

```
1 using System;
2 using System.Collections;
3 using System.Collections.Generic;
4 using Impinj.OctaneSdk;
5
6 namespace TG2_RFID
7 {
8     public class Antenna
9     {
10         /// <summary>
11         /// Holds the source reader for this Antenna.
12         /// </summary>
13         protected ImpinjReader srcReader;
14
15         /// <summary>
16         /// Holds the port number of this Antenna.
17         /// </summary>
18         protected ushort srcAntennaPortNumber;
19
20         /// <summary>
21         /// Setter for the source reader for this antenna.
22         /// </summary>
23         /// <param name="newReader">New reader.</param>
24         public void SetReader(ImpinjReader newReader)
25         {
26             srcReader = newReader;
27         }
28
29         /// <summary>
30         /// Setter for the antenna port number.
31         /// </summary>
32         /// <param name="newAntennaPortNumber">New antenna port number.</param>
33         public void SetAntennaPortNumber(ushort newAntennaPortNumber)
34         {
35             srcAntennaPortNumber = newAntennaPortNumber;
36         }
37
38         /// <summary>
39         /// Getter for this antenna source reader.
40         /// </summary>
41         public ImpinjReader GetReader()
42         {
43             return srcReader;
44         }
45
46         /// <summary>
47         /// Getter for this antenna port number.
48         /// </summary>
49         public ushort GetAntennaPortNumber()
50         {
51             return srcAntennaPortNumber;
52         }
53
54         public Antenna()
55         {
56             srcReader = null;
```

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57         srcAntennaPortNumber = 255;
58     }
59
60     /// <summary>
61     /// Constructor given the antenna reader and antenna port name.
62     /// </summary>
63     /// <param name="reader">Reader.</param>
64     /// <param name="antennaPortName">Antenna port name.</param>
65     public Antenna(ImpinjReader reader, ushort antennaPortName)
66     {
67         srcReader = reader;
68         srcAntennaPortNumber = antennaPortName;
69     }
70 }
71 }
72
```