Date	

Each transponder uses two different interrogation frequencies from a set of eight. As a result, codes 11, 22 etc. are not available, and there are 56 unique interrogation codes. However, there are only sixteen reply frequencies, dependent on the second digit of the code, and the odd or even status of the first digit. The first matrix shows the eight interrogation frequencies and sixteen reply frequencies. The second matrix shows the frequency pairs for each interrogation code. Use the third matrix to ensure that there is no overlap of reply frequencies.

Code.	Int.	Reply odd	Reply even
1	21000	28750	28500
2	21500	29250	29000
3	22000	29750	29500
4	22500	30250	30000
5	23000	30750	30500
6	23500	27250	27000
7	24000	27750	27500
8	24500	28250	28000

Code.	1	2	3	4	5	6	7	8
1		21500 21000	22000 21000	22500 21000	23000 21000	23500 21000	24000 21000	24500 21000
2	21000 21500		22000 21500	22500 21500	23000 21500	23500 21500	24000 21500	24500 21500
3	21000 22000	21500 22000		22500 22000	23000 22000	23500 22000	24000 22000	24500 22000
4	21000 22500	21500 22500	22000 22500		23000 22500	23500 22500	24000 22500	24500 22500
5	21000 23000	21500 23000	22000 23000	22500 23000		23500 23000	24000 23000	24500 23000
6	21000 23500	21500 23500	22000 23500	22500 23500	23000 23500		24000 23500	24500 23500
7	21000 24000	21500 24000	22000 24000	22500 24000	23000 24000	23500 24000		24500 24000
8	21000 24500	21500 24500	22000 24500	22500 24500	23000 24500	23500 24500	24000 24500	

Usage - only one transponder in each box - ensures a unique reply frequency

1st digit	2nd digit 1	2	3	4	5	6	7	8
1,3,5,7								
2,4,6,8								