FFT result evaluation

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I have a signal with harmonics that are not integer multiples of the fundamental frequency. So it is not possible to guarantee that the FFT − Window get a full period of each harmonic of the analysed signal. The result of the FFT is a distributed spectrum for each harmonic and it is not possible to find out the correct magnitude of the harmonics. Is it possible to calculate the correct signal magnitude from the distributed spectrum for each harmonic ? I found a way to calculate the magnitude for each distributed spectrum, but I don't find the correct mathematical description for this problem. Has anybody an idea how to define this mathematically.