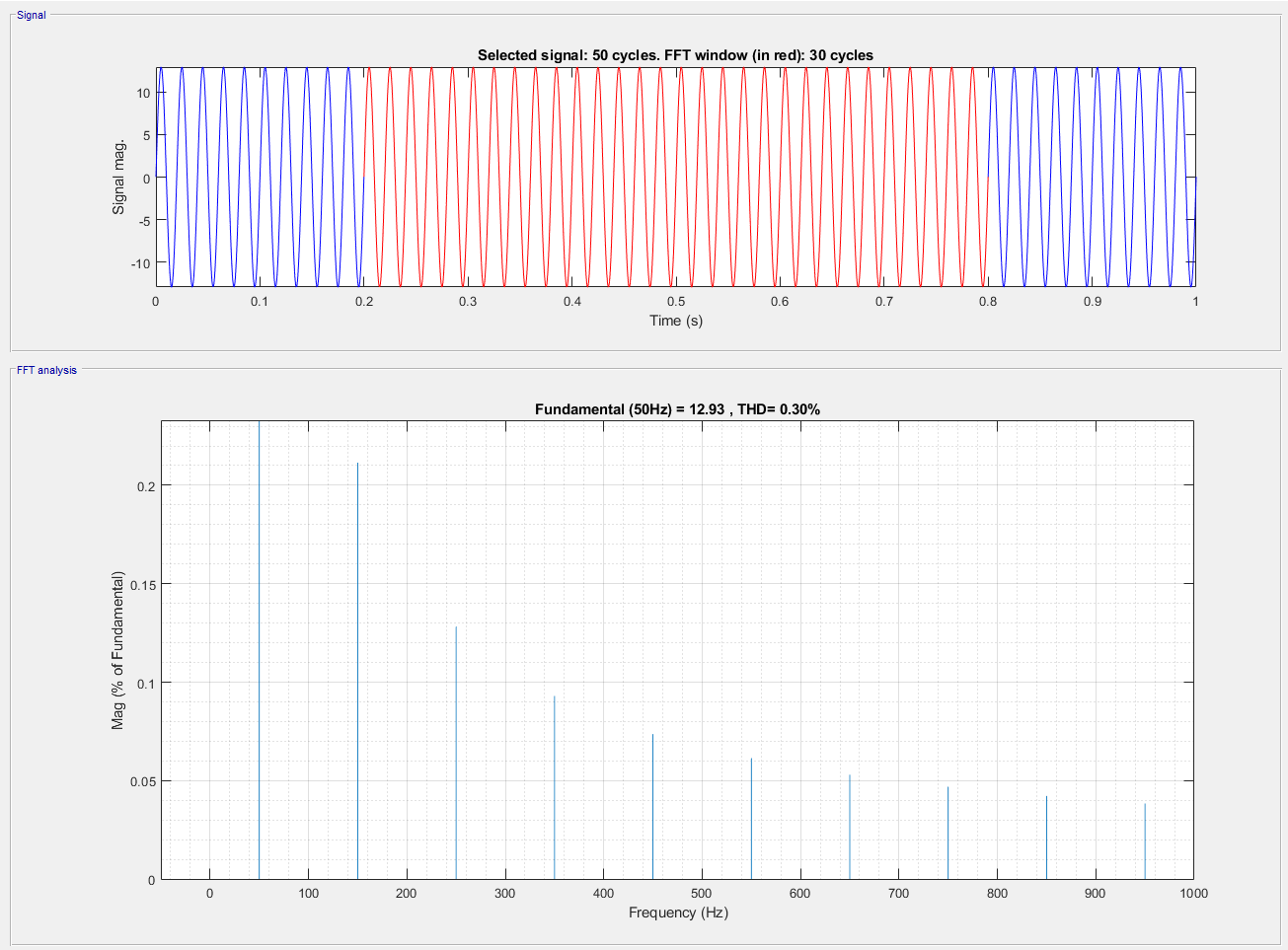
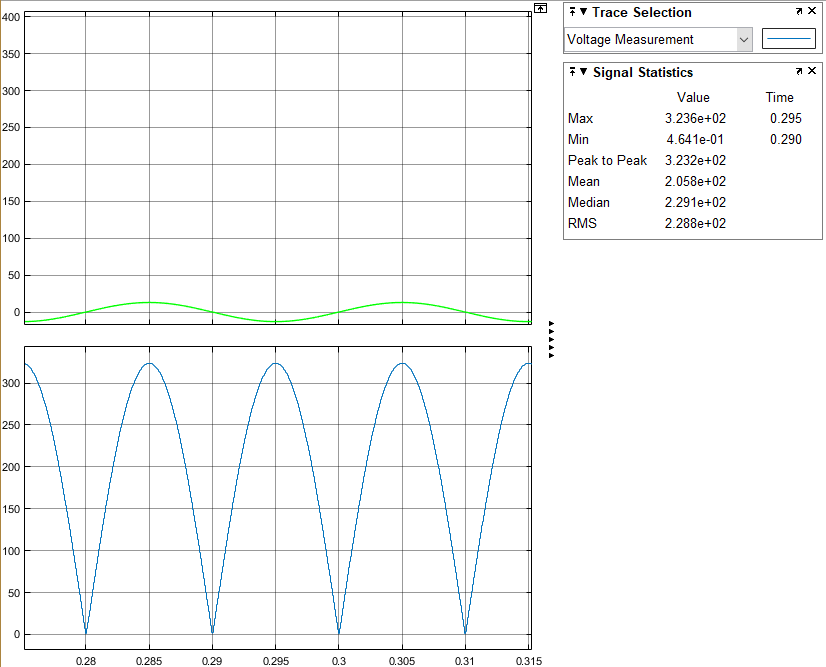


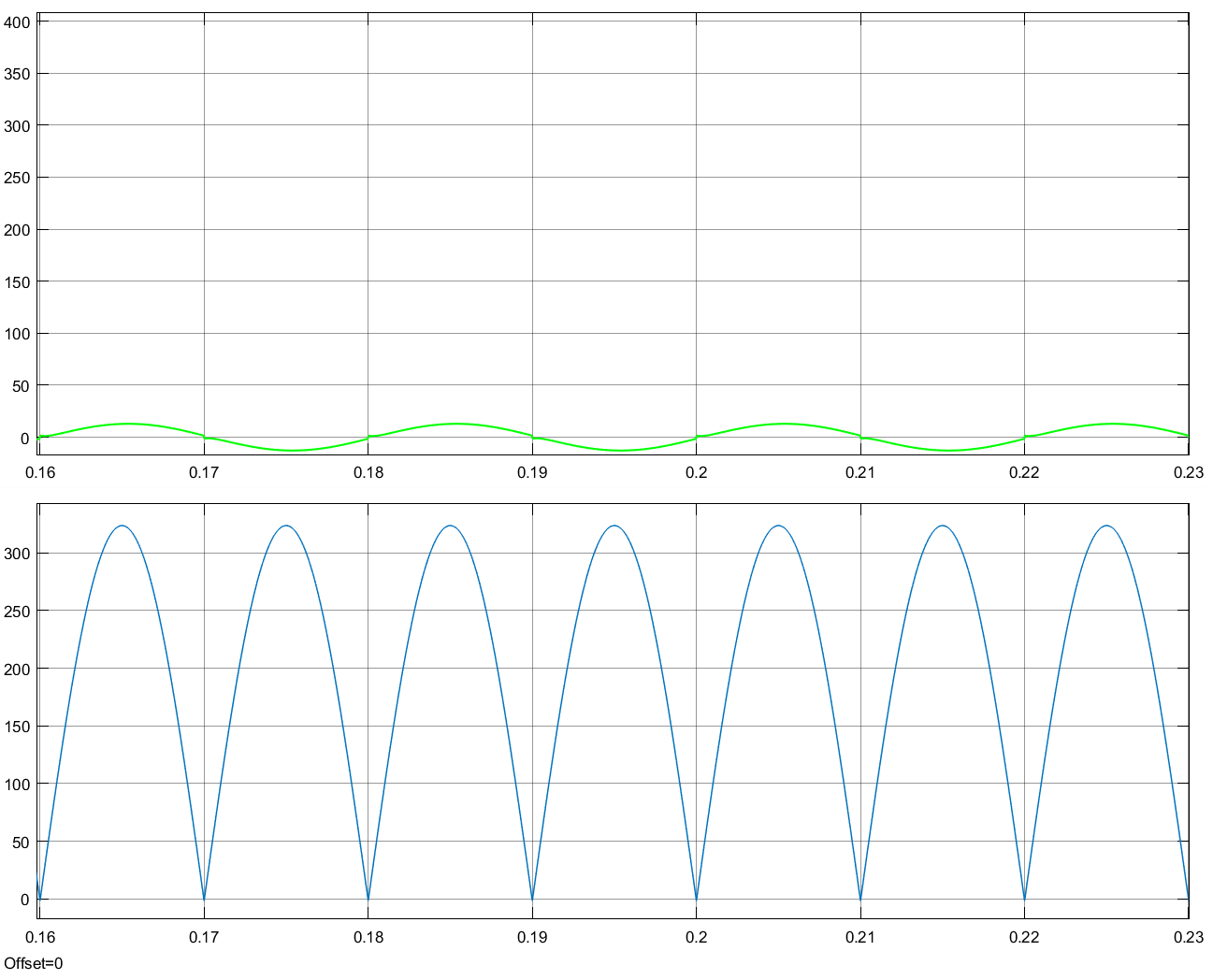
Output voltage waveform with R Load = 25 Ω



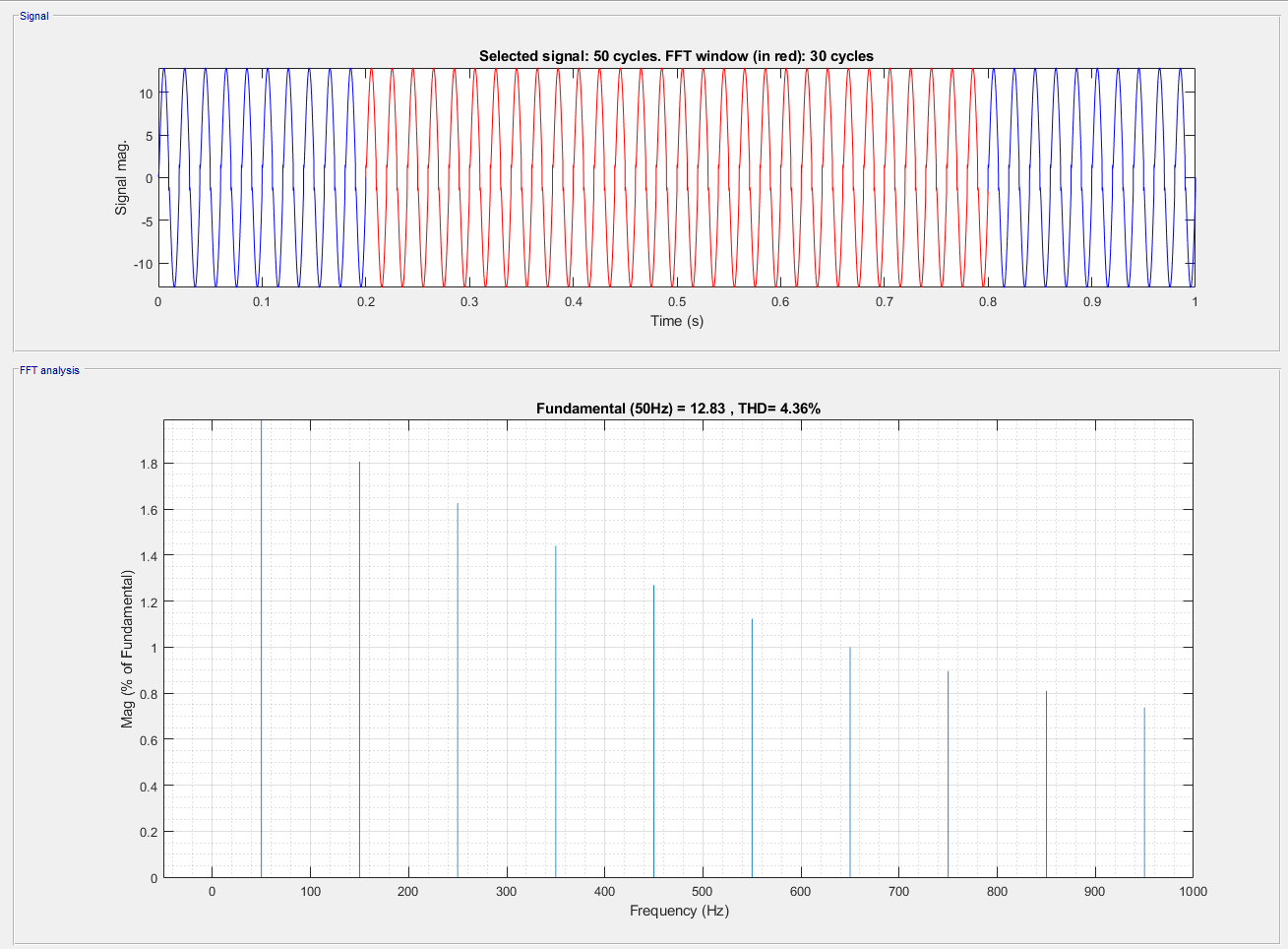
THD=0.3% with R=25 Ω



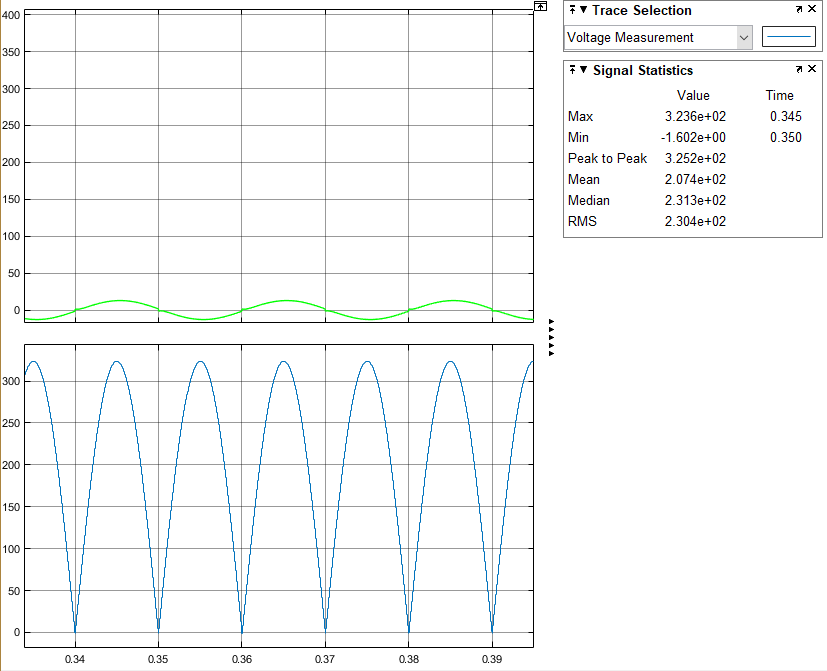
Average output voltage is 205.8V with R=25 Ω



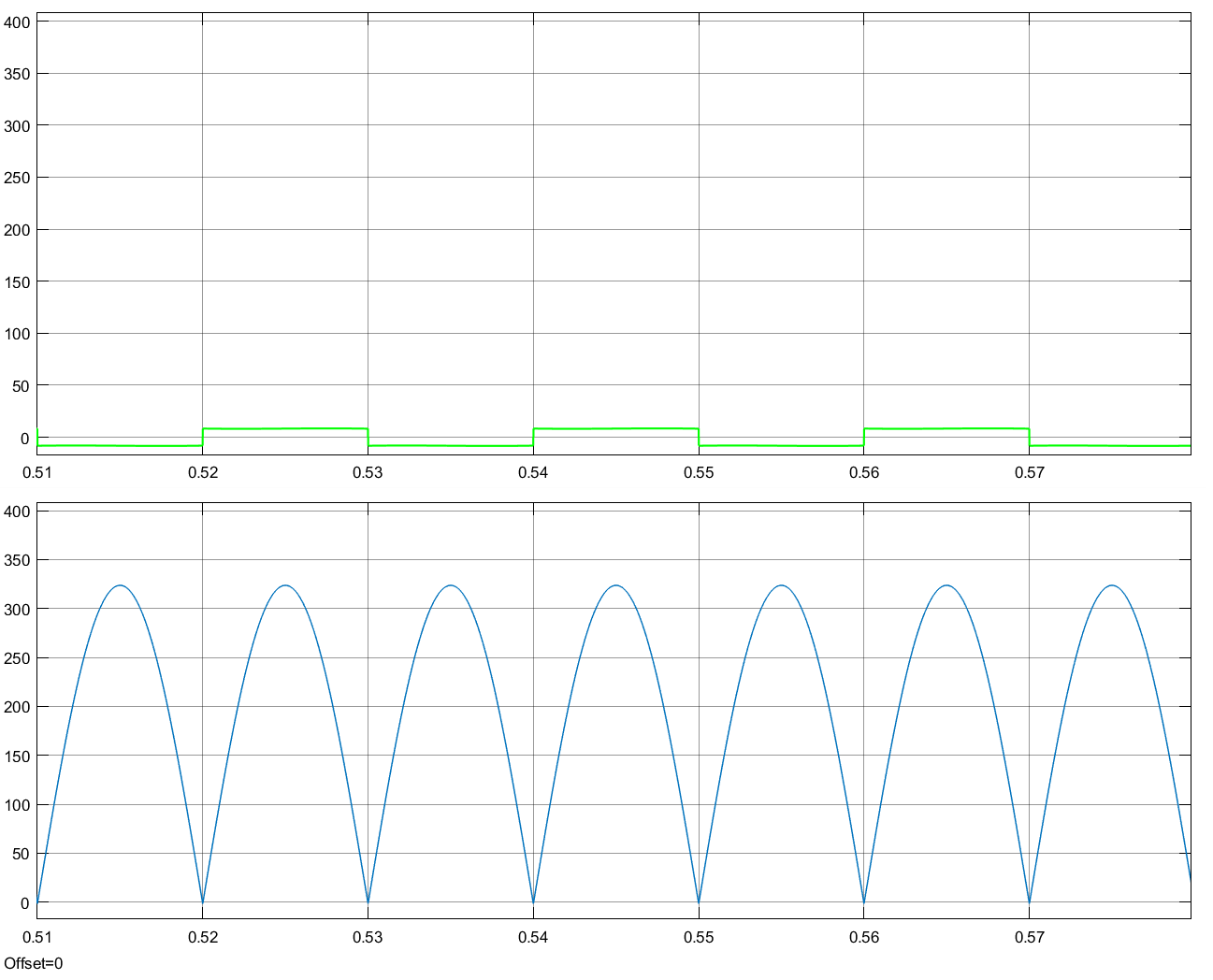
Output voltage waveform with R Load = 25 Ω L=10mH



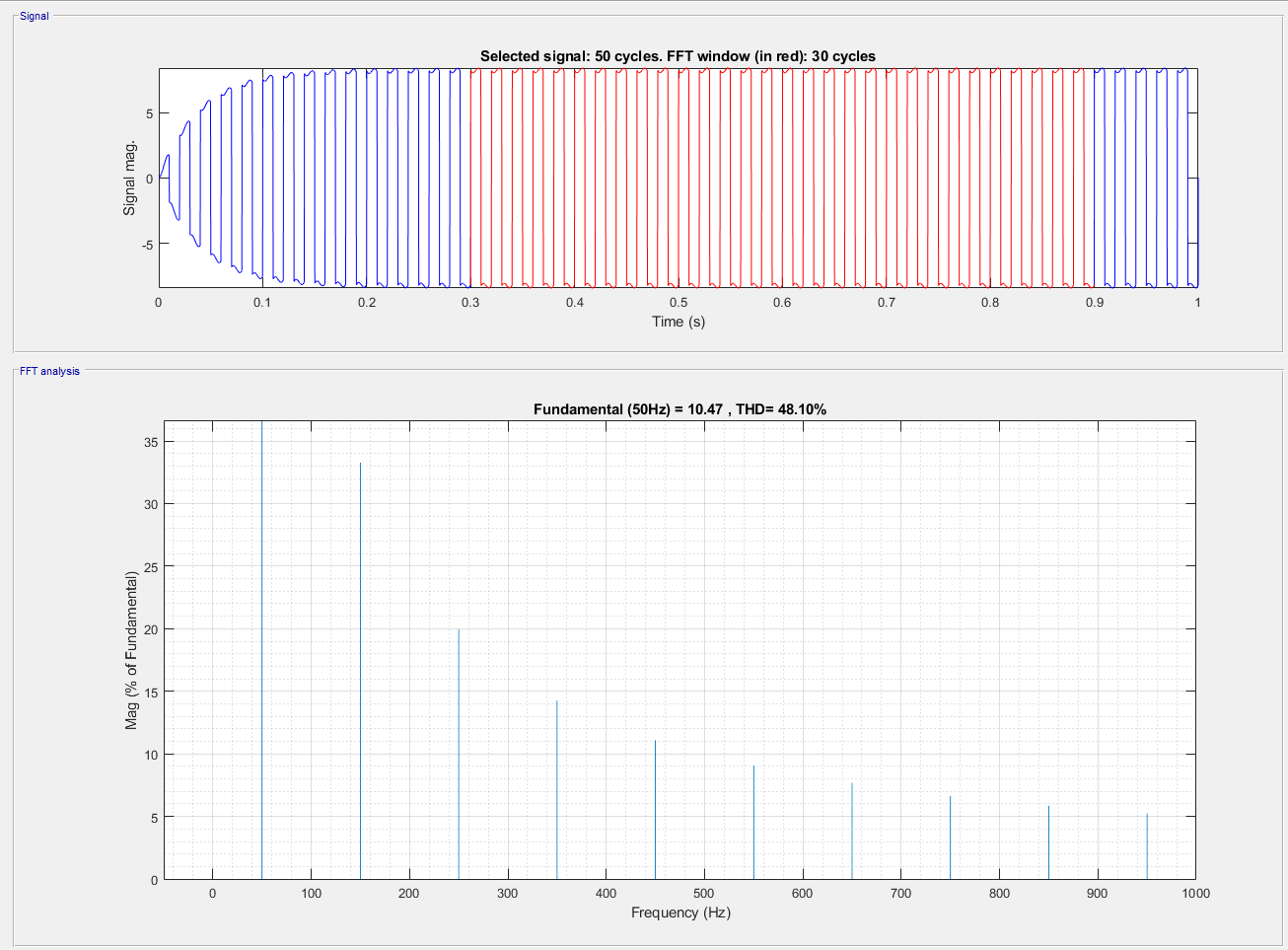
THD= 4.36% with RL Load R=25 Ω L=10mH



Average output voltage is 207.4V with RL Load R=25 Ω L=10mH



Output voltage waveform with R Load = 25 Ω L=1H



THD= 48.1% with RL Load R=25 Ω L=1H

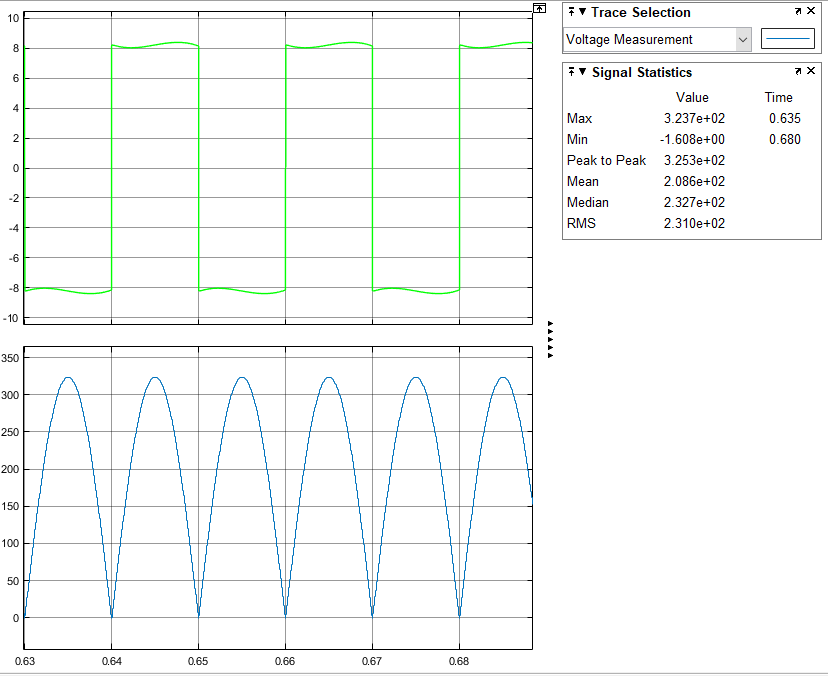
Selected diode to construct a single-phase rectifier is *MBR2H200SFT3G*

Datasheet provided in the following link

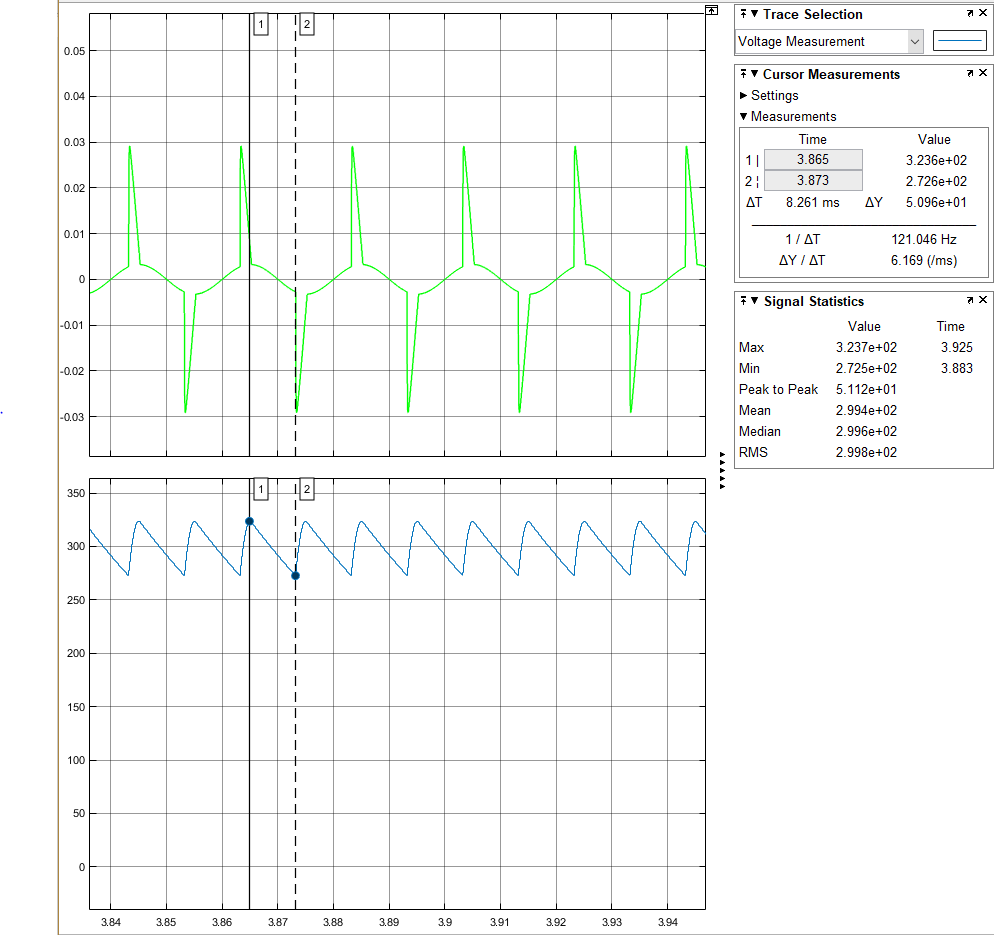
<https://www.onsemi.com/pub/Collateral/MBR2H200SF-D.PDF>

Selected single phase diode rectifier is *CD2320-B1400-ND* datasheet provided in the following link

<https://media.digikey.com/pdf/Data%20Sheets/Bourns%20PDFs/CD2320-B1.pdf>



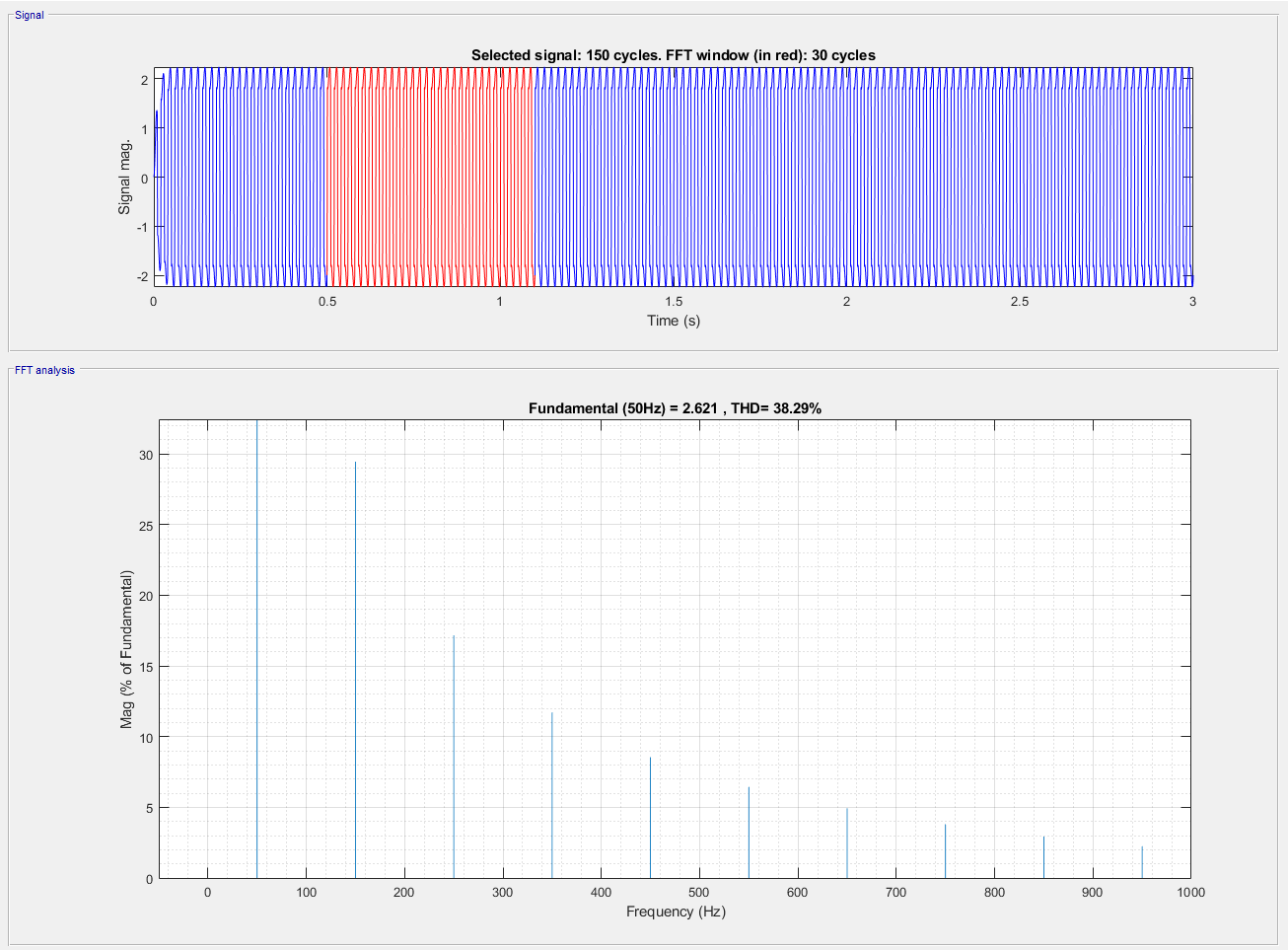
Average output voltage is 208.6V with RL Load R=25 Ω L=1H



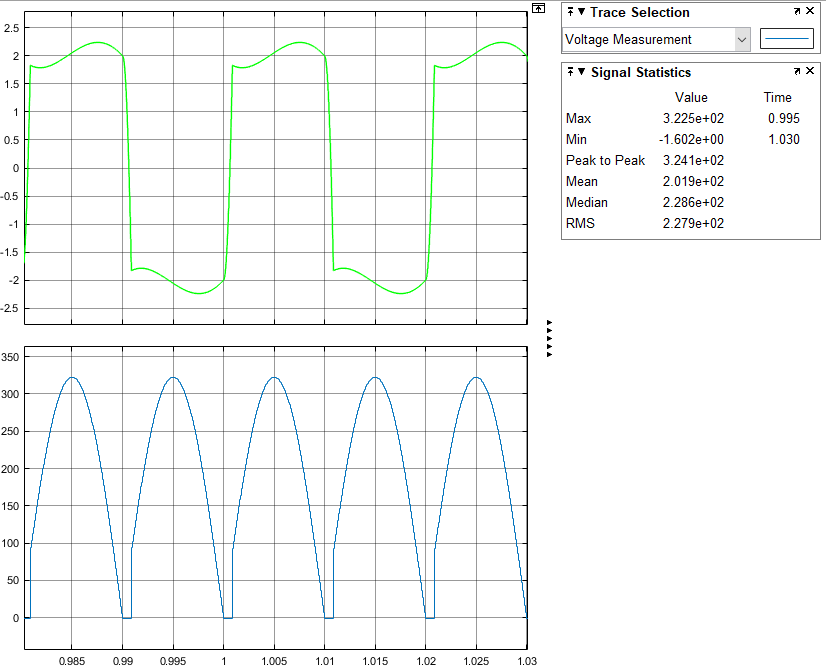
Output voltage waveform with RC load R=100 Ω C=0.47uF

<http://www.chemi-con.co.jp/cgi-bin/CAT_DB/SEARCH/cat_db_al.cgi?e=e&j=p&pdfname=smg> is a link to selected capacitor datasheet and manufacturer code is *ESMG351ELLR47MF11D*

2.4



THD= 38.29% with RL Load R=25 Ω L=1H and line inductance of 10mH



Average output voltage is 201.9V