Frequency Multiplier (Tripler) RMK-3-33+

Typical Performance Data

FREQUENCY (MHz)				CONVERSION LOSS	RF IN = +12 dBm (-dBc)		
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X3 OUTPUT	X1 OUTPUT	X2 OUTPUT	X4 OUTPUT
650.0	1300.0	1950.0	2600.0	15.36	6.60	49.22	46.53
660.0	1320.0	1980.0	2640.0	14.50	7.13	49.23	45.23
670.0	1340.0	2010.0	2680.0	14.15	7.18	49.17	44.38
680.0	1360.0	2040.0	2720.0	14.14	6.92	50.73	47.38
690.0	1380.0	2070.0	2760.0	14.49	6.42	48.21	44.76
700.0	1400.0	2100.0	2800.0	15.03	5.81	48.02	43.84
710.0	1420.0	2130.0	2840.0	15.13	5.46	47.90	43.56
720.0	1440.0	2160.0	2880.0	14.51	5.65	48.37	43.56
730.0	1460.0	2190.0	2920.0	13.93	5.85	48.30	44.92
740.0	1480.0	2220.0	2960.0	13.57	5.94	47.71	43.88
750.0	1500.0	2250.0	3000.0	13.55	5.72	47.79	43.57
770.0	1540.0	2310.0	3080.0	14.32	4.58	48.56	43.41
790.0	1580.0	2370.0	3160.0	14.02	4.50	48.42	43.57
810.0	1620.0	2430.0	3240.0	13.28	4.56	49.23	44.21
830.0	1660.0	2490.0	3320.0	13.67	3.81	50.10	44.00
850.0	1700.0	2550.0	3400.0	13.93	3.10	51.20	43.86
870.0	1740.0	2610.0	3480.0	13.00	3.55	50.38	43.76
890.0	1780.0	2670.0	3560.0	12.97	3.07	49.71	43.60
910.0	1820.0	2730.0	3640.0	14.05	1.81	51.15	43.37
930.0	1860.0	2790.0	3720.0	13.92	1.43	50.09	43.51
950.0	1900.0	2850.0	3800.0	12.93	1.85	49.22	42.93
960.0	1920.0	2880.0	3840.0	12.80	1.71	50.10	42.35
970.0	1940.0	2910.0	3880.0	13.25	1.15	50.16	42.12
980.0	1960.0	2940.0	3920.0	13.88	0.44	49.07	42.26
990.0	1980.0	2970.0	3960.0	14.29	-0.07	48.48	42.26
1000.0	2000.0	3000.0	4000.0	14.36	-0.34	47.74	42.22
1010.0	2020.0	3030.0	4040.0	14.11	-0.32	47.39	41.56
1020.0	2040.0	3060.0	4080.0	13.69	-0.15	47.10	41.02
1030.0	2060.0	3090.0	4120.0	13.69	-0.35	46.06	40.91
1040.0	2080.0	3120.0	4160.0	14.13	-0.93	45.27	40.72
1050.0	2100.0	3150.0	4200.0	14.66	-1.59	42.51	40.61
1070.0	2140.0	3210.0	4280.0	14.47	-1.82	41.11	39.70
1090.0	2180.0	3270.0	4360.0	14.68	-2.32	41.28	40.33
1110.0	2220.0	3330.0	4440.0	15.96	-3.69	40.30	41.07
1130.0	2260.0	3390.0	4520.0	15.56	-3.82	39.79	40.32
1150.0	2300.0	3450.0	4600.0	17.30	-5.55	40.19	42.00

* Harmonic Output below power level of X3 Output.

FREQUENCY (MHz)				CONVERSION LOSS	RF IN = +17dBm (-dBc)		
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X3 OUTPUT	X1 OUTPUT	X2 OUTPUT	X4 OUTPUT
650.0	1300.0	1950.0	2600.0	15.14	10.43	53.82	51.46
660.0	1320.0	1980.0	2640.0	14.98	10.38	54.04	48.48
670.0	1340.0	2010.0	2680.0	14.71	10.38	54.02	47.71
680.0	1360.0	2040.0	2720.0	14.35	10.38	54.05	48.50
690.0	1380.0	2070.0	2760.0	14.09	10.37	53.54	48.44
700.0	1400.0	2100.0	2800.0	14.08	10.26	52.50	47.53
710.0	1420.0	2130.0	2840.0	14.36	9.87	50.76	47.50
720.0	1440.0	2160.0	2880.0	14.49	9.46	49.64	47.32
730.0	1460.0	2190.0	2920.0	14.40	9.22	49.76	48.86
740.0	1480.0	2220.0	2960.0	14.17	9.18	48.81	47.96
750.0	1500.0	2250.0	3000.0	13.88	9.14	48.39	47.66
770.0	1540.0	2310.0	3080.0	14.05	8.56	47.83	46.87
790.0	1580.0	2370.0	3160.0	14.54	7.88	46.98	45.59
810.0	1620.0	2430.0	3240.0	14.14	7.57	47.40	45.98
830.0	1660.0	2490.0	3320.0	14.19	7.09	47.21	46.00
850.0	1700.0	2550.0	3400.0	14.91	6.12	47.79	44.96
870.0	1740.0	2610.0	3480.0	14.48	6.03	47.47	45.60
890.0	1780.0	2670.0	3560.0	14.22	5.66	46.36	46.68
910.0	1820.0	2730.0	3640.0	15.31	4.60	47.29	44.31
930.0	1860.0	2790.0	3720.0	15.71	3.80	47.63	43.77
950.0	1900.0	2850.0	3800.0	14.81	3.95	45.32	45.02
960.0	1920.0	2880.0	3840.0	14.62	3.82	44.44	45.22
970.0	1940.0	2910.0	3880.0	15.01	3.37	45.02	44.33
980.0	1960.0	2940.0	3920.0	15.69	2.75	46.68	43.21
990.0	1980.0	2970.0	3960.0	16.18	2.22	48.01	42.34
1000.0	2000.0	3000.0	4000.0	16.31	1.87	48.02	42.27
1010.0	2020.0	3030.0	4040.0	16.15	1.79	46.50	42.22
1020.0	2040.0	3060.0	4080.0	15.79	1.82	45.14	42.20
1030.0	2060.0	3090.0	4120.0	15.81	1.64	44.58	42.08
1040.0	2080.0	3120.0	4160.0	16.23	1.10	45.09	41.43
1050.0	2100.0	3150.0	4200.0	16.66	0.56	44.60	40.56
1070.0	2140.0	3210.0	4280.0	16.52	0.23	44.00	39.67
1090.0	2180.0	3270.0	4360.0	16.75	-0.30	42.49	40.54
1110.0	2220.0	3330.0	4440.0	17.57	-1.23	42.16	40.21
1130.0	2260.0	3390.0	4520.0	17.23	-1.49	40.65	40.63
1150.0	2300.0	3450.0	4600.0	18.36	-2.63	41.94	40.38

* Harmonic Output below power level of X3 Output.