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BUTTONBOARD
SpecSheet

PRODUCT NUMBER
- AF3300

SOFTWARE
- Various application modes selectable
- Colors, press durations, wakeup reasons, piezo volume and other features adjustable
- Configuration through Bluetooth (free App) and LoRa Downlink
- Customizable Firmware: on request

USER INTERFACE:
- Changeable front view paper
- 6 User-, 1 BLE- and 1 Reset-Button
- 6 RGB LED rings
- Piezo
- Vibration motor

BLUETOOTH
- Bluetooth Low Energy 5.0
- Device Configuration over Bluetooth
- Firmware Over the Air (FOTA)

TEMPERATURE SENSOR
- Resolution: 12 Bit
- +/- 2° C

LORA
- SX1276 Semtech
- Supported Frequency: 868 MHz
- Adaptive Data Rate (ADR) supported
- Unique Device-EUI (IEEE range)
- LoRaWAN v1.0.3 Class A

APPLICATIONS
- Reorder
- Office and home automation
- Facility services
- Hoteling
- Healthcare
- Other

MCU
- BLUENRG-2
- FLASH: 256kB
- RAM: 24kB
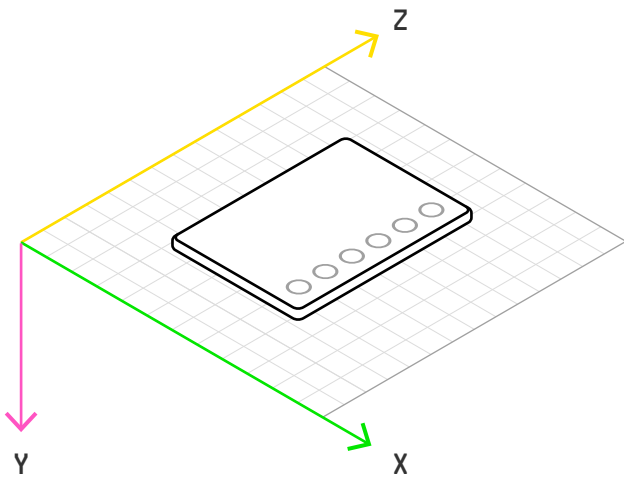- Clock: 32MHz and 32.768kHz

ACCELEROMETER
- Low Power Accelerometer
- Selectable Full Scale: +/- 2g, +/- 4g, +/- 8g, +/- 16g
- Data Rate: 1.6 – 1600Hz
- Resolution: 14 Bit
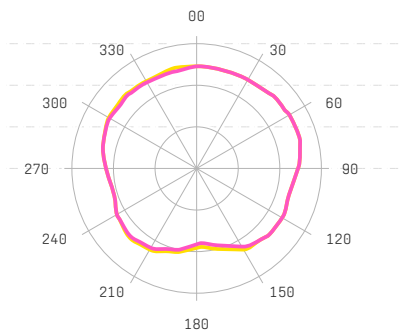
OPERATION TEMPERATURE
- 5 to 35°C

POWER SUPPLY
- 3V CP405050 Battery (2400mAh)
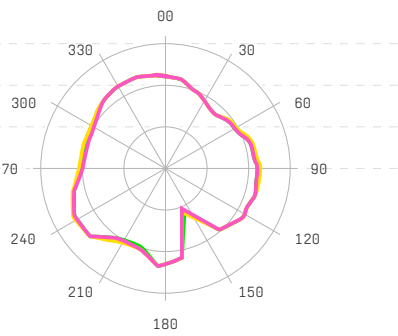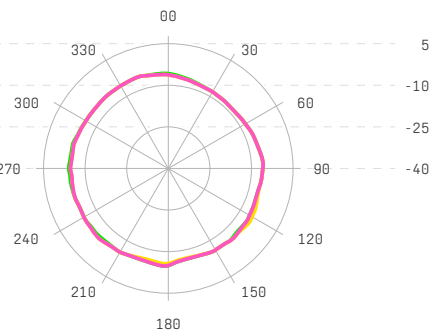- Standby-Current: < 15uA
- Runtime 4 years (12 uplinks per day)

Antenna performance

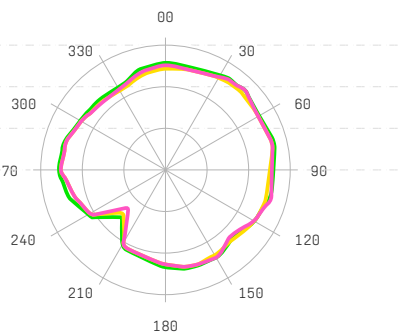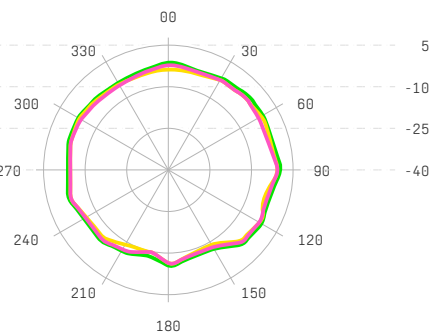XY   XZ   YZ

```
        00                              00                              00
   330       30                    330       30                    330       30   5
 300           60              300           60              300           60    -10
                                                                                 -25
270              90          270              90          270              90   -40
 240          120              240          120              240          120
   210      150                  210      150                  210      150
        180                          180                          180
```

860MHZ ———   868MHZ ———   870MHZ ———

LoRa

XY   XZ   YZ

```
        00                              00                              00
   330       30                    330       30                    330       30   5
 300           60              300           60              300           60    -10
                                                                                 -25
270              90          270              90          270              90   -40
 240          120              240          120              240          120
   210      150                  210      150                  210      150
        180                          180                          180
```
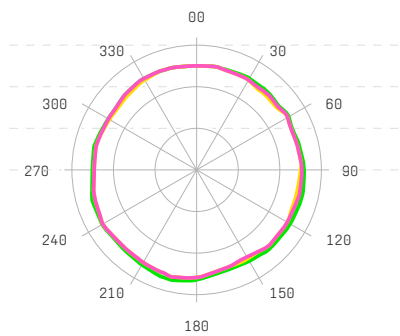
2.4 GHz ———   2.45 GHz ———   2.5 GHz ———

Bluetooth

SIZE

Dimension: 100×162×9 mm
Six illuminated buttons

Use a simple sheet of paper to cover
and describe up to six illuminated buttons,
which are positioned at the right edge of
the device.
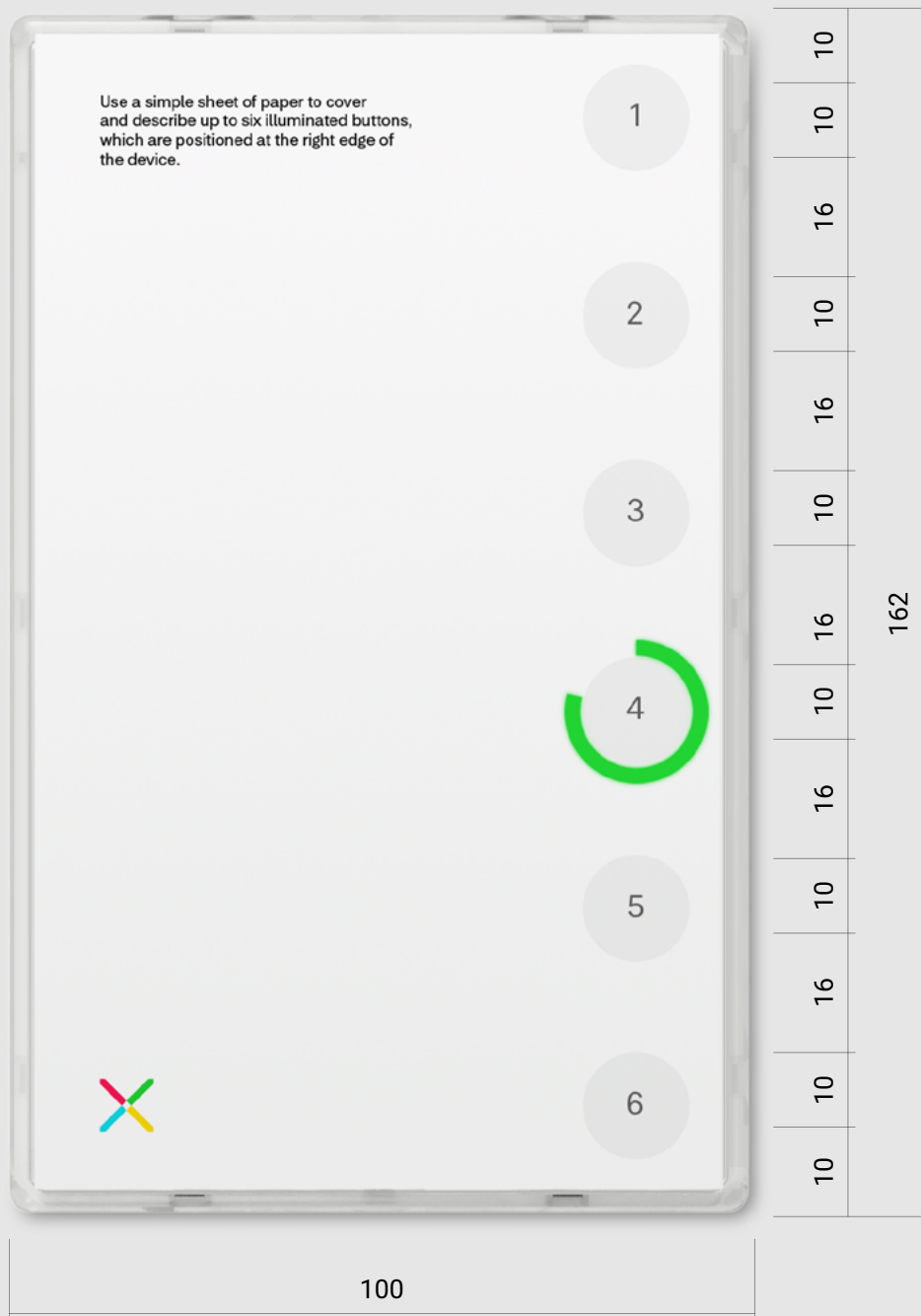
SIZE

Dimension Inlay: 90×152 mm

R=14

11

26

26

26

26

26

26

11

152

79   11

90