The Reason why Hiding SSIDs Does NOTHING for Security

It only hides the name, not the traffic

Beacons will show with the expected BSSID and SSID set to a wildcard value (any)

```
> Fixed parameters (12 bytes)
∨ Tagged parameters (340 bytes)
   ∨ Tag: SSID parameter set: Wildcard SSID
        Tag Number: SSID parameter set (0)
        Tag length: 0
```

Other frames still show the name

Probe Requests/Reponses and Association Requests show the name in the "SSID parameter set" tag.
One association from a client reveals the name

Transmitter	Receiver	Frame Type	SSID
MyPhone	Broadcast	Probe Request	"HidingSSIDTest"
APwithHiddenSSID	MyPhone	Probe Response	"HidingSSIDTest"
MyPhone	APwithHiddenSSID	Association Request	"HidingSSIDTest"
APwithHiddenSSID	MyPhone	Association Response	