

TO

BACL Corporation ,
230 Commercial Street ,
SunnyVale
CA 94085

SUB : Permissive change application

Dear Sir ,

We are manufacturing wireless LAN products based on IEEE 802.11b Specifications . Our product range is wireless USB client adapter airNIC (FCC ID PWG AIRNIC) , wireless Ethernet client adapter airBridge (FCC ID PWG DOLPHIN) , wireless Access Point airPoint (FCC ID PWG DOLPHIN) and wireless Access Point enterprise version airPointPRO (FCC ID PWG AIRPOINT PRO) . WE have customers wanting to use our airBridge and airPoint as Outdoor Units with external antennas (MAX EIRP 30 dBm) .

Since the Radio components are already rated for use up to - 40 deg C we had put the same PCB of airBridge / airPoint (airBridge and airPoint use same Hardware) inside an enclosure rated for IP 66 and NEMA 4 . The RF output is terminated on N type bulkhead mount female connector . The Flash IC and SRAM IC in the digital section are changed from normal temperature version to Industrial temperature version and a resistor 100 OHM 20 Watt is mounted on the Ethernet PHY IC in digital section for locally warming up to ensure low temperature operation . We did not change any circuit in Radio Section . With this modification the device is outdoor worthy and can be mounted on rooftop with external antenna .

We call this model as airBridge Outdoor and airPoint PRO Outdoor for marketing purposes . We intend using the units with the following antennas

1. 13 dBi Panel antenna
2. 18 dBi Panel antenna
3. 19 dBi Parabolic grid antenna
4. 13 dBi Sectorised antenna

We request you to do the necessary testing and accord the Permissive Change Note for airBridge Outdoor and airPoint PRO Outdoor . airBridge Outdoor and airPoint PRO Outdoor use the same PCB and hardware and the changes are only in software as in the case of airBridge and airPoint . Please use PWG DOLPHIN ABO as FCC ID for this PCN .

Thanks and warm regds ,

C . J. BALAKRISHNAN , DIRECTOR R&D

12/ 07 / 02 , SINGAPORE