Mode shape	Rodal Exact Solution (GHz)	NASA COMSOL FEA (GHz)	Difference (% GHz)	Difference (GHz)
TM010	0.98908	0.9598	-2.96%	0.02928
TE111	1.03787	1.0420	0.40%	-0.00413
TM011	1.33845	1.3435	0.38%	-0.00505
TE211	1.47618	1.4746	-0.11%	0.00158
TM111	1.50541	1.4692	-2.41%	0.03621
TE112	1.53808	1.5591	1.37%	-0.02102
TM012	1.70888	1.7160	0.42%	-0.00712
TE011	1.75869	1.7705	0.67%	-0.01179
TE212	1.89954	1.8800	-1.03%	0.01954
TE311	1.90613	1.8987	-0.39%	0.00743
TM112	1.93999	1.9355	-0.23%	0.00449
TM211	1.97187	1.9701	-0.09%	0.00177
TE113	2.10905	2.1079	-0.05%	0.00115
TE012	2.16467	2.1794	0.68%	-0.01473
TM013	2.22656	2.2402	0.61%	-0.01364
TM113	2.24832	2.2730	1.10%	-0.02468
TE312	2.30962	2.2887	-0.91%	0.02092
TE411	2.32327	2.3100	-0.57%	0.01327
TE213	2.38836	2.3754	-0.54%	0.01296
TM311	2.41517	2.4068	-0.35%	0.00837
TM212	2.45032	2.4575	0.29%	-0.00718
		Mean	-0.1772%	0.0023
		Median	-0.0898%	0.0016
		Std.Dev.	1.0407%	0.0160
		Max	1.3666%	0.0362
		Min	-2.9606%	-0.0247