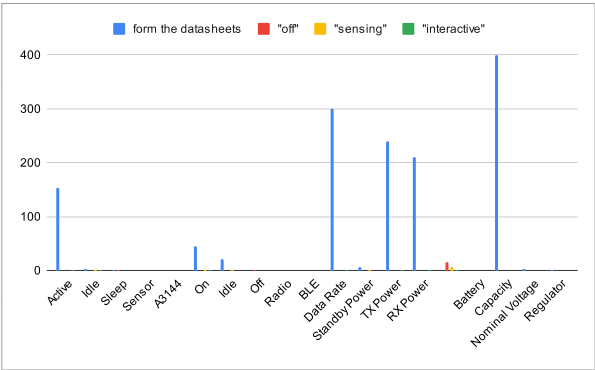


System Parameters (defined by hardware)		Profiles (usage of each component mode - defined by software and usage)		
form the datasheets		"off"	"sensing"	"interactive"
<b>Processor</b>				
ESP32C3				
Active	154 mW	0%	5%	75%
Idle	3 mW	0%	90%	20%
Sleep	1 mW	100%	5%	5%
<b>Sensor</b>				
A3144				
On	45 mW	0%	15%	100%
Idle	21 mW	0%	85%	0%
Off	0 mW	100%	0%	0%
<b>Radio</b>				
BLE				
Data Rate	300 bps	0%	0%	100%
Standby Power	7 mW	0%	100%	0%
TX Power	240 mW	0%	0%	65%
RX Power	210 mW	0%	0%	35%
<b>Battery</b>				
Capacity	400 mAh			
Nominal Voltage	3 V			
Regulator Efficiency	99%			
		16	7	1 hours/day typical usage

REFLECTIONS : WHAT DID YOU LEARN FROM ANALYZING YOUR POWER. TALK ABOUT SOME POTENTIAL TRADEOFFS.



Total power in profile (mw)		Maximum Time
"off"	0.99 mW	1200.0 hours
"sensing"	41.2385 mW	28.8 hours
"interactive"	690.739 mW	1.7 hours

Effective Battery Capacity  
1188.0198 mW\*h

Days of Use	1.19 days
Hours of Use	28.65 hours