

Frequency Mixer

MCA1-60+

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=+1dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+4	+7	+10			+4	+7	+10			+4	+7	+10
1500.1	1530.1	7.98	6.89	6.68	1500.1	1530.1	6.96	8.69	6.55	1500.1	1530.1	1.99	2.00	1.88
1680.1	1710.1	6.39	5.98	5.73	1680.1	1710.1	9.49	8.89	8.24	1680.1	1710.1	2.05	1.75	1.50
1860.1	1890.1	5.80	5.56	5.42	1860.1	1890.1	11.50	10.44	10.14	1860.1	1890.1	1.67	1.43	1.28
2040.1	2070.1	5.73	5.50	5.39	2040.1	2070.1	11.14	9.93	9.04	2040.1	2070.1	1.47	1.27	1.14
2220.1	2250.1	5.53	5.35	5.32	2220.1	2250.1	10.55	11.64	12.96	2220.1	2250.1	1.34	1.06	0.89
2400.1	2430.1	5.52	5.37	5.33	2400.1	2430.1	10.32	12.25	13.92	2400.1	2430.1	1.27	0.99	0.82
2580.1	2610.1	5.54	5.46	5.46	2580.1	2610.1	15.30	18.27	19.91	2580.1	2610.1	0.85	0.57	0.45
2760.1	2790.1	5.78	5.58	5.48	2760.1	2790.1	15.12	16.59	16.68	2760.1	2790.1	1.21	0.97	0.77
2940.1	2970.1	6.71	6.34	6.13	2940.1	2970.1	15.64	17.06	16.75	2940.1	2970.1	1.19	0.95	0.79
3120.1	3150.1	7.25	6.86	6.64	3120.1	3150.1	12.36	13.54	15.99	3120.1	3150.1	0.72	0.57	0.46
3300.1	3330.1	7.70	7.25	6.98	3300.1	3330.1	13.50	13.95	14.85	3300.1	3330.1	0.53	0.41	0.34
3480.1	3510.1	7.98	7.44	7.15	3480.1	3510.1	9.87	11.55	12.43	3480.1	3510.1	0.51	0.41	0.35
3660.1	3690.1	7.73	7.12	6.81	3660.1	3690.1	9.86	10.96	11.25	3660.1	3690.1	0.75	0.54	0.45
3840.1	3870.1	7.73	6.94	6.55	3840.1	3870.1	7.71	9.70	10.87	3840.1	3870.1	1.01	0.58	0.49
4020.1	4050.1	7.71	7.01	6.62	4020.1	4050.1	6.66	8.18	10.13	4020.1	4050.1	1.09	0.68	0.56
4200.1	4230.1	7.19	6.46	6.23	4200.1	4230.1	5.10	10.93	13.21	4200.1	4230.1	1.23	0.86	0.63
4380.1	4410.1	6.77	5.91	5.77	4380.1	4410.1	5.67	7.85	10.93	4380.1	4410.1	1.15	0.72	0.54
4560.1	4590.1	6.44	5.66	5.57	4560.1	4590.1	9.06	9.01	12.38	4560.1	4590.1	1.09	0.64	0.38
4740.1	4770.1	6.92	6.11	5.95	4740.1	4770.1	11.12	10.32	11.27	4740.1	4770.1	1.18	1.01	0.75
4920.1	4950.1	6.22	5.74	5.68	4920.1	4950.1	7.71	8.67	10.01	4920.1	4950.1	1.24	1.00	0.86
5100.1	5130.1	5.92	5.63	5.60	5100.1	5130.1	10.18	10.13	11.61	5100.1	5130.1	1.08	0.81	0.69
5280.1	5310.1	6.19	5.87	5.77	5280.1	5310.1	12.45	11.40	12.46	5280.1	5310.1	1.02	0.78	0.62
5460.1	5490.1	6.49	6.10	5.91	5460.1	5490.1	10.51	10.07	10.88	5460.1	5490.1	1.10	0.90	0.78
5640.1	5670.1	7.09	6.61	6.34	5640.1	5670.1	8.03	7.85	8.29	5640.1	5670.1	1.36	1.08	1.01
5820.1	5850.1	8.23	7.15	6.87	5820.1	5850.1	7.52	11.15	11.41	5820.1	5850.1	1.55	1.07	0.82
6000.1	6030.1	9.84	7.81	7.09	6000.1	6030.1	0.79	6.72	11.57	6000.1	6030.1	2.08	1.63	1.04
6180.1	6210.1	10.85	8.52	7.67	6180.1	6210.1	2.04	2.88	5.61	6180.1	6210.1	3.71	3.56	2.25
6360.1	6390.1	13.27	9.18	7.67	6360.1	6390.1	8.23	3.41	4.98	6360.1	6390.1	4.43	5.77	4.73
6540.1	6570.1	15.37	11.67	9.22	6540.1	6570.1	3.03	9.01	9.40	6540.1	6570.1	-1.52	0.33	1.07
6720.1	6750.1	8.73	8.14	7.89	6720.1	6750.1	13.35	16.11	14.81	6720.1	6750.1	0.60	0.42	0.39
6900.1	6930.1	9.26	8.41	8.19	6900.1	6930.1	17.02	17.79	17.95	6900.1	6930.1	0.42	0.27	0.26
7080.1	7110.1	10.34	9.11	8.84	7080.1	7110.1	17.98	17.74	18.05	7080.1	7110.1	0.29	0.25	0.22
7280.1	7310.1	10.10	9.19	8.95	7280.1	7310.1	12.33	15.14	16.81	7280.1	7310.1	0.55	0.30	0.23
7460.1	7490.1	9.63	9.00	8.80	7460.1	7490.1	11.21	14.09	15.79	7460.1	7490.1	0.75	0.34	0.26
7660.1	7690.1	9.41	9.01	8.85	7660.1	7690.1	12.33	14.42	15.78	7660.1	7690.1	0.64	0.35	0.28
7840.1	7870.1	9.50	9.07	8.87	7840.1	7870.1	12.85	15.00	16.26	7840.1	7870.1	0.70	0.38	0.32
8040.1	8070.1	9.65	9.14	8.92	8040.1	8070.1	11.46	14.42	15.48	8040.1	8070.1	0.83	0.47	0.42
8220.1	8250.1	9.43	8.66	8.34	8220.1	8250.1	8.53	11.66	13.92	8220.1	8250.1	1.22	0.62	0.47
8420.1	8450.1	9.63	8.12	7.68	8420.1	8450.1	6.75	9.30	12.01	8420.1	8450.1	1.35	1.04	0.54
8600.1	8630.1	21.47	12.79	8.96	8600.1	8630.1	-4.58	4.66	8.74	8600.1	8630.1	-5.86	-0.09	1.43

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3800MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1590MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=6010.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+7			+7			+7
2199.9	1600.1	9.69	10.1	1600.1	6.73	2610.0	3400.1	11.24
2079.4	1720.6	9.17	70.1	1660.1	6.25	2550.0	3460.1	10.57
1958.8	1841.2	8.31	130.1	1720.1	6.02	2490.0	3520.1	10.18
1838.3	1961.7	8.05	190.1	1780.1	5.85	2430.0	3580.1	10.01
1717.7	2082.3	8.50	270.1	1860.1	5.74	2370.0	3640.1	9.94
1597.2	2202.8	8.05	330.1	1920.1	5.63	2310.0	3700.1	9.66
1476.6	2323.4	9.07	410.1	2000.1	5.58	2250.0	3760.1	9.58
1356.1	2443.9	9.48	470.1	2060.1	5.62	2190.0	3820.1	9.47
1235.5	2564.5	9.06	550.1	2140.1	5.91	2130.0	3880.1	9.38
1115.0	2685.0	8.87	610.1	2200.1	6.02	2070.0	3940.1	9.33
994.5	2805.5	9.21	690.1	2280.1	6.08	2010.0	4000.1	9.42
873.9	2926.1	8.70	750.1	2340.1	6.22	1950.0	4060.1	9.52
753.4	3046.6	8.12	830.1	2420.1	6.45	1890.0	4120.1	9.40
652.9	3147.1	7.46	890.1	2480.1	6.50	1830.0	4180.1	9.17
532.4	3267.6	7.01	970.1	2560.1	6.46	1750.0	4260.1	9.23
431.9	3368.1	6.78	1030.1	2620.1	6.58	1690.0	4320.1	9.20
311.4	3488.6	6.80	1110.1	2700.1	6.54	1610.0	4400.1	9.30
210.9	3589.1	6.60	1170.1	2760.1	6.35	1550.0	4460.1	9.46
90.4	3709.6	6.88	1250.1	2840.1	6.28	1470.0	4540.1	9.31
10.0	3810.0	7.26	1310.1	2900.1	6.17	1410.0	4600.1	9.15
129.5	3929.5	7.13	1390.1	2980.1	6.22	1330.0	4680.1	8.85
229.0	4029.0	7.40	1450.1	3040.1	6.45	1270.0	4740.1	8.64
348.5	4148.5	7.70	1530.1	3120.1	6.58	1190.0	4820.1	8.19
448.0	4248.0	7.41	1590.1	3180.1	6.77	1130.0	4880.1	7.97
567.5	4367.5	7.52	1670.1	3260.1	6.82	1050.0	4960.1	7.97
667.0	4467.0	7.57	1730.1	3320.1	6.89	990.0	5020.1	7.71
786.5	4586.5	7.71	1810.1	3400.1	7.10	910.0	5100.1	7.67
886.0	4686.0	7.60	1870.1	3460.1	7.33	850.0	5160.1	7.57
1005.5	4805.5	7.83	1950.1	3540.1	7.18	770.0	5240.1	7.63
1105.1	4905.1	7.80	2010.1	3600.1	7.34	710.0	5300.1	7.72
1224.5	5024.5	8.05	2090.1	3680.1	6.97	630.0	5380.1	7.77
1324.1	5124.1	8.02	2150.1	3740.1	6.80	570.0	5440.1	7.82
1443.5	5243.5	8.35	2230.1	3820.1	6.77	490.0	5520.1	7.57
1543.1	5343.1	8.30	2290.1	3880.1	6.93	430.0	5580.1	7.54
1662.5	5462.5	8.47	2370.1	3960.1	7.44	350.0	5660.1	7.57
1762.1	5562.1	8.79	2430.1	4020.1	7.72	290.0	5720.1	7.80
1881.5	5681.5	9.47	2510.1	4100.1	8.17	210.0	5800.1	7.60
1981.1	5781.1	10.05	2570.1	4160.1	8.86	150.0	5860.1	7.58
2100.6	5900.6	10.55	2650.1	4240.1	9.79	70.0	5940.1	7.57
2200.1	6000.1	11.13	2710.1	4300.1	10.63	10.0	6000.1	8.17

Frequency Mixer

MCA1-60+

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)			RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)					@LO (dBm)		
	+4	+7	+10	+4	+7	+10			+4	+7	+10
1530.1	35.75	33.84	35.00	16.30	18.51	20.46	1500.1	1530.1	12.62	10.84	10.76
1710.1	33.20	32.50	31.87	17.36	19.59	21.52	1680.1	1710.1	14.39	13.25	12.49
1890.1	43.11	41.51	39.92	19.41	21.31	22.22	1860.1	1890.1	19.56	18.60	17.80
2070.1	38.68	36.41	34.68	19.04	19.49	19.27	2040.1	2070.1	23.19	22.68	21.95
2250.1	33.84	32.27	31.03	18.99	18.01	17.22	2220.1	2250.1	22.55	20.89	19.64
2430.1	31.50	30.17	28.82	17.95	16.86	15.80	2400.1	2430.1	18.90	18.00	17.27
2610.1	32.22	30.52	29.47	18.05	16.61	15.74	2580.1	2610.1	15.79	15.25	14.92
2790.1	35.69	34.93	34.16	17.90	16.97	16.16	2760.1	2790.1	17.38	17.06	16.79
2970.1	34.15	33.92	33.95	16.97	16.44	16.17	2940.1	2970.1	20.69	20.40	20.06
3150.1	32.90	32.74	32.40	16.50	17.19	17.39	3120.1	3150.1	19.06	18.96	18.81
3330.1	34.84	34.41	34.35	16.13	17.50	18.84	3300.1	3330.1	19.90	19.94	19.97
3510.1	35.43	34.36	33.79	15.20	16.96	18.79	3480.1	3510.1	23.34	23.37	23.43
3690.1	39.91	35.97	33.41	14.59	15.51	16.19	3660.1	3690.1	27.32	26.68	26.29
3870.1	46.91	37.98	34.16	16.41	15.57	14.95	3840.1	3870.1	16.60	16.20	15.89
4050.1	58.90	42.41	35.67	19.80	17.44	15.58	4020.1	4050.1	14.13	13.91	13.66
4230.1	42.06	48.27	38.71	22.71	18.81	16.56	4200.1	4230.1	14.04	13.72	13.40
4410.1	36.01	37.82	35.16	24.78	21.10	18.12	4380.1	4410.1	14.13	14.04	13.89
4590.1	33.71	33.20	30.38	24.45	21.33	18.91	4560.1	4590.1	14.69	14.68	14.58
4770.1	30.40	31.11	30.39	23.73	21.44	19.72	4740.1	4770.1	15.59	15.57	15.58
4950.1	26.12	25.99	25.73	22.69	21.67	21.22	4920.1	4950.1	15.50	15.44	15.47
5130.1	23.42	23.46	23.42	21.00	21.23	21.99	5100.1	5130.1	16.09	15.82	15.79
5310.1	21.87	22.63	23.16	20.04	21.54	22.99	5280.1	5310.1	15.65	14.98	14.49
5490.1	22.14	22.81	23.39	18.44	20.33	22.39	5460.1	5490.1	19.36	18.62	18.12
5670.1	23.02	23.96	24.69	14.25	16.21	18.52	5640.1	5670.1	27.94	27.09	26.12
5850.1	23.29	24.05	24.82	13.32	15.36	17.64	5820.1	5850.1	22.75	22.31	22.24
6030.1	23.40	24.62	25.49	13.40	15.26	17.03	6000.1	6030.1	20.44	21.90	21.34
6210.1	22.70	23.80	25.21	12.50	14.11	15.78	6180.1	6210.1	18.51	19.87	21.18
6390.1	21.42	22.36	23.16	10.30	11.43	12.58	6360.1	6390.1	17.50	18.70	19.50
6570.1	19.52	19.90	20.23	7.26	8.11	9.07	6540.1	6570.1	16.58	16.57	16.70
6750.1	21.71	21.44	20.81	10.91	12.60	14.12	6720.1	6750.1	16.03	16.16	16.33
6930.1	24.58	22.80	21.38	16.38	17.44	18.31	6900.1	6930.1	14.95	15.24	15.48
7110.1	24.30	23.18	21.75	21.95	22.50	22.15	7080.1	7110.1	14.14	14.51	14.58
7310.1	24.04	23.60	22.68	28.78	27.29	24.99	7280.1	7310.1	12.58	12.83	12.88
7490.1	22.25	22.71	23.11	31.85	27.59	25.46	7460.1	7490.1	10.81	10.82	10.85
7690.1	20.73	21.97	23.27	26.04	25.01	24.40	7660.1	7690.1	9.03	9.07	9.10
7870.1	19.40	20.84	22.30	21.86	22.21	22.38	7840.1	7870.1	7.72	7.79	7.79
8070.1	17.42	18.83	20.24	18.79	19.43	19.77	8040.1	8070.1	7.32	7.50	7.63
8250.1	16.34	17.88	19.33	16.31	16.87	17.10	8220.1	8250.1	8.55	8.88	9.14
8450.1	16.14	17.86	19.37	13.19	13.62	13.45	8420.1	8450.1	12.12	12.87	13.35
8630.1	18.94	19.62	20.94	12.48	12.67	12.68	8600.1	8630.1	13.74	14.85	16.27

Frequency Mixer

MCA1-60+

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)		
		+4	+7	+10		+4	+7	+10		+4	+7	+10
1500.1	1530.1	2.14	1.78	1.71	1530.1	5.72	5.58	6.30	10.1	2.04	1.19	1.07
1680.1	1710.1	2.18	2.04	1.95	1710.1	3.42	4.02	4.93	90.1	2.07	1.24	1.14
1860.1	1890.1	2.33	2.24	2.19	1890.1	2.22	2.95	3.82	170.1	2.16	1.35	1.24
2040.1	2070.1	2.43	2.30	2.23	2070.1	1.80	2.46	3.20	250.1	2.30	1.47	1.35
2220.1	2250.1	2.36	2.22	2.14	2250.1	1.46	2.01	2.64	330.1	2.50	1.63	1.49
2400.1	2430.1	2.31	2.20	2.13	2430.1	1.31	1.80	2.37	410.1	2.75	1.85	1.69
2580.1	2610.1	2.05	1.94	1.88	2610.1	1.24	1.74	2.32	490.1	3.02	2.07	1.89
2760.1	2790.1	2.51	2.32	2.16	2790.1	1.36	1.89	2.50	570.1	3.27	2.25	2.04
2940.1	2970.1	3.72	3.48	3.30	2970.1	1.60	2.17	2.84	650.1	3.56	2.43	2.17
3120.1	3150.1	3.96	3.73	3.54	3150.1	2.00	2.60	3.35	730.1	3.87	2.61	2.27
3300.1	3330.1	4.05	3.79	3.58	3330.1	2.48	3.10	3.86	810.1	4.21	2.78	2.37
3480.1	3510.1	4.13	3.82	3.61	3510.1	3.16	3.59	4.25	890.1	4.52	2.97	2.49
3660.1	3690.1	4.06	3.59	3.29	3690.1	4.05	4.13	4.60	970.1	4.67	3.08	2.54
3840.1	3870.1	3.76	3.26	2.92	3870.1	5.12	4.78	4.91	1050.1	4.79	3.14	2.57
4020.1	4050.1	3.37	2.98	2.70	4050.1	5.81	4.95	4.87	1130.1	4.83	3.17	2.57
4200.1	4230.1	2.72	2.22	2.02	4230.1	6.37	4.57	4.25	1210.1	4.86	3.18	2.57
4380.1	4410.1	2.45	1.81	1.60	4410.1	7.73	5.02	4.04	1290.1	4.78	3.13	2.51
4560.1	4590.1	1.97	1.41	1.19	4590.1	6.81	4.26	3.14	1370.1	4.73	3.14	2.52
4740.1	4770.1	1.97	1.56	1.37	4770.1	5.04	3.01	2.06	1450.1	4.84	3.18	2.52
4920.1	4950.1	1.74	1.48	1.39	4950.1	2.97	1.84	1.27	1530.1	4.99	3.26	2.55
5100.1	5130.1	1.70	1.59	1.59	5130.1	1.60	1.27	1.48	1610.1	4.92	3.21	2.48
5280.1	5310.1	1.79	1.67	1.61	5310.1	1.21	1.65	2.18	1690.1	5.02	3.19	2.45
5460.1	5490.1	2.19	2.07	2.01	5490.1	2.01	2.46	3.05	1770.1	5.23	3.24	2.52
5640.1	5670.1	2.57	2.44	2.37	5670.1	3.49	3.66	4.23	1850.1	5.51	3.29	2.60
5820.1	5850.1	3.06	2.92	2.89	5850.1	6.37	5.79	5.77	1930.1	5.61	3.27	2.66
6000.1	6030.1	4.10	3.34	3.23	6030.1	8.68	8.64	8.01	2010.1	5.33	3.20	2.72
6180.1	6210.1	4.64	3.93	3.50	6210.1	9.69	9.85	10.07	2090.1	5.09	3.21	2.89
6360.1	6390.1	5.14	3.88	3.30	6390.1	7.76	7.73	8.27	2170.1	4.82	3.31	3.15
6540.1	6570.1	4.95	3.86	3.48	6570.1	3.25	3.37	3.59	2250.1	4.38	3.37	3.38
6720.1	6750.1	3.75	3.54	3.40	6750.1	2.82	2.55	2.52	2310.1	3.95	3.35	3.49
6900.1	6930.1	3.48	3.17	3.03	6930.1	5.25	3.43	2.45	2390.1	3.64	3.52	3.82
7080.1	7110.1	3.09	2.78	2.65	7110.1	6.66	4.18	2.84	2450.1	3.40	3.61	4.00
7280.1	7310.1	3.35	3.09	2.95	7310.1	6.32	4.35	3.61	2530.1	3.02	3.65	4.15
7460.1	7490.1	3.26	3.07	2.97	7490.1	5.00	4.33	4.38	2590.1	2.95	3.85	4.43
7660.1	7690.1	2.81	2.72	2.66	7690.1	3.98	4.40	5.03	2670.1	2.86	4.00	4.61
7840.1	7870.1	2.28	2.21	2.16	7870.1	3.81	4.56	5.34	2730.1	2.86	4.14	4.78
8040.1	8070.1	1.99	1.95	1.90	8070.1	3.93	4.55	5.16	2810.1	3.19	4.61	5.31
8220.1	8250.1	1.95	1.87	1.82	8250.1	3.78	4.06	4.37	2870.1	3.64	5.00	5.68
8420.1	8450.1	1.89	1.71	1.65	8450.1	2.46	2.39	2.39	2950.1	4.39	5.63	6.24
8600.1	8630.1	2.23	1.93	1.70	8630.1	1.87	1.88	1.85	3010.1	5.23	6.49	7.14

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+13	20	20	39	15	45	---	---	---	---
1	-	10	+0	28	20	42	35	50	45	---	---	---
2	>90	52	46	51	46	53	66	53	48	67	---	---
3	>90	65	59	>69	63	62	>69	>69	>69	>69	>69	---
4	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
5	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
6	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
7	---	---	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
8	---	---	---	>69	>69	>69	>69	>69	>69	>69	>69	>69
9	---	---	---	---	>69	65	>69	>69	>69	>69	>69	>69
10	---	---	---	---	---	>69	>69	>69	>69	>69	>69	>69
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 3800 MHz; -14.00 dBm.
 LO IN: 3830 MHz; +7.00 dBm
 IF OUT: 30 MHz; -20.98 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+3	30	31	49	30	66	---	---	---	---
1	-	10	+0	32	19	48	38	51	54	---	---	---
2	74	41	37	41	39	46	57	50	45	>79	---	---
3	>90	46	40	54	43	45	56	55	57	63	64	---
4	>90	62	72	66	58	62	56	59	>79	62	63	>79
5	>90	>79	78	72	68	>79	57	63	64	71	72	70
6	90	>79	77	>79	>79	>79	75	>79	73	75	>79	78
7	---	---	>79	>79	>79	>79	>79	>79	72	76	77	>79
8	---	---	---	>79	77	>79	>79	>79	>79	>79	>79	>79
9	---	---	---	---	>79	>79	>79	>79	>79	>79	>79	>79
10	---	---	---	---	---	>79	>79	>79	>79	>79	>79	>79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 3800 MHz; -4.00 dBm.
 LO IN: 3830 MHz; +7.00 dBm
 IF OUT: 30 MHz; -10.95 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.