

## Typical Performance Data

FREQ. (MHz)	POWER OUTPUT (dBm)			HARMONICS (dBc)						VCO CURRENT (mA)			PLL CURENT (mA)		
				F2			F3								
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
1788	1.00	1.47	0.84	-22.92	-22.74	-22.78	-21.68	-24.24	-26.04	35.48	36.11	36.25	10.44	13.11	14.95
1888	1.60	1.98	1.32	-23.59	-24.76	-25.97	-22.37	-24.29	-27.68	35.59	36.11	36.26	10.45	13.13	14.96
2016	1.78	2.20	1.47	-21.37	-23.39	-24.31	-24.74	-27.95	-29.20	35.43	36.06	36.29	10.48	13.17	15.00
2144	2.15	2.31	1.62	-19.08	-22.08	-24.08	-26.80	-31.93	-33.95	35.27	36.05	36.34	10.52	13.20	15.03
2272	2.54	2.57	1.92	-17.23	-20.53	-23.11	-29.37	-34.94	-32.95	34.94	35.91	36.35	10.55	13.24	15.06
2400	2.63	2.65	2.01	-16.83	-18.90	-20.79	-29.22	-28.64	-30.22	34.61	35.77	36.33	10.58	13.27	15.09
2528	2.59	2.55	1.84	-15.01	-16.79	-18.11	-21.20	-23.58	-25.23	34.26	35.64	36.33	10.62	13.31	15.12
2656	1.90	1.96	1.09	-12.77	-14.17	-15.18	-30.28	-32.75	-33.19	33.92	35.47	36.29	10.64	13.33	15.14
2784	0.83	1.15	0.46	-11.36	-13.28	-14.55	-27.43	-29.28	-31.78	33.63	35.29	36.21	10.68	13.37	15.17
2912	-0.53	0.20	-0.61	-13.59	-14.53	-16.73	-33.77	-33.77	-34.55	33.36	35.11	36.13	10.70	13.39	15.19
3019	-1.46	-1.03	-1.81	-14.95	-16.88	-18.67	-32.21	-32.85	-33.75	33.10	34.95	36.05	10.73	13.41	15.22

FREQ. (MHz)	PHASE NOISE (dBc/Hz) @ OFFSETS														
	-45°C					+25°C					+85°C				
	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz
1788	-73.16	-66.05	-85.67	-107.97	-131.57	-75.49	-66.97	-84.59	-109.05	-130.73	-74.19	-68.50	-84.09	-108.44	-130.57
1888	-69.66	-61.63	-83.75	-107.12	-128.93	-72.26	-65.08	-84.03	-108.13	-129.60	-73.10	-66.26	-84.41	-108.86	-130.26
2016	-65.82	-59.81	-82.10	-105.77	-127.24	-73.03	-65.55	-83.05	-107.29	-128.82	-71.20	-66.10	-82.81	-108.01	-129.73
2144	-66.08	-60.53	-81.28	-105.30	-126.79	-74.20	-64.80	-82.03	-106.81	-128.40	-71.66	-66.03	-82.08	-107.55	-129.52
2272	-67.07	-61.19	-81.52	-105.81	-127.18	-71.08	-65.16	-81.93	-106.93	-128.67	-72.54	-67.06	-82.09	-107.42	-129.60
2400	-67.27	-59.99	-81.86	-106.02	-127.57	-72.11	-65.17	-82.83	-107.53	-129.29	-71.87	-65.86	-82.60	-107.85	-129.99
2528	-66.11	-61.10	-83.31	-107.11	-128.86	-74.14	-65.64	-83.73	-108.31	-130.07	-70.51	-65.94	-83.27	-108.55	-130.66
2656	-68.29	-60.96	-83.85	-107.73	-129.55	-72.31	-65.81	-83.71	-108.84	-130.50	-71.32	-64.43	-83.31	-108.37	-130.57
2784	-67.53	-60.58	-85.26	-109.58	-131.28	-70.56	-63.92	-85.26	-110.22	-131.71	-70.31	-64.80	-85.00	-109.31	-131.65
2912	-66.85	-61.31	-86.08	-110.08	-131.87	-69.64	-63.78	-85.80	-110.82	-132.18	-70.19	-64.50	-85.42	-109.60	-131.95
3019	-67.57	-61.32	-86.58	-111.12	-132.42	-71.09	-63.67	-86.45	-111.28	-132.46	-66.86	-61.87	-85.98	-109.65	-131.81

## Typical Performance Data

COMPARISON SPURIOUS ORDER  n	COMPARISON SPURIOUS @Fcarrier 1788MHz± (n*Fcomparison) (dBc) NOTE 1			COMPARISON SPURIOUS @Fcarrier 2403MHz± (n*Fcomparison) (dBc) NOTE 1			COMPARISON SPURIOUS @Fcarrier 3019MHz± (n*Fcomparison) (dBc) NOTE 1		
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
-5	-90.48	-101.76	-105.72	-89.89	-99.46	-100.58	-93.89	-101.19	-106.36
-4	-87.70	-99.86	-104.66	-90.65	-98.34	-100.76	-93.47	-100.83	-105.14
-3	-83.46	-98.78	-98.24	-93.10	-97.06	-98.34	-93.40	-98.78	-103.74
-2	-77.59	-95.14	-96.74	-95.35	-96.68	-99.83	-89.71	-98.41	-99.73
-1	-75.88	-85.84	-82.53	-84.57	-86.35	-83.88	-86.60	-92.51	-89.32
0 <sup>note 2</sup>	-	-	-	-	-	-	-	-	-
+1	-76.07	-84.34	-82.77	-83.76	-87.04	-84.14	-85.67	-91.26	-88.88
+2	-76.88	-92.12	-94.16	-91.66	-96.28	-98.51	-89.65	-99.16	-98.43
+3	-83.21	-96.75	-97.67	-94.10	-98.87	-97.79	-92.06	-97.27	-102.27
+4	-87.19	-99.68	-103.56	-90.82	-97.93	-99.61	-93.79	-101.44	-103.94
+5	-89.92	-100.42	-106.06	-89.35	-100.02	-102.14	-93.96	-101.11	-106.88

Note 1: Comparison frequency 100 kHz

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

REFERENCE SPURIOUS ORDER  n	REFERENCE SPURIOUS @Fcarrier 1788MHz± (n*Preference) (dBc) NOTE 3			REFERENCE SPURIOUS @Fcarrier 2403MHz± (n*Preference) (dBc) NOTE 3			REFERENCE SPURIOUS @Fcarrier 3019MHz± (n*Preference) (dBc) NOTE 3		
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
-5	-128.10	-127.82	-119.32	-128.45	-129.08	-126.32	-124.29	-121.83	-123.33
-4	-128.72	-129.16	-120.58	-126.16	-130.62	-124.66	-120.85	-118.80	-120.32
-3	-129.02	-129.10	-120.89	-125.37	-129.99	-125.62	-124.73	-123.41	-117.99
-2	-116.53	-115.96	-116.66	-118.91	-115.81	-115.26	-111.85	-105.63	-113.97
-1	-104.04	-102.93	-106.24	-103.19	-104.76	-95.61	-96.38	-87.69	-108.96
0 <sup>note 4</sup>	-	-	-	-	-	-	-	-	-
+1	-101.37	-100.09	-102.24	-103.16	-103.35	-102.72	-98.13	-94.99	-115.09
+2	-118.08	-117.35	-116.97	-111.56	-113.70	-113.53	-117.21	-110.89	-119.80
+3	-128.34	-128.25	-118.80	-123.18	-125.51	-123.88	-119.35	-118.71	-119.83
+4	-126.66	-128.35	-118.88	-128.44	-129.39	-124.68	-119.56	-117.95	-120.84
+5	-128.50	-129.69	-119.14	-127.89	-128.88	-124.40	-122.84	-121.46	-120.03

Note 3: Reference frequency 10 MHz

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