



America

Certification Exhibit

FCC ID: CD2-NQSERPAIR01

FCC Rule Part: 47 CFR Part 2.1091

TÜV SÜD Project Number: 0721009645

**Manufacturer: Bogen Communications LLC
Model: Nyquist NQ-SERPAIR**

RF Exposure

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General Information:

Applicant: Bogen Communications LLC
Environment: General Population/Uncontrolled Exposure
Exposure Conditions: Mobile

Purpose:

The purpose of this document is the RF exposure evaluation of the Bogen Communications LLC's model Nyquist NQ-SERPAIR in accordance with FCC 47 CFR Part 2.1091.

Description:

The EUT is a 5V CAN BUS powered NFC Antenna / transceiver operating at 13.56 MHz. It will be used to pair a BT handheld microphone to a Bluetooth Receiver in a Classroom/Lecture hall.

Technical Information:

13.56 MHz NFC Radio

Minimum Test Separation Distance: 200 mm
Highest Operating Frequency: 13.56 MHz
Antenna Type: Differential Magnetic 3 coils/loops PCB / 4mm x 6.5mm
Antenna Gain: N/A
Maximum Transmitter Field Strength: 71.4 dBuV/m
Maximum Transmitter Field Strength: 0.00372 V/m
Measurement Distance: 3 m
Maximum Transmitter EIRP: -23.82879 dBm
Maximum Transmitter EIRP: 0.0041412 mW
Exposure Condition: Body

Exemption from Routine Environmental Evaluation

Exemption Criteria: 47 CFR 1.1307(b)(3)(i)(A)
Exemption Limit: 1.0 mW
Maximum Output Power: 0.00414 mW
Exempted: **Yes**

Conclusion

Exemption from Routine Environmental Evaluation applies.