Frequency Multiplier (X5) RMK-5-2251+

Typical Performance Data

FREQUENCY (MHz)							CONVERSION LOSS (dB)	RF IN = +17 dBm HARMONIC OUTPUT* (-dBc)					
X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X5 OUTPUT	X6 OUTPUT	X7 OUTPUT	X5 OUTPUT	X1 OUTPUT	X2 OUTPUT	X3 OUTPUT	X4 OUTPUT	X6 OUTPUT	X7 OUTPUT
270	540	810	1080	1350	1620	1890	22.95	9.87	41.78	1.78	36.66	30.68	3.21
275	550	825	1100	1375	1650	1925	22.67	9.61	41.07	1.84	35.87	30.20	3.87
280	560	840	1120	1400	1680	1960	22.49	9.34	39.80	2.07	34.83	29.54	4.64
285	570	855	1140	1425	1710	1995	22.17	9.17	44.34	2.25	42.18	35.38	5.35
290	580	870	1160	1450	1740	2030	21.80	9.17	49.01	2.30	40.84	38.23	5.68
295	590	885	1180	1475	1770	2065	21.54	9.05	55.02	2.32	44.74	43.69	6.14
300	600	900	1200	1500	1800	2100	21.29	9.07	66.02	2.50	49.79	52.79	6.72
305	610	915	1220	1525	1830	2135	21.10	9.03	68.38	2.51	52.32	61.09	7.10
310	620	930	1240	1550	1860	2170	20.95	9.02	64.33	2.53	53.20	64.41	7.42
315	630	945	1260	1575	1890	2205	20.91	8.89	61.83	2.42	53.05	63.93	7.82
320	640	960	1280	1600	1920	2240	20.55	9.01	61.09	2.44	52.78	63.19	7.78
330	660	990	1320	1650	1980	2310	20.35	8.58	62.47	2.29	52.01	69.13	7.79
335	670	1005	1340	1675	2010	2345	20.47	8.03	61.99	1.98	51.61	70.09	7.65
340	680	1020	1360	1700	2040	2380	20.54	7.43	62.35	1.67	51.64	71.09	7.78
345	690	1035	1380	1725	2070	2415	20.73	6.80	62.28	1.37	51.41	73.43	7.86
350	700	1050	1400	1750	2100	2450	20.87	6.28	61.96	1.14	50.88	70.48	7.83
355	710	1065	1420	1775	2130	2485	20.89	5.97	62.85	0.80	51.30	62.01	7.54
360	720	1080	1440	1800	2160	2520	21.00	5.65	61.96	0.36	50.66	67.29	7.22
365	730	1095	1460	1825	2190	2555	20.95	5.57	64.33	0.18	51.44	56.87	7.03
370	740	1110	1480	1850	2220	2590	20.90	5.51	62.59	0.00	50.06	63.01	6.78
375	750	1125	1500	1875	2250	2625	21.04	5.24	64.25	-0.31	50.00	62.20	6.51
380	760	1140	1520	1900	2280	2660	21.13	4.90	64.89	-0.71	49.59	58.94	6.48
385	770	1155	1540	1925	2310	2695	21.21	4.56	65.18	-1.08	49.10	59.44	6.31
390	780	1170	1560	1950	2340	2730	21.28	4.09	67.78	-1.34	49.25	59.11	6.48
395	790	1185	1580	1975	2370	2765	21.45	3.53	68.70	-1.69	48.97	58.36	6.58
400	800	1200	1600	2000	2400	2800	21.77	2.84	68.89	-2.26	48.88	58.96	6.59
405	810	1215	1620	2025	2430	2835	21.85	2.44	69.17	-2.54	49.34	58.71	6.87
410	820	1230	1640	2050	2460	2870	21.91	2.11	68.06	-2.81	49.48	58.45	7.07
415	830	1245	1660	2075	2490	2905	22.04	1.81	67.12	-3.07	49.30	60.83	7.16
420	840	1260	1680	2100	2520	2940	22.14	1.47	66.25	-3.48	49.46	58.71	7.34
425	850	1275	1700	2125	2550	2975	22.20	1.22	64.83	-3.85	48.93	62.36	7.44
430	860	1290	1720	2150	2580	3010	22.20	0.98	63.87	-4.06	49.67	58.03	7.88
435	870	1305	1740	2175	2610	3045	22.42	0.46	62.03	-4.47	50.16	56.62	8.21
440	880	1320	1760	2200	2640	3080	22.76	-0.15	60.29	-4.93	50.15	56.72	8.52
445	890	1335	1780	2225	2670	3115	22.96	-0.61	59.06	-5.26	50.43	55.81	8.96
450	900	1350	1800	2250	2700	3150	23.07	-0.94	57.99	-5.64	50.47	55.24	9.43
455	910	1365	1820	2275	2730	3185	23.04	-1.08	57.26	-5.82	49.88	55.44	9.58
460	920	1380	1840	2300	2760	3220	23.00	-1.17	56.68	-6.02	49.43	55.55	9.75
465	930	1395	1860	2325	2790	3255	22.98	-1.26	56.00	-6.37	49.01	55.36	9.75
470	940	1410	1880	2350	2820	3290	22.83	-1.22	55.61	-6.48	49.00	54.62	9.98

* Harmonic Output below power level of X5 Output.