

Frequency Mixer

SIM-ED12399/11A

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=+5dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
+7	+10	+13	+7	+10	+13	+7	+10	+13	+7	+10	+13			
1700.1	1730.1	17.89	10.99	7.43	1700.1	1730.1	-4.06	2.03	6.69	1700.1	1730.1	-2.58	1.13	1.90
1880.1	1910.1	14.77	9.65	7.50	1880.1	1910.1	-1.68	3.33	11.79	1880.1	1910.1	-1.28	1.04	1.61
2060.1	2090.1	11.24	8.29	7.13	2060.1	2090.1	2.54	9.01	11.55	2060.1	2090.1	0.03	1.51	1.50
2240.1	2270.1	8.02	6.82	6.31	2240.1	2270.1	9.80	14.41	16.78	2240.1	2270.1	2.03	2.03	1.75
2420.1	2450.1	6.73	6.18	5.90	2420.1	2450.1	13.28	14.68	15.01	2420.1	2450.1	2.24	1.85	1.49
2600.1	2630.1	6.47	6.18	6.01	2600.1	2630.1	12.91	12.43	12.42	2600.1	2630.1	1.62	1.29	1.06
2780.1	2810.1	6.51	6.14	5.99	2780.1	2810.1	14.43	13.55	14.81	2780.1	2810.1	1.22	0.99	0.87
2960.1	2990.1	6.38	6.16	6.00	2960.1	2990.1	15.51	15.29	13.34	2960.1	2990.1	1.15	0.88	0.73
3120.1	3150.1	6.36	6.10	5.96	3120.1	3150.1	15.28	18.03	19.14	3120.1	3150.1	0.89	0.69	0.58
3300.1	3330.1	6.29	6.04	5.88	3300.1	3330.1	19.31	18.81	18.68	3300.1	3330.1	0.85	0.70	0.56
3460.1	3490.1	6.34	6.06	5.90	3460.1	3490.1	17.81	16.21	17.53	3460.1	3490.1	0.80	0.65	0.48
3640.1	3670.1	6.39	6.09	5.99	3640.1	3670.1	10.84	13.90	17.82	3640.1	3670.1	0.84	0.46	0.22
3800.1	3830.1	6.48	6.30	6.22	3800.1	3830.1	13.48	16.01	19.12	3800.1	3830.1	0.68	0.29	0.17
3980.1	4010.1	6.50	6.34	6.27	3980.1	4010.1	17.71	19.95	22.20	3980.1	4010.1	0.63	0.32	0.21
4140.1	4170.1	6.33	6.19	6.11	4140.1	4170.1	19.92	19.99	22.01	4140.1	4170.1	0.58	0.32	0.21
4320.1	4350.1	6.51	6.34	6.24	4320.1	4350.1	15.24	19.18	22.54	4320.1	4350.1	0.69	0.43	0.26
4480.1	4510.1	6.49	6.29	6.19	4480.1	4510.1	18.53	18.94	18.75	4480.1	4510.1	0.64	0.44	0.30
4660.1	4690.1	6.47	6.30	6.19	4660.1	4690.1	16.23	17.62	19.70	4660.1	4690.1	0.71	0.45	0.28
4820.1	4850.1	6.97	6.58	6.38	4820.1	4850.1	17.77	16.82	17.88	4820.1	4850.1	1.02	0.78	0.56
5000.1	5030.1	7.34	6.85	6.50	5000.1	5030.1	16.10	15.34	15.71	5000.1	5030.1	0.99	0.83	0.69
5160.1	5190.1	7.14	6.75	6.44	5160.1	5190.1	13.32	13.48	14.01	5160.1	5190.1	1.11	0.95	0.79
5340.1	5370.1	6.64	6.23	6.03	5340.1	5370.1	11.86	13.06	13.34	5340.1	5370.1	1.25	1.10	0.97
5500.1	5530.1	6.37	5.95	5.74	5500.1	5530.1	10.39	12.58	13.27	5500.1	5530.1	1.42	1.22	1.06
5680.1	5710.1	6.37	5.91	5.70	5680.1	5710.1	9.48	12.11	13.69	5680.1	5710.1	1.20	0.97	0.83
5840.1	5870.1	6.34	5.90	5.75	5840.1	5870.1	9.49	12.09	14.17	5840.1	5870.1	1.19	0.88	0.76
6020.1	6050.1	6.16	5.83	5.81	6020.1	6050.1	12.59	12.08	14.46	6020.1	6050.1	1.13	0.85	0.77
6180.1	6210.1	6.24	5.71	5.64	6180.1	6210.1	15.86	13.20	14.25	6180.1	6210.1	0.93	0.71	0.60
6360.1	6390.1	6.33	5.87	5.69	6360.1	6390.1	15.14	16.72	15.62	6360.1	6390.1	0.90	0.73	0.64
6520.1	6550.1	6.43	5.98	5.75	6520.1	6550.1	14.87	16.10	17.61	6520.1	6550.1	0.92	0.81	0.76
6700.1	6730.1	6.79	6.39	6.09	6700.1	6730.1	13.02	14.22	16.23	6700.1	6730.1	0.85	0.78	0.80
6860.1	6890.1	6.82	6.53	6.34	6860.1	6890.1	14.61	17.58	18.85	6860.1	6890.1	0.90	0.80	0.76
7040.1	7070.1	7.02	6.87	6.82	7040.1	7070.1	17.47	19.74	20.17	7040.1	7070.1	0.62	0.48	0.51
7200.1	7230.1	7.44	7.20	7.21	7200.1	7230.1	13.61	17.70	21.61	7200.1	7230.1	0.53	0.27	0.28
7380.1	7410.1	7.88	7.43	7.39	7380.1	7410.1	16.95	16.38	18.95	7380.1	7410.1	0.62	0.36	0.24
7540.1	7570.1	9.11	8.28	7.94	7540.1	7570.1	20.05	18.03	17.21	7540.1	7570.1	0.46	0.45	0.48
7720.1	7750.1	9.32	8.36	7.89	7720.1	7750.1	16.75	16.28	15.72	7720.1	7750.1	0.64	0.59	0.71
7880.1	7910.1	9.60	8.45	8.00	7880.1	7910.1	13.15	16.85	16.11	7880.1	7910.1	0.72	0.80	0.95
8060.1	8090.1	11.07	8.94	8.40	8060.1	8090.1	9.64	16.68	13.36	8060.1	8090.1	0.24	0.87	1.03
8220.1	8250.1	11.43	9.84	9.02	8220.1	8250.1	9.79	8.98	9.97	8220.1	8250.1	1.29	1.01	1.11
8400.1	8430.1	12.06	11.85	11.36	8400.1	8430.1	3.58	9.81	18.51	8400.1	8430.1	2.98	1.06	0.47

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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)=5100.1001MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2290.1001MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=7910.1001MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+10			+10			+10
3400.0	1700.1	14.92	10.0	2300.1	6.94	3310.0	4600.1	10.32
3234.6	1865.5	11.85	110.0	2400.1	6.25	3230.0	4680.1	10.11
3069.3	2030.8	9.70	210.0	2500.1	6.37	3150.0	4760.1	10.13
2903.9	2196.2	8.80	310.0	2600.1	6.40	3070.0	4840.1	9.88
2738.5	2361.6	8.05	410.0	2700.1	6.18	2990.0	4920.1	9.77
2573.2	2526.9	6.85	510.0	2800.1	6.12	2910.0	5000.1	9.75
2407.8	2692.3	6.52	610.0	2900.1	6.23	2830.0	5080.1	9.62
2221.8	2878.3	7.06	710.0	3000.1	6.19	2750.0	5160.1	9.45
2056.4	3043.7	7.64	810.0	3100.1	6.13	2670.0	5240.1	9.51
1870.4	3229.7	8.21	910.0	3200.1	6.16	2590.0	5320.1	9.44
1705.0	3395.1	8.86	1010.0	3300.1	6.39	2510.0	5400.1	9.29
1519.0	3581.1	8.50	1110.0	3400.1	6.56	2430.0	5480.1	9.17
1353.6	3746.5	8.04	1210.0	3500.1	6.83	2350.0	5560.1	9.26
1167.6	3932.5	7.40	1310.0	3600.1	6.80	2270.0	5640.1	9.33
1002.2	4097.9	6.88	1410.0	3700.1	6.83	2190.0	5720.1	9.48
816.2	4283.9	6.61	1510.0	3800.1	6.97	2110.0	5800.1	9.54
650.8	4449.3	6.78	1610.0	3900.1	6.96	2030.0	5880.1	9.56
464.8	4635.3	6.58	1710.0	4000.1	6.80	1950.0	5960.1	9.56
299.4	4800.7	6.68	1810.0	4100.1	6.83	1870.0	6040.1	9.50
113.4	4986.7	6.63	1910.0	4200.1	6.96	1790.0	6120.1	9.38
48.9	5149.0	6.74	2010.0	4300.1	7.13	1710.0	6200.1	9.07
224.0	5324.1	6.85	2110.0	4400.1	7.35	1630.0	6280.1	8.85
379.6	5479.7	6.81	2210.0	4500.1	7.72	1550.0	6360.1	8.73
554.6	5654.7	6.82	2310.0	4600.1	7.73	1450.0	6460.1	8.65
710.2	5810.3	7.14	2410.0	4700.1	7.66	1370.0	6540.1	8.68
885.3	5985.4	7.41	2510.0	4800.1	7.52	1270.0	6640.1	8.62
1040.9	6141.0	7.48	2610.0	4900.1	7.64	1190.0	6720.1	8.58
1216.0	6316.1	7.50	2710.0	5000.1	7.57	1090.0	6820.1	8.51
1371.6	6471.7	7.61	2810.0	5100.1	7.62	1010.0	6900.1	8.40
1546.6	6646.7	7.44	2910.0	5200.1	7.37	910.0	7000.1	8.38
1702.3	6802.4	7.50	3010.0	5300.1	7.50	830.0	7080.1	8.50
1877.3	6977.4	7.42	3110.0	5400.1	7.82	730.0	7180.1	8.51
2032.9	7133.0	7.58	3210.0	5500.1	8.25	650.0	7260.1	8.48
2208.0	7308.1	8.25	3310.0	5600.1	8.71	550.0	7360.1	8.42
2363.6	7463.7	8.57	3410.0	5700.1	9.07	470.0	7440.1	8.38
2538.7	7638.8	8.28	3510.0	5800.1	9.40	370.0	7540.1	8.40
2694.3	7794.4	7.95	3610.0	5900.1	9.83	290.0	7620.1	8.26
2869.3	7969.4	8.13	3710.0	6000.1	9.60	190.0	7720.1	8.27
3024.9	8125.0	9.47	3810.0	6100.1	9.65	110.0	7800.1	8.31
3200.0	8300.1	12.05	3910.0	6200.1	10.74	10.0	7900.1	8.84

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Frequency Mixer

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+7	+10	+13	+7	+10	+13
1730.1	47.53	46.06	40.29	19.07	19.47	20.38
1910.1	44.93	36.68	32.66	17.54	18.17	20.02
2090.1	35.72	32.04	31.05	16.29	17.96	19.95
2270.1	34.58	32.96	32.60	16.47	18.79	21.01
2450.1	35.98	35.59	35.33	17.83	20.55	22.72
2630.1	36.22	37.10	37.06	19.13	21.79	23.26
2810.1	33.88	35.15	35.50	20.53	22.28	22.81
2990.1	29.48	29.43	29.39	21.10	22.64	22.69
3150.1	29.45	29.09	29.02	22.47	23.12	22.89
3330.1	31.24	31.12	30.53	23.94	24.13	23.56
3490.1	31.79	31.95	31.09	25.58	24.87	23.48
3670.1	32.09	32.27	32.02	25.76	24.57	23.64
3830.1	32.24	32.16	31.95	26.63	25.26	24.33
4010.1	33.82	33.12	32.66	28.43	26.64	25.83
4170.1	33.75	32.93	32.28	32.28	30.74	29.88
4350.1	32.35	32.19	32.08	37.24	38.01	38.62
4510.1	33.53	33.21	33.09	32.09	31.17	30.48
4690.1	32.04	31.99	31.72	24.06	23.33	22.38
4850.1	32.95	32.59	32.23	20.05	19.33	18.69
5030.1	33.22	32.77	32.18	18.15	17.74	17.03
5190.1	33.44	32.34	31.17	17.90	17.67	17.02
5370.1	32.41	31.15	30.39	18.59	18.09	17.86
5530.1	31.53	30.13	29.06	19.47	19.40	19.00
5710.1	30.30	28.64	27.43	20.62	20.74	20.44
5870.1	29.22	27.39	25.85	21.61	22.07	21.82
6050.1	28.54	26.46	24.66	22.94	23.56	23.69
6210.1	26.84	24.75	23.39	24.50	25.46	26.04
6390.1	25.59	23.62	22.45	26.75	28.65	30.19
6550.1	25.09	23.57	22.57	29.64	32.65	36.06
6730.1	24.59	23.65	22.93	33.81	36.95	40.84
6890.1	24.61	24.15	23.59	41.51	44.75	46.01
7070.1	23.97	24.32	23.74	30.70	30.34	29.97
7230.1	22.81	23.52	23.46	25.08	24.78	24.96
7410.1	22.13	22.74	23.04	22.14	21.32	21.60
7570.1	22.13	22.95	23.26	20.14	19.88	19.47
7750.1	23.07	24.00	24.33	18.75	18.65	18.23
7910.1	23.28	24.28	24.65	17.72	17.29	16.91
8090.1	22.94	22.85	23.81	14.96	13.51	13.54
8250.1	22.41	21.77	22.63	12.54	11.22	11.22
8430.1	20.23	19.56	19.88	10.03	9.27	9.52

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+7	+10	+13
1700.1	1730.1	21.18	19.67	14.87
1880.1	1910.1	20.20	14.06	10.93
2060.1	2090.1	15.25	11.88	10.96
2240.1	2270.1	13.66	11.89	11.22
2420.1	2450.1	14.42	13.27	12.70
2600.1	2630.1	17.02	16.38	15.97
2780.1	2810.1	19.87	19.06	18.64
2960.1	2990.1	21.08	20.84	20.27
3120.1	3150.1	21.15	21.49	21.10
3300.1	3330.1	20.22	20.23	20.13
3460.1	3490.1	18.99	18.32	17.76
3640.1	3670.1	17.80	17.28	16.83
3800.1	3830.1	18.11	17.87	17.59
3980.1	4010.1	18.88	18.63	18.49
4140.1	4170.1	19.27	19.03	18.72
4320.1	4350.1	21.53	21.14	20.81
4480.1	4510.1	24.90	24.18	23.57
4660.1	4690.1	27.41	27.03	26.74
4820.1	4850.1	30.18	29.90	29.65
5000.1	5030.1	26.15	25.49	24.95
5160.1	5190.1	21.83	21.38	21.01
5340.1	5370.1	18.53	18.00	17.67
5500.1	5530.1	17.03	16.62	16.30
5680.1	5710.1	16.05	15.79	15.60
5840.1	5870.1	15.78	15.58	15.46
6020.1	6050.1	16.40	16.24	15.96
6180.1	6210.1	16.58	16.40	16.17
6360.1	6390.1	15.86	15.65	15.33
6520.1	6550.1	19.35	19.17	18.78
6700.1	6730.1	28.57	28.30	28.13
6860.1	6890.1	25.18	23.65	23.16
7040.1	7070.1	18.73	17.86	17.59
7200.1	7230.1	16.34	15.56	15.41
7380.1	7410.1	16.67	16.00	15.66
7540.1	7570.1	16.06	17.75	18.71
7720.1	7750.1	13.02	14.09	14.58
7880.1	7910.1	12.10	12.97	13.31
8060.1	8090.1	11.29	12.62	13.36
8220.1	8250.1	11.28	12.26	15.13
8400.1	8430.1	12.14	15.07	19.93

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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=7900MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+7	+10	+13		+7	+10	+13		+7	+10	+13
1700.1	1730.1	5.28	3.19	2.07	1730.1	24.14	20.95	14.74	10.0	1.40	1.04	1.19
1880.1	1910.1	4.06	2.38	1.69	1910.1	19.32	13.70	8.99	90.0	1.43	1.10	1.21
2060.1	2090.1	3.03	2.12	1.79	2090.1	12.09	7.22	6.24	170.0	1.45	1.15	1.24
2240.1	2270.1	2.48	2.04	1.87	2270.1	6.17	4.80	4.79	270.0	1.54	1.24	1.27
2420.1	2450.1	2.39	2.18	2.06	2450.1	3.49	3.29	3.76	350.0	1.61	1.30	1.31
2600.1	2630.1	2.49	2.37	2.31	2630.1	2.44	2.62	3.22	450.0	1.75	1.39	1.33
2780.1	2810.1	2.60	2.46	2.41	2810.1	1.95	2.24	2.84	530.0	1.85	1.45	1.34
2960.1	2990.1	2.53	2.41	2.35	2990.1	1.84	2.11	2.65	630.0	2.04	1.57	1.39
3120.1	3150.1	2.55	2.35	2.22	3150.1	1.74	2.00	2.48	710.0	2.18	1.67	1.43
3300.1	3330.1	2.72	2.50	2.32	3330.1	1.75	2.03	2.51	810.0	2.46	1.87	1.56
3460.1	3490.1	2.67	2.38	2.20	3490.1	1.90	2.21	2.69	890.0	2.64	2.02	1.68
3640.1	3670.1	2.39	2.15	2.01	3670.1	2.04	2.24	2.71	990.0	2.94	2.27	1.88
3800.1	3830.1	2.44	2.29	2.17	3830.1	1.88	2.17	2.70	1070.0	3.11	2.43	2.02
3980.1	4010.1	2.57	2.43	2.32	4010.1	1.77	2.23	2.86	1170.0	3.39	2.63	2.20
4140.1	4170.1	2.61	2.42	2.31	4170.1	1.77	2.36	3.09	1250.0	3.58	2.79	2.33
4320.1	4350.1	2.88	2.67	2.54	4350.1	1.71	2.40	3.18	1350.0	3.82	2.98	2.50
4480.1	4510.1	2.85	2.57	2.37	4510.1	1.77	2.44	3.19	1430.0	3.98	3.09	2.60
4660.1	4690.1	2.59	2.39	2.24	4690.1	1.91	2.55	3.30	1530.0	4.29	3.35	2.84
4820.1	4850.1	3.16	2.90	2.73	4850.1	2.14	2.72	3.45	1610.0	4.52	3.53	2.99
5000.1	5030.1	3.43	3.19	2.97	5030.1	2.29	2.75	3.37	1710.0	4.83	3.80	3.23
5160.1	5190.1	3.10	2.90	2.70	5190.1	2.62	2.89	3.40	1790.0	4.99	3.95	3.35
5340.1	5370.1	2.78	2.52	2.33	5370.1	2.95	3.01	3.40	1890.0	5.13	4.07	3.45
5500.1	5530.1	2.55	2.29	2.10	5530.1	3.15	2.90	3.10	1970.0	5.22	4.14	3.52
5680.1	5710.1	2.22	1.99	1.85	5710.1	3.24	2.73	2.72	2070.0	5.10	4.04	3.44
5840.1	5870.1	1.95	1.74	1.63	5870.1	3.15	2.48	2.36	2150.0	4.91	3.89	3.30
6020.1	6050.1	1.73	1.51	1.44	6050.1	2.80	2.11	1.91	2250.0	4.64	3.68	3.12
6180.1	6210.1	1.77	1.50	1.41	6210.1	2.46	1.78	1.56	2330.0	4.40	3.47	2.92
6360.1	6390.1	1.72	1.57	1.46	6390.1	1.93	1.37	1.28	2430.0	4.10	3.23	2.71
6520.1	6550.1	1.76	1.65	1.56	6550.1	1.49	1.09	1.31	2510.0	3.95	3.08	2.57
6700.1	6730.1	1.83	1.79	1.70	6730.1	1.13	1.25	1.64	2610.0	3.62	2.86	2.40
6860.1	6890.1	1.86	1.87	1.81	6890.1	1.09	1.50	1.95	2690.0	3.50	2.77	2.36
7040.1	7070.1	2.02	2.10	2.06	7070.1	1.34	1.74	2.25	2790.0	3.23	2.59	2.27
7200.1	7230.1	2.09	2.16	2.13	7230.1	1.87	2.18	2.67	2870.0	3.09	2.56	2.29
7380.1	7410.1	2.23	2.13	2.07	7410.1	2.49	2.67	3.08	2970.0	2.90	2.53	2.36
7540.1	7570.1	3.04	2.82	2.73	7570.1	2.97	3.02	3.33	3050.0	2.84	2.60	2.52
7720.1	7750.1	3.31	3.02	2.89	7750.1	3.52	3.36	3.54	3150.0	2.82	2.73	2.73
7880.1	7910.1	3.80	3.39	3.23	7910.1	4.05	3.67	3.77	3230.0	2.92	2.96	3.03
8060.1	8090.1	4.22	3.64	3.40	8090.1	4.72	4.09	3.95	3330.0	3.00	3.16	3.34
8220.1	8250.1	4.18	3.76	3.14	8250.1	4.80	4.14	3.86	3410.0	3.03	3.27	3.56
8400.1	8430.1	4.30	3.59	3.10	8430.1	4.23	3.79	3.71	3510.0	3.16	3.55	3.97

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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+9	15	15	36	---	---	---	---	---	---
1	-	20	+0	33	18	44	52	---	---	---	---	---
2	83	62	56	55	55	56	58	70	---	---	---	---
3	>90	>73	61	>73	60	>73	66	>73	>73	---	---	---
4	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	---	---
5	---	---	>73	>73	>73	>73	>73	>73	>73	>73	>73	---
6	---	---	---	>73	>73	>73	>73	>73	>73	>73	>73	>73
7	---	---	---	---	>73	>73	>73	>73	>73	>73	>73	>73
8	---	---	---	---	---	>73	>73	>73	>73	>73	>73	>73
9	---	---	---	---	---	---	>73	>73	>73	>73	>73	>73
10	---	---	---	---	---	---	---	>73	>73	>73	>73	>73
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

Test conditions:

RF IN: 5100 MHz; -10.00 dBm.

LO IN: 5130 MHz; +10.00 dBm

IF OUT: 30 MHz; -16.71 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	1	26	26	46	---	---	---	---	---	---
1	-	20	+0	34	18	47	52	---	---	---	---	---
2	63	46	47	39	46	48	50	67	---	---	---	---
3	>90	53	39	62	38	59	47	59	81	---	---	---
4	>90	82	77	60	72	54	72	57	70	79	---	---
5	---	---	>83	80	64	>83	57	79	61	82	>83	---
6	---	---	---	>83	>83	70	>83	63	>83	67	>83	>83
7	---	---	---	---	>83	>83	76	>83	69	>83	73	>83
8	---	---	---	---	---	>83	>83	80	>83	74	>83	79
9	---	---	---	---	---	---	>83	>83	>83	>83	80	>83
10	---	---	---	---	---	---	---	>83	>83	>83	>83	>83
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 5100 MHz; 0.00 dBm.

LO IN: 5130 MHz; +10.00 dBm

IF OUT: 30 MHz; -6.75 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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