

To

BACL Corporation

230 Commercial Street

Sunny Vale , CA 94085

Sub : Nexus radio PCB Qualification

Dear Sir ,

We have sent our Nexus Unit sB 3010 with Radio Module sB 3000 for qualification of Radio module .The radio module complies with the requirements of FCC part 15 Modular Transmitter Approval as below .

1. The Radio module has its own RF shield . It meets the Radiated emission limits of part 15 on its own .
2. The Data inputs for modulating are buffered by the baseband processor before modulating RF . No over modulation is possible by the amplitude or rate of Data input . The OFDM modulation applied to RF changes from 54 MBPs (64 QAM) to 6 MBPs (BPSK)
3. The Radio Module has its own power supply regulator on board .
4. The Radio module uses a unique RF connector type FL (propreitory) for outputting RF . User can connect to the antenna only with FL to N cable provided by smartBridges Pte Ltd .
5. The Radio module is of stand alone type with mini PCI interface . It can be connected to any computer with mini PCI interface .
6. The Radio Module is installed in Nexus unit which will have a label " Unit contains module with FCC ID : PWG NEXUS1 "
7. The Radio Module is intended for use with Nexus unit under FCC 15.247 providing point to point wireless links . The operating requirements are described in the user manual enclosed for the Nexus unit .
8. The Radio Module complies with the RF exposure requirements .

So We request our Radio Module SB 3000 be tested and qualified as modular transmitter.

Thanks and Best Regards,



C.J.Balakrishnan , Engineering Director , 14 Feb 2005 .