Input wave type	Time Domain Waveform				
FFT Input method	Calculate Stop Time				
Start/Stop Time	11.2621n	411.3n	When set to $0$ you are assuming all the		
Sample Count/Freq	32	80.00M		signal power falls in a single frequency bin	
Window Type	Rectangular				
Start/End Freq 2.500M:40.00M	5 2.500M	40.08M	With a value of 0, you are referencing all $\sim$ signal measurements to $\pm 1.0 \text{ V}$ (2 Vpp)		
Signal bins	0			or 0.707 V rms	
Peak Sat. Level	0.0				
Harmonics	14	8	The Total Harmonic Distortion will be computed using		
Analysis Type	Signal Analysis			14 harmonics of the fundamental frequency – it will not include any tonal components that are not	
Plot FFT (Units) 🗹 dB			harmonically related to the fundamental frequency by		
Plot PSD 🔲 Magnitude			an integer		
Window Size					
Plot Mode New Window			/	From this measurement, and knowing the Spectral Assistant	
ettermine your total power exclusive of the DC term since yo					
Outputs				know the power of the 5 MHz tone. As shown on page 2, I	
Measurement Value Compute a				compute an rms voltage of 0.061 mVrms	
E- leafValue( FFT_vref "					
- SINAD 4.1937246 (dB) - SNR -2.3035504 (dB)				From this measurement, the Spectral	
				Assistant chose the $\approx$ 5 MHz tone as the	
		3 (%)		fundamental signalthe THD will only	
THD Signal Po	-12.07201 wer -82.69147	19 (dB) 72 (dB)		Include the power of the tones at 10 MHz, 15 MHz 14*5 MHz	

Reference: https://community.cadence.com/cadence\_technology\_forums/f/mixed-signal-design/57725/spectrummeasurement-for-a-dc-signal

$$SINAD = \frac{SI(signal power)}{NAD(noise and distortion power)} = 10^{4.193/10}$$
$$= \frac{(0.707)^2 * 10^{\frac{-82.69}{10}}}{NAD}$$
$$NAD = \frac{(0.707)^2 * 10^{\frac{-82.69}{10}}}{10^{4.193/10}}$$
$$Total \ power = SI + NAD = (0.707)^2 * 10^{\frac{-82.69}{10}} \left[1 + \frac{1}{10^{4.193/10}}\right] V^2$$
$$= 3.7151E - 09 \ V^2$$
$$= 0.0610 \ mVrms$$