b. Equipment list

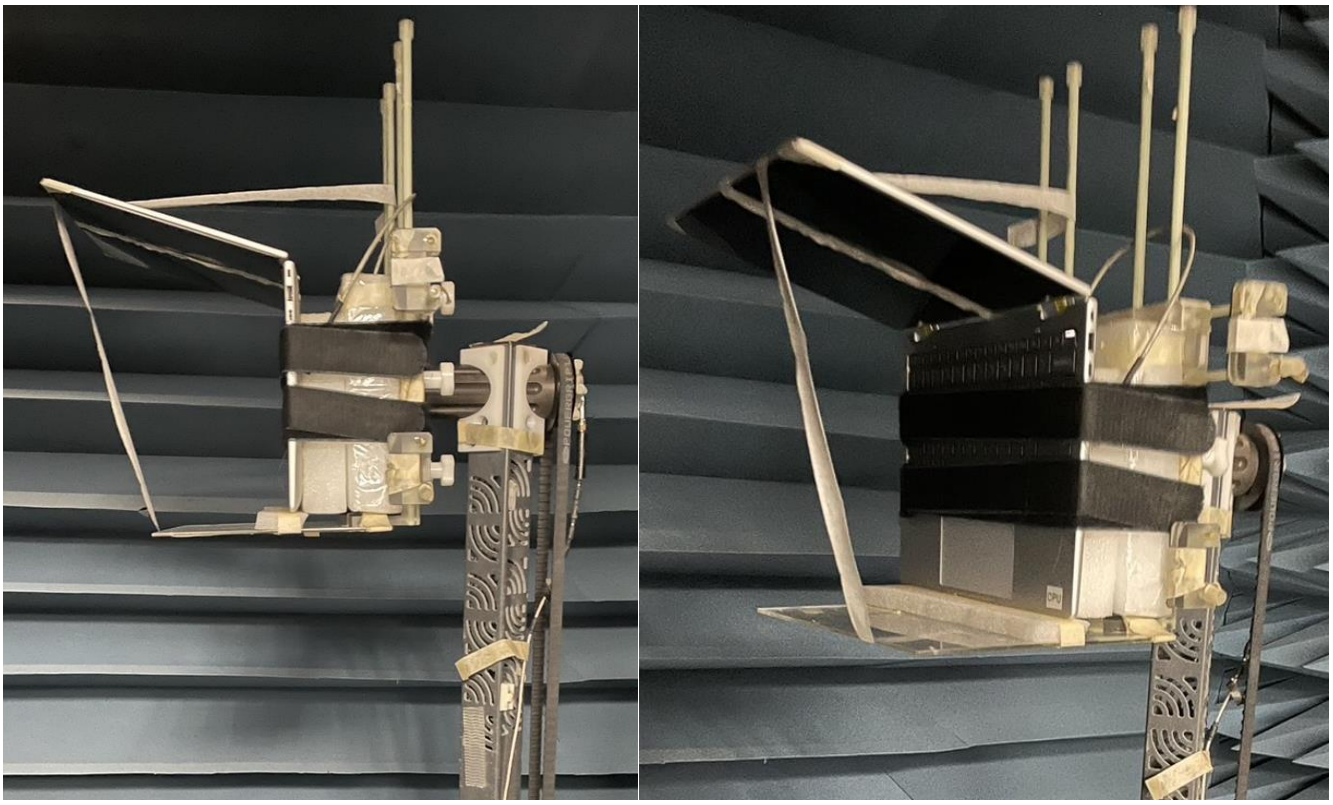
Test location: 1F, No. 8, Alley 15, Lane 120, Sec. 1, NeiHu Road Neihu District, Taipei City 11493, Taiwan

Testing date: 2024/9/31

Equipment Description	Manufacturer	Identification no.	Current calibration date	Next calibration date
Network analyzer	Agilent	E5071C	2024/01/07	2025/01/06
Measurement software	ETS-Lindgren	EMQuest	N/A	N/A
Multi axis positioning system(MAPSTM)	ETS-Lindgren	EMCO 2115	N/A	N/A
Multi axis positioning system(MAPSTM)	ETS-Lindgren	EMCO 2110	N/A	N/A
MAPSTM controller	ETS-Lindgren	EMCO 2090	N/A	N/A
Horn antenna	ETS-Lindgren	3164-10	2024/03/03	2025/03/03
ETS OTA Chamber	ETS-Lindgren	AMS-8500	2024/03/03	2025/03/03
Cable	ETS-Lindgren	RFC SMS-100-NMR Series	N/A	N/A

Note: Chamber calibration included full set of implement

3. Setup photo



Antenna Manufacturer Information

HONGBO WIRELESS COMMUNIACTION TECHOLOGY CO., LTD.

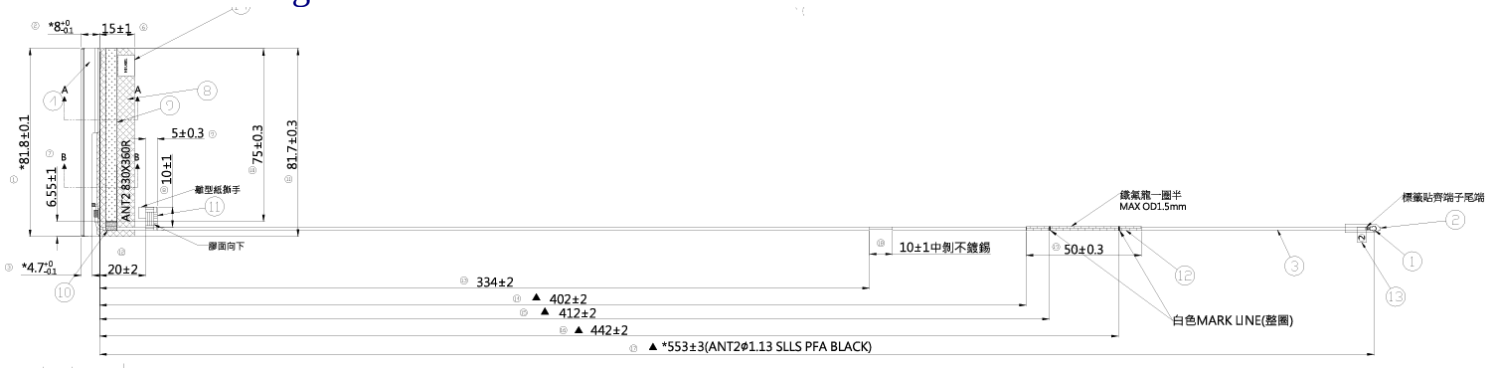
4F, No.143, Sinhu 1st Rd., Neihu Dist, Taipei City 11494, Taiwan

Tel : +886-2-2792-6009

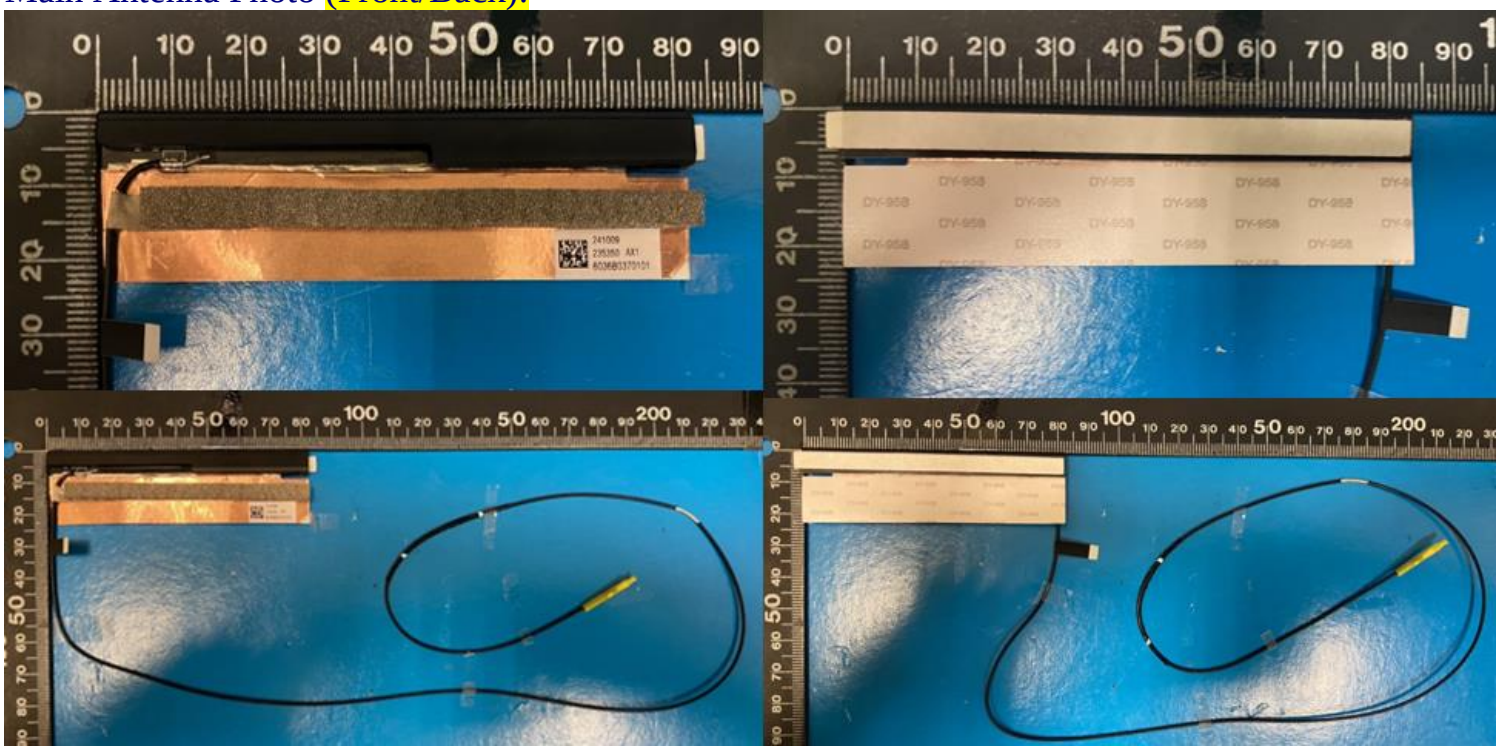
Section 2. Dimensioned Photos and Drawings of Antennas

Include the dimensioned photo and drawing of Main antenna here.

Main Antenna Drawing:



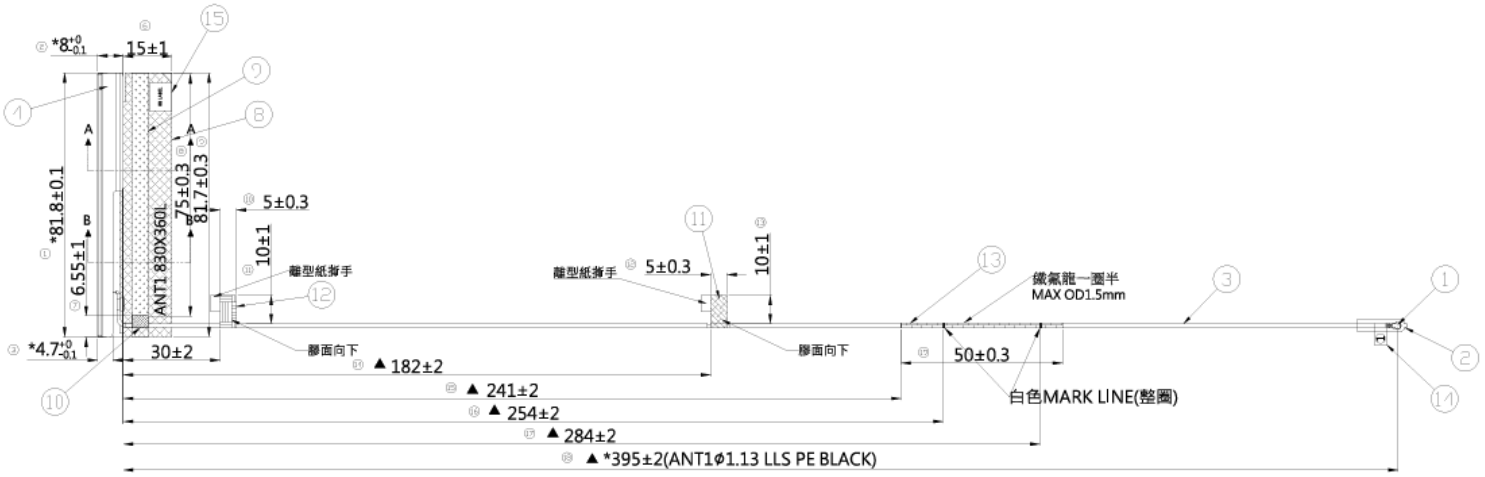
Main Antenna Photo (Front/Back):



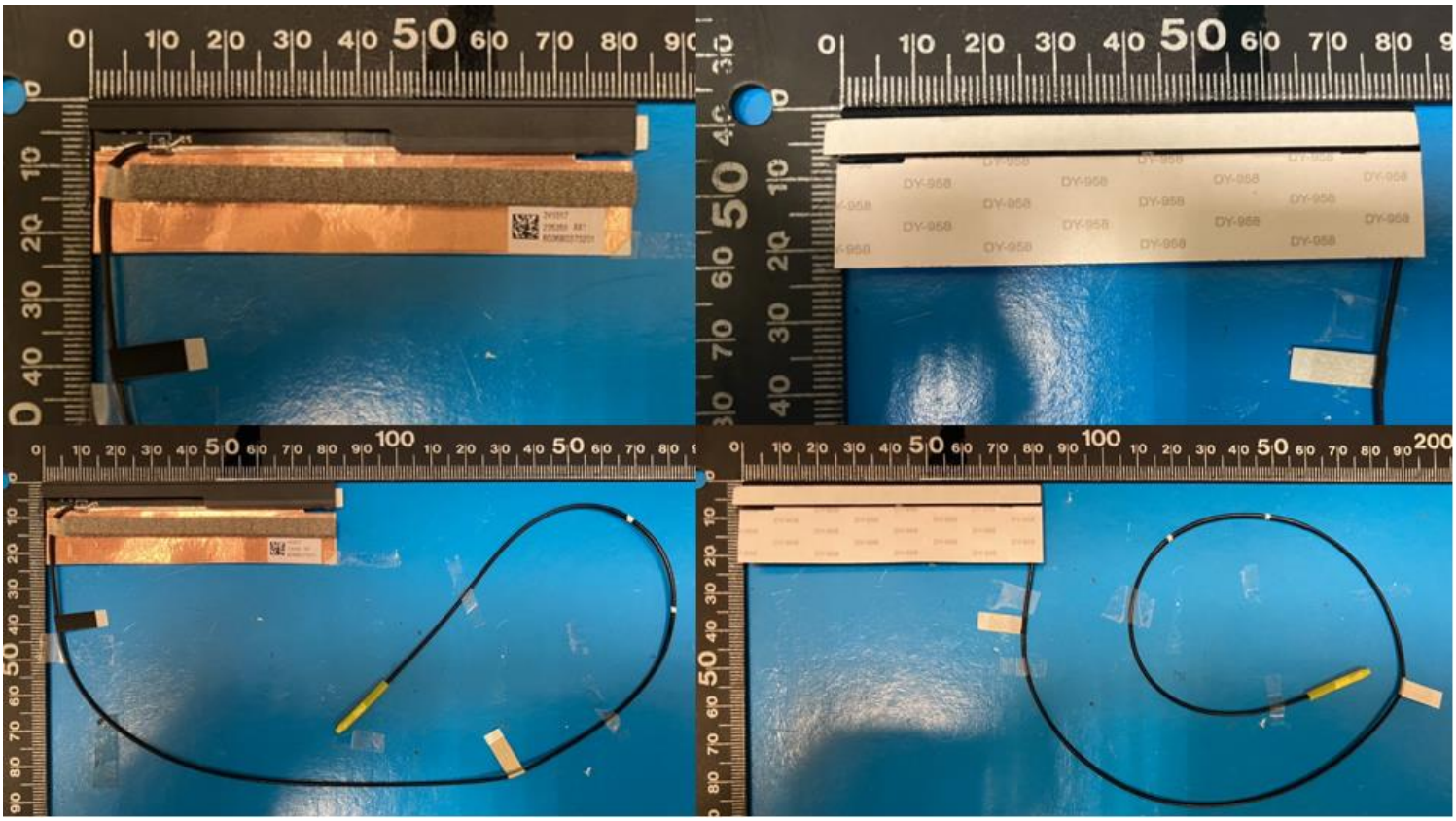
Note: antenna photo should include L type ruler

Include the dimensioned photo and drawing of Aux antenna here.

Aux Antenna Drawing:



Aux Antenna Photo (Front/Back):

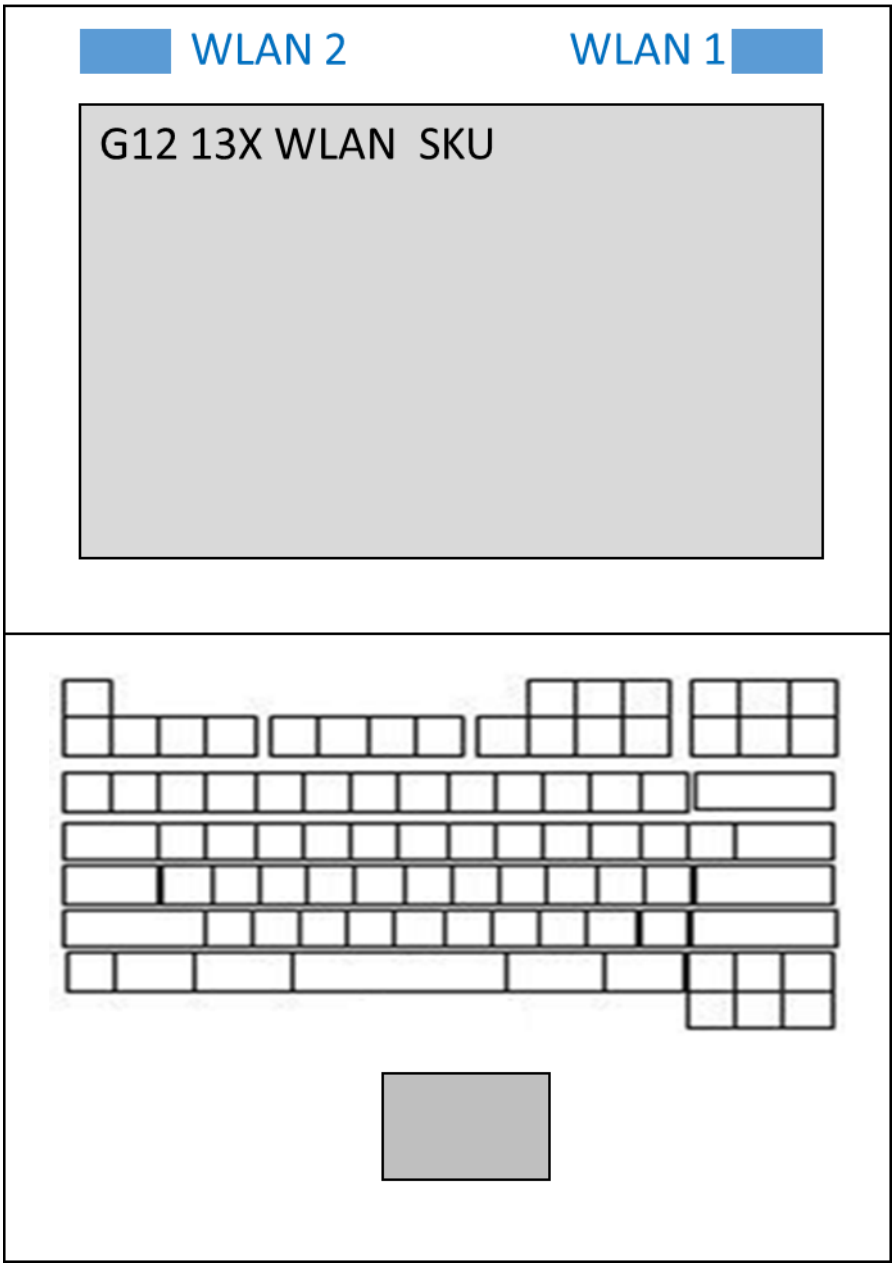


Note: antenna photo should include L type ruler

Section 4. Antenna Host Platform Location Information

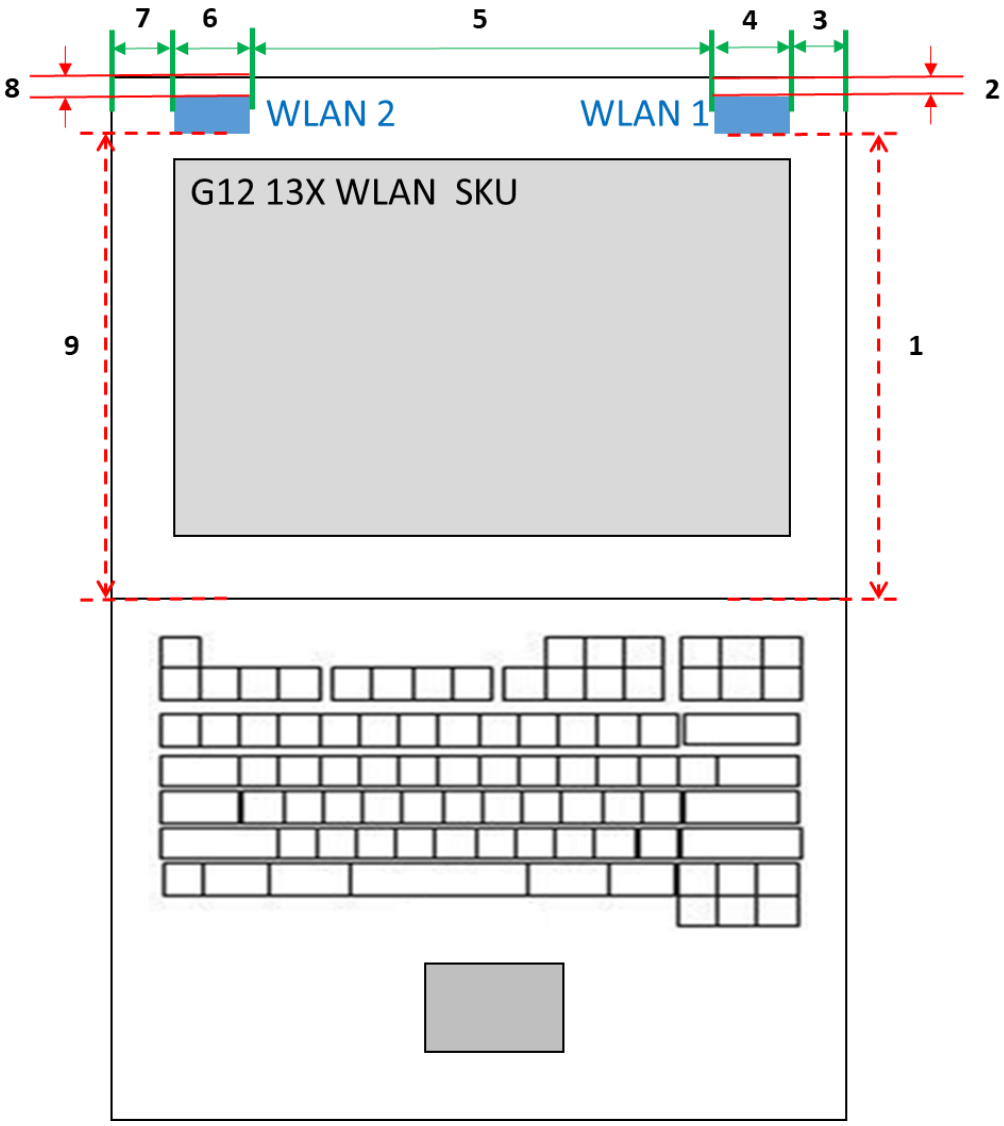
Include a **dimensioned photo(s) or dimensioned drawing(s)** of Main and Aux antenna placements (measurements are not required for receive-only antenna).

Any antenna that transmits must show dimensions to bottom of laptop. Provide a description of the materials that are used for supporting or surrounding transmit antennas; for example, non-conductive plastics vs. conductive coated plastic or metallic materials.

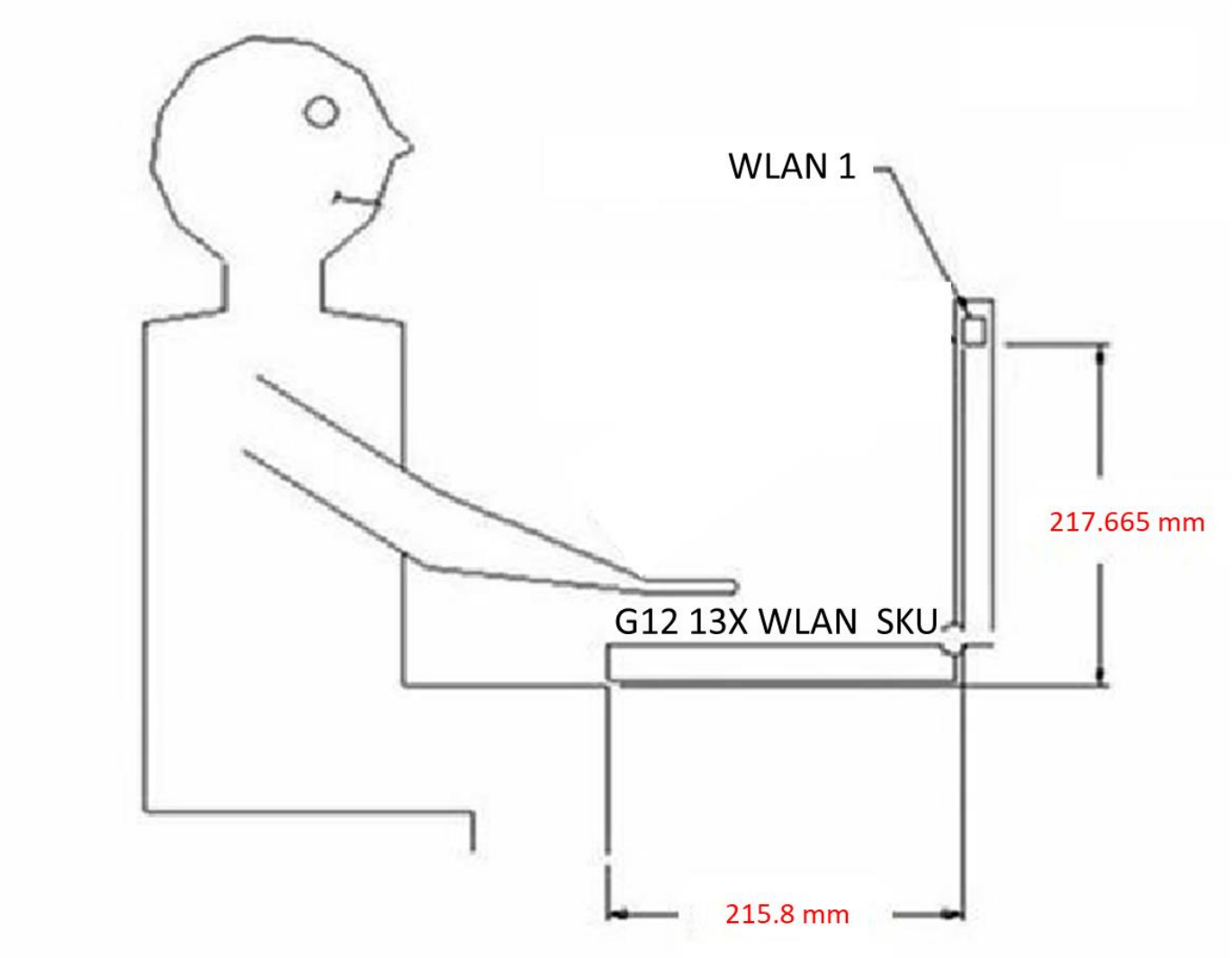


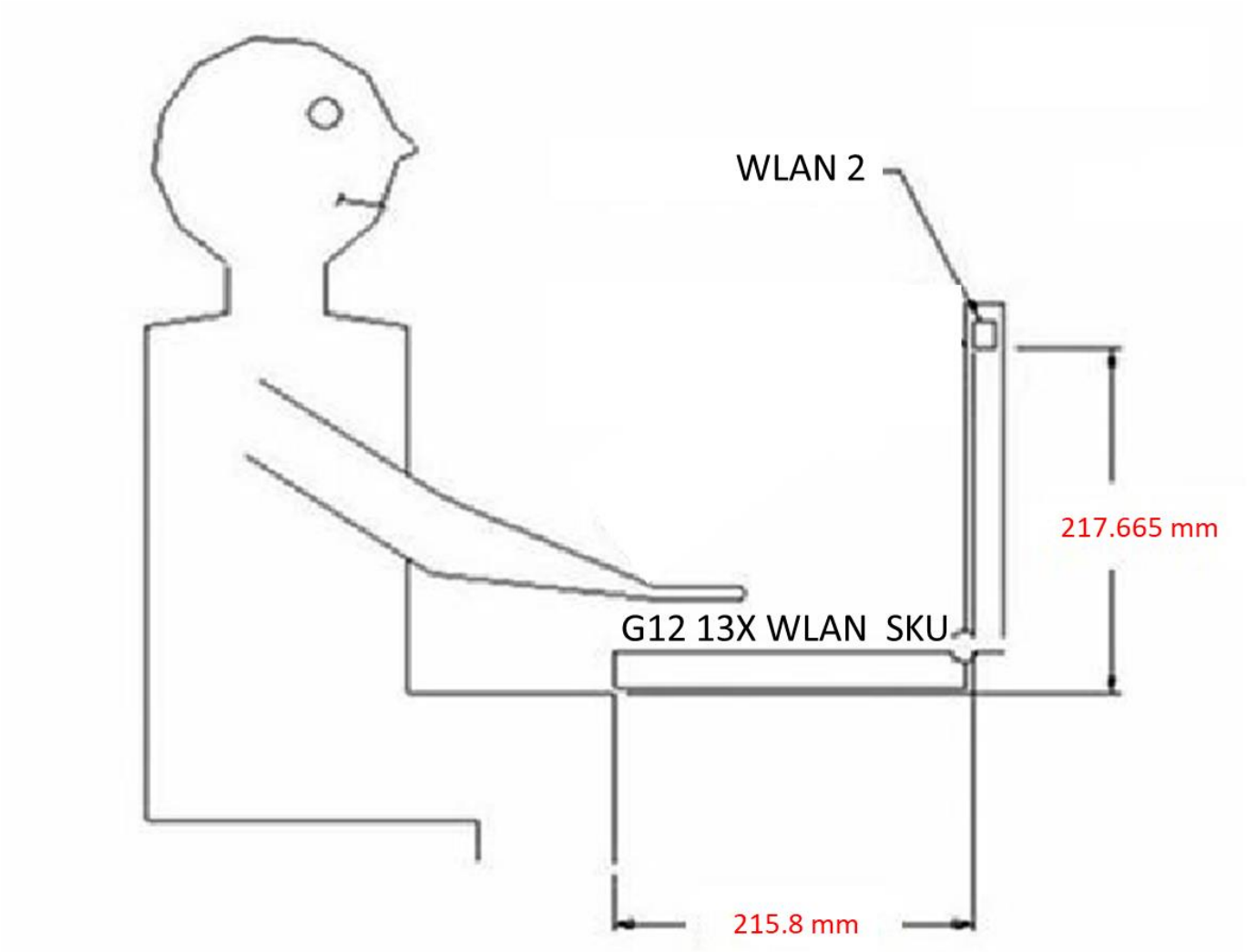
Section 5. Antenna dimensional information for SAR evaluation

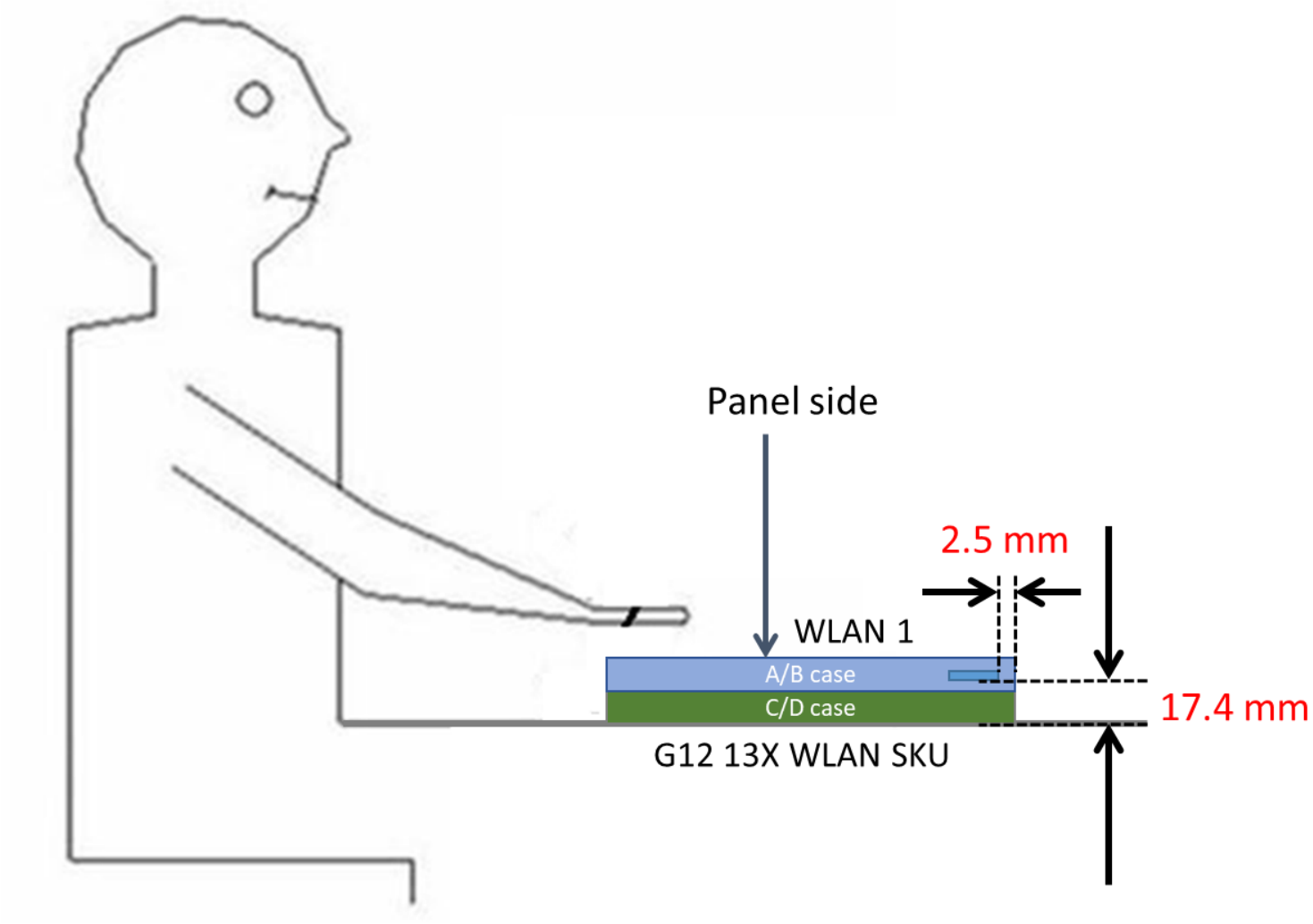
Include a **dimensioned photo(s) or dimensioned drawing(s)** showing the distance (mm) between the transmit antennas and the user. For notebook/laptop hosts show lapheld position (example below). For tablet hosts show all orientations including lapheld, primary & secondary portrait, primary & secondary landscape positions. Include a description of any proximity sensors or power throttling implementations that limit or exclude use of any host orientation.

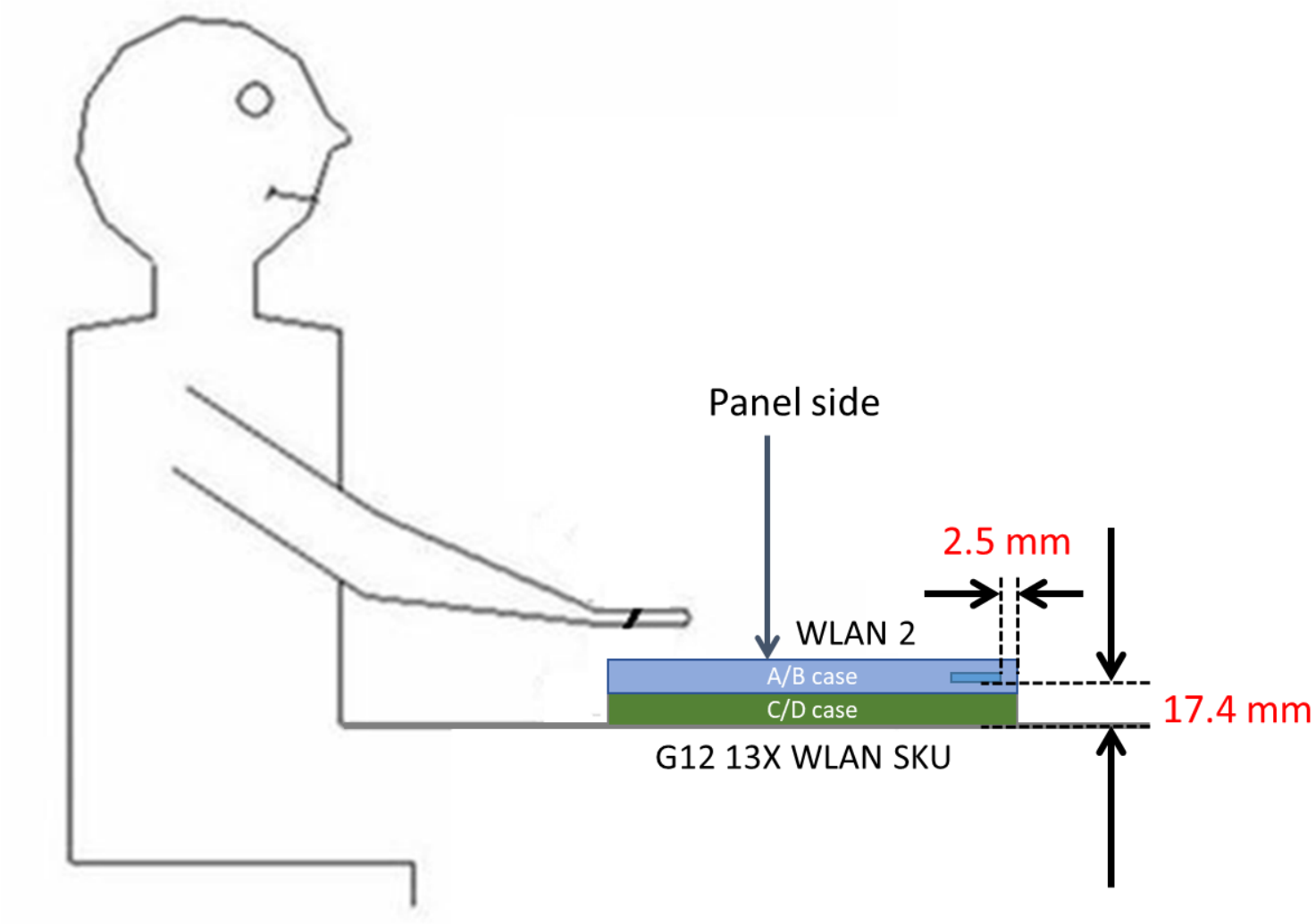


1	207 mm
2	2.75 mm
3	28 mm
4	82 mm
5	79.3 mm
6	82 mm
7	29.8 mm
8	2.75 mm
9	207 mm


WLAN 1
217.665 mm
G12 13X WLAN SKU
215.8 mm


WLAN 2
217.665 mm
G12 13X WLAN SKU
215.8 mm


Panel side
2.5 mm
WLAN 1
A/B case
C/D case
17.4 mm
G12 13X WLAN SKU


Panel side
2.5 mm
WLAN 2
A/B case
C/D case
17.4 mm
G12 13X WLAN SKU

Section 6. Diagram Example of Co-Location Antenna Separation

Include a **dimensioned photo or dimensioned drawing** showing the distance (mm) between **all WLAN transmit antennas** and other co-located radiator transmit antenna such as Bluetooth, WWAN,..

(Note: Due to the evolving rules regarding co-location, each platform will need to be reviewed on a case by case basis)