Frequency Hopping Algorithm

When the reader accepts a command, a frequency is selected from a pseudo-random list of 50 frequencies. The reader interrogates transponders using this frequency for 50 msec. If at the end of 50 msec there are unread transponders in the field, the reader hops to the next frequency on the pseudo-random list and continues to interrogate transponders. This process continues until all of the transponders have been read. When the next command is received the reader selects the next frequency on the list. All 50 frequencies will be used before the first frequency is used again. The following is the pseudo random frequency list.

914.75 Mhz
920.25 Mhz
925.75 Mhz
909.25 Mhz
920.75 Mhz
907.25 Mhz
922.25 Mhz
927.25 Mhz
919.75 Mhz
906.25 Mhz
911.75 Mhz
903.75 Mhz
909.75 Mhz
917.25 Mhz
925.25 Mhz
912.25 Mhz
906.75 Mhz
917.75 Mhz
907.75 Mhz
902.75 Mhz
914.25 Mhz
924.25 Mhz
919.25 Mhz
908.25 Mhz
903.25 Mhz
910.25 Mhz
916.75 Mhz
924.75 Mhz
918.25 Mhz
923.25 Mhz
916.25 Mhz
910.75 Mhz
904.25 Mhz
913.75 Mhz
921.75 Mhz
926.75 Mhz

915.75 Mhz
911.25 Mhz
904.75 Mhz
915.25 Mhz
905.75 Mhz
921.25 Mhz
926.25 Mhz
918.75 Mhz
912.75 Mhz
923.75 Mhz
905.25 Mhz
913.25 Mhz
922.75 Mhz
908.75 Mhz