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Application Cover Letter

September 20, 2017

FCC ID:2AM72-BAPX-BT2

Grantee Code Registration Number: GC930997

To whom it may concern,

The following application and supporting documentation is being submitted for the purpose of an Original FCC Certification under 15.247 for the APx models listed below when equipped with an Audio Precision "Bluetooth DUO" (Azul 2) Bluetooth module:

Manufacture : Audio Precision Inc.

Radio Type: Audio Precision nomenclature "Bluetooth DUO" - (Azul 2):  
Blue tooth module v 4.2

The APx series is a family of test and measurement equipment which is used in R&D and professional production environments for the purpose of measuring audio performance characteristics via wired connections. When configured with the Azul 2 module the APx can make the same audio performance measurements of unwired devices over a Bluetooth link - providing Source and Sink functions.

The APx Platform consists of a common chassis, rear panel, front panel bezel, upper and lower covers, internal vertical and horizontal metal partitions, backplane assembly and power supply that can be configured by the installation of individual modules into the 8 available front panel locations. By choosing the combination of modules the APx can accommodate 2 to 16 Audio Input channels and 2 to 8 Audio Generator channels, 2 channels of digital audio I/O and Bluetooth I/O for connection to the EUT. The internal modules and the power supply of the APx are filtered, decoupled, separated, partitioned and shielded to prevent interference between the modules. The specific model numbers of the APx series are based on the number of Output and Input channels. The APx modules are not functional on a standalone basis or in equipment other than the APx. In order to be functional the modules must be installed in the APx chassis using APx control Software.

Model Numbers	Audio Output Channels	Audio Input Channels
APx 525	2	2
APx 526	2	4
APx 582	2	8
APx 585	8	8
APx 586	8	16
APx 555	2 (High Performance)	2 (High Performance)

The Azul 2 Bluetooth module consists of a single 3 x 8 inch multilayer Pcb with 2 isolated layers of 360 degree RF shielding. The first layer of RF shielding covers the RX/TX active circuitry, the output filter, and the I/O ports. The second layer of RF shielding covers the first layer of shielding and the complete PCB assembly. Connections to and from the Antenna ports are made with double shielded coaxial cable with SMA bulkhead and cable terminations.

The attached supporting technical reports have been generated by Element Materials Technology, 22975 NW Evergreen Parkway Suite 400, Hillsboro Oregon 97124

Sincerely,



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