

Sigfox France SAS
425 rue Jean Rostand Labège 31670 France

Theory of Operation/Technical Description – FCC ID: 2AXTE-ST580

Product name: Sigfox Tracker, Model name: ST-580 ATC6.

- RF circuit function:

The product are based on the WSG309S modules.

The major part of this IC is a Bluetooth dual mode compliant transceiver. The NFC function of this product is only passive tag, without active transmission function. BLE and Sigfox do not support simultaneous transmission.

- Description of all modulation schemes used in the product:

Item	EUT information
Operating Frequency	Sigfox: 902.1375 MHz ~ 904.6625 MHz BLE: 2402 MHz ~ 2480 MHz
Channel Spacing	Sigfox: 25 kHz BLE: 2 MHz
Channel number	Sigfox: 54 BLE: 40
Data Rate	BLE: 1Mbps
Operation Voltage	3.6Vdc
Modulation	Sigfox: DBPSK BLE: GFSK
Maximum Output Power (mW)	Sigfox: 23.23 BLE: 3.94



Ray Tsai
Title: Director

Signature: