

Guangzhou SOUTH Surveying & Mapping Instrument Co., Ltd.
Room 301 South Building, No.24-26 Keyun Road, Tian He District, Guangzhou, China

Date: November 08, 2017

Office of Engineering and Technology
Laboratory Division
Equipment Authorization Branch
Federal Communications Commission Laboratory
7435 Oakland Mills Road
Columbia, MD 21046

Subject: Narrowband Requirement for **FCC ID: 2ADPC-SDL400**

Dear Sir or Madam;

We, **Guangzhou SOUTH Surveying & Mapping Instrument Co., Ltd.** declares that the Digital radio meets 47CFR Section 90.203(j)(4) and 90.203(j)(5) spectrum efficiency requirement;

This Digital radio is support both 12.5 KHz and 25 KHz for GMSK (digital modulation; Emission Designator:7K65G1D for data / 15K9G1D for data modes, also this Digital radio designed in accordance with ETSI TS 102 361-1 requirement, will at least support 9600 bits per second in a 12.5 KHz channel bandwidth in a 12.5 KHz channel bandwidth and 19200 bits per second in a 25 KHz channel bandwidth, GMSK will refer 2 time slots in one 12.5 KHz bandwidth and refer 4 time slots in one 25 KHz bandwidth accordance to ETSI ETS 102 361-1, which equal with $9600/2 = 4800$ and $19200/4 = 4800$ bits per second in one 6.25 KHz channel bandwidth;

We, **Guangzhou SOUTH Surveying & Mapping Instrument Co., Ltd.** declares that the Digital radio capable of operating on the nationwide public safety interoperability calling channel (453.2125 MHz), meets 47CFR Section 90.203(j)(1) requirement;

Sincerely,

Shu Sheng Wen

(Signed)

Name/Title: Shusheng Wen / Manager

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