

Req No.	Obj No.	Requirement
1	1	Device shall comply with IEEE 802.11 communication standard
2	1	Device shall use an open source positioning system over Wi-Fi
3	1	Device shall communicate with a mobile application
4	2	Device shall adhere to surfaces that meet SPI standards A-3, B-1, B-2, B-3, C-1, C-2, C-3 for molded plastic with Velcro® pads
5	4	Device shall contain an attached LED light that conforms to ANSI C82.16-2015 standard
6	1	Device shall include a mobile application
7	3	Mobile application shall be usable on a mobile device running Android 4.4 or newer
8	3	Mobile application shall email the user provided email address when battery voltage drops below 80% of factory listed voltage
9	3	Mobile application shall allow the user to configure a visual alarm for an input date and time
10	3	Mobile application shall allow the user to configure an audible tone of at least 60dB for an input date and time
11	3	Mobile application shall allow the user to configure the LED light to turn on for an input date and time
12	3	Mobile application shall allow the user to see location information for the device
13	3	Mobile application shall allow the user to define a custom name for the device
14	3	Mobile application shall store user defined email
15	3	Mobile application shall store user defined wi-fi network credentials
16	5	Device shall provide the user access to the battery through a folding panel
17	5	Device shall accept a replacement battery of the same form factor
18	6	Device shall function in temperatures above 32...°F
19	6	Device shall function in temperatures not exceeding 150°F
20	6	Device shall function if exposed to 8 fl oz of water
21	6	Device shall function following a 3 ft exposure to unaccelerated gravity