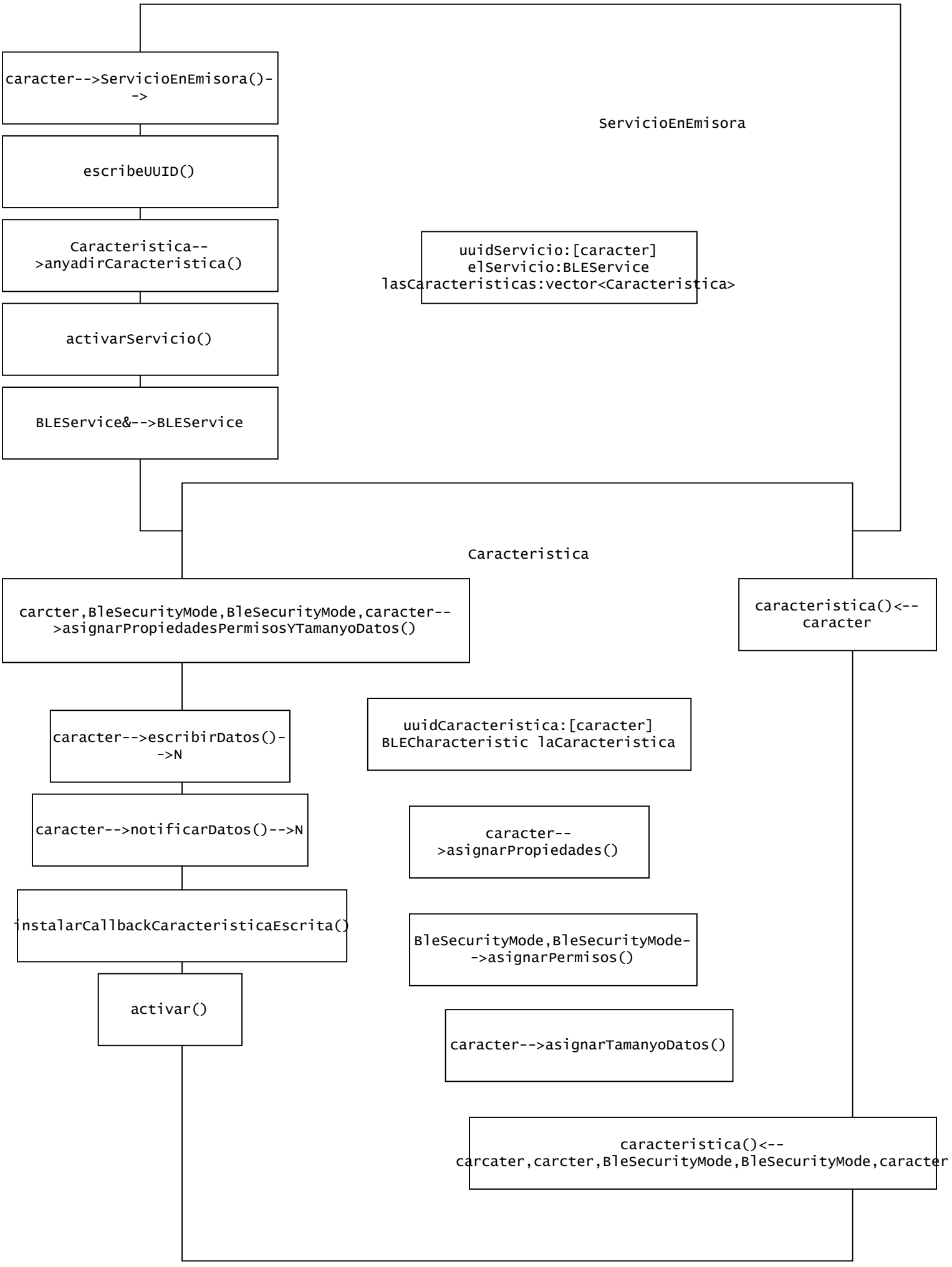
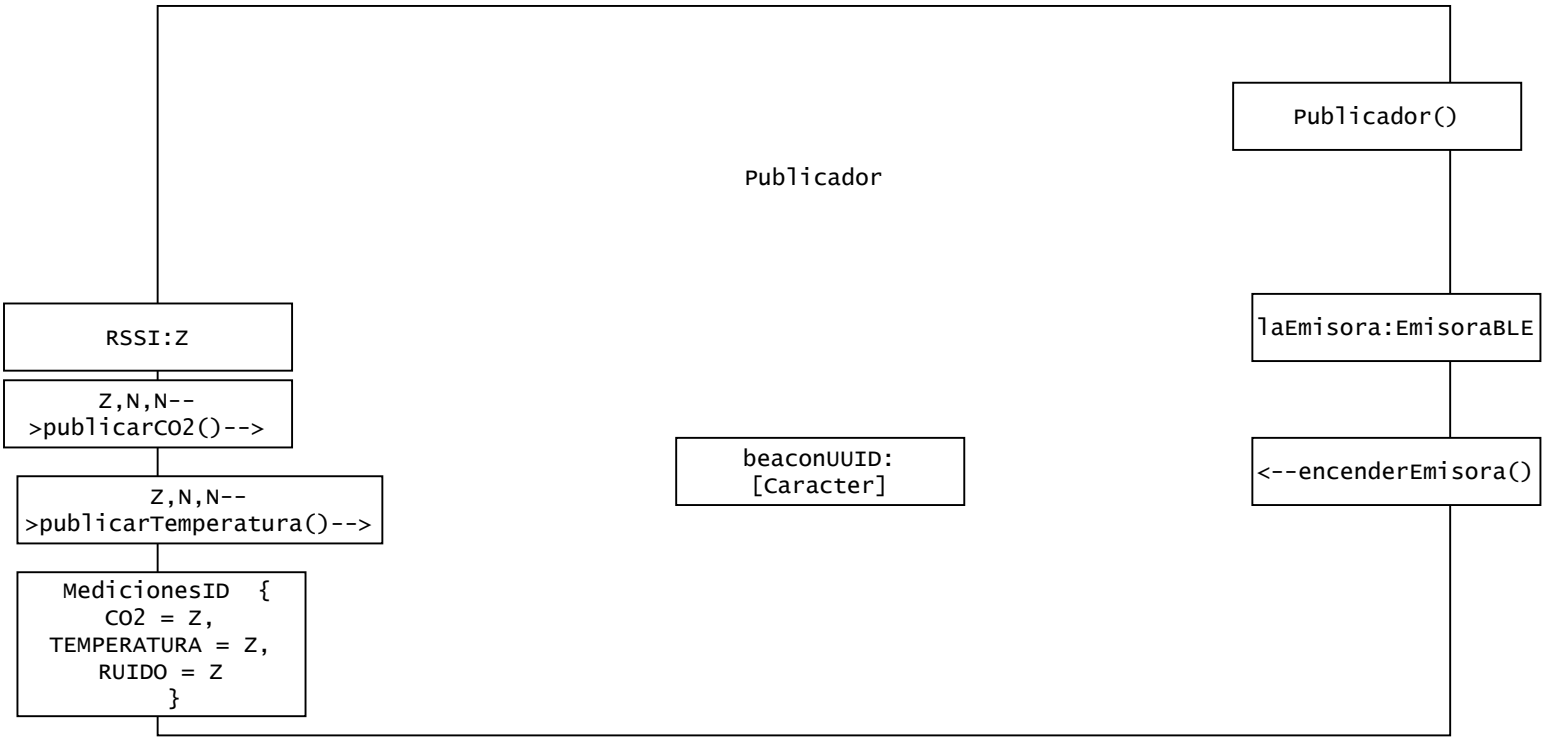
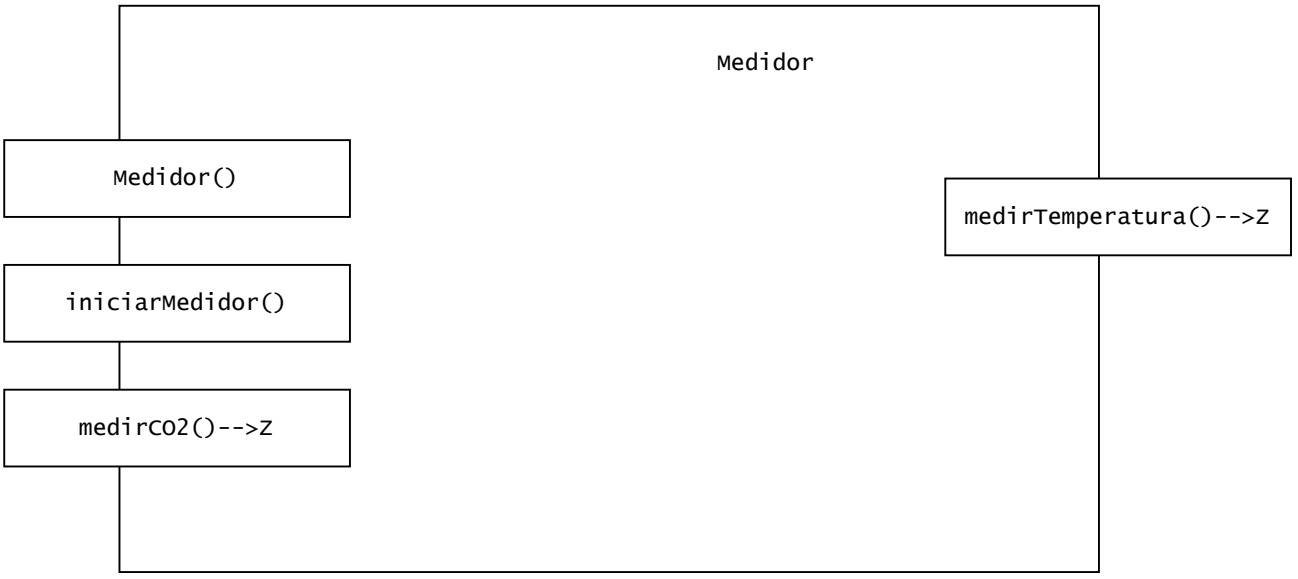
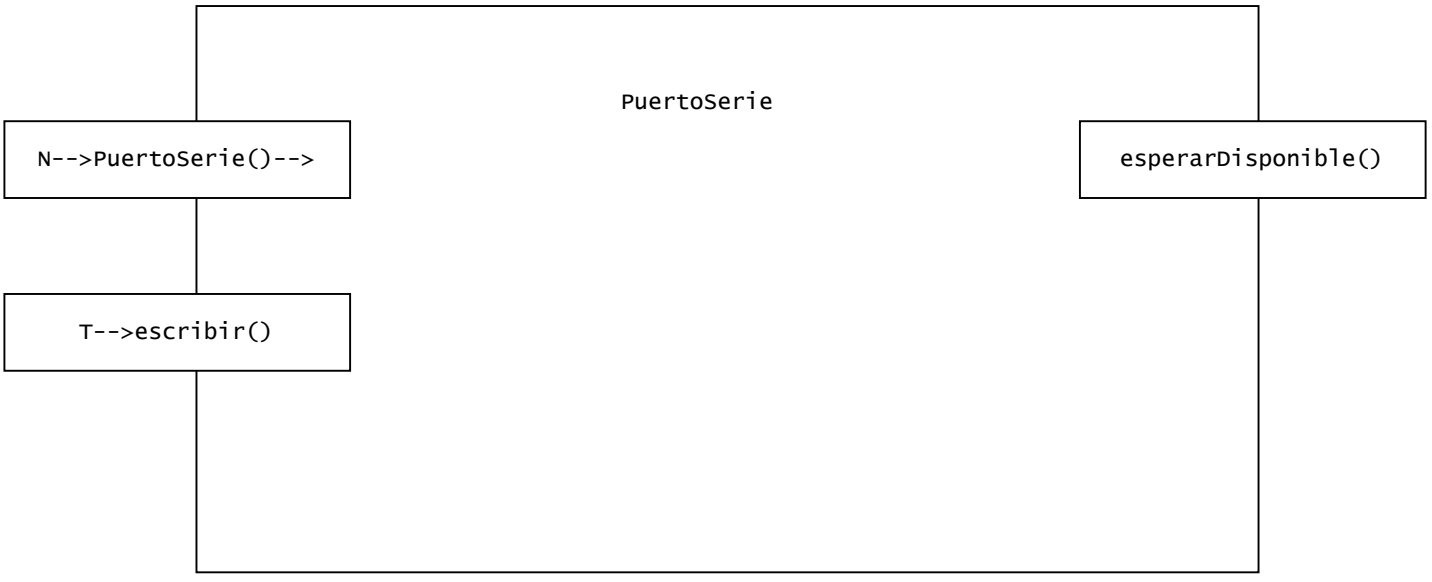
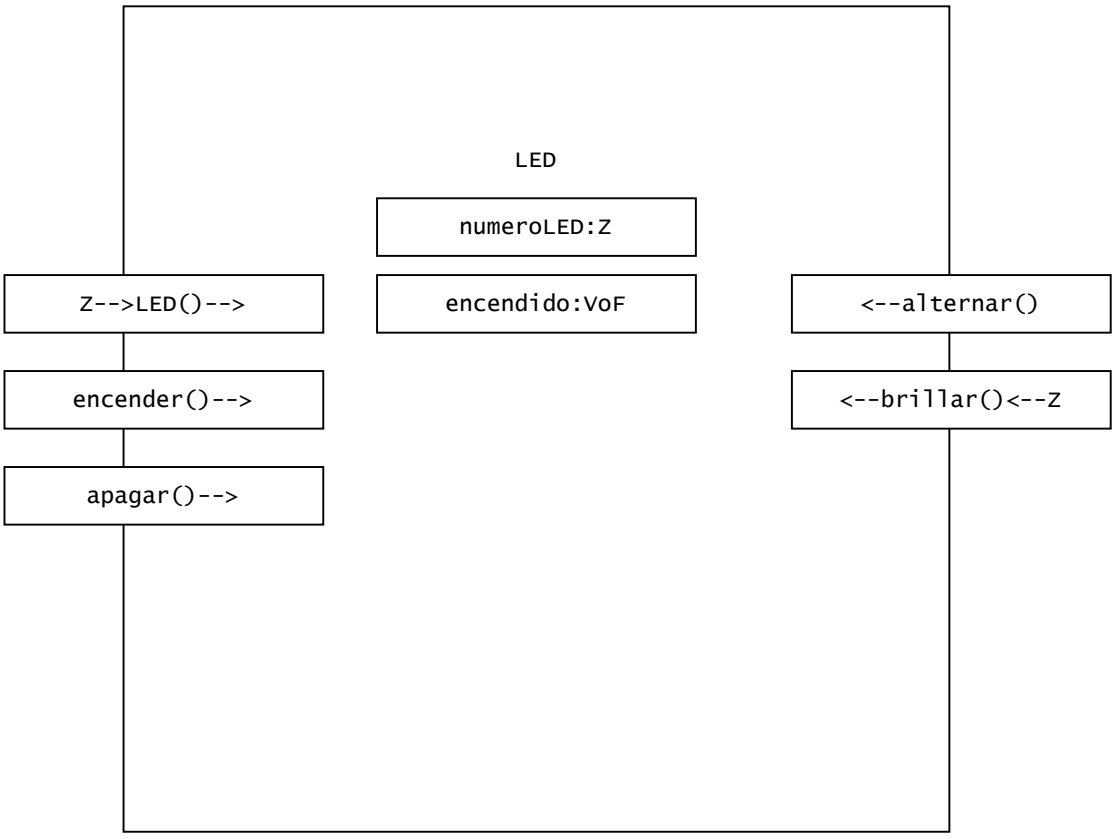
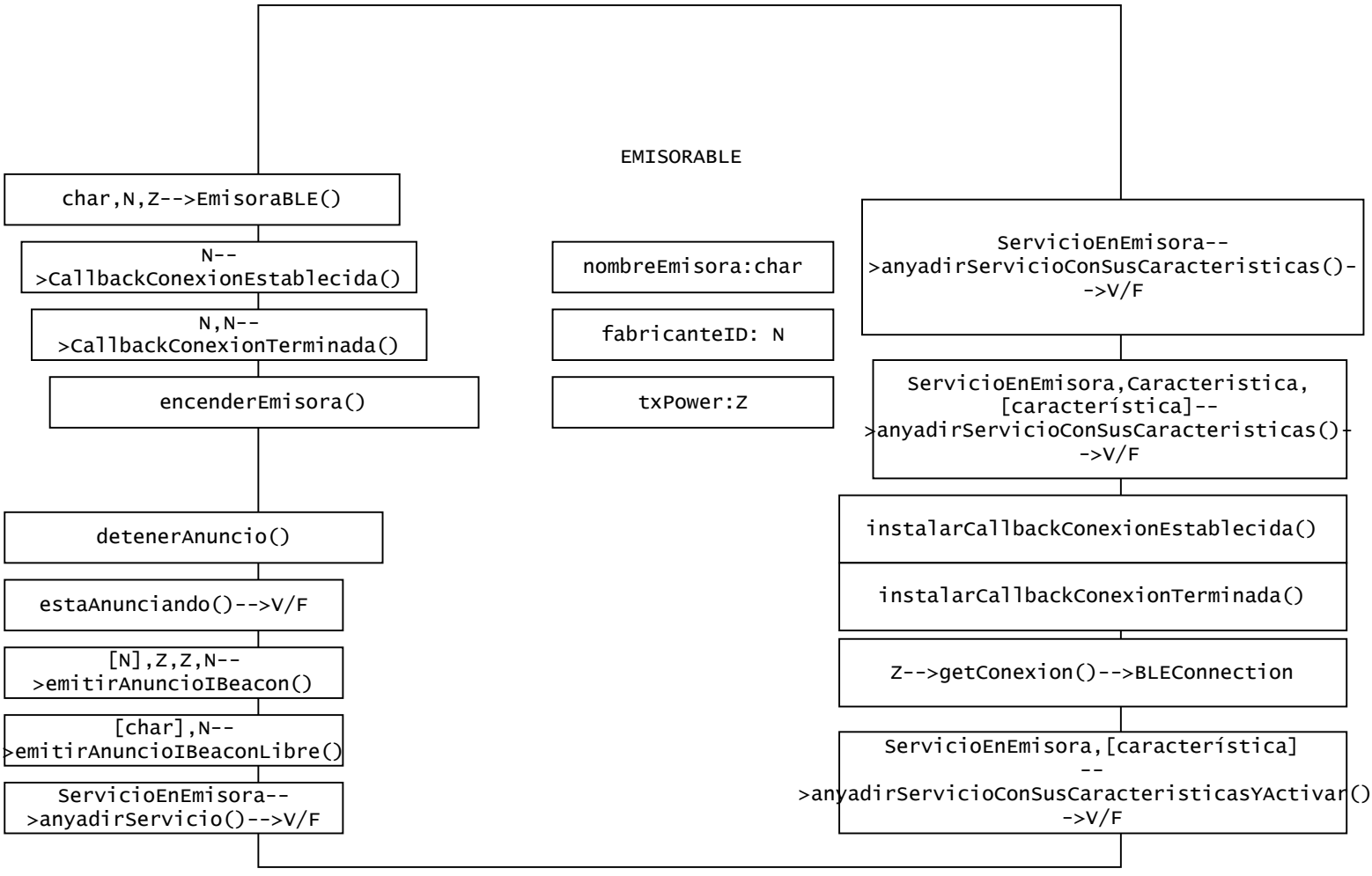

ServicioEnEmisora
uuidServicio:[caracter]
elServicio:BLEService
lasCaracteristicas:vector<Caracteristica>
caracter-->ServicioEnEmisora()-->
escribeUUID()
Caracteristica-->anyadirCaracteristica()
activarServicio()
BLEService&-->BLEService
Caracteristica
caracteristica()<--caracter
carcter,BleSecurityMode,BleSecurityMode,caracter-->asignarPropiedadesPermisosYTamanyoDatos()
uuidCaracteristica:[caracter]
BLECharacteristic laCaracteristica
caracter-->escribirDatos()-->N
caracter-->notificarDatos()-->N
caracter-->asignarPropiedades()
instalarCallbackCaracteristicaEscrita()
BleSecurityMode,BleSecurityMode-->asignarPermisos()
activar()
caracter-->asignarTamanyoDatos()
caracteristica()<--carcater,carcter,BleSecurityMode,BleSecurityMode,caracter


Publicador
Publicador()
laEmisora:EmisoraBLE
<--encenderEmisora()
beaconUUID:
[Caracter]
RSSI:Z
Z,N,N-->publicarCO2()-->
Z,N,N-->publicarTemperatura()-->
MedicionesID {
CO2 = Z,
TEMPERATURA = Z,
RUIDO = Z
}


Medidor
Medidor()
iniciarMedidor()
medirCO2()-->Z
medirTemperatura()-->Z


PuertoSerie
N-->PuertoSerie()-->
T-->escribir()
esperarDisponible()


LED
numeroLED:Z
Z-->LED()-->
encendido:VoF
<--alternar()
encender()-->
<--brillar()<--Z
apagar()-->


EMISORABLE
char,N,Z-->EmisoraBLE()
N-->CallbackConexionEstablecida()
N,N-->CallbackConexionTerminada()
encenderEmisora()
nombreEmisora:char
fabricanteID: N
txPower:Z
ServicioEnEmisora-->anyadirServicioConSusCaracteristicas()-->V/F
ServicioEnEmisora,Caracteristica,[característica]-->anyadirServicioConSusCaracteristicas()-->V/F
detenerAnuncio()
estaAnunciando()-->V/F
[N],Z,Z,N-->emitirAnuncioIBeacon()
[char],N-->emitirAnuncioIBeaconLibre()
ServicioEnEmisora-->anyadirServicio()-->V/F
instalarCallbackConexionEstablecida()
instalarCallbackConexionTerminada()
Z-->getConexion()-->BLEConnection
ServicioEnEmisora,[característica]-->anyadirServicioConSusCaracteristicasYActivar()-->V/F