

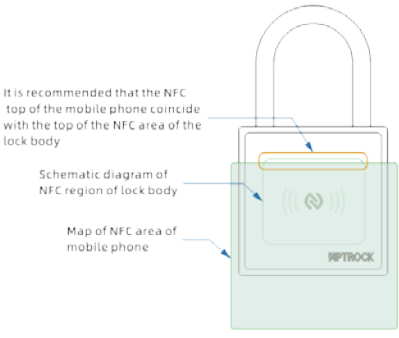
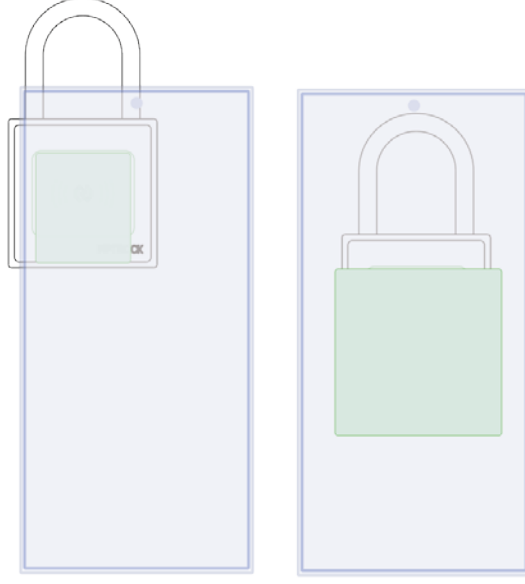
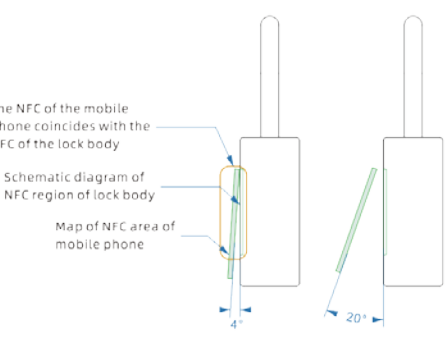



## APTROCK Manual 2024V01\_how to find the NFC area in your phone

### Operation samples

\*NFC area marked with green color

#### Samsung Series (Android):

 <p>It is recommended that the NFC top of the mobile phone coincide with the top of the NFC area of the lock body</p> <p>Schematic diagram of NFC region of lock body</p> <p>Map of NFC area of mobile phone</p> <p>On the front side, the NFC area of the mobile phone is recommended to coincide with the top position of the NFC area of the lock body. After our testing, most mobile phones can obtain a better operating experience in this position.</p>	 <p>Galaxy S24 Ultra The right side</p> <p>Galaxy S23 Ultra The right side</p> <p>Front view NFC area and lock NFC area position diagram</p>
 <p>The NFC of the mobile phone coincides with the NFC of the lock body</p> <p>Schematic diagram of NFC region of lock body</p> <p>Map of NFC area of mobile phone</p> <p>In the side view, the NFC area of the mobile phone is recommended to travel at a certain Angle with the NFC area of the lock body (as shown in the figure). According to the difference of the mobile phone and the mobile phone case, the Angle Angle can be slowly increased or decreased when unlocking to find the best unlocking position. A few mobile phones may also need to have a certain distance from the lock body, such as the iPhone 11 Pro, the top needs to be about 0.5cm away from the lock body. Please find the best area according to your phone for a good unlock experience.</p>	 <p>Galaxy S24 Ultra Side placement plan</p> <p>Galaxy S24 Ultra Oblique side placement diagram</p> <p>Side view Position diagram of NFC area and lock NFC area of mobile phone</p>



iPhone Series:

Diagram showing front view of lock body and phone NFC alignment. Includes text: 'The NFC of the mobile phone coincides with the NFC of the lock body', 'Schematic diagram of NFC region of lock body', 'Map of NFC area of mobile phone'. Below is a paragraph explaining the alignment process and suggesting the top of the phone to coincide with the top of the lock body's NFC area.

Diagram of iPhone 16 Pro on the right side of the lock body. Includes caption: 'iPhone 16 Pro The right side'.

Diagram showing side view of lock body and phone NFC alignment at different angles. Includes text: 'The NFC of the mobile phone coincides with the NFC of the lock body', 'Schematic diagram of NFC region of lock body', 'Map of NFC area of mobile phone'. Below is a paragraph explaining the recommended angle (4° and 20°) and the need to find the best unlocking position.

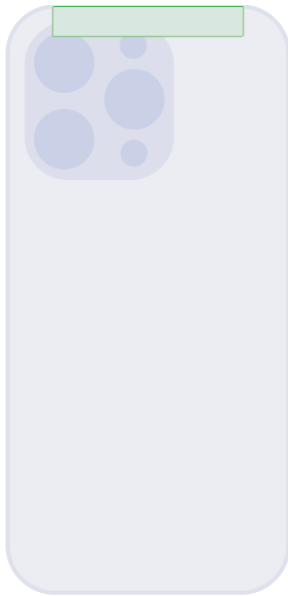
Diagrams showing side placement plan and large side tilt + distance diagram for iPhone 16 Pro. Includes captions: 'iPhone 16 Pro Side placement plan' and 'iPhone 16 Pro Large side tilt + distance diagram'.



## **Where is your NFC antenna located**

### iPhone NFC antenna:

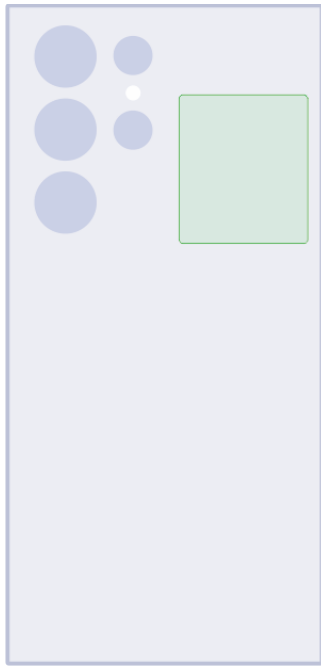
Since the iPhone officially does not mark the NFC antenna area, according to the disassembly and actual testing, in general, the NFC area of each generation of iPhone series is the on the top of the body, and the NFC area of the top of the phone can be slightly adjusted.



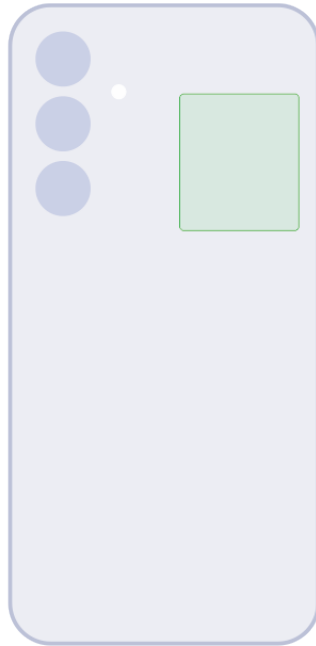
iPhone 16 Pro



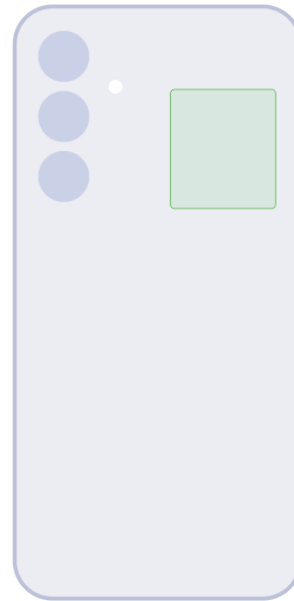
Samsung S24 series antenna located:



Galaxy S24 Ultra



Galaxy S24+

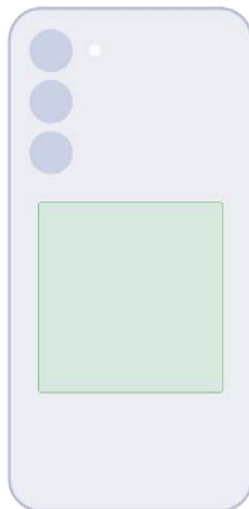


Galaxy S24

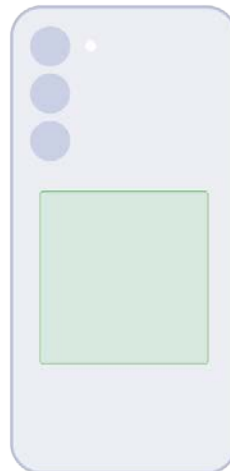
Samsung S23 series antenna position:



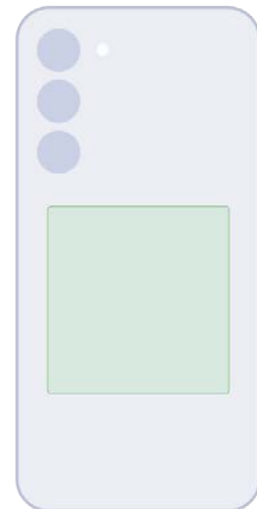
Galaxy S23 Ultra



Galaxy S23+



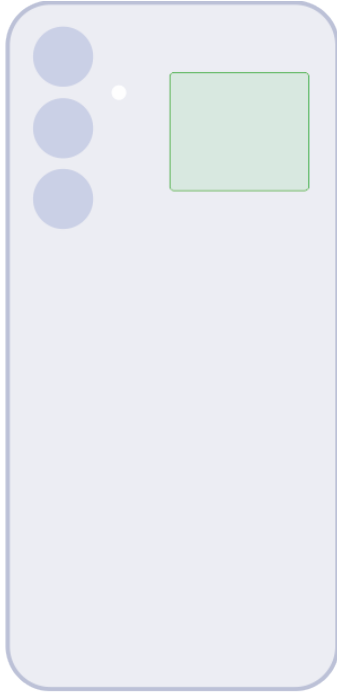
Galaxy S23



Galaxy S23 FE



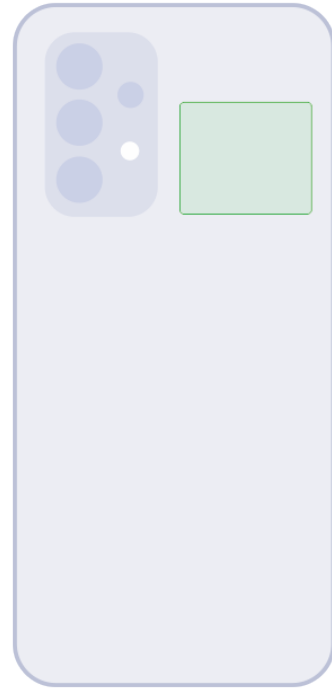
Samsung A55, A54, A53 antenna located:



Galaxy A55

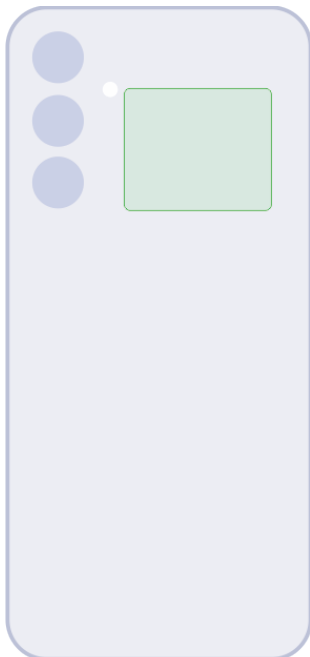


Galaxy A54



Galaxy A53

Samsung C55 antenna position:



Galaxy C55



There are so many Android models, and it is impossible to mark the NFC area of all mobile phones. If the above legend does not include your mobile phone, you can search for the NFC area of the corresponding mobile phone model and try to align it to find the unlocking area. After several times lock-unlock attempt, sure you can get the best experience.

If your phone does not respond to unlocking, please check:

1. Whether the phone supports NFC
2. Set whether the internal NFC switch is enabled

If you still have problem on opening the lock, please contact us, we are glad help you.

Welcome to contact us for any questions.

Contact us: [support@4quad.com](mailto:support@4quad.com)

