



Hopping Protocols Declaration

26/11/15

RE: FCC Hopping Protocols Declaration
FCC ID: NQ8ND7507

To Whom It May Concern:

Bluetooth devices operate in the unlicensed 2.4 GHz ISM (Industrial Scientific Medical) band. A frequency hopping transceiver is used to combat interference and fading. The BT system operates in the 2.4 GHz ISM band at 2400-2483.5 MHz. The BT system uses 79 RF channels. These RF channels have centre frequencies.

The ND7506 incorporates the BCM20705 Bluetooth Chipset from Broadcom which supports Pseudo Random and Adaptive channel Frequency Hopping Spread Spectrum at a rate of 1600 hops per second across 79 channels as per the Bluetooth Specification. The modulation types are 8-DPSK, GFSK, PSK, P/4-DQPSK. Enhanced Data-rates up to 3Mb/s are supported.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Jonathan Pridgeon", written over a horizontal line.

Jonathan Pridgeon
Senior HW Design Engineer
Pace Plc