Simulink models on Sampling

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EE160: Principles of Communication Systems

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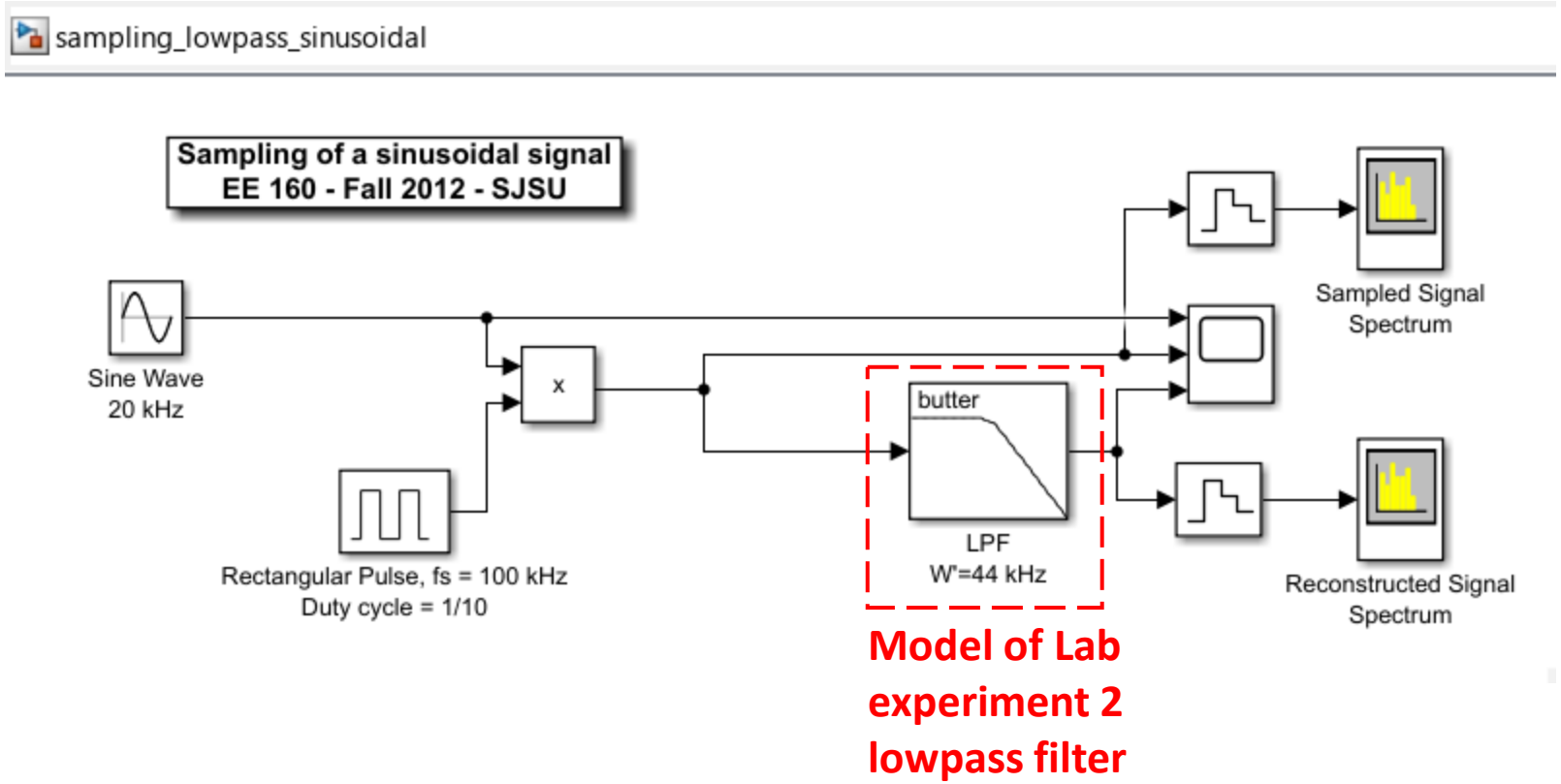
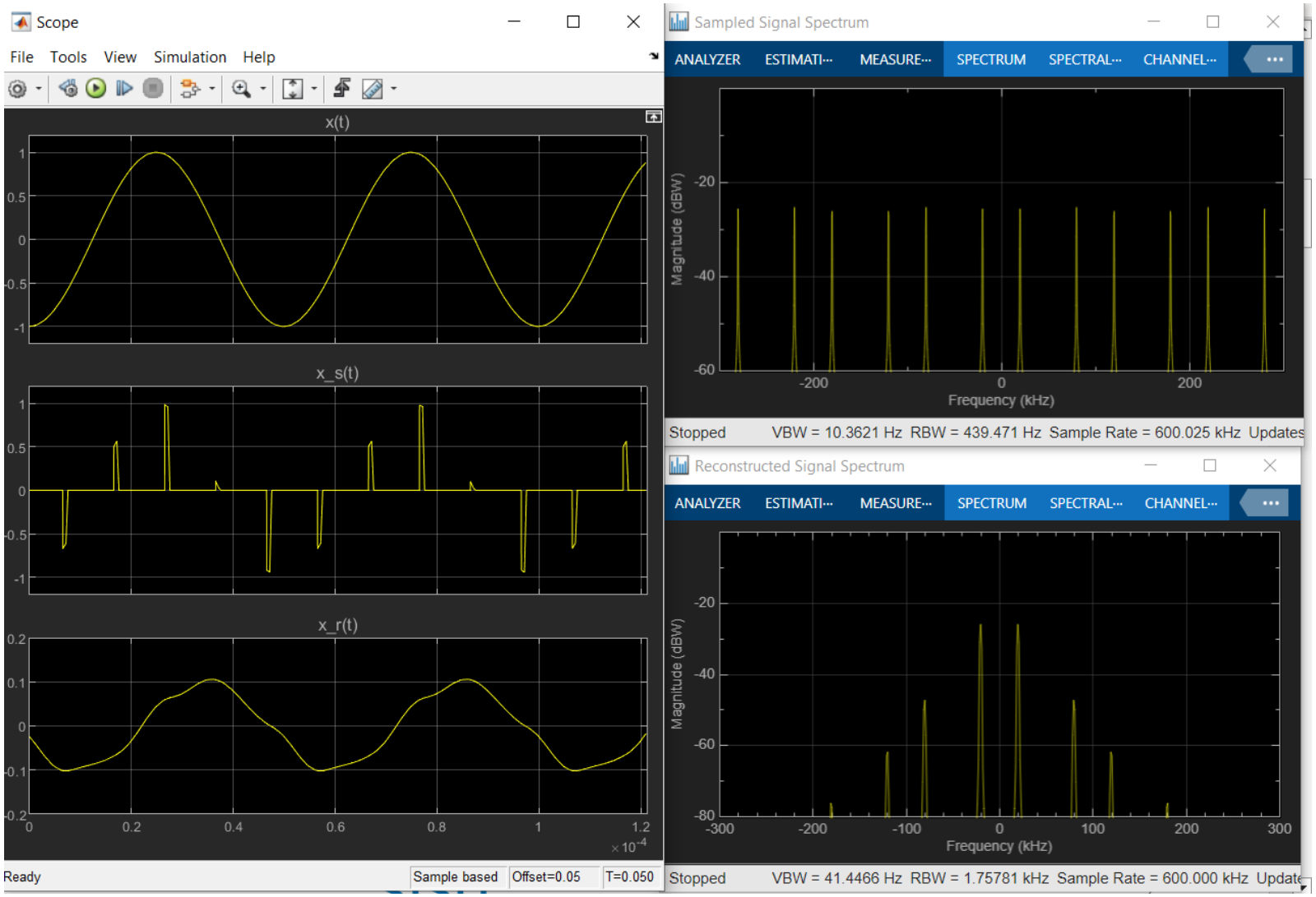
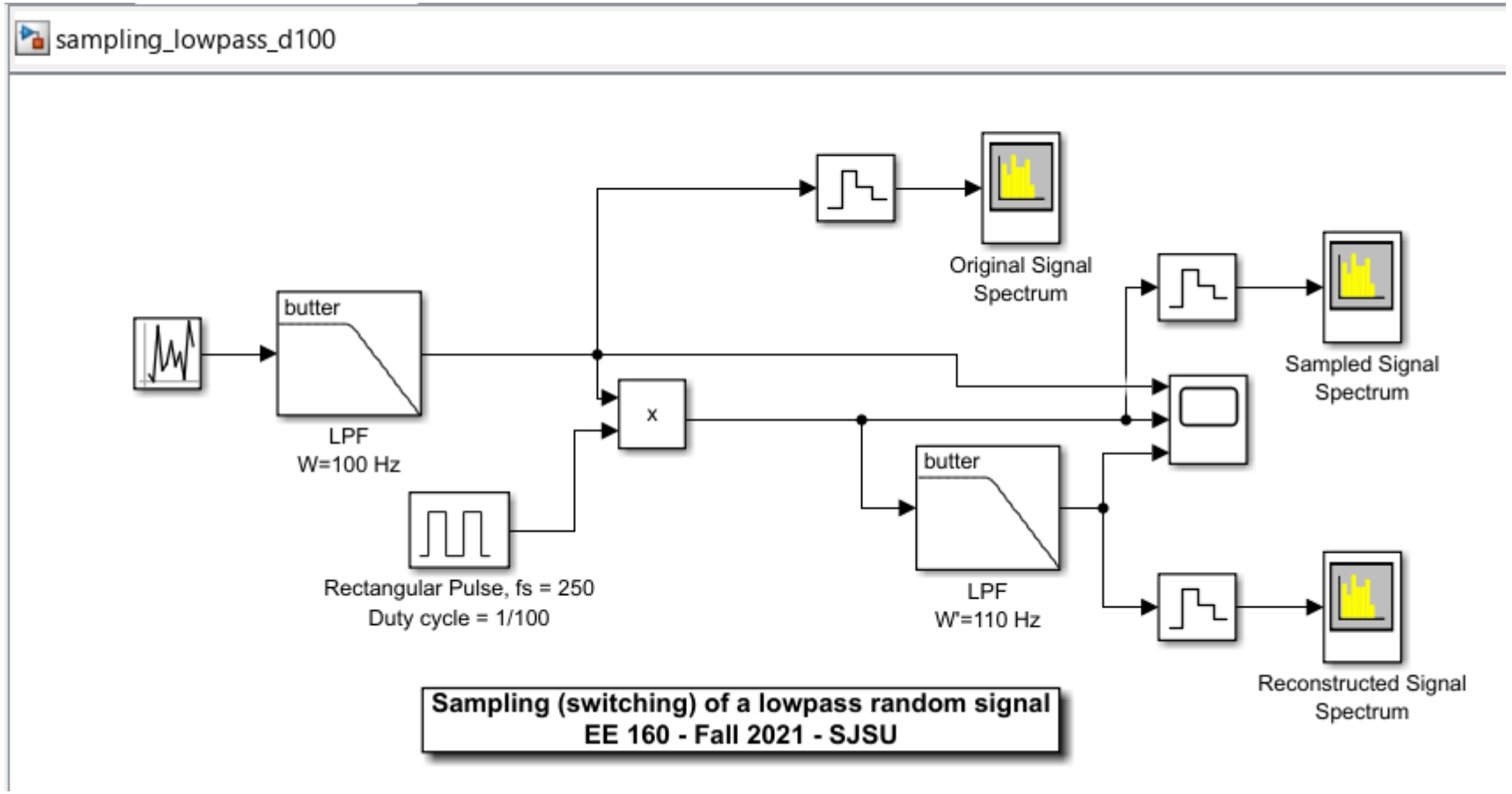
Practical sampling of a sinusoidal signal



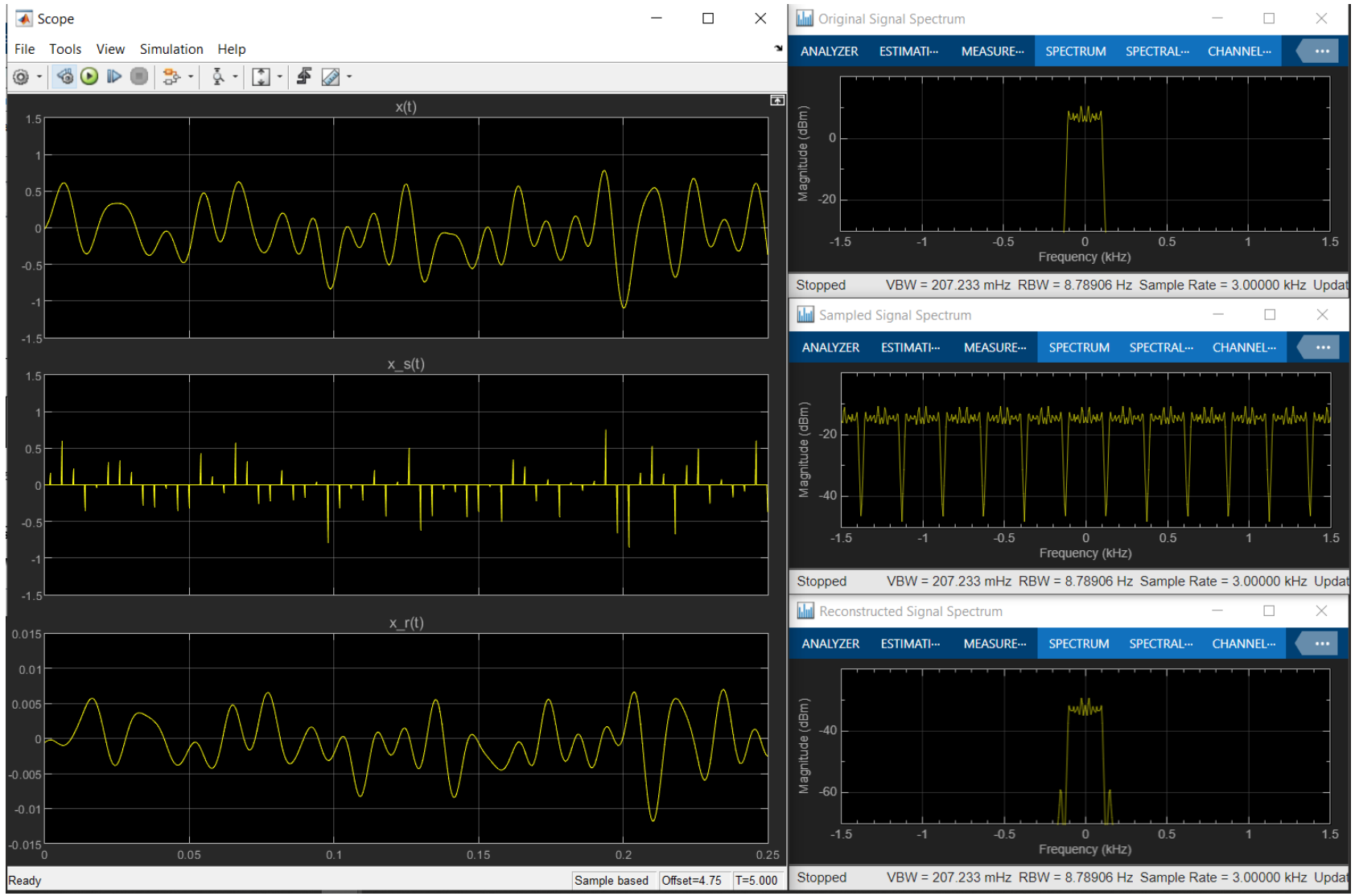
Practical sampling of a sinusoidal signal (cont.)



Practical sampling of a lowpass signal



Practical sampling of a lowpass signal (cont.)



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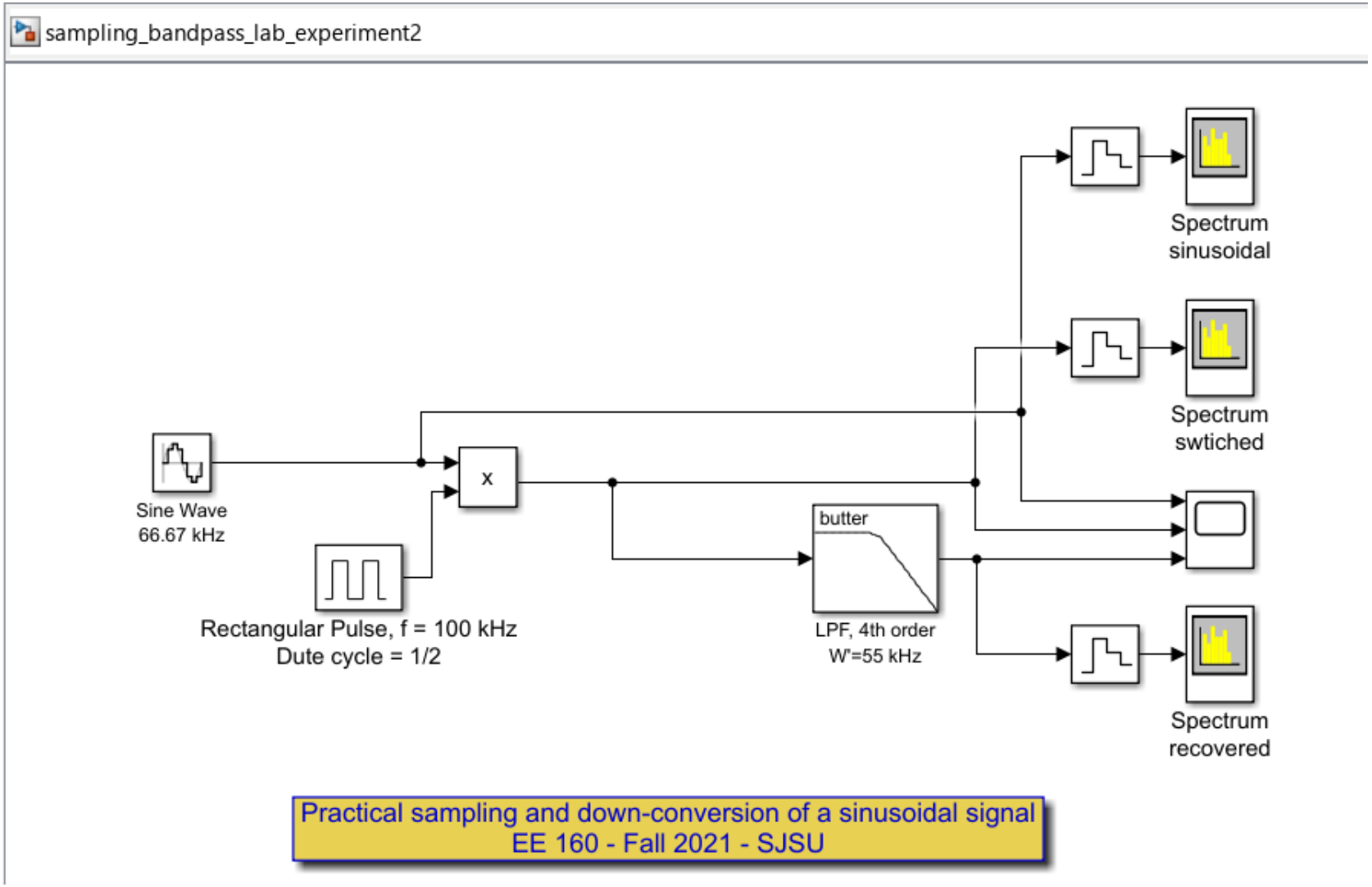
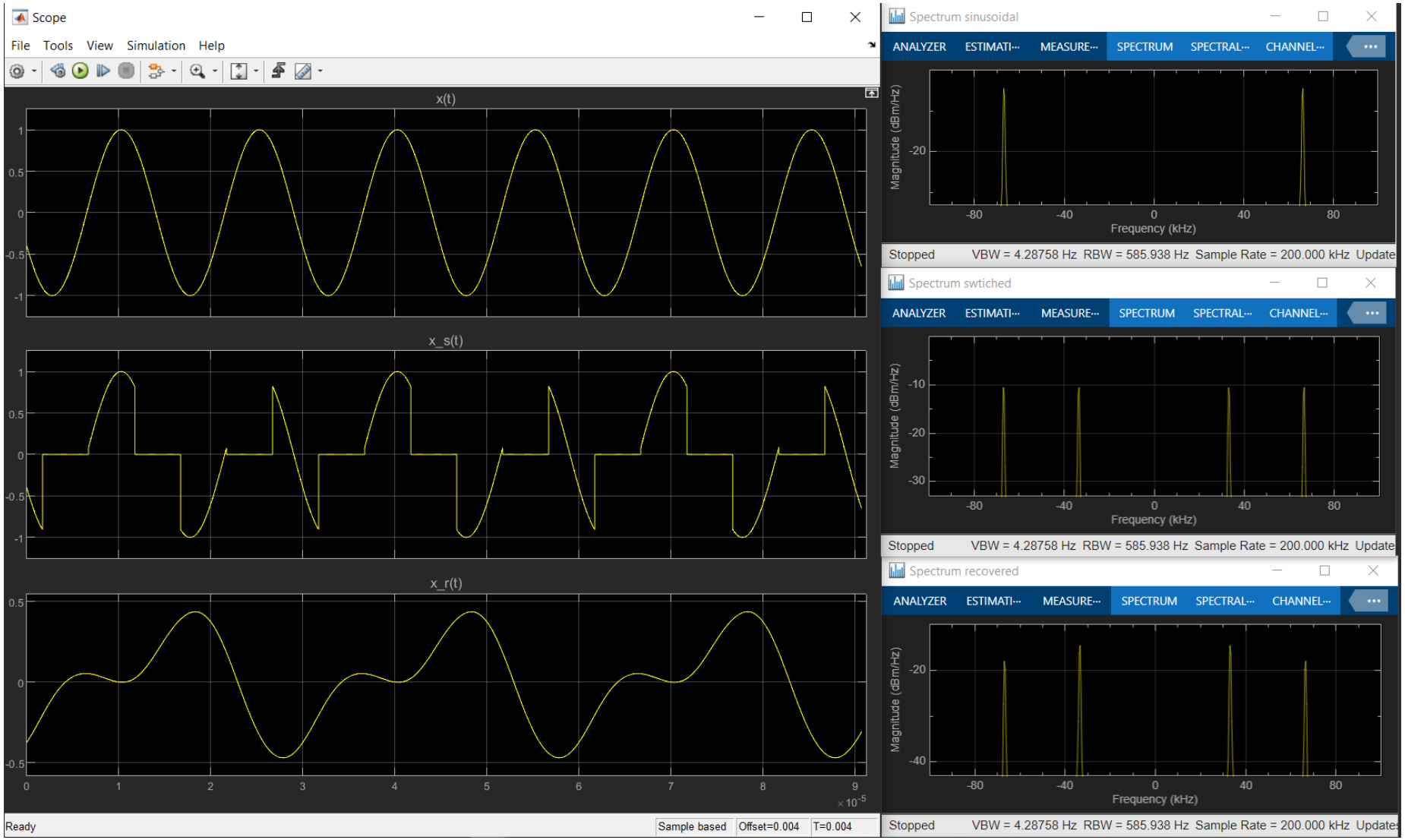
Sampling for downconversion



Sampling for downconversion (cont.)



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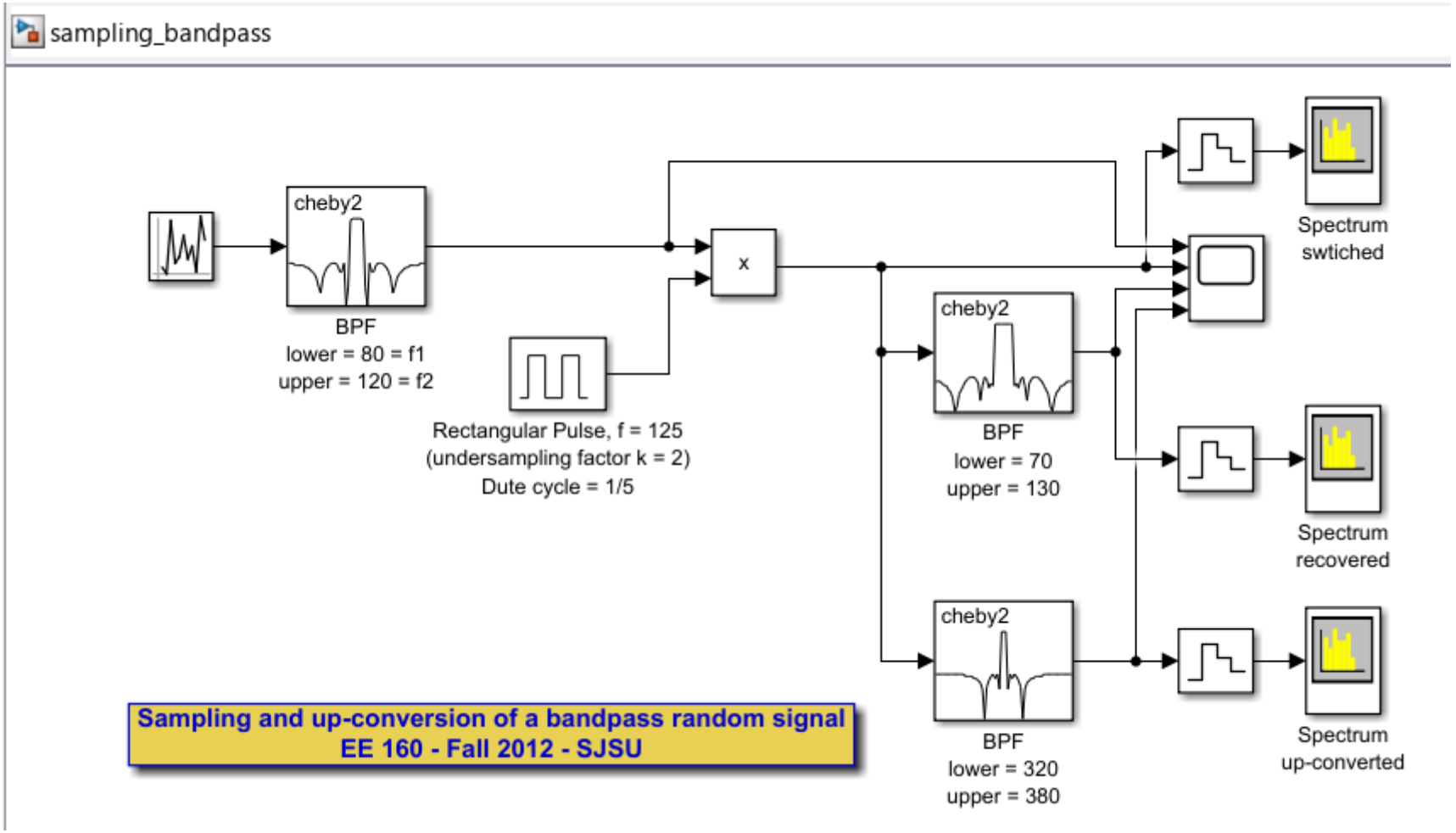
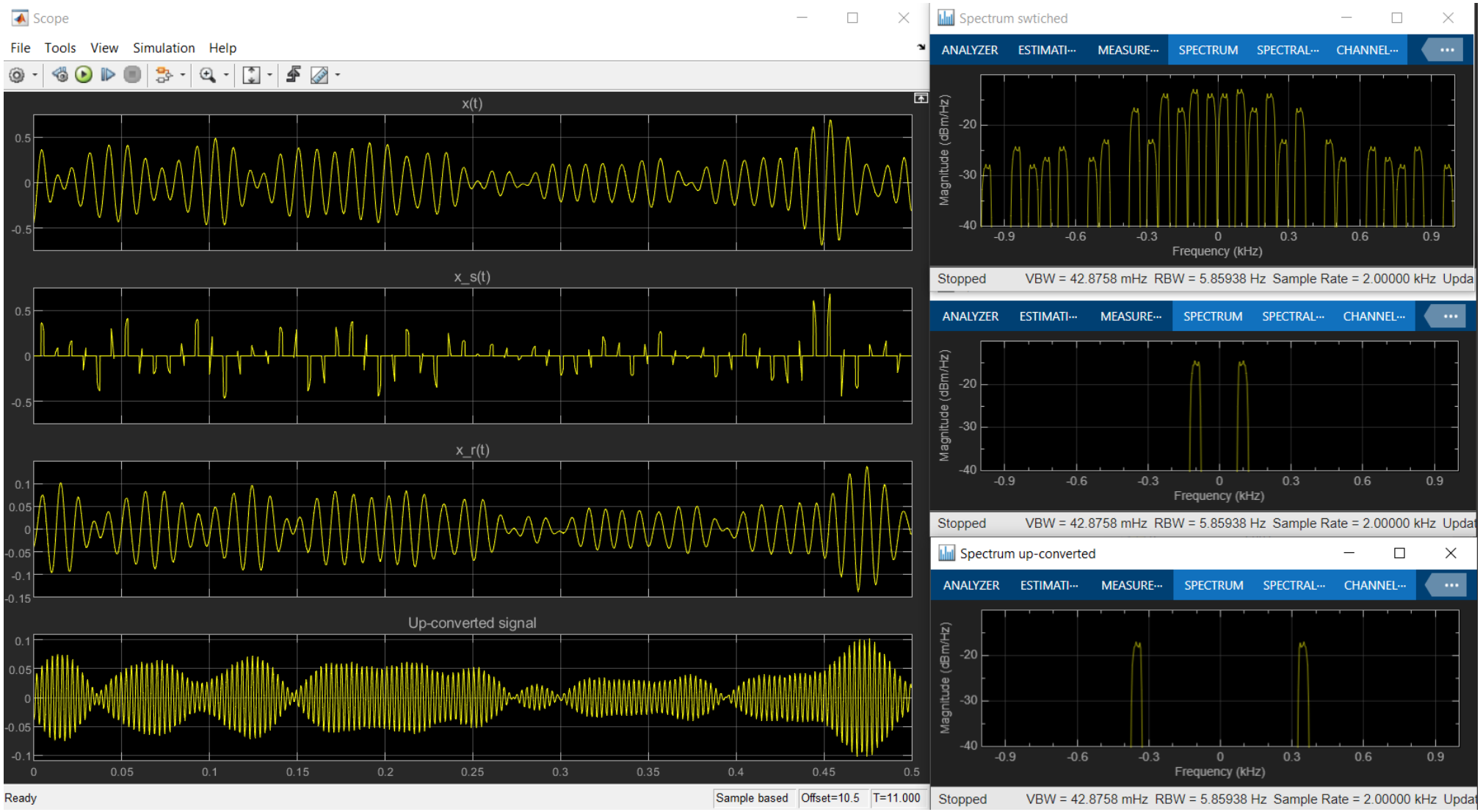
Bandpass sampling



Bandpass sampling (cont.)



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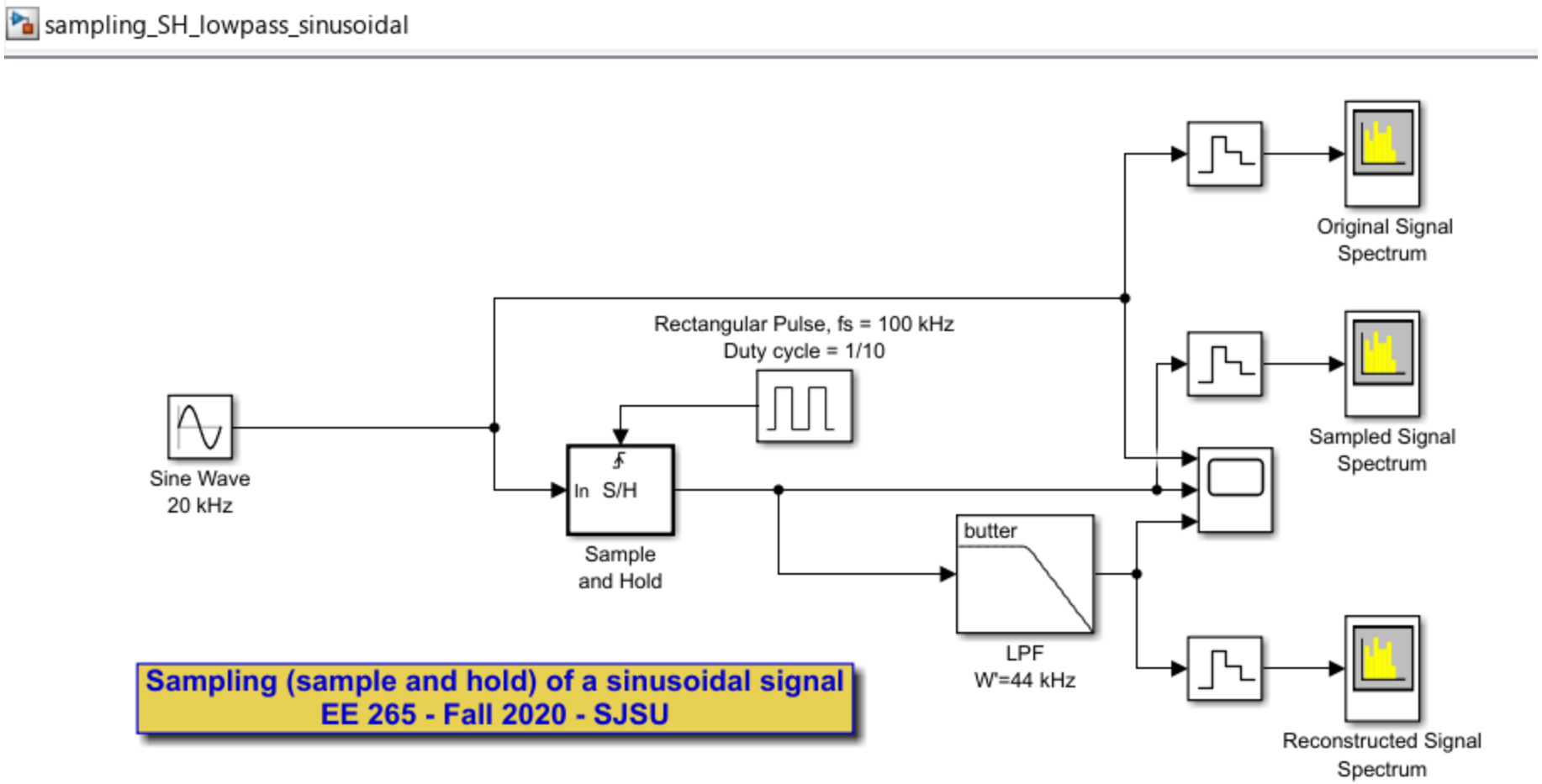
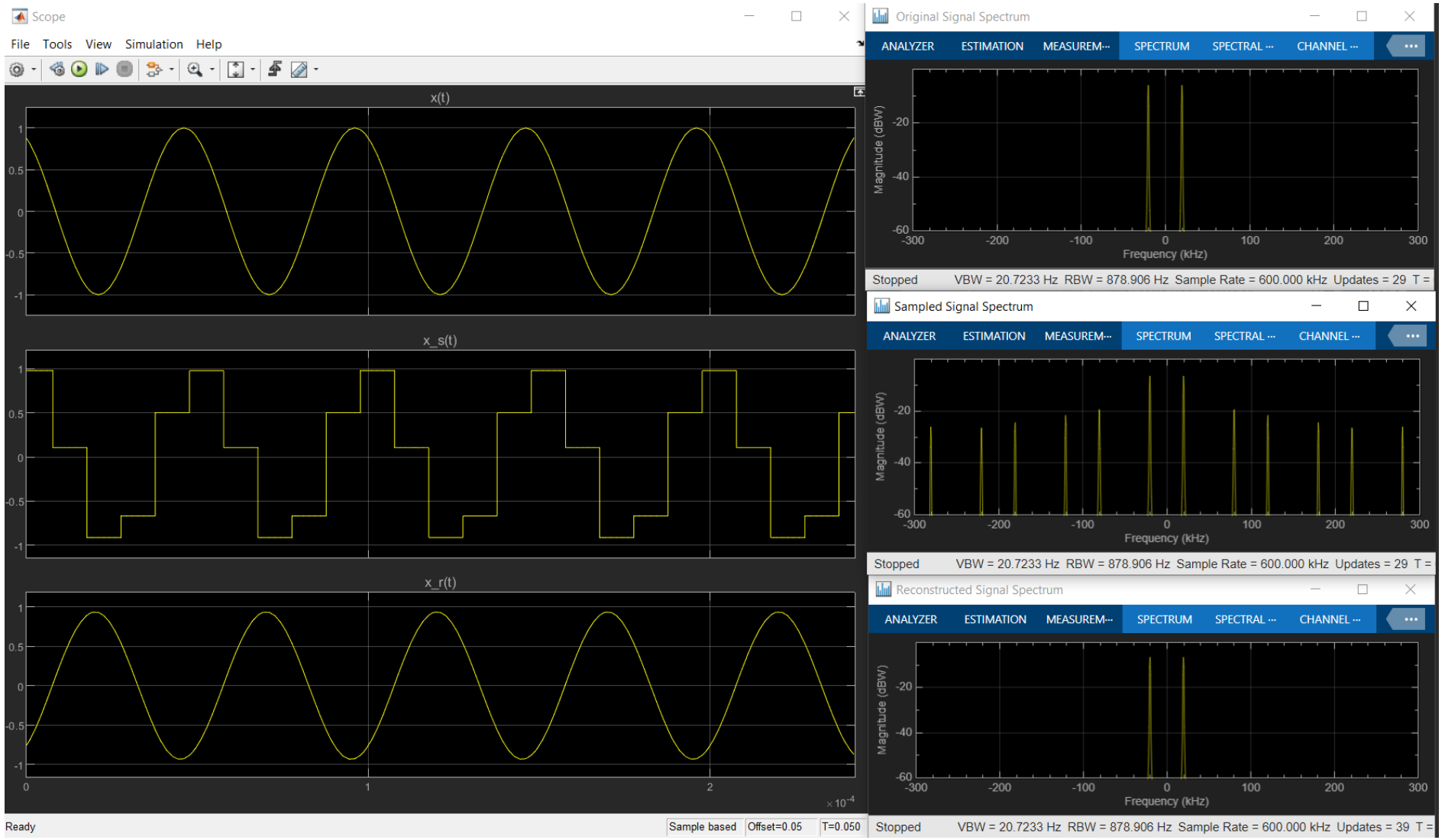
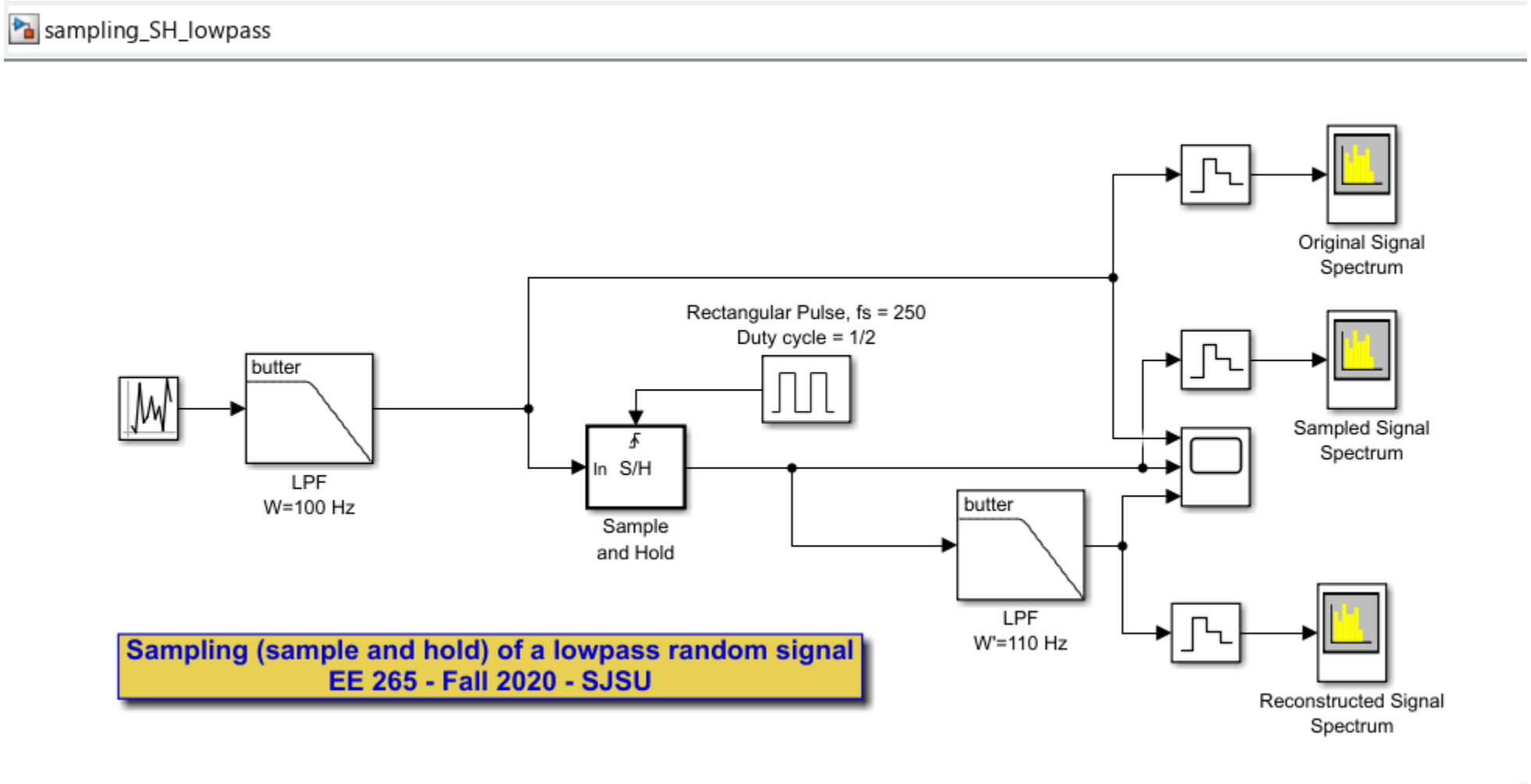
Sample-and-hold: Sinusoidal



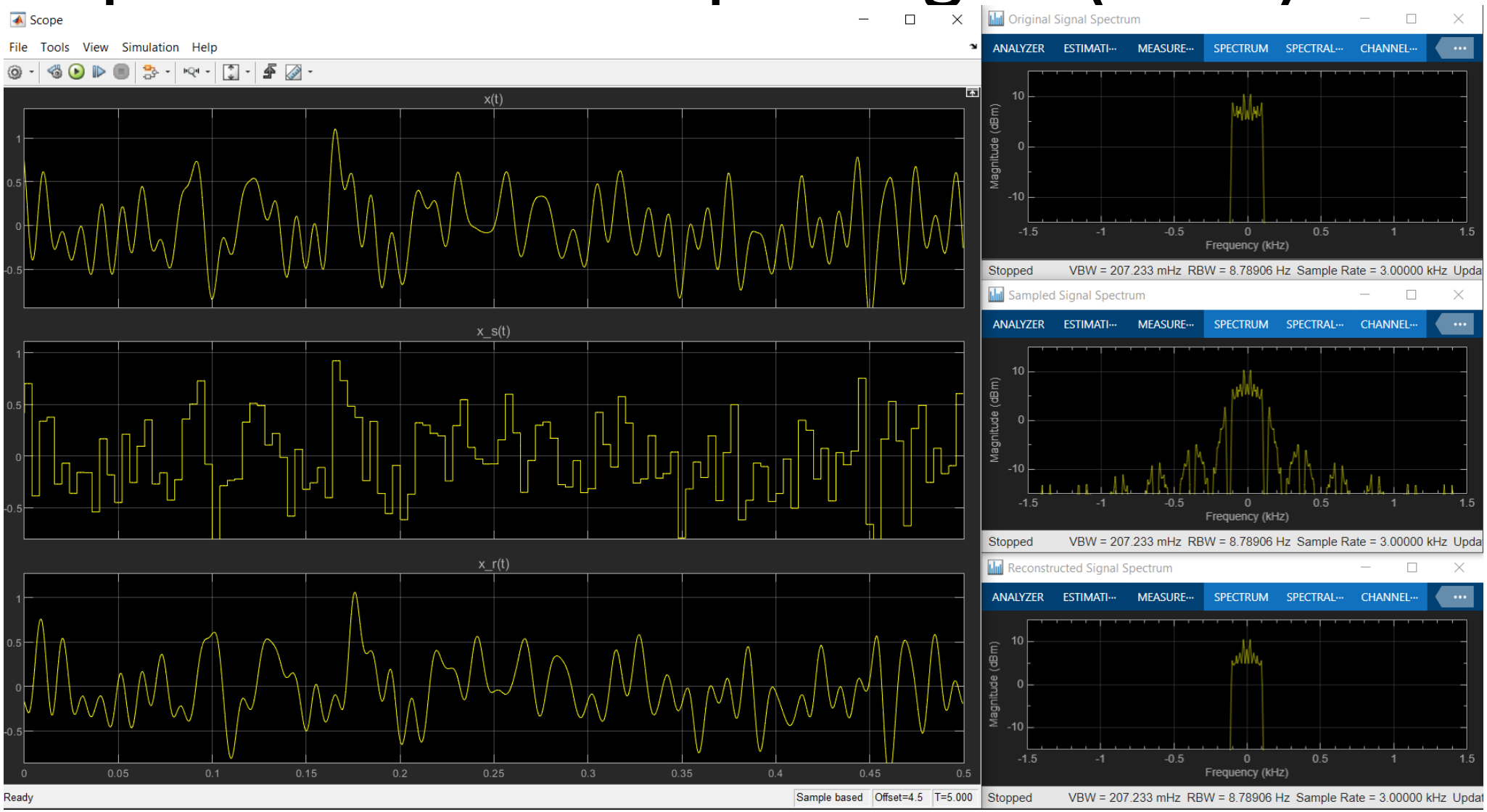
Sample-and-hold: Sinusoidal (cont.)



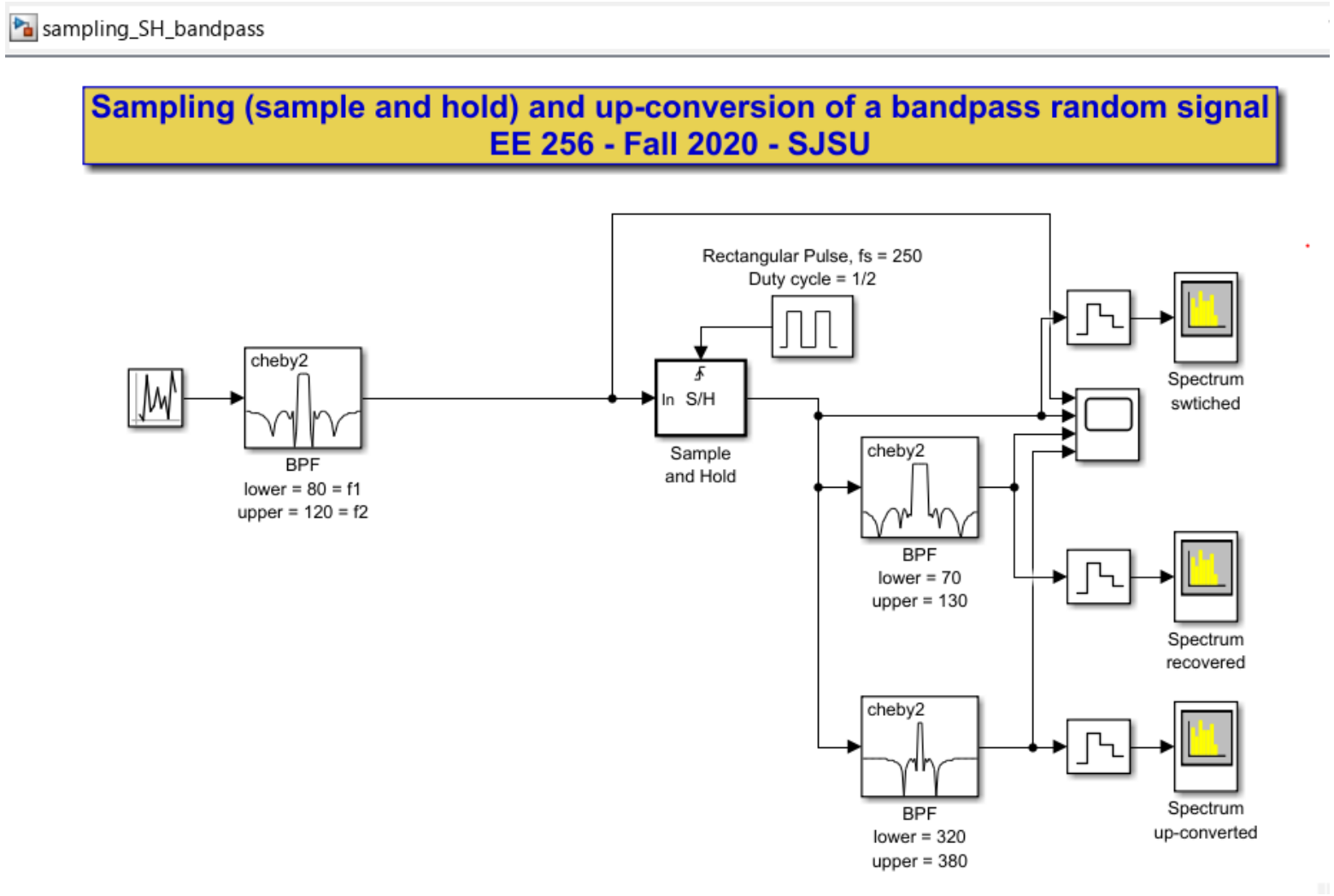
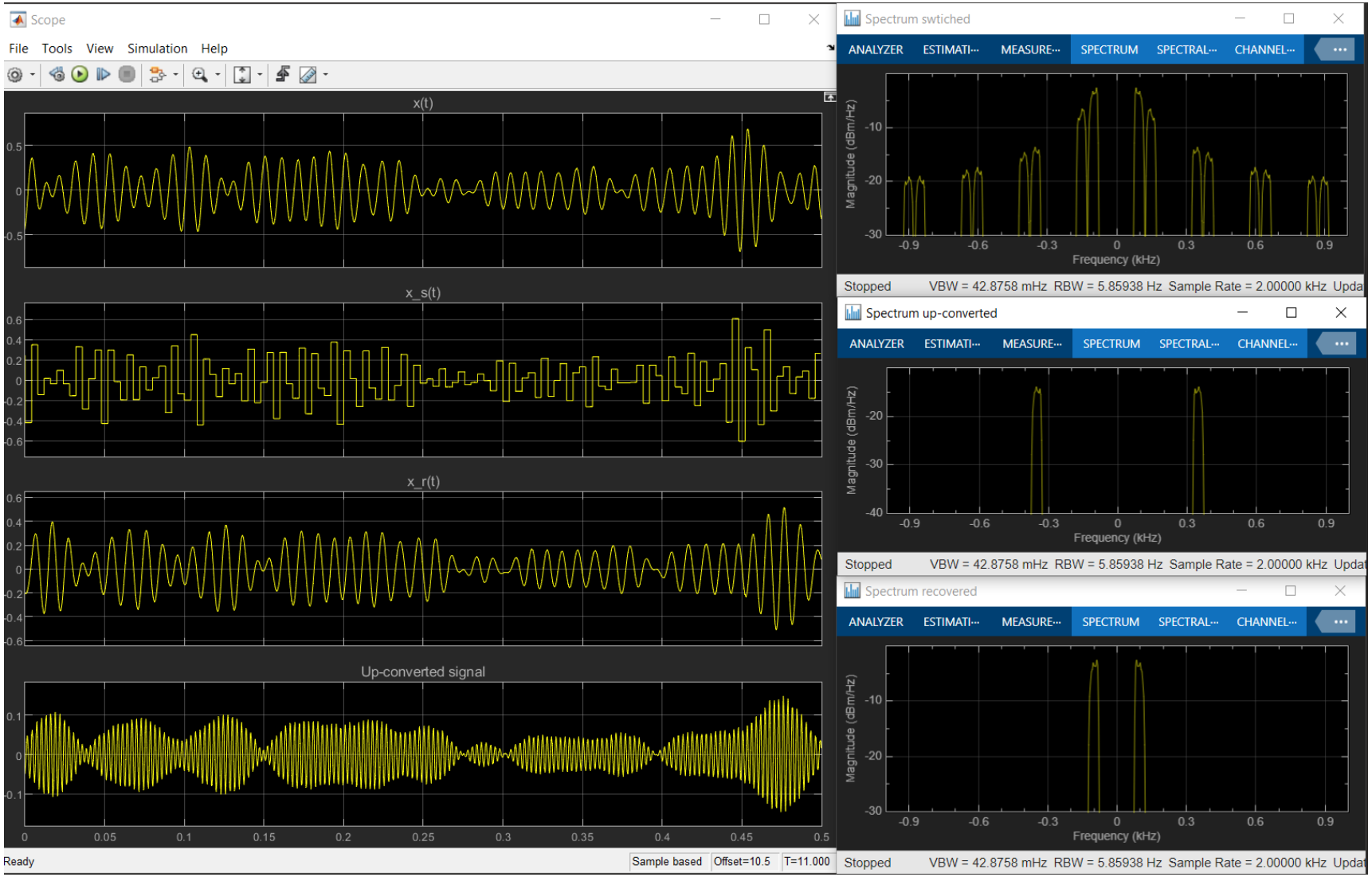
Sample-and-hold: Lowpass signal



Sample-and-hold: Lowpass signal (cont.)



Sample-and-hold: Bandpass /Up-conversion



Sample-and-hold: Bandpass /Up-conversion (cont.)