Cotg(h) 
$$\Big|_{n=3} = \frac{1}{5} + \frac{1}{\frac{3}{5} + \frac{1}{\frac{5}{5}}} = \frac{1}{5} + \frac{55}{15 + 5^2} = \frac{15 + 5^2 + 55^2}{155 + 5^3} = \frac{65^2 + 15}{5^3 + 155}$$
  
 $H(s) = \frac{B_{n,0}}{B_n(s)} = \frac{15}{5^3 + 65^2 + 155 + 15}$  Therefore Bessel  $n=3$ 

$$|S_{21}|^2 = T(s)T(-s) = \frac{15}{S^3 + 6S^2 + 15S + 15} \cdot \frac{15}{-S^3 + 6S^2 - 15S + 15} = \frac{15^2}{-S^6 + S^4(36 - 30) + S^2(6.15 + 6.15 - 15^2) + 15^2}$$

$$|S_{11}|^{2} = 1 - |S_{21}|^{2} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-25^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-25^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-25^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-25^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-25^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-25^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-25^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-25^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-25^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-25^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-25^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-25^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} - 455^{2} + 225} = \frac{-5^{6} + 65^{4} - 455^{2} + 225}{-5^{6} + 65^{4} + 255^{2} + 225} = \frac{-25^{6} + 65^{4} + 255^{4} + 255^{2}$$

$$S_{11} = \frac{S^{3} + 4_{1}407 S^{2} + 6_{1}708 S}{8^{3} + 6S^{2} + 15S + 15 + 5^{3} + 4_{1}407 S^{2} + 6_{1}708 S} = \frac{2S^{3} + 40_{1}407 S^{2} + 21_{1}708 S + 15}{8^{3} + 6S^{2} + 15S + 15 - 5^{3} - 4_{1}407 S^{2} - 6_{1}708 S} = \frac{2S^{3} + 40_{1}407 S^{2} + 21_{1}708 S + 15}{4_{1}593 S^{2} + 8_{1}292 S + 15}$$

$$2S^{3} + 10,407S^{2} + 21,708S + 15$$

$$2S^{3} + 10,407S^{2} + 18,83S$$

$$1,593S^{2} + 8,292S + 15$$

$$2,878S + 15$$