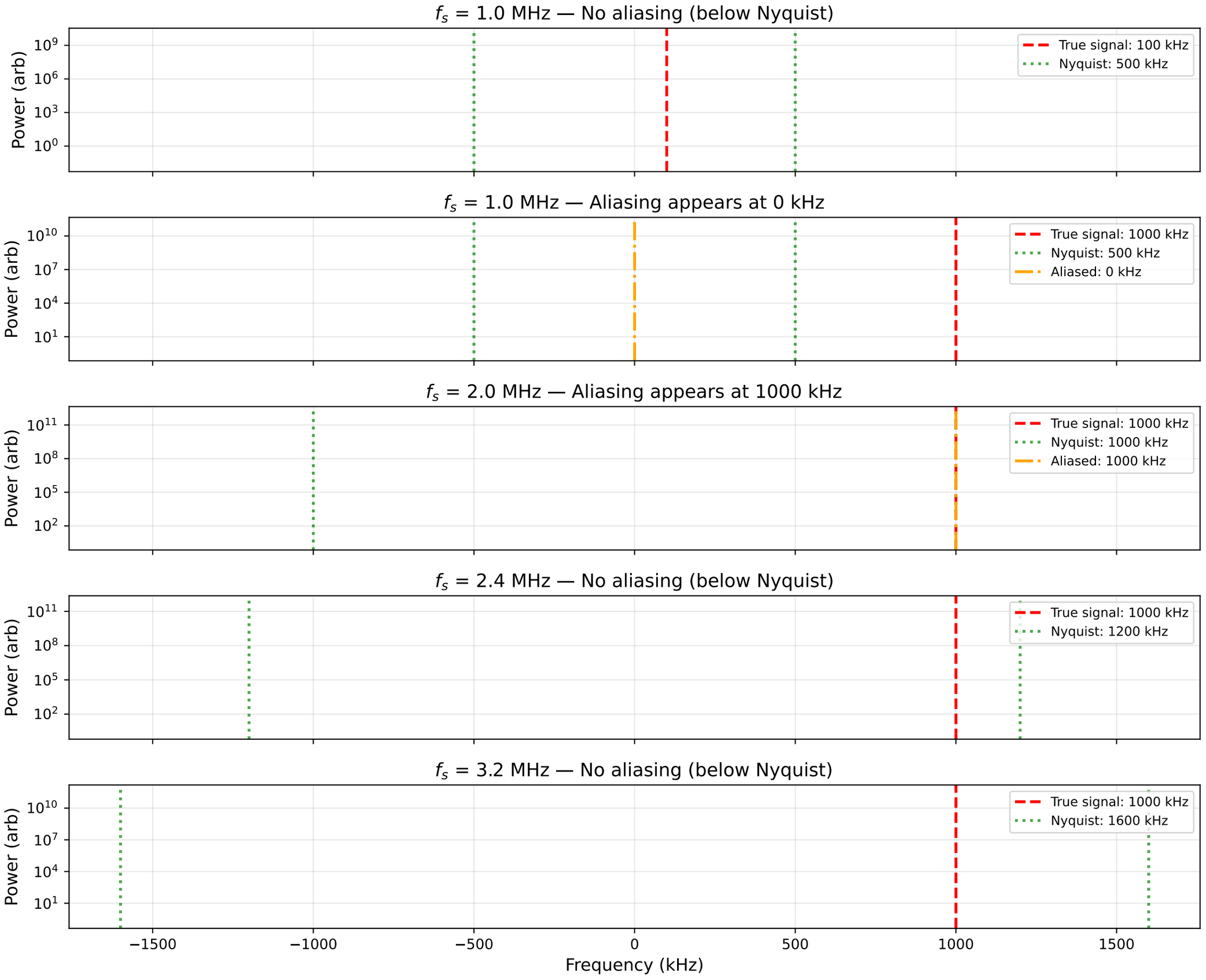
f_s = 1.0 MHz — No aliasing (below Nyquist)
True signal: 100 kHz
Nyquist: 500 kHz
f_s = 1.0 MHz — Aliasing appears at 0 kHz
True signal: 1000 kHz
Nyquist: 500 kHz
Aliased: 0 kHz
f_s = 2.0 MHz — Aliasing appears at 1000 kHz
True signal: 1000 kHz
Nyquist: 1000 kHz
Aliased: 1000 kHz
f_s = 2.4 MHz — No aliasing (below Nyquist)
True signal: 1000 kHz
Nyquist: 1200 kHz
f_s = 3.2 MHz — No aliasing (below Nyquist)
True signal: 1000 kHz
Nyquist: 1600 kHz
Power (arb)
Frequency (kHz)
−1500
−1000
−500
0
500
1000
1500