

CN243V4O 001  
CN242VUR 001  
CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

Page 1 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

#### PCB Antenna

**Photograph 1: Test Setup for Spurious Emissions (Front View 1)**



**Photograph 2: Test Setup for Spurious Emissions (Front View 2)**

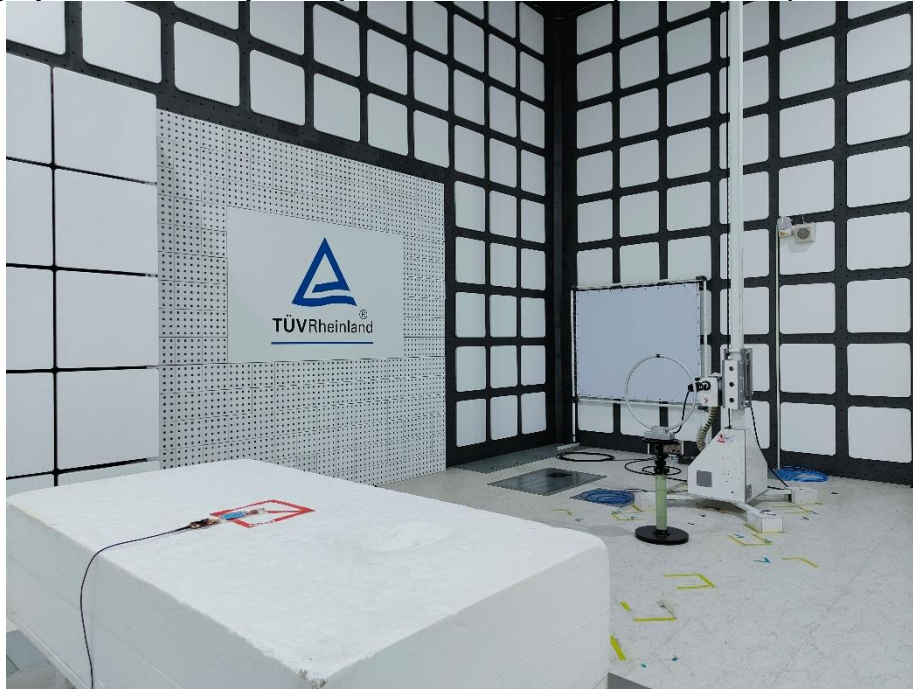


CN243V4O 001  
CN242VUR 001  
CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

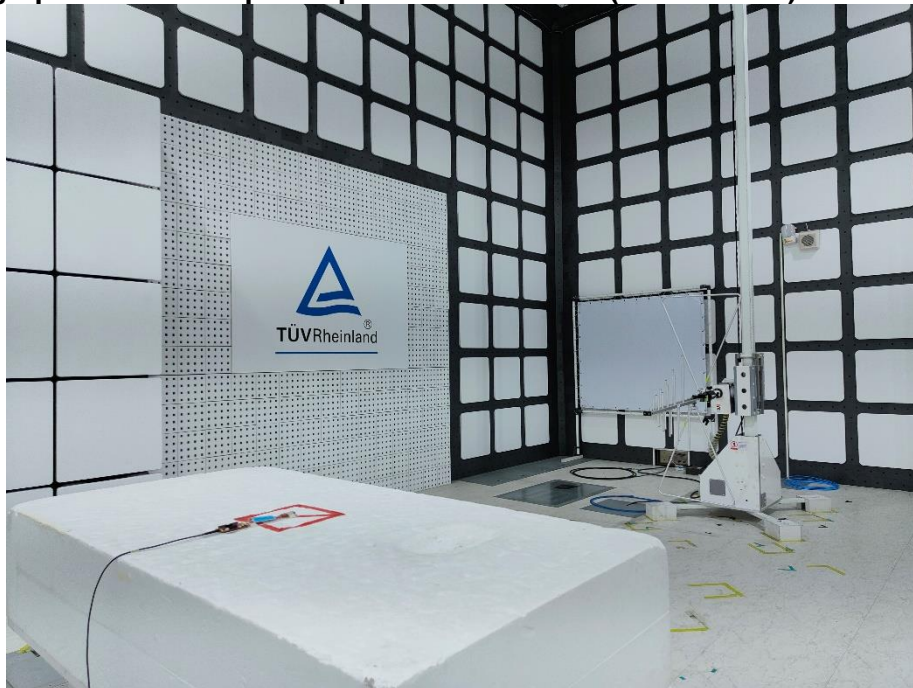
Page 2 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**Photograph 3: Test Setup for Spurious Emissions (Back View 1)**



**Photograph 4: Test Setup for Spurious Emissions (Back View 2)**



CN243V4O 001  
CN242VUR 001  
CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

Page 3 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**Photograph 5: Test Setup for Spurious Emissions (Back View 3)**



**Photograph 6: Test Setup for Spurious Emissions (Back View 4)**



CN243V4O 001  
CN242VUR 001  
CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

Page 4 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**Photograph 7: Test Setup for Mains Conducted Emissions (Front View)**



**Photograph 8: Test Setup for Mains Conducted Emissions (Back View)**



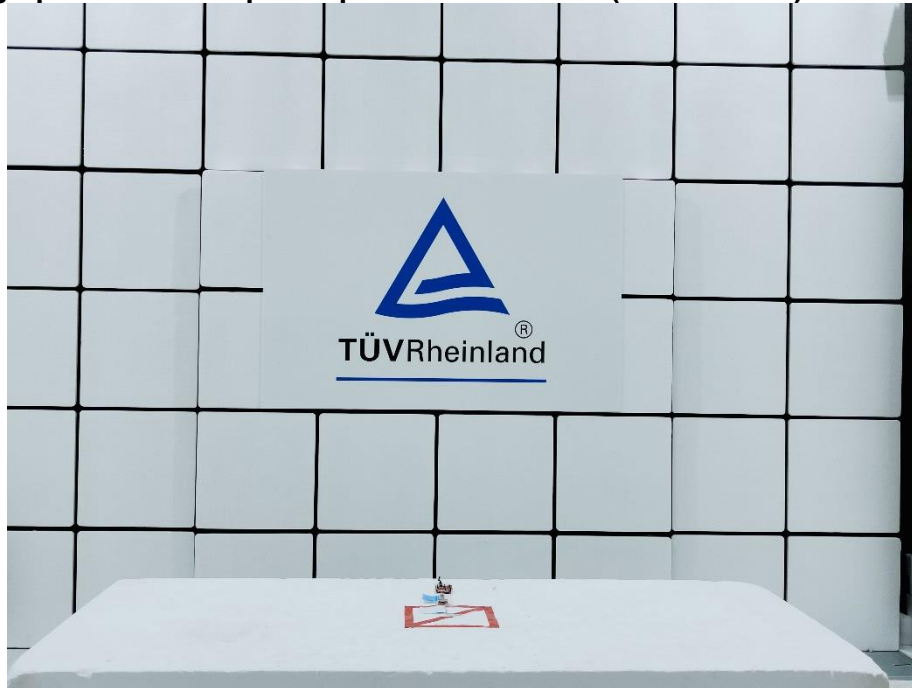
CN243V4O 001  
CN242VUR 001  
CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

Page 5 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**UFL Antenna for Ant 2**

**Photograph 9: Test Setup for Spurious Emissions (Front View 1)**



**Photograph 10: Test Setup for Spurious Emissions (Front View 2)**

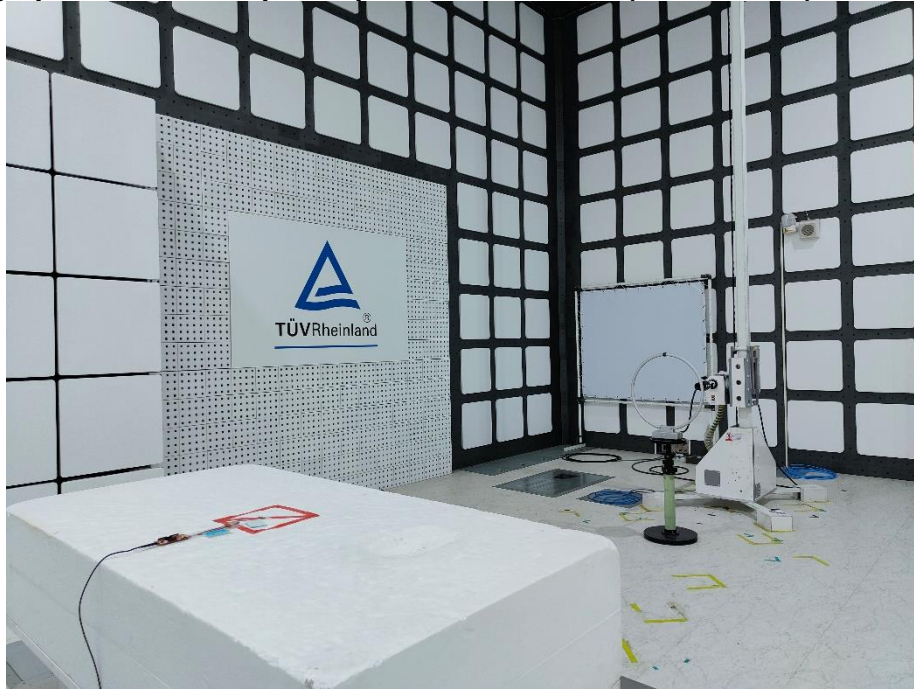


CN243V4O 001  
CN242VUR 001  
CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

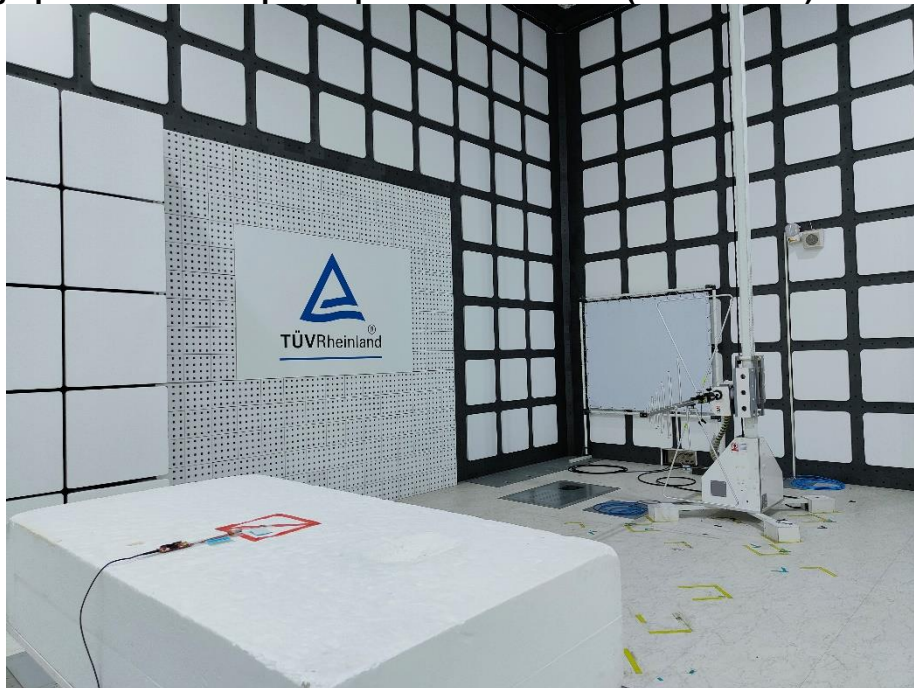
Page 6 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**Photograph 11: Test Setup for Spurious Emissions (Back View 1)**



**Photograph 12: Test Setup for Spurious Emissions (Back View 2)**

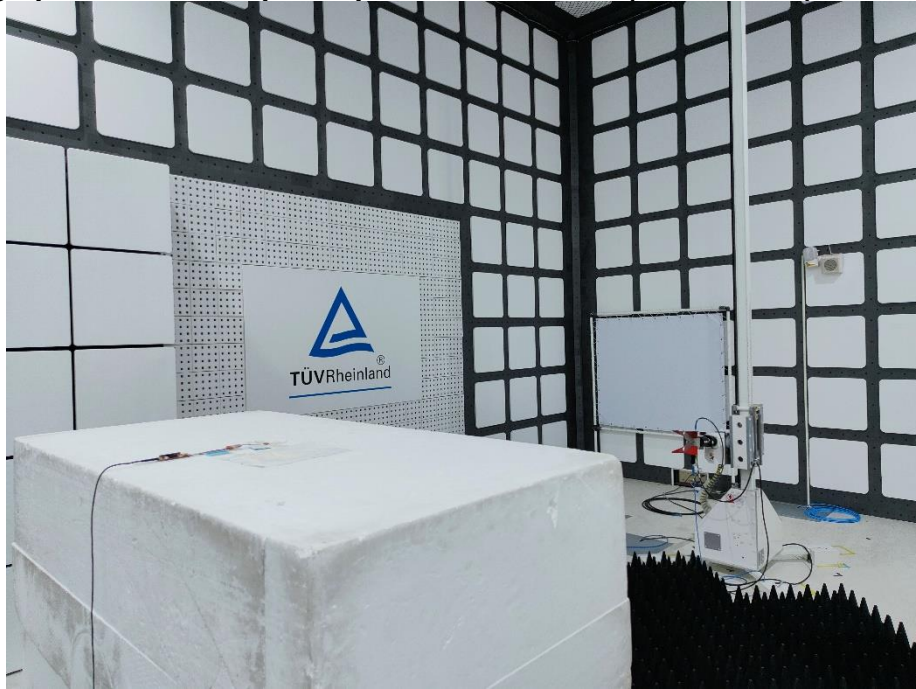


CN243V4O 001  
CN242VUR 001  
CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

Page 7 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**Photograph 13: Test Setup for Spurious Emissions (Back View 3)**



**Photograph 14: Test Setup for Spurious Emissions (Back View 4)**



CN243V4O 001  
CN242VUR 001  
CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

Page 8 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**Photograph 15: Test Setup for Mains Conducted Emissions (Front View)**



**Photograph 16: Test Setup for Mains Conducted Emissions (Back View)**



CN243V4O 001  
CN242VUR 001  
CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

Page 9 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**UFL Antenna for Ant 4**

**Photograph 17: Test Setup for Spurious Emissions (Front View 1)**



**Photograph 18: Test Setup for Spurious Emissions (Front View 2)**

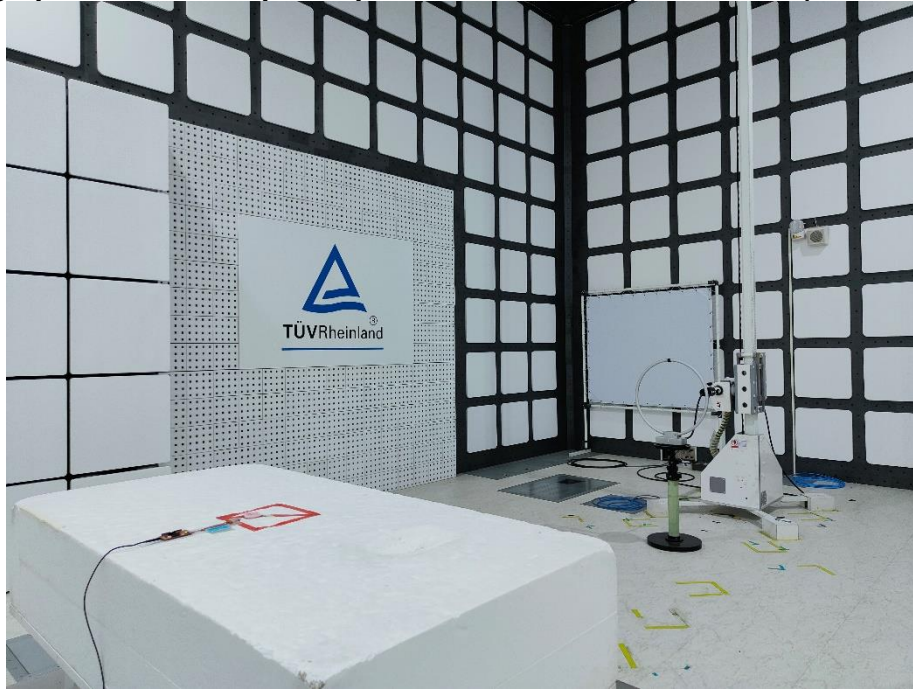


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CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

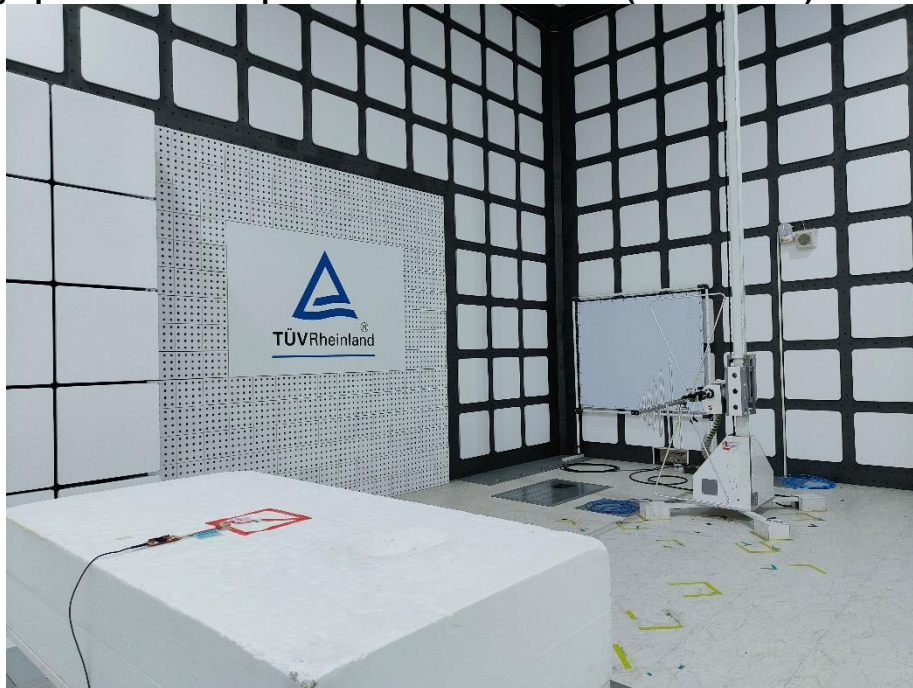
Page 10 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**Photograph 19: Test Setup for Spurious Emissions (Back View 1)**



**Photograph 20: Test Setup for Spurious Emissions (Back View 2)**

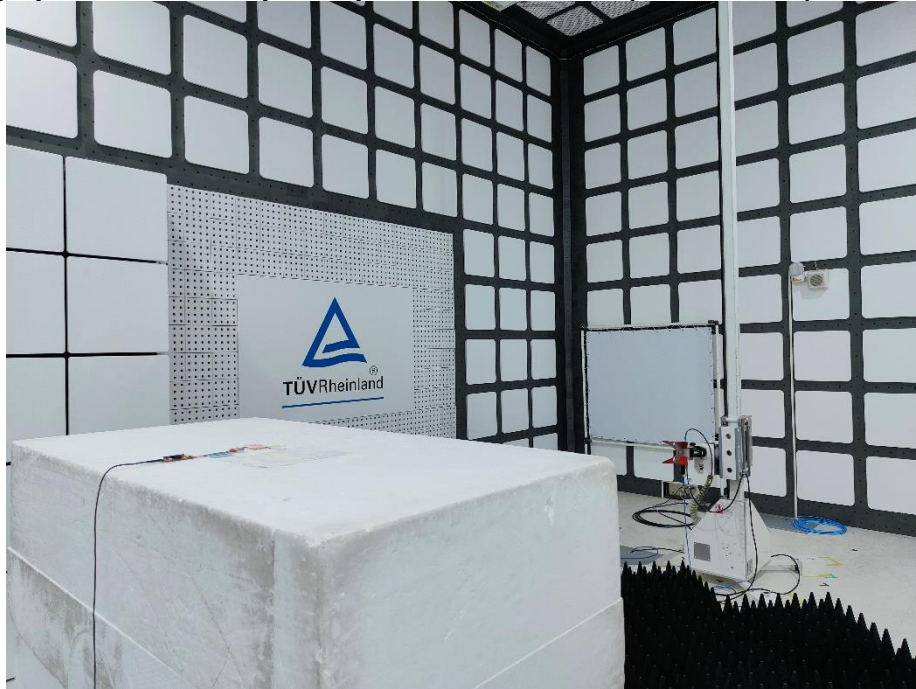


CN243V4O 001  
CN242VUR 001  
CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

Page 11 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**Photograph 21: Test Setup for Spurious Emissions (Back View 3)**



**Photograph 22: Test Setup for Spurious Emissions (Back View 4)**



CN243V4O 001  
CN242VUR 001  
CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

Page 12 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**Photograph 23: Test Setup for Mains Conducted Emissions (Front View)**



**Photograph 24: Test Setup for Mains Conducted Emissions (Back View)**



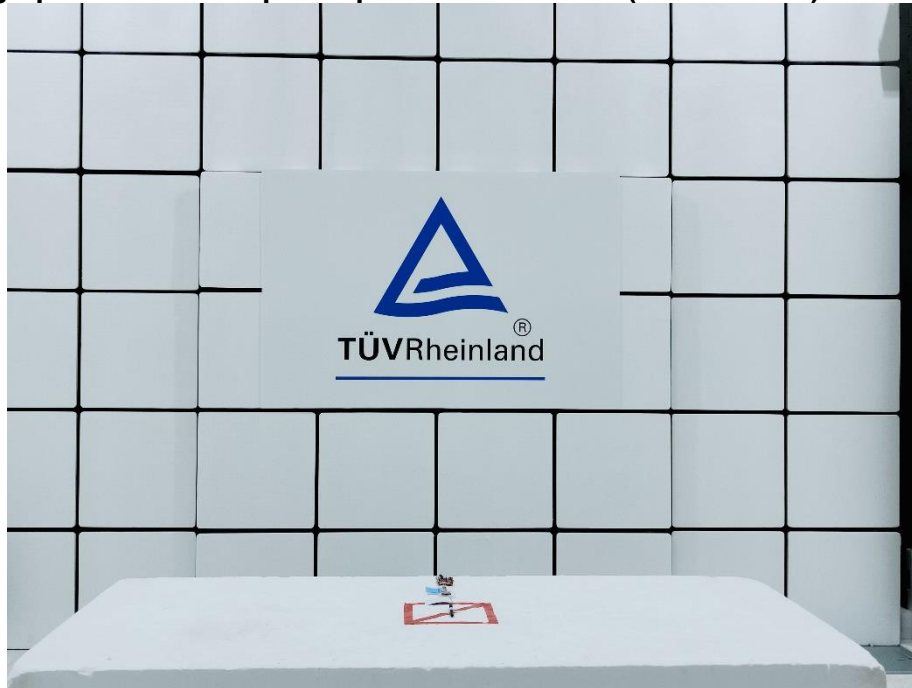
CN243V4O 001  
CN242VUR 001  
CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

Page 13 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**UFL Antenna for Ant 5**

**Photograph 25: Test Setup for Spurious Emissions (Front View 1)**



**Photograph 26: Test Setup for Spurious Emissions (Front View 2)**

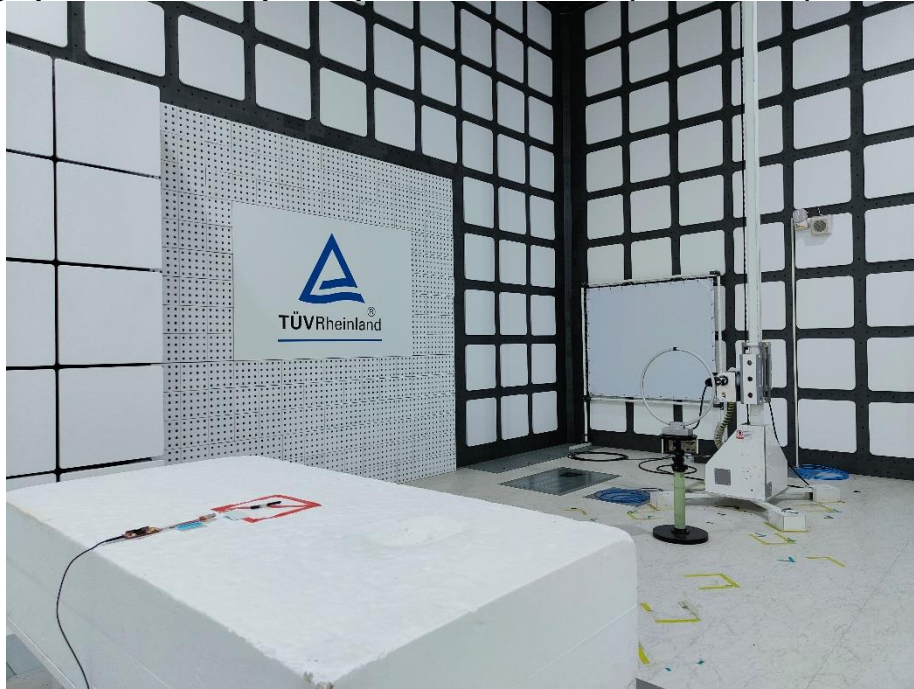


CN243V4O 001  
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CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

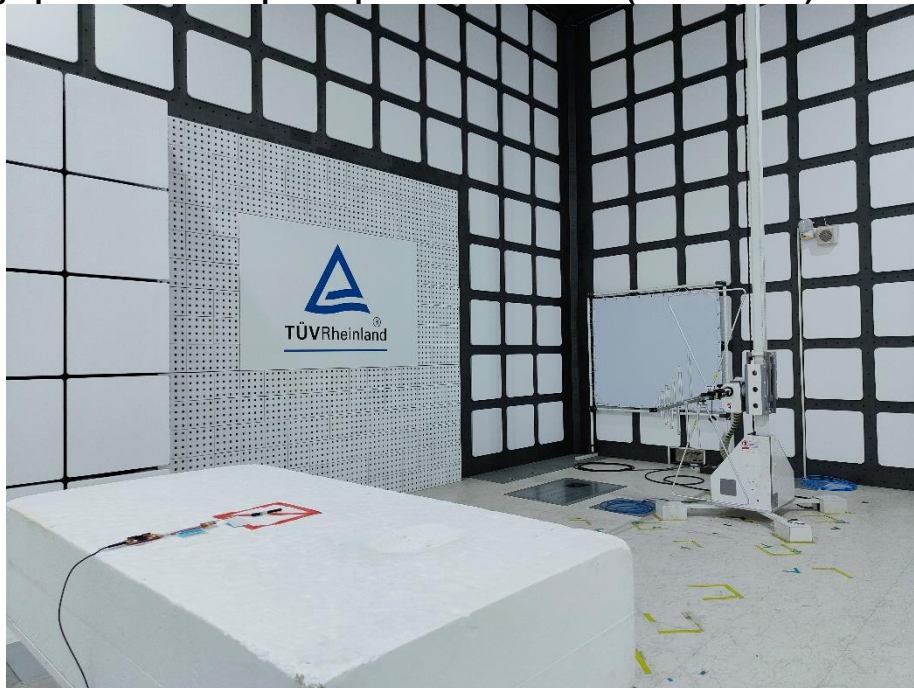
Page 14 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**Photograph 27: Test Setup for Spurious Emissions (Back View 1)**



**Photograph 28: Test Setup for Spurious Emissions (Back View 2)**



CN243V4O 001  
CN242VUR 001  
CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

Page 15 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**Photograph 29: Test Setup for Spurious Emissions (Back View 3)**



**Photograph 30: Test Setup for Spurious Emissions (Back View 4)**



CN243V4O 001  
CN242VUR 001  
CN24781V 001  
CN2456YB 001  
CN24S3LR 001  
CN24N36Q 001

Page 16 of 16

Product: Wireless MCU module with BLE 5.2 compliant and Zigbee 3.0 Radio  
Type Identification: WBZ451HPE, WBZ451HUE

**Photograph 31: Test Setup for Mains Conducted Emissions (Front View)**



**Photograph 32: Test Setup for Mains Conducted Emissions (Back View)**

