Can I output two different arbitrary waveforms with an SDG?

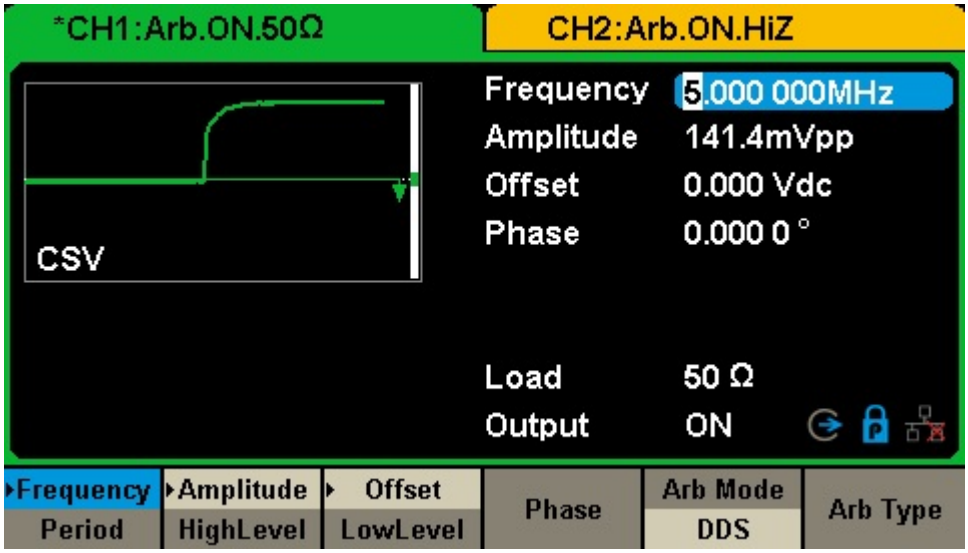
April 22, 2021

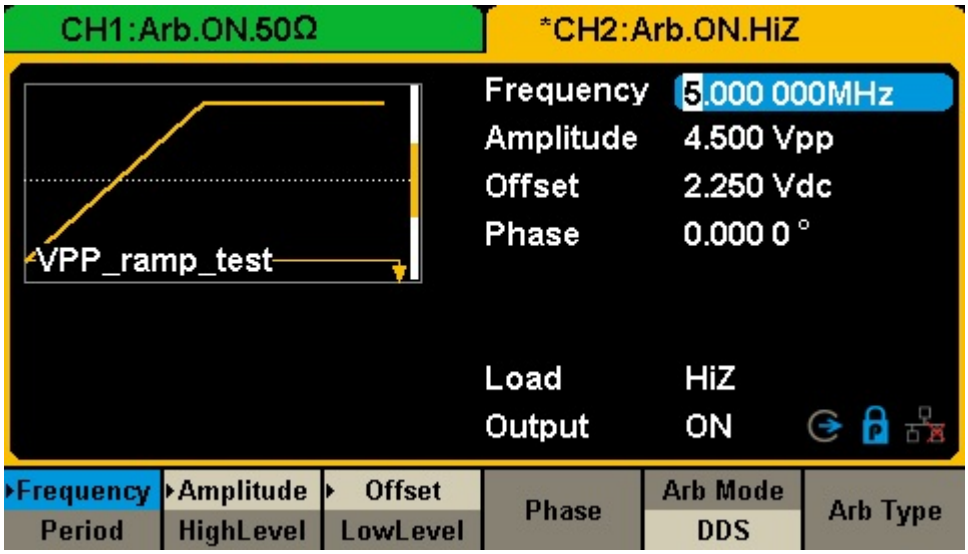
Yes.

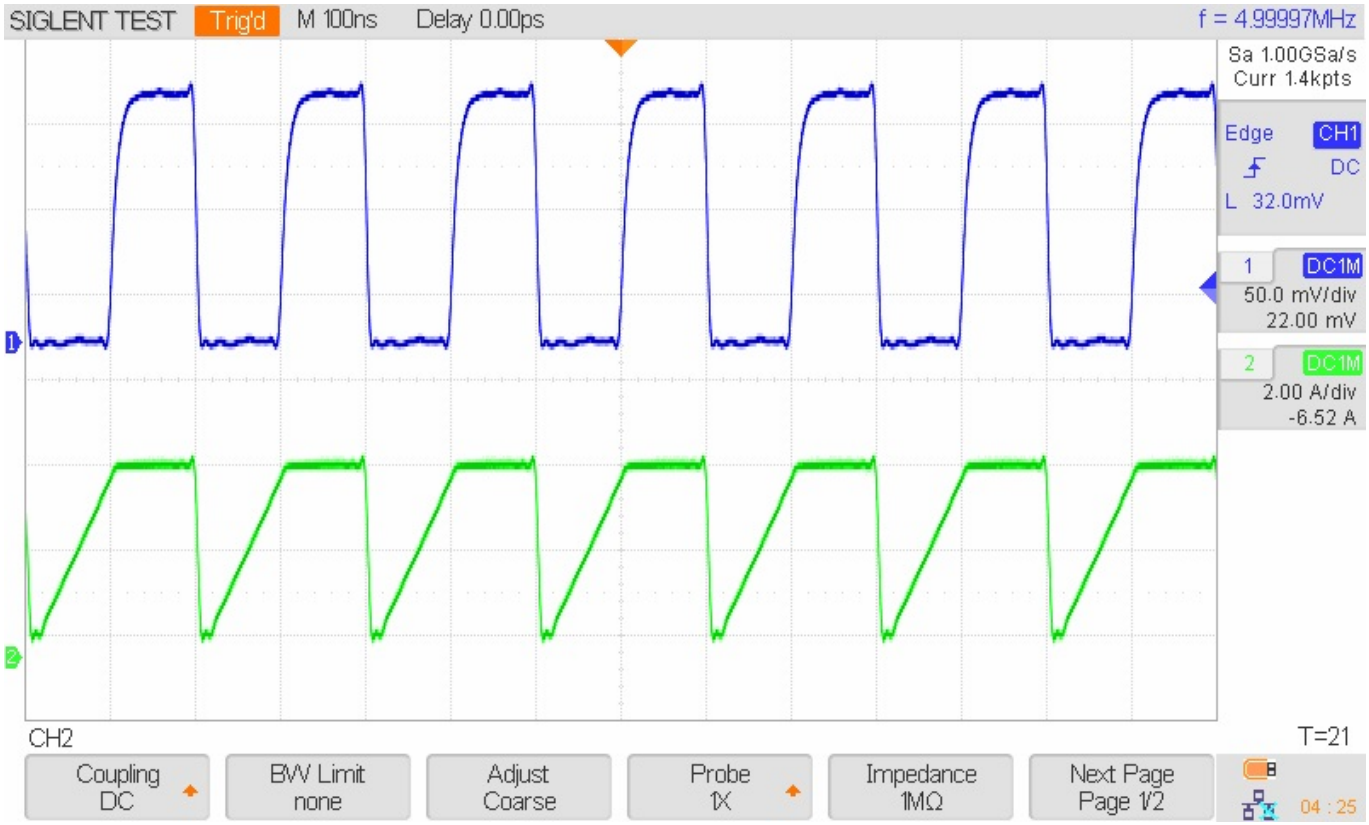
Two-channel SDGs (SDG1000X, 2000X, and 6000X) can output two separate arbitrary waveforms.

1. Load the waveforms into the instrument
2. Select the channel you wish to load to and then press Save/Recall
3. Select the arbitrary waveform you wish to output for that channel
4. Repeat steps 2-3 for the other channel
5. Enable outputs

Here is an example of an SDG1032X with two separate arbs:






SIGLENT TEST
Trig'd
M 100ns
Delay 0.00ps
f = 4.99997MHz
Sa 1.00GSa/s
Curr 1.4kpts
Edge
CH1
DC
L 32.0mV
1
DC1M
50.0 mV/div
22.00 mV
2
DC1M
2.00 A/div
-6.52 A
CH2
T=21
Coupling
DC
BW Limit
none
Adjust
Coarse
Probe
1X
Impedance
1MΩ
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