



Theory of Operation/Technical Description – FCC ID: 2AJAANSHURSK; IC: 21761-NSHURSK

- RF circuit function:

S83D modules are based on the IA9Q5

The major part of this IC is a 5.8GHz, GFSK transceiver..

- RF signal flow:

The Audio signal is encoded into a Data Stream to be the modulation input for the 5.8GHz,
5.8GHz transceiver.

- Description of Antenna system (Baluns, Multiplexers)

The multiplexer is internal built, and is without external BALUN, the antenna is PCB type antenna

- Show compliance with 15.203 antenna requirements:

PCB trace, component and PCB antenna is not changeable by end user.

- Description of all modulation schemes used in the product:

GFSK

- Operating voltage:

BAT MIN: 3.0V

BAT MAX: 3.6V

- Operating temperature:

MIN: -20°C

MAX: +55°C

Sincerely,

Peter Pan Electric Engineer

Dongguan Meiloon Acoustic Equipments Co., Ltd.