

Appendix D. SAR Test Setup Photos

Head Exposure Condition



Right Cheek, Test Separation 0 mm



Right Tilted, Test Separation 0 mm

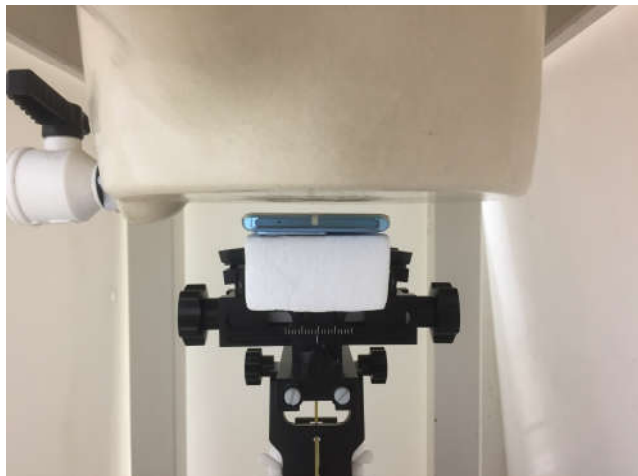


Left Cheek, Test Separation 0 mm



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

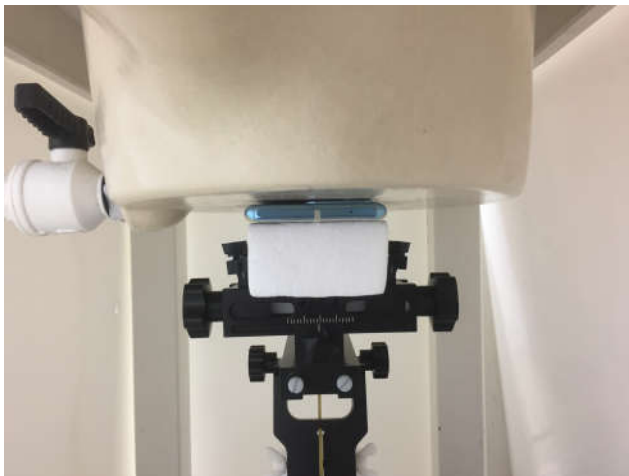


Back, Test Separation 15 mm

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

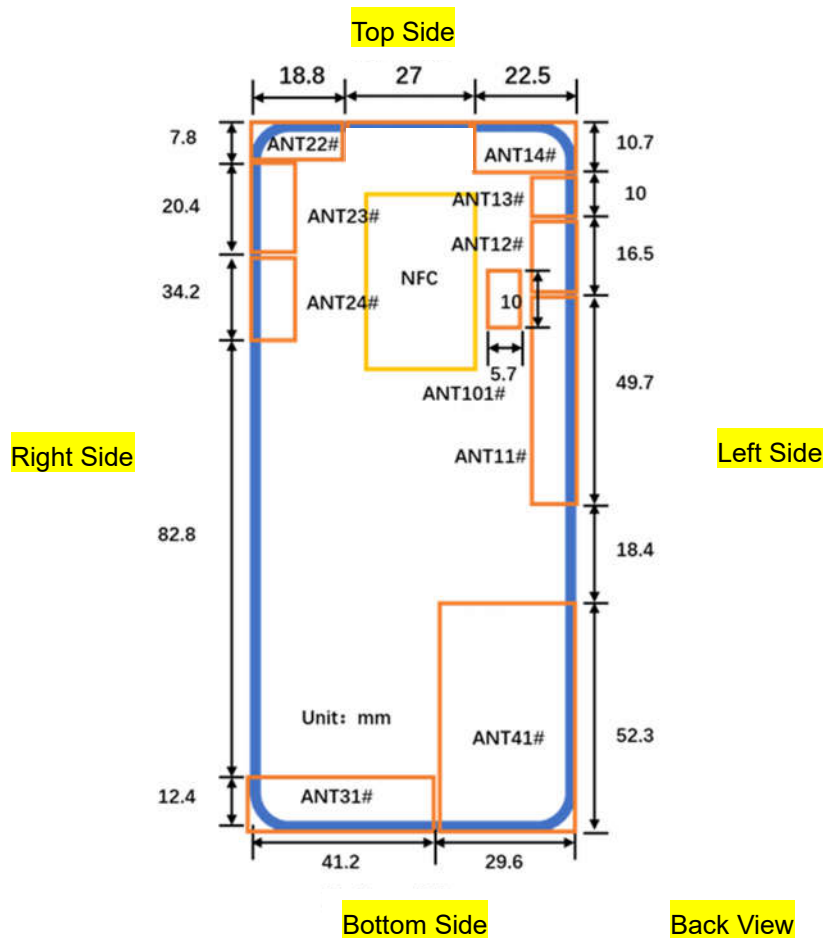


Left Side, Test Separation 14 mm



Top Side, Test Separation 10 mm(sensor off)

Antenna Location



Length: 158.9mm

Width: 73.52mm

Diagonal: 168.6mm

Note: The antenna location view is viewed from back side of the EUT. For the top/bottom/left/right side is viewed from the front side of the EUT.

Antenna	Support Band
Ant 11	GSM:850<TX/RX> WCDMA:B5<TX/RX> LTE:B5/B12/B13/B17/B18/B19/B26<TX/RX> SA:n5<TX/RX>
Ant 12	LTE:B7<TX/RX> SA:n41<TX/RX> NSA:n7/n66<TX/RX>
Ant 13	SA:n77/n78<TX/RX> NSA:n78<TX/RX>
Ant 14	GSM:1900<TX/RX> WCDMA:B2/4<TX/RX> LTE:B2/B4/B7/B38/B41/B66<TX/RX> SA:n2/n7/n66<TX/RX> NSA:n7/n66<TX/RX>
Ant 22	WIFI:2.4G ch1/ 5G ch0<TX/RX>
Ant 23	SA:n41/n77/n78<TX/RX> NSA:n78<TX/RX>
Ant 24	WIFI:2.4G ch0/BT/5G ch1<TX/RX> NR: n78<RX>
Ant 31	GSM:1900<TX/RX> WCDMA:B2/4<TX/RX> LTE:B2/B4/B7/B38/B41/B66<TX/RX> SA:n2/7/66<TX/RX>
Ant 41	GSM:850<TX/RX> WCDMA:B5<TX/RX> LTE:B5/B12/B13/B17/B18/B19/B26<TX/RX> SA:n5<TX/RX>
Ant 101	NR: n78<RX>
NFC Antenna	NFC<TX/RX>

Note:

1. 5GNR n78 Ant 24 & Ant 101 support SRS(Sounding Reference Signal) functionality.
2. LTE B7-ant12 only for UL CA combination.

Distance of the Antenna to the EUT surface/edge						
Antennas	Back	Front	Top Side	Bottom Side	Right Side	Left Side
Ant 11	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm
Ant 12	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm
Ant 13	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm
Ant 14	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm
Ant 22	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm
Ant 23	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm
Ant 24	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm	>25mm
Ant 31	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	≤ 25mm	>25mm
Ant 41	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm	≤ 25mm
Ant 101	≤ 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
Ant 11	Yes	Yes	Yes	No	No	Yes
Ant 12	Yes	Yes	Yes	No	No	Yes
Ant 13	Yes	Yes	Yes	No	No	Yes
Ant 14	Yes	Yes	Yes	No	No	Yes
Ant 22	Yes	Yes	Yes	No	Yes	No
Ant 23	Yes	Yes	Yes	No	Yes	No
Ant 24	Yes	Yes	No	No	Yes	No
Ant 31	Yes	Yes	No	Yes	Yes	No
Ant 41	Yes	Yes	No	Yes	No	Yes
Ant 101	Yes	Yes	No	No	No	Yes
NFC Antenna	Yes	Yes	Yes	No	Yes	Yes

General Note:

Referring to KDB 941225 D06 v02r01, when the overall device length and width are ≥ 9cm*5cm, 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.