

Frequency Mixer

SIM-63LH+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)		
		@LO (dBm)		
		+7	+10	+13
550.0	580.0	19.19	12.50	8.87
750.0	780.0	7.31	6.60	6.29
950.0	980.0	6.81	6.27	5.85
1150.0	1180.0	6.41	6.28	6.18
1350.0	1380.0	6.26	6.21	6.25
1550.0	1580.0	6.17	6.02	5.98
1750.0	1780.0	6.45	6.27	6.21
1950.0	1980.0	6.62	6.49	6.43
2150.0	2180.0	6.51	6.36	6.29
2350.0	2380.0	6.11	5.93	5.85
2550.0	2580.0	6.51	6.08	5.82
2750.0	2780.0	5.56	5.32	5.21
2950.0	2980.0	5.09	5.00	5.02
3150.0	3180.0	5.27	5.30	5.38
3350.0	3380.0	5.53	5.53	5.59
3550.0	3580.0	6.07	5.94	5.91
3730.0	3760.0	6.61	6.42	6.38
3910.0	3940.0	7.45	7.11	6.91
4010.0	4040.0	7.50	7.22	7.10
4090.0	4120.0	7.72	7.36	7.25
4190.0	4220.0	8.11	7.63	7.46
4270.0	4300.0	8.05	7.56	7.42
4370.0	4400.0	8.73	7.83	7.59
4520.0	4550.0	7.82	6.95	6.79
4640.0	4670.0	8.10	7.16	6.98
4780.0	4810.0	8.00	7.25	7.33
4900.0	4930.0	7.97	7.30	7.29
5040.0	5070.0	8.29	7.63	7.57
5160.0	5190.0	8.54	7.96	7.89
5300.0	5330.0	8.28	8.02	8.08
5420.0	5450.0	8.36	8.04	8.00
5560.0	5590.0	8.55	8.26	8.15
5680.0	5710.0	8.14	7.94	7.90
5820.0	5850.0	7.83	7.65	7.62
5940.0	5970.0	8.61	8.22	8.05
6080.0	6110.0	8.20	7.81	7.62
6200.0	6230.0	7.89	7.55	7.32
6340.0	6370.0	8.16	7.87	7.64
6460.0	6490.0	9.40	9.02	8.78
6600.0	6630.0	14.98	12.80	12.11

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)		
		@LO (dBm)		
		+7	+10	+13
550.0	580.0	-4.69	1.33	11.39
750.0	780.0	5.24	13.31	14.53
950.0	980.0	6.35	7.94	9.60
1150.0	1180.0	8.94	9.04	9.42
1350.0	1380.0	11.85	11.61	13.01
1550.0	1580.0	14.71	13.50	16.22
1750.0	1780.0	14.26	15.40	19.95
1950.0	1980.0	18.69	18.52	18.78
2150.0	2180.0	14.48	14.86	15.31
2350.0	2380.0	10.21	11.61	12.54
2550.0	2580.0	7.65	8.63	9.91
2750.0	2780.0	5.21	6.07	7.31
2950.0	2980.0	11.89	12.65	12.76
3150.0	3180.0	14.24	15.51	16.19
3350.0	3380.0	17.19	18.84	18.91
3550.0	3580.0	14.90	14.82	15.88
3730.0	3760.0	16.81	15.55	15.21
3910.0	3940.0	14.29	15.12	15.86
4010.0	4040.0	15.23	16.31	16.17
4090.0	4120.0	16.13	18.63	17.08
4190.0	4220.0	15.09	17.38	17.41
4270.0	4300.0	15.46	18.76	19.11
4370.0	4400.0	19.68	20.22	19.84
4520.0	4550.0	11.58	11.89	11.46
4640.0	4670.0	12.83	11.34	11.19
4780.0	4810.0	14.48	12.21	10.30
4900.0	4930.0	13.87	13.33	12.63
5040.0	5070.0	18.34	14.27	14.78
5160.0	5190.0	17.21	15.09	15.72
5300.0	5330.0	13.13	15.48	14.43
5420.0	5450.0	16.26	16.37	16.22
5560.0	5590.0	17.00	16.92	15.17
5680.0	5710.0	15.06	17.73	17.29
5820.0	5850.0	16.58	15.48	16.10
5940.0	5970.0	15.08	14.11	14.34
6080.0	6110.0	12.03	11.55	11.78
6200.0	6230.0	11.57	10.93	11.17
6340.0	6370.0	13.18	12.82	12.12
6460.0	6490.0	12.69	14.75	14.71
6600.0	6630.0	9.76	11.60	13.95

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+3dBm (dB)		
		@LO (dBm)		
		+7	+10	+13
550.0	580.0	-4.17	-0.23	1.02
750.0	780.0	3.42	2.71	2.23
950.0	980.0	2.75	2.65	2.58
1150.0	1180.0	2.04	1.69	1.39
1350.0	1380.0	1.13	0.87	0.73
1550.0	1580.0	0.90	0.70	0.56
1750.0	1780.0	0.98	0.70	0.50
1950.0	1980.0	0.90	0.69	0.52
2150.0	2180.0	1.09	0.85	0.66
2350.0	2380.0	1.38	1.14	0.94
2550.0	2580.0	1.76	1.58	1.38
2750.0	2780.0	2.26	1.97	1.77
2950.0	2980.0	1.78	1.46	1.31
3150.0	3180.0	1.09	0.77	0.65
3350.0	3380.0	1.48	1.09	0.84
3550.0	3580.0	1.51	1.15	0.91
3730.0	3760.0	1.16	0.89	0.71
3910.0	3940.0	1.06	0.87	0.77
4010.0	4040.0	0.93	0.76	0.70
4090.0	4120.0	0.79	0.60	0.50
4190.0	4220.0	0.81	0.60	0.47
4270.0	4300.0	0.84	0.61	0.46
4370.0	4400.0	0.93	0.70	0.56
4520.0	4550.0	1.48	1.14	1.03
4640.0	4670.0	1.57	1.19	1.01
4780.0	4810.0	1.38	1.15	1.07
4900.0	4930.0	1.07	0.81	0.73
5040.0	5070.0	0.86	0.62	0.55
5160.0	5190.0	0.70	0.49	0.44
5300.0	5330.0	0.78	0.49	0.43
5420.0	5450.0	0.58	0.43	0.42
5560.0	5590.0	0.46	0.35	0.31
5680.0	5710.0	0.57	0.40	0.35
5820.0	5850.0	0.59	0.44	0.37
5940.0	5970.0	0.73	0.66	0.60
6080.0	6110.0	1.00	0.91	0.88
6200.0	6230.0	1.17	1.04	1.00
6340.0	6370.0	1.25	1.03	0.96
6460.0	6490.0	1.20	0.83	0.75
6600.0	6630.0	0.73	0.84	0.58

REV. X2

SIM-63LH+

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IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED • RoHS compliant

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3010.1MHz (dB)		
		@LO (dBm)		
		+10		
1550.1	1460.0		10.80	
1510.1	1500.0		9.60	
1470.1	1540.0		8.86	
1430.1	1580.0		8.52	
1390.1	1620.0		8.25	
1350.1	1660.0		8.09	
1310.1	1700.0		7.72	
1270.1	1740.0		7.42	
1230.1	1780.0		7.56	
1190.1	1820.0		8.01	
1150.1	1860.0		8.15	
1110.1	1900.0		8.11	
1070.1	1940.0		8.05	
1030.1	1980.0		8.02	
990.1	2020.0		7.96	
950.1	2060.0		7.63	
910.1	2100.0		7.42	
870.1	2140.0		7.12	
830.1	2180.0		6.75	
790.1	2220.0		6.59	
750.1	2260.0		6.44	
710.1	2300.0		6.52	
670.1	2340.0		6.53	
630.1	2380.0		6.54	
590.1	2420.0		6.09	
550.1	2460.0		5.82	
510.1	2500.0		5.55	
470.1	2540.0		5.35	
430.1	2580.0		5.25	
390.1	2620.0		5.30	
350.1	2660.0		5.22	
310.1	2700.0		5.19	
270.1	2740.0		5.13	
230.1	2780.0		5.19	
190.1	2820.0		5.28	
150.1	2860.0		5.28	
110.1	2900.0		5.19	
70.1	2940.0		5.15	
30.1	2980.0		5.07	
10.1	3000.0		5.50	

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=739.9MHz (dB)		
		@LO (dBm)		
		+10		
10.1	750.0		7.15	
50.1	790.0		6.61	
90.1	830.0		6.52	
130.1	870.0		6.48	
170.1	910.0		6.49	
210.1	950.0		6.61	
250.1	990.0		6.57	
290.1	1030.0		6.44	
330.1	1070.0		6.28	
370.1	1110.0		6.27	
410.1	1150.0		6.31	
450.1	1190.0		6.25	
490.1	1230.0		6.17	
530.1	1270.0		6.15	
570.1	1310.0		6.19	
610.1	1350.0		6.15	
650.1	1390.0		6.20	
690.1	1430.0		6.19	
730.1	1470.0		6.31	
770.1	1510.0		6.45	
810.1	1550.0		6.47	
850.1	1590.0		6.50	
890.1	1630.0		6.74	
930.1	1670.0		6.95	
970.1	1710.0		7.08	
1010.1	1750.0		7.09	
1050.1	1790.0		6.97	
1090.1	1830.0		7.24	
1130.1	1870.0		7.40	
1170.1	1910.0		7.56	
1210.1	1950.0		7.62	
1250.1	1990.0		7.82	
1290.1	2030.0		7.98	
1330.1	2070.0		8.09	
1370.1	2110.0		8.24	
1410.1	2150.0		8.47	
1450.1	2190.0		8.64	
1490.1	2230.0		9.04	
1530.1	2270.0		9.49	
1590.1	2330.0		10.59	

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=6010.1MHz (dB)		
		@LO (dBm)		
		+10		
1510.1	4500.0		12.60	
1470.1	4540.0		12.09	
1430.1	4580.0		11.81	
1390.1	4620.0		11.43	
1350.1	4660.0		11.16	
1310.1	4700.0		11.12	
1270.1	4740.0		10.77	
1230.1	4780.0		10.57	
1190.1	4820.0		10.21	
1150.1	4860.0		9.78	
1110.1	4900.0		9.45	
1070.1	4940.0		9.00	
1030.1	4980.0		8.63	
990.1	5020.0		8.33	
950.1	5060.0		7.96	
910.1	5100.0		7.94	
870.1	5140.0		7.68	
830.1	5180.0		7.62	
790.1	5220.0		7.52	
750.1	5260.0		7.34	
710.1	5300.0		7.35	
670.1	5340.0		7.14	
630.1	5380.0		7.04	
590.1	5420.0		6.93	
550.1	5460.0		6.91	
510.1	5500.0		6.98	
470.1	5540.0		6.86	
430.1	5580.0		6.78	
390.1	5620.0		6.89	
350.1	5660.0		6.92	
310.1	5700.0		7.04	
270.1	5740.0		7.25	
230.1	5780.0		7.51	
190.1	5820.0		7.81	
150.1	5860.0		8.00	
130.1	5880.0		8.10	
90.1	5920.0		8.11	
70.1	5940.0		8.04	
30.1	5980.0		8.00	
10.1	6000.0		8.36	

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+7	+10	+13	+7	+10	+13
580.0	63.45	61.39	57.89	28.88	29.02	29.15
780.0	41.56	40.63	40.44	24.70	26.74	28.99
980.0	40.40	41.01	41.50	26.69	29.00	31.11
1180.0	41.05	40.43	39.67	30.66	32.25	32.44
1380.0	35.15	33.80	32.71	34.02	35.24	35.38
1580.0	33.73	32.61	31.73	29.06	30.36	31.29
1780.0	35.56	34.34	33.22	21.21	21.45	21.31
1980.0	34.56	33.58	32.83	13.04	13.91	14.39
2180.0	34.91	33.62	32.74	11.63	13.04	14.15
2380.0	32.27	30.75	29.52	14.31	16.03	17.69
2580.0	31.12	29.87	29.25	17.19	18.76	20.20
2780.0	29.16	27.24	25.56	19.24	19.71	19.79
2980.0	29.15	26.63	25.11	21.25	20.40	19.94
3180.0	26.71	25.38	24.20	24.41	23.57	22.91
3380.0	27.34	26.20	25.58	22.76	22.56	22.42
3580.0	26.33	25.60	25.13	22.35	22.66	23.06
3760.0	26.10	25.39	24.62	18.77	19.30	19.74
3940.0	26.79	26.15	25.21	19.36	20.00	20.67
4040.0	27.32	26.37	25.27	18.35	19.41	20.46
4120.0	27.12	26.29	25.18	16.71	17.76	18.88
4220.0	26.99	25.98	24.63	15.77	16.77	17.92
4300.0	27.83	26.32	24.62	15.51	16.49	17.61
4400.0	29.46	27.18	25.08	15.03	15.82	16.76
4550.0	28.75	26.19	23.87	15.37	15.61	15.63
4670.0	28.87	26.27	23.15	17.25	16.86	15.46
4810.0	29.10	26.50	22.98	23.17	20.55	17.38
4930.0	28.98	26.37	23.38	38.13	31.88	27.43
5070.0	28.02	25.78	23.52	30.61	31.97	32.72
5190.0	27.04	25.32	23.76	26.74	27.04	26.72
5330.0	25.81	24.93	24.14	24.70	24.32	23.79
5450.0	24.79	24.49	24.12	23.32	22.66	22.00
5590.0	24.27	24.36	24.22	21.96	21.12	20.48
5710.0	24.14	24.54	24.72	21.17	20.19	19.74
5850.0	23.40	24.23	24.50	19.71	19.17	18.62
5970.0	22.69	23.76	24.70	18.72	18.20	18.07
6110.0	21.45	22.59	23.67	18.27	18.02	18.10
6230.0	21.12	22.47	23.50	18.04	18.30	18.37
6370.0	22.28	23.88	25.14	18.39	19.09	19.52
6490.0	24.64	26.57	28.27	18.50	19.69	20.47
6630.0	29.01	29.94	31.33	17.62	18.74	19.14

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+7	+10	+13
550.0	580.0	28.19	24.87	20.29
750.0	780.0	15.77	14.32	13.73
950.0	980.0	13.04	12.49	12.14
1150.0	1180.0	19.12	18.82	18.59
1350.0	1380.0	25.03	25.52	25.81
1550.0	1580.0	27.10	27.10	26.93
1750.0	1780.0	26.91	26.76	26.66
1950.0	1980.0	34.07	33.90	33.78
2150.0	2180.0	38.73	38.67	38.80
2350.0	2380.0	39.43	39.65	39.88
2550.0	2580.0	35.36	35.39	35.77
2750.0	2780.0	28.79	28.56	28.48
2950.0	2980.0	26.35	26.47	26.85
3150.0	3180.0	23.48	23.15	23.13
3350.0	3380.0	28.25	27.43	26.63
3550.0	3580.0	20.01	19.82	19.70
3730.0	3760.0	22.13	21.38	21.07
3910.0	3940.0	30.07	29.81	30.35
4010.0	4040.0	39.05	37.74	35.98
4090.0	4120.0	28.93	27.45	26.62
4190.0	4220.0	24.96	23.27	22.25
4270.0	4300.0	23.66	21.67	20.76
4370.0	4400.0	27.85	26.80	26.85
4520.0	4550.0	28.12	27.53	26.68
4640.0	4670.0	27.25	25.93	24.68
4780.0	4810.0	27.86	25.14	23.31
4900.0	4930.0	24.46	23.14	22.15
5040.0	5070.0	23.06	23.60	23.76
5160.0	5190.0	24.58	25.25	25.68
5300.0	5330.0	27.45	28.29	28.93
5420.0	5450.0	30.17	30.94	31.60
5560.0	5590.0	32.40	33.31	34.02
5680.0	5710.0	34.31	35.22	35.52
5820.0	5850.0	33.90	34.52	34.77
5940.0	5970.0	29.66	29.74	29.64
6080.0	6110.0	25.98	25.61	25.13
6200.0	6230.0	24.19	23.69	22.91
6340.0	6370.0	22.52	22.03	21.33
6460.0	6490.0	21.60	21.29	20.97
6600.0	6630.0	21.78	21.32	21.62

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=6000MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+7	+10	+13		+7	+10	+13		+7	+10	+13
550.0	580.0	10.89	6.81	4.82	580.0	36.97	34.75	28.03	10.0	1.57	1.95	2.29
750.0	780.0	2.37	2.25	2.19	780.0	10.19	8.35	8.64	50.0	1.60	1.98	2.33
950.0	980.0	2.13	1.96	1.82	980.0	3.07	3.85	4.80	90.0	1.57	1.92	2.24
1150.0	1180.0	3.15	3.12	3.07	1180.0	1.46	2.01	2.62	130.0	1.60	1.92	2.22
1350.0	1380.0	3.19	3.08	3.05	1380.0	1.08	1.40	1.86	170.0	1.60	1.87	2.13
1550.0	1580.0	2.95	2.71	2.48	1580.0	1.67	2.01	2.53	210.0	1.61	1.83	2.05
1750.0	1780.0	3.05	2.74	2.55	1780.0	2.07	2.62	3.31	250.0	1.62	1.80	2.00
1950.0	1980.0	3.18	3.01	2.89	1980.0	1.92	2.61	3.39	290.0	1.63	1.75	1.91
2150.0	2180.0	3.08	2.89	2.75	2180.0	1.90	2.48	3.17	330.0	1.67	1.75	1.89
2350.0	2380.0	2.59	2.39	2.24	2380.0	2.08	2.40	2.90	370.0	1.66	1.69	1.80
2550.0	2580.0	2.82	2.60	2.44	2580.0	1.98	2.03	2.35	410.0	1.72	1.71	1.78
2750.0	2780.0	1.90	1.70	1.52	2780.0	1.64	1.52	1.76	450.0	1.70	1.65	1.69
2950.0	2980.0	1.34	1.34	1.35	2980.0	1.43	1.15	1.45	490.0	1.74	1.64	1.64
3150.0	3180.0	1.60	1.67	1.73	3180.0	1.18	1.24	1.65	530.0	1.70	1.57	1.54
3350.0	3380.0	1.54	1.51	1.51	3380.0	1.17	1.56	2.05	570.0	1.69	1.49	1.42
3550.0	3580.0	2.26	2.13	2.06	3580.0	1.63	1.98	2.48	610.0	1.67	1.43	1.31
3730.0	3760.0	3.09	2.88	2.74	3760.0	2.12	2.37	2.82	650.0	1.68	1.40	1.22
3910.0	3940.0	3.85	3.56	3.33	3940.0	2.77	2.73	3.03	690.0	1.88	1.60	1.43
4010.0	4040.0	4.03	3.74	3.53	4040.0	3.26	2.95	3.11	730.0	2.32	2.04	1.88
4090.0	4120.0	4.10	3.74	3.46	4120.0	3.72	3.13	3.11	770.0	3.12	2.77	2.54
4190.0	4220.0	4.42	3.98	3.67	4220.0	4.20	3.26	3.04	810.0	3.81	3.34	3.02
4270.0	4300.0	4.16	3.69	3.37	4300.0	4.68	3.29	2.86	850.0	4.19	3.65	3.29
4370.0	4400.0	4.66	4.01	3.69	4400.0	5.72	3.67	2.86	890.0	4.30	3.75	3.36
4520.0	4550.0	3.05	2.67	2.47	4550.0	6.28	3.95	2.78	930.0	4.18	3.66	3.30
4640.0	4670.0	2.98	2.60	2.36	4670.0	6.73	4.29	2.88	970.0	4.15	3.65	3.31
4780.0	4810.0	3.13	2.73	2.51	4810.0	6.91	4.27	2.87	1010.0	4.03	3.57	3.24
4900.0	4930.0	3.24	2.86	2.67	4930.0	6.76	4.00	2.72	1050.0	3.98	3.55	3.26
5040.0	5070.0	3.62	3.25	3.08	5070.0	5.95	3.73	2.90	1090.0	3.95	3.55	3.29
5160.0	5190.0	4.04	3.67	3.52	5190.0	5.19	3.56	3.16	1130.0	3.97	3.63	3.42
5300.0	5330.0	4.36	3.96	3.84	5330.0	4.17	3.40	3.43	1170.0	4.10	3.81	3.64
5420.0	5450.0	4.47	4.05	3.78	5450.0	3.43	3.25	3.56	1210.0	4.20	3.96	3.84
5560.0	5590.0	4.45	4.09	3.74	5590.0	2.94	3.06	3.44	1250.0	4.41	4.27	4.22
5680.0	5710.0	4.19	3.84	3.56	5710.0	2.63	2.90	3.30	1290.0	4.67	4.61	4.64
5820.0	5850.0	3.45	3.14	2.88	5850.0	2.15	2.52	2.93	1330.0	5.10	5.16	5.28
5940.0	5970.0	3.79	3.52	3.28	5970.0	1.94	2.27	2.62	1370.0	5.68	5.87	6.11
6080.0	6110.0	2.92	2.73	2.55	6110.0	1.90	2.19	2.48	1390.0	6.01	6.28	6.56
6200.0	6230.0	2.10	1.99	1.84	6230.0	2.11	2.39	2.66	1430.0	6.86	7.31	7.70
6340.0	6370.0	1.74	1.68	1.61	6370.0	2.71	3.03	3.31	1450.0	7.34	7.87	8.31
6460.0	6490.0	2.28	2.24	2.19	6490.0	3.37	3.71	3.99	1490.0	8.39	9.04	9.58
6600.0	6630.0	4.02	3.83	3.76	6630.0	3.02	3.17	3.28	1510.0	8.90	9.63	10.13

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	4	4	12	36	19	36	32	---	---	---
1	-	18	+0	22	12	31	41	57	46	46	---	---
2	90	63	52	60	69	64	64	>72	64	67	65	---
3	>90	>72	66	>72	67	>72	66	>72	>72	>72	>72	>72
4	>90	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72
5	>90	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72
6	>90	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72
7	>90	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72
8	---	---	>72	>72	>72	>72	>72	>72	>72	>72	>72	>72
9	---	---	---	>72	>72	>72	>72	>72	>72	>72	>72	>72
10	---	---	---	---	>72	>72	>72	>72	>72	>72	>72	>72
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

Test conditions: RF IN: 3375 MHz; -12.00 dBm.
LO IN: 3405 MHz; +10.00 dBm
IF OUT: 30 MHz; -17.76 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	6	15	22	48	30	49	45	---	---	---
1	-	17	+0	22	12	32	41	56	48	47	---	---
2	70	51	40	49	64	53	56	70	55	58	56	---
3	>90	62	45	55	44	52	44	60	70	70	65	70
4	>90	>82	71	66	70	61	65	65	77	>82	77	75
5	>90	75	>82	>82	70	75	68	>82	72	82	>82	>82
6	>90	>82	>82	>82	>82	>82	>82	77	82	>82	>82	>82
7	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
8	---	---	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
9	---	---	---	>82	>82	>82	>82	>82	>82	>82	>82	>82
10	---	---	---	---	>82	>82	>82	>82	>82	>82	>82	>82
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 3375 MHz; -2.00 dBm.
LO IN: 3405 MHz; +10.00 dBm
IF OUT: 30 MHz; -7.85 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.