2.11	2.43	2.83	2950.0	2.38	2.92	3.35
11000.1	11030.1	2.66	2.65	2.66	11030.1	1.62	1.90	2.06	3010.0	2.20	2.65	3.06

## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	7	27	14	45	---	---	---	---	---	---
1	-	12	+0	35	31	50	54	---	---	---	---	---
2	65	64	76	50	60	60	54	58	---	---	---	---
3	>90	76	65	75	62	73	69	76	79	---	---	---
4	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	---	---
5	---	---	>83	>83	>83	>83	>83	>83	>83	>83	>83	---
6	---	---	---	82	>83	>83	>83	>83	>83	>83	>83	>83
7	---	---	---	---	>83	>83	>83	>83	>83	>83	>83	>83
8	---	---	---	---	---	>83	>83	>83	>83	>83	>83	>83
9	---	---	---	---	---	---	>83	>83	>83	>83	>83	>83
10	---	---	---	---	---	---	---	>83	>83	>83	>83	>83
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 5400 MHz; -1.00 dBm.  
 LO IN: 5430 MHz; +17.00 dBm  
 IF OUT: 30 MHz; -7.4 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	39	26	47	---	---	---	---	---	---
1	-	12	+0	37	31	52	62	---	---	---	---	---
2	46	52	64	44	53	51	48	55	---	---	---	---
3	63	55	45	57	41	56	55	61	70	---	---	---
4	76	65	72	66	70	58	69	64	67	64	---	---
5	---	---	88	82	73	78	60	76	65	73	81	---
6	---	---	---	>92	87	83	81	76	84	76	86	79
7	---	---	---	---	>92	>92	84	86	77	90	78	>92
8	---	---	---	---	---	>92	>92	>92	>92	81	>92	85
9	---	---	---	---	---	---	>92	>92	>92	>92	88	>92
10	---	---	---	---	---	---	---	>92	>92	>92	>92	>92
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 5400 MHz; 9.00 dBm.  
 LO IN: 5430 MHz; +17.00 dBm  
 IF OUT: 30 MHz; 2.37 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.