

TABLE 3 MEASUREMENT RESULTS OF ADS7886 DIGITAL OUTPUT WITH OPA364

Time (nsec)	Bin	60	120	180	240	300	360	420	480	540	600	660	720
		Frequency (Hz)											
Histo-gram (code)	2044	0	0	0	0	0	0	0	0	0	0	0	0
	2045	0	0	0	0	0	0	0	0	0	0	0	0
	2046	3617	4070	4091	4095	4095	4084	3707	1708	1370	1654	2230	3278
	2047	465	25	4	0	0	11	387	2284	2528	2355	1833	817
	2048	13	0	0	0	0	0	1	103	197	86	32	0
		0	0	0	0	0	0	0	0	0	0	0	0
Sigma		0.334518	0.077905	0.031242	0	0	0.051765	0.294074	0.537307	0.548346	0.527598	0.514143	0.399682
Mean		2046.12	2046.006	2046.001	2046	2046	2046.003	2046.095	2046.608	2046.714	2046.617	2046.463	2046.2
Peak-to-peak noise (code)		2.207819	0.514174	0.2062	0	0	0.341651	1.940889	3.546228	3.619084	3.482145	3.393341	2.637901
		0.119902	0.006105	0.000977	0	0	0.002686	0.094994	0.608059	0.713553	0.617094	0.463248	0.199512

Note: Resistance is 15Ω, and input capacitance is 1500 pF for the marginally stable design.