

# Technical Specification: Tractive GPS Tracker

## Overview

The Tractive GPS Pet Tracking Device is a small tracking unit supposed to be attached to an animal (e.g. dog, cat, others) to track and report the position of the pet. It contains a GPS unit for positioning, and a GSM/GPRS module (with built-in SIM card, small QFN8 form factor) to report the determined position to Tractive's backend servers via mobile network (GSM quad-band).

## Technical Specification

<b>Product</b>	Tractive GPS Pet Tracker
Article #	TRATR1
Model	IC00220
<b>Dimensions</b>	
Weight	35 g (1.2 oz)
Size	51 x 41 x 15 mm (2.0 x 1.6 x 0.6 in)
<b>Certifications</b>	
FCC ID	WM4728
CE	CE 1313
IC	8194A-728
C-Tick	
<b>Wireless Modules</b>	
<b>GSM</b>	
Frequency Band	850 / 900 / 1800 / 1900 MHz
Transmitter Frequency	EGSM900: 880-915 MHz DCS1800: 1710-1785 MHz

	GSM-850: 824.2-848.8 MHz GSM-1900: 1850.2-1909.8 MHz
Receiver Frequency	EGSM900: 925-960 MHz DCS1800: 1805-880 MHz GSM-850: 869-894 MHz GSM-1900: 1930-1990 MHz
RF Output Power	EGSM900: 33 dBm DCS1800: 30 dBm GSM-850: 0.741 W (ERP) GSM-1900: 0.468 W (EIRP)
Modulation Type	GSM/DCS: GMSK
<b>GPS</b>	
Receiver Frequency	1.575 GHz
Modulation Type	BPSK

**Block Diagram**

Block Diagram

