

ABSTRACT

Filter is a transmission device that has a function to skip certain frequencies to pass the desired frequency (bandpass) and drown out the undesired frequencies (stopband). In this final assignment has realized Bandpass Filter using Interdigital Pseudo-method on PCB Taconic RF-35. Pseudo-Interdigital is a new method in the design of microstrip filter and has the advantage that the performance of pseudo-interdigital bandpass filter shows that the transmission zero can receive undesired signals near the passband, thereby increasing the the performance of the filter. Band Pass Filter can work at 2235-2315 MHz, Based on the measurement results obtained by value as follows: center frequency at 2275 MHz, insertion loss at 0.6987982 dB, bandwidth ± 80 MHz and return loss at 16.5986 dB.

Keyword : *Band Pass Filter, Pseudo-Interdigital*