

# Frequency Mixer

# SIM-852MH+

## 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=+9dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+10	+13	+16			+10	+13	+16			+10	+13	+16
2600.1	2630.1	34.76	23.78	14.01	2600.1	2630.1	-2.03	-4.97	1.00	2600.1	2630.1	-18.09	-9.85	-2.84
2780.1	2810.1	32.30	19.36	8.10	2780.1	2810.1	-3.23	-2.52	10.40	2780.1	2810.1	-17.82	-7.39	1.66
2980.1	3010.1	21.45	8.94	6.44	2980.1	3010.1	-3.56	8.36	13.77	2980.1	3010.1	-8.99	1.20	2.00
3160.1	3190.1	10.77	6.78	6.15	3160.1	3190.1	5.83	12.11	16.56	3160.1	3190.1	0.24	2.38	1.54
3360.1	3390.1	7.08	6.46	6.17	3360.1	3390.1	12.13	15.14	18.04	3360.1	3390.1	2.94	1.79	1.28
3540.1	3570.1	6.99	6.63	6.42	3540.1	3570.1	15.40	17.49	18.86	3540.1	3570.1	1.95	1.29	1.02
3740.1	3770.1	6.97	6.68	6.51	3740.1	3770.1	17.41	18.57	18.82	3740.1	3770.1	1.53	1.01	0.78
3920.1	3950.1	7.23	6.96	6.81	3920.1	3950.1	19.81	21.63	20.49	3920.1	3950.1	1.06	0.71	0.55
4120.1	4150.1	7.36	7.08	6.92	4120.1	4150.1	20.19	22.64	23.80	4120.1	4150.1	0.92	0.59	0.44
4300.1	4330.1	7.57	7.31	7.14	4300.1	4330.1	20.37	24.20	24.90	4300.1	4330.1	0.74	0.48	0.38
4500.1	4530.1	7.44	7.21	7.14	4500.1	4530.1	20.40	22.46	22.00	4500.1	4530.1	0.60	0.38	0.29
4680.1	4710.1	7.26	7.00	6.94	4680.1	4710.1	17.10	19.59	23.99	4680.1	4710.1	0.69	0.30	0.23
4880.1	4910.1	7.79	7.16	7.00	4880.1	4910.1	20.94	19.97	22.22	4880.1	4910.1	0.59	0.33	0.26
5060.1	5090.1	8.37	7.53	7.23	5060.1	5090.1	24.92	22.12	23.14	5060.1	5090.1	0.33	0.34	0.31
5260.1	5290.1	8.67	7.81	7.49	5260.1	5290.1	26.41	22.16	22.81	5260.1	5290.1	0.05	0.18	0.27
5440.1	5470.1	8.41	7.71	7.42	5440.1	5470.1	23.85	20.94	21.24	5440.1	5470.1	0.06	0.14	0.25
5640.1	5670.1	8.31	7.75	7.43	5640.1	5670.1	23.21	21.45	20.13	5640.1	5670.1	0.12	0.14	0.24
5820.1	5850.1	7.93	7.46	7.23	5820.1	5850.1	23.56	22.61	18.87	5820.1	5850.1	0.21	0.18	0.19
6020.1	6050.1	7.88	7.38	7.06	6020.1	6050.1	19.69	21.60	19.24	6020.1	6050.1	0.22	0.18	0.22
6200.1	6230.1	7.50	7.04	6.79	6200.1	6230.1	18.06	20.87	20.26	6200.1	6230.1	0.33	0.26	0.30
6400.1	6430.1	7.32	6.74	6.46	6400.1	6430.1	15.60	19.67	20.87	6400.1	6430.1	0.51	0.39	0.42
6580.1	6610.1	7.15	6.45	6.19	6580.1	6610.1	13.86	18.92	21.31	6580.1	6610.1	0.79	0.52	0.56
6780.1	6810.1	7.24	6.20	5.95	6780.1	6810.1	12.19	16.94	20.60	6780.1	6810.1	1.08	0.84	0.80
6960.1	6990.1	8.57	6.14	5.90	6960.1	6990.1	10.72	15.74	19.35	6960.1	6990.1	0.06	0.81	0.76
7160.1	7190.1	8.57	6.10	5.88	7160.1	7190.1	10.96	15.00	18.60	7160.1	7190.1	-0.03	0.84	0.75
7340.1	7370.1	9.26	6.29	6.08	7340.1	7370.1	10.44	14.84	18.35	7340.1	7370.1	-0.59	0.69	0.67
7540.1	7570.1	9.52	6.54	6.39	7540.1	7570.1	11.53	16.36	19.61	7540.1	7570.1	-0.66	0.61	0.67
7720.1	7750.1	11.23	6.81	6.65	7720.1	7750.1	8.34	16.39	19.57	7720.1	7750.1	-1.96	0.52	0.60
7920.1	7950.1	11.33	7.18	7.05	7920.1	7950.1	9.27	17.26	20.00	7920.1	7950.1	-1.70	0.57	0.68
8100.1	8130.1	10.97	7.51	7.44	8100.1	8130.1	11.75	18.33	20.57	8100.1	8130.1	-1.29	0.46	0.59
8300.1	8330.1	9.95	7.91	7.79	8300.1	8330.1	22.52	21.09	21.60	8300.1	8330.1	-0.25	0.34	0.50
8480.1	8510.1	9.77	8.40	8.31	8480.1	8510.1	19.57	21.66	22.88	8480.1	8510.1	0.12	0.24	0.37
8680.1	8710.1	9.52	8.58	8.51	8680.1	8710.1	21.42	23.04	23.61	8680.1	8710.1	0.17	0.16	0.31
8860.1	8890.1	9.65	9.03	8.98	8860.1	8890.1	22.97	23.89	23.75	8860.1	8890.1	0.14	0.16	0.29
9060.1	9090.1	10.18	9.56	9.55	9060.1	9090.1	23.82	24.26	24.51	9060.1	9090.1	0.12	0.13	0.21
9240.1	9270.1	10.82	10.13	10.13	9240.1	9270.1	25.52	25.67	25.39	9240.1	9270.1	0.09	0.09	0.17
9440.1	9470.1	12.21	10.67	10.53	9440.1	9470.1	29.89	27.60	27.02	9440.1	9470.1	-0.07	0.05	0.13
9620.1	9650.1	13.89	11.16	10.89	9620.1	9650.1	21.43	26.90	27.06	9620.1	9650.1	-0.46	0.01	0.12
9820.1	9850.1	19.90	11.46	10.95	9820.1	9850.1	9.38	25.71	26.34	9820.1	9850.1	-3.81	-0.05	0.08
10000.1	10030.1	24.33	11.71	10.82	10000.1	10030.1	5.55	25.70	26.38	10000.1	10030.1	-7.74	-0.12	0.06



## Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=6350MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3690MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=9010.09MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+13			+13			+13
2049.9	4300.1	11.28	10.1	3700.1	6.74	2210.0	6800.1	11.30
1943.9	4406.1	10.84	130.1	3820.1	6.47	2150.0	6860.1	11.30
1838.0	4512.0	9.79	250.1	3940.1	6.41	2090.0	6920.1	11.06
1732.0	4618.0	9.03	370.1	4060.1	6.43	2030.0	6980.1	10.90
1626.0	4724.0	8.79	490.1	4180.1	6.49	1970.0	7040.1	10.80
1520.1	4829.9	8.53	610.1	4300.1	6.71	1910.0	7100.1	10.53
1414.1	4935.9	8.19	730.1	4420.1	6.77	1850.0	7160.1	10.64
1308.1	5041.9	7.74	850.1	4540.1	6.73	1790.0	7220.1	10.52
1202.1	5147.9	7.53	970.1	4660.1	6.78	1730.0	7280.1	10.37
1096.2	5253.8	7.11	1090.1	4780.1	6.88	1670.0	7340.1	10.50
990.2	5359.8	6.76	1210.1	4900.1	7.10	1610.0	7400.1	10.32
884.2	5465.8	6.49	1330.1	5020.1	7.40	1550.0	7460.1	10.51
778.3	5571.7	6.31	1450.1	5140.1	7.82	1490.0	7520.1	10.49
672.3	5677.7	6.25	1550.1	5240.1	8.07	1430.0	7580.1	10.29
566.3	5783.7	6.43	1670.1	5360.1	8.22	1370.0	7640.1	10.43
460.4	5889.6	6.38	1770.1	5460.1	8.47	1310.0	7700.1	10.25
354.4	5995.6	6.43	1890.1	5580.1	8.56	1250.0	7760.1	10.35
248.4	6101.6	6.51	1990.1	5680.1	8.53	1190.0	7820.1	10.37
142.5	6207.5	6.60	2110.1	5800.1	8.47	1130.0	7880.1	10.31
36.5	6313.5	6.74	2210.1	5900.1	8.59	1070.0	7940.1	10.43
143.6	6493.6	6.86	2330.1	6020.1	8.50	1010.0	8000.1	10.61
357.2	6707.2	7.04	2430.1	6120.1	8.63	950.0	8060.1	10.59
570.9	6920.9	7.23	2550.1	6240.1	8.45	890.0	8120.1	10.25
784.6	7134.6	7.33	2650.1	6340.1	8.37	830.0	8180.1	10.52
998.3	7348.3	7.36	2770.1	6460.1	8.19	770.0	8240.1	10.21
1212.0	7562.0	7.30	2870.1	6560.1	8.04	710.0	8300.1	9.97
1425.6	7775.6	7.50	2990.1	6680.1	7.87	670.0	8340.1	9.90
1639.3	7989.3	7.33	3090.1	6780.1	7.80	610.0	8400.1	9.89
1853.0	8203.0	7.48	3210.1	6900.1	7.61	570.0	8440.1	9.81
2066.7	8416.7	7.61	3310.1	7000.1	7.45	510.0	8500.1	9.62
2280.4	8630.4	7.62	3430.1	7120.1	7.29	470.0	8540.1	9.46
2494.1	8844.1	7.65	3530.1	7220.1	7.24	410.0	8600.1	9.45
2707.7	9057.7	7.50	3650.1	7340.1	7.39	370.0	8640.1	9.42
2921.4	9271.4	7.40	3750.1	7440.1	7.41	310.0	8700.1	9.30
3135.1	9485.1	7.93	3870.1	7560.1	7.55	270.0	8740.1	9.32
3348.8	9698.8	8.25	3970.1	7660.1	7.75	210.0	8800.1	9.21
3562.5	9912.5	8.74	4090.1	7780.1	8.44	170.0	8840.1	9.15
3749.4	10099.4	9.36	4190.1	7880.1	8.92	110.0	8900.1	9.21
3963.1	10313.1	9.80	4310.1	8000.1	9.26	70.0	8940.1	9.05
4150.1	10500.1	10.48	4410.1	8100.1	9.91	10.0	9000.1	9.36

# Frequency Mixer

# SIM-852MH+

## Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+10	+13	+16	+10	+13	+16
2630.1	38.50	38.18	38.05	23.50	23.37	23.62
2810.1	38.49	38.47	41.57	22.55	22.80	22.95
3010.1	37.92	40.47	40.12	21.71	22.12	23.61
3190.1	38.22	43.62	41.24	21.16	22.11	24.27
3390.1	48.07	45.10	43.39	21.02	23.05	24.80
3570.1	45.76	44.36	43.14	22.39	23.93	24.52
3770.1	42.45	41.54	40.39	22.74	23.27	22.90
3950.1	39.77	38.84	37.69	22.09	21.60	20.69
4150.1	37.97	36.77	35.66	21.07	20.13	19.12
4330.1	37.38	36.49	35.33	19.42	18.60	17.52
4530.1	36.46	35.99	35.48	17.23	16.27	15.36
4710.1	38.03	36.95	35.93	16.07	15.17	14.24
4910.1	36.34	35.88	35.41	14.98	14.09	13.42
5090.1	34.98	35.01	35.17	13.85	13.24	12.70
5290.1	33.05	33.27	33.54	13.01	12.66	12.36
5470.1	32.43	32.56	32.94	12.52	12.36	12.39
5670.1	32.11	32.60	32.73	11.67	11.82	12.12
5850.1	32.40	34.11	34.79	10.87	11.40	11.80
6050.1	31.46	33.03	34.82	10.54	11.34	11.96
6230.1	31.27	32.67	34.41	10.57	11.71	12.51
6430.1	31.18	32.99	34.95	11.06	12.43	13.48
6610.1	30.97	32.93	35.01	11.56	13.02	14.18
6810.1	31.00	33.11	35.37	12.30	13.79	15.22
6990.1	30.70	32.94	35.34	13.01	14.37	15.95
7190.1	31.40	34.20	37.02	13.93	15.32	17.14
7370.1	32.88	35.87	38.18	14.52	15.91	17.46
7570.1	36.31	38.50	37.38	16.11	17.32	18.20
7750.1	41.54	40.97	36.16	18.55	18.72	18.05
7950.1	55.59	37.60	32.52	24.17	19.90	16.73
8130.1	37.45	33.66	29.24	24.55	18.73	14.68
8330.1	31.95	30.52	27.32	17.53	15.47	12.98
8510.1	30.46	30.14	28.05	14.72	14.19	12.82
8710.1	30.99	31.24	29.91	14.52	15.00	14.74
8890.1	32.83	33.24	32.82	15.61	16.49	16.91
9090.1	35.60	35.88	36.32	17.51	18.77	20.00
9270.1	40.82	40.86	41.21	19.57	20.60	21.86
9470.1	46.96	44.67	43.99	21.13	20.47	20.56
9650.1	43.75	42.24	40.96	22.35	19.71	19.64
9850.1	39.64	39.93	39.33	21.88	18.84	18.81
10030.1	38.24	38.78	38.41	20.24	18.77	18.90

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+10	+13	+16
2600.1	2630.1	11.39	11.55	12.24
2780.1	2810.1	12.53	12.86	14.94
2980.1	3010.1	14.10	16.92	15.39
3160.1	3190.1	17.83	18.71	18.08
3360.1	3390.1	21.01	21.25	21.38
3540.1	3570.1	23.72	23.90	23.91
3740.1	3770.1	23.42	22.73	22.03
3920.1	3950.1	21.36	20.42	19.58
4120.1	4150.1	19.65	18.75	18.06
4300.1	4330.1	19.02	18.17	17.47
4500.1	4530.1	18.13	17.37	16.95
4680.1	4710.1	18.95	18.18	17.72
4880.1	4910.1	20.38	19.62	19.08
5060.1	5090.1	21.13	20.92	20.51
5260.1	5290.1	20.61	20.64	20.48
5440.1	5470.1	20.25	20.19	19.99
5640.1	5670.1	19.56	19.55	19.41
5820.1	5850.1	18.83	18.78	18.58
6020.1	6050.1	18.37	18.28	18.21
6200.1	6230.1	18.54	18.46	18.39
6400.1	6430.1	19.02	19.02	18.93
6580.1	6610.1	20.21	20.31	20.22
6780.1	6810.1	21.96	22.38	22.41
6960.1	6990.1	24.18	25.29	25.53
7160.1	7190.1	30.12	31.36	32.18
7340.1	7370.1	28.88	28.45	28.45
7540.1	7570.1	21.20	21.35	21.23
7720.1	7750.1	16.72	17.24	17.17
7920.1	7950.1	13.93	14.49	14.49
8100.1	8130.1	12.27	12.85	12.91
8300.1	8330.1	11.89	12.26	12.36
8480.1	8510.1	12.86	13.13	13.13
8680.1	8710.1	15.85	16.09	15.98
8860.1	8890.1	19.73	20.15	20.36
9060.1	9090.1	23.44	23.71	24.04
9240.1	9270.1	28.33	28.32	28.69
9440.1	9470.1	49.85	49.07	50.50
9620.1	9650.1	32.08	34.15	33.27
9820.1	9850.1	25.48	28.68	28.94
10000.1	10030.1	22.93	25.91	26.86

# Frequency Mixer

# SIM-852MH+

## Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=900MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+10	+13	+16		+10	+13	+16		+10	+13	+16
2600.1	2630.1	8.12	6.17	3.76	2630.1	45.72	43.44	38.61	10.0	1.03	1.25	1.45
2780.1	2810.1	9.28	5.99	2.67	2810.1	39.49	36.97	27.59	129.7	1.13	1.28	1.47
2980.1	3010.1	8.47	3.68	2.81	3010.1	29.96	23.18	14.15	249.5	1.27	1.36	1.53
3160.1	3190.1	4.96	3.31	3.11	3190.1	17.93	10.19	9.90	369.2	1.41	1.47	1.61
3360.1	3390.1	3.97	3.70	3.56	3390.1	6.42	7.00	8.12	488.9	1.54	1.54	1.64
3540.1	3570.1	4.13	3.91	3.79	3570.1	4.88	6.17	7.56	608.7	1.71	1.65	1.72
3740.1	3770.1	4.52	4.30	4.14	3770.1	4.18	5.41	6.66	728.4	1.85	1.75	1.80
3920.1	3950.1	4.73	4.46	4.29	3950.1	4.03	5.13	6.26	848.1	1.99	1.82	1.82
4120.1	4150.1	4.91	4.56	4.29	4150.1	3.90	4.74	5.66	967.9	2.20	1.95	1.90
4300.1	4330.1	5.02	4.68	4.37	4330.1	3.73	4.32	5.10	1087.6	2.36	2.07	1.98
4500.1	4530.1	4.53	4.14	3.92	4530.1	3.30	3.58	4.24	1207.3	2.46	2.10	1.97
4680.1	4710.1	4.42	3.95	3.69	4710.1	3.66	3.49	3.85	1327.1	2.62	2.18	2.00
4880.1	4910.1	5.20	4.39	4.01	4910.1	3.70	3.26	3.41	1446.8	2.80	2.29	2.07
5060.1	5090.1	6.05	5.16	4.64	5090.1	3.37	2.91	2.95	1566.5	2.84	2.29	2.05
5260.1	5290.1	6.21	5.34	4.87	5290.1	2.95	2.54	2.59	1686.3	2.86	2.26	2.00
5440.1	5470.1	5.93	5.16	4.64	5470.1	2.61	2.32	2.40	1806.0	2.95	2.31	2.03
5640.1	5670.1	5.49	4.88	4.32	5670.1	2.46	2.32	2.48	1925.7	2.99	2.30	2.01
5820.1	5850.1	5.06	4.55	3.99	5850.1	2.46	2.42	2.68	2045.5	2.79	2.12	1.84
6020.1	6050.1	4.87	4.43	3.95	6050.1	2.71	2.62	2.97	2165.2	2.76	2.07	1.79
6200.1	6230.1	4.28	3.93	3.65	6230.1	3.09	2.89	3.26	2284.9	2.67	1.98	1.72
6400.1	6430.1	3.89	3.48	3.23	6430.1	3.86	3.23	3.48	2404.7	2.54	1.88	1.62
6580.1	6610.1	3.50	3.03	2.81	6610.1	4.68	3.69	3.83	2524.4	2.41	1.79	1.56
6780.1	6810.1	3.33	2.70	2.47	6810.1	5.95	4.31	4.25	2644.1	2.28	1.72	1.52
6960.1	6990.1	3.63	2.48	2.26	6990.1	7.97	5.19	4.70	2743.9	2.20	1.70	1.53
7160.1	7190.1	3.54	2.46	2.22	7190.1	10.13	6.11	5.17	2863.6	2.10	1.70	1.59
7340.1	7370.1	3.55	2.44	2.21	7370.1	11.77	6.61	5.22	2963.4	2.03	1.73	1.67
7540.1	7570.1	3.73	2.61	2.44	7570.1	13.49	6.97	5.28	3083.2	1.97	1.80	1.80
7720.1	7750.1	4.42	2.92	2.73	7750.1	14.62	7.02	4.82	3182.9	1.90	1.83	1.87
7920.1	7950.1	4.69	3.26	3.05	7950.1	12.44	6.05	4.07	3302.7	1.86	1.94	2.03
8100.1	8130.1	4.87	3.64	3.45	8130.1	9.33	4.87	3.31	3402.4	1.81	1.99	2.13
8300.1	8330.1	4.79	3.95	3.70	8330.1	6.46	3.71	2.63	3522.2	1.84	2.12	2.31
8480.1	8510.1	5.00	4.31	4.07	8510.1	4.99	3.03	2.25	3622.0	1.85	2.21	2.45
8680.1	8710.1	5.75	4.96	4.67	8710.1	3.79	2.42	1.93	3741.7	1.90	2.36	2.66
8860.1	8890.1	6.71	5.95	5.58	8890.1	3.10	2.12	1.86	3841.5	1.97	2.50	2.87
9060.1	9090.1	7.31	6.51	6.15	9090.1	2.95	2.18	2.05	3961.2	2.13	2.77	3.22
9240.1	9270.1	7.22	6.51	6.13	9270.1	3.26	2.50	2.39	4061.0	2.30	3.00	3.52
9440.1	9470.1	8.23	7.08	6.58	9470.1	4.21	3.10	2.84	4180.7	2.67	3.46	4.07
9620.1	9650.1	9.74	8.05	7.31	9650.1	5.42	3.83	3.33	4280.5	2.99	3.82	4.47
9820.1	9850.1	13.39	9.48	8.43	9850.1	6.83	4.91	3.84	4400.2	3.57	4.44	5.13
10000.1	10030.1	12.61	8.95	7.87	10030.1	7.87	5.95	4.30	4500.0	4.96	7.76	9.48



## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+14	33	14	---	---	---	---	---	---	---
1	-	12	+0	33	26	48	---	---	---	---	---	---
2	74	61	45	56	48	62	59	---	---	---	---	---
3	>90	68	63	74	71	75	>77	>77	---	---	---	---
4	---	---	>77	>77	>77	>77	>77	>77	>77	---	---	---
5	---	---	---	>77	>77	>77	>77	>77	>77	>77	---	---
6	---	---	---	---	>77	>77	>77	>77	>77	>77	>77	---
7	---	---	---	---	---	76	>77	>77	>77	>77	>77	>77
8	---	---	---	---	---	---	73	>77	>77	>77	>77	>77
9	---	---	---	---	---	---	---	>77	>77	>77	>77	>77
10	---	---	---	---	---	---	---	---	>77	>77	>77	>77
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 6350 MHz; -6.00 dBm.  
 LO IN: 6380 MHz; +13.00 dBm  
 IF OUT: 30 MHz; -13 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+4	42	26	---	---	---	---	---	---	---
1	-	12	+0	34	25	49	---	---	---	---	---	---
2	54	53	36	47	40	54	50	---	---	---	---	---
3	69	48	43	54	46	56	62	72	---	---	---	---
4	---	---	71	76	61	72	62	70	71	---	---	---
5	---	---	---	78	81	86	63	84	75	76	---	---
6	---	---	---	---	>87	>87	80	86	78	>87	81	---
7	---	---	---	---	---	>87	>87	>87	83	86	>87	>87
8	---	---	---	---	---	---	>87	>87	>87	>87	>87	>87
9	---	---	---	---	---	---	---	>87	>87	>87	>87	>87
10	---	---	---	---	---	---	---	---	>87	>87	>87	>87
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 6350 MHz; 4.00 dBm.  
 LO IN: 6380 MHz; +13.00 dBm  
 IF OUT: 30 MHz; -2.98 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.