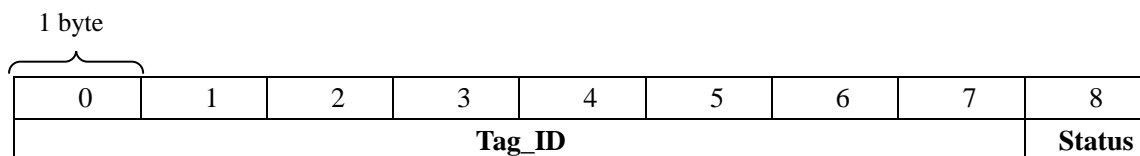


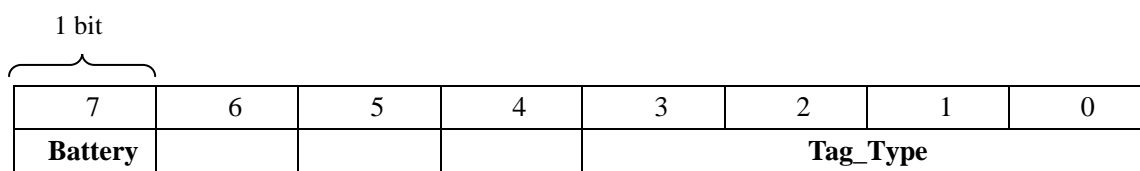
GAO 2.4GHz Active Tag Reading Record Structure

1) General Tag Reading Record Structure (9 bytes)



Tag_ID: Tag ID (8 bytes).

Status: Status of the Tag (1 byte). See the figure below

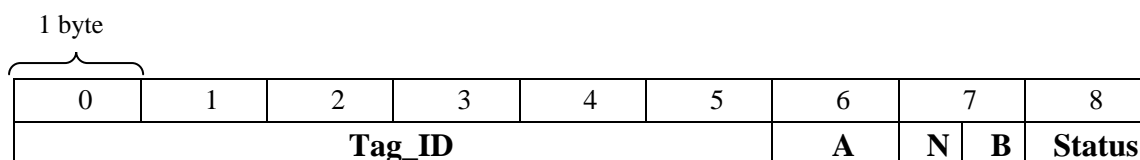


Battery: Battery Power Level (1 bit). 1, Battery Sufficient; 0, Battery Insufficient

Tag_Type: Type of the Tag (4 bits). See the table below

Configurable Card Tag	0000
Configurable Strip Tag	0001
Temperature Tag	0010
Vibration Tag	0011
Wristband Tag	0101
Beaconing Tag	0110
Key-fob Tag	0100

2) Temperature Tag Reading Record Structure (9 bytes)



Tag_ID: Tag ID (6 bytes).

A: Temperature Integer Part (1 byte).

N: Temperature Sign (4 bits). 0000, positive; 0001, negative

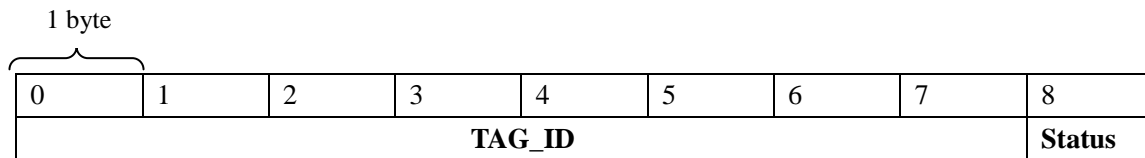
B: Temperature Decimal Fraction Part (4 bits).

Status: Same as in section 1

Examples: See the table below

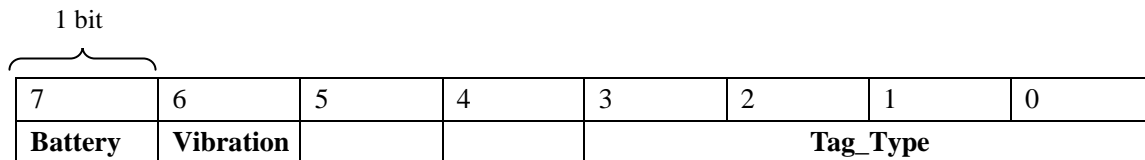
byte[6]	byte[7]	Temperature Value
0x20	0x00	32 °C
0x20	0x10	-32 °C
0x20	0x01	32.1 °C
0x20	0x11	-32.1 °C

3) Vibration Tag Reading Record Structure (9 bytes)



Tag_ID: Tag ID (8 bytes).

Status: Status of the Tag (1 byte). See the figure below

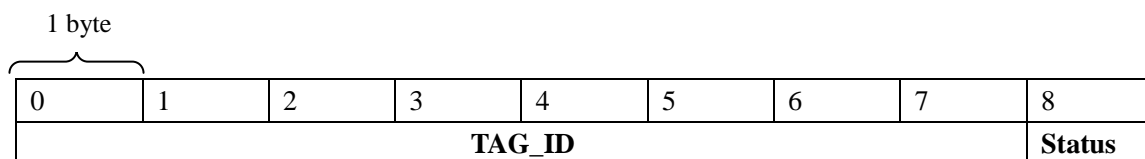


Battery: Battery Power Level (1 bit). 1, Battery Sufficient; 0, Battery Insufficient

Vibration: Vibration Signal (1 bit). 1, Vibrating; 0, Not Vibrating

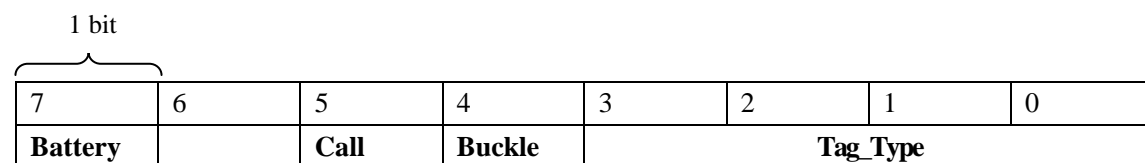
Tag_Type: Type of the Tag (4 bits). 0011 for Vibration Tags

4) Wristband Tag Reading Record Structure (9 bytes)



Tag_ID: Tag ID (8 bytes).

Status: Status of the Tag (1 byte). See the figure below



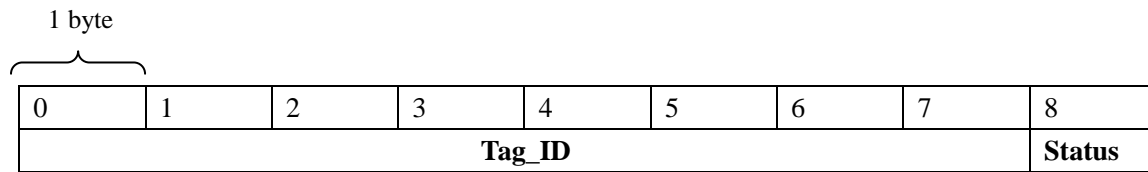
Battery: Battery Power Level (1 bit). 1, Battery Sufficient; 0, Battery Insufficient

Call: Call Button Status (1 bit). 1, Button Pressed; 0, Button Not Pressed

Buckle: Buckle Status (1 bit). 1, Open; 0, Connected

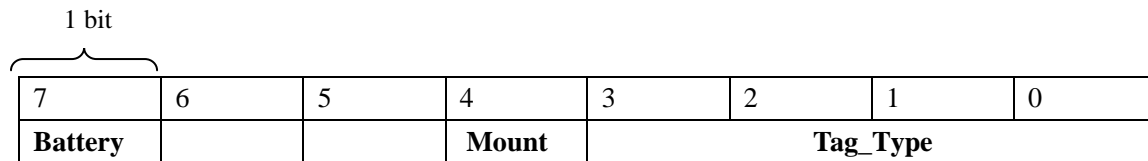
Tag_Type: Type of the Tag (4 bits). 0101 for Wristband Tags

5) Beaconing Tag Reading Record Structure (9 bytes)



Tag_ID: Tag ID (8 bytes).

Status: Status of the Tag (1 byte). See the figure below

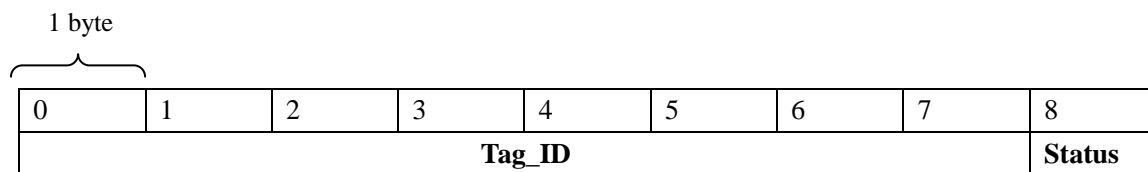


Battery: Battery Power Level (1 bit). 1, Battery Sufficient; 0, Battery Insufficient

Mount: Mount Status of the Tag (1 bit). 1, Un-Mounted; 0, Mounted

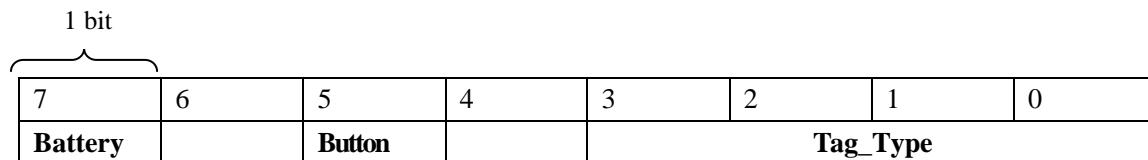
Tag_Type: Type of the Tag (4 bits). 0110 for Beaconing Tags

6) Key-fob Tag Reading Record Structure (9 bytes)



Tag_ID: Tag ID (8 bytes).

Status: Status of the Tag (1 byte). See the figure below



Battery: Battery Power Level (1 bit). 1, Battery Sufficient; 0, Battery Insufficient

Button: Button Status of the Tag (1 bit). 1, Pressed; 0, Not Pressed

Tag_Type: Type of the Tag (4 bits). 0100 for Key-fob Tags