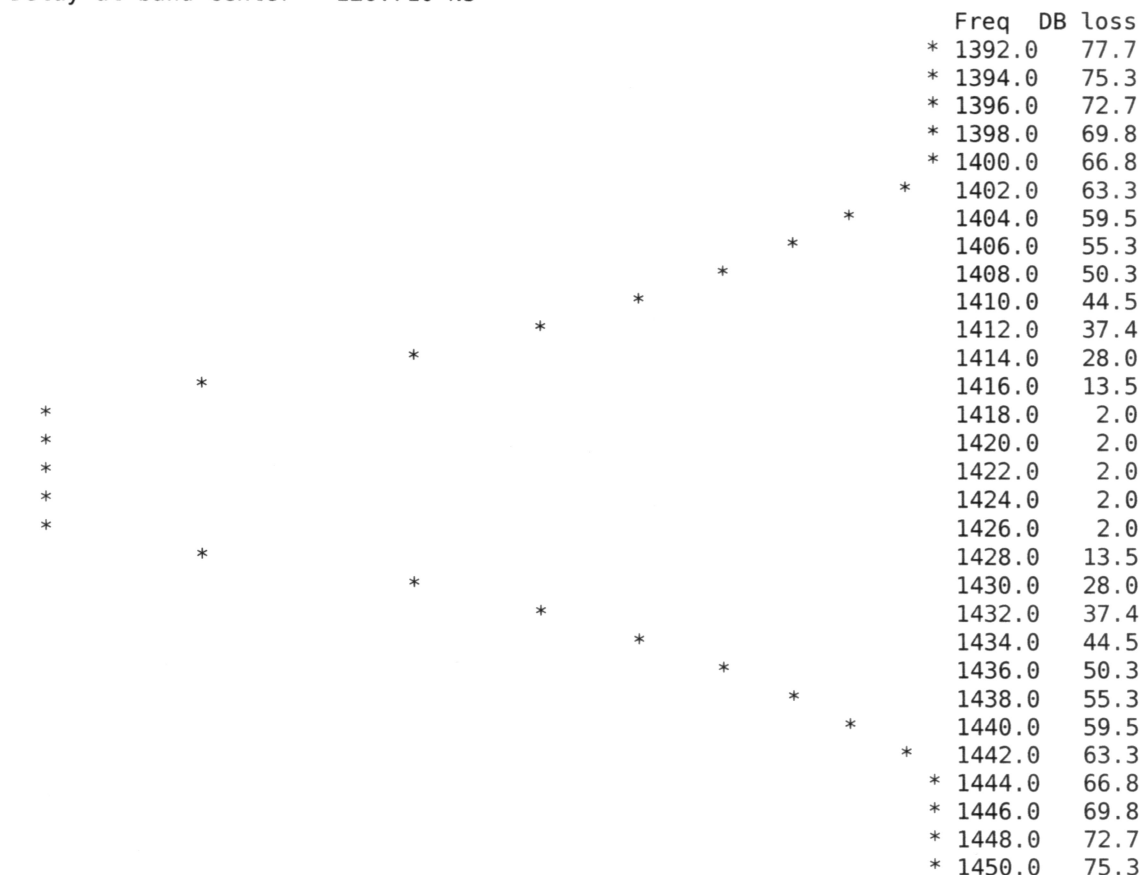


Design data for 4 section interdigital bandpass filter.
 Bandpass ripple = 2.000 DB
 Center frequency = 1422.000MHZ
 Cutoff frequency = 1417.000 and 1427.000 MHZ
 Ripple BW = 10.000 MHZ
 3 DB BW = 10.184 MHZ
 Fractional BW = 7.032 MHZ
 Filter Q = 139.635
 Est QU = 1311.724
 Loss Based on this QU = 3.746 DB
 Delay at band center = 126.710 NS



Quarter wavelength = 2.075 inches
 Length of interior elements = 1.936 inches
 Length of end elements = 1.937 inches
 Ground plane space = 0.500 inches
 Rod diameter = 0.157 inches

End plates are 0.500 inches from center of end rod.
 Tap external lines up 0.045 inches from shorted end.
 Line impedances: End rod: 83.523, other: 83.747 Ext. lines: 50.000 Ohms
 Dimensions (inches)

El. No.	End to C	C to C	G[k]	Q/Coup
0				
1	0.500	0.954	2.793	0.626
2	1.454	0.974	0.881	0.551
3	2.428	0.954	3.606	0.626
4	3.382	0.000	0.682	2.844
5	3.882			

Box inside dimensions: 2.075H x 3.882W x 0.500T inches