

Frequency Mixer

MCA-ED12298/1

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=468MHz (dB)		
		@LO (dBm)		
		+14	+17	+20
2850.0	2382.0	11.75	12.57	13.92
2880.0	2412.0	11.84	12.73	12.12
2910.0	2442.0	11.03	10.63	9.09
2940.0	2472.0	10.64	9.22	8.31
2970.0	2502.0	10.60	9.24	8.32
3000.0	2532.0	9.93	8.80	8.09
3030.0	2562.0	9.57	8.62	7.99
3060.0	2592.0	9.65	8.67	7.99
3090.0	2622.0	9.25	8.41	7.82
3120.0	2652.0	8.93	8.20	7.67
3150.0	2682.0	8.96	8.25	7.72
3180.0	2712.0	8.68	8.03	7.64
3210.0	2742.0	8.48	7.97	7.67
3240.0	2772.0	8.54	8.08	7.81
3280.0	2812.0	8.29	7.95	7.76
3310.0	2842.0	8.34	8.04	7.88
3350.0	2882.0	8.39	8.11	7.97
3380.0	2912.0	8.29	8.05	7.95
3420.0	2952.0	8.52	8.23	8.09
3450.0	2982.0	8.46	8.20	8.05
3490.0	3022.0	8.60	8.28	8.13
3520.0	3052.0	8.80	8.43	8.25
3560.0	3092.0	8.73	8.37	8.18
3590.0	3122.0	8.92	8.53	8.32
3630.0	3162.0	9.05	8.64	8.44
3660.0	3192.0	9.08	8.63	8.40
3700.0	3232.0	9.51	8.95	8.65
3730.0	3262.0	9.50	8.95	8.66
3770.0	3302.0	9.76	9.09	8.73
3800.0	3332.0	10.06	9.33	8.90
3840.0	3372.0	9.98	9.25	8.79
3870.0	3402.0	10.44	9.58	9.03
3910.0	3442.0	10.66	9.80	9.24
3940.0	3472.0	10.68	9.83	9.28
3980.0	3512.0	11.57	10.61	10.02
4010.0	3542.0	11.60	10.70	10.14
4050.0	3582.0	11.78	10.85	10.17
4080.0	3612.0	12.14	11.11	10.39
4120.0	3652.0	11.95	10.94	10.21
4150.0	3682.0	12.29	11.17	10.33

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)		
		@LO (dBm)		
		+14	+17	+20
2850.0	2382.0	16.17	16.55	23.20
2880.0	2412.0	15.88	16.93	23.96
2910.0	2442.0	17.13	21.62	20.09
2940.0	2472.0	18.39	23.10	29.48
2970.0	2502.0	18.72	23.24	29.49
3000.0	2532.0	20.08	24.81	30.86
3030.0	2562.0	21.01	26.14	32.81
3060.0	2592.0	21.28	26.79	33.88
3090.0	2622.0	22.45	28.84	34.23
3120.0	2652.0	23.92	31.69	35.35
3150.0	2682.0	24.64	33.36	36.07
3180.0	2712.0	26.34	36.83	36.95
3210.0	2742.0	27.71	36.95	36.14
3240.0	2772.0	27.80	35.82	35.49
3280.0	2812.0	28.39	33.96	35.56
3310.0	2842.0	27.90	34.29	36.49
3350.0	2882.0	27.43	34.20	39.40
3380.0	2912.0	26.21	31.87	37.96
3420.0	2952.0	25.61	31.53	40.95
3450.0	2982.0	25.73	31.17	40.97
3490.0	3022.0	24.92	30.55	40.94
3520.0	3052.0	25.12	31.37	40.88
3560.0	3092.0	24.09	29.19	40.01
3590.0	3122.0	23.86	28.24	38.08
3630.0	3162.0	23.82	28.35	37.81
3660.0	3192.0	23.29	27.37	35.73
3700.0	3232.0	22.75	26.98	34.83
3730.0	3262.0	22.83	26.91	34.30
3770.0	3302.0	22.28	25.79	31.37
3800.0	3332.0	22.38	25.75	30.75
3840.0	3372.0	22.65	25.60	29.57
3870.0	3402.0	22.73	25.49	28.49
3910.0	3442.0	23.71	26.37	29.00
3940.0	3472.0	24.63	27.26	30.34
3980.0	3512.0	24.46	28.31	32.91
4010.0	3542.0	22.97	27.24	32.01
4050.0	3582.0	21.83	26.33	33.89
4080.0	3612.0	21.22	25.81	33.91
4120.0	3652.0	21.30	26.08	36.21
4150.0	3682.0	20.92	25.29	33.63

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+20dBm (dB)		
		@LO (dBm)		
		+14	+17	+20
2850.0	2382.0	1.00	-1.70	-2.69
2880.0	2412.0	0.83	-1.87	-2.07
2910.0	2442.0	0.72	-0.51	-0.11
2940.0	2472.0	0.67	0.61	0.59
2970.0	2502.0	0.32	0.44	0.49
3000.0	2532.0	0.48	0.49	0.45
3030.0	2562.0	0.61	0.53	0.46
3060.0	2592.0	0.24	0.36	0.37
3090.0	2622.0	0.41	0.43	0.37
3120.0	2652.0	0.45	0.42	0.30
3150.0	2682.0	0.38	0.40	0.27
3180.0	2712.0	0.42	0.34	0.22
3210.0	2742.0	0.37	0.25	0.18
3240.0	2772.0	0.36	0.22	0.17
3280.0	2812.0	0.30	0.19	0.17
3310.0	2842.0	0.26	0.16	0.15
3350.0	2882.0	0.24	0.14	0.15
3380.0	2912.0	0.22	0.12	0.12
3420.0	2952.0	0.17	0.07	0.07
3450.0	2982.0	0.22	0.08	0.08
3490.0	3022.0	0.41	0.14	0.08
3520.0	3052.0	0.48	0.17	0.10
3560.0	3092.0	0.62	0.22	0.08
3590.0	3122.0	0.64	0.27	0.09
3630.0	3162.0	0.66	0.29	0.10
3660.0	3192.0	0.73	0.35	0.13
3700.0	3232.0	0.63	0.33	0.11
3730.0	3262.0	0.61	0.32	0.10
3770.0	3302.0	0.58	0.35	0.14
3800.0	3332.0	0.51	0.34	0.16
3840.0	3372.0	0.36	0.24	0.11
3870.0	3402.0	0.34	0.23	0.13
3910.0	3442.0	0.14	0.12	0.06
3940.0	3472.0	0.14	0.13	0.10
3980.0	3512.0	-0.07	0.10	0.16
4010.0	3542.0	-0.15	0.08	0.13
4050.0	3582.0	-0.17	0.07	0.13
4080.0	3612.0	-0.26	0.02	0.11
4120.0	3652.0	-0.22	0.03	0.07
4150.0	3682.0	-0.33	-0.04	0.05

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Frequency Mixer

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3500MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3289.8999MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3710.1001MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+17			+17			+17
980.0	2520.0	10.60	10.1	3300.0	27.16	1110.1	2600.0	10.43
935.9	2564.1	9.98	30.5	3320.4	17.75	1090.1	2620.0	10.27
891.8	2608.2	9.72	50.9	3340.8	13.89	1070.1	2640.0	10.15
847.7	2652.3	9.24	71.3	3361.2	11.74	1050.1	2660.0	10.03
803.6	2696.4	9.06	91.7	3381.6	10.59	1030.1	2680.0	9.92
759.5	2740.5	8.80	112.1	3402.0	9.85	1010.1	2700.0	9.77
715.5	2784.5	8.69	132.5	3422.4	9.34	990.1	2720.0	9.61
671.4	2828.6	8.67	153.0	3442.9	8.90	970.1	2740.0	9.56
627.3	2872.7	8.62	173.4	3463.3	8.72	930.1	2780.0	9.43
583.2	2916.8	8.58	193.8	3483.7	8.77	910.1	2800.0	9.36
539.1	2960.9	8.49	214.2	3504.1	8.93	870.1	2840.0	9.34
495.0	3005.0	8.40	234.6	3524.5	8.98	850.1	2860.0	9.26
450.9	3049.1	8.36	255.0	3544.9	9.00	810.1	2900.0	9.18
406.8	3093.2	8.30	275.4	3565.3	8.97	790.1	2920.0	9.25
362.7	3137.3	8.23	295.8	3585.7	9.00	750.1	2960.0	9.27
318.6	3181.4	8.23	316.2	3606.1	9.03	730.1	2980.0	9.23
274.5	3225.5	8.31	336.6	3626.5	9.00	690.1	3020.0	9.30
230.5	3269.5	8.34	357.0	3646.9	8.93	670.1	3040.0	9.28
186.4	3313.6	8.69	377.4	3667.3	8.97	630.1	3080.0	9.23
120.2	3379.8	9.73	397.9	3687.8	9.06	610.1	3100.0	9.23
76.1	3423.9	11.99	438.7	3728.6	9.04	570.1	3140.0	9.22
10.0	3490.0	28.20	459.1	3749.0	9.08	550.1	3160.0	9.18
28.0	3528.0	19.31	499.9	3789.8	9.30	510.1	3200.0	9.10
81.8	3581.8	12.14	520.3	3810.2	9.39	490.1	3220.0	9.07
117.7	3617.7	10.57	561.1	3851.0	9.39	450.1	3260.0	8.97
171.6	3671.6	9.49	581.5	3871.4	9.52	430.1	3280.0	8.87
207.5	3707.5	9.31	622.3	3912.2	9.65	390.1	3320.0	8.95
261.4	3761.4	9.04	642.8	3932.7	9.65	370.1	3340.0	8.91
297.3	3797.3	9.11	683.6	3973.5	9.81	330.1	3380.0	8.87
351.1	3851.1	9.07	704.0	3993.9	9.86	310.1	3400.0	8.95
387.0	3887.0	9.28	744.8	4034.7	9.79	270.1	3440.0	8.96
440.9	3940.9	9.27	765.2	4055.1	9.92	250.1	3460.0	9.00
476.8	3976.8	9.55	806.0	4095.9	10.08	210.1	3500.0	9.49
530.7	4030.7	9.64	826.4	4116.3	9.99	190.1	3520.0	9.84
566.6	4066.6	9.86	867.2	4157.1	10.14	150.1	3560.0	10.23
620.5	4120.5	9.93	887.7	4177.6	10.23	130.1	3580.0	10.66
656.4	4156.4	10.13	928.5	4218.4	10.12	90.1	3620.0	12.10
710.2	4210.2	10.02	948.9	4238.8	10.13	70.1	3640.0	13.25
746.1	4246.1	10.10	989.7	4279.6	10.33	30.1	3680.0	19.36
800.0	4300.0	10.20	1010.1	4300.0	10.23	10.1	3700.0	28.97

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+14	+17	+20	+14	+17	+20
2382.0	30.04	29.32	29.95	28.80	29.57	30.03
2412.0	30.67	30.07	30.68	29.69	29.83	31.33
2442.0	31.31	31.55	31.86	31.30	32.44	36.03
2472.0	32.25	32.64	32.71	32.70	35.19	38.70
2502.0	32.44	32.83	33.07	33.72	36.06	38.14
2532.0	32.76	32.98	33.24	35.24	36.34	35.92
2562.0	32.97	33.29	33.81	35.21	34.89	33.79
2592.0	32.98	33.31	34.09	34.10	33.09	31.98
2622.0	32.70	33.25	34.26	32.10	31.19	30.25
2652.0	32.93	33.73	35.08	30.48	29.76	29.04
2682.0	32.63	33.66	35.41	29.16	28.56	27.91
2712.0	32.85	34.03	36.67	27.91	27.19	26.85
2742.0	33.27	34.80	38.22	26.68	26.04	25.87
2772.0	33.40	35.04	39.31	25.98	25.37	25.12
2812.0	33.12	34.61	38.91	24.74	24.15	24.00
2842.0	32.92	34.13	38.00	24.18	23.63	23.33
2882.0	32.33	33.30	36.74	23.83	23.32	23.02
2912.0	32.90	33.88	37.03	23.60	23.10	22.86
2952.0	34.67	36.02	39.53	24.02	23.78	23.55
2982.0	35.77	37.54	41.10	24.62	24.92	24.95
3022.0	38.15	40.94	46.93	25.73	26.52	27.30
3052.0	39.28	42.72	49.83	27.03	28.39	29.89
3092.0	40.32	43.73	50.32	29.14	31.18	33.43
3122.0	42.65	46.66	55.26	30.69	33.38	36.52
3162.0	48.02	55.78	59.70	33.46	37.07	42.21
3192.0	51.96	70.38	53.97	34.99	38.82	45.06
3232.0	59.97	59.88	50.31	36.64	40.39	45.45
3262.0	71.75	53.24	47.36	37.93	40.81	43.29
3302.0	56.88	49.60	45.31	37.94	39.43	40.40
3332.0	51.15	46.54	43.36	37.63	38.29	38.53
3372.0	46.06	43.06	40.72	36.90	36.91	36.77
3402.0	44.80	42.14	40.31	36.41	36.25	36.06
3442.0	42.89	40.71	39.34	35.93	35.73	35.72
3472.0	43.11	41.17	40.19	36.32	36.45	37.02
3512.0	45.12	43.13	42.13	39.22	41.17	44.66
3542.0	51.17	47.37	45.39	42.34	45.19	47.30
3582.0	50.62	48.32	45.72	40.68	41.57	40.86
3612.0	47.29	46.28	44.76	39.28	39.64	39.15
3652.0	45.67	45.06	43.88	38.10	38.06	37.21
3682.0	45.12	44.75	44.11	37.75	37.67	37.09

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+14	+17	+20
2850.0	2382.0	29.80	45.95	55.57
2880.0	2412.0	31.73	44.71	44.84
2910.0	2442.0	34.00	39.53	45.04
2940.0	2472.0	35.68	45.40	35.74
2970.0	2502.0	35.58	40.49	33.88
3000.0	2532.0	35.57	36.22	31.84
3030.0	2562.0	33.69	33.75	31.45
3060.0	2592.0	31.99	32.65	31.84
3090.0	2622.0	30.66	30.96	30.29
3120.0	2652.0	28.60	28.09	27.11
3150.0	2682.0	26.87	26.10	25.09
3180.0	2712.0	25.82	24.87	24.05
3210.0	2742.0	25.78	25.01	24.46
3240.0	2772.0	26.13	25.47	25.05
3280.0	2812.0	25.94	25.44	25.27
3310.0	2842.0	25.49	24.91	24.70
3350.0	2882.0	24.55	23.67	23.21
3380.0	2912.0	24.66	23.93	23.24
3420.0	2952.0	24.71	24.17	23.61
3450.0	2982.0	24.32	23.87	23.43
3490.0	3022.0	23.85	23.57	23.18
3520.0	3052.0	23.60	23.42	23.08
3560.0	3092.0	23.40	23.16	22.94
3590.0	3122.0	23.41	23.27	23.03
3630.0	3162.0	23.30	23.19	23.04
3660.0	3192.0	23.31	23.20	23.09
3700.0	3232.0	23.35	23.26	23.22
3730.0	3262.0	23.40	23.29	23.16
3770.0	3302.0	23.64	23.66	23.66
3800.0	3332.0	23.77	23.89	23.95
3840.0	3372.0	24.04	24.27	24.44
3870.0	3402.0	24.21	24.46	24.78
3910.0	3442.0	24.38	24.79	25.21
3940.0	3472.0	24.57	25.03	25.46
3980.0	3512.0	24.71	25.11	25.60
4010.0	3542.0	24.97	25.27	25.67
4050.0	3582.0	25.46	25.65	26.00
4080.0	3612.0	25.97	26.11	26.28
4120.0	3652.0	26.89	26.87	26.85
4150.0	3682.0	27.63	27.53	27.31

Frequency Mixer

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Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=3250MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+14	+17	+20		+14	+17	+20		+14	+17	+20
2850.0	2382.0	3.05	2.22	1.71	2382.0	23.18	16.56	14.26	10.0	26.74	26.33	25.56
2880.0	2412.0	2.99	2.13	1.71	2412.0	20.95	15.00	13.49	90.5	4.62	4.04	3.73
2910.0	2442.0	2.66	2.04	1.68	2442.0	19.32	16.72	16.41	171.0	1.97	1.85	1.88
2940.0	2472.0	2.52	1.96	1.61	2472.0	18.11	16.56	14.87	251.5	1.27	1.24	1.41
2970.0	2502.0	2.45	1.90	1.57	2502.0	15.39	13.60	11.53	332.0	1.17	1.13	1.33
3000.0	2532.0	2.24	1.79	1.53	2532.0	13.92	12.71	11.53	412.5	1.42	1.34	1.42
3030.0	2562.0	2.10	1.71	1.49	2562.0	12.26	11.31	10.50	493.0	1.70	1.56	1.57
3060.0	2592.0	2.07	1.70	1.48	2592.0	10.43	9.43	8.39	573.5	1.95	1.78	1.74
3090.0	2622.0	1.97	1.67	1.50	2622.0	8.99	8.31	7.70	654.0	2.19	1.97	1.89
3120.0	2652.0	1.91	1.69	1.56	2652.0	7.60	7.11	6.68	734.5	2.36	2.12	2.01
3150.0	2682.0	1.91	1.73	1.64	2682.0	6.35	5.85	5.38	815.0	2.49	2.21	2.08
3180.0	2712.0	1.91	1.78	1.75	2712.0	5.31	4.96	4.66	895.5	2.57	2.26	2.11
3210.0	2742.0	1.91	1.83	1.83	2742.0	4.43	4.18	3.93	976.0	2.59	2.25	2.07
3240.0	2772.0	1.88	1.83	1.85	2772.0	3.72	3.52	3.31	1056.5	2.52	2.16	1.96
3280.0	2812.0	1.86	1.87	1.93	2812.0	3.12	3.02	2.94	1137.0	2.48	2.08	1.84
3310.0	2842.0	1.89	1.90	1.95	2842.0	2.87	2.83	2.81	1217.5	2.44	2.02	1.77
3350.0	2882.0	1.89	1.92	2.00	2882.0	2.85	2.90	2.99	1298.1	2.27	1.87	1.61
3380.0	2912.0	1.94	1.98	2.08	2912.0	2.98	3.07	3.18	1378.6	2.15	1.75	1.49
3420.0	2952.0	1.96	1.97	2.05	2952.0	3.30	3.43	3.56	1459.1	2.02	1.63	1.37
3450.0	2982.0	1.95	1.97	2.06	2982.0	3.73	3.90	4.11	1539.6	1.87	1.50	1.25
3490.0	3022.0	2.06	2.07	2.13	3022.0	4.24	4.40	4.52	1620.1	1.72	1.38	1.15
3520.0	3052.0	2.11	2.10	2.16	3052.0	4.78	5.02	5.25	1700.6	1.58	1.27	1.07
3560.0	3092.0	2.19	2.18	2.23	3092.0	5.54	5.81	6.07	1781.1	1.44	1.17	1.08
3590.0	3122.0	2.29	2.26	2.30	3122.0	5.93	6.13	6.21	1861.6	1.34	1.13	1.18
3630.0	3162.0	2.39	2.36	2.41	3162.0	6.81	7.17	7.56	1942.1	1.32	1.21	1.30
3660.0	3192.0	2.47	2.41	2.45	3192.0	7.25	7.50	7.66	2022.6	1.36	1.33	1.46
3700.0	3232.0	2.55	2.46	2.48	3232.0	7.70	7.90	7.94	2103.1	1.45	1.42	1.52
3730.0	3262.0	2.61	2.52	2.55	3262.0	8.39	8.72	9.13	2183.6	1.74	1.68	1.74
3770.0	3302.0	2.74	2.60	2.58	3302.0	8.43	8.47	8.23	2264.1	2.03	1.94	1.97
3800.0	3332.0	2.83	2.67	2.63	3332.0	8.64	8.72	8.60	2344.6	2.36	2.23	2.21
3840.0	3372.0	3.00	2.82	2.76	3372.0	9.18	9.43	9.58	2425.1	2.76	2.59	2.53
3870.0	3402.0	3.16	2.93	2.83	3402.0	8.86	8.68	8.23	2505.6	3.22	3.03	2.94
3910.0	3442.0	3.31	3.08	2.97	3442.0	8.86	8.86	8.81	2586.1	3.77	3.60	3.50
3940.0	3472.0	3.48	3.23	3.09	3472.0	8.68	8.55	8.47	2666.6	4.31	4.17	4.12
3980.0	3512.0	3.61	3.26	3.06	3512.0	8.27	7.90	7.34	2747.1	4.52	4.42	4.41
4010.0	3542.0	3.56	3.23	3.09	3542.0	9.38	9.33	9.28	2847.7	4.38	4.28	4.28
4050.0	3582.0	3.77	3.44	3.26	3582.0	10.31	10.13	9.74	2928.2	3.98	3.83	3.76
4080.0	3612.0	3.90	3.54	3.34	3612.0	10.31	9.85	9.04	3028.9	3.52	3.40	3.40
4120.0	3652.0	4.06	3.70	3.51	3652.0	11.38	11.38	11.38	3109.4	3.38	3.35	3.47
4150.0	3682.0	4.36	3.94	3.68	3682.0	11.09	10.69	10.02	3210.0	3.51	3.31	3.29

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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	3	21	21	20	38	25	39	---	---	---
1	-	15	+0	28	21	29	38	50	54	55	64	---
2	65	50	59	54	65	53	60	64	74	72	77	81
3	>90	77	67	>82	64	72	69	>82	75	>82	>82	>82
4	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
5	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
6	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
7	---	---	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
8	---	---	---	>82	>82	>82	>82	>82	>82	>82	>82	>82
9	---	---	---	---	>82	>82	>82	>82	>82	>82	>82	>82
10	---	---	---	---	---	>82	>82	>82	>82	>82	>82	>82
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

Test conditions:

RF IN: 3500 MHz; 0.00 dBm.
LO IN: 3032 MHz; +17.00 dBm
IF OUT: 468 MHz; -8.39 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	13	30	29	31	50	39	49	---	---	---
1	-	15	+0	28	21	30	40	51	56	59	65	---
2	45	39	49	47	59	43	50	54	69	61	69	77
3	67	58	46	70	43	52	48	62	57	71	76	>92
4	>90	84	71	65	69	66	65	77	68	74	73	80
5	>90	90	>92	78	86	73	71	70	78	75	74	88
6	>90	90	>92	>92	>92	83	90	82	>92	85	86	88
7	---	---	>92	>92	>92	>92	>92	>92	86	90	83	>92
8	---	---	---	>92	>92	>92	>92	>92	>92	>92	91	>92
9	---	---	---	---	>92	>92	>92	>92	>92	>92	>92	>92
10	---	---	---	---	---	>92	>92	>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: 3500 MHz; 10.00 dBm.
LO IN: 3032 MHz; +17.00 dBm
IF OUT: 468 MHz; 1.62 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.