TM resonant wavenumbers for a coax with a = 1, b = 4:

n=0		1.0244
n=1	(2)	1.1119
n=2	(2)	1.3300
n=3	(2)	1.6066
n=4	(2)	1.8996
n=0		2.0809
n=1	(2)	2.1342
n=5	(2)	2.1934
n=2	(2)	2.2861
n=6	(2)	2.4841
n=3	(2)	2.5149
n=7	(2)	2.7716
n=4	(2)	2.7922

These are the solutions of Yn(ka)Jn(kb) - Yn(kb)Jn(ka) = 0