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|  <b>MOTOROLA SOLUTIONS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  <b>CERTIFICATE 2518.08</b><br><br><br> <b>SAMM 825</b> |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <b>MOTOROLA PENANG ADV. COMM. LABORATORY</b><br><b>Motorola Solutions Malaysia Sdn. Bhd.</b><br><b>Plot 2A Medan Bayan Lepas,</b><br><b>Mukim 12, S.W.D. 11900 Bayan Lepas,</b><br><b>Penang, Malaysia.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>FCC / ISED TEST REPORT</b><br><b>Report Revision : Rev.A</b>                                                                                                                                                                                                                                                                                                                                  |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <table><tr><td><b>Date/s Tested</b></td><td>: 19-JAN-2026 - 16-FEB-2026</td></tr><tr><td><b>Report Issue Date</b></td><td>: 26-FEB-2026</td></tr><tr><td><b>Test Location</b></td><td>: MOTOROLA PENANG ADV. COMM. LABORATORY</td></tr><tr><td><b>Manufacturer/Location</b></td><td>: Motorola Solutions Malaysia Sdn Bhd<br/>Plot 2A, Medan Bayan Lepas, Mukim 12 SWD,<br/>11900, Bayan Lepas, Penang, Malaysia</td></tr><tr><td><b>Requestor</b></td><td>: Pahimi Ahmad Adil Hakam</td></tr><tr><td><b>Product Type</b></td><td>: Body Worn Camera</td></tr><tr><td><b>Product Marketing Name (PMN)</b></td><td>: V200</td></tr><tr><td><b>Hardware Version Identification Number (HVIN)</b></td><td>: B20CJM2BE2AN</td></tr><tr><td><b>Frequency Band</b></td><td>: 2412MHz – 2462MHz</td></tr><tr><td><b>Max RF Output Power</b></td><td>: NA</td></tr><tr><td><b>Applicant Name</b></td><td>: Motorola Solutions Inc</td></tr><tr><td><b>Applicant Address</b></td><td>: Plot 2A, Medan Bayan Lepas, Mukim 12 SWD,<br/>11900 Bayan Lepas, Penang, Malaysia</td></tr><tr><td><b>FCC Registrations</b></td><td>: 461337</td></tr><tr><td><b>ISED Registrations</b></td><td>: MY0001</td></tr><tr><td><b>Firmware Version Identification Number (FVIN)</b></td><td>: PSS fs2-ARMV7A_PTF ptf-V200-1.11+H</td></tr></table> <p><b>The equipment was tested accordance to the requirement listed below:</b></p> <table><tr><td><b>(2.4GHz Wifi)</b><br/><b>47CFR Part 15C</b><br/><b>ISED RSS 247 Issue 3</b><br/><b>August 2023</b></td><td><b>PASS</b></td></tr></table> |                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Date/s Tested</b> | : 19-JAN-2026 - 16-FEB-2026 | <b>Report Issue Date</b> | : 26-FEB-2026 | <b>Test Location</b> | : MOTOROLA PENANG ADV. COMM. LABORATORY | <b>Manufacturer/Location</b> | : Motorola Solutions Malaysia Sdn Bhd<br>Plot 2A, Medan Bayan Lepas, Mukim 12 SWD,<br>11900, Bayan Lepas, Penang, Malaysia | <b>Requestor</b> | : Pahimi Ahmad Adil Hakam | <b>Product Type</b> | : Body Worn Camera | <b>Product Marketing Name (PMN)</b> | : V200 | <b>Hardware Version Identification Number (HVIN)</b> | : B20CJM2BE2AN | <b>Frequency Band</b> | : 2412MHz – 2462MHz | <b>Max RF Output Power</b> | : NA | <b>Applicant Name</b> | : Motorola Solutions Inc | <b>Applicant Address</b> | : Plot 2A, Medan Bayan Lepas, Mukim 12 SWD,<br>11900 Bayan Lepas, Penang, Malaysia | <b>FCC Registrations</b> | : 461337 | <b>ISED Registrations</b> | : MY0001 | <b>Firmware Version Identification Number (FVIN)</b> | : PSS fs2-ARMV7A_PTF ptf-V200-1.11+H | <b>(2.4GHz Wifi)</b><br><b>47CFR Part 15C</b><br><b>ISED RSS 247 Issue 3</b><br><b>August 2023</b> | <b>PASS</b> |
| <b>Date/s Tested</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | : 19-JAN-2026 - 16-FEB-2026                                                                                                                                                                                                                                                                                                                                                                      |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <b>Report Issue Date</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | : 26-FEB-2026                                                                                                                                                                                                                                                                                                                                                                                    |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <b>Test Location</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | : MOTOROLA PENANG ADV. COMM. LABORATORY                                                                                                                                                                                                                                                                                                                                                          |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <b>Manufacturer/Location</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | : Motorola Solutions Malaysia Sdn Bhd<br>Plot 2A, Medan Bayan Lepas, Mukim 12 SWD,<br>11900, Bayan Lepas, Penang, Malaysia                                                                                                                                                                                                                                                                       |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <b>Requestor</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | : Pahimi Ahmad Adil Hakam                                                                                                                                                                                                                                                                                                                                                                        |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <b>Product Type</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | : Body Worn Camera                                                                                                                                                                                                                                                                                                                                                                               |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <b>Product Marketing Name (PMN)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | : V200                                                                                                                                                                                                                                                                                                                                                                                           |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <b>Hardware Version Identification Number (HVIN)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | : B20CJM2BE2AN                                                                                                                                                                                                                                                                                                                                                                                   |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <b>Frequency Band</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | : 2412MHz – 2462MHz                                                                                                                                                                                                                                                                                                                                                                              |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <b>Max RF Output Power</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | : NA                                                                                                                                                                                                                                                                                                                                                                                             |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <b>Applicant Name</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | : Motorola Solutions Inc                                                                                                                                                                                                                                                                                                                                                                         |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <b>Applicant Address</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | : Plot 2A, Medan Bayan Lepas, Mukim 12 SWD,<br>11900 Bayan Lepas, Penang, Malaysia                                                                                                                                                                                                                                                                                                               |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
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| <b>Firmware Version Identification Number (FVIN)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | : PSS fs2-ARMV7A_PTF ptf-V200-1.11+H                                                                                                                                                                                                                                                                                                                                                             |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <b>(2.4GHz Wifi)</b><br><b>47CFR Part 15C</b><br><b>ISED RSS 247 Issue 3</b><br><b>August 2023</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>PASS</b>                                                                                                                                                                                                                                                                                                                                                                                      |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <p>This report shall not be reproduced without written approval from an officially designated representative of the Motorola Penang Adv. Comm. Laboratory. The results and statements contained in this report pertain only to the device(s) evaluated.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |
| <p>Prepared By:</p> <br><hr/> <b>WAN NUR ATHIRAH</b><br><b>Test Personnel</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p>Approved Signatory:</p> <br><hr/> <b>HO SZE KHIAN</b><br><b>Responsible Engineer</b>                                                                                                                                                                                                                     |                      |                             |                          |               |                      |                                         |                              |                                                                                                                            |                  |                           |                     |                    |                                     |        |                                                      |                |                       |                     |                            |      |                       |                          |                          |                                                                                    |                          |          |                           |          |                                                      |                                      |                                                                                                    |             |

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## REVISION HISTORY

| Revision History | Description    | Date        | Originator      |
|------------------|----------------|-------------|-----------------|
| Rev. A           | Initial Report | 26-FEB-2026 | WAN NUR ATHIRAH |

## 1.0. General Information

### EUT Description:

|                               |                   |
|-------------------------------|-------------------|
| <b>Technologies</b>           | 2.4GHz Wi-Fi      |
| <b>TX Frequency range</b>     | 2412MHz – 2462MHz |
| <b>Modulation Type</b>        | DSSS, OFDM        |
| <b>Connector type</b>         | NA                |
| <b>Antenna type</b>           | CHIP              |
| <b>Temporary RF Connector</b> | NA                |

Note: The description and information regarding the EUT are provided by the customer. The laboratory shall not be held responsible for any inaccuracies or misinformation in the provided details that may result in incorrect test outcomes.

### 1.1. Channel number and frequency information:

There are two bandwidth systems.

For 20MHz Bandwidth systems (802.11b, 802.11g, 802.11n), use channel 1 ~ channel 11

For 40MHz Bandwidth systems (802.11n), use channel 3 ~ channel 9

#### 802.11b,g,n

| Mode          | 802.11b |      |      | 802.11g |      |      | 802.11n |      |      | 802.11n |      |      |
|---------------|---------|------|------|---------|------|------|---------|------|------|---------|------|------|
| Channel       | 1       | 6    | 11   | 1       | 6    | 11   | 1       | 6    | 11   | 3       | 6    | 9    |
| Resource Unit | NA      |      |      | NA      |      |      | NA      |      |      | NA      |      |      |
| Frequency     | 2412    | 2437 | 2462 | 2412    | 2437 | 2462 | 2412    | 2437 | 2462 | 2422    | 2437 | 2452 |
| Bandwidth     | 20 MHz  |      |      | 20MHz   |      |      | 20MHz   |      |      | 40Mhz   |      |      |

#### 802.11ax

| Mode          | 802.11ax |      |      | 802.11ax (RU26) |      |      | 802.11ax |      |      |
|---------------|----------|------|------|-----------------|------|------|----------|------|------|
| Channel       | 1        | 6    | 11   | 1               | 6    | 11   | 3        | 6    | 9    |
| Resource Unit | Full RU  |      |      | 0,4,8           |      |      | Full RU  |      |      |
| Frequency     | 2412     | 2437 | 2462 | 2412            | 2437 | 2462 | 2422     | 2437 | 2452 |
| Bandwidth     | 20 MHz   |      |      | 20MHz           |      |      | 40MHz    |      |      |

The EUT contains following accessory devices and data cable:

| Item                                                                                    | Brand    | Model or P/N |
|-----------------------------------------------------------------------------------------|----------|--------------|
| CHGR DESKTOP SINGLE UNIT BASE ONLY                                                      | MOTOROLA | PMPN5057A    |
| POWER SUPPLY ADAPTOR,PS WALL 100-240VAC UNIVERSAL FIXED BLADE US/JP 10V/5A PPS L6 USB-C | MOTOROLA | PS000649A01  |
| USB-C Cable                                                                             | MOTOROLA | CB001372A01  |

### General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, the EUT is to comply with the requirements of the following standards:

### FCC 47 CFR Part 15 Subpart C

### KDB 558074 D01 15.247 Meas Guidance v05

### ANSI C63.10-2020+Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024

### Deviation from standard

Not applicable as no deviation from standard test method

### Modifications to EUT

For RF conducted measurements a pigtail was soldered out of the board while for radiated measurements there were no modifications to the device

## 2.0.Summary of Test Results

| FCC Clause                 | IC Clause      | Test Item                                 | Result | Remark                                                   | Serial number tested | Tested by      |
|----------------------------|----------------|-------------------------------------------|--------|----------------------------------------------------------|----------------------|----------------|
| 15.247 (a)(2)              | RSS-247 5.2(a) | DTS & 99% Channel Bandwidth               | NA     | Highest 99% OCB: NA                                      | NA                   | NA             |
| 15.247 (b)(3)              | RSS-247 5.4(d) | Conducted RF Output Power (Peak/Average)  | NA     | Highest output power: NA                                 | NA                   | NA             |
| 15.247(e)                  | RSS-247 5.2(b) | Maximum Power Spectral Density            | NA     | NA                                                       | NA                   | NA             |
| 15.247(d)                  | RSS-247 5.5    | Conducted Spurious Emissions              | NA     | Worst case emission: NA                                  | NA                   | NA             |
| 15.247 (d)                 | RSS-247 5.5    | Band edge Conducted Spurious Emission     | NA     | Worst case emission: NA                                  | NA                   | NA             |
| 15.205, 15.209, 15.247 (d) | RSS-247 5.5    | Radiated Emission within Restricted Bands | Pass   | Worst case emission: RSE: 43.79 dBuV/m (Margin: 10.21dB) | 952EBJ0061           | Nazrin & Rezza |
| 15.207                     | RSS-Gen 8.8    | AC Power Line Conducted Emission          | Pass   | Meet the limit requirement.                              | 952EBJ0061           | Helmy          |
| 15.203                     |                | Antenna requirement                       | NA     | NA                                                       | NA                   | NA             |

NA → Not Available

### 3.0. Measurement Uncertainty

The measurement uncertainties below were calculated using approach describe in ETSI TR 100 028, ETSI TR 100 028-2 (using a coverage factor of  $k = 1.96$ ) & CISPR 16-4-2 (using a coverage factor of  $k=2$ ), which gives a level of confidence of approximately 95%.

According to CISPR 16-4-2, the levels were found to be below levels of  $U_{CISPR}$  and therefore no adjustment of the data for measurement uncertainty is required.

#### ETSI TR 100 028 & ETSI TR 100 028-2:

| MEASUREMENT TYPE                | FREQUENCY RANGE | EXPANDED UNCERTAINTY |
|---------------------------------|-----------------|----------------------|
| Conducted Spurious Output Power | 9kHz-12750MHz   | $\pm 2.82$ dB        |

#### CISPR 16-4-2:

| MEASUREMENT TYPE                  | FREQUENCY RANGE   | EXPANDED UNCERTAINTY |
|-----------------------------------|-------------------|----------------------|
| AC Power-line Conducted Emissions | 150kHz-30MHz      | $\pm 3.44$ dB        |
| Radiated Emissions                | 30MHz-1000MHz     | $\pm 6.00$ dB        |
| Radiated Emissions                | 1000MHz-18000MHz  | $\pm 5.14$ dB        |
| Radiated Emissions                | 18000MHz-40000MHz | $\pm 5.36$ dB        |

#### **4.0.Equipment List**

**Bluetooth ATE # 1 (SW Version: Ate Main\_3.1.12\_R1)**  
**Not Applicable**

### Radiated Emission Station

| DESCRIPTION                  | MODEL                | SERIAL NUMBER | CALIBRATION DATE | CALIBRATION DUE DATE |
|------------------------------|----------------------|---------------|------------------|----------------------|
| DRG HORN FREQ.               | SAS-571              | 719           | 31-Oct-25        | 31-Oct-26            |
| DRG HORN FREQ.               | SAS-571              | 1027          | 21-Jul-25        | 21-Jul-26            |
| DC Power Supply              | N7977A               | MY54420118    | 16-Apr-25        | 16-Apr-26            |
| SIGNAL GENERATOR             | SMB 100A             | 180683        | 20-Dec-24        | 20-Dec-27            |
| EMI TEST RECEIVER            | ESW44                | 101731        | 11-Aug-25        | 10-Aug-26            |
| 5m SEMI-ANECHOIC CHAMBER     | S800-HX              | J2308         | No Cal. Req'd    | No Cal. Req'd        |
| BILOG ANTENNA                | CBL 6112D            | 55546         | 30-Jun-25        | 30-Jun-26            |
| BILOG ANTENNA                | CBL6112D             | 30991         | 18-Mar-25        | 18-Mar-26            |
| DATA LOGGER THERMOHYGROMETER | SDL500               | A.016785      | 16-Jul-25        | 16-Jul-26            |
| SYSTEM CONTROLLER            | SC104V               | 050806-1      | No Cal. Req'd    | No Cal. Req'd        |
| TURNTABLE FLUSH MOUNT 2M     | FM2011               | FM2011-001    | No Cal. Req'd    | No Cal. Req'd        |
| ANTENNA POSITIONING TOWER    | TLT2                 | 090308-5      | No Cal. Req'd    | No Cal. Req'd        |
| BROAD-BAND HORN ANTENNA      | BBHA9170             | BBHA9170255   | 02-Apr-25        | 02-Apr-26            |
| PREAMPLIFIER 18-40GHz        | JS44-18004000-33-8P  | 2034566       | No Cal. Req'd    | No Cal. Req'd        |
| PREAMPLIFIER 1-18GHz         | EMC0518A45SE         | 981005        | 19-Sep-25        | 18-Sep-26            |
| PREAMPLIFIER                 | PAM-0118P            | 361           | 29-Sep-23        | 29-Sep-26            |
| LOOP ANTENNA                 | 6502                 | 00203479      | 02-Apr-25        | 02-Apr-26            |
| TEST SOFTWARE                | EMC.FCC.IC.RE.v1.8.1 |               |                  |                      |
| VERSION                      | 1.8.1                |               |                  |                      |

### AC Powerline Station

| Description            | Model #       | Serial Number | Calibration Date | Calibration Due Date |
|------------------------|---------------|---------------|------------------|----------------------|
| DATA LOGGER            | DSB           | 16344143      | 16-Jul-2025      | 16-Jul-2026          |
| V-NETWORK 2-LINE       | ENV216        | 101268        | 30-Jun-2025      | 30-Jun-2026          |
| EMI TEST RECEIVER      | ESCI          | 100225        | 4-Sep-2025       | 4-Sep-2026           |
| PROGRAMMABLE AC SOURCE | 61604         | ABR000000926  | 20-Aug-2025      | 20-Aug-2026          |
| TEST SOFTWARE          | EMC32         |               |                  |                      |
| VERSION                | Ver. 10.60.10 |               |                  |                      |

Note: Performed test site validation in accordance with ANSI C63.4-2014+C63.4a-2017 (30 MHz - 1 GHz) and CISPR 16-1-4 (1 GHz - 18 GHz) annually but no less than once every 3 years.

## 5.0. Test Mode Applicability and Test Channel Detail

The device employs MIMO technology. Below are the possible configurations.

| WLAN Configurations |                 | Mode    |           |                                       |           |                               |           |
|---------------------|-----------------|---------|-----------|---------------------------------------|-----------|-------------------------------|-----------|
|                     |                 | SISO    |           | Spatial Diversity Multiplexing (MIMO) |           | Cyclic Delay Diversity (MIMO) |           |
|                     | Antenna         | Primary | Secondary | Primary                               | Secondary | Primary                       | Secondary |
| 2.4GHz              | 802.11b         | √       | √         | x                                     | x         | x                             | x         |
|                     | 802.11g         | √       | √         | x                                     | x         | x                             | x         |
|                     | 802.11n (HT20)  | √       | √         | x                                     | x         | x                             | x         |
|                     | 802.11n (HT40)  | x       | x         | x                                     | x         | x                             | x         |
|                     | 802.11ax (HE20) | x       | x         | x                                     | x         | x                             | x         |
|                     | 802.11ax (HE40) | x       | x         | x                                     | x         | x                             | x         |

√ = Support;  
 x = NOT Support

**Note:** This Device supports simultaneous transmission operation, which allows for two SISO or two MIMO channels to operate independent of one another in the 2.4GHz band on each antenna. 802.11n mode is capable of transmitting simultaneously on two antennas using Cyclic Delay Diversity and Spatial Diversity Multiplexing (2x2 MIMO). The following tables show the worst case configurations determined during testing. The data for these configurations is contained in this test report.

### **Radiated Emission Test (Above 1GHz)**

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configure Mode | Modulation     | Available Channel | Tested Channel | Modulation Technology | Data Modulation Type     | Date Rate (Mbps) | Mode            | Environmental Conditions |
|--------------------|----------------|-------------------|----------------|-----------------------|--------------------------|------------------|-----------------|--------------------------|
| Test Mode          | 802.11b        | 1 to 11           | 1,6,11         | DSSS                  | DBPSK, DQPSK, CCK        | 2                | SISO            | 23.6°C, 68.8%RH          |
| Test Mode          | 802.11g        | 1 to 11           | 1,6,11         | OFDM                  | BPSK, QPSK, 16QAM, 64QAM | 6                | SISO            | 23.6°C, 68.8%RH          |
| Test Mode          | 802.11n (HT20) | 1 to 11           | 1,6,11         | OFDM                  | BPSK, QPSK, 16QAM, 64QAM | 6.5              | SISO CDD (MIMO) | 23.6°C, 68.8%RH          |
| Test Mode          | 802.11n (HT40) | 3 to 9            | 3,6,9          | OFDM                  | BPSK, QPSK, 16QAM, 64QAM | 6.5              | SISO CDD (MIMO) | NA                       |

### **Radiated Emission Test (Below 1GHz)**

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configure Mode | Modulation     | Available Channel | Tested Channel | Modulation Technology | Data Modulation Type     | Date Rate (Mbps) | Mode            | Environmental Conditions |
|--------------------|----------------|-------------------|----------------|-----------------------|--------------------------|------------------|-----------------|--------------------------|
| Test Mode          | 802.11b        | 1 to 11           | 1,6,11         | DSSS                  | DBPSK, DQPSK, CCK        | 2                | SISO            | 23.6°C, 68.8%RH          |
| Test Mode          | 802.11g        | 1 to 11           | 1,6,11         | OFDM                  | BPSK, QPSK, 16QAM, 64QAM | 6                | SISO            | 23.6°C, 68.8%RH          |
| Test Mode          | 802.11n (HT20) | 1 to 11           | 1,6,11         | OFDM                  | BPSK, QPSK, 16QAM, 64QAM | 6.5              | SISO CDD (MIMO) | 23.6°C, 68.8%RH          |
| Test Mode          | 802.11n (HT40) | 3 to 9            | 3,6,9          | OFDM                  | BPSK, QPSK, 16QAM, 64QAM | 6.5              | SISO CDD (MIMO) | NA                       |

### **Power Line Conducted Emission Test**

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configure Mode | Modulation      | Available Channel | Tested Channel | Modulation Technology | Data Modulation Type | Date Rate (Mbps) | Environmental Conditions |
|--------------------|-----------------|-------------------|----------------|-----------------------|----------------------|------------------|--------------------------|
| Application Mode   | 802.11bgn mixed | 1 to 11           | AUTO           | DSSS, OFDM            | AUTO                 | AUTO             | 22.5°C, 62.0%RH          |

### **Antenna Port Conducted Measurement:**

☐ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.

☐ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☐ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configure Mode | Modulation     | Available Channel | Tested Channel | Modulation Technology | Data Modulation Type | Data Rate (Mbps) | Mode            | Environmental Conditions |
|--------------------|----------------|-------------------|----------------|-----------------------|----------------------|------------------|-----------------|--------------------------|
| Test Mode          | 802.11b        | 1 to 11           | 1,6,11         | DSSS                  | QPSK                 | 2                | SISO            | NA                       |
| Test Mode          | 802.11g        | 1 to 11           | 1,6,11         | OFDM                  | BPSK                 | 6                | SISO            | NA                       |
| Test Mode          | 802.11n (HT20) | 1 to 11           | 1,6,11         | OFDM                  | BPSK                 | 6.5              | SISO CDD (MIMO) | NA                       |
| Test Mode          | 802.11n (HT40) | 1 to 11           | 3,6,9          | OFDM                  | BPSK                 | 6.5              | SISO CDD (MIMO) | NA                       |

### **Duty Cycle of Test Signal**

802.11b, 802.11g and 802.11n : Duty cycle of test signal is  $\geq 98\%$ . (Refer to Clause 6.3 for duty cycle test signal)

### **Final Reported Test Results**

The final reported test results are calculated using the following equation:

**Reported RF Measurement Results = Measured Measurement Results + Correction Factor**

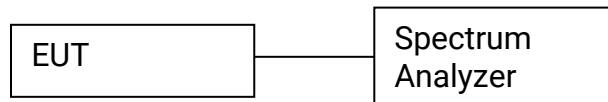
Where:

- **Measured Measurement Results** is the measured test results
- **Correction Factor** is the cumulative loss of all cables used during measurement, including temporary RF connector and antenna gain.

## 6.0. Transmitter Test Parameters

### 6.1. 6dB Channel Bandwidth

#### 6.1.1. Test Setup



- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the DUT and set DUT to transmit maximum power.
- c) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer :
  - a. RBW = 100 kHz
  - b. VBW = 300 kHz
  - c. Detector mode = Peak
  - d. Trace = Max hold
  - e. Sweep = auto
- e) Measure the freq different of two frequencies that were attenuated 6dB from peak of the emission & record the frequency difference as the emission bandwidth.
- f) Measure every antenna port by repeat the step above for MIMO measurement.

#### 6.1.2. Test Limits:

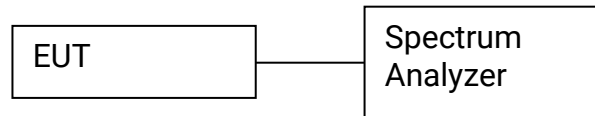
| Normal Condition (25 ° C) |
|---------------------------|
| ≥500 kHz                  |

**6.1.3. Test Data:**

**Not Applicable**

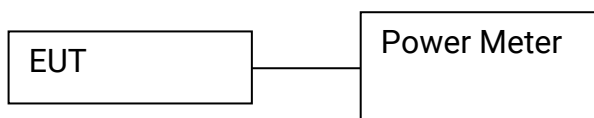
## 6.2. Conducted RF Output Power

### 6.2.1. Test Setup



#### Average

- Check and ensure the spectrum analyzer well calibrate.
- Turn on the DUT and set DUT to transmit maximum power.
- Measure the duty cycle of transmitter output signal.
- Setting of Spectrum analyzer :
  - Set the RBW = 300 kHz.
  - Set the VBW  $\geq [3 \times \text{RBW}]$ .
  - Set the span  $\geq [1.5 \times \text{OBW bandwidth}]$ .
  - Detector = average.
  - Sweep time = auto couple.
  - Trace mode = free run.
  - Allow trace to fully stabilize.
- Add in duty cycle correction into final test result.
- Duty cycle correction is calculated as below:  
 $10 \log (1/x)$
- Measure every antenna port by repeat the step above for MIMO measurement.



#### Peak

- Set the following settings on the power meter:
  - Preset -> reset
  - Cal/Zero -> Zero & Cal
  - Preset -> 802.11g
  - Sensor -> Cal Factor -> Enter freq
  - Channel -> Trigger -> Trigger Source -> Internal, Rising Edge
  - Channel -> Trigger -> More -> Arming -> Automatic
  - Channel -> Averaging -> Averaging
  - Sensor -> offset -> fixed to couple for losses from ancillaries
  - Record peak data
- Key up DUT
- Restart averaging and read data once the numbers stabilize.
- Record power by reading peak data
- Repeat the steps in (1) (omit first 3 steps if done previously) by setting DUT to transmit at mid frequency and high frequency.

### 6.2.2. Test Limits:

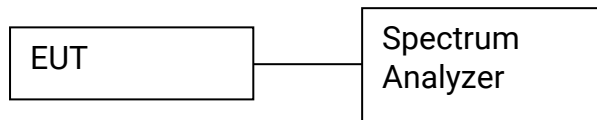
|                                  |
|----------------------------------|
| <b>Normal Condition (25 ° C)</b> |
| <b>≤1 Watt(30 dBm)</b>           |

**6.2.3. Test Data:**

**Not Applicable**

### 6.3. Duty Cycle of the test signal

#### 6.3.1. Test Setup

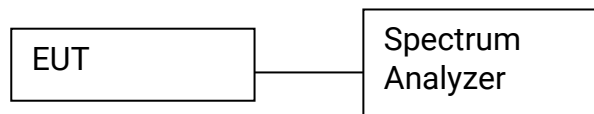


- 1) Check and ensure the spectrum analyzer well calibrate.
- 2) Turn on the DUT and set DUT to transmit maximum power.
- 3) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- 4) Setting of Spectrum analyzer :
  - a. Set the RBW = 10 MHz or the highest RBW available on spectrum analyzer.
  - b. Set the VBW  $\geq$  RBW.
  - c. Set the span  $\geq [1.5 \times \text{DTS bandwidth}]$ .
  - d. Detector = Peak.
  - e. Sweep time = 10ms or others that allow to measure accurate duty cycle.
  - f. Trace mode = max hold.
  - g. Allow trace to fully stabilize.
- 5) Record the duty cycle as X and save the plot.
- 6) Measure every antenna port by repeat the step above for MIMO measurement.

**6.3.2. Test Data**  
**Not Applicable**

## 6.4. Maximum Peak Power Spectral Density

### 6.4.1. Test Setup



#### Maximum Peak

- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the DUT and set DUT to transmit maximum power.
- c) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer :
  - a. Set analyzer center frequency to DTS channel center frequency.
  - b. Set the span to 1.5 times the DTS bandwidth.
  - c. Set the RBW to  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ .
  - d. Set the VBW  $\geq [3 \times \text{RBW}]$ .
  - e. Detector = peak.
  - f. Sweep time = auto couple.
  - g. Trace mode = max hold.
  - h. Allow trace to fully stabilize.
  - i. Use the peak marker function to determine the maximum amplitude level within the RBW.
  - j. If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.
- e) Measure every antenna port by repeat the step above for MIMO measurement.

### 6.4.2. Test Limits

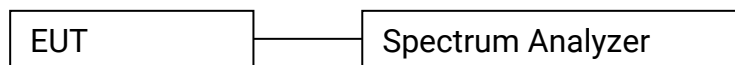
|                                             |
|---------------------------------------------|
| <b>Normal Condition (25 ° C)</b>            |
| <b><math>\leq 8 \text{ dBm/3kHz}</math></b> |

**6.4.3. Test Result**

**Not Applicable**

## 6.5. Conducted Spurious Emission

### 6.5.1. Test Setup



- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the DUT and set DUT to transmit maximum power.
- c) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer :
  - a. RBW = 100 kHz
  - b. VBW = 300 kHz
  - c. Detector mode = Peak
  - d. Trace = Max Hold
  - e. Sweep = auto
- e) Use the peak marker function to measure highest emission and scan up to 10<sup>th</sup> harmonic.
- f) Measure every antenna port by repeat the step above for MIMO measurement.

### 6.5.2. Test Limits:

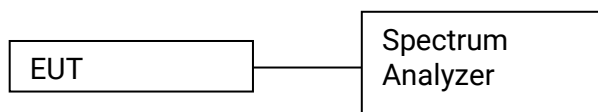
|                                                                 |
|-----------------------------------------------------------------|
| <b>Normal Condition (25 ° C)</b>                                |
| <b>Shall be at least 20 dB below max power. (Peak detector)</b> |

**6.5.3. Test Result**

**Not Applicable**

## 6.6. Band edge Conducted Spurious Emission

### 6.6.1. Test Setup



- a) Check and ensure the spectrum analyzer well calibrate.
- b) Turn on the DUT and set DUT to transmit maximum power.
- c) Connect DUT's antenna terminal to spectrum analyzer with a low loss cable.
- d) Setting of Spectrum analyzer :
  - a. RBW = 100 kHz
  - b. VBW = 300 kHz
  - c. Detector mode = Peak
  - d. Trace = Max Hold
  - e. Sweep = auto
- e) Use the peak marker function to measure highest emission.
- f) Measure every antenna port by repeat the step above for MIMO measurement.

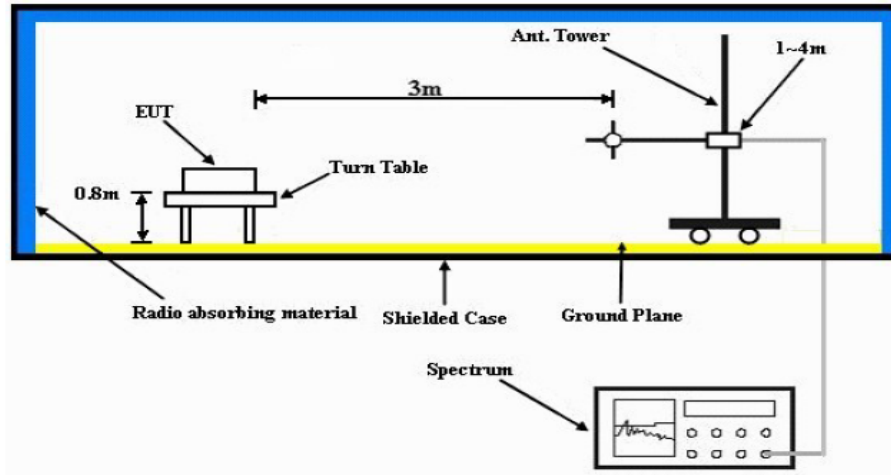
### 6.6.2. Test Limits:

|                                                                 |
|-----------------------------------------------------------------|
| <b>Normal Condition (25 ° C)</b>                                |
| <b>Shall be at least 20 dB below max power. (Peak detector)</b> |

**6.6.3. Test Result**  
**Not Applicable**

## 6.7. Radiated Emission within restricted Bands

### 6.7.1. Test Setup



- The EUT is placed on the top of a rotating table 0.8m above the ground (<1GHz) and 1.5m above the ground (>1GHz) at a 3m semi-anechoic chamber. The table is rotated 360 degrees to determine the position of the highest radiation.
- The EUT is set 3m away from the interference-receiving antenna, which is mounted on the top of a variable-height antenna tower.
- The antenna is Bilog/Horn antenna depend on which frequency range uses, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT is arranged to its worst case and then the antenna is tuned to heights from 1m to 4m and the rotatable table is turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system is set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode is fall within the range of 10dB from the limit specified, the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. Otherwise, the testing could be stopped and the peak values of the EUT would be reported.

#### NOTE:

- The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection at frequency below 1GHz.
- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1 GHz.
- All modes of operation were investigated and the worst-case emissions are reported.

#### 6.7.2. Test Limits:

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power.

| Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (meters) |
|-----------------|-----------------------------------|-------------------------------|
| 0.009-0.490     | 2400/F(kHz)                       | 300                           |
| 0.490-1.705     | 24000/F(kHz)                      | 30                            |
| 1.705-30.0      | 30                                | 30                            |
| 30-88           | 100**                             | 3                             |
| 88-216          | 150**                             | 3                             |
| 216-960         | 200**                             | 3                             |
| Above 960       | 500                               | 3                             |

#### NOTE:

- The lower limit shall apply at the transition frequencies.
- Emission level (dBuV/m) = 20 log Emission level (uV/m).
- For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

### 6.7.3. Test Data:

#### Motorola Solutions

#### SAC TX Radiated Emission : 1665N00-EMC-00007

|                              |                                                                    |                                    |               |
|------------------------------|--------------------------------------------------------------------|------------------------------------|---------------|
| <b>FCC ID:</b>               | AZ499FT7183                                                        | <b>IC:</b>                         | 109U-99FT7183 |
| <b>Model No:</b>             | B20CJM2BE2AN                                                       | <b>Serial No:</b>                  | 952EBJ0061    |
| <b>Battery:</b>              | -                                                                  | <b>Charger:</b>                    | PMPN5057A-CF1 |
| <b>Accessory:</b>            | PS000649A01-CF5, CB001372A01-CF1                                   |                                    |               |
| <b>Test Mode:</b>            | Wifi 2.4 GHz 802.11b                                               | <b>Channel SP/Bandwidth (kHz):</b> | 20000.0000    |
| <b>Test Frequency (MHz):</b> | 2412.0000                                                          | <b>Softpot Power:</b>              | -             |
| <b>Plane:</b>                | Y-Plane                                                            | <b>Band:</b>                       | -             |
| <b>Test Standard:</b>        | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 | <b>Voltage (V):</b>                | 120.00        |

| Antenna Polarization | Detector   | Spur Freq (MHz) | Spur Level (dBμV/m) | Carrier Power (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|----------------------|------------|-----------------|---------------------|------------------------|----------------|-------------|
| Horizontal           | Peak       | 36.9344         | 23.65 *             | 98.41                  | 78.41          | 54.77       |
| Vertical             | Peak       | 37.2951         | 26.10 *             | 98.41                  | 78.41          | 52.31       |
| Vertical             | Quasi-Peak | 280.7061        | 21.71 *             | -                      | 46.00          | 24.29       |
| Horizontal           | Quasi-Peak | 280.7920        | 25.78 *             | -                      | 46.00          | 20.22       |
| Horizontal           | Quasi-Peak | 329.6530        | 27.98               | -                      | 46.00          | 18.02       |
| Vertical             | Quasi-Peak | 329.7050        | 20.02 *             | -                      | 46.00          | 25.98       |
| Horizontal           | Peak       | 461.9118        | 31.49 *             | 98.41                  | 78.41          | 46.93       |
| Vertical             | Peak       | 462.0497        | 24.13 *             | 98.41                  | 78.41          | 54.29       |
| Vertical             | Peak       | 464.0508        | 29.50 *             | 98.41                  | 78.41          | 48.91       |
| Horizontal           | Peak       | 464.0648        | 32.71 *             | 98.41                  | 78.41          | 45.70       |
| Vertical             | Peak       | 468.5789        | 31.99 *             | 98.41                  | 78.41          | 46.42       |
| Horizontal           | Peak       | 468.5789        | 28.54 *             | 98.41                  | 78.41          | 49.87       |
| Horizontal           | Peak       | 477.4836        | 30.58 *             | 98.41                  | 78.41          | 47.83       |
| Vertical             | Peak       | 477.5455        | 31.57 *             | 98.41                  | 78.41          | 46.84       |
| Vertical             | Peak       | 671.5395        | 31.64 *             | 98.41                  | 78.41          | 46.77       |
| Horizontal           | Peak       | 672.0000        | 29.74 *             | 98.41                  | 78.41          | 48.67       |
| Vertical             | Peak       | 4823.7410       | 48.91 *             | -                      | 74.00          | 25.09       |
| Vertical             | Average    | 4823.7410       | 43.79               | -                      | 54.00          | 10.21       |
| Horizontal           | Peak       | 4823.9210       | 47.99 *             | -                      | 74.00          | 26.01       |
| Horizontal           | Average    | 4823.9210       | 36.40               | -                      | 54.00          | 17.60       |

|                            |                                                                                  |                       |                   |
|----------------------------|----------------------------------------------------------------------------------|-----------------------|-------------------|
| <b>Temperature (°C) :</b>  | 23.6                                                                             | <b>Humidity (%) :</b> | 68.8              |
| <b>Test Performed by :</b> | Nazrin & Rezza                                                                   | <b>Test Date :</b>    | Mon, 16 Feb, 2026 |
| <b>System MU :</b>         | 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz) |                       |                   |

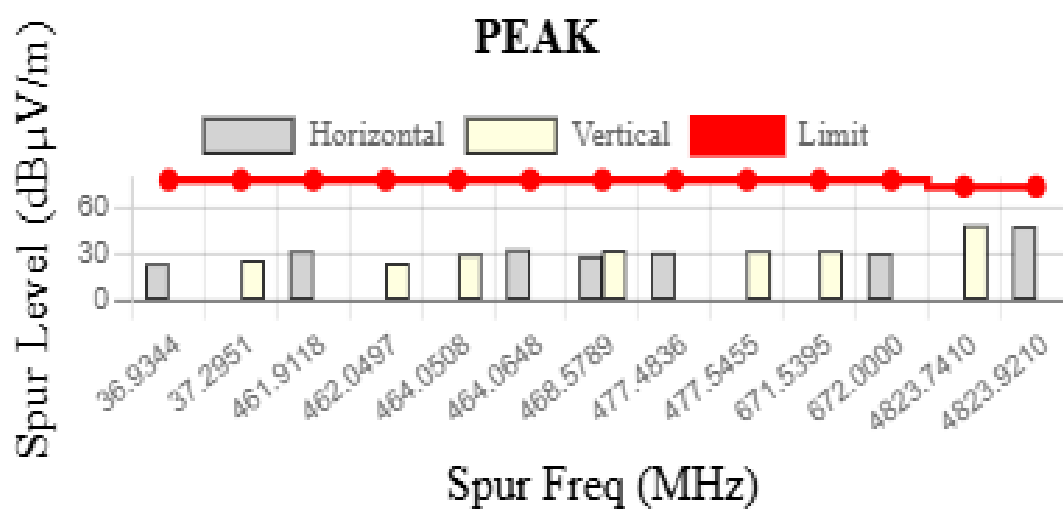
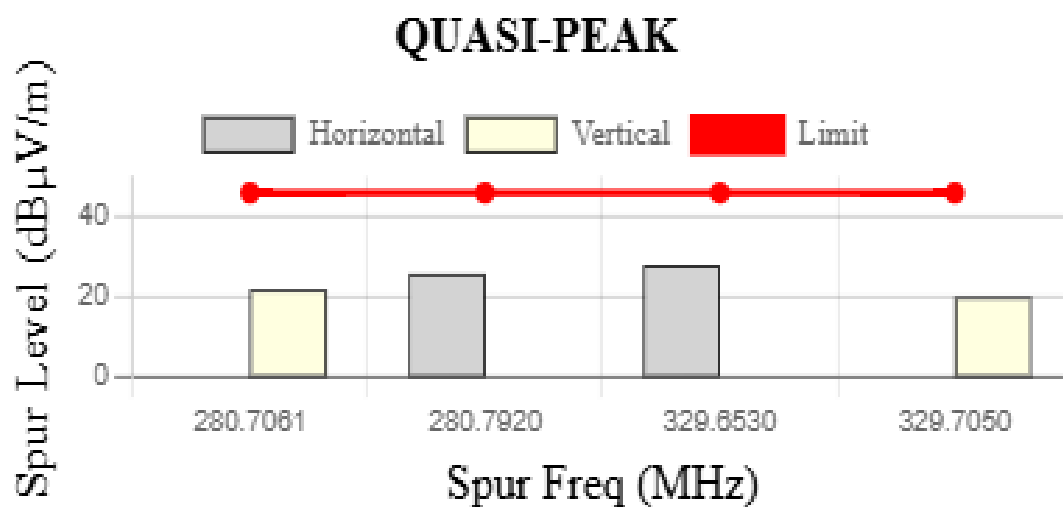
#### Remarks:

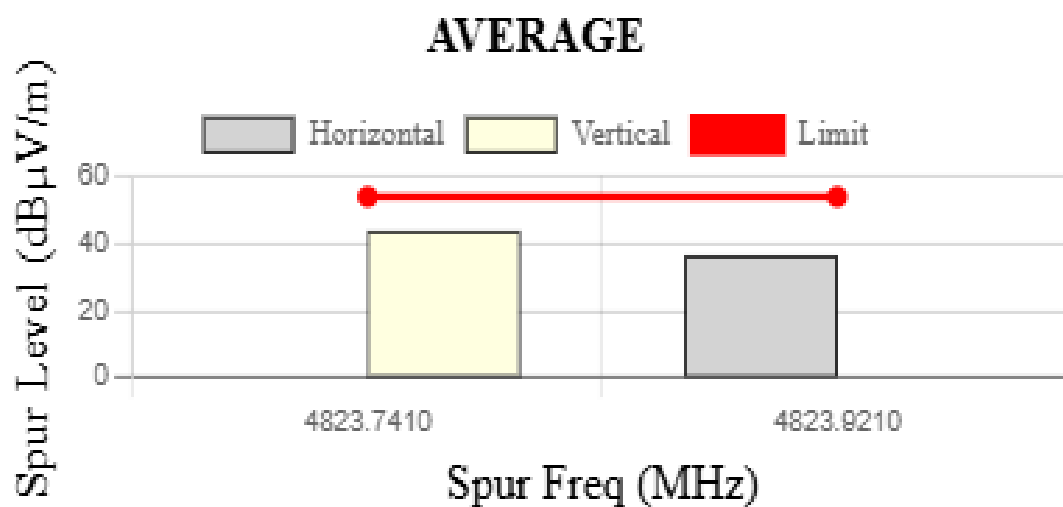
\*\* Indicates the spurious emission could not be detected due to noise limitations or ambient.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported.

#### NOTE :

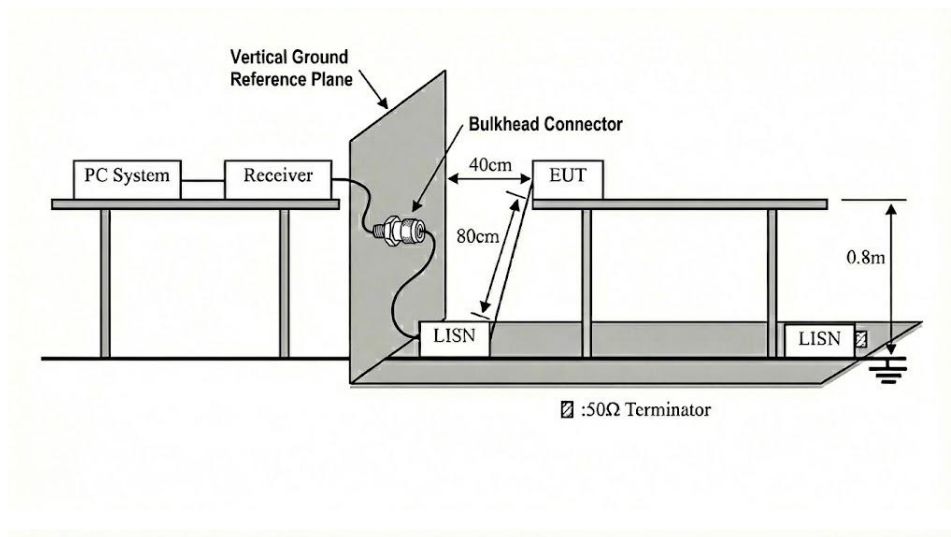
- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.





## 6.8. AC Powerline Conducted Emission

### 6.8.1. Test Setup



- 1) Tests were conducted for both Receive and Transmit Mode of the EUT.
- 2) The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN) and connected to test receiver. All other EUT support units were connected to the power mains through another LISN terminated with 50 ohm loads.
- 3) Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- 4) The frequency range from 150 kHz to 30MHz was measured.

### 6.8.2. Test Limits:

For AC Power Line Conducted Test Limit can be Class A or B depends on product classification.

Limits for conducted disturbance at the mains ports  
of class A ITE

| Frequency range<br>MHz | Limits<br>dB(μV) |         |
|------------------------|------------------|---------|
|                        | Quasi-peak       | Average |
| 0,15 to 0,50           | 79               | 66      |
| 0,50 to 30             | 73               | 60      |

NOTE The lower limit shall apply at the transition frequency.

Table 1: Limits for Conducted Disturbance at the Mains Ports of Class A ITE.

**Limits for conducted disturbance at the mains ports  
of class B ITE**

| Frequency range<br>MHz                                                                                                                                                          | Limits<br>dB( $\mu$ V) |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------|
|                                                                                                                                                                                 | Quasi-peak             | Average  |
| 0,15 to 0,50                                                                                                                                                                    | 66 to 56               | 56 to 46 |
| 0,50 to 5                                                                                                                                                                       | 56                     | 46       |
| 5 to 30                                                                                                                                                                         | 60                     | 50       |
| NOTE 1 The lower limit shall apply at the transition frequencies.<br>NOTE 2 The limit decreases linearly with the logarithm of the frequency in the range 0,15 MHz to 0,50 MHz. |                        |          |

**Table 2: Limits for Conducted Disturbance at the Mains Ports of Class B ITE**

### 6.8.3. Test Result

## Conducted Emission

### EUT Information

Report ID: 1665N00-EMC-00007  
Temperature: 22.5 °C  
Humidity: 62.0 %RH  
Tester: Helmy  
Date of Test: 23 Jan 2026

### EMI Auto Test Template: AC Voltage with 2-Line-LISN

Hardware Setup: Voltage with 2-Line-LISN  
Measurement Type: 2 Line LISN  
Frequency Range: 150 kHz - 30 MHz  
Graphics Level Range: 0 dBμV - 80 dBμV

Preview Measurements:  
Scan Test Template: Voltage with 2-Line-LISN pre

Data Reduction:  
Limit Line #1: FCC Part 15 Class B Voltage on Mains QP  
Limit Line #2: FCC Part 15 Class B Voltage on Mains AV  
Peak Search: 6 dB , Maximum Results: 20  
Subrange Maxima: 1 Subranges , Maxima per Subrange: 1  
Acceptance Offset: -15 dB  
Maximum Number of Results: 20

Maximization Measurements:  
Template for Single Meas.: Voltage with 2-Line-LISN max

Final Measurements:  
Template for Single Meas.: Voltage with 2-Line-LISN fin

| Subrange                             | Step Size | Detectors | IF BW | Meas. Time | Preamp |
|--------------------------------------|-----------|-----------|-------|------------|--------|
| Receiver: [ESCI]<br>150 kHz - 30 MHz | 4.5 kHz   | QPK ; CAV | 9 kHz | 1 s        | 0 dB   |

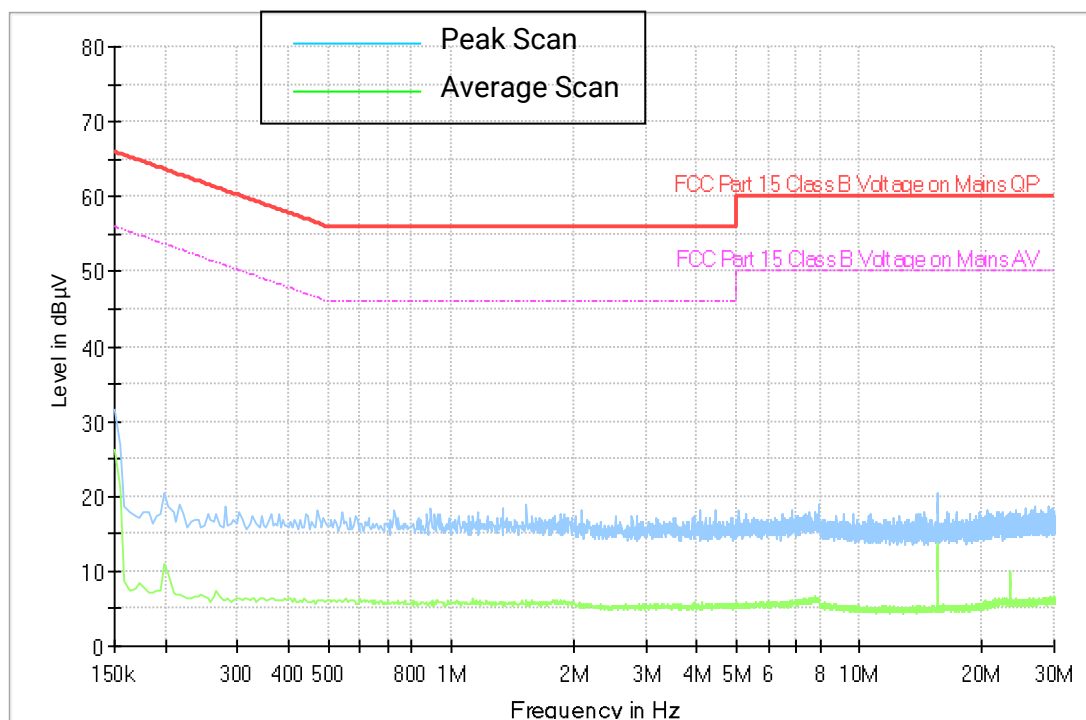
System Expanded Uncertainty (MU) = +/- 3.44dB

**Test Data**

**120VAC 60Hz**

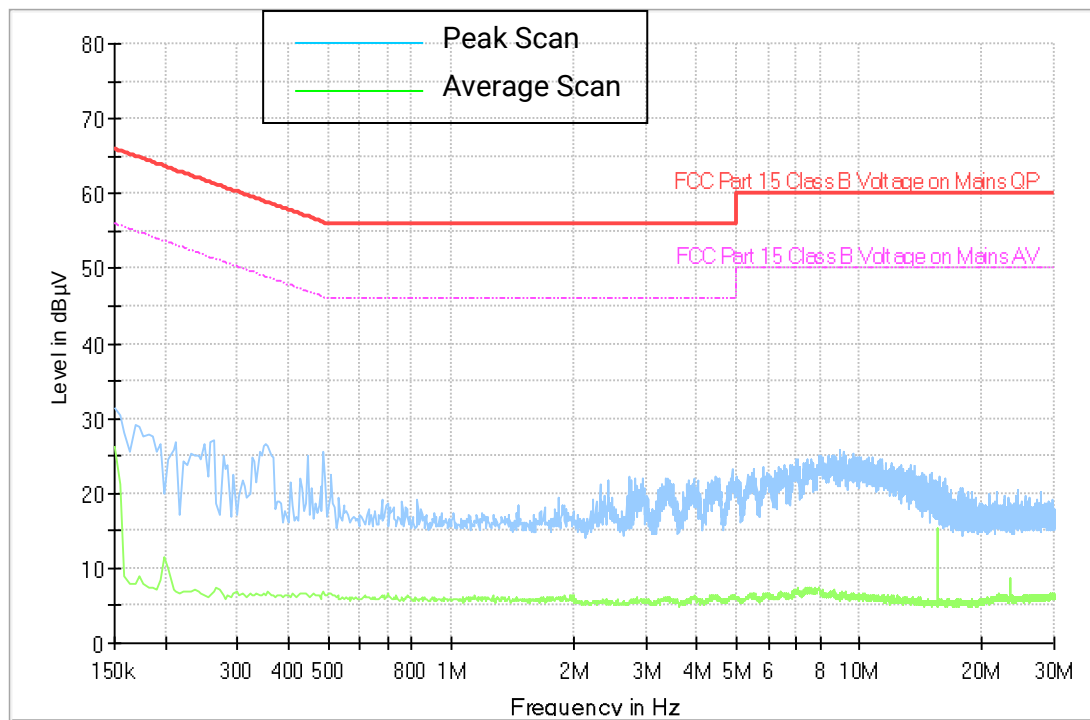
1) Ambient

Full Spectrum

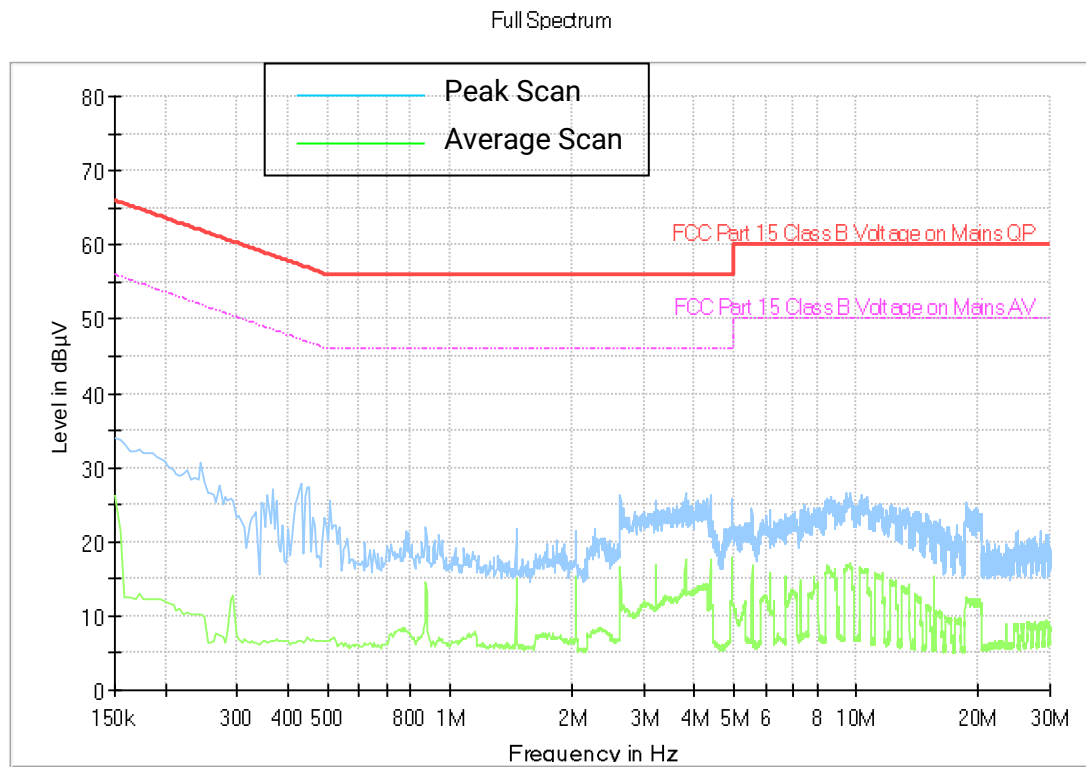


## 2) Charger Alone

Full Spectrum

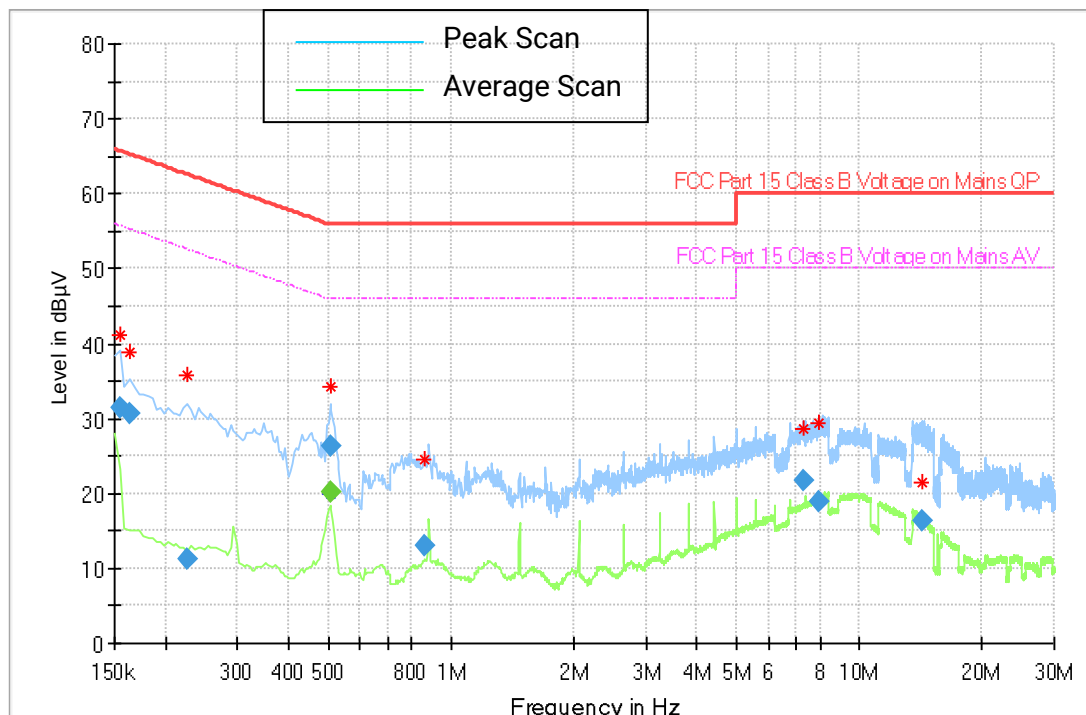


### 3) Charger + Camera Standby



#### 4) Charger + Camera with WIFI 2.4GHz Transmit

Full Spectrum



#### QuasiPeak and Average Measurement

| Frequency (MHz) | QuasiPeak (dBμV) | CAverage (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.154500        | 31.50            | ---             | 65.75        | 34.25       | N    | ON     | 10.5       |
| 0.163500        | 30.78            | ---             | 65.28        | 34.51       | N    | ON     | 10.7       |
| 0.226500        | 11.37            | ---             | 62.58        | 51.21       | N    | ON     | 10.3       |
| 0.505500        | 26.33            | ---             | 56.00        | 29.67       | N    | ON     | 10.6       |
| 0.505500        | ---              | 20.27           | 46.00        | 25.73       | N    | ON     | 10.6       |
| 0.865500        | 13.03            | ---             | 56.00        | 42.97       | N    | ON     | 10.4       |
| 7.309500        | 21.70            | ---             | 60.00        | 38.30       | L1   | ON     | 10.4       |
| 7.948500        | 18.95            | ---             | 60.00        | 41.05       | L1   | ON     | 10.4       |
| 14.302500       | 16.37            | ---             | 60.00        | 43.63       | N    | ON     | 10.4       |

**END OF TEST REPORT**