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**Description of changes to certified system under FCC ID: DO4EVOLVE**

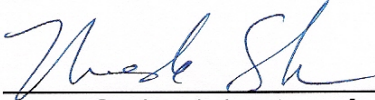
The following six changes were implemented to the EVOLVE antenna family previously certified under **FCC ID: DO4EVOLVE** in September 2007

- 1) The A1092 CONN filter pcb assembly, Checkpoint P/N 7397321 rev.3 is directly mounted to Emerald \*61 transceiver electronics ports J2 and J3 in all antennas. Also, a ferrite choke assembly consisting of bifilar wire wound on Fair Rite P/N 5943000601 (4 turns) and in series with Chang Sung Corp FS155090 (2 turns) or Micrometals BLN3961-263/BU (2 turns) is installed as an extension to each Evolve antenna leads and attached directly to the Filter pcb assembly, P/N 7397321. The two Fair-Rite P/N 2861-000-202 beads previously sleeved on Evolve antenna leads have been removed.
- 2) Liberty PX antenna fitted with Emerald \*61 transceiver electronics and digital accessories attached is added as fifth member of Evolve antenna family. This system was previously FCC approved under FCC ID: DO4EMRLDPX; but, version 2.79 firmware is now installed on Emerald \*61 electronics. Digital accessories include one or two CheckPro VisiPlus modules.
- 3) A paired pedestal configuration of all Evolve antennas in which both identical pedestals (but with Emerald \*61 on both configured as Master, Submaster in software) are powered from one external 24 Vdc power supply is evaluated as the Equipment Under Test, instead of a single pedestal powered from its external power supply during original certification. Each pedestal refers to an Evolve antenna with Emerald \*61 transceiver electronics fitted, and one A1057 DC Line filter. A 6-8 foot, AWG 16 cable runs between the DC Line filter on pedestal pairs whereas the external power supply's 24 Vdc output is wired to one of the DC line filters. External power supplies tested with the antennas are documented in the test report
- 4) Version 2.79 firmware is installed on Emerald \*61 transceiver electronics on all Evolve antennas, instead of version 0.69 firmware in originally certified system.
- 5) On Emerald \*61 electronics end of CheckPro VisiPlus cable pair attached to the Liberty PX antenna, Fair Rite P/N 0443806406 (3 turns) is installed.
- 6) Fair-Rite P/N 2861-000-202 is installed on Emerald \*61 end of LED inhibit and LED 24 vdc power cable leads for Evolve G10, and G20. Also, Fair Rite P/N B64290-L618-X35 installed on either ends of badge board cable for Evolve G10, G20, P20, and Liberty PX antennas. Other ferrite modifications on individual Evolve antennas are documented in the test report.

Please consider these changes in respect of the Class II Permissive Change application for the EVOLVE antenna family models P10, P20, G10, G20 and Liberty PX w/Emerald/WiFi/VisiPlus.

Thank you.

Thorofare, NJ, date 17 Dec 2007  
Place of Issue

  
Seal and signature of applicant