

Cross Guide Coupler (Ka Band)

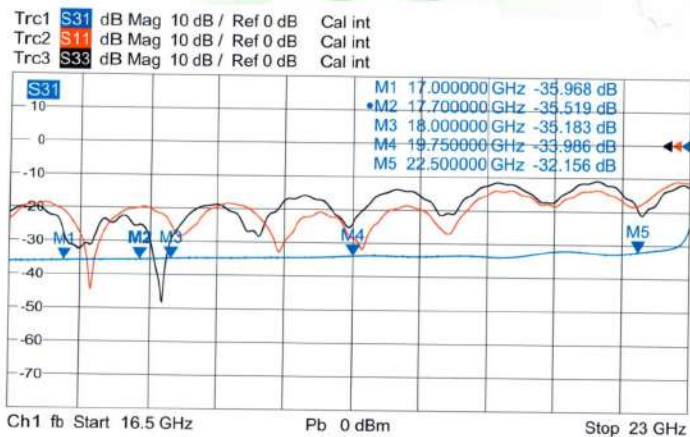


- Indigenously design and develop cross guide couplers in C, Ku and Ka band. Ka band couplers are successfully integrated in Ka band Payload Subsystem-CFI of PakSat-MM1 Satellite.
- To couple one microwave line with another by drawing a very small portion of electrical energy from the prior line to the secondary line.

Applications

- Satellite Com Payloads
- Satellite Ground Station
- Test & Measurement Systems

Test Results



Technical Data

- Frequency 17-22GHz
- Flatness 0.5dBpp
- Insertion loss ≤ 0.5 dB
- Coupling factor $\leq 30 \pm 5$ dB

