Specification and debugging Method

1 Debuging tools

1）Integrated tester 8921；2）PC and installed CPS software；3）AEROFLEX 3920；4）Spectrum Analyzer FSU。

2 Debugging Method & Requirement For TX section (Frequency: 136-174MHz)

Item	Instrument Configuration	Measuring		Methods and tools		Specification	Remarks
		Test Device	Test Point	Assistant tool	Steps		
TX center Frequency	Set 8921 to TX mode	HP8921	Connect Repeater Antenna port to RF IN/OUT port of 8921	PC	1) Open CPS software and enter testing mode; 2) Double click **Low Freq. Mod Deviation**; 3) Adjust the data value of software & Observe the Frequency via 8921; 4) Adjust till Frequency reach **Nominal Freq 155.7525MHz±1kHz**; 5）Click **OK** to save data.	**2.5ppm**	Within ±1kHz while in testing mode
TX High Power	Set 8921 to TX mode	HP8921；			1) Open CPS software and enter testing mode; 2) Double click **TX High Power**, Click **F1** to **F6** separately; 3) Adjust the data value of software & Observe the TX power via 8921; 4) Make the power reach **60W**; 5) Observe the Current flow; 6）Click **OK** to save data.	**Power：60W**	Power requirement only apply to Manufacturing Process