

## 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