

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
2232.00	4.04	3.70	3.43	-31.86	-34.15	-36.04	-39.40	-37.88	-36.53	43.46	45.38	46.82	13.38	14.58	17.17
2236.00	4.05	3.70	3.43	-31.95	-34.02	-36.43	-35.54	-38.32	-37.68	43.48	45.40	46.83	12.23	13.39	15.93
2254.00	3.99	3.70	3.34	-29.23	-32.21	-34.27	-38.41	-38.37	-37.39	43.62	45.51	46.89	13.41	14.63	17.21
2272.00	3.80	3.54	3.05	-30.87	-32.86	-35.46	-45.57	-40.66	-38.84	43.64	45.54	46.89	13.36	14.58	17.15
2290.00	4.08	3.59	3.08	-29.90	-33.12	-34.64	-42.18	-41.36	-40.38	43.72	45.55	46.91	13.26	14.48	17.05
2308.00	4.07	3.54	3.09	-30.54	-32.93	-36.41	-43.02	-41.65	-42.89	43.63	45.47	46.86	13.46	14.69	17.27
2326.00	4.04	3.36	2.88	-30.44	-33.51	-33.48	-57.94	-44.37	-46.69	43.63	45.43	46.82	13.22	14.44	17.00
2344.00	3.91	3.33	2.69	-31.68	-32.36	-35.24	-46.23	-42.85	-42.65	43.44	45.36	46.74	13.36	14.59	17.16
2362.00	3.87	3.16	2.55	-30.03	-34.67	-36.23	-38.62	-41.49	-40.11	43.37	45.25	46.67	13.38	14.61	17.17

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
2232.00	-82.58	-90.62	-98.82	-124.15	-145.59	-83.40	-90.01	-99.25	-124.09	-144.28	-90.96	-90.73	-97.64	-122.57	-142.77
2236.00	-83.91	-90.50	-98.71	-125.32	-145.66	-84.88	-91.62	-98.52	-123.93	-144.06	-85.14	-90.24	-97.91	-122.57	-142.78
2254.00	-82.14	-91.38	-99.54	-125.84	-146.09	-84.20	-90.78	-99.34	-124.54	-144.84	-86.34	-91.41	-98.28	-122.94	-143.12
2272.00	-83.81	-90.98	-99.01	-125.49	-145.93	-84.02	-90.34	-99.15	-124.25	-144.52	-86.35	-90.32	-98.29	-122.52	-142.75
2290.00	-83.42	-88.91	-99.91	-126.24	-146.73	-85.06	-89.21	-99.42	-124.46	-144.84	-87.12	-88.51	-98.51	-123.12	-143.29
2308.00	-82.07	-91.07	-99.45	-125.58	-145.99	-84.22	-89.15	-99.08	-124.08	-144.09	-85.34	-88.69	-98.12	-122.68	-142.87
2326.00	-84.21	-89.01	-100.38	-126.47	-146.84	-83.09	-88.12	-100.10	-124.57	-144.92	-86.83	-87.81	-98.50	-122.55	-142.38
2344.00	-82.91	-90.11	-100.23	-125.73	-146.22	-85.06	-89.22	-99.62	-124.35	-144.58	-83.88	-87.18	-98.28	-122.41	-142.62
2362.00	-82.79	-89.37	-100.55	-126.07	-146.74	-82.42	-89.44	-99.38	-124.09	-144.38	-86.96	-86.14	-98.25	-122.38	-142.60

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COMPARISON SPURIOUS ORDER	COMPARISON SPURIOUS @Fcarrier 2232MHz± (n*Fcomparison) (dBc) NOTE 1			COMPARISON SPURIOUS @Fcarrier 2297MHz± (n*Fcomparison) (dBc) NOTE 1			COMPARISON SPURIOUS @Fcarrier 2362MHz± (n*Fcomparison) (dBc) NOTE 1		
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
-5	-100.03	-97.43	-98.90	-98.85	-102.42	-98.16	-98.10	-98.91	-99.86
-4	-105.79	-97.52	-97.07	-101.33	-99.85	-98.36	-100.26	-99.44	-97.95
-3	-99.26	-109.03	-99.48	-105.99	-99.77	-105.04	-105.99	-101.62	-102.24
-2	-99.40	-99.79	-101.45	-101.61	-101.56	-99.92	-103.72	-102.85	-106.24
-1	-113.29	-93.13	-103.50	-99.40	-108.71	-95.23	-101.59	-111.72	-106.92
0 ^{note 2}	-	-	-	-	-	-	-	-	-
+1	-110.57	-95.46	-113.68	-103.97	-105.63	-100.07	-104.68	-110.71	-110.62
+2	-103.28	-106.48	-108.26	-111.29	-107.10	-110.54	-110.80	-109.54	-116.55
+3	-107.68	-111.95	-106.04	-115.13	-119.12	-117.68	-120.18	-109.62	-111.54
+4	-102.31	-100.54	-103.06	-102.32	-103.18	-101.92	-106.50	-106.81	-103.72
+5	-101.31	-102.12	-104.42	-102.11	-103.72	-105.25	-105.43	-105.90	-107.47

Note 1: Comparison frequency 13 MHz

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

REFERENCE SPURIOUS ORDER	REFERENCE SPURIOUS @Fcarrier 2232MHz± (n*Freference) (dBc) NOTE 3			REFERENCE SPURIOUS @Fcarrier 2297MHz± (n*Freference) (dBc) NOTE 3			REFERENCE SPURIOUS @Fcarrier 2362MHz± (n*Freference) (dBc) NOTE 3		
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
-5	-103.68	-100.69	-106.86	-102.85	-99.08	-99.28	-100.90	-102.75	-104.53
-4	-98.37	-108.73	-100.94	-99.96	-104.08	-104.27	-95.84	-100.11	-100.60
-3	-92.12	-92.60	-98.79	-91.53	-93.33	-96.25	-90.02	-91.24	-95.53
-2	-92.84	-93.37	-94.67	-93.66	-92.69	-94.01	-92.97	-92.77	-93.36
-1	-106.30	-97.50	-96.82	-100.97	-100.35	-98.67	-100.42	-99.80	-98.19
0 ^{note 4}	-	-	-	-	-	-	-	-	-
+1	-102.62	-100.78	-103.25	-103.02	-102.95	-102.43	-106.75	-106.74	-104.85
+2	-92.65	-94.79	-99.48	-94.36	-96.75	-99.16	-96.63	-97.93	-99.99
+3	-86.87	-92.32	-101.86	-87.95	-93.11	-100.43	-90.19	-95.06	-101.98
+4	-90.35	-99.46	-105.51	-91.44	-97.24	-105.72	-92.24	-98.98	-106.74
+5	-98.29	-108.55	-114.24	-97.72	-103.91	-108.43	-98.31	-105.13	-117.80

Note 3: Reference frequency 52 MHz

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

Typical Performance Data

STEP SIZE SPURIOUS ORDER	0.5 STEP SIZE & STEP SIZE SPURIOUS @ Fcarrier 2232 MHz± (n*Fstep size) (dBc) NOTE 5			0.5 STEP SIZE & STEP SIZE SPURIOUS @ Fcarrier 2297 MHz± (n*Fstep size) (dBc) NOTE 5			0.5 STEP SIZE & STEP SIZE SPURIOUS @ Fcarrier 2362 MHz± (n*Fstep size) (dBc) NOTE 5		
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
-5.0	-113.90	-112.47	-112.93	-109.36	-111.89	-110.65	-111.08	-113.35	-108.84
-4.5	-110.82	-108.98	-109.00	-110.64	-113.35	-111.65	-107.03	-112.50	-109.43
-4.0	-111.28	-110.09	-110.03	-111.02	-109.72	-110.75	-109.25	-109.01	-112.19
-3.5	-107.65	-111.38	-106.44	-102.41	-109.29	-107.85	-103.26	-105.26	-105.75
-3.0	-105.71	-106.30	-107.21	-106.04	-105.07	-102.49	-105.24	-105.30	-102.29
-2.5	-101.41	-101.79	-105.66	-104.60	-100.54	-100.72	-98.95	-101.27	-104.63
-2.0	-97.01	-97.79	-97.46	-101.35	-98.38	-95.99	-100.29	-96.87	-99.08
-1.5	-92.27	-91.83	-90.03	-95.32	-94.32	-88.54	-88.75	-94.16	-95.82
-1.0	-87.47	-88.07	-85.47	-88.32	-84.72	-86.41	-87.98	-89.74	-89.80
-0.5	-79.85	-86.75	-84.82	-77.22	-85.94	-86.24	-84.23	-82.14	-83.50
0 ^{note 6}	-	-	-	-	-	-	-	-	-
+0.5	-79.91	-86.07	-85.25	-78.43	-87.13	-79.15	-83.77	-83.51	-81.99
+1.0	-87.07	-87.82	-88.69	-86.26	-85.66	-87.22	-86.67	-85.81	-90.00
+1.5	-93.19	-93.12	-94.16	-93.23	-93.90	-94.49	-91.92	-94.10	-94.52
+2.0	-101.40	-99.37	-100.52	-97.85	-97.35	-96.10	-101.43	-102.35	-96.56
+2.5	-104.22	-101.17	-102.44	-102.22	-98.82	-104.75	-97.77	-103.34	-104.24
+3.0	-104.92	-106.21	-103.61	-105.87	-109.05	-107.16	-103.10	-104.63	-107.86
+3.5	-105.79	-106.40	-108.78	-102.51	-108.72	-108.57	-100.64	-105.03	-105.61
+4.0	-109.98	-108.78	-110.07	-110.04	-111.39	-108.65	-106.84	-110.28	-108.95
+4.5	-109.78	-111.83	-110.59	-108.67	-106.55	-110.03	-109.15	-110.79	-109.46
+5.0	-113.88	-108.97	-110.50	-111.13	-108.21	-111.02	-112.44	-115.14	-111.95

Note 5: Step size 125 kHz

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