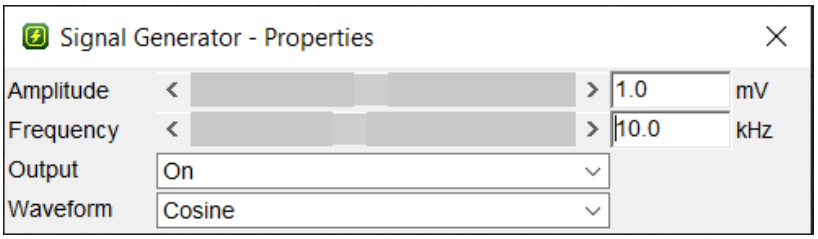
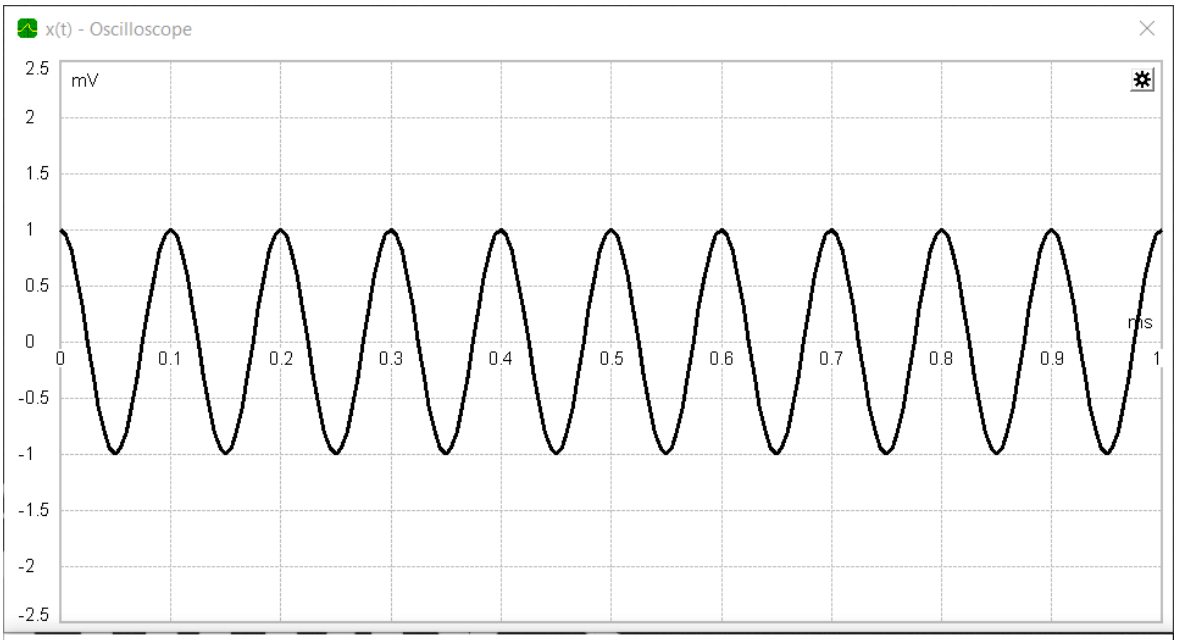
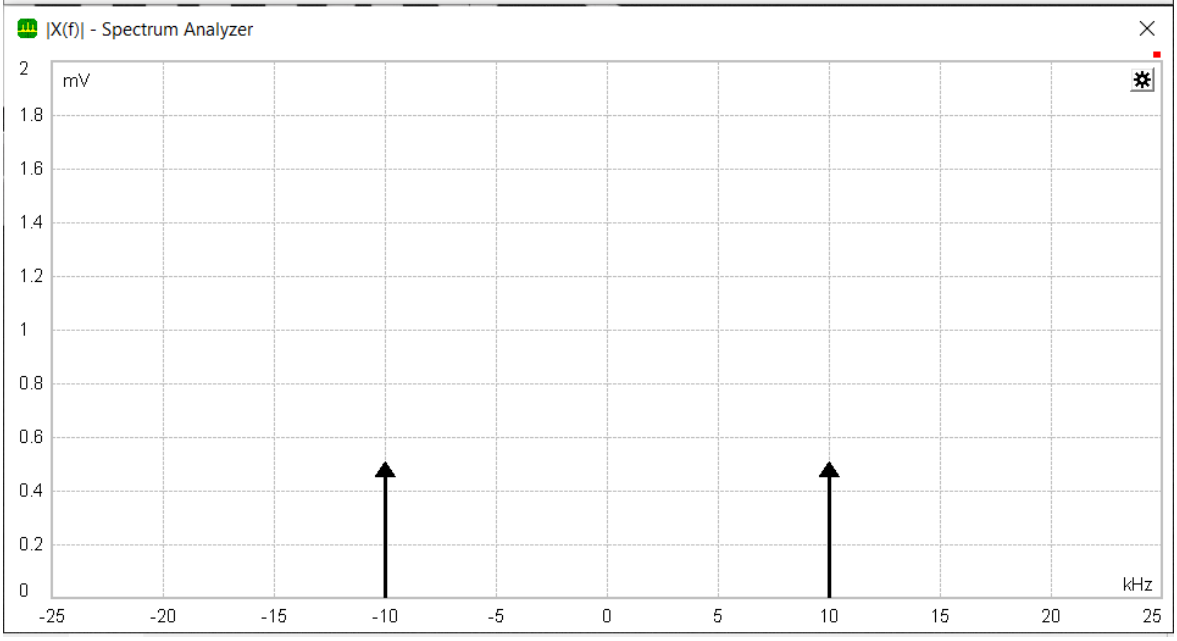
1.) COSINE WAVE

Sr. No.	AMPLITUDE (mV)	FREQUENCY (kHz)
1	1	10
2	1	20
3	2	10
4	2	20
5	2	15

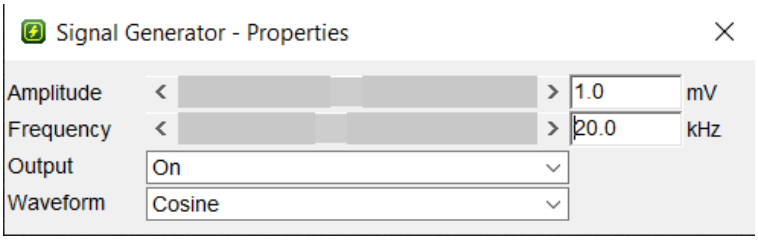
Case 1: Amplitude: 1 mV || Frequency: 10 kHz

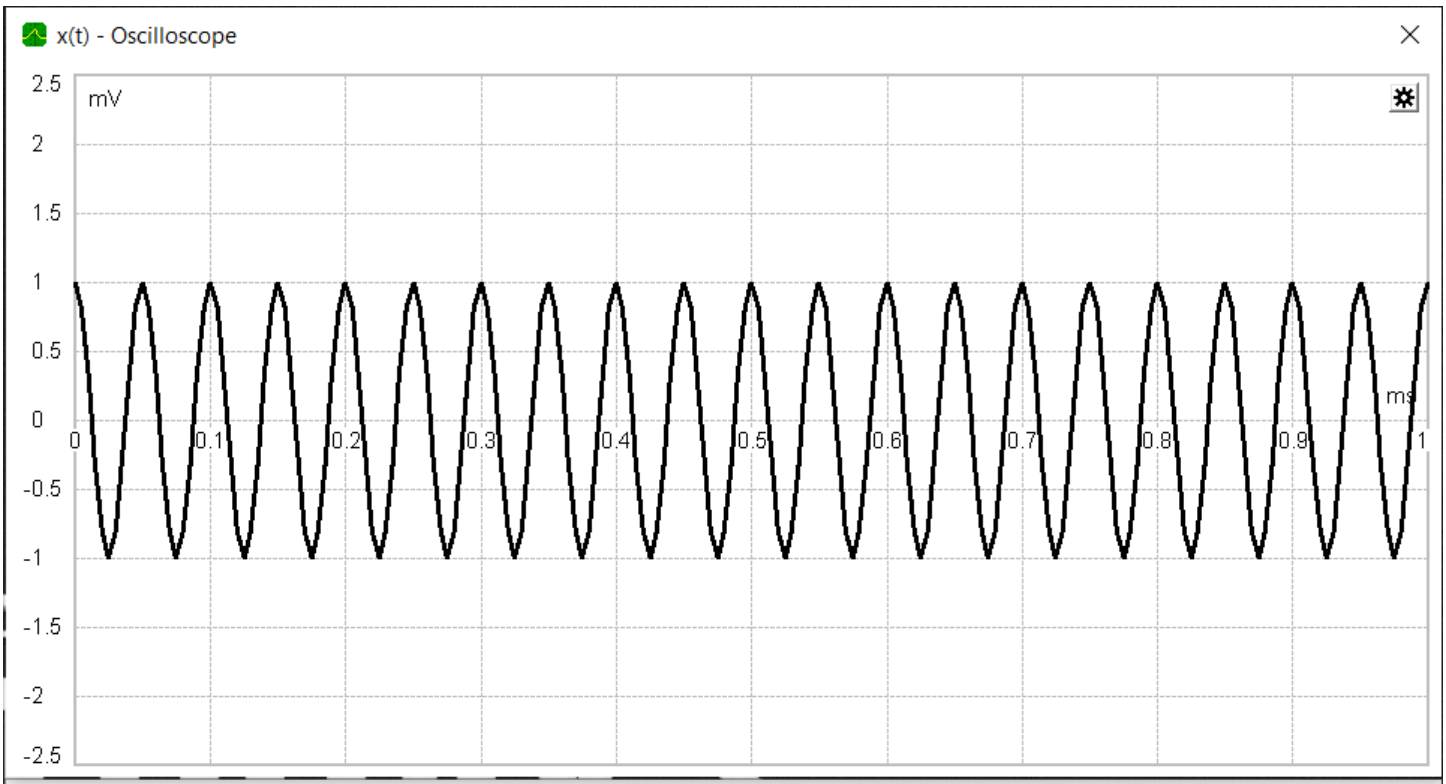


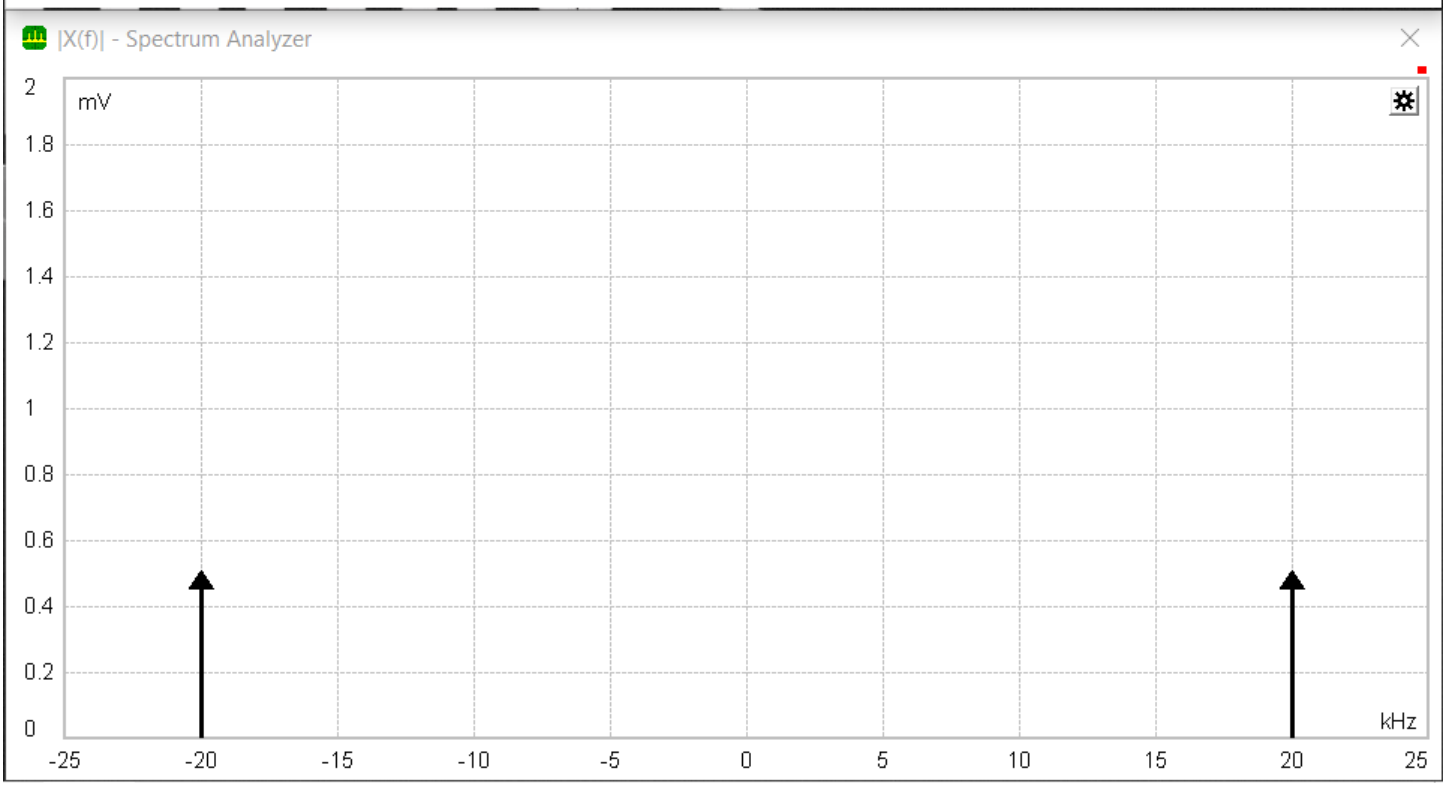




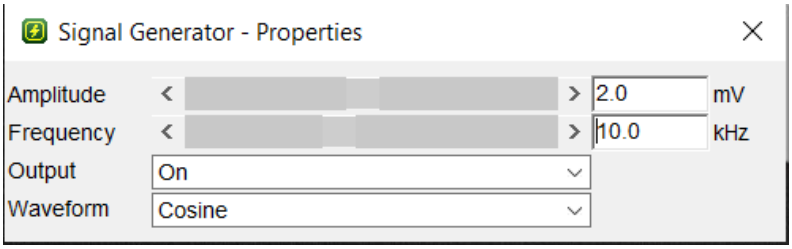
Case 2: Amplitude: 1 mV || Frequency: 20 kHz

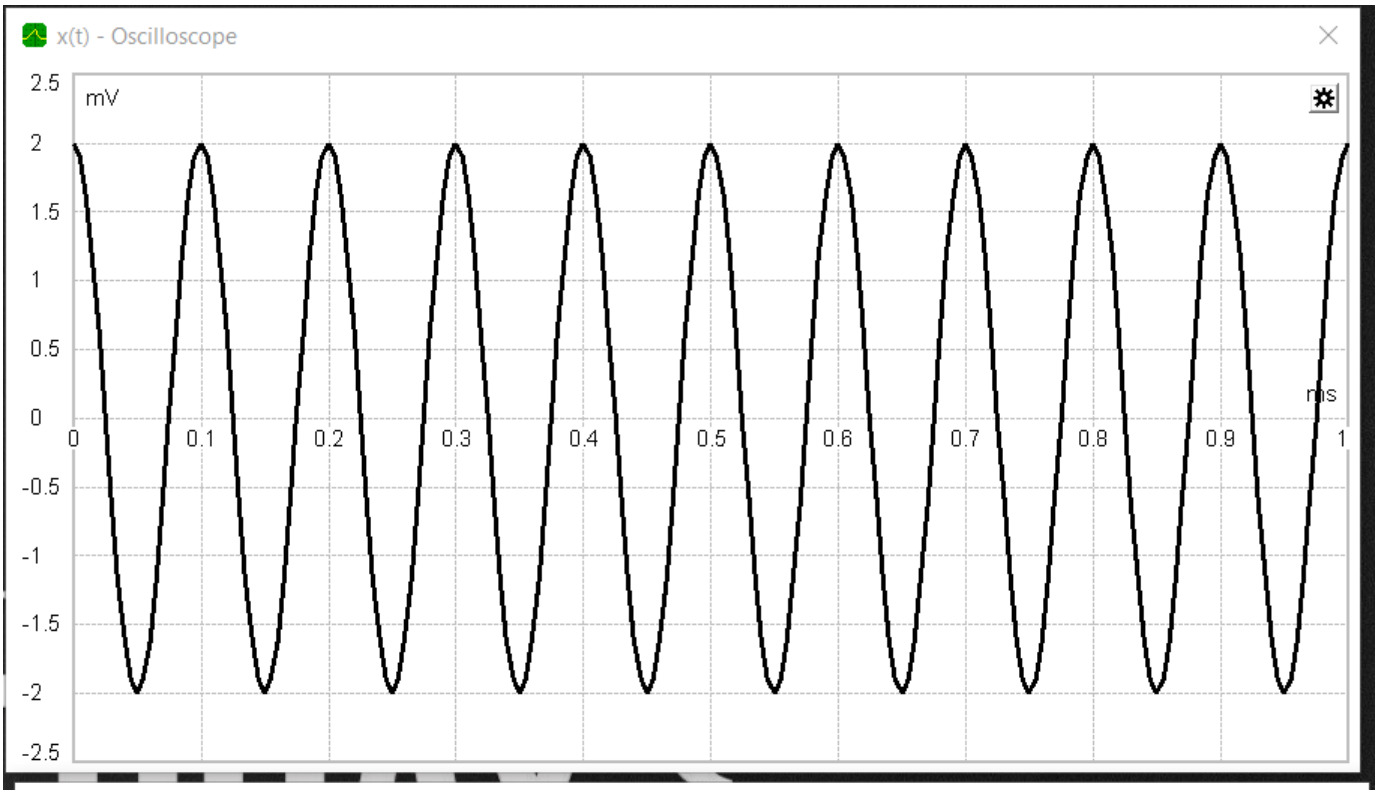


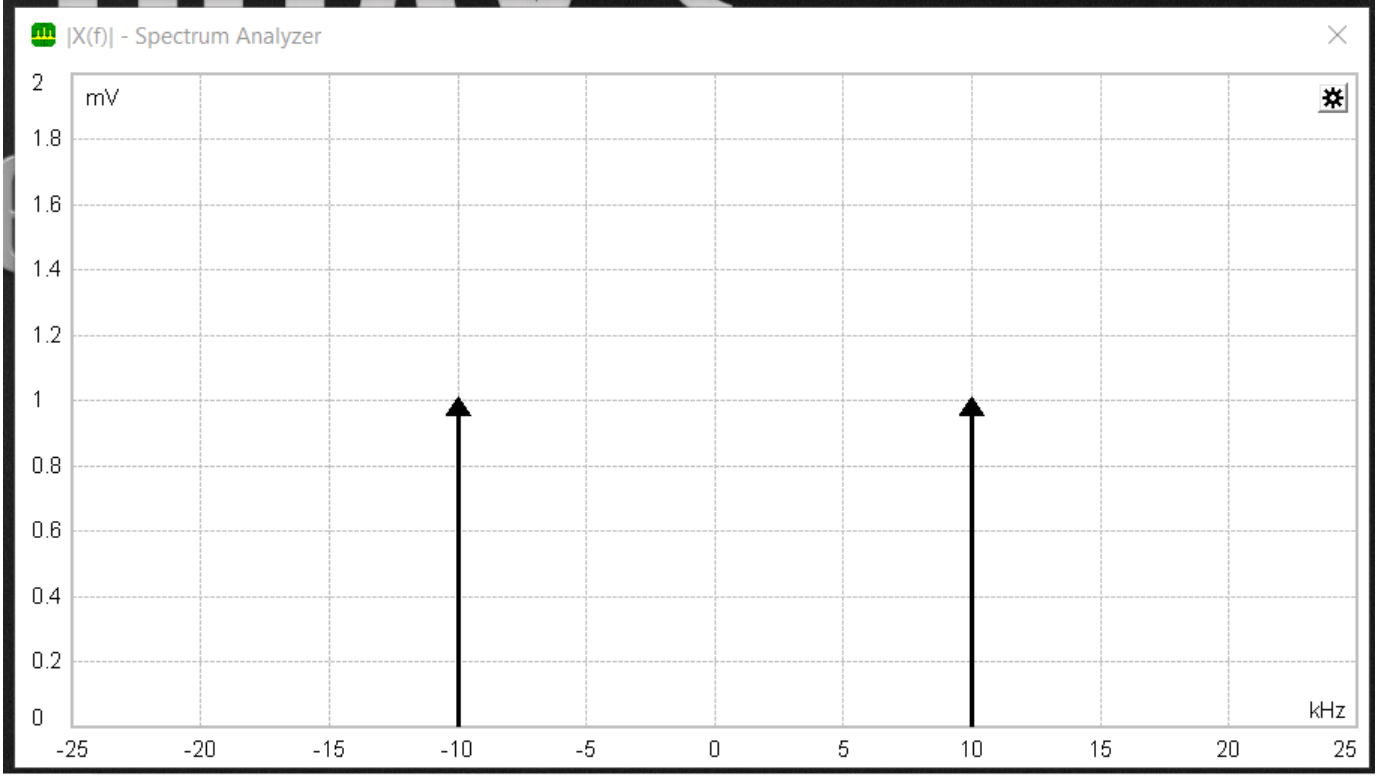




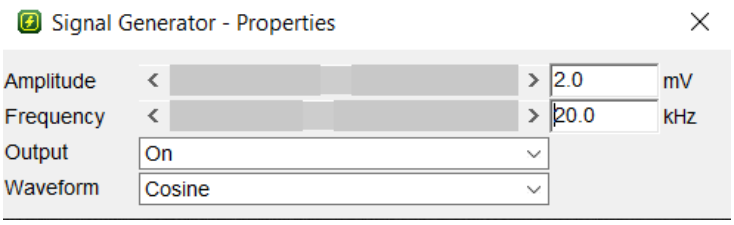
Case 3: Amplitude: 2 mV || Frequency: 10 kHz

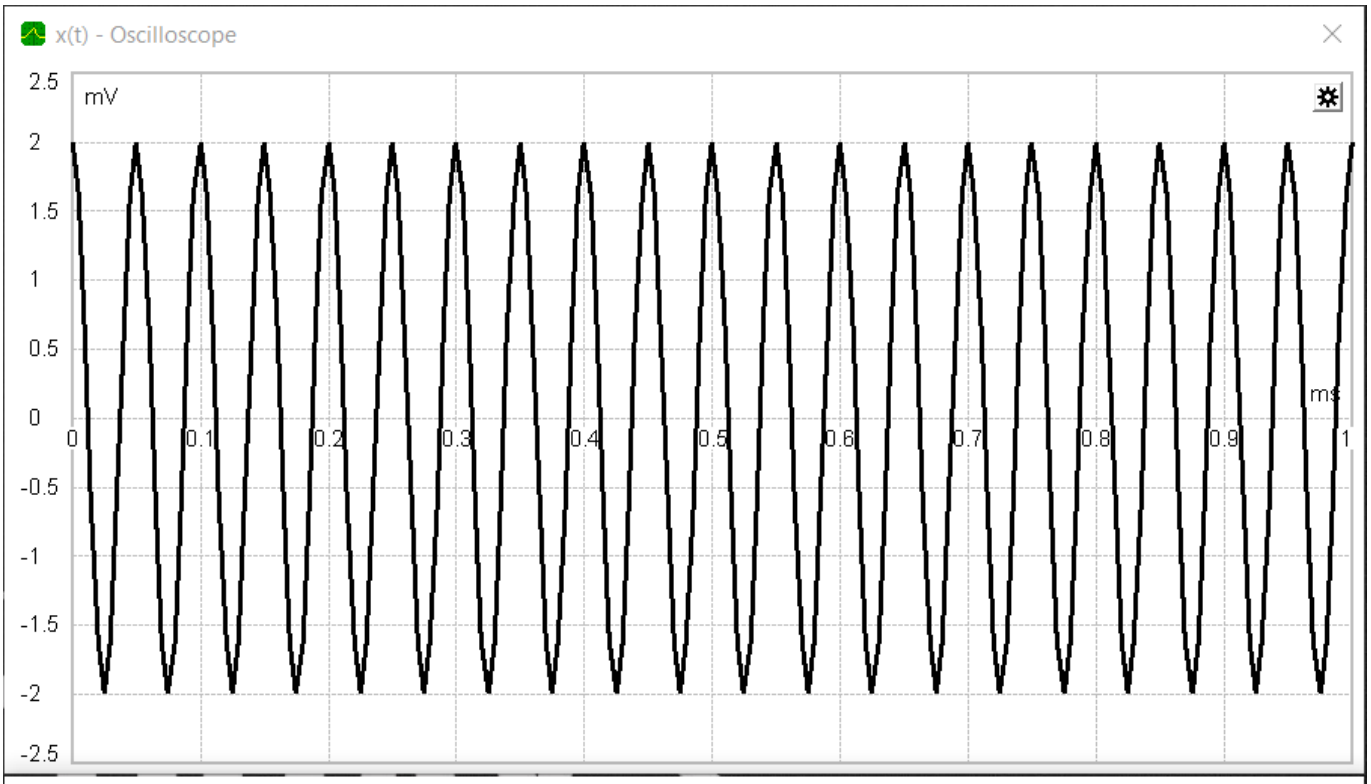


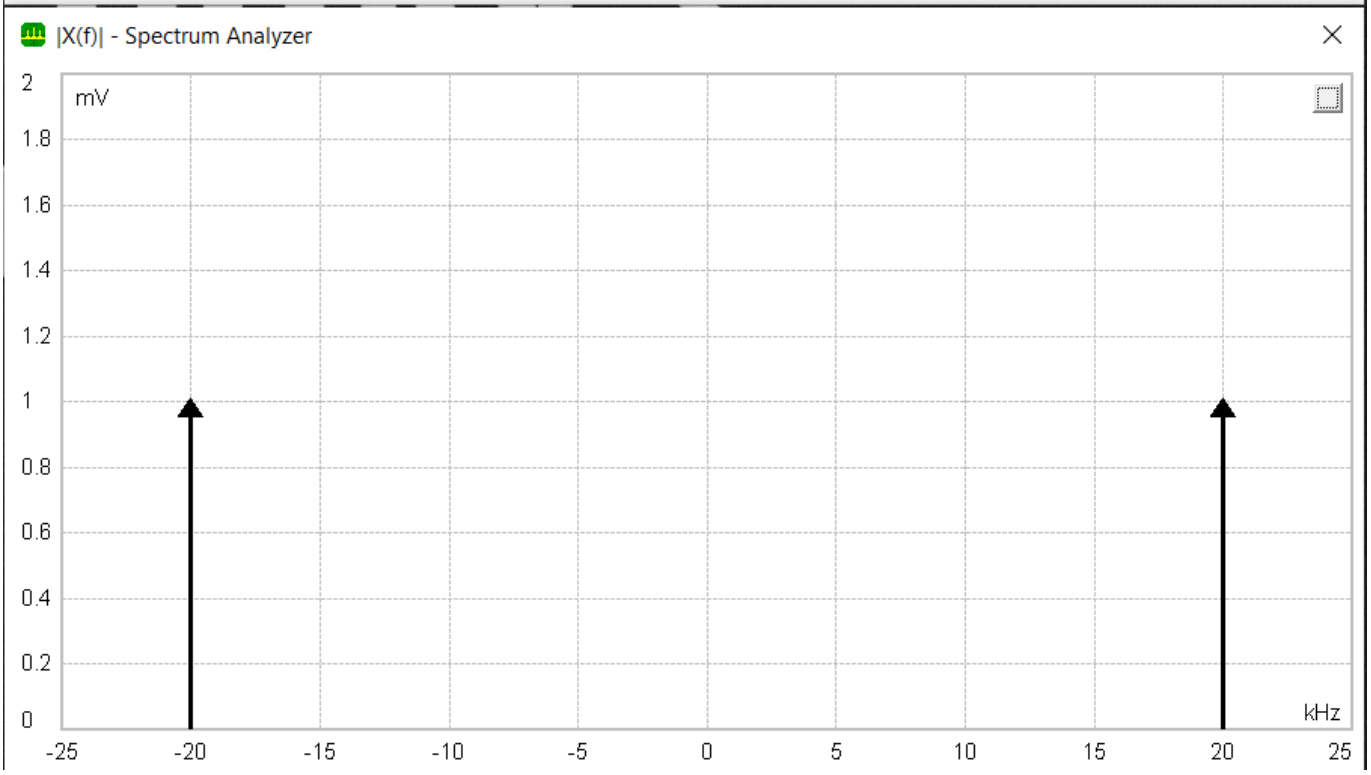




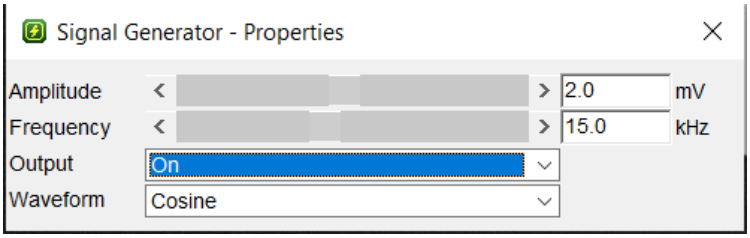
Case 4: Amplitude: 2 mV || Frequency: 20 kHz

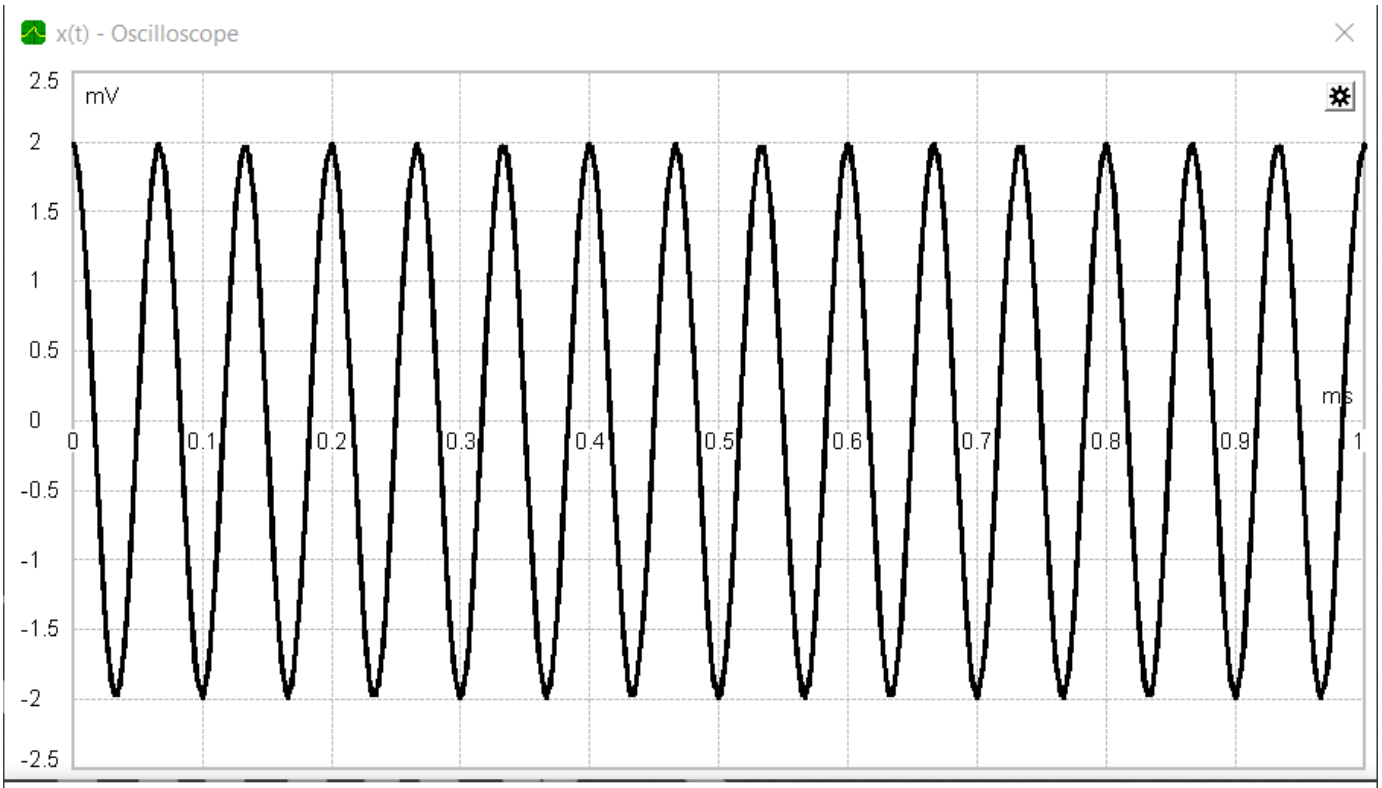


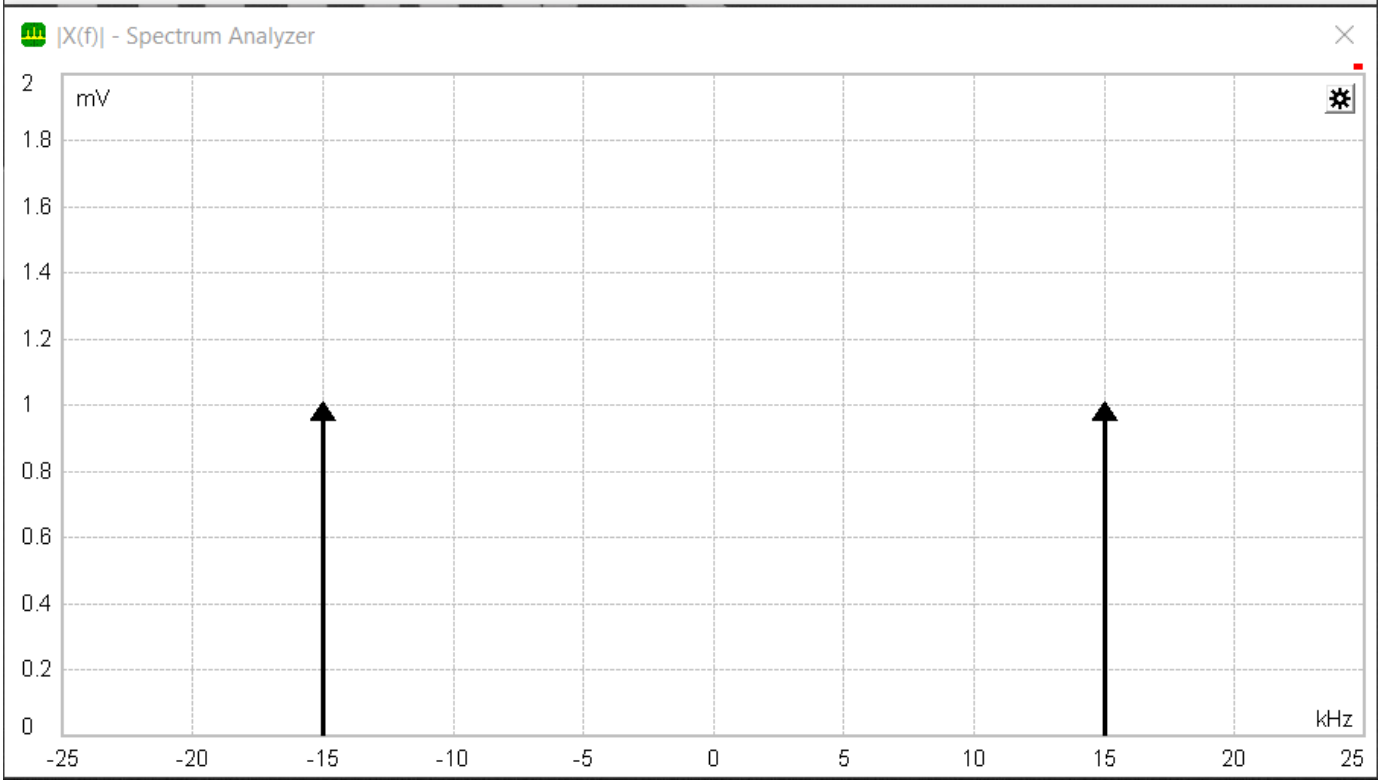




Case 5: Amplitude: 2 mV || Frequency: 15 kHz



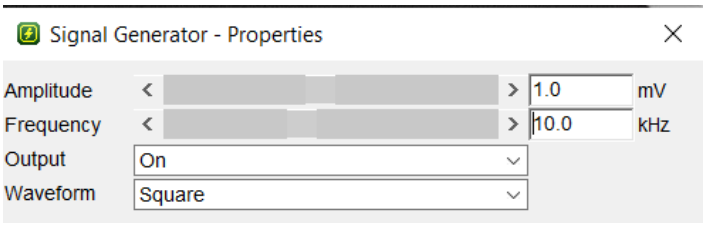


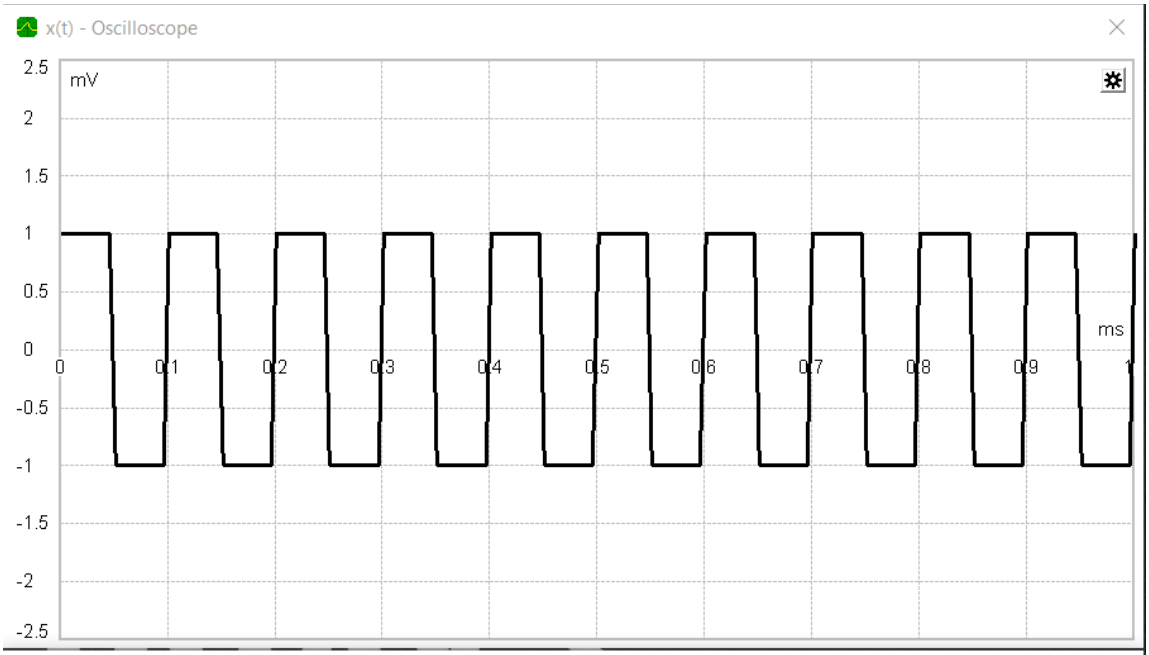


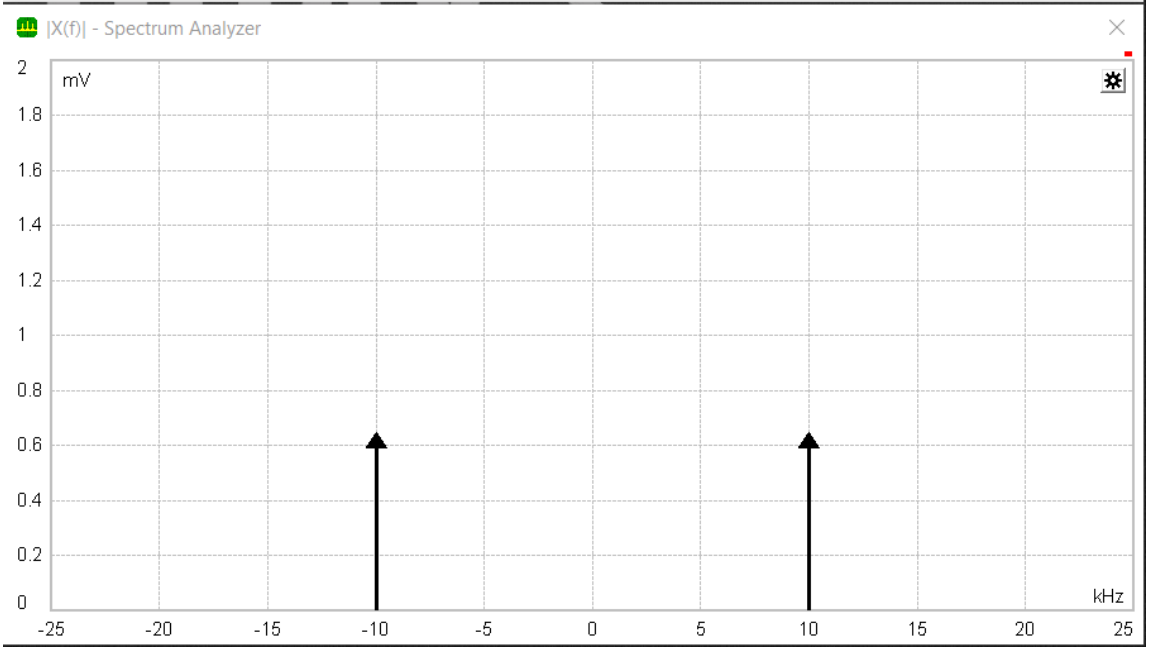
1.) SQUARE WAVE

Sr. No.	AMPLITUDE (mV)	FREQUENCY (kHz)
1	1	10
2	1	20
3	2	10
4	2	20
5	2	15

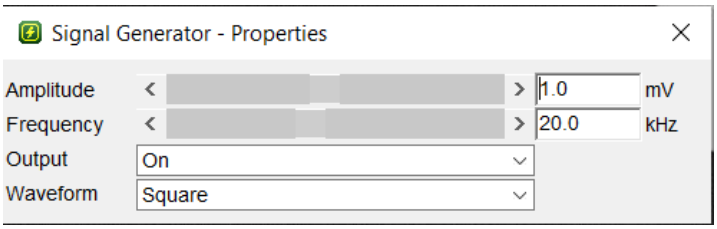
Case 1: Amplitude: 1 mV || Frequency: 10 kHz

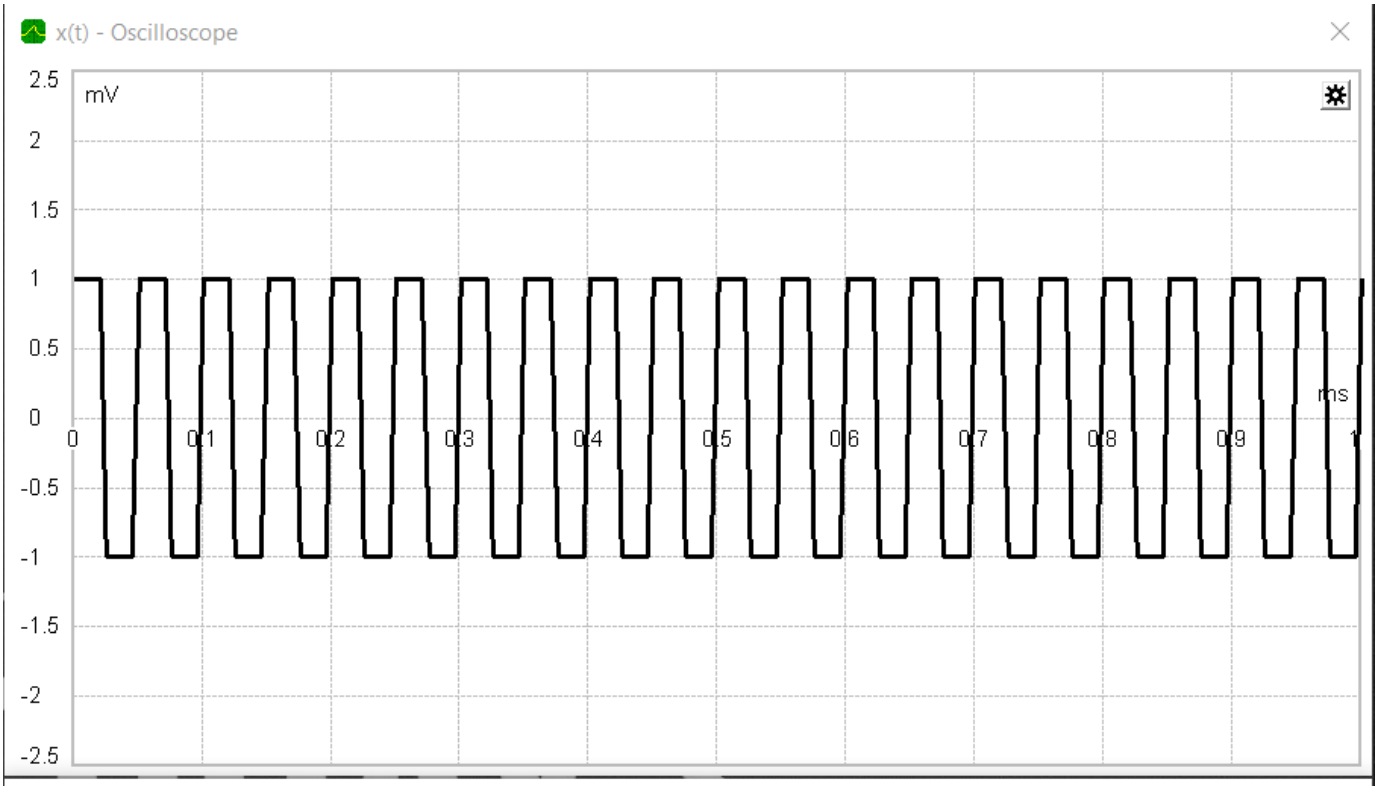


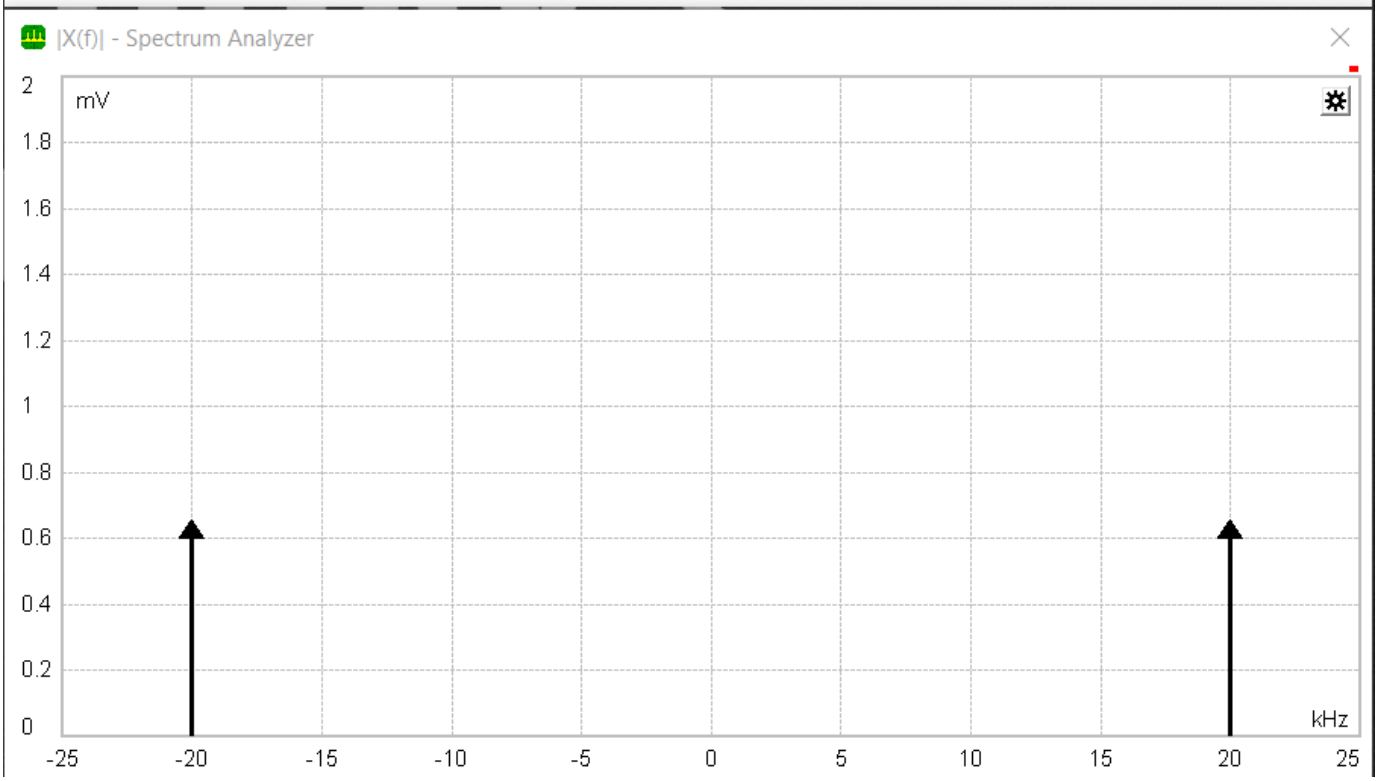




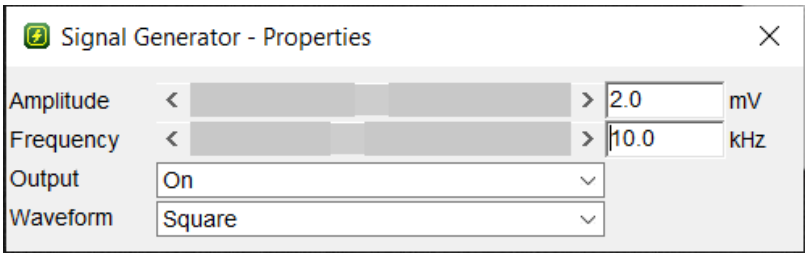
Case 2: Amplitude: 1 mV || Frequency: 20 kHz

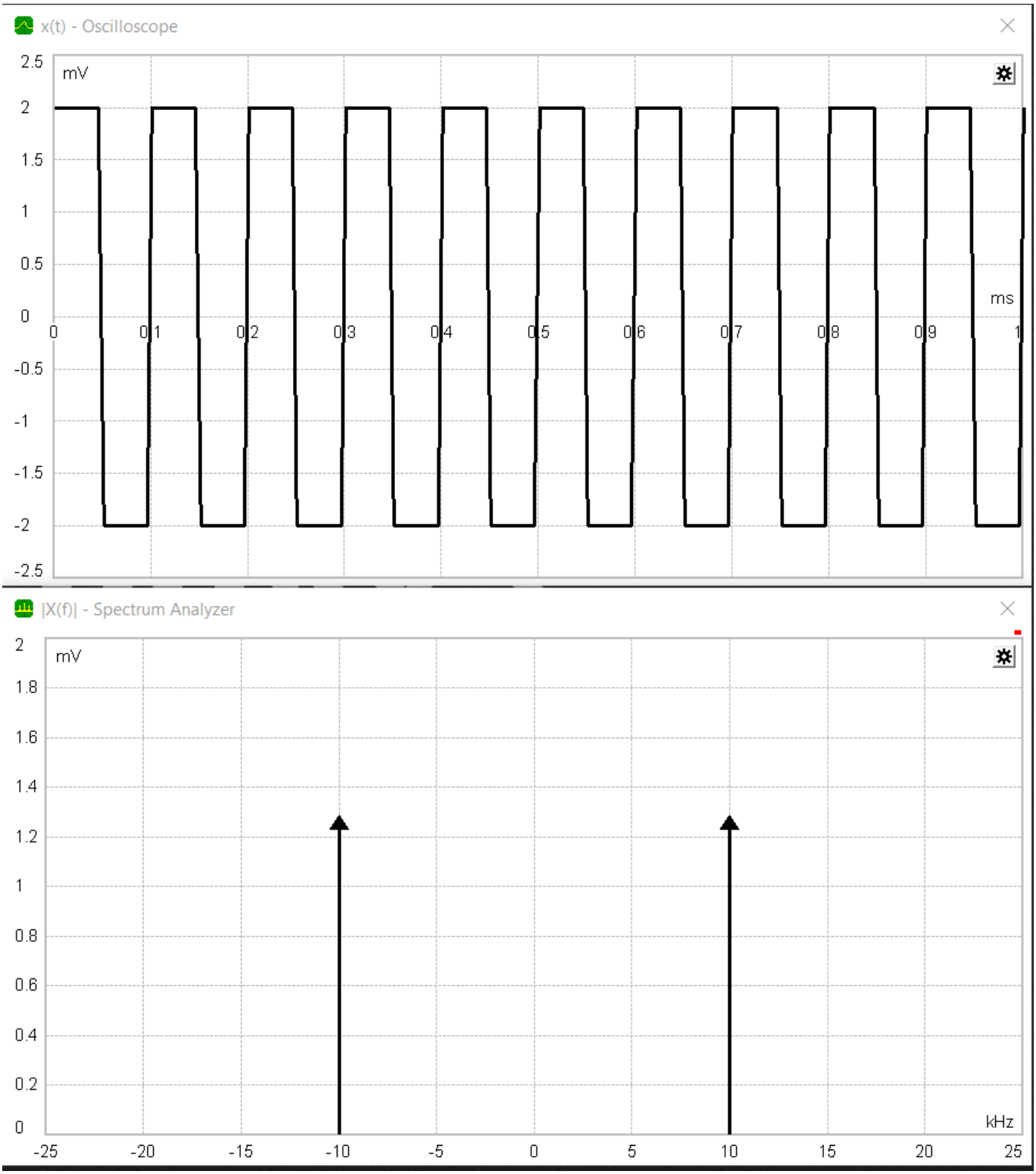




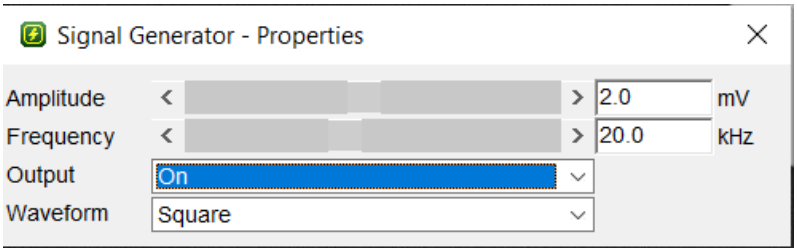


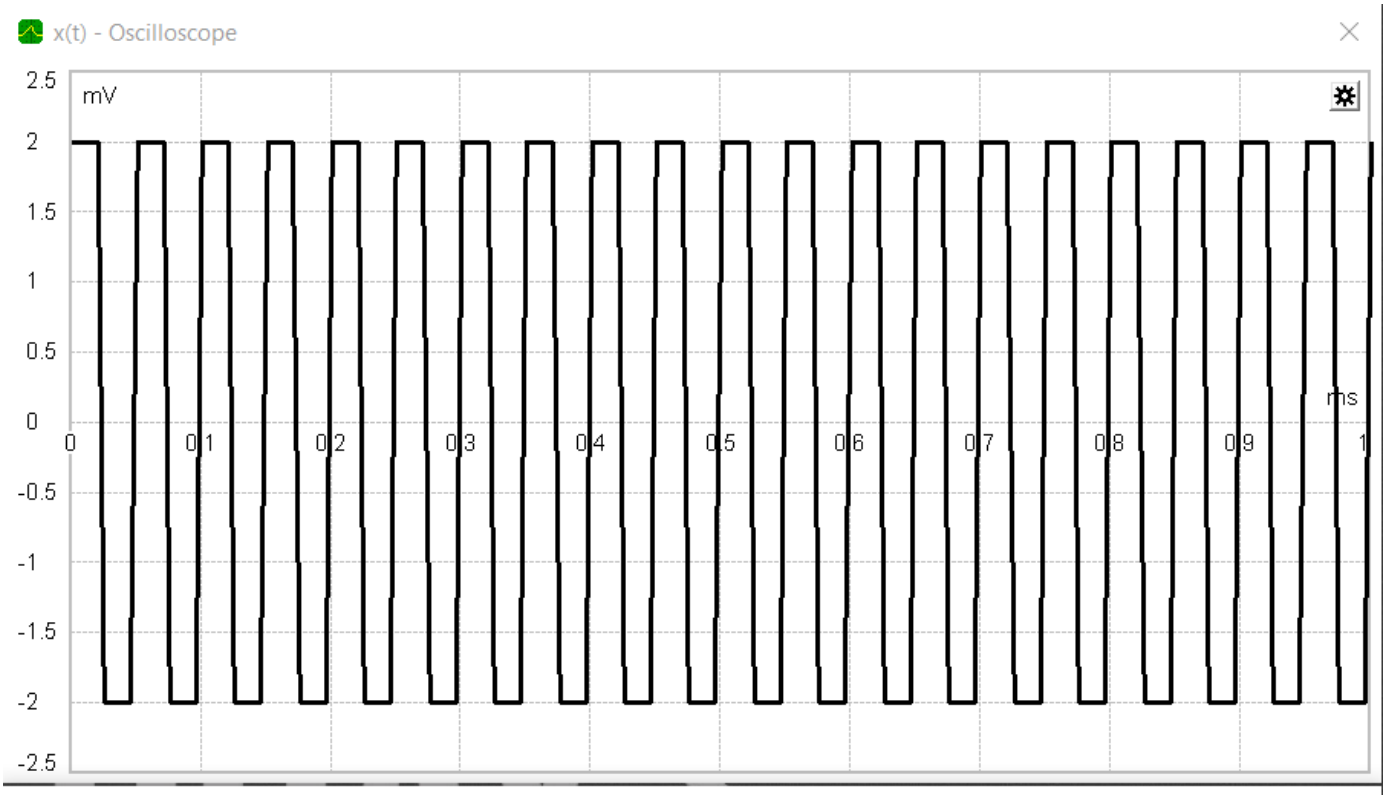
Case 3: Amplitude: 2 mV || Frequency: 10 kHz

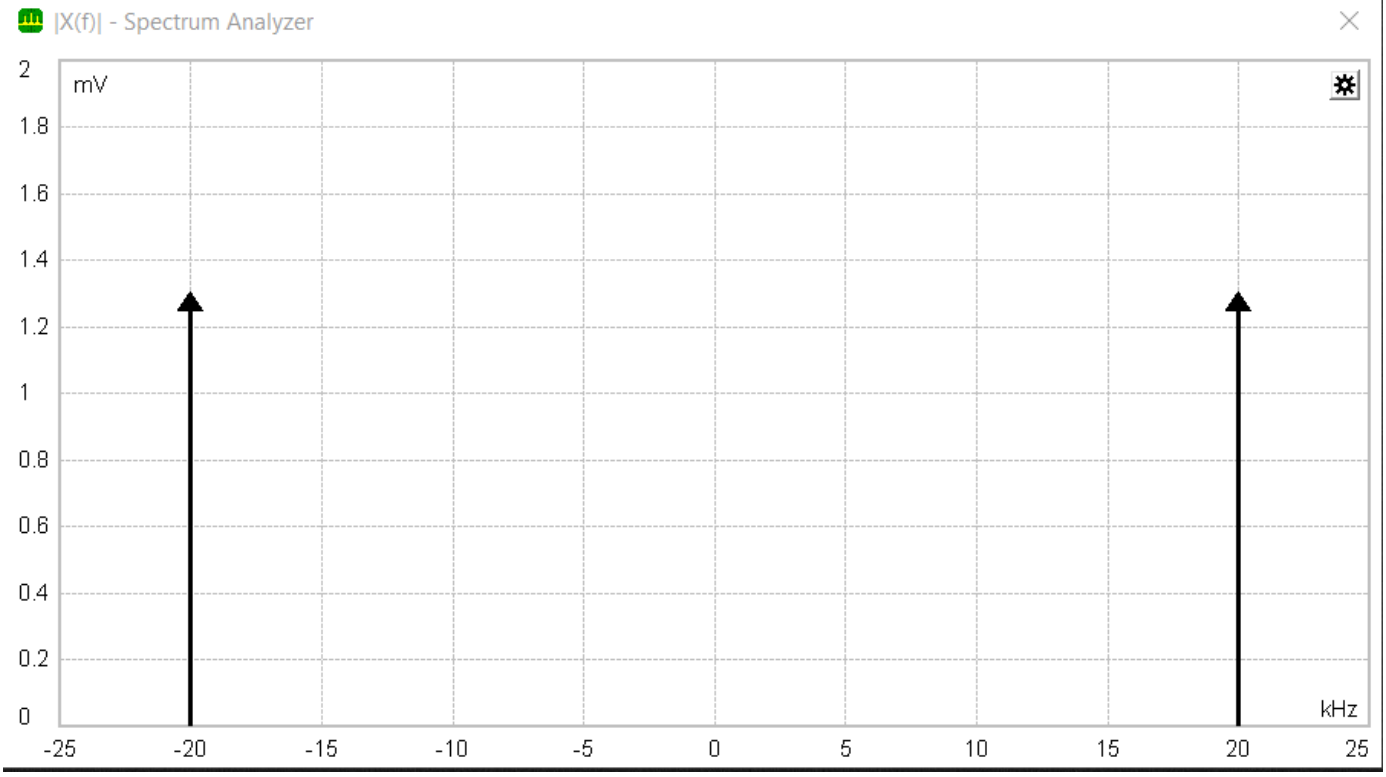




Case 4: Amplitude: 2 mV || Frequency: 20 kHz


Signal Generator - Properties
Amplitude
2.0
mV
Frequency
20.0
kHz
Output
On
Waveform
Square


x(t) - Oscilloscope
mV
ms
2.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1


|X(f)| - Spectrum Analyzer
mV
kHz
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-25
-20
-15
-10
-5
0
5
10
15
20
25

Case 5: Amplitude: 2 mV || Frequency: 15 kHz