

Bastille

Federal Communications Commission
Office of Engineering & Technology
Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046

May 1, 2024

SUBJECT: FCC Application for 2AIJ5-SENSOR3

To Whom It May Concern:

Bastille Networks is providing this attestation letter regarding a permissive change under its existing equipment authorization. This change in the device software removes the blocking mechanism for Cellular Radiotelephone Service (“CRS”) (47 C.F.R. Part 22) frequencies described in 47 C.F.R. § 15.121(a) and the related attenuation requirement in section 15.121(b), and now allows the device’s detection window to measure the received signal power level of CRS frequencies. Because Bastille’s equipment operates as measurement “test equipment” under the exception in section 15.121(c) of the Commission’s rules, this software update is a permissive change.

We declare that Bastille’s measurement equipment is marketed as “test equipment” pursuant to section 15.121(c), to be deployed within a security solution for passively measuring CRS power levels above the noise floor, akin to a spectrum analyzer waterfall graph, an RF power meter or wattmeter test equipment. The device features a detection window with a maximum instantaneous bandwidth of 56 MHz for specific measurements taken at a granularity of 180 kHz. The measurements of interest in any CRS detection window are power levels above the noise floor, and the detection window has no capabilities to decode measured signals and is incapable of decrypting and/or converting digital cellular communication transmissions to analog voice audio.

Furthermore, this measurement equipment is incapable of receiving and operating (demodulating signals), or readily being altered by the users to receive and operate (demodulate signals), within the frequency bands allocated to the CRS. The device cannot eavesdrop on any monitored channels for Cellular Radiotelephone Service under Part 22 (H). This passive measurement device will not be able to receive and demodulate transmissions in the CRS bands by means of clipping the leads of, or installing, a simple component such as a diode, resistor or jumper wire; replacing a plug-in semiconductor chip; or programming a semiconductor chip using special access codes or an external device, such as a personal computer.

This measurement equipment is designed so that the tuning, control and filtering circuitry is inaccessible to users or administrators. Any attempts to modify the equipment to receive or decode transmissions from the CRS frequencies will render the equipment inoperable.

Finally, we are aware that any further software modification of this device, beyond the current modification in this attestation to measure the receive signal power levels from CRS frequencies, will be considered to constitute manufacture of such equipment. This includes any individual, individuals, entity or organization that modifies one or more of the devices. Any modification to receive or demodulate transmissions from the CRS frequency bands voids the certification of this measurement equipment, regardless of the date of manufacture of the original unit.

Regards,



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