

## **Leonardo's Operational Description**

### **General information:**

<b>Item</b>	<b>LEONARDO transmitter</b>
<b>Frequency</b>	<b>433.92 MHz</b>
<b>Rated RF power</b>	<b>20 mW</b>
<b>Modulation</b>	<b>Pulse width modulation</b>
<b>Type of antenna</b>	<b>Printed coil</b>
<b>Power supply</b>	<b>12 VDC external adapter</b>
<b>Function</b>	<b>Remote transmissions. Activates the executive mechanical devices in the training-game system according with program commands.</b>

### **Schematic description:**

The transmitter schematic is based on the transistor MBTH10 (Q2) which uses SAW- resonator X1 at work frequency 433.92 MHz.

The modulation is provided by microchip 68hc705kj1 which uses oscillator Y1 at 4 MHz.