



RE: Trimble Navigation
FCC ID: JUP-48480-SNB900

1) In the frequency hopping algorithm explanation the operational description states, "When it does not have data to send, it outputs nothing." Does this indicate that the transmitter does not transmit on any frequency or does it transmit a CW signal with no data? The later would not be allowed. Please explain.

Response:

The radio operates in a frequency-hopping, time slotted mode. In a particular time slot, if a radio has no data to transmit, it will not transmit on any frequency. At no time does the radio ever transmit a CW signal.

2) Please provide a sample of the pseudo-random hopping sequence.

Response:

The pseudo-random generator is made up of a three-stage maximal-length generator combined with a seven-stage maximal-length sequence generator. The output sequence repeats after 15748 symbols. The output of this generator is modded to provide a frequency out of the choice of 50 frequencies.

The first 128 are: (modulus 50 to get frequencies number 0-49)

2080 16656 34824 20804 27170 3345 16840 10340 17714 2201 33036 36934 37411
21073 19048 2420 8506 33885 12462 9815 34027 27152 3336 16836
10274 17681 2248 33124 36914 37401 21004 19014 2339 8529 33896 12532 9786
34013 28846 11863 9707 17589 26842 27152 3336 16836 10274 17681
2248 33124 36914 37401 21004 19014 2339 8529 33896 12532 9786 34013 28846
11863 9707 17589 26842 27152 3336 16836 10274 17681 2248 33124
36914 37401 21004 19014 2339 8529 33896 12532 9786 34013 28846 11863 9707
17589 26842 27152 3336 16836 10274 17681 2248 33124 36914 37401
21004 19014 2339 8529 33896 12532 9786 34013 28846 11863 9707 17589 26842
27152 3336 16836 10274 17681 2248 33124 36914 37401 21004 19014
2339 8529 33896 12532 9786 34013 28846 11863

3) Please provide the name of the technical contact person on the 731.

Response: We have uploaded a modified 731 form

Regards,

Mark Briggs
Vice President of Engineering