

Chapter 7

361XA/362XA Test Sets

Information

7-1 INTRODUCTION

This chapter describes the series 361XA and 362XA Test Sets. It provides an overall functional description and descriptions of major PCB's, subassemblies, and RF deck assemblies for these units.

7-2 OVERALL FUNCTIONAL DESCRIPTION

Models 3610A through 3615A are Reversing Test Sets, and Models 3620A through 3625A are Active Device Test Sets (Table 7-1). All models contain the same *basic* circuitry and assemblies, and all provide automatic signal reversing. They differ only in that the Active Device Test Sets contain bias tees and additional step attenuators. The corresponding models of both series (3610A/ 3620A, 3613A/3623A, etc) cover the same frequency ranges.

Table 7-1. Test Set Models, Frequency Ranges, and Test Port Connector Types

Model	Type	Frequency Range (GHz)
K Male Connector		
3610A	Reversing	0.04 – 20
3611A	Reversing	0.04 – 40
3620A	Active Device	0.04 – 20
3621A	Active Device	0.04 – 40
V Male Connector		
3612A	Reversing	0.04 – 60
3613A	Reversing	0.04 – 65
3615A	Reversing	0.04 – 50
3622A	Active Device	0.04 – 60
3623A	Active Device	0.04 – 65
3625A	Active Device	0.04 – 50

The models in each series are similar in construction and operation, but differ in frequency range. Table 7-1 lists the test set models, their frequency ranges, and their test port connector types. The major assembly locations for models 3610A, 3611A, 3620A, and 3621A are shown in Figure 7-1 (next page). Figure 7-2 shows the major assembly locations for models 3612A, 3613A, 3622A, and 3623A.

Because of their similarities, the functional descriptions and block diagrams have been combined for the test sets. Information that is unique to a particular test set model or series of models is noted both in the descriptions and on the block diagrams.