

Contact Information:

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Inquiry Details on 05/24/2018:

First category: RF Exposure *
Second category: SAR (RF Exposure)
Third category:
Subject: POS SAR test
Inquiry: There is a Smart POS terminal support WWAN and WLAN wireless transmission. Only one antenna support WWAN TX and WLAN TX respectively. The antenna location please check attachment "Interna and external photos " Our test method please check attachment "SAR setup photos"

We can used this method test SAR for this product? If not, please give some advices.

FCC Response on 05/29/2018:

Thank you for your inquiry.

Your proposal seems acceptable. However, we need some clarification.

1. It appears the back side is not touching the phantom. Is the gap between the back side and phantom 0 mm?
2. Please consider simultaneous transmission of the two transmit (TX antennas) namely, WWLAN TX Antenna and BT/WIFI Antenna. Does the BT/WIFI Antenna transmit both BT and WIFI at the same time? All simultaneous transmissions need to be considered.

---Reply from Customer on 05/30/2018---

Thank you for your reply.

1: For the back side, the gap between back side and phantom is 0 mm, because of the structure of the EUT, the EUT feet or bumper can touching the phantom, so it looks like there is a gap between the back side and phantom.

In normal use, this gap also exist for human body or hand.

2. This EUT have only one antenna for WWAN(TX) ?and another antenna for WLAN/BT, WLAN and BT used same antenna, can't transmit at same time. Only WWAN can transmit with WLAN or BT at same time, I will consider this condition.

FCC Response on 05/30/2018:

Thank you for your response.

Yes, please consider the simultaneous transmission WWLAN + Wi-Fi or WWLAN + BT. No reply necessary. You may proceed.