

Appendix D. SAR Test Setup Photos

Head Exposure Condition



Right Cheek, Test Separation 0 mm



Right Tilted, Test Separation 0 mm



Left Cheek, Test Separation 0 mm



Left Tilted, Test Separation 0 mm

Hotspot Exposure Condition



Front, Test Separation 10 mm



Back, Test Separation 10 mm



Left Side, Test Separation 10 mm



Right Side, Test Separation 10 mm



Top Side, Test Separation 10 mm



Bottom Side, Test Separation 10 mm

Body-worn Exposure Condition



Front, Test Separation 15 mm



Back, Test Separation 15 mm

Sensor off



Front, Test Separation 16 mm



Back, Test Separation 27 mm



Back, Test Separation 18 mm



Back, Test Separation 28 mm

Product Specific 10g SAR



Front, Test Separation 0 mm



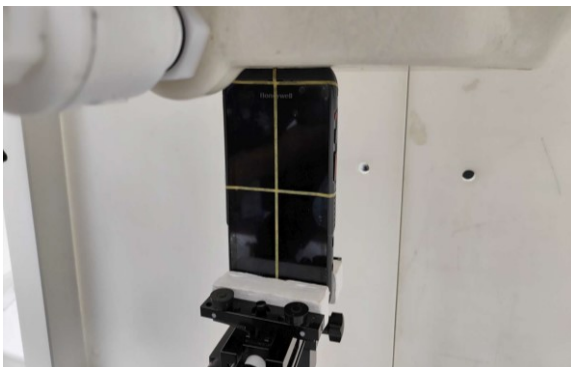
Back, Test Separation 0 mm



Left Side, Test Separation 0 mm



Right Side, Test Separation 0 mm



Top Side, Test Separation 0 mm



Bottom Side, Test Separation 0 mm

Sensor off



Front, Test Separation 9 mm



Back, Test Separation 27 mm



Back, Test Separation 28 mm



Back, Test Separation 18 mm



Left Side, Test Separation 15 mm



Left Side, Test Separation 13 mm

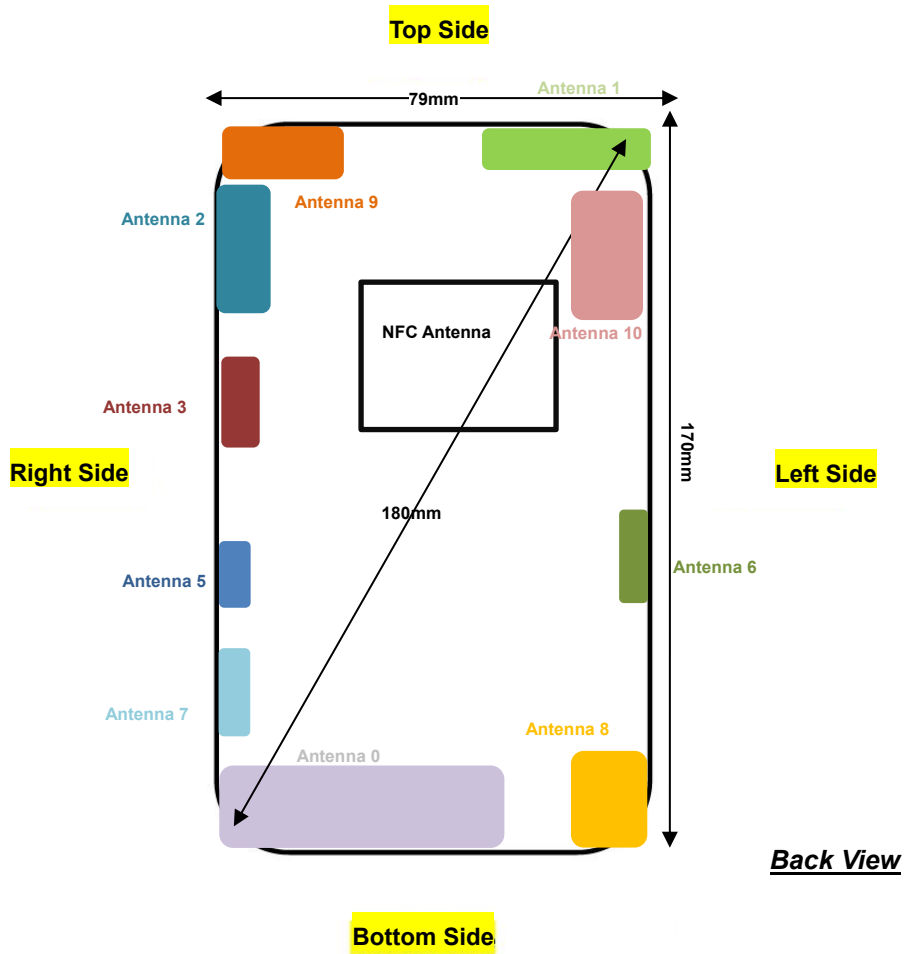


Bottom Side, Test Separation 22 mm



Right Side, Test Separation 14 mm

Antenna Location



Antenna	Support Band
Antenna 0	GSM: 850/1900<TX/RX> UMTS: B2/4/5<TX/RX> LTE: B2/4/5/7/12/13/14/17/25/26/30/66/71/38/41<TX/RX> 5G NR: n2/5/12/14/25/30/66/71<TX/RX>
Antenna 1	GSM: 850/1900<TX/RX> UMTS: B2/4/5<TX/RX> LTE: B2/4/5/12/13/14/17/25/26/30/66/71<TX/RX> 5G NR: n2/5/12/14/25/30/66/71<TX/RX>
Antenna 2	LTE: B2/30/66<TX/RX> 5G NR: n38/41/48/77/78<RX>
Antenna 3	5G NR: n48/77/78<RX>
Antenna 5	LTE: B7<TX/RX> 5G NR: n7/38/41<TX/RX>
Antenna 6	LTE: B7<TX/RX> 5G NR: n41<TX/RX> 5G NR: n38 <RX>
Antenna 7	LTE: B48<TX/RX> 5G NR: n48/n77/78<TX/RX>
Antenna 8	LTE: B42/43/48<TX/RX> 5G NR: n48/n77/78<TX/RX> 5G NR: n38/n41<RX>
Antenna 9	WLAN 2.4GHz<TX/RX> WLAN 5GHz/6GHz<TX/RX> Bluetooth<TX/RX>
Antenna 10	WLAN 2.4GHz<TX/RX> WLAN 5GHz/6GHz<TX/RX>
NFC Antenna	NFC<TX/RX>

Note:

1. LTE Band 2/30/66 ant 2, LTE B48 ant7 was limited to EN-DC combination only.
2. LTE Band 7 ant 5/6 was limited to CA combination only.
3. 5GNR n38 at Ant 2/6/8, n41 Ant 2/8 and n48/n77&n78 Ant 2/3 supports SRS (Sounding Reference Signal) functionality.

Distance of the Antenna to the EUT surface/edge						
Antennas	Back	Front	Top Side	Bottom Side	Right Side	Left Side
Antenna 0	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	≤ 25mm	≤ 25mm
Antenna 1	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm
Antenna 2	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm
Antenna 3	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm	>25mm
Antenna 5	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm	>25mm
Antenna 6	≤ 25mm	≤ 25mm	>25mm	>25mm	>25mm	≤ 25mm
Antenna 7	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	≤ 25mm	>25mm
Antenna 8	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm	≤ 25mm
Antenna 9	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm
Antenna 10	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm
NFC Antenna	>25mm	>25mm	>25mm	>25mm	>25mm	≤ 25mm

Positions for SAR tests; Hotspot mode						
Antennas	Back	Front	Top Side	Bottom Side	Right Side	Left Side
Antenna 0	Yes	Yes	No	Yes	Yes	Yes
Antenna 1	Yes	Yes	Yes	No	No	Yes
Antenna 2	Yes	Yes	Yes	No	Yes	No
Antenna 3	Yes	Yes	No	No	Yes	No
Antenna 5	Yes	Yes	No	No	Yes	No
Antenna 6	Yes	Yes	No	No	No	Yes
Antenna 7	Yes	Yes	No	Yes	Yes	No
Antenna 8	Yes	Yes	No	Yes	No	Yes
Antenna 9	Yes	Yes	Yes	No	Yes	No
Antenna 10	Yes	Yes	Yes	No	No	Yes
NFC Antenna	No	No	No	No	No	Yes

General Note:

- Referring to KDB 941225 D06 v02r01, when the overall device length and width are $\geq 9\text{cm} \times 5\text{cm}$, the test distance is 10 mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge