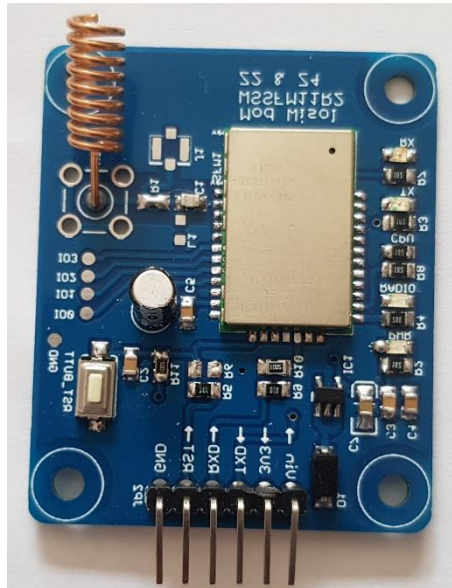# BREAKOUT TST

*Figure 1. **BREAKOUT***

BREAKOUT TST is a multipurpose card that is easy to integrate into different types of devices, for Internet of Things (IOT) projects, based on SigFox communication technology.

For connection, it can be powered with 3.3V or 5V, and responds to AT commands.

Table 1. General characteristics

Dimensions	• **50 mm height x 45mm wide.**
Operating temperature	• -30oC to 85oC
Input Vcc	• **External battery lipo, External 3.7 Vdc** • **Auxiliary input +3.3 Vdc or +5 Vdc**
Sigfox FCC **Zone 2 and 4**	• Output *power*: 22 dBm
	• Rx *sensitivity :*-124dBm
	• Uplink frequencies:902.2 MHz and 920.8 MHz
External interface	
Serial/UART port	• AT commands available
Communications	• 3dBm helical antenna, optional SMA connector for external antenna, optional pads for SMD ceramic chip antenna.
Consumption	Module SigFox • Tx SigFox-170mA • Rx Sigfox 32mA • Sleep SigFox 2.5mA