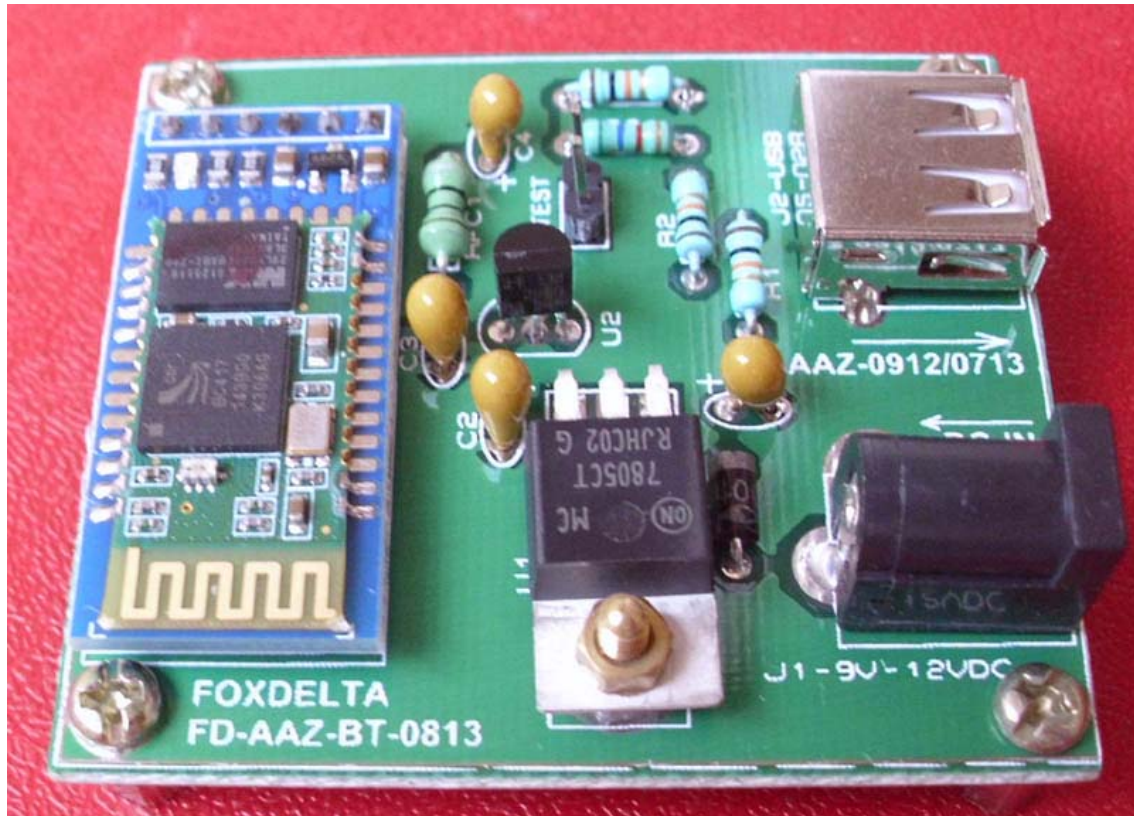




AAZ-BT-0813 Tech Info Doc: Bluetooth Add-on Board for AAZ-0912 and AAZ-0713

ANDROID

A Simple Bluetooth Adapter for AAZ-0912 and AAZ-0713 Antenna Analyzers:

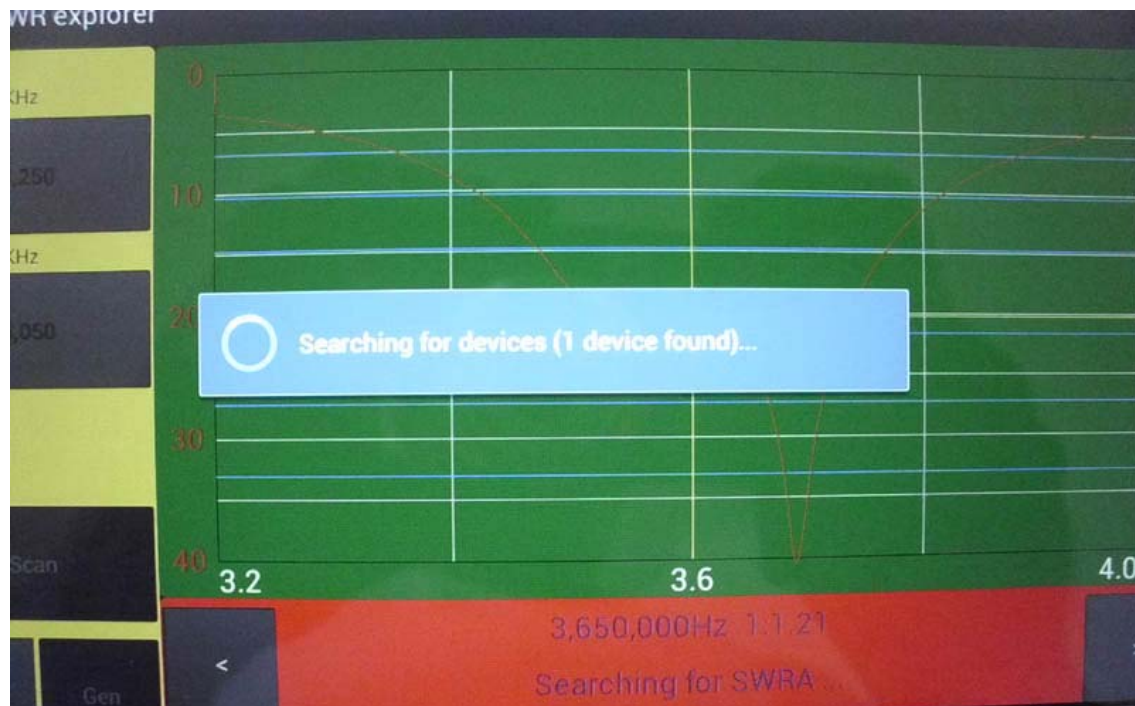


Purpose of this Adapter Board:

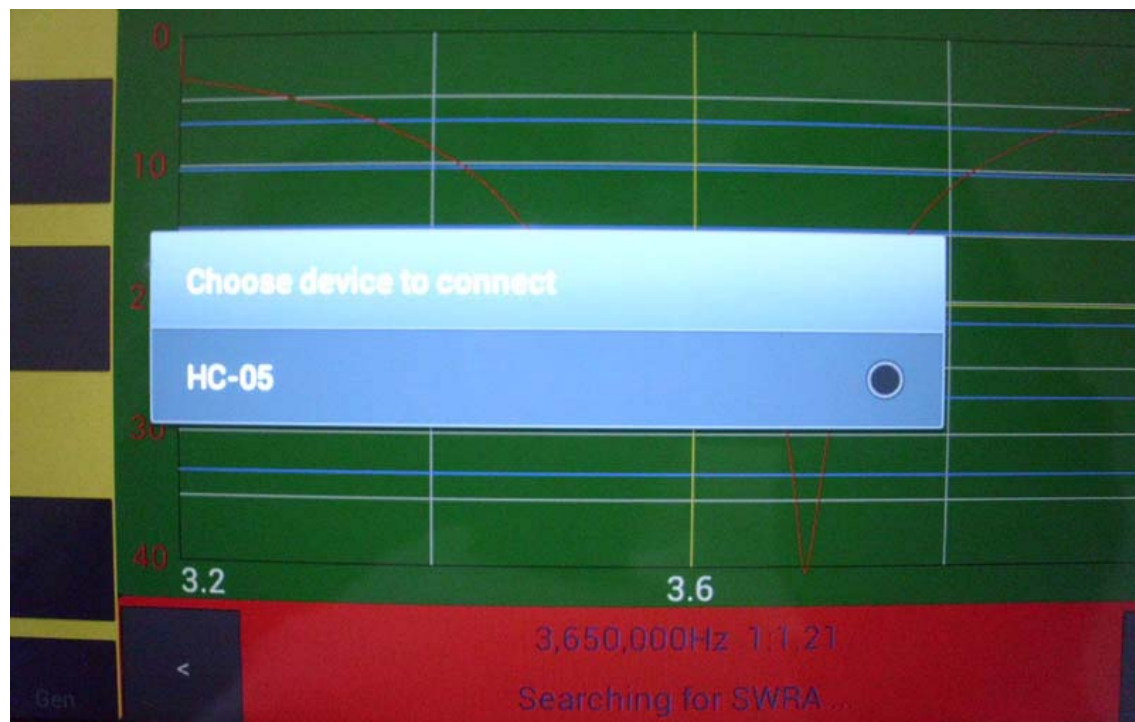
1. Transmit AAZ-0912/0713 Antenna Analyzer data to Smart Phones running Android OS.
2. Considering that most people own a Smart Phone, PC is no longer required for display of analyzer data.
3. Simply disconnect USB cable from your PC and insert it to this adapter's USB Connector (J2) and supply DC 9 to 12V to J1.
4. Free Android app by [Tony / I2TZK](#)

Installing I2TZK.PAK on Android Smartphone: (Samsung Tab 3 in picture)

Bluetooth Device Search:



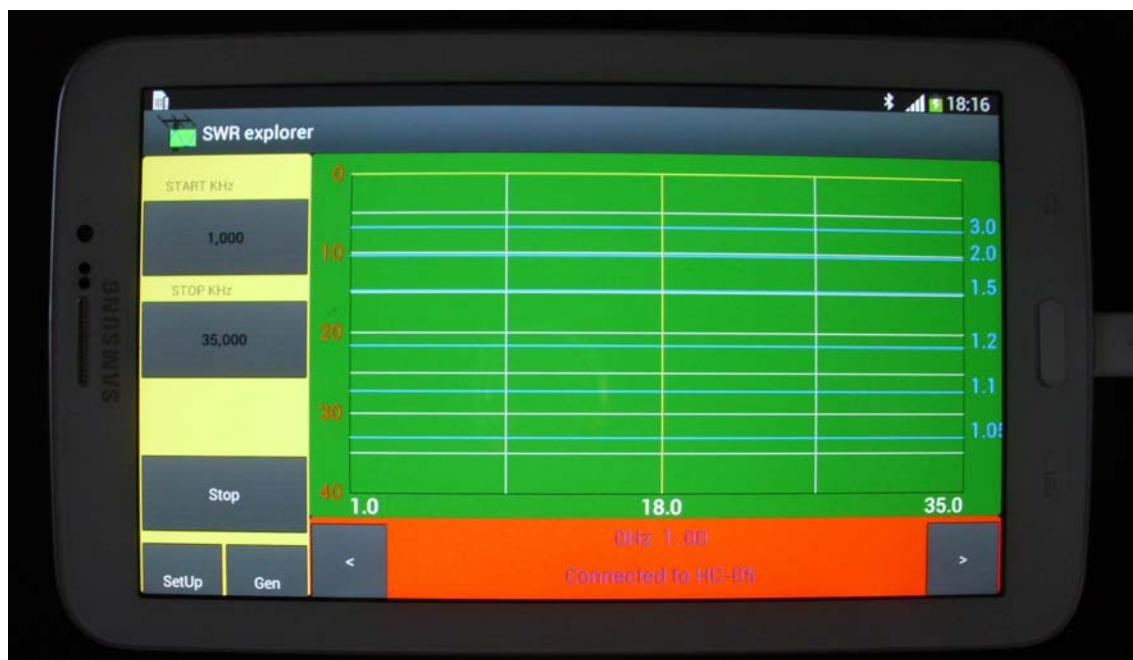
Bluetooth Device Found by Android Smart Phone:



Bluetooth Device Connected: (HC-05 Bluetooth Module)



Bluetooth Device Connected to AAZ-0912/0713 and Ready for use:

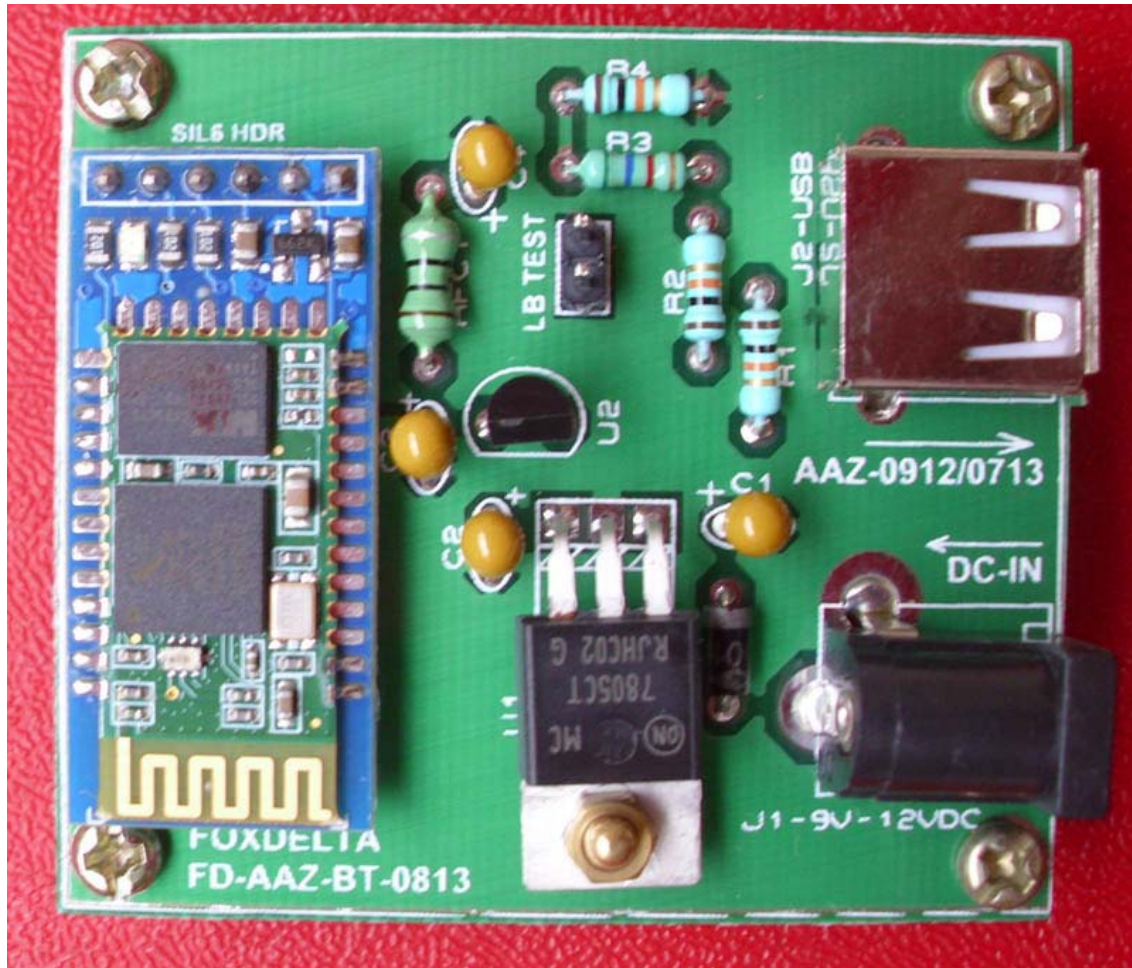


SetUp = Device setup

Gen = Generator Start and end frequency setting

This can be achieved by also clicking START KHZ and STOP KHZ Buttons.

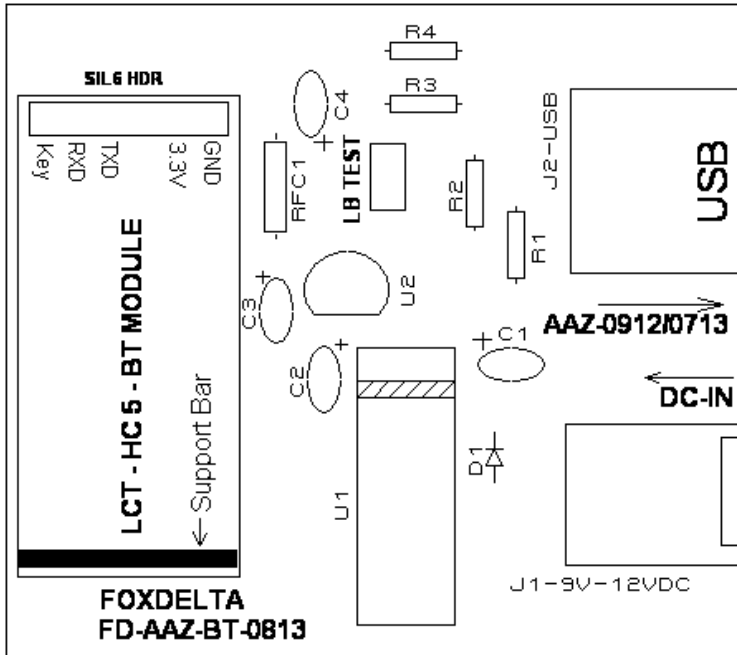
Top View of Assembled BT Interface for AAZ-0912/0713 Antenna Analyzers:



AAZ-BT-0813 KIT Parts List:

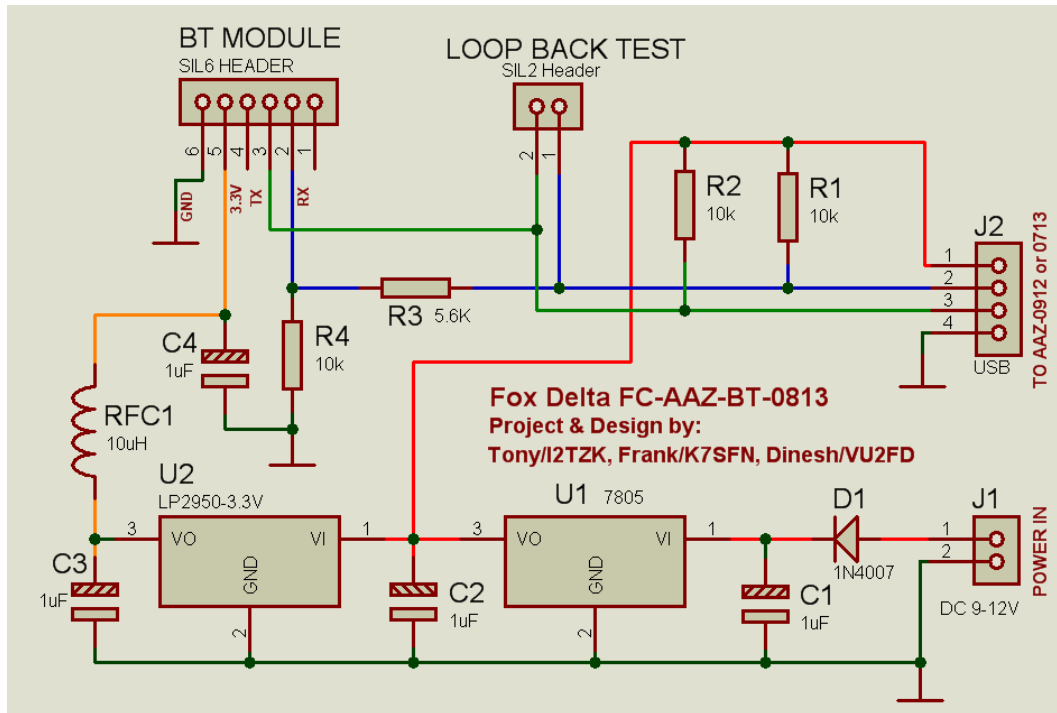
Qty	Part ID	Part Details
1*	Bluetooth Module	LCTech Bluetooth Module with SIL6 Header
1	PCB	AAZ-BT-0813 DSPTH PCB
1	U1	7805 Regulator TO220
1	U2	LP2950-3.3V Regulator TO92
1	Header	Loop Back header with shorting pin
1	J1	DC12V PCB Connector
1	J2	USB Connector
1	D1	1N4007 Diode
4	C1, 2, 3, 4	1uF Tantalum Capacitors
1	RFC1	10uH RFC
3	R1, 2, 4	10K Resistor 5% ¼ W
1	R3	5.6K Resistor 5% ¼ W
4	Spacers	PCB Mounting Spacers

AAZ-BT-0813 PCB SILK:



For more info on using "TEST" header, please refer to Bluetooth Operating Guide by Tony/I2TZK

AAZ-BT-0813 Schematic:



73s
Dinesh Gajjar 15th August 2013

Visit <http://www.foxdelta.com> for more information