



Aug 27, 2003

BAY AREA COMPLIANCE LABORATORY CORP .  
230, COMMERCIAL STREET,  
SUITE 2,  
SUNNYVALE , CA 94085

Re : Differences Between airPointPRO and airBridge TOTAL , airPointPRO TOTAL

FCC ID : PWG AIRPOINTPRO

Dear Sir ,

We have submitted two equipment airBridge TOTAL and air PointPRO TOTAL with model numbers SB 2120 and SB 2520 respectively . Both these units are identical in hardware circuit and differ only in software content . By the software airBridge TOTAL is a client device and airPoint PRO TOTAL is an access Point . Both have the same Radio Maximum power achievable is + 19.9 dBm and the power is adjustable by the installer from +19.9 dBm to below + 10 dBm by setting Dial - a - Power .

The circuit and PCB of these units are identical to airPoint PRO which is certified by grant R0203252 FCC ID PWG AIRPOINTPRO . The differences are as below :

1. The PCB is housed in a weatherproof NEMA 4 rated Plastic Housing and has a 13 dBi antenna connected integrally to one RF port . The second RF port is terminated on an N Type connector mounted on the cabinet through an internal RF cable which enables external antenna connection . In airPoint PRO both these ports were terminated on two SMA connectors mounted on the cabinet .
2. A resistor R 401 180 Ohms , 5% , 20 W , is connected between DC power supply input and ground .
3. Reset switch SW 201 is located inside powerShot provided .
4. 12 V Power supply is provided through Ethernet cable ( POE , GND IN ) instead of power Jack CN 203
5. RJ 45 connector CN 201 is removed from main PCB and placed inside a weatherproof connector and is joined to the main PCB by CAT 5 cable .

Since we have not done any changes in the Radio Portion of the circuit and the changes done are only in power and Ethernet connections we request a permissive change in R0203252 .

Thanking you ,  
Sincerely

C. J . Balakrishnan  
Engineering Director