

Typical Performance Data

FREQ. (MHz)	POWER OUTPUT (dBm)			HARMONICS						VCO CURRENT (mA)			PLL CURENT (mA)		
				(dBc)											
	-25°C	+25°C	+85°C	-25°C	+25°C	+85°C	-45°C	+25°C	+85°C	-25°C	+25°C	+85°C	-25°C	+25°C	+85°C
1402	0.58	0.88	1.32	-17.85	-19.09	-20.30	-27.42	-27.23	-30.36	42.99	43.85	45.13	12.72	14.19	16.16
1405	0.57	0.85	1.30	-18.28	-19.29	-20.67	-27.66	-27.53	-30.85	43.00	43.86	45.15	12.61	14.09	16.05
1430	0.45	0.71	1.16	-19.83	-21.24	-22.62	-26.96	-27.17	-30.22	43.04	43.92	45.21	11.54	13.00	14.92
1455	0.44	0.65	1.15	-21.17	-22.73	-23.82	-26.90	-27.33	-30.41	42.93	43.98	45.28	12.62	14.11	16.08
1480	0.41	0.63	1.10	-23.28	-24.40	-25.74	-28.11	-27.83	-31.62	43.16	44.04	45.35	12.72	14.22	16.19
1505	0.30	0.56	1.00	-25.18	-26.67	-27.61	-27.43	-28.23	-31.15	43.06	44.27	45.43	12.77	14.28	16.25
1530	0.19	0.39	0.85	-26.38	-28.11	-28.45	-26.67	-28.74	-30.22	43.34	44.19	45.53	12.82	14.34	16.32
1555	0.20	0.38	0.83	-28.30	-30.23	-30.59	-27.62	-29.29	-30.68	43.42	44.29	45.63	12.88	14.39	16.36
1580	0.09	0.26	0.73	-31.55	-32.45	-32.80	-27.87	-27.11	-30.25	43.53	44.38	45.73	12.87	14.39	16.36
1602	0.02	0.14	0.68	-31.61	-34.24	-33.66	-26.37	-26.49	-27.43	43.61	44.47	45.80	12.74	14.26	16.23

FREQ. (MHz)	PHASE NOISE (dBc/Hz)														
	@ OFFSETS														
	-25°C					+25°C					+85°C				
	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz
1402	-86.29	-91.22	-97.40	-122.17	-142.38	-89.51	-87.67	-96.21	-120.71	-140.39	-87.91	-86.26	-93.40	-117.44	-136.84
1405	-86.39	-90.39	-97.60	-122.16	-142.50	-89.03	-87.52	-96.64	-120.76	-140.96	-87.42	-87.26	-93.46	-117.58	-137.74
1430	-86.10	-90.34	-97.92	-122.42	-142.81	-88.67	-87.45	-96.92	-121.20	-141.49	-87.51	-86.06	-94.43	-118.46	-138.78
1455	-87.47	-91.14	-97.73	-122.41	-142.67	-87.80	-88.01	-96.96	-121.29	-141.48	-86.55	-85.46	-94.87	-118.99	-139.36
1480	-85.63	-90.23	-97.97	-122.52	-142.85	-88.09	-87.92	-97.50	-121.59	-140.92	-87.33	-86.27	-95.31	-119.54	-139.85
1505	-87.35	-90.81	-97.86	-122.55	-142.48	-86.79	-88.90	-97.50	-121.89	-142.11	-87.14	-86.04	-95.16	-119.91	-140.06
1530	-86.24	-89.40	-98.06	-122.66	-140.52	-87.64	-85.94	-97.17	-121.79	-142.00	-86.35	-85.99	-95.44	-120.08	-138.52
1555	-85.90	-89.12	-98.14	-122.64	-142.98	-87.54	-84.75	-97.28	-121.93	-140.33	-86.94	-84.80	-95.44	-120.23	-140.04
1580	-85.90	-89.60	-98.21	-122.58	-143.08	-87.36	-85.52	-97.26	-121.76	-140.91	-85.79	-85.19	-95.25	-120.17	-140.63
1602	-85.85	-89.53	-98.23	-122.54	-142.84	-86.39	-85.35	-97.39	-121.68	-141.16	-85.77	-84.76	-95.21	-119.98	-139.96

Typical Performance Data

COMPARISON SPURIOUS ORDER	COMPARISON SPURIOUS @Fcarrier 1402MHz± (n*Fcomparison) (dBc) NOTE 1			COMPARISON SPURIOUS @Fcarrier 1502MHz± (n*Fcomparison) (dBc) NOTE 1			COMPARISON SPURIOUS @Fcarrier 1602MHz± (n*Fcomparison) (dBc) NOTE 1		
	-25°C	+25°C	+85°C	-25°C	+25°C	+85°C	-25°C	+25°C	+85°C
-5	-78.01	-79.41	-79.24	-78.14	-77.03	-78.09	-77.95	-76.60	-78.14
-4	-80.67	-83.00	-83.06	-81.19	-80.27	-81.16	-80.06	-78.89	-81.38
-3	-81.19	-83.16	-83.05	-81.00	-80.68	-80.67	-79.63	-78.83	-81.32
-2	-82.04	-84.43	-84.86	-82.61	-81.87	-81.31	-81.11	-79.62	-83.30
-1	-86.28	-87.99	-93.63	-84.73	-88.46	-84.82	-88.29	-84.67	-88.21
0 ^{note 2}	-	-	-	-	-	-	-	-	-
+1	-85.11	-83.03	-83.26	-82.23	-84.96	-86.76	-85.88	-91.03	-82.89
+2	-79.24	-78.19	-77.57	-78.33	-79.18	-80.13	-79.37	-81.20	-78.70
+3	-78.29	-77.47	-77.22	-77.89	-78.28	-78.96	-77.93	-79.04	-78.23
+4	-77.58	-77.54	-77.45	-77.22	-77.92	-78.54	-77.20	-78.36	-78.09
+5	-74.99	-74.76	-75.10	-74.78	-74.99	-75.12	-74.53	-75.48	-75.57

Note 1: Comparison frequency 13 MHz

Note 2: All spurs are referenced to carrier signal (n=0).

REFERENCE SPURIOUS ORDER	REFERENCE SPURIOUS @Fcarrier 1402MHz± (n*Freference) (dBc) NOTE 3			REFERENCE SPURIOUS @Fcarrier 1502MHz± (n*Freference) (dBc) NOTE 3			REFERENCE SPURIOUS @Fcarrier 1602MHz± (n*Freference) (dBc) NOTE 3		
	-25°C	+25°C	+85°C	-25°C	+25°C	+85°C	-25°C	+25°C	+85°C
-5	-86.53	-89.14	-98.80	-83.58	-85.31	-89.94	-86.86	-85.93	-88.77
-4	-81.22	-81.67	-82.14	-81.78	-79.88	-82.17	-81.82	-81.12	-83.10
-3	-88.78	-94.11	-93.08	-82.20	-85.31	-89.89	-83.20	-83.32	-84.25
-2	-80.67	-83.00	-83.06	-81.19	-80.27	-81.16	-80.06	-78.89	-81.38
-1	-82.04	-84.43	-84.86	-82.61	-81.87	-81.31	-81.11	-79.62	-83.30
0 ^{note 4}	-	-	-	-	-	-	-	-	-
+1	-79.24	-78.19	-77.57	-78.33	-79.18	-80.13	-79.37	-81.20	-78.70
+2	-77.58	-77.54	-77.45	-77.22	-77.92	-78.54	-77.20	-78.36	-78.09
+3	-83.84	-84.87	-88.77	-85.75	-86.06	-86.71	-80.70	-81.86	-87.13
+4	-80.06	-80.05	-81.15	-80.44	-80.78	-82.29	-80.63	-82.43	-82.86
+5	-92.70	-92.89	-94.46	-89.51	-94.30	-92.56	-87.09	-89.02	-99.10

Note 3: Reference frequency 26 MHz

Note 4: All spurs are referenced to carrier signal (n=0).

Typical Performance Data

STEP SIZE SPURIOUS ORDER n	0.5 STEP SIZE & STEP SIZE SPURIOUS @ Fcarrier 1402 MHz± (n*Fstep size) (dBc) NOTE 5			0.5 STEP SIZE & STEP SIZE SPURIOUS @ Fcarrier 1502 MHz± (n*Fstep size) (dBc) NOTE 5			0.5 STEP SIZE & STEP SIZE SPURIOUS @ Fcarrier 1602 MHz± (n*Fstep size) (dBc) NOTE 5		
	-25°C	+25°C	+85°C	-25°C	+25°C	+85°C	-25°C	+25°C	+85°C
-5.0	-109.45	-95.15	-97.44	-92.86	-99.34	-98.38	-98.53	-95.58	-101.16
-4.5	-111.33	-107.62	-111.70	-112.04	-110.90	-109.98	-112.77	-110.35	-109.66
-4.0	-88.33	-85.72	-84.13	-85.27	-94.65	-95.54	-94.47	-111.26	-92.61
-3.5	-111.11	-109.06	-104.66	-110.93	-113.71	-108.20	-110.22	-113.12	-111.73
-3.0	-92.70	-89.57	-89.10	-90.71	-94.38	-95.91	-104.58	-107.56	-91.63
-2.5	-106.70	-104.50	-106.93	-109.53	-108.01	-109.67	-108.00	-108.41	-109.31
-2.0	-86.57	-88.95	-89.31	-74.50	-92.96	-89.27	-85.61	-100.70	-85.54
-1.5	-101.60	-104.43	-99.96	-104.68	-102.99	-102.28	-101.51	-101.23	-103.90
-1.0	-88.76	-74.43	-74.71	-71.70	-83.29	-80.76	-83.45	-93.43	-79.63
-0.5	-87.88	-88.97	-87.50	-84.67	-89.45	-87.25	-87.98	-84.48	-87.14
0 ^{note 6}	-	-	-	-	-	-	-	-	-
+0.5	-88.09	-88.30	-86.00	-84.05	-88.00	-85.90	-80.90	-86.82	-87.84
+1.0	-86.87	-74.68	-74.93	-71.40	-85.18	-81.54	-82.48	-95.48	-80.44
+1.5	-104.58	-104.10	-100.73	-103.45	-96.73	-104.39	-103.42	-105.60	-104.66
+2.0	-85.93	-88.24	-88.75	-74.74	-93.62	-88.44	-86.10	-101.27	-85.18
+2.5	-110.57	-107.45	-105.47	-107.63	-111.34	-110.82	-103.99	-110.77	-102.64
+3.0	-93.90	-90.72	-88.68	-90.89	-94.67	-93.94	-105.83	-106.47	-93.26
+3.5	-113.30	-107.57	-110.04	-108.55	-108.79	-111.85	-109.14	-108.35	-108.32
+4.0	-88.46	-86.53	-84.11	-84.95	-95.63	-95.31	-95.12	-109.83	-92.01
+4.5	-110.54	-111.50	-105.87	-111.43	-112.32	-111.90	-110.19	-110.96	-109.85
+5.0	-107.54	-95.39	-96.97	-92.35	-99.64	-98.60	-98.25	-95.66	-102.53

Note 5: Step size 200 kHz

Note 6: All spurs are referenced to carrier signal (n=0).