# EMC MEASUREMENT REPORT

| | |
|---|---|
| **FCC ID:** | 2AI9TOAW-AP152X |
| **Applicant:** | ALE USA Inc. |
| **Address:** | 2000 Corporate Center Drive Thousand Oaks, CA 91320 |
| **Product:** | OmniAccess Stellar |
| **Model No.:** | OAW-AP1521 |
| **Brand Name:** | Alcatel-Lucent Enterprise |
| **FCC Rule Part(s):** | FCC Part 15 Subpart B |
| **ISED Rule(s):** | ICES-003 Issue 7 (October 15, 2020)<br>RSS-Gen Issue 5 |
| **Test Procedure:** | ANSI C63.4 - 2014 |
| **Result:** | Complies |
| **Received Date:** | 2024-08-13 |
| **Test Date:** | 2024-10-27 ~ 2024-12-18 |

**Reviewed By:** Vincent Yu

**Approved By:** Robin Wu

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

The test results relate only to the samples tested.
This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2014. Test results reported herein relate only to the item(s) tested.

## Revision History

| Report No. | Version | Description | Issue Date | Note |
|---|---|---|---|---|
| 2408RSU020-U8 | V01 | Initial Report | 2024-12-27 | Valid |
| | | | | |

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# 1. General Information

## 1.1. Applicant

ALE USA Inc.

2000 Corporate Center Drive Thousand Oaks, CA 91320

## 1.2. Manufacturer

ALE USA Inc.

2000 Corporate Center Drive Thousand Oaks, CA 91320

## 1.3. Testing Facility

| | | | | | |
|---|---|---|---|---|---|
| ☒ | **Test Site – MRT Suzhou Laboratory** | | | | |
| | **Laboratory Location (Suzhou - Wuzhong)**<br>D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China<br>**Laboratory Location (Suzhou - SIP)**<br>4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China<br>**Laboratory Location (Suzhou - Wujiang)**<br>Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China | | | | |
| | **Laboratory Accreditations** | | | | |
| | A2LA: 3628.01 | | CNAS: L10551 | | |
| | FCC: CN1166 | | ISED: CN0001 | | |
| | VCCI: | ☐R-20025 | ☐G-20034 | ☐C-20020 | ☐T-20020 |
| | | ☐R-20141 | ☐G-20134 | ☐C-20103 | ☐T-20104 |
| ☐ | **Test Site – MRT Shenzhen Laboratory** | | | | |
| | **Laboratory Location (Shenzhen)**<br>1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China | | | | |
| | **Laboratory Accreditations** | | | | |
| | A2LA: 3628.02 | | CNAS: L10551 | | |
| | FCC: CN1284 | | ISED: CN0105 | | |
| ☐ | **Test Site – MRT Taiwan Laboratory** | | | | |
| | **Laboratory Location (Taiwan)**<br>No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) | | | | |
| | **Laboratory Accreditations** | | | | |
| | TAF: 3261 | | | | |
| | FCC: 291082, TW3261 | | ISED: TW3261 | | |

### 1.4. Product Information

| | |
|---|---|
| Product Name | OmniAccess Stellar |
| Model No. | OAW-AP1521 |
| EUT Identification No. | 20240819Sample#17 (Mode 1)<br>20241104Sample#02 (Mode 2)<br>20240819Sample#16 & 20240819Sample#17 (Mode 3 ~ 7) |
| Wi-Fi Specification | 802.11a/b/g/n/ac/ax/be |
| Zigbee Specification | 802.15.4 |
| Bluetooth Specification | V5.1 Single Mode |
| Power Type | AC/DC Adapter Input or PoE Input |
| Operating Environment | Indoor Use |
| Accessories | |
| AC/DC Adapter | Model: ADP-50GR B<br>Input: 100-240V ~ 50/60Hz, 1.3A<br>Output: 48.0V, 1.042A, 50.1W MAX |
| PoE Injector | Model: POE60U-1BT-X (ALE P/N: POE60U-1BT-X-R)<br>Input: 100-240V ~ 1.5A, 50/60Hz<br>Output: 56.0V, 0.535A, 30W<br>PIN 3, 6+<br>PIN 1, 2 Return<br>Output: 56.0V, 0.535A, 30W<br>PIN 4, 5+<br>PIN 7, 8 Return |

Notes:

1. The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.
2. AC/DC Adapter and PoE Injector are not sold with product.

# 2. Test Configuration

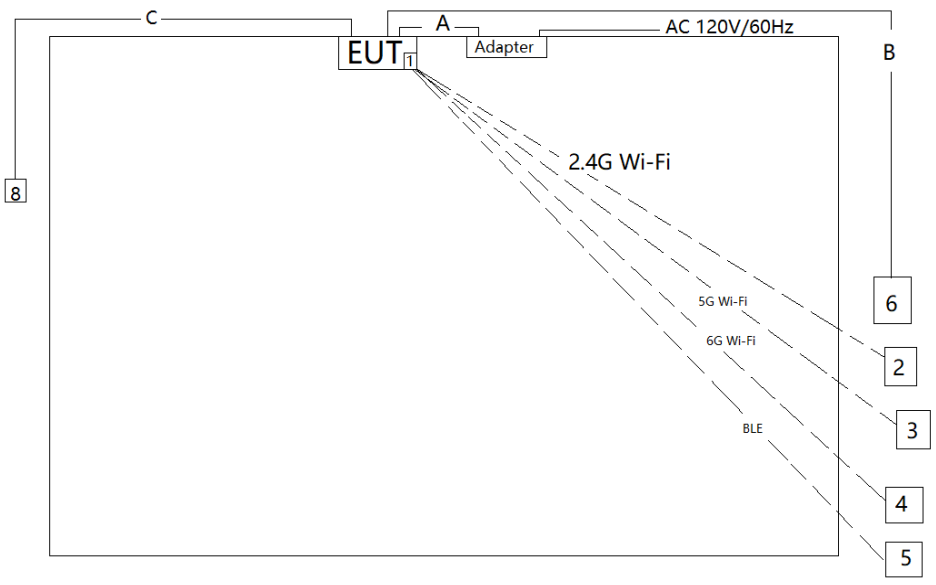
## 2.1. Test Mode

| |
|---|
| Mode 1: OAW-AP1521 powered by adapter + Ethernet port connect to computer via LAN cable + Connect to mobile phone via 2.4G/5G/6G Wi-Fi + Connect to mobile phone via BLE + Plug USB flash and make it reading/writing. |
| Mode 2: OAW-AP1521 powered by PoE and connect to notebook via LAN cable + Connect to mobile phone via 2.4G/5G/6G Wi-Fi + Connect to signal generator via Zigbee + Plug USB flash and make it reading/writing. |
| Mode 3: OAW-AP1521 powered by adapter Ethernet port connect to computer via LAN cable + Plug USB flash + Make EUT in 2.4GHz Wi-Fi receiving mode. |
| Mode 4: OAW-AP1521 powered by adapter Ethernet port connect to computer via LAN cable + Plug USB flash + Make EUT in 5GHz Wi-Fi receiving mode. |
| Mode 5: OAW-AP1521 powered by adapter Ethernet port connect to computer via LAN cable + Plug USB flash + Make EUT in 6GHz Wi-Fi receiving mode. |
| Mode 6: OAW-AP1521 powered by adapter Ethernet port connect to computer via LAN cable + Plug USB flash + Make EUT in BLE receiving mode. |
| Mode 7: OAW-AP1521 powered by adapter Ethernet port connect to computer via LAN cable + Plug USB flash + Make EUT in Zigbee receiving mode. |

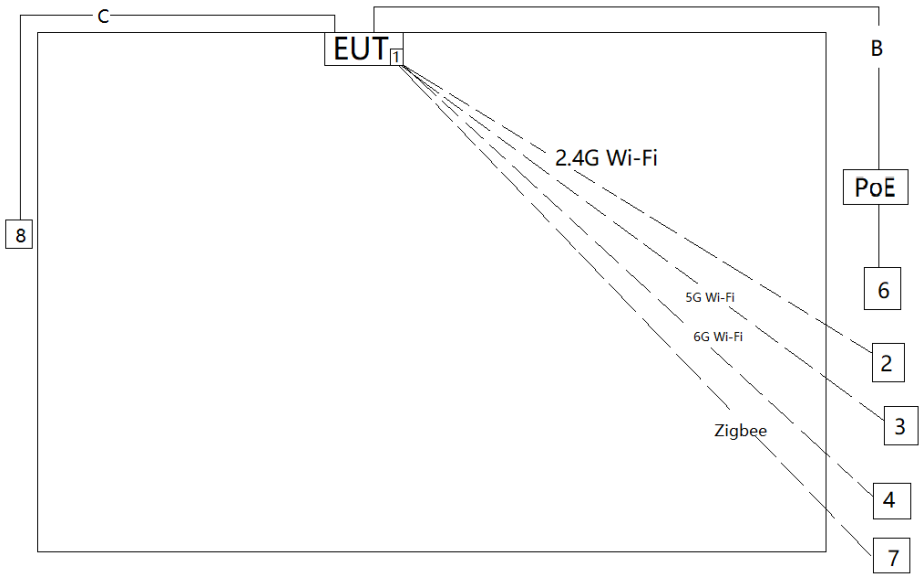
## 2.2. Configuration of Tested System

The measurement procedures and appropriate EUT setup described in the ANSI C63.4-2014 was used in the measurement.

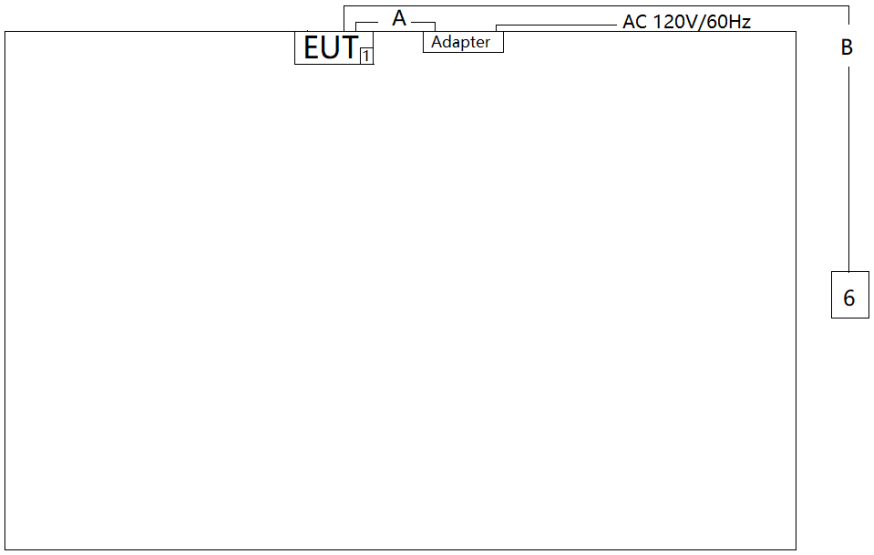
Mode 1



Mode 2




Mode 3 ~ 7




| No. | Cable Type | Cable Spec. | Length |
|---|---|---|---|
| A | DC Power Cable | Shielding | 1.6m |
| B | LAN Cable | Non-Shielding, Cat 6 | >10.0m |
| C | LAN Cable | Non-Shielding, Cat 5e | >10.0m |
| No. | Product | Manufacturer | Model No. |
| 1 | USB Flash | Samsung | 64G |
| 2 | Mobile Phone | Apple | iPhone 6S |
| 3 | Mobile Phone | Apple | iPhone 13 |
| 4 | Mobile Phone | VIVO | X90 Pro |
| 5 | Mobile Phone | OPPO | X9009 |

| | | | |
|---|---|---|---|
| 6 | Computer | HP | ZHAN 66 |
| 7 | Signal Generator | R&S | SMU200A |
| 8 | Notebook | Lenovo | Thinkbook16 |

### 2.3. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

## 3. Measuring Instrument

| Instrument Name | Manufacturer | Model No. | Asset No. | Cali. Interval | Cal. Due Date | Test Site |
|---|---|---|---|---|---|---|
| EMI Test Receiver | R&S | ESR7 | MRTSUE06001 | 1 year | 2025-12-05 | WZ-AC1 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | MRTSUE06023 | 1 year | 2025-07-26 | WZ-AC1 |
| Horn Antenna | Schwarzbeck | BBHA 9170 | MRTSUE06024 | 1 year | 2025-09-23 | WZ-AC1 |
| Preamplifier | Agilent | 83017A | MRTSUE06076 | 1 year | 2025-11-08 | WZ-AC1 |
| TRILOG Antenna | Schwarzbeck | VULB 9168 | MRTSUE06172 | 1 year | 2025-05-15 | WZ-AC1 |
| Anechoic Chamber | TDK | WZ-AC1 | MRTSUE06212 | 1 year | 2025-04-19 | WZ-AC1 |
| Signal Analyzer | Keysight | N9010B | MRTSUE06607 | 1 year | 2025-10-13 | WZ-AC1 |
| Thermohygrometer | testo | 608-H1 | MRTSUE11039 | 1 year | 2025-10-16 | WZ-AC1 |
| Preamplifier | EMCI | EMC184045SE | MRTSUE06640 | 1 year | 2025-01-11 | WZ-AC1 |
| TRILOG Antenna | Schwarzbeck | VULB 9162 | MRTSUE06022 | 1 year | 2025-04-17 | WZ-AC2 |
| EMI Test Receiver | Agilent | N9038A | MRTSUE06125 | 1 year | 2025-05-08 | WZ-AC2 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | MRTSUE06171 | 1 year | 2025-09-23 | WZ-AC2 |
| Preamplifier | Schwarzbeck | BBV 9718 | MRTSUE06176 | 1 year | 2025-05-06 | WZ-AC2 |
| Anechoic Chamber | RIKEN | WZ-AC2 | MRTSUE06213 | 1 year | 2025-04-18 | WZ-AC2 |
| Thermohygrometer | testo | 608-H1 | MRTSUE11263 | 1 year | 2025-10-16 | WZ-AC2 |
| Two-Line V-Network | R&S | ENV216 | MRTSUE06002 | 1 year | 2025-05-08 | WZ-SR2 |
| Shielding Room | MIX-BEP | WZ-SR2 | MRTSUE06215 | 5 years | 2026-12-20 | WZ-SR2 |
| Thermohygrometer | testo | 608-H1 | MRTSUE06404 | 1 year | 2025-05-12 | WZ-SR2 |
| EMI Test Receiver | R&S | ESR3 | MRTSUE06909 | 1 year | 2025-09-05 | WZ-SR2 |
| Four-Line V-Network | R&S | ENV432 | MRTSUE06615 | 1 year | 2025-09-05 | WZ-SR2 |
| Preamplifier | Schwarzbeck | BBV 9721 | MRTSUE06121 | 1 year | 2025-06-06 | SIP-AC3 |
| Horn Antenna | R&S | HF907 | MRTSUE06611 | 1 year | 2025-07-07 | SIP-AC3 |
| Thermohygrometer | testo | 608-H1 | MRTSUE06619 | 1 year | 2025-10-16 | SIP-AC3 |
| Preamplifier | EMCI | EMC012645SE | MRTSUE06642 | 1 year | 2025-01-11 | SIP-AC3 |
| TRILOG Antenna | Schwarzbeck | VULB 9168 | MRTSUE06646 | 1 year | 2025-07-29 | SIP-AC3 |
| Anechoic Chamber | RIKEN | SIP-AC3 | MRTSUE06782 | 1 year | 2025-12-20 | SIP-AC3 |
| Preamplifier | EMCI | EMC184045SE | MRTSUE06602 | 1 year | 2025-10-08 | SIP-AC3 |
| Horn Antenna | Schwarzbeck | BBHA 9170 | MRTSUE06599 | 1 year | 2025-09-08 | SIP-AC3 |
| Signal Analyzer | Keysight | N9010B | MRTSUE06603 | 1 year | 2025-09-05 | SIP-AC3 |
| Signal Analyzer | Keysight | N9020B | MRTSUE06604 | 1 year | 2025-02-03 | SIP-AC3 |
| Two-Line V-Network | R&S | ENV216 | MRTSUE06003 | 1 year | 2025-05-08 | SIP-SR2 |
| EMI Test Receiver | R&S | ESR3 | MRTSUE06612 | 1 year | 2025-05-08 | SIP-SR2 |
| Thermohygrometer | testo | 608-H1 | MRTSUE06621 | 1 year | 2025-10-29 | SIP-SR2 |
| Shielding Room | MIX-BEP | SIP-SR2 | MRTSUE06949 | 5 years | 2029-10-13 | SIP-SR2 |
| Four-Line V-Network | R&S | ENV432 | MRTSUE06614 | 1 year | 2025-10-13 | SIP-SR2 |

| Software | Version | Function |
|---|---|---|
| e3 | 230711 | RE & CE |
| Controller_MF 7802 | 2.03C | RE Antenna & turntable |
| Controller_MF 7802 | 1.02 | RE Antenna & Turntable |
| Controller_MF 7802BS | 1.02 | RE Antenna & Turntable |

# 4. Decision Rules and Measurement Uncertainty

## 4.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

## 4.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

| Conducted Emission Measurement |
|---|
| The maximum measurement uncertainty is evaluated as:<br>9kHz~150kHz: 3.02dB<br>150kHz~30MHz: 2.56dB |
| **Radiated Emission Measurement** |
| The maximum measurement uncertainty is evaluated as:<br>Horizontal: 30MHz~200MHz: 3.46dB<br>200MHz~1GHz: 3.78dB<br>1GHz~40GHz: 4.97dB<br>Vertical: 30MHz~200MHz: 4.07dB<br>200MHz~1GHz: 5.28dB<br>1GHz~40GHz: 4.78dB |

# 5. Test Result

## 5.1. Summary

| FCC Part Section(s) | ISED Section(s) | Test Description | Result |
|---|---|---|---|
| 15.107 | ICES-003 - 3.2.1<br>RSS-Gen - 7.2 | Conducted Emission | Pass |
| 15.109 | ICES-003 - 3.2.2<br>RSS-Gen - 7.3 | Radiated Emission | Pass |

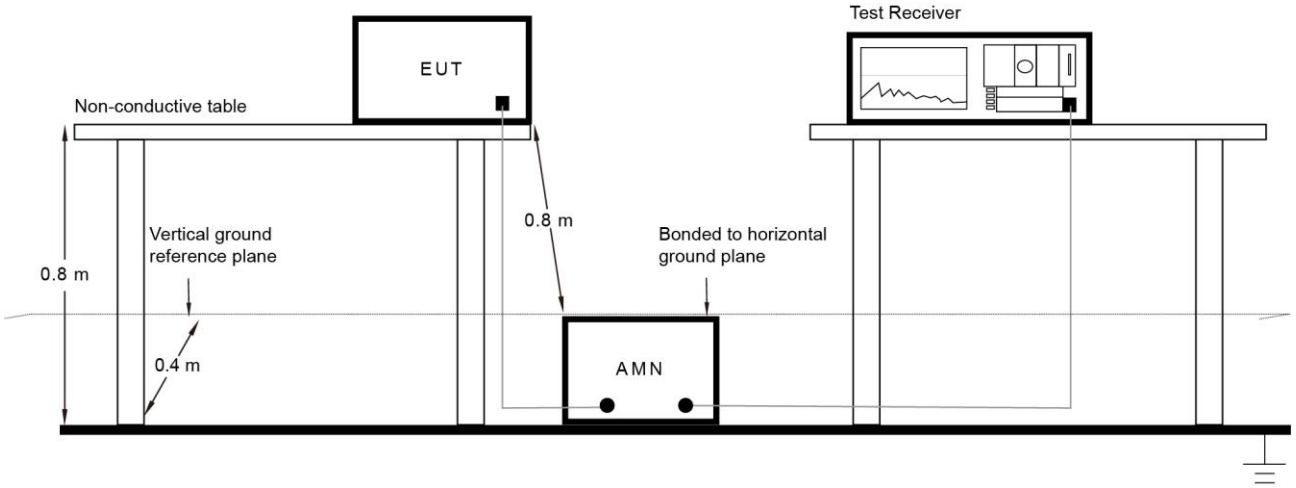
## 5.2. Conducted Emission

### 5.2.1. Test Limit

| FCC Part 15.107 / ICES-003 Conducted Emission Limits | | | | |
|---|---|---|---|---|
| Frequency Range (MHz) | Class A Limits | | Class B Limits | |
| | QP dB(μV) | AV dB(μV) | QP dB(μV) | AV dB(μV) |
| 0.15 ~ 0.5 | 79 | 66 | 66 to 56 | 56 to 46 |
| 0.5 ~ 5 | 73 | 60 | 56 | 46 |
| 5 ~ 30 | 73 | 60 | 60 | 50 |

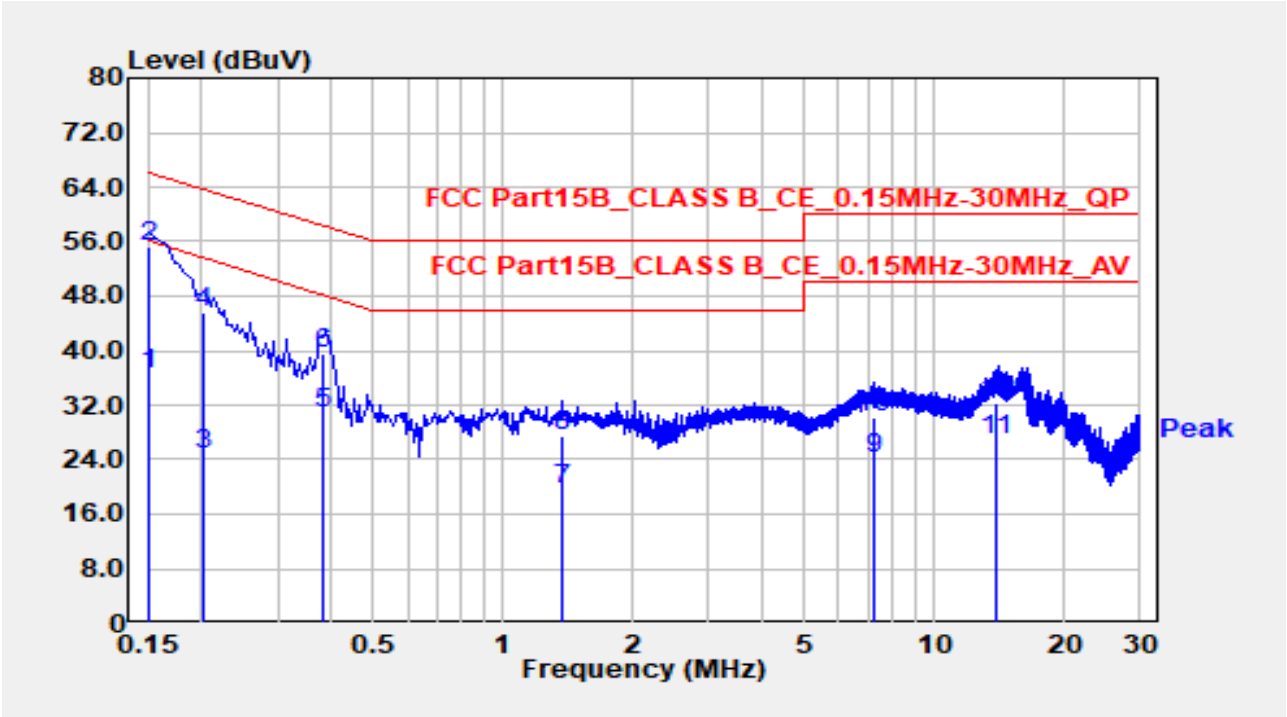
| RSS-Gen Receiver Conducted Emission Limits | | |
|---|---|---|
| Frequency Range (MHz) | QP dB(μV) | AV dB(μV) |
| 0.15 ~ 0.5 | 66 to 56 | 56 to 46 |
| 0.5 ~ 5 | 56 | 46 |
| 5 ~ 30 | 60 | 50 |

### 5.2.2. Test Setup



### 5.2.3. Test Result

| Site | WZ-SR2 | Test Date | 2024-10-28 |
|---|---|---|---|
| Test Engineer | Linda Wei | Temp./Humidity | 22.8°C/66.0% |
| Factor | ENV216_101683_L1_Filter Off_C | Polarity | Line |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 1, Power Port | | |

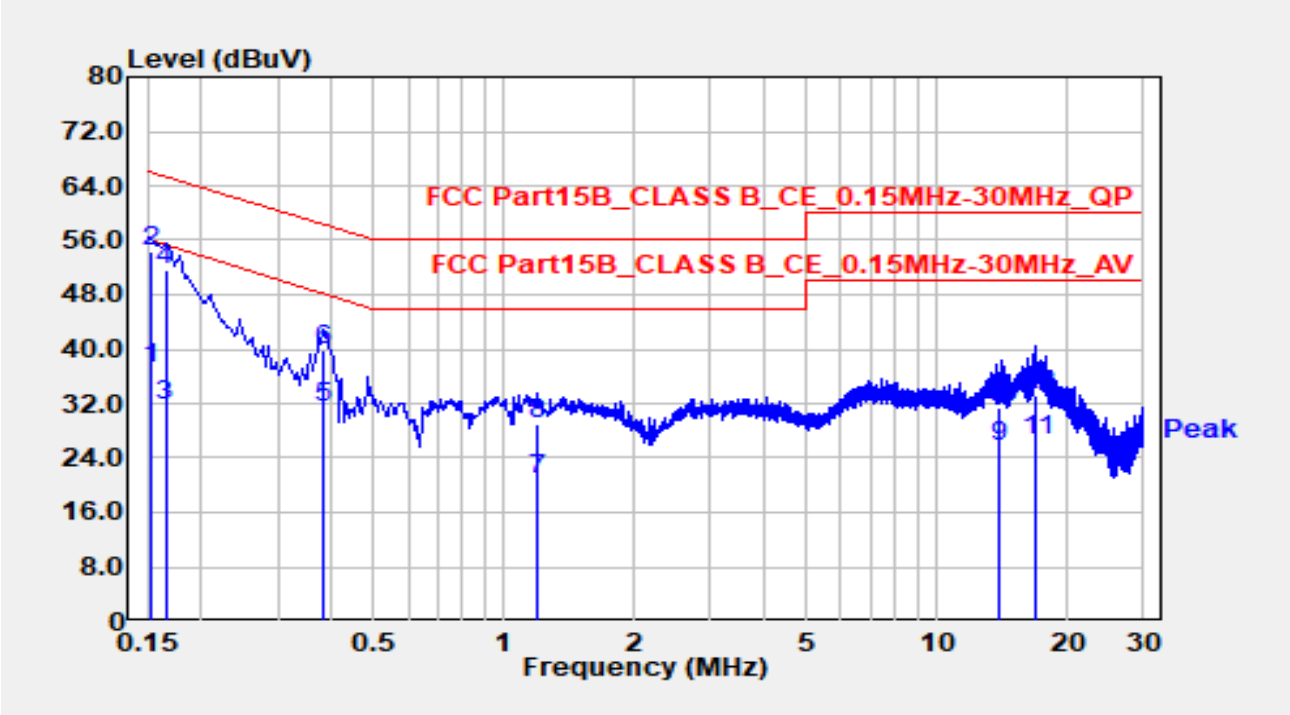



| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB) | Measurement (dBµV) | Margin (dB) | Limit (dBµV) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.150 | 26.70 | 9.82 | 36.52 | -19.48 | 56.00 | Average |
| 2 | * | 0.150 | 45.30 | 9.82 | 55.12 | -10.88 | 66.00 | QP |
| 3 | | 0.202 | 14.80 | 9.82 | 24.62 | -28.91 | 53.53 | Average |
| 4 | | 0.202 | 35.70 | 9.82 | 45.52 | -18.01 | 63.53 | QP |
| 5 | | 0.384 | 20.80 | 9.88 | 30.68 | -17.51 | 48.19 | Average |
| 6 | | 0.384 | 29.60 | 9.88 | 39.48 | -18.71 | 58.19 | QP |
| 7 | | 1.370 | 9.60 | 10.12 | 19.72 | -26.28 | 46.00 | Average |
| 8 | | 1.370 | 17.30 | 10.12 | 27.42 | -28.58 | 56.00 | QP |
| 9 | | 7.200 | 13.90 | 10.26 | 24.16 | -25.84 | 50.00 | Average |
| 10 | | 7.200 | 20.00 | 10.26 | 30.26 | -29.74 | 60.00 | QP |
| 11 | | 13.850 | 16.40 | 10.50 | 26.90 | -23.10 | 50.00 | Average |
| 12 | | 13.850 | 21.80 | 10.50 | 32.30 | -27.70 | 60.00 | QP |

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
3. Measurement (dBµV) = Reading (dBµV) + C.F (dB).

| Site | WZ-SR2 | Test Date | 2024-10-28 |
|---|---|---|---|
| Test Engineer | Linda Wei | Temp./Humidity | 22.8°C/66.0% |
| Factor | ENV216_101683_N_Filter Off_C | Polarity | Neutral |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 1, Power Port | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB) | Measurement (dBµV) | Margin (dB) | Limit (dBµV) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.152 | 27.00 | 10.13 | 37.13 | -18.76 | 55.89 | Average |
| 2 | * | 0.152 | 44.10 | 10.13 | 54.23 | -11.66 | 65.89 | QP |
| 3 | | 0.165 | 21.50 | 10.12 | 31.62 | -23.59 | 55.21 | Average |
| 4 | | 0.165 | 41.60 | 10.12 | 51.72 | -13.49 | 65.21 | QP |
| 5 | | 0.383 | 21.20 | 10.13 | 31.33 | -16.88 | 48.21 | Average |
| 6 | | 0.383 | 29.60 | 10.13 | 39.73 | -18.48 | 58.21 | QP |
| 7 | | 1.200 | 10.30 | 10.38 | 20.68 | -25.32 | 46.00 | Average |
| 8 | | 1.200 | 18.50 | 10.38 | 28.88 | -27.12 | 56.00 | QP |
| 9 | | 13.860 | 15.00 | 10.77 | 25.77 | -24.23 | 50.00 | Average |
| 10 | | 13.860 | 20.70 | 10.77 | 31.47 | -28.53 | 60.00 | QP |
| 11 | | 16.940 | 15.70 | 10.98 | 26.68 | -23.32 | 50.00 | Average |
| 12 | | 16.940 | 22.30 | 10.98 | 33.28 | -26.72 | 60.00 | QP |

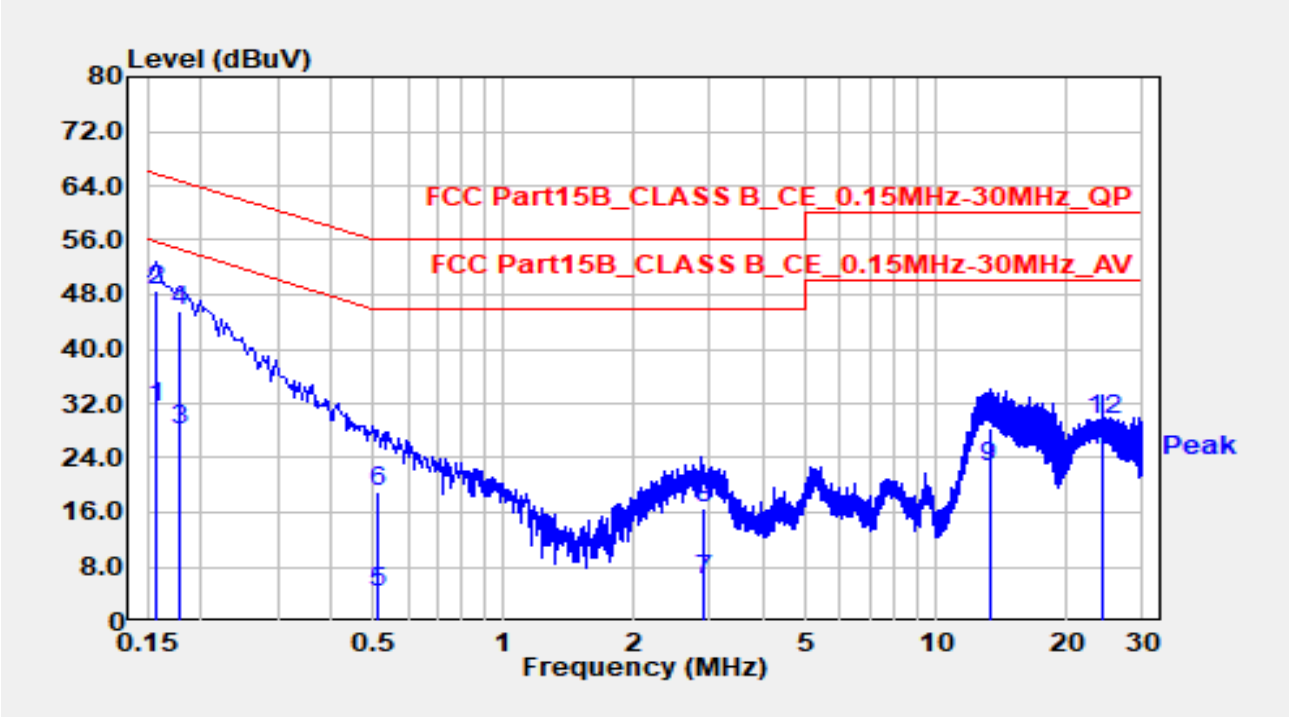
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBµV) = Reading (dBµV) + C.F (dB).

| Site | WZ-SR2 | Test Date | 2024-11-04 |
|---|---|---|---|
| Test Engineer | Linda Wei | Temp./Humidity | 22.5°C/65.2% |
| Factor | ENV216_101683_L1_Filter Off_C | Polarity | Line |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 2, Power Port | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB) | Measurement (dBµV) | Margin (dB) | Limit (dBµV) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.158 | 21.60 | 9.82 | 31.42 | -24.15 | 55.57 | Average |
| 2 | * | 0.158 | 38.80 | 9.82 | 48.62 | -16.95 | 65.57 | QP |
| 3 | | 0.178 | 18.40 | 9.82 | 28.22 | -26.36 | 54.58 | Average |
| 4 | | 0.178 | 35.70 | 9.82 | 45.52 | -19.06 | 64.58 | QP |
| 5 | | 0.514 | -5.60 | 9.93 | 4.33 | -41.67 | 46.00 | Average |
| 6 | | 0.514 | 9.20 | 9.93 | 19.13 | -36.87 | 56.00 | QP |
| 7 | | 2.900 | -4.00 | 10.15 | 6.15 | -39.85 | 46.00 | Average |
| 8 | | 2.900 | 6.40 | 10.15 | 16.55 | -39.45 | 56.00 | QP |
| 9 | | 13.260 | 12.30 | 10.48 | 22.78 | -27.22 | 50.00 | Average |
| 10 | | 13.260 | 18.00 | 10.48 | 28.48 | -31.52 | 60.00 | QP |
| 11 | | 24.140 | 14.10 | 10.89 | 24.99 | -25.01 | 50.00 | Average |
| 12 | | 24.140 | 18.60 | 10.89 | 29.49 | -30.51 | 60.00 | QP |

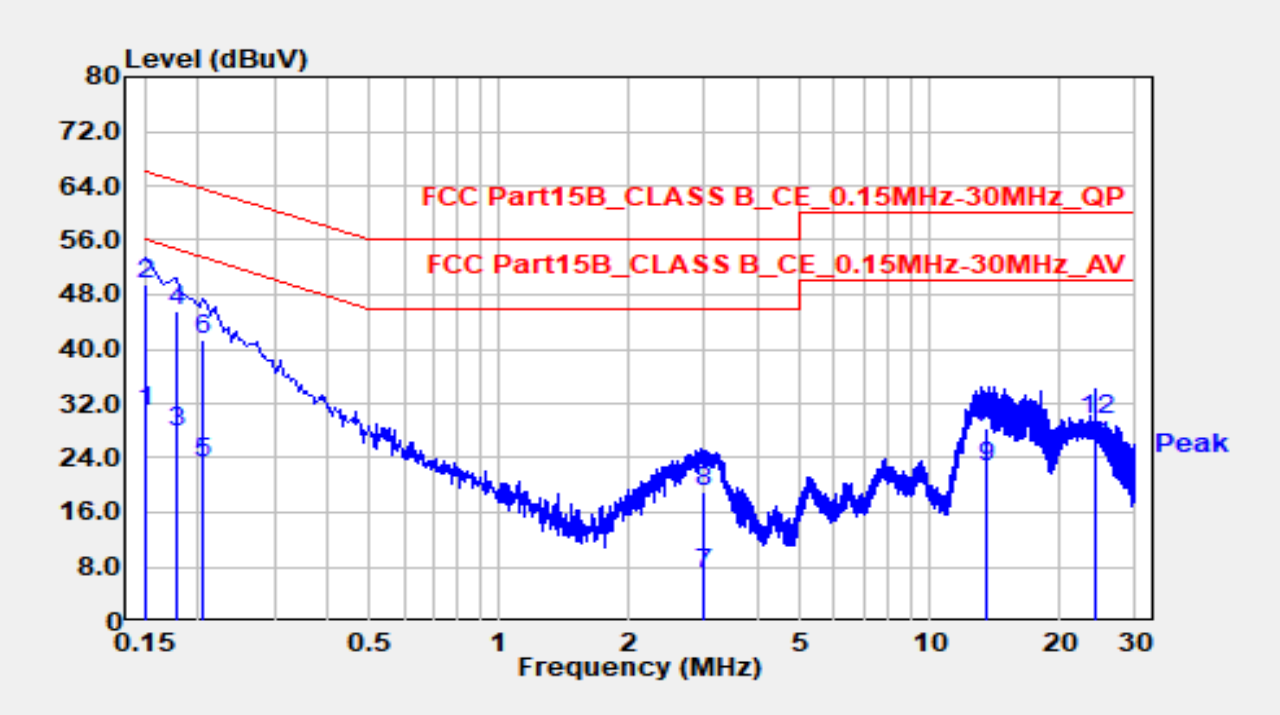
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBµV) = Reading (dBµV) + C.F (dB).

| Site | WZ-SR2 | Test Date | 2024-11-04 |
|---|---|---|---|
| Test Engineer | Linda Wei | Temp./Humidity | 22.5°C/65.2% |
| Factor | ENV216_101683_N_Filter Off_C | Polarity | Neutral |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 2, Power Port | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB) | Measurement (dBµV) | Margin (dB) | Limit (dBµV) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.150 | 20.80 | 10.13 | 30.93 | -25.07 | 56.00 | Average |
| 2 | * | 0.150 | 39.50 | 10.13 | 49.63 | -16.37 | 66.00 | QP |
| 3 | | 0.178 | 17.80 | 10.11 | 27.91 | -26.66 | 54.58 | Average |
| 4 | | 0.178 | 35.40 | 10.11 | 45.51 | -19.06 | 64.58 | QP |
| 5 | | 0.204 | 13.20 | 10.10 | 23.30 | -30.14 | 53.45 | Average |
| 6 | | 0.204 | 31.40 | 10.10 | 41.50 | -21.94 | 63.45 | QP |
| 7 | | 2.980 | -3.50 | 10.41 | 6.91 | -39.10 | 46.00 | Average |
| 8 | | 2.980 | 8.60 | 10.41 | 19.01 | -37.00 | 56.00 | QP |
| 9 | | 13.530 | 11.80 | 10.76 | 22.56 | -27.44 | 50.00 | Average |
| 10 | | 13.530 | 17.70 | 10.76 | 28.46 | -31.54 | 60.00 | QP |
| 11 | | 24.140 | 14.50 | 11.13 | 25.63 | -24.37 | 50.00 | Average |
| 12 | | 24.140 | 18.40 | 11.13 | 29.53 | -30.47 | 60.00 | QP |

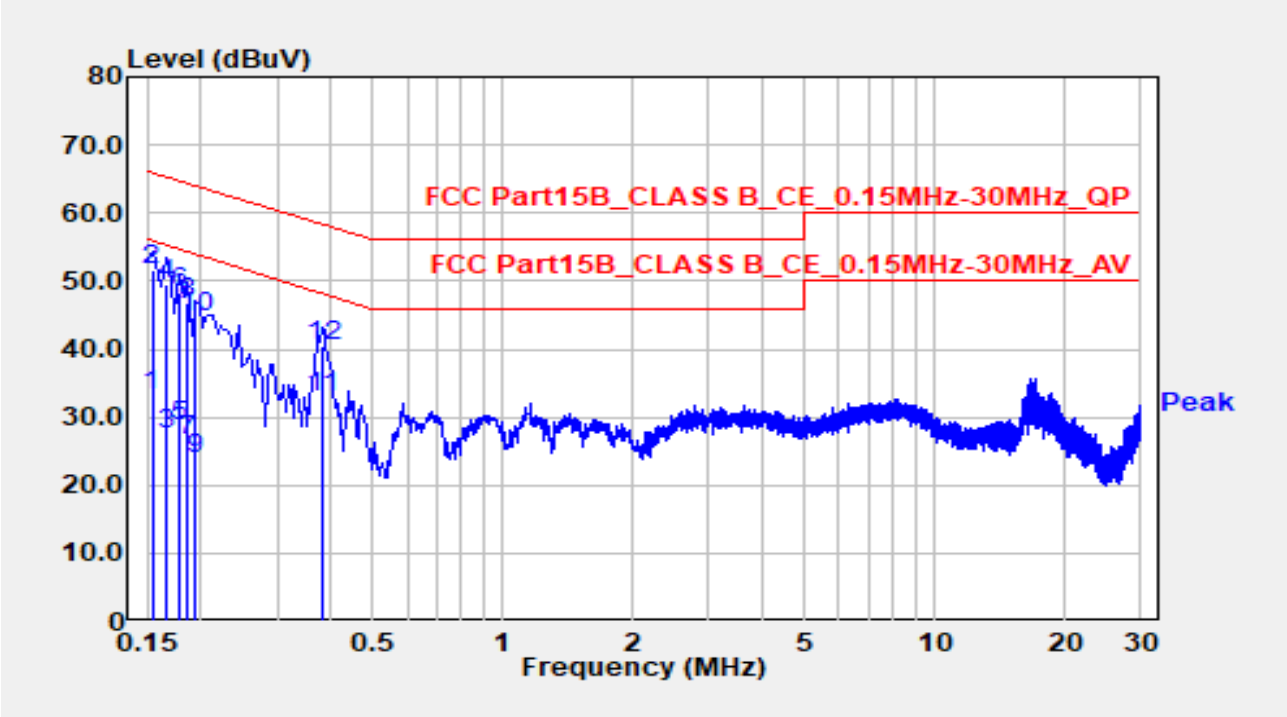
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBµV) = Reading (dBµV) + C.F (dB).

| Site | SIP-SR2 | Test Date | 2024-11-12 |
|---|---|---|---|
| Test Engineer | Henry Wang | Temp./Humidity | 22.1°C/60.6% |
| Factor | SIP-SR2-ENV216_101684_C | Polarity | Line |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 3, Power Port | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB) | Measurement (dBµV) | Margin (dB) | Limit (dBµV) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.154 | 23.57 | 9.65 | 33.22 | -22.56 | 55.78 | Average |
| 2 | * | 0.154 | 42.01 | 9.65 | 51.66 | -14.12 | 65.78 | QP |
| 3 | | 0.166 | 17.83 | 9.66 | 27.49 | -27.67 | 55.16 | Average |
| 4 | | 0.166 | 39.73 | 9.66 | 49.38 | -15.78 | 65.16 | QP |
| 5 | | 0.178 | 19.16 | 9.66 | 28.82 | -25.76 | 54.58 | Average |
| 6 | | 0.178 | 38.54 | 9.66 | 48.19 | -16.38 | 64.58 | QP |
| 7 | | 0.186 | 16.98 | 9.67 | 26.65 | -27.57 | 54.21 | Average |
| 8 | | 0.186 | 37.22 | 9.67 | 46.89 | -17.33 | 64.21 | QP |
| 9 | | 0.194 | 14.05 | 9.68 | 23.73 | -30.14 | 53.86 | Average |
| 10 | | 0.194 | 35.02 | 9.68 | 44.70 | -19.17 | 63.86 | QP |
| 11 | | 0.382 | 23.10 | 9.74 | 32.84 | -15.40 | 48.24 | Average |
| 12 | | 0.382 | 30.79 | 9.74 | 40.53 | -17.71 | 58.24 | QP |

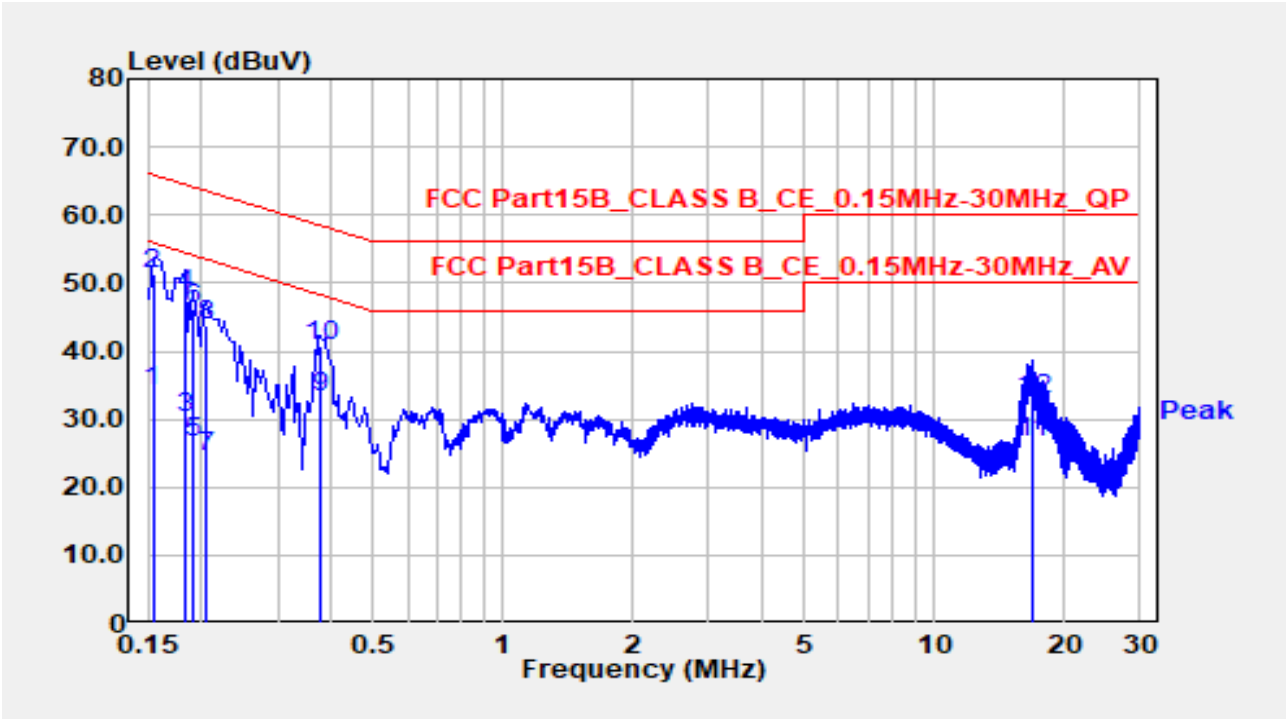
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBµV) = Reading (dBµV) + C.F (dB).

| Site | SIP-SR2 | Test Date | 2024-11-12 |
|---|---|---|---|
| Test Engineer | Henry Wang | Temp./Humidity | 22.1°C/60.6% |
| Factor | SIP-SR2-ENV216_101684_C | Polarity | Neutral |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 3, Power Port | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB) | Measurement (dBµV) | Margin (dB) | Limit (dBµV) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.154 | 24.38 | 9.68 | 34.06 | -21.72 | 55.78 | Average |
| 2 | * | 0.154 | 41.79 | 9.68 | 51.47 | -14.31 | 65.78 | QP |
| 3 | | 0.182 | 20.37 | 9.68 | 30.05 | -24.34 | 54.39 | Average |
| 4 | | 0.182 | 38.66 | 9.68 | 48.35 | -16.05 | 64.39 | QP |
| 5 | | 0.190 | 16.77 | 9.69 | 26.47 | -27.57 | 54.04 | Average |
| 6 | | 0.190 | 36.53 | 9.69 | 46.22 | -17.81 | 64.04 | QP |
| 7 | | 0.206 | 14.62 | 9.72 | 24.34 | -29.03 | 53.37 | Average |
| 8 | | 0.206 | 34.04 | 9.72 | 43.76 | -19.61 | 63.37 | QP |
| 9 | | 0.378 | 23.45 | 9.76 | 33.21 | -15.12 | 48.32 | Average |
| 10 | | 0.378 | 31.03 | 9.76 | 40.78 | -17.54 | 58.32 | QP |
| 11 | | 16.817 | 16.36 | 10.21 | 26.57 | -23.43 | 50.00 | Average |
| 12 | | 16.817 | 22.56 | 10.21 | 32.78 | -27.22 | 60.00 | QP |

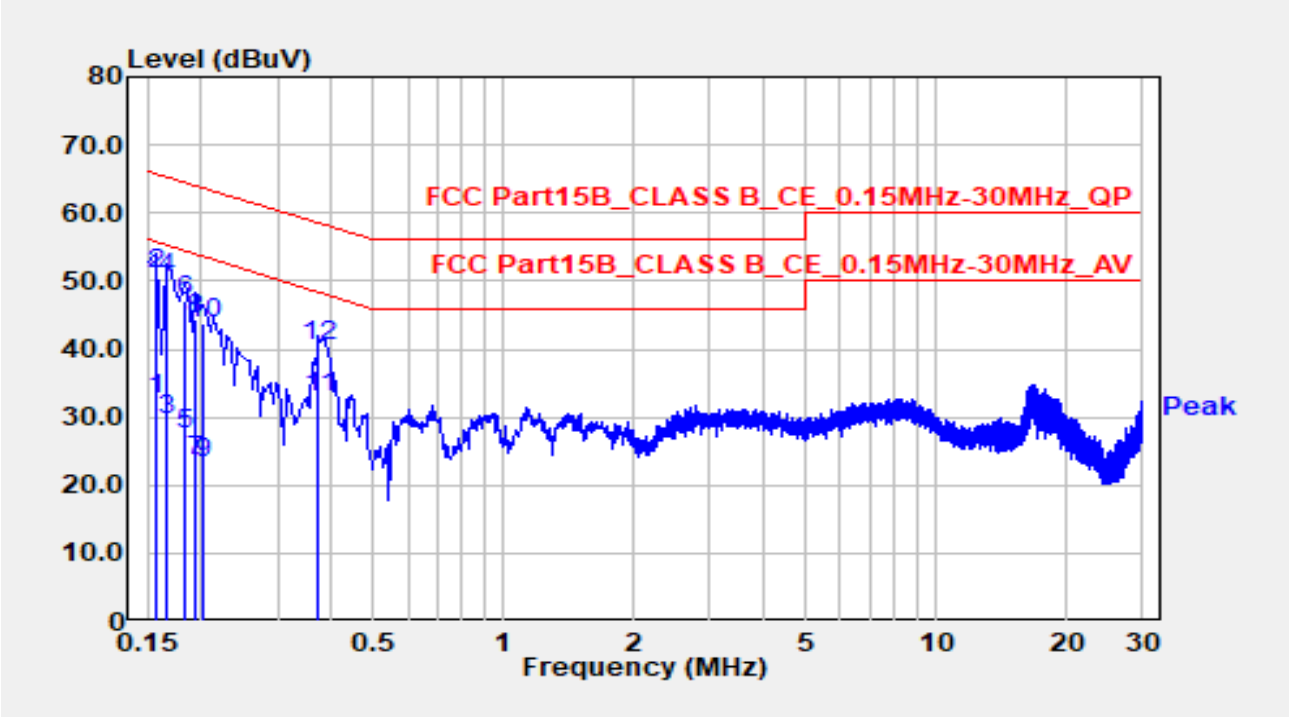
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBµV) = Reading (dBµV) + C.F (dB).

| Site | SIP-SR2 | Test Date | 2024-11-12 |
|---|---|---|---|
| Test Engineer | Henry Wang | Temp./Humidity | 22.1°C/60.6% |
| Factor | SIP-SR2-ENV216_101684_C | Polarity | Line |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 4, Power Port | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB) | Measurement (dBµV) | Margin (dB) | Limit (dBµV) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.158 | 22.94 | 9.65 | 32.59 | -22.98 | 55.57 | Average |
| 2 | * | 0.158 | 41.47 | 9.65 | 51.12 | -14.45 | 65.57 | QP |
| 3 | | 0.166 | 20.07 | 9.66 | 29.72 | -25.44 | 55.16 | Average |
| 4 | | 0.166 | 40.88 | 9.66 | 50.54 | -14.62 | 65.16 | QP |
| 5 | | 0.182 | 17.87 | 9.66 | 27.54 | -26.86 | 54.39 | Average |
| 6 | | 0.182 | 37.49 | 9.66 | 47.15 | -17.24 | 64.39 | QP |
| 7 | | 0.194 | 13.74 | 9.68 | 23.42 | -30.44 | 53.86 | Average |
| 8 | | 0.194 | 34.67 | 9.68 | 44.35 | -19.51 | 63.86 | QP |
| 9 | | 0.202 | 13.60 | 9.69 | 23.29 | -30.24 | 53.53 | Average |
| 10 | | 0.202 | 34.02 | 9.69 | 43.71 | -19.82 | 63.53 | QP |
| 11 | | 0.374 | 23.12 | 9.74 | 32.86 | -15.56 | 48.41 | Average |
| 12 | | 0.374 | 30.70 | 9.74 | 40.43 | -17.98 | 58.41 | QP |

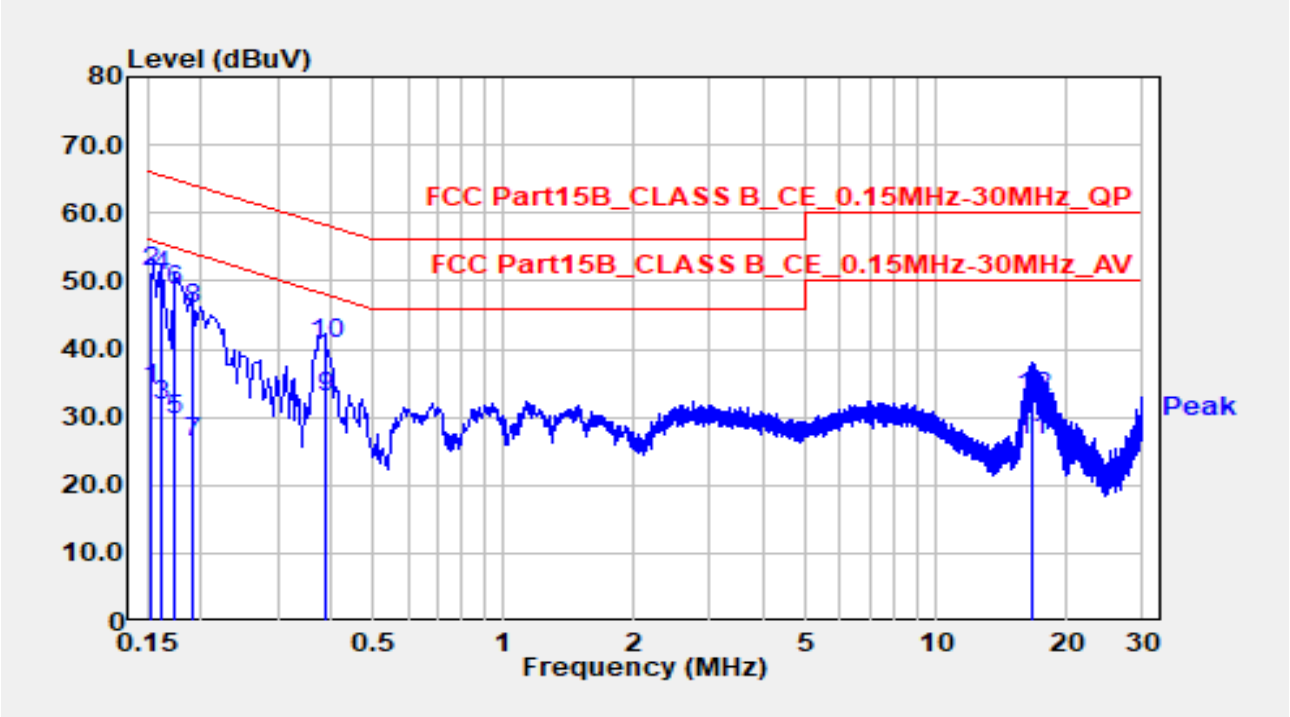
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBµV) = Reading (dBµV) + C.F (dB).

| Site | SIP-SR2 | Test Date | 2024-11-12 |
|---|---|---|---|
| Test Engineer | Henry Wang | Temp./Humidity | 22.1°C/60.6% |
| Factor | SIP-SR2-ENV216_101684_C | Polarity | Neutral |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 4, Power Port | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB) | Measurement (dBµV) | Margin (dB) | Limit (dBµV) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.154 | 24.33 | 9.68 | 34.01 | -21.78 | 55.79 | Average |
| 2 | * | 0.154 | 41.68 | 9.68 | 51.36 | -14.43 | 65.79 | QP |
| 3 | | 0.162 | 22.05 | 9.68 | 31.73 | -23.64 | 55.36 | Average |
| 4 | | 0.162 | 41.16 | 9.68 | 50.84 | -14.52 | 65.36 | QP |
| 5 | | 0.174 | 19.90 | 9.68 | 29.58 | -25.19 | 54.77 | Average |
| 6 | | 0.174 | 39.06 | 9.68 | 48.74 | -16.02 | 64.77 | QP |
| 7 | | 0.190 | 16.60 | 9.69 | 26.29 | -27.75 | 54.04 | Average |
| 8 | | 0.190 | 36.34 | 9.69 | 46.03 | -18.00 | 64.04 | QP |
| 9 | | 0.385 | 23.27 | 9.76 | 33.03 | -15.13 | 48.16 | Average |
| 10 | | 0.385 | 31.04 | 9.76 | 40.80 | -17.36 | 58.16 | QP |
| 11 | | 16.581 | 16.48 | 10.21 | 26.69 | -23.31 | 50.00 | Average |
| 12 | | 16.581 | 22.66 | 10.21 | 32.87 | -27.13 | 60.00 | QP |

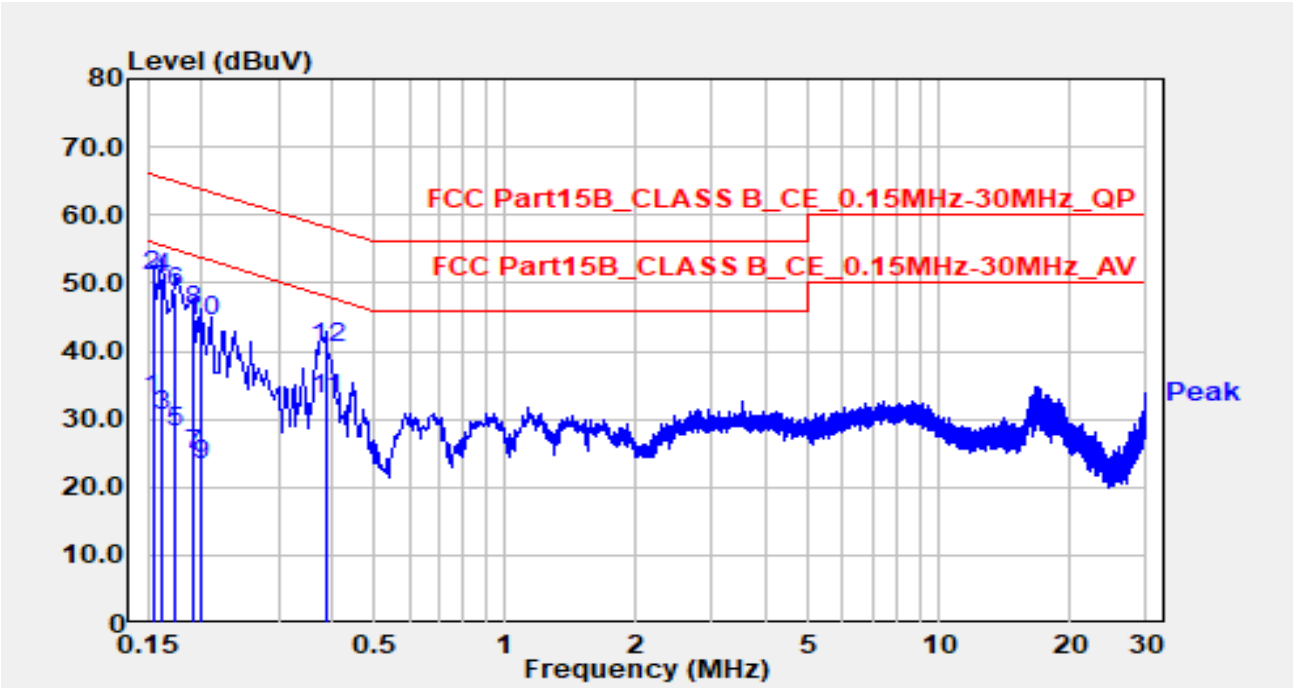
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBµV) = Reading (dBµV) + C.F (dB).

| Site | SIP-SR2 | Test Date | 2024-11-12 |
|---|---|---|---|
| Test Engineer | Henry Wang | Temp./Humidity | 22.1°C/60.6% |
| Factor | SIP-SR2-ENV216_101684_C | Polarity | Line |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 5, Power Port | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB) | Measurement (dBµV) | Margin (dB) | Limit (dBµV) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.154 | 23.19 | 9.65 | 32.84 | -22.94 | 55.78 | Average |
| 2 | * | 0.154 | 41.48 | 9.65 | 51.13 | -14.65 | 65.78 | QP |
| 3 | | 0.162 | 20.85 | 9.65 | 30.51 | -24.85 | 55.36 | Average |
| 4 | | 0.162 | 41.02 | 9.65 | 50.67 | -14.69 | 65.36 | QP |
| 5 | | 0.174 | 18.49 | 9.66 | 28.15 | -26.62 | 54.77 | Average |
| 6 | | 0.174 | 38.90 | 9.66 | 48.55 | -16.22 | 64.77 | QP |
| 7 | | 0.190 | 15.10 | 9.67 | 24.77 | -29.26 | 54.04 | Average |
| 8 | | 0.190 | 36.20 | 9.67 | 45.88 | -18.16 | 64.04 | QP |
| 9 | | 0.198 | 13.62 | 9.68 | 23.30 | -30.39 | 53.69 | Average |
| 10 | | 0.198 | 34.55 | 9.68 | 44.24 | -19.46 | 63.69 | QP |
| 11 | | 0.386 | 23.23 | 9.74 | 32.97 | -15.18 | 48.15 | Average |
| 12 | | 0.386 | 30.77 | 9.74 | 40.51 | -17.64 | 58.15 | QP |

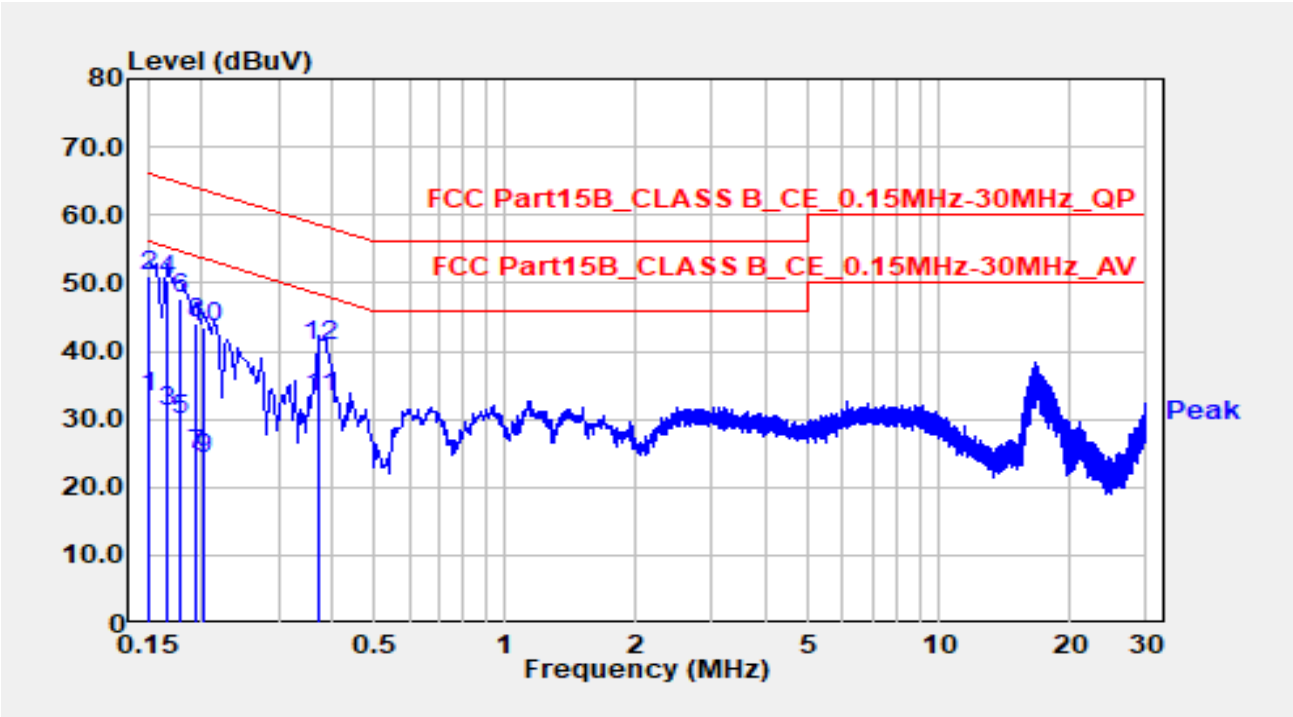
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBµV) = Reading (dBµV) + C.F (dB).

| Site | SIP-SR2 | Test Date | 2024-11-12 |
|---|---|---|---|
| Test Engineer | Henry Wang | Temp./Humidity | 22.1°C/60.6% |
| Factor | SIP-SR2-ENV216_101684_C | Polarity | Neutral |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 5, Power Port | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB) | Measurement (dBµV) | Margin (dB) | Limit (dBµV) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.150 | 23.52 | 9.68 | 33.21 | -22.79 | 56.00 | Average |
| 2 | | 0.150 | 41.27 | 9.68 | 50.95 | -15.05 | 66.00 | QP |
| 3 | | 0.166 | 21.46 | 9.68 | 31.14 | -24.02 | 55.16 | Average |
| 4 | * | 0.166 | 40.65 | 9.68 | 50.33 | -14.82 | 65.16 | QP |
| 5 | | 0.178 | 20.10 | 9.68 | 29.78 | -24.80 | 54.58 | Average |
| 6 | | 0.178 | 37.89 | 9.68 | 47.57 | -17.01 | 64.58 | QP |
| 7 | | 0.194 | 14.93 | 9.70 | 24.63 | -29.23 | 53.86 | Average |
| 8 | | 0.194 | 34.45 | 9.70 | 44.15 | -19.72 | 63.86 | QP |
| 9 | | 0.202 | 14.53 | 9.71 | 24.24 | -29.29 | 53.53 | Average |
| 10 | | 0.202 | 33.76 | 9.71 | 43.47 | -20.06 | 63.53 | QP |
| 11 | | 0.374 | 23.48 | 9.76 | 33.23 | -15.18 | 48.41 | Average |
| 12 | | 0.374 | 31.05 | 9.76 | 40.80 | -17.61 | 58.41 | QP |

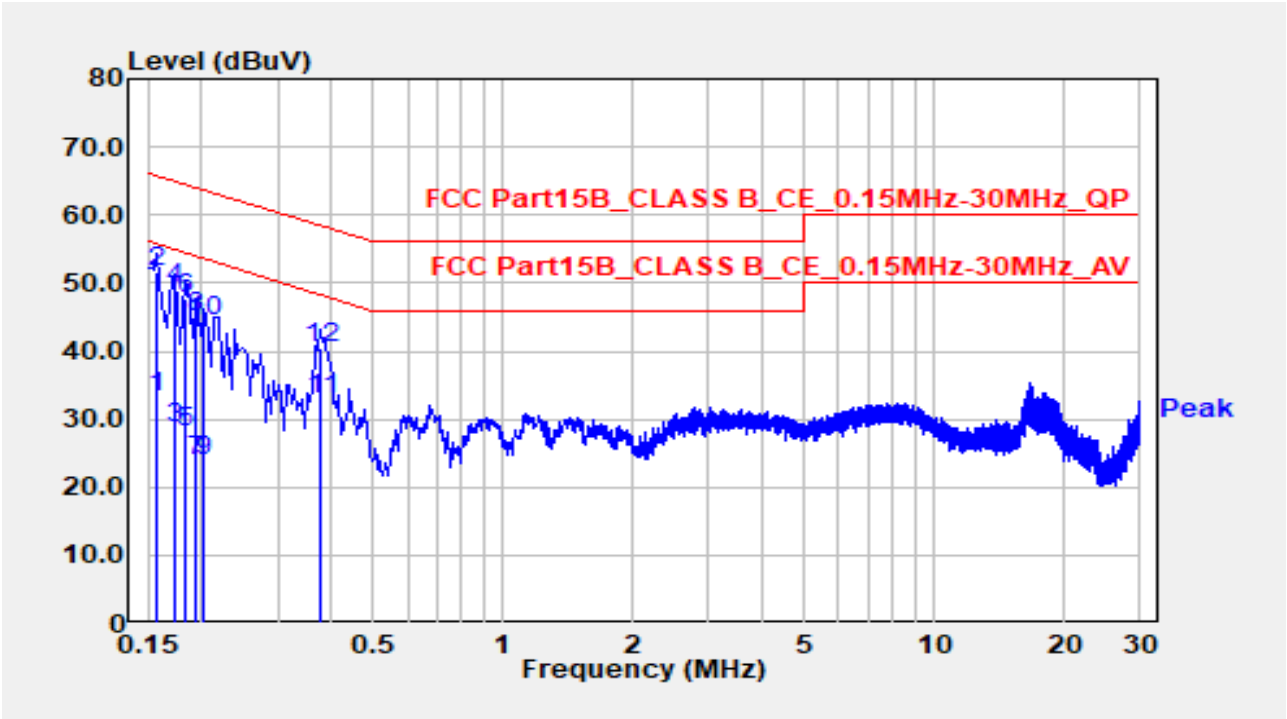
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBµV) = Reading (dBµV) + C.F (dB).

| Site | SIP-SR2 | Test Date | 2024-11-12 |
|---|---|---|---|
| Test Engineer | Henry Wang | Temp./Humidity | 22.1°C/60.6% |
| Factor | SIP-SR2-ENV216_101684_C | Polarity | Line |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 6, Power Port | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB) | Measurement (dBµV) | Margin (dB) | Limit (dBµV) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.158 | 23.52 | 9.65 | 33.18 | -22.39 | 55.57 | Average |
| 2 | * | 0.158 | 42.07 | 9.65 | 51.73 | -13.84 | 65.57 | QP |
| 3 | | 0.174 | 19.05 | 9.66 | 28.71 | -26.06 | 54.77 | Average |
| 4 | | 0.174 | 39.61 | 9.66 | 49.26 | -15.50 | 64.77 | QP |
| 5 | | 0.182 | 18.32 | 9.66 | 27.98 | -26.41 | 54.39 | Average |
| 6 | | 0.182 | 38.07 | 9.66 | 47.73 | -16.66 | 64.39 | QP |
| 7 | | 0.194 | 14.24 | 9.68 | 23.92 | -29.94 | 53.86 | Average |
| 8 | | 0.194 | 35.26 | 9.68 | 44.94 | -18.93 | 63.86 | QP |
| 9 | | 0.202 | 14.05 | 9.69 | 23.74 | -29.79 | 53.53 | Average |
| 10 | | 0.202 | 34.55 | 9.69 | 44.24 | -19.29 | 63.53 | QP |
| 11 | | 0.378 | 23.13 | 9.74 | 32.86 | -15.46 | 48.32 | Average |
| 12 | | 0.378 | 30.77 | 9.74 | 40.51 | -17.82 | 58.32 | QP |

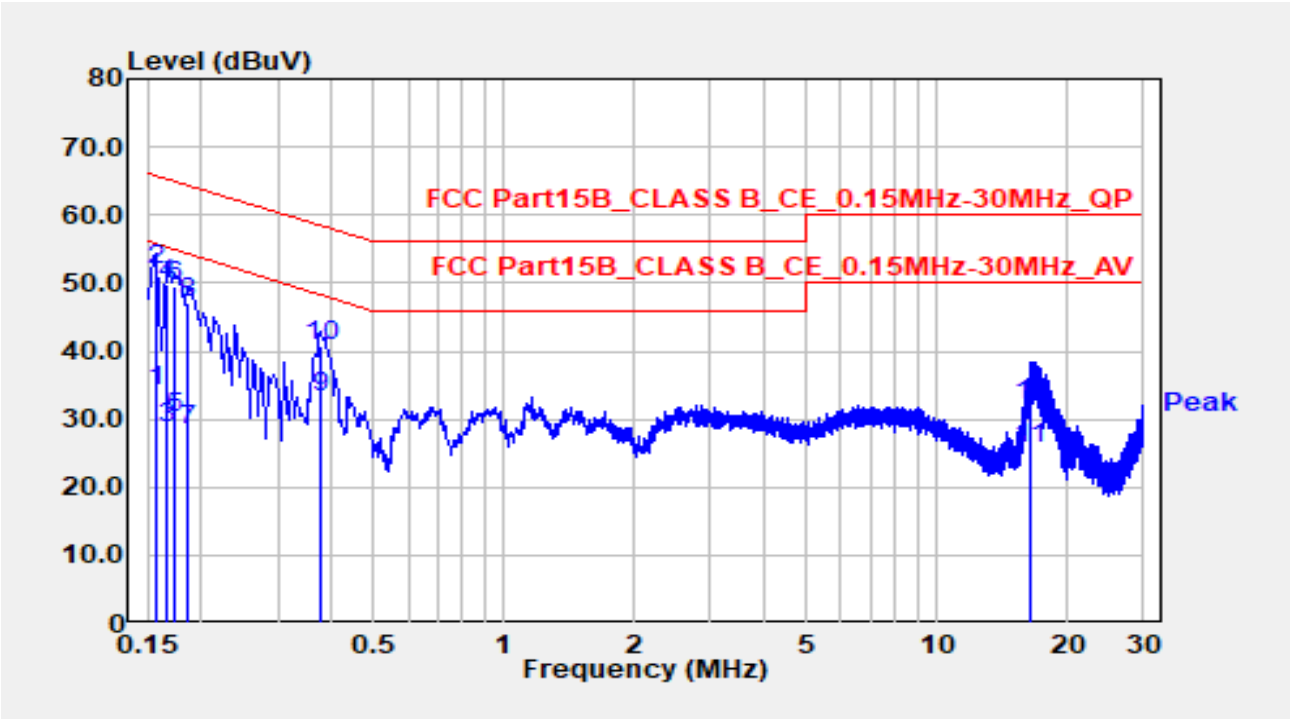
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBµV) = Reading (dBµV) + C.F (dB).

| Site | SIP-SR2 | Test Date | 2024-11-12 |
|---|---|---|---|
| Test Engineer | Henry Wang | Temp./Humidity | 22.1°C/60.6% |
| Factor | SIP-SR2-ENV216_101684_C | Polarity | Neutral |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 6, Power Port | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB) | Measurement (dBµV) | Margin (dB) | Limit (dBµV) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.158 | 24.56 | 9.68 | 34.24 | -21.33 | 55.57 | Average |
| 2 | * | 0.158 | 42.26 | 9.68 | 51.94 | -13.63 | 65.57 | QP |
| 3 | | 0.166 | 19.01 | 9.68 | 28.69 | -26.47 | 55.16 | Average |
| 4 | | 0.166 | 40.00 | 9.68 | 49.68 | -15.48 | 65.16 | QP |
| 5 | | 0.174 | 20.61 | 9.68 | 30.29 | -24.48 | 54.77 | Average |
| 6 | | 0.174 | 39.76 | 9.68 | 49.44 | -15.33 | 64.77 | QP |
| 7 | | 0.186 | 18.59 | 9.69 | 28.27 | -25.94 | 54.21 | Average |
| 8 | | 0.186 | 37.55 | 9.69 | 47.24 | -16.98 | 64.21 | QP |
| 9 | | 0.378 | 23.33 | 9.76 | 33.09 | -15.23 | 48.32 | Average |
| 10 | | 0.378 | 31.00 | 9.76 | 40.76 | -17.56 | 58.32 | QP |
| 11 | | 16.389 | 15.53 | 10.21 | 25.74 | -24.26 | 50.00 | Average |
| 12 | | 16.389 | 21.70 | 10.21 | 31.91 | -28.09 | 60.00 | QP |

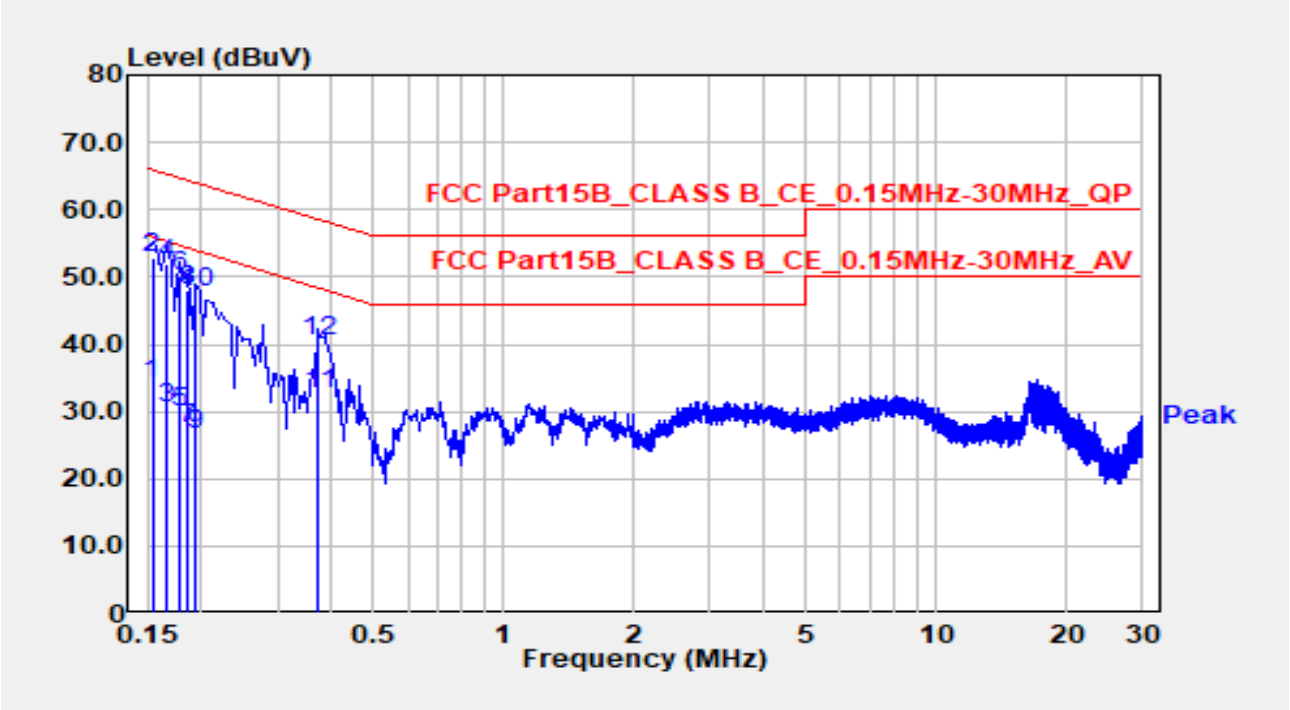
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBµV) = Reading (dBµV) + C.F (dB).

| Site | SIP-SR2 | Test Date | 2024-11-12 |
|---|---|---|---|
| Test Engineer | Henry Wang | Temp./Humidity | 22.1°C/60.6% |
| Factor | SIP-SR2-ENV216_101684_C | Polarity | Line |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 7, Power Port | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB) | Measurement (dBµV) | Margin (dB) | Limit (dBµV) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.154 | 24.53 | 9.65 | 34.18 | -21.60 | 55.78 | Average |
| 2 | * | 0.154 | 43.28 | 9.65 | 52.93 | -12.85 | 65.78 | QP |
| 3 | | 0.166 | 20.70 | 9.66 | 30.36 | -24.80 | 55.16 | Average |
| 4 | | 0.166 | 42.25 | 9.66 | 51.90 | -13.26 | 65.16 | QP |
| 5 | | 0.178 | 20.17 | 9.66 | 29.83 | -24.75 | 54.58 | Average |
| 6 | | 0.178 | 40.49 | 9.66 | 50.15 | -14.43 | 64.58 | QP |
| 7 | | 0.186 | 17.76 | 9.67 | 27.43 | -26.78 | 54.21 | Average |
| 8 | | 0.186 | 38.25 | 9.67 | 47.91 | -16.30 | 64.21 | QP |
| 9 | | 0.194 | 16.75 | 9.68 | 26.43 | -27.43 | 53.86 | Average |
| 10 | | 0.194 | 37.92 | 9.68 | 47.60 | -16.26 | 63.86 | QP |
| 11 | | 0.374 | 22.95 | 9.74 | 32.68 | -15.73 | 48.41 | Average |
| 12 | | 0.374 | 30.75 | 9.74 | 40.49 | -17.92 | 58.41 | QP |

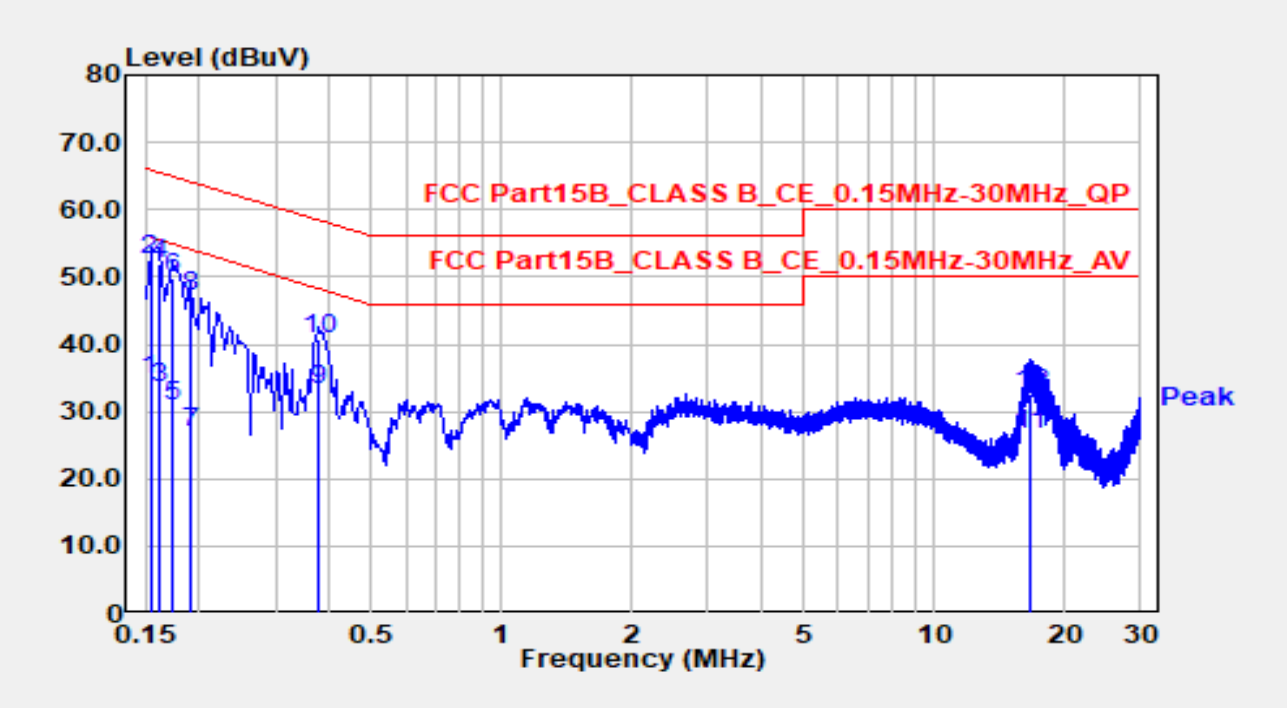
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBµV) = Reading (dBµV) + C.F (dB).

| Site | SIP-SR2 | Test Date | 2024-11-12 |
|---|---|---|---|
| Test Engineer | Henry Wang | Temp./Humidity | 22.1°C/60.6% |
| Factor | SIP-SR2-ENV216_101684_C | Polarity | Neutral |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 7, Power Port | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB) | Measurement (dBµV) | Margin (dB) | Limit (dBµV) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 0.154 | 24.95 | 9.68 | 34.63 | -21.15 | 55.78 | Average |
| 2 | * | 0.154 | 42.74 | 9.68 | 52.42 | -13.36 | 65.78 | QP |
| 3 | | 0.162 | 23.76 | 9.68 | 33.44 | -21.92 | 55.36 | Average |
| 4 | | 0.162 | 42.27 | 9.68 | 51.95 | -13.41 | 65.36 | QP |
| 5 | | 0.174 | 21.02 | 9.68 | 30.70 | -24.07 | 54.77 | Average |
| 6 | | 0.174 | 40.14 | 9.68 | 49.82 | -14.95 | 64.77 | QP |
| 7 | | 0.190 | 17.22 | 9.69 | 26.91 | -27.13 | 54.04 | Average |
| 8 | | 0.190 | 37.31 | 9.69 | 47.00 | -17.04 | 64.04 | QP |
| 9 | | 0.378 | 23.30 | 9.76 | 33.06 | -15.26 | 48.32 | Average |
| 10 | | 0.378 | 30.86 | 9.76 | 40.62 | -17.71 | 58.32 | QP |
| 11 | | 16.569 | 16.25 | 10.21 | 26.46 | -23.54 | 50.00 | Average |
| 12 | | 16.569 | 22.40 | 10.21 | 32.61 | -27.39 | 60.00 | QP |

Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).

3. Measurement (dBµV) = Reading (dBµV) + C.F (dB).

## 5.3. Radiated Emission

### 5.3.1. Test Limit

| FCC Part 15.109 / RSS-Gen / ICES-003 Issue 7 - 3.2.2 Class B Limits | | | |
|---|---|---|---|
| Frequency (MHz) | Distance (m) | Level (dBµV/m) | Detector Function |
| 30 - 88 | 3 | 40 | Quasi-peak |
| 88 - 216 | 3 | 43.5 | Quasi-peak |
| 216 - 230 | 3 | 46 | Quasi-peak |
| 230 - 960 | 3 | 46 / 47 Note 3 | Quasi-peak |
| 960 - 1000 | 3 | 54 | Quasi-peak |
| Above 1000 | 3 | 54 | Average |
| | | 74 | Peak |

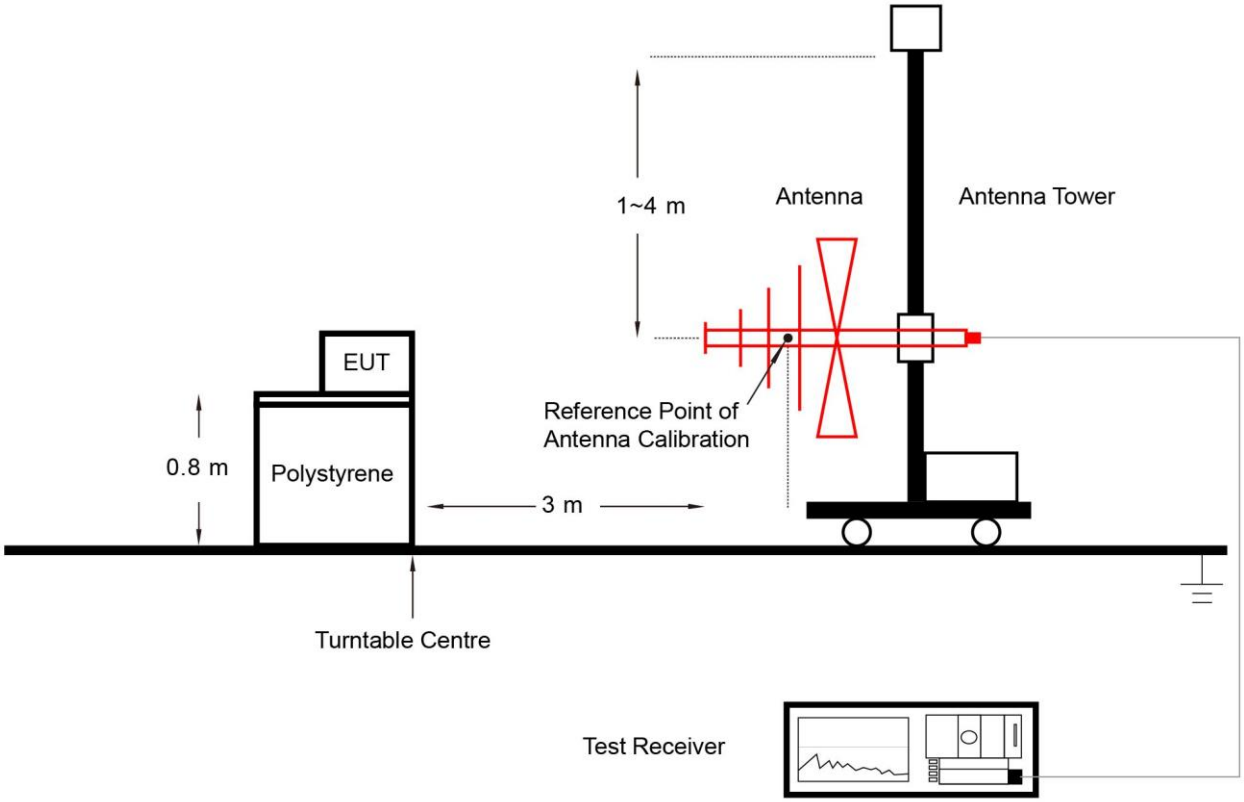
Note 1: The lower limit shall apply at the transition frequency.

Note 2: Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

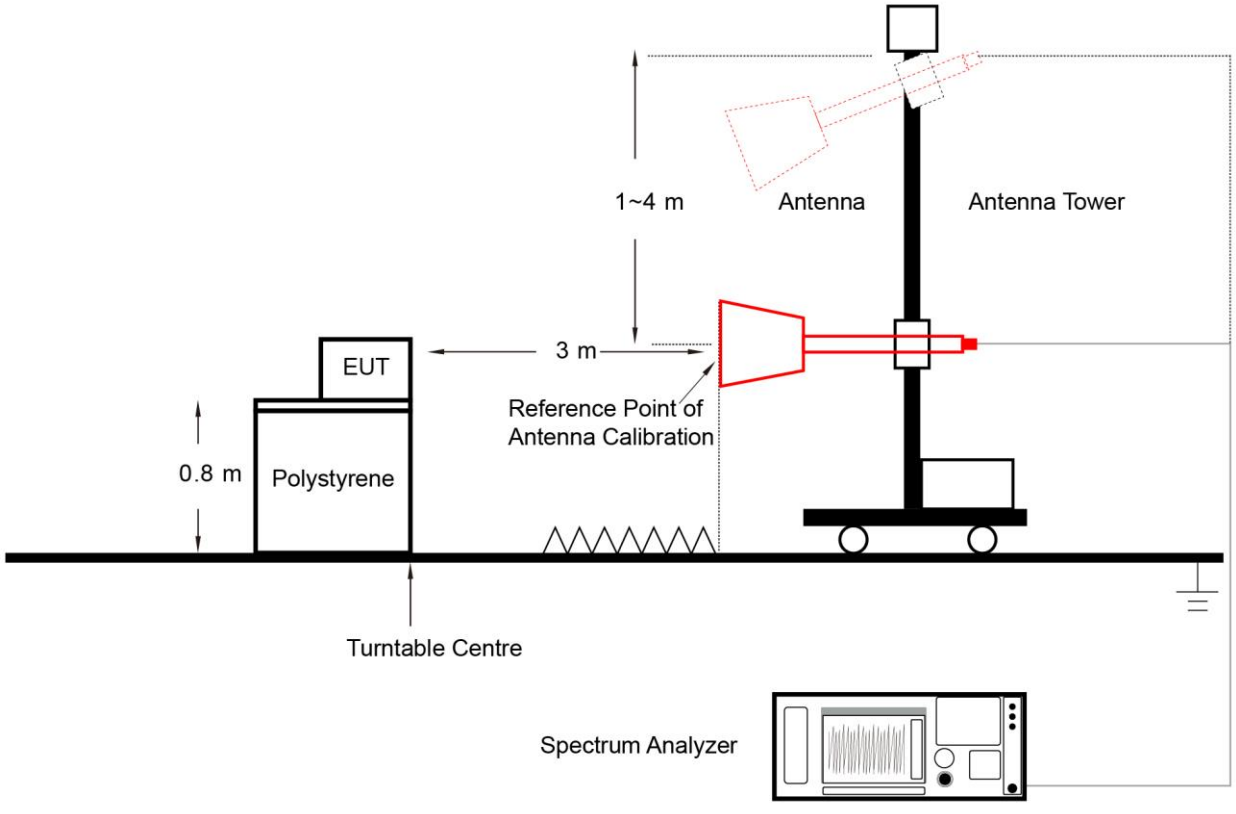
Note 3: In the range of 230MHz to 960MHz, the limit of FCC Part 15.109 is more stringent than the limit of ICES-003 Issue 7 and RSS-Gen, so only the limit of FCC Part 15.109 is shown in the test data.

### 5.3.2. Test Setup

Below 1GHz Test Setup:

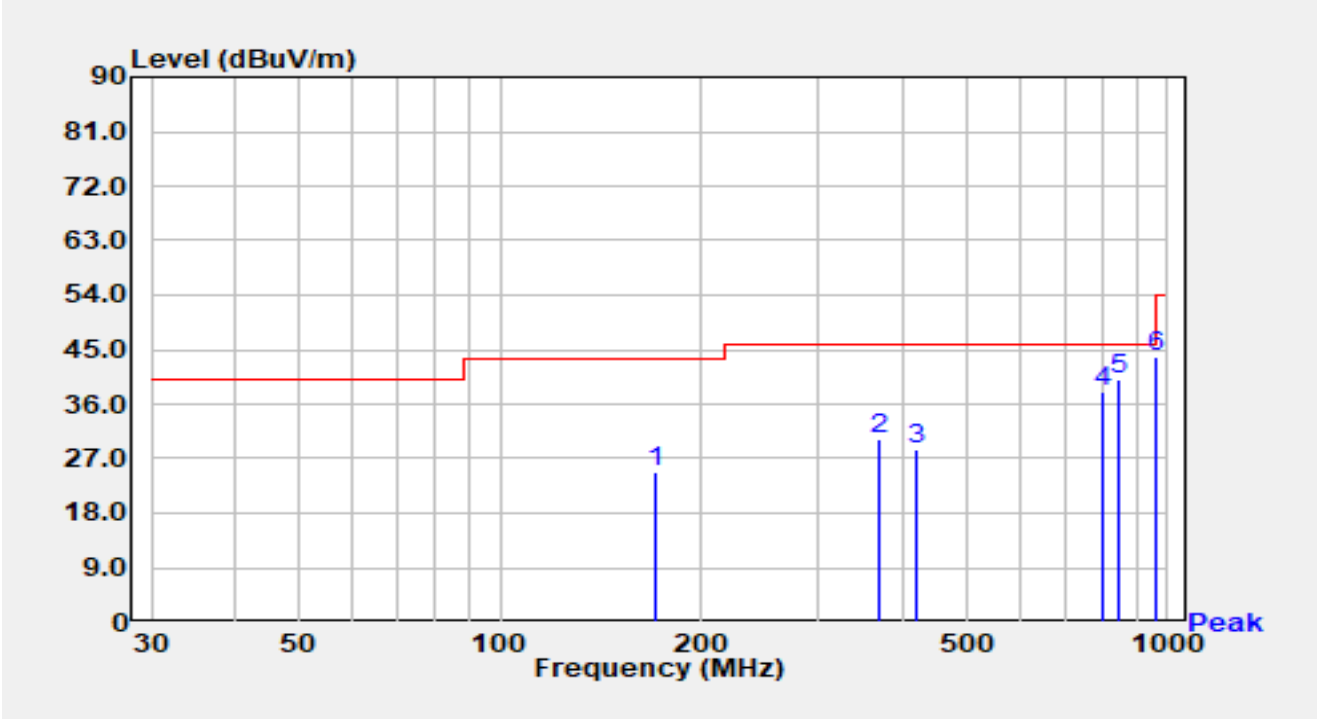



Above 1GHz Test Setup:



### 5.3.3. Test Result

| Site | WZ-AC1 | Test Date | 2024-10-27 |
|---|---|---|---|
| Test Engineer | Dick Shen | Temp./Humidity | 26.1°C/53.2% |
| Factor | VULB 9168_25-1000MHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 1 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 171.453 | 6.82 | 18.11 | 24.93 | -18.57 | 43.50 | QP |
| 2 | | 368.628 | 9.76 | 20.47 | 30.23 | -15.77 | 46.00 | QP |
| 3 | | 422.058 | 6.79 | 21.87 | 28.66 | -17.34 | 46.00 | QP |
| 4 | | 800.101 | 8.49 | 29.38 | 37.87 | -8.13 | 46.00 | QP |
| 5 | * | 841.539 | 10.41 | 29.59 | 40.00 | -6.00 | 46.00 | QP |
| 6 | | 961.700 | 13.10 | 30.82 | 43.92 | -10.08 | 54.00 | QP |

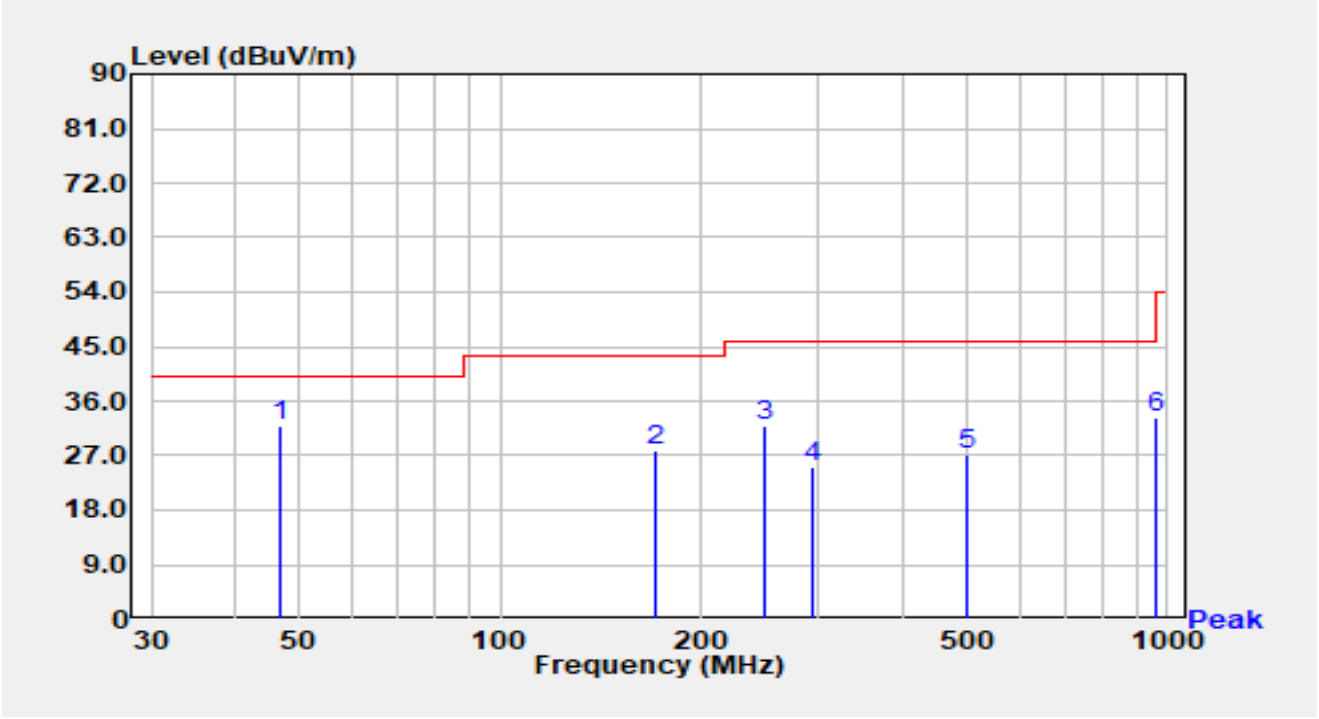
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement(dBµV/m) = Reading(dBµV) + C.F (dB/m).

| Site | WZ-AC1 | Test Date | 2024-10-27 |
|---|---|---|---|
| Test Engineer | Dick Shen | Temp./Humidity | 26.1°C/53.2% |
| Factor | VULB 9168_25-1000MHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 1 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 46.601 | 13.60 | 18.36 | 31.96 | -8.04 | 40.00 | QP |
| 2 | | 170.493 | 9.59 | 18.17 | 27.76 | -15.74 | 43.50 | QP |
| 3 | | 250.038 | 14.82 | 16.95 | 31.78 | -14.22 | 46.00 | QP |
| 4 | | 294.320 | 6.54 | 18.66 | 25.20 | -20.80 | 46.00 | QP |
| 5 | | 498.375 | 3.50 | 23.55 | 27.05 | -18.95 | 46.00 | QP |
| 6 | | 961.825 | 2.48 | 30.82 | 33.30 | -20.70 | 54.00 | QP |

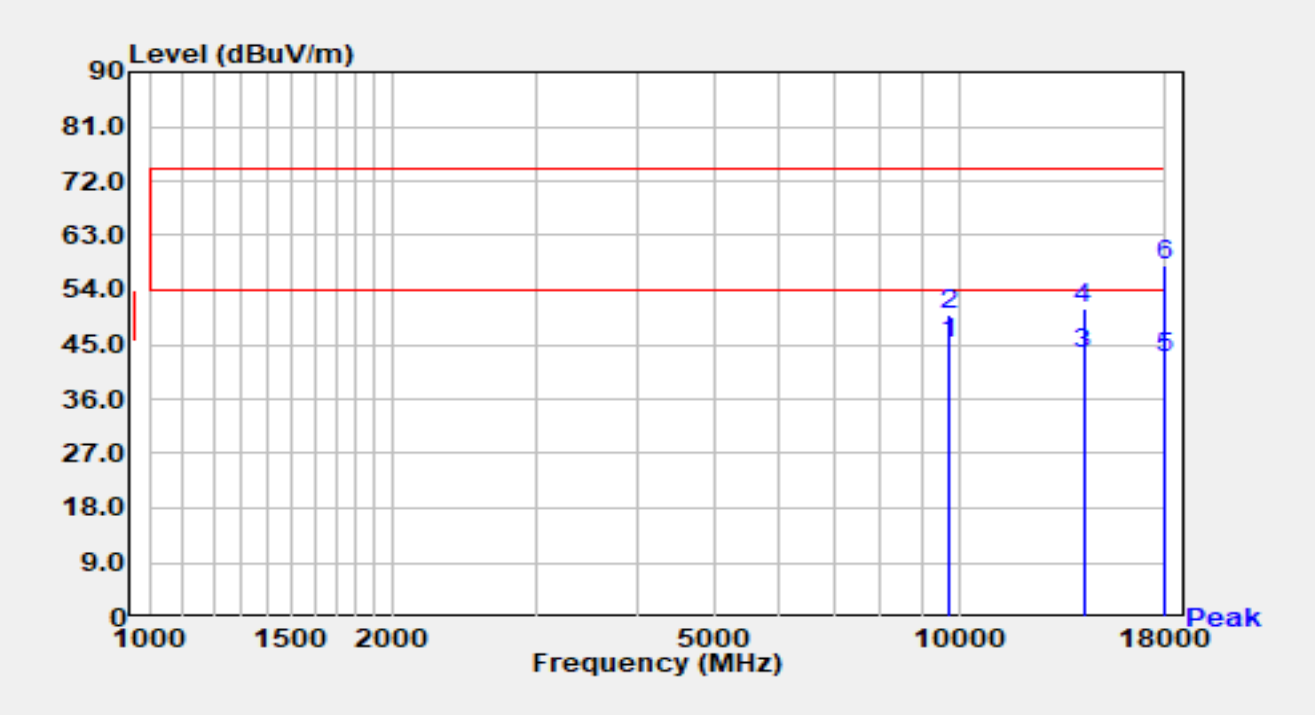
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | WZ-AC1 | Test Date | 2024-10-27 |
|---|---|---|---|
| Test Engineer | Dick Shen | Temp./Humidity | 26.1°C/53.2% |
| Factor | BBHA 9120D_1167_1-18GHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 1 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 9690.400 | 31.20 | 14.04 | 45.24 | -8.76 | 54.00 | Average |
| 2 | | 9690.400 | 35.76 | 14.04 | 49.80 | -24.20 | 74.00 | Peak |
| 3 | | 14251.500 | 27.80 | 15.73 | 43.53 | -10.47 | 54.00 | Average |
| 4 | | 14251.500 | 35.08 | 15.73 | 50.82 | -23.18 | 74.00 | Peak |
| 5 | | 17935.400 | 21.00 | 21.95 | 42.95 | -11.05 | 54.00 | Average |
| 6 | | 17935.400 | 36.16 | 21.95 | 58.11 | -15.89 | 74.00 | Peak |

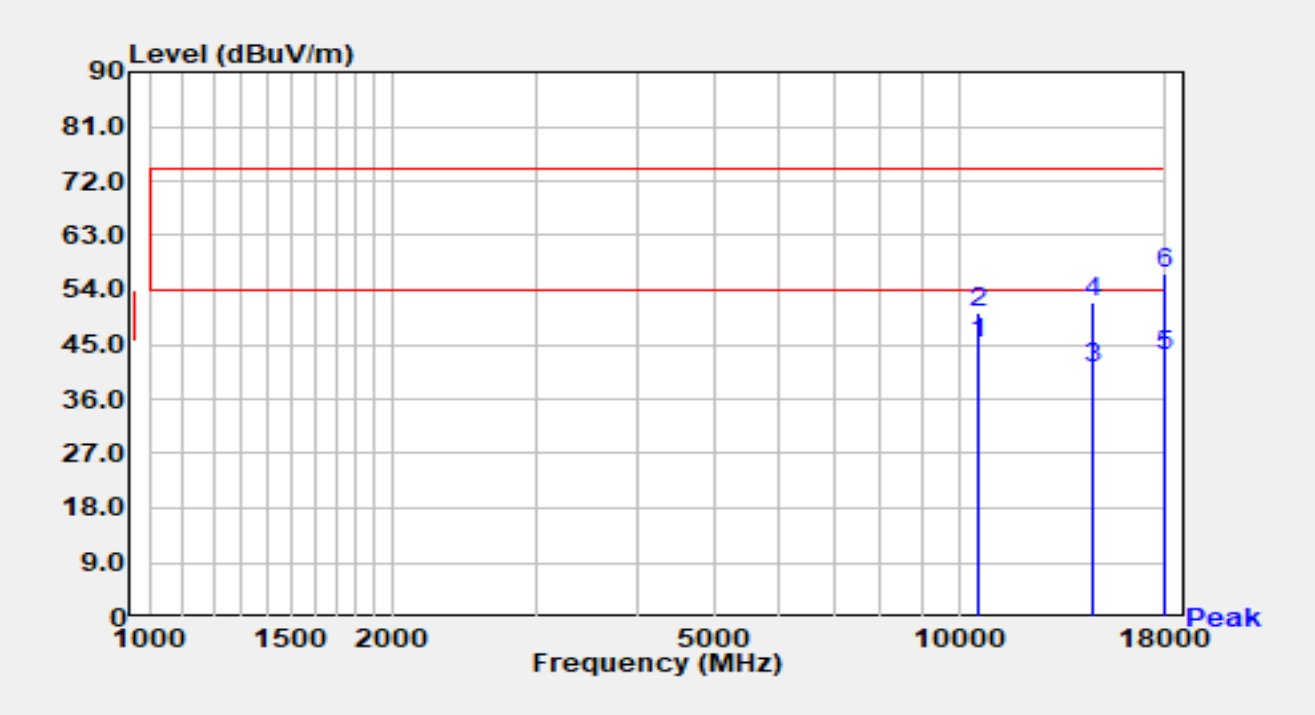
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | WZ-AC1 | Test Date | 2024-10-27 |
|---|---|---|---|
| Test Engineer | Dick Shen | Temp./Humidity | 26.1°C/53.2% |
| Factor | BBHA 9120D_1167_1-18GHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 1 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 10538.700 | 30.32 | 14.89 | 45.21 | -8.79 | 54.00 | Average |
| 2 | | 10538.700 | 35.31 | 14.89 | 50.20 | -23.80 | 74.00 | Peak |
| 3 | | 14594.900 | 25.30 | 15.69 | 40.99 | -13.01 | 54.00 | Average |
| 4 | | 14594.900 | 36.15 | 15.69 | 51.85 | -22.15 | 74.00 | Peak |
| 5 | | 17996.600 | 20.56 | 22.59 | 43.15 | -10.85 | 54.00 | Average |
| 6 | | 17996.600 | 34.25 | 22.59 | 56.84 | -17.16 | 74.00 | Peak |

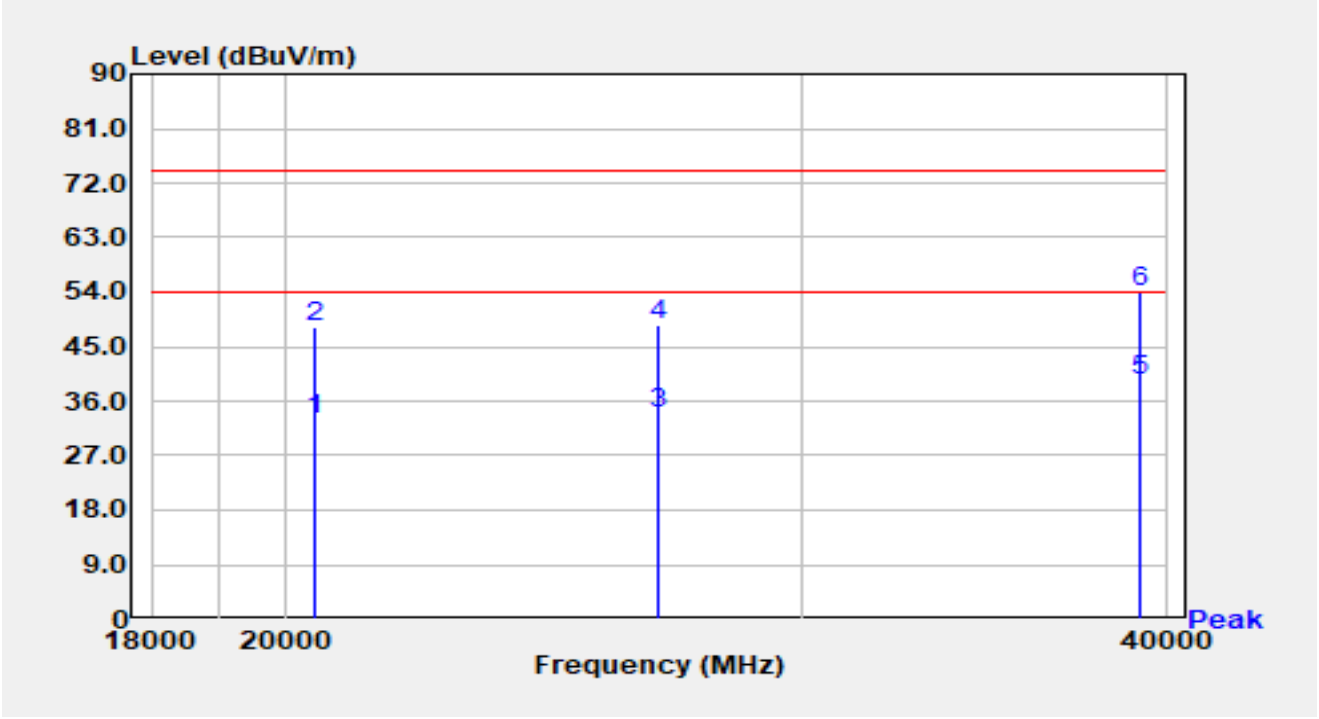
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | WZ-AC1 | Test Date | 2024-11-07 |
|---|---|---|---|
| Test Engineer | Ajin Fan | Temp./Humidity | 26.1°C/53.2% |
| Factor | BBHA 9170_549_18-40GHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 1 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 20457.400 | 42.10 | -9.13 | 32.97 | -21.03 | 54.00 | Average |
| 2 | | 20457.400 | 57.35 | -9.13 | 48.22 | -25.78 | 74.00 | Peak |
| 3 | | 26815.400 | 39.50 | -5.48 | 34.02 | -19.98 | 54.00 | Average |
| 4 | | 26815.400 | 54.06 | -5.48 | 48.59 | -25.41 | 74.00 | Peak |
| 5 | * | 39111.200 | 40.40 | -0.90 | 39.50 | -14.50 | 54.00 | Average |
| 6 | | 39111.200 | 54.87 | -0.90 | 53.97 | -20.03 | 74.00 | Peak |

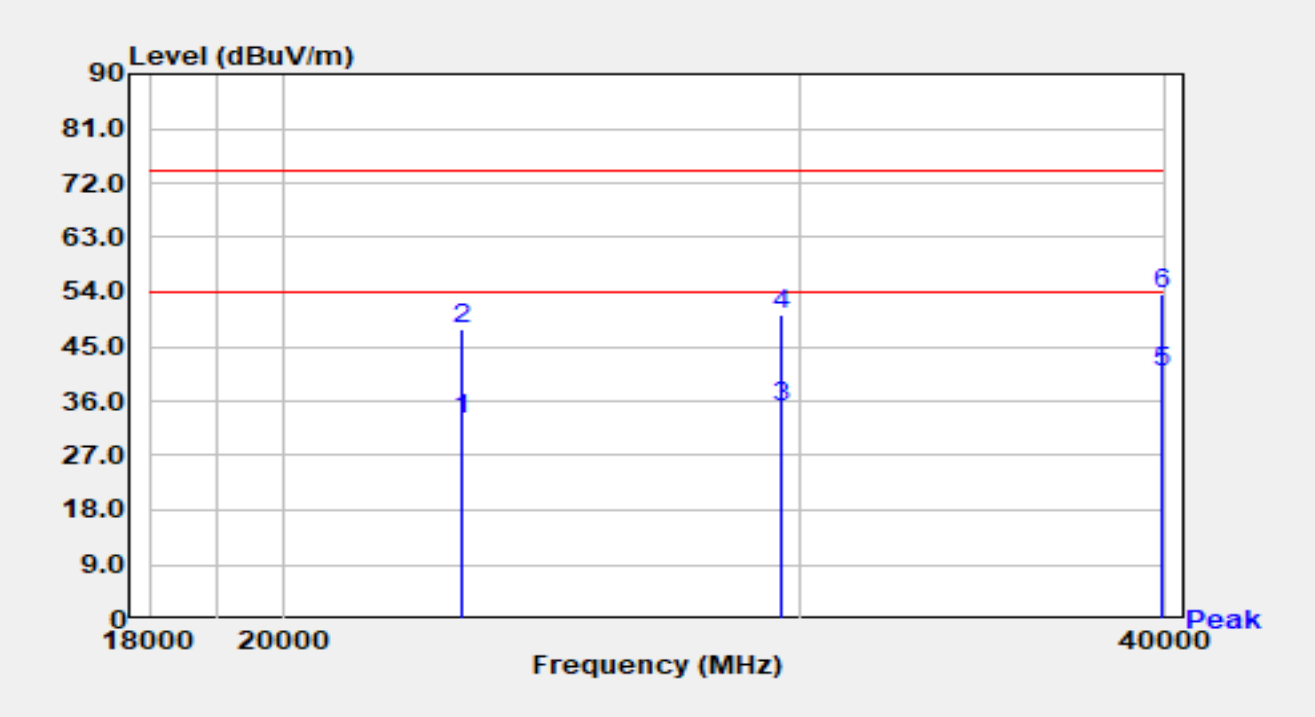
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBµV/m) = Reading(dBµV) + C.F (dB/m).

| Site | WZ-AC1 | Test Date | 2024-11-07 |
|---|---|---|---|
| Test Engineer | Ajin Fan | Temp./Humidity | 26.1°C/53.2% |
| Factor | BBHA 9170_549_18-40GHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 1 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 22991.800 | 39.60 | -6.55 | 33.05 | -20.95 | 54.00 | Average |
| 2 | | 22991.800 | 54.34 | -6.55 | 47.79 | -26.21 | 74.00 | Peak |
| 3 | | 29583.000 | 41.10 | -6.03 | 35.07 | -18.93 | 54.00 | Average |
| 4 | | 29583.000 | 56.13 | -6.03 | 50.10 | -23.90 | 74.00 | Peak |
| 5 | * | 39859.200 | 40.80 | -0.06 | 40.74 | -13.26 | 54.00 | Average |
| 6 | | 39859.200 | 53.76 | -0.06 | 53.70 | -20.30 | 74.00 | Peak |

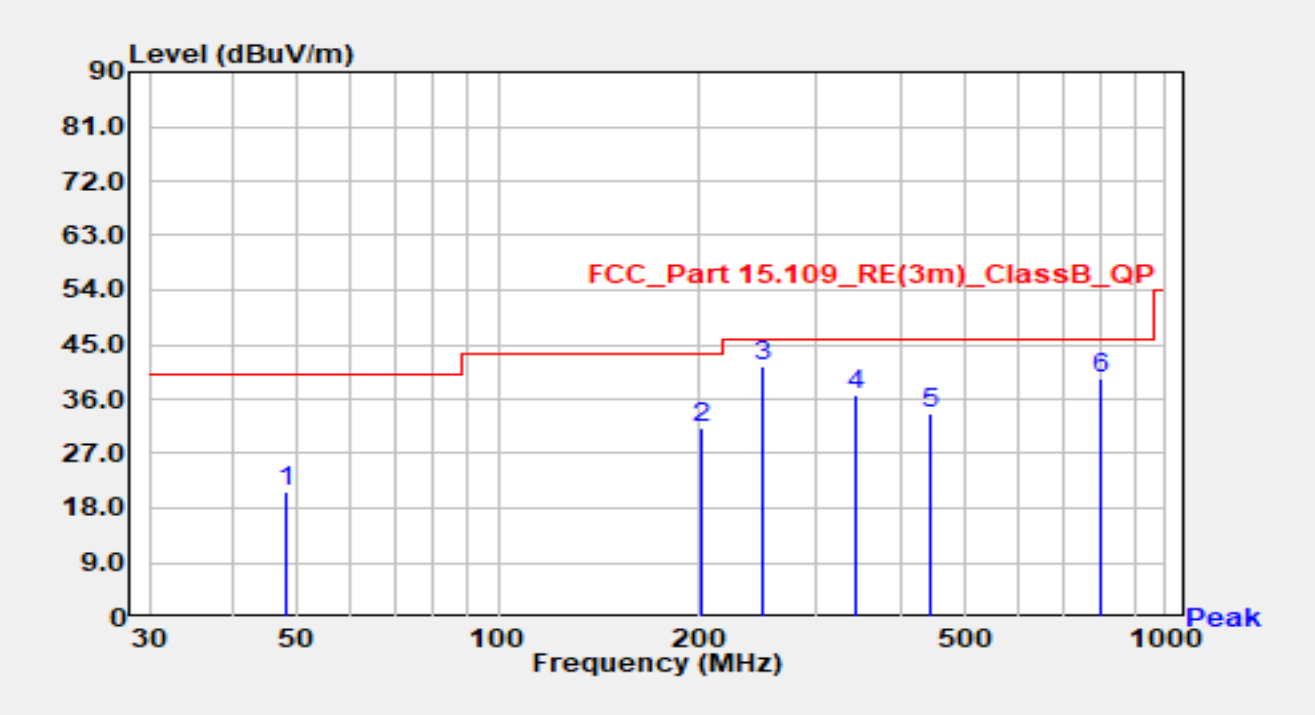
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBµV/m) = Reading(dBµV) + C.F (dB/m).

| Site | WZ-AC2 | Test Date | 2024-11-05 |
|---|---|---|---|
| Test Engineer | Ajin Fan | Temp./Humidity | 25.8°C/25.8% |
| Factor | VULB 9162_30-7000MHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | By POE |
| Test Mode | Mode 2 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 48.236 | 0.25 | 20.47 | 20.72 | -19.28 | 40.00 | QP |
| 2 | | 202.236 | 12.25 | 18.86 | 31.11 | -12.39 | 43.50 | QP |
| 3 | * | 250.000 | 21.09 | 20.20 | 41.29 | -4.71 | 46.00 | QP |
| 4 | | 343.116 | 14.02 | 22.73 | 36.75 | -9.25 | 46.00 | QP |
| 5 | | 442.541 | 9.60 | 24.16 | 33.76 | -12.24 | 46.00 | QP |
| 6 | | 799.986 | 8.77 | 30.69 | 39.46 | -6.54 | 46.00 | QP |

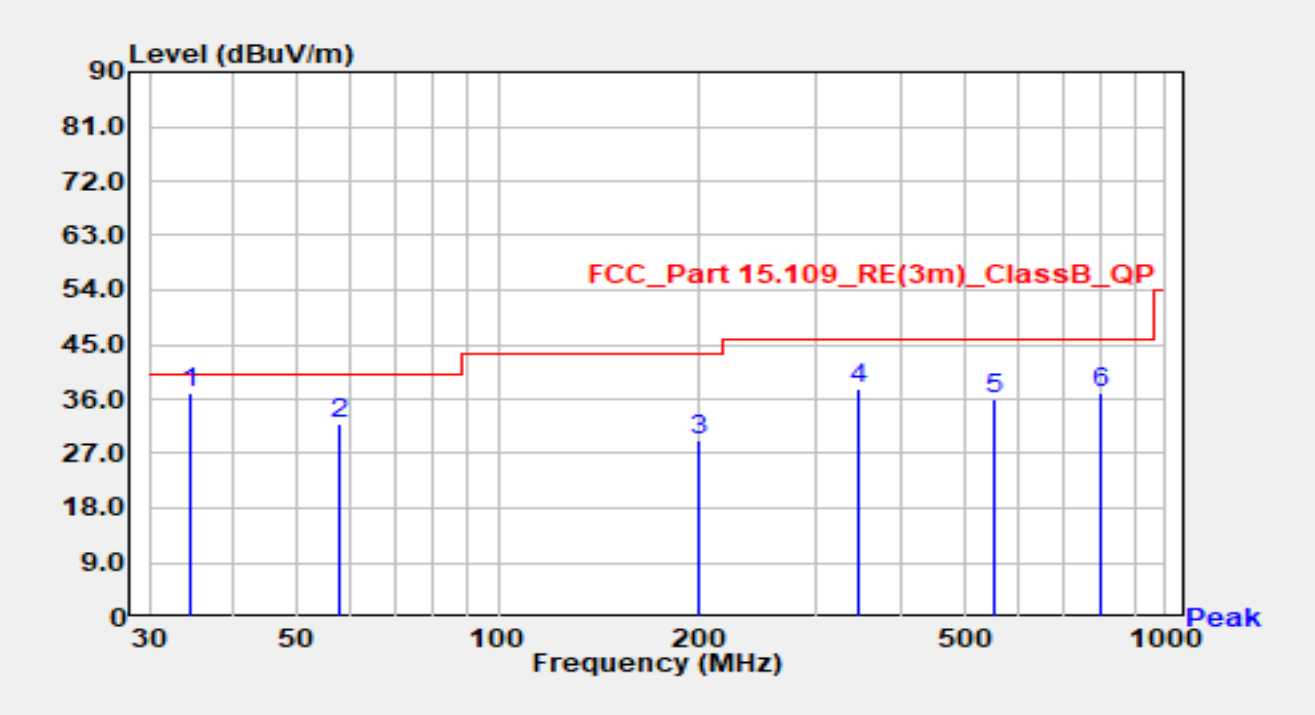
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement(dBµV/m) = Reading(dBµV) + C.F (dB/m).

| Site | WZ-AC2 | Test Date | 2024-11-05 |
|---|---|---|---|
| Test Engineer | Ajin Fan | Temp./Humidity | 25.8°C/25.8% |
| Factor | VULB 9162_30-7000MHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | By POE |
| Test Mode | Mode 2 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | * | 34.539 | 19.45 | 17.44 | 36.89 | -3.11 | 40.00 | QP |
| 2 | | 58.033 | 12.11 | 19.76 | 31.87 | -8.13 | 40.00 | QP |
| 3 | | 200.526 | 10.31 | 18.98 | 29.29 | -14.21 | 43.50 | QP |
| 4 | | 346.996 | 14.70 | 22.95 | 37.65 | -8.35 | 46.00 | QP |
| 5 | | 553.606 | 9.58 | 26.50 | 36.08 | -9.92 | 46.00 | QP |
| 6 | | 799.986 | 6.47 | 30.69 | 37.16 | -8.84 | 46.00 | QP |

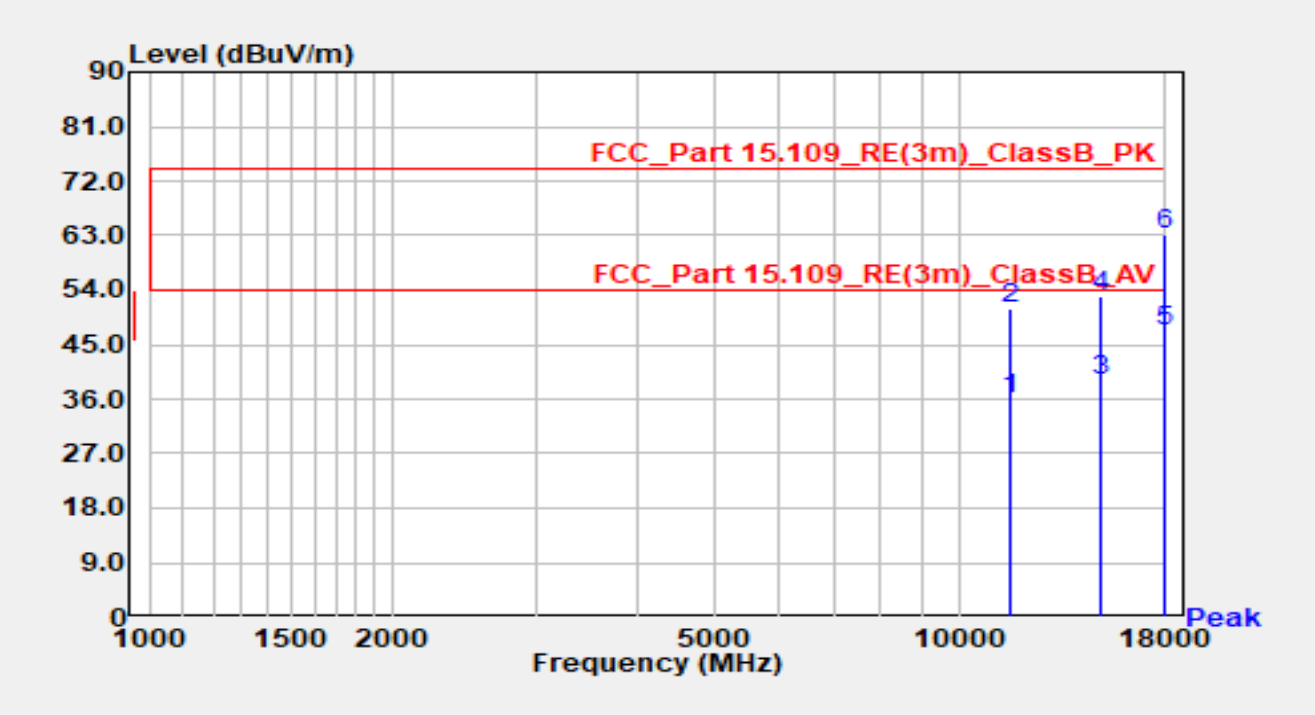
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | WZ-AC2 | Test Date | 2024-11-05 |
|---|---|---|---|
| Test Engineer | Ajin Fan | Temp./Humidity | 25.8°C/25.8% |
| Factor | BBHA 9120D_1457_1-18GHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | By POE |
| Test Mode | Mode 2 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 11572.300 | 18.89 | 17.06 | 35.95 | -18.05 | 54.00 | Average |
| 2 | | 11572.300 | 33.87 | 17.06 | 50.93 | -23.07 | 74.00 | Peak |
| 3 | | 14929.800 | 19.80 | 19.19 | 38.99 | -15.01 | 54.00 | Average |
| 4 | | 14929.800 | 33.82 | 19.19 | 53.01 | -20.99 | 74.00 | Peak |
| 5 | * | 17962.600 | 19.35 | 27.95 | 47.30 | -6.70 | 54.00 | Average |
| 6 | | 17962.600 | 35.17 | 27.95 | 63.12 | -10.88 | 74.00 | Peak |

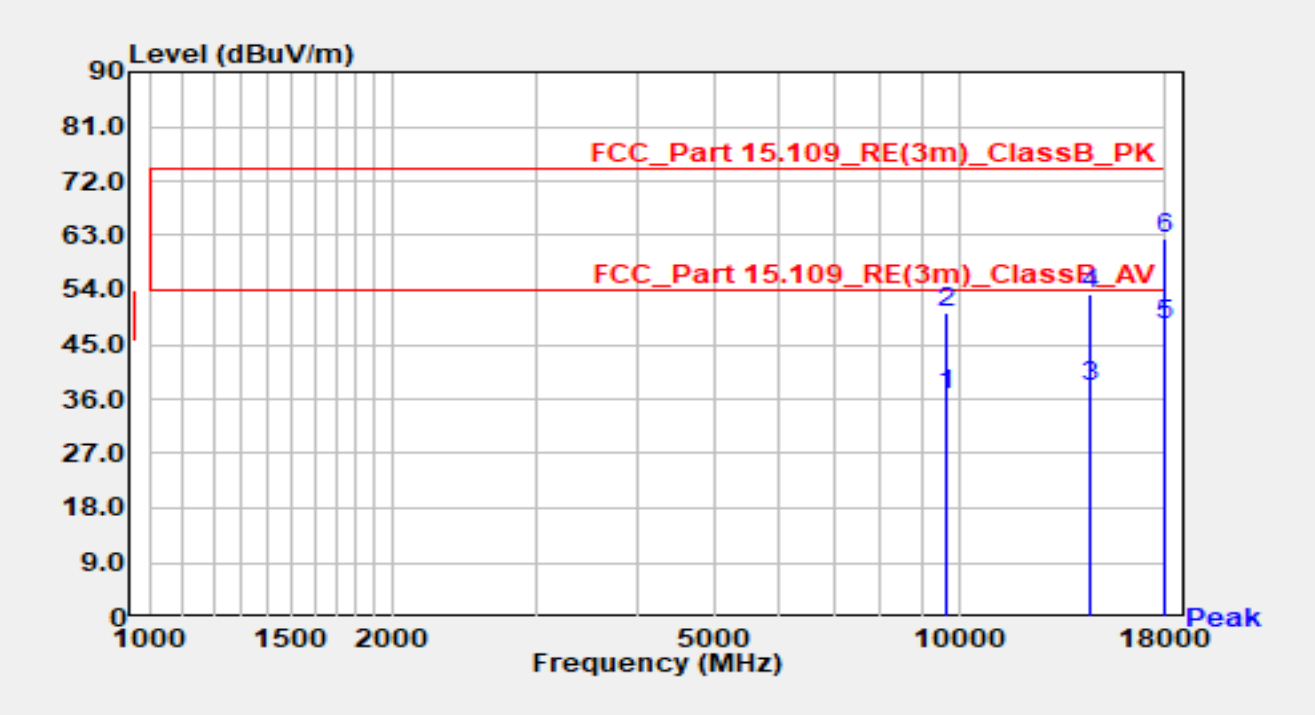
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | WZ-AC2 | Test Date | 2024-11-05 |
|---|---|---|---|
| Test Engineer | Ajin Fan | Temp./Humidity | 25.8°C/25.8% |
| Factor | BBHA 9120D_1457_1-18GHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | By POE |
| Test Mode | Mode 2 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 9647.900 | 23.98 | 12.77 | 36.75 | -17.25 | 54.00 | Average |
| 2 | | 9647.900 | 37.57 | 12.77 | 50.33 | -23.67 | 74.00 | Peak |
| 3 | | 14521.800 | 19.20 | 19.00 | 38.20 | -15.80 | 54.00 | Average |
| 4 | | 14521.800 | 34.27 | 19.00 | 53.27 | -20.73 | 74.00 | Peak |
| 5 | * | 17986.400 | 19.56 | 28.56 | 48.12 | -5.88 | 54.00 | Average |
| 6 | | 17986.400 | 34.01 | 28.56 | 62.58 | -11.42 | 74.00 | Peak |

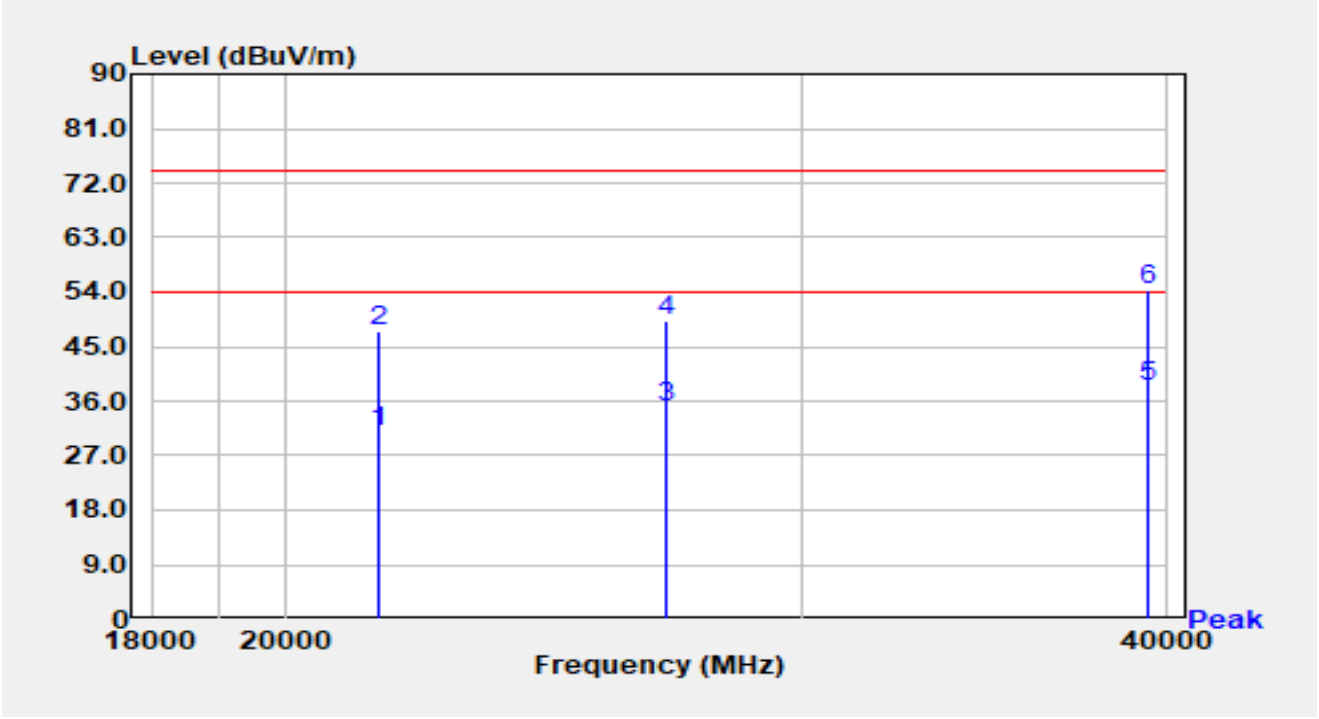
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBµV/m) = Reading(dBµV) + C.F (dB/m).

| Site | WZ-AC1 | Test Date | 2024-11-07 |
|---|---|---|---|
| Test Engineer | Ajin Fan | Temp./Humidity | 26.1°C/53.2% |
| Factor | BBHA 9170_549_18-40GHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | By POE |
| Test Mode | Mode 2 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 21535.400 | 39.00 | -8.22 | 30.78 | -23.22 | 54.00 | Average |
| 2 | | 21535.400 | 55.67 | -8.22 | 47.44 | -26.56 | 74.00 | Peak |
| 3 | | 26971.600 | 41.30 | -6.22 | 35.08 | -18.92 | 54.00 | Average |
| 4 | | 26971.600 | 55.47 | -6.22 | 49.25 | -24.75 | 74.00 | Peak |
| 5 | * | 39419.200 | 38.80 | -0.31 | 38.49 | -15.51 | 54.00 | Average |
| 6 | | 39419.200 | 54.66 | -0.31 | 54.35 | -19.65 | 74.00 | Peak |

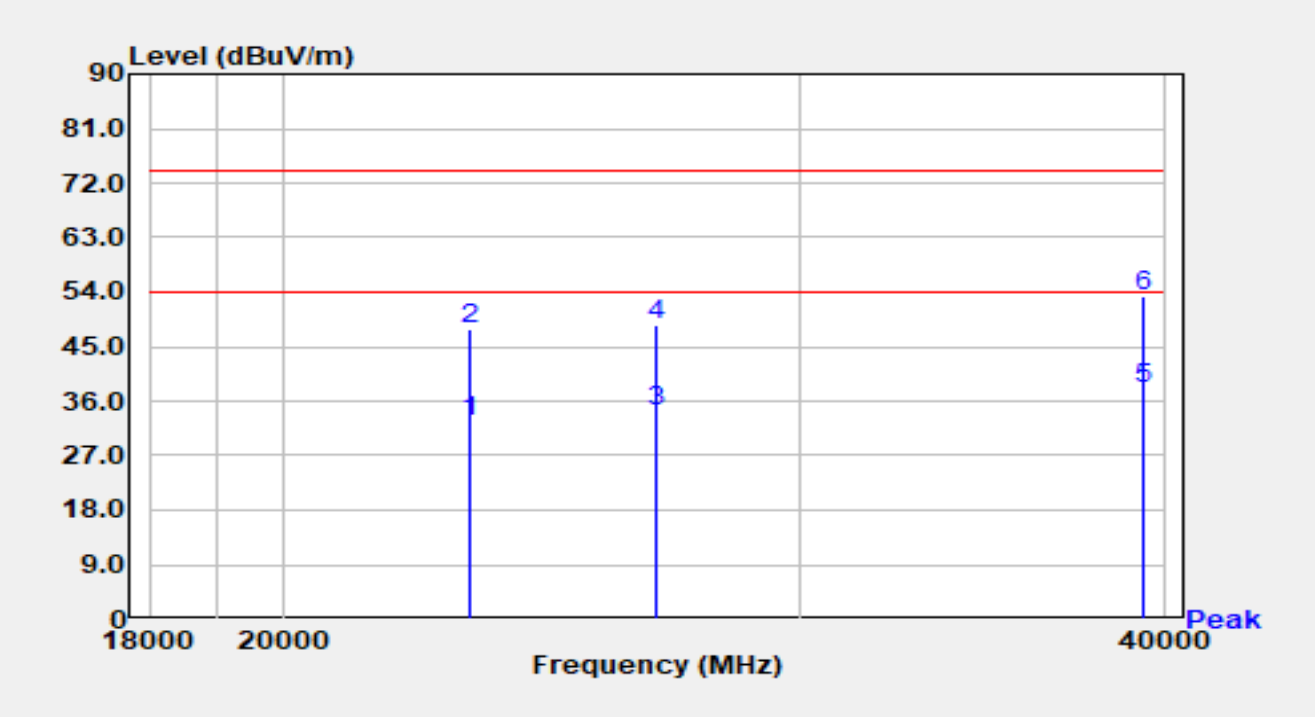
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBµV/m) = Reading(dBµV) + C.F (dB/m).

| Site | WZ-AC1 | Test Date | 2024-11-07 |
|---|---|---|---|
| Test Engineer | Ajin Fan | Temp./Humidity | 26.1°C/53.2% |
| Factor | BBHA 9170_549_18-40GHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | By POE |
| Test Mode | Mode 2 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 23154.600 | 39.20 | -6.65 | 32.55 | -21.45 | 54.00 | Average |
| 2 | | 23154.600 | 54.49 | -6.65 | 47.84 | -26.16 | 74.00 | Peak |
| 3 | | 26800.000 | 39.70 | -5.35 | 34.35 | -19.65 | 54.00 | Average |
| 4 | | 26800.000 | 54.04 | -5.35 | 48.69 | -25.31 | 74.00 | Peak |
| 5 | * | 39282.800 | 38.60 | -0.51 | 38.09 | -15.91 | 54.00 | Average |
| 6 | | 39282.800 | 53.94 | -0.51 | 53.42 | -20.58 | 74.00 | Peak |

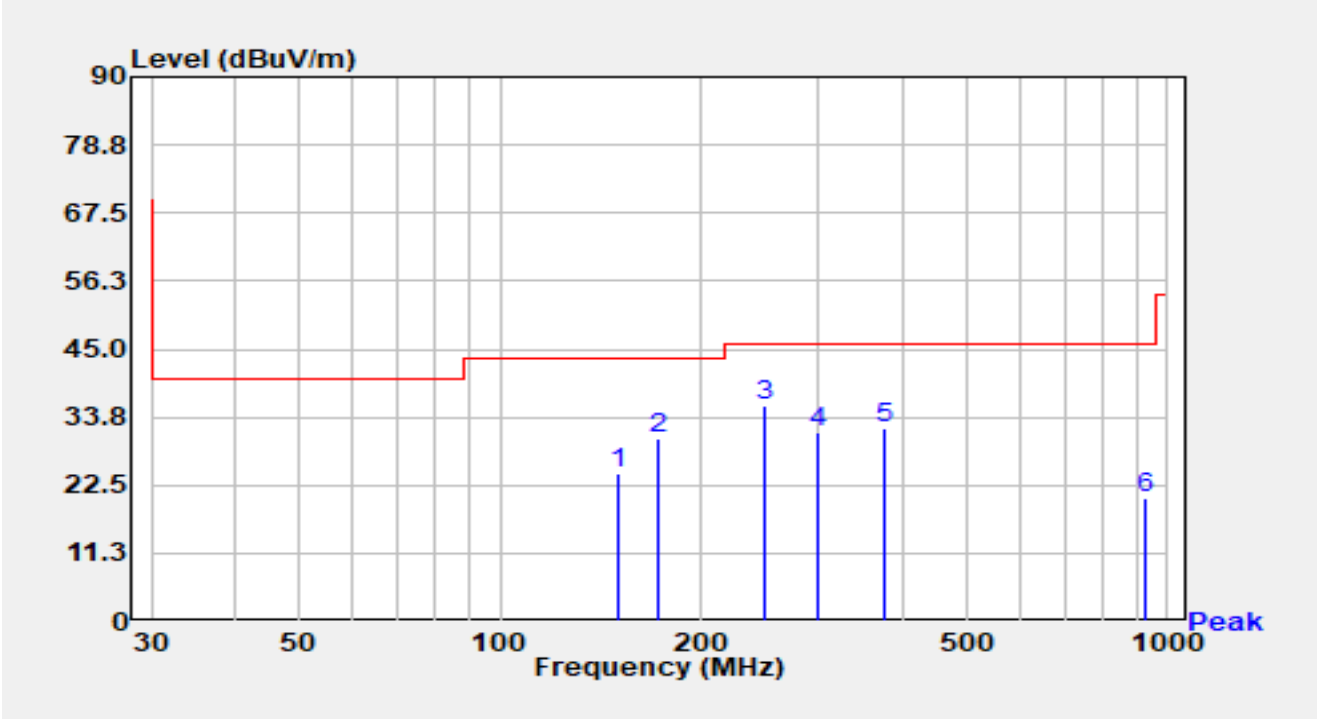
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBµV/m) = Reading(dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-12-18 |
|---|---|---|---|
| Temperature | 19.3°C | Humidity | 35.2% |
| Limit | FCC_Part 15.209_RSE(3m)_QP | Test Engineer | Fusco Pan |
| Factor | VULB 9168_00997_25-2000MHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 3 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 150.116 | 6.00 | 18.44 | 24.44 | -19.06 | 43.50 | QP |
| 2 | | 172.236 | 12.50 | 17.65 | 30.15 | -13.35 | 43.50 | QP |
| 3 | * | 250.038 | 18.80 | 17.02 | 35.82 | -10.18 | 46.00 | QP |
| 4 | | 300.052 | 12.40 | 18.70 | 31.10 | -14.90 | 46.00 | QP |
| 5 | | 376.995 | 11.40 | 20.57 | 31.97 | -14.03 | 46.00 | QP |
| 6 | | 922.192 | -9.80 | 30.03 | 20.23 | -25.77 | 46.00 | QP |

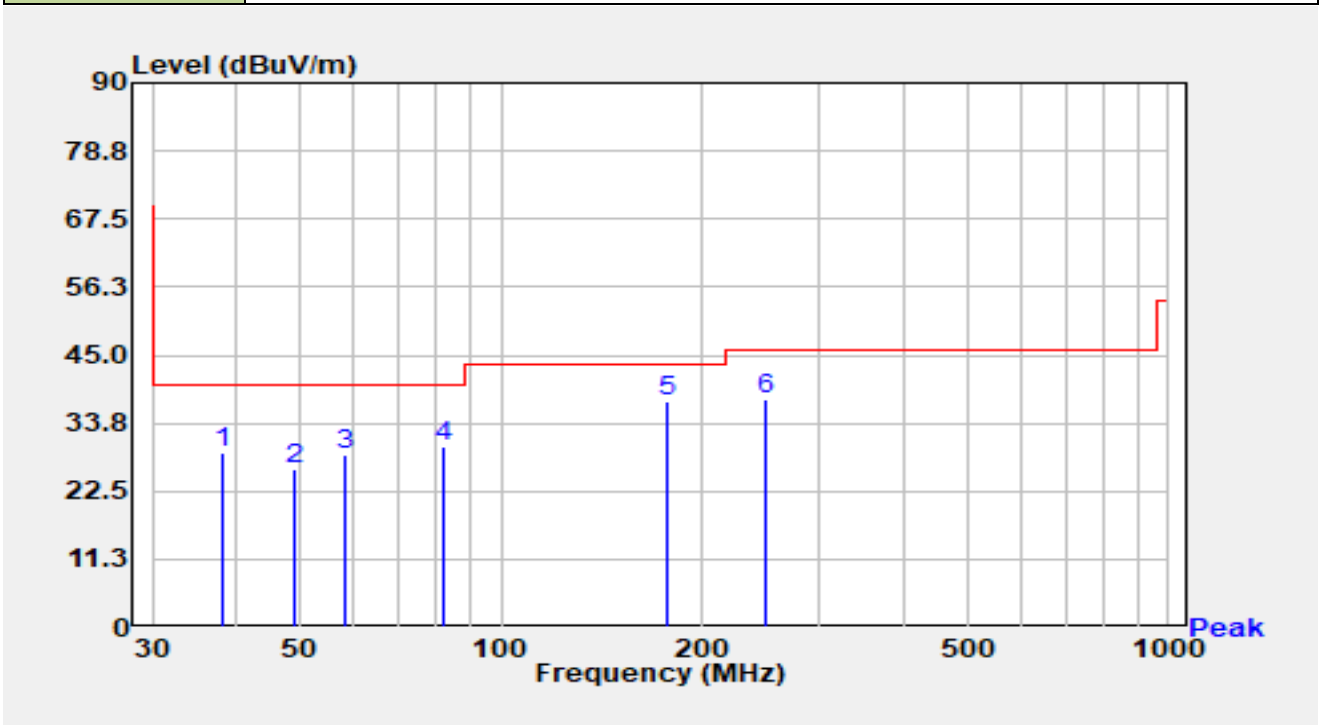
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-12-18 |
|---|---|---|---|
| Temperature | 19.3°C | Humidity | 35.2% |
| Limit | FCC_Part 15.209_RSE(3m)_QP | Test Engineer | Fusco Pan |
| Factor | VULB 9168_00997_25-2000MHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 3 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 38.292 | 11.20 | 17.83 | 29.03 | -10.97 | 40.00 | QP |
| 2 | | 48.860 | 7.60 | 18.65 | 26.25 | -13.75 | 40.00 | QP |
| 3 | | 58.264 | 10.40 | 18.25 | 28.65 | -11.35 | 40.00 | QP |
| 4 | | 82.013 | 16.30 | 13.74 | 30.04 | -9.96 | 40.00 | QP |
| 5 | * | 177.323 | 20.40 | 17.12 | 37.52 | -5.98 | 43.50 | QP |
| 6 | | 250.038 | 20.80 | 17.02 | 37.82 | -8.18 | 46.00 | QP |

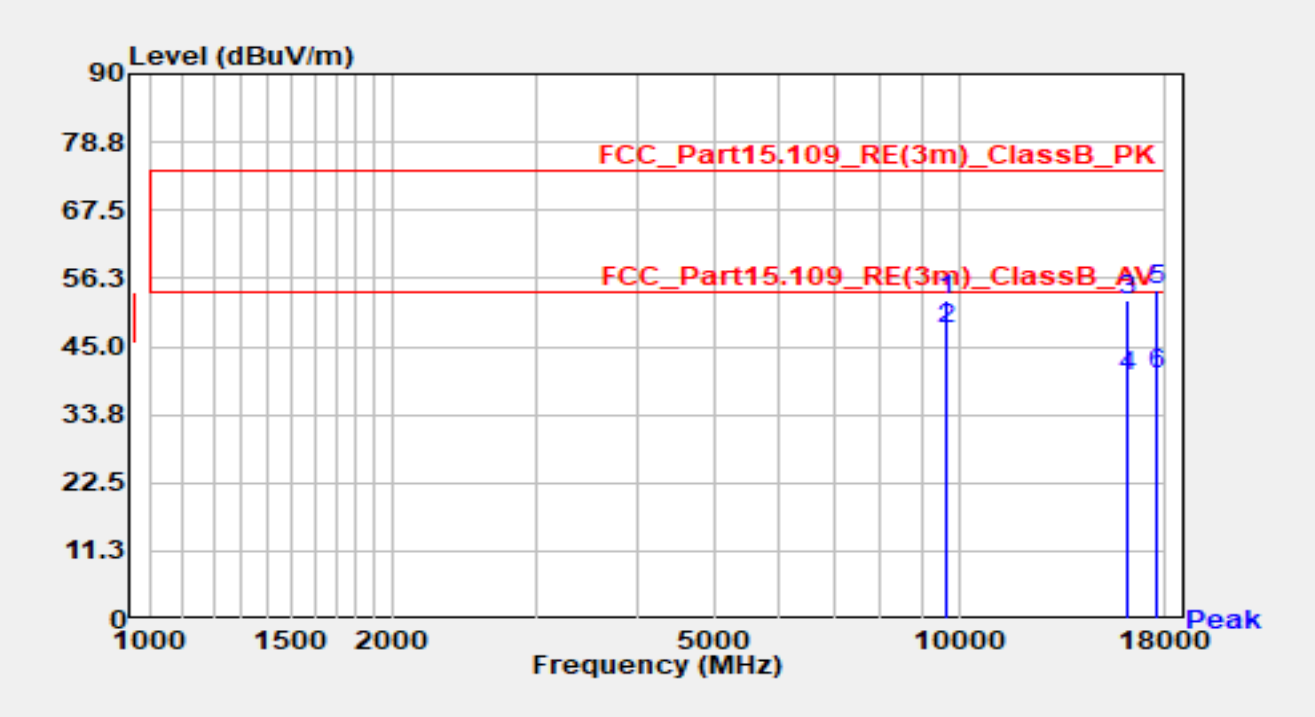
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-07 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 21.1°C/51.5% |
| Factor | HF907_102861_1-18GHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 3 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 9647.900 | 54.31 | -1.55 | 52.76 | -21.24 | 74.00 | Peak |
| 2 | * | 9647.900 | 49.36 | -1.55 | 47.81 | -6.19 | 54.00 | Average |
| 3 | | 16109.600 | 47.06 | 5.67 | 52.73 | -21.27 | 74.00 | Peak |
| 4 | | 16109.600 | 34.37 | 5.67 | 40.04 | -13.96 | 54.00 | Average |
| 5 | | 17532.500 | 45.60 | 8.81 | 54.40 | -19.60 | 74.00 | Peak |
| 6 | | 17532.500 | 31.69 | 8.81 | 40.50 | -13.50 | 54.00 | Average |

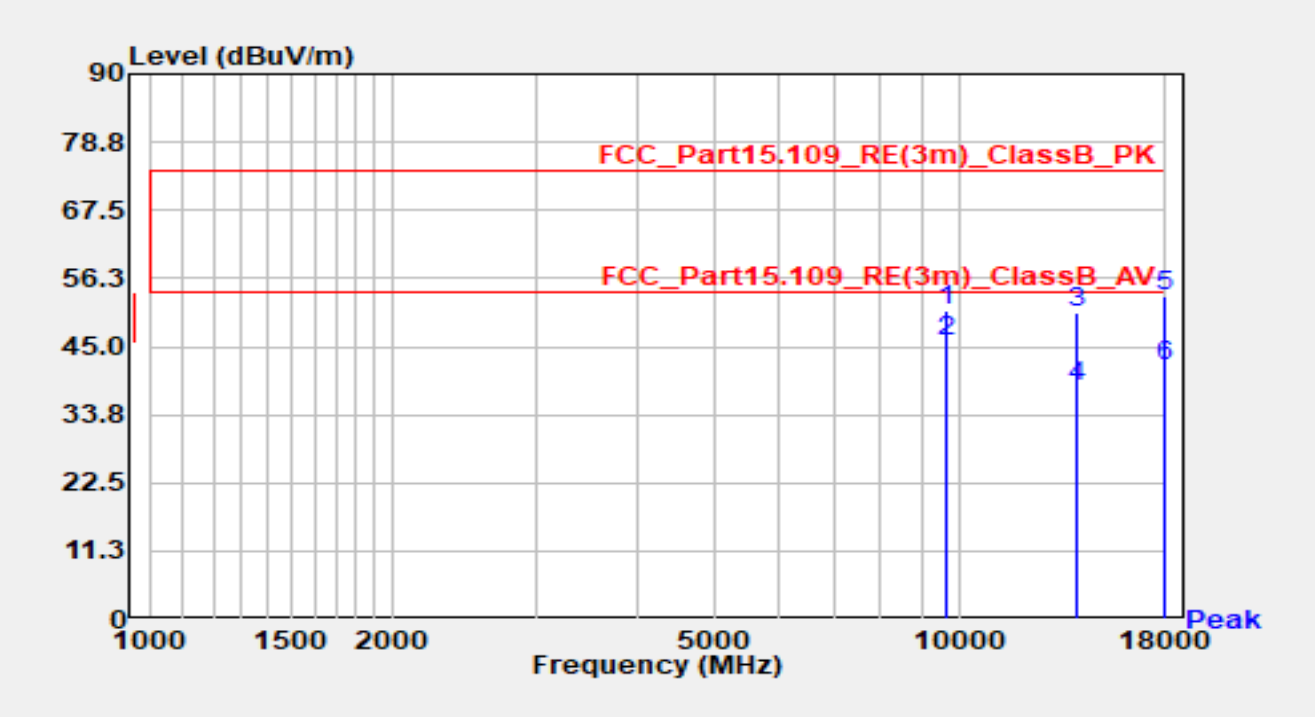
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-07 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 21.1°C/51.5% |
| Factor | HF907_102861_1-18GHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 3 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 9647.900 | 52.38 | -1.55 | 50.83 | -23.17 | 74.00 | Peak |
| 2 | * | 9647.900 | 47.51 | -1.55 | 45.96 | -8.04 | 54.00 | Average |
| 3 | | 14023.700 | 47.02 | 3.48 | 50.50 | -23.50 | 74.00 | Peak |
| 4 | | 14023.700 | 34.95 | 3.48 | 38.43 | -15.57 | 54.00 | Average |
| 5 | | 17959.200 | 43.24 | 10.24 | 53.48 | -20.52 | 74.00 | Peak |
| 6 | | 17959.200 | 31.54 | 10.24 | 41.78 | -12.22 | 54.00 | Average |

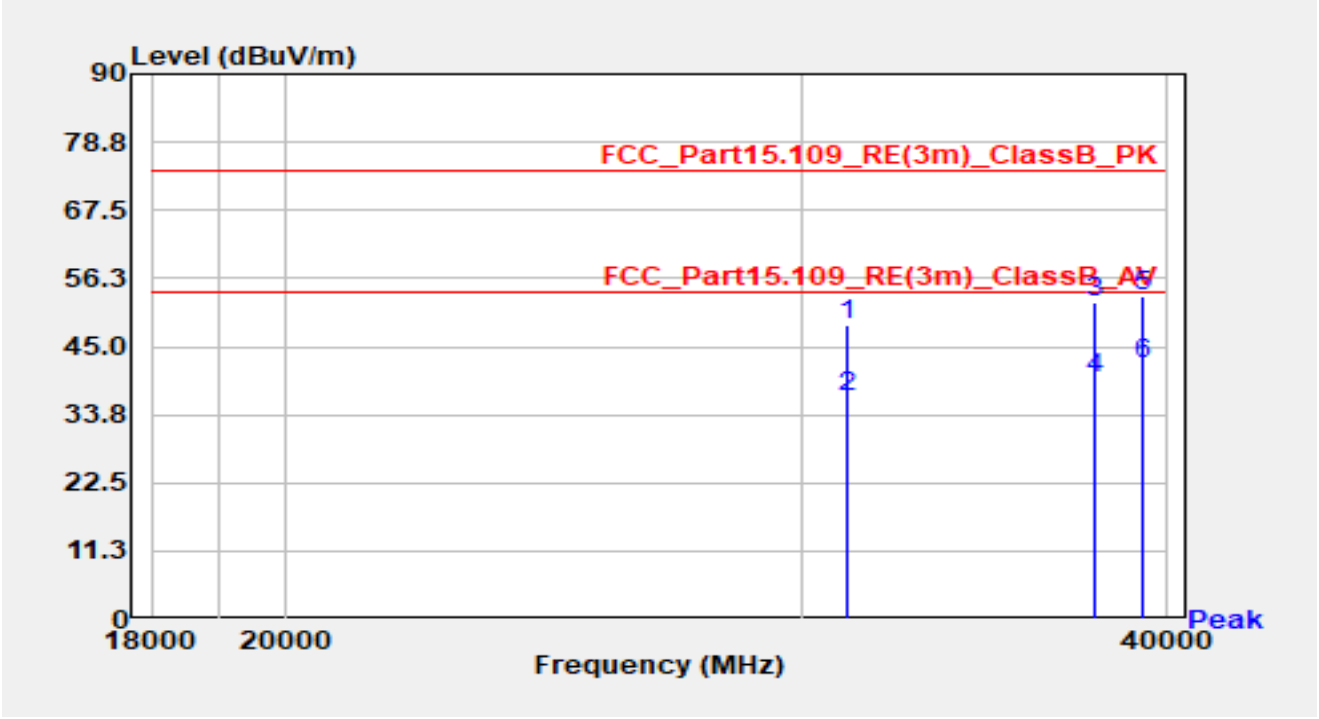
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-15 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 20.7°C/62.4% |
| Factor | BBHA 9170_00934_18-40GHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 3 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 31094.400 | 57.59 | -9.10 | 48.49 | -25.51 | 74.00 | Peak |
| 2 | | 31094.400 | 45.75 | -9.10 | 36.65 | -17.35 | 54.00 | Average |
| 3 | | 37749.400 | 55.06 | -2.78 | 52.27 | -21.73 | 74.00 | Peak |
| 4 | | 37749.400 | 42.64 | -2.78 | 39.86 | -14.14 | 54.00 | Average |
| 5 | | 39249.800 | 52.52 | 0.80 | 53.31 | -20.69 | 74.00 | Peak |
| 6 | * | 39249.800 | 41.34 | 0.80 | 42.14 | -11.86 | 54.00 | Average |

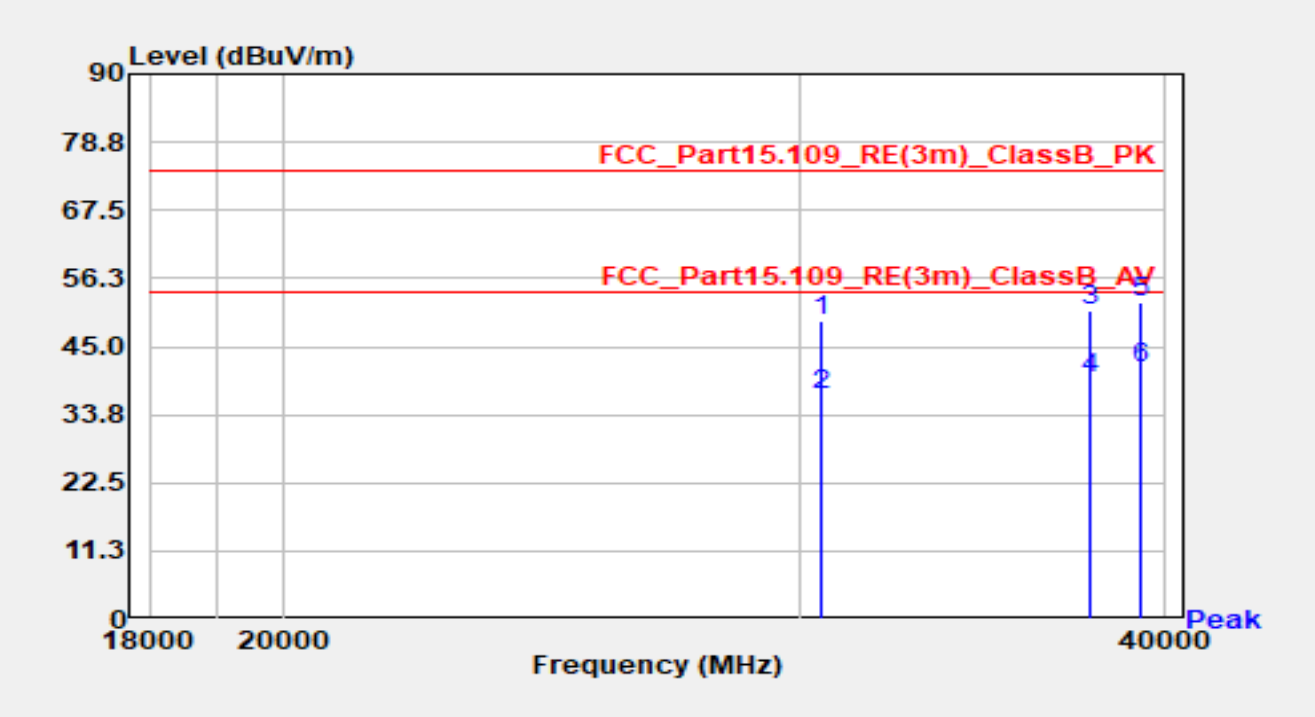
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-15 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 20.7°C/62.4% |
| Factor | BBHA 9170_00934_18-40GHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 3 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 30498.200 | 57.70 | -8.51 | 49.19 | -24.81 | 74.00 | Peak |
| 2 | | 30498.200 | 45.64 | -8.51 | 37.13 | -16.87 | 54.00 | Average |
| 3 | | 37734.000 | 53.68 | -2.86 | 50.82 | -23.18 | 74.00 | Peak |
| 4 | | 37734.000 | 42.69 | -2.86 | 39.83 | -14.17 | 54.00 | Average |
| 5 | | 39203.600 | 52.52 | -0.07 | 52.45 | -21.55 | 74.00 | Peak |
| 6 | * | 39203.600 | 41.62 | -0.07 | 41.55 | -12.45 | 54.00 | Average |

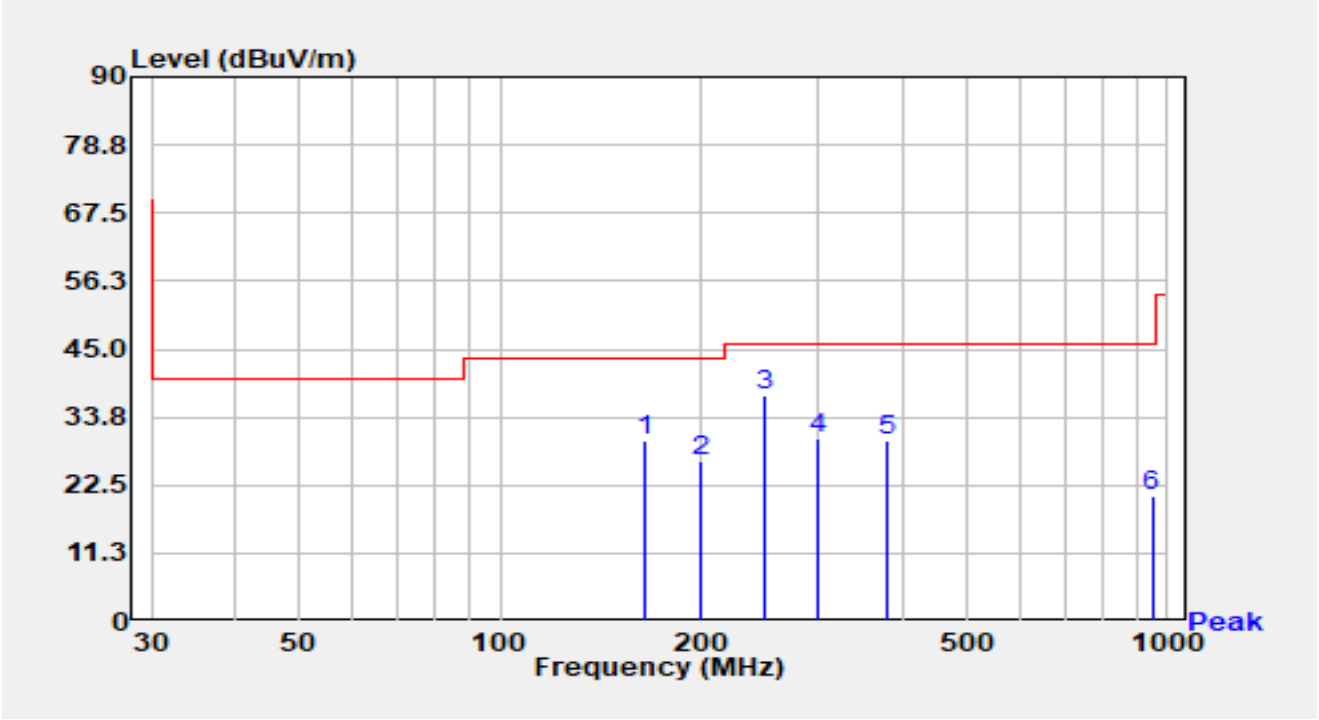
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-12-18 |
|---|---|---|---|
| Temperature | 19.3°C | Humidity | 35.2% |
| Limit | FCC_Part 15.209_RSE(3m)_QP | Test Engineer | Fusco Pan |
| Factor | VULB 9168_00997_25-2000MHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 4 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 165.023 | 11.63 | 18.11 | 29.74 | -13.76 | 43.50 | QP |
| 2 | | 199.986 | 11.38 | 15.11 | 26.49 | -17.01 | 43.50 | QP |
| 3 | * | 250.038 | 20.30 | 17.02 | 37.32 | -8.68 | 46.00 | QP |
| 4 | | 300.052 | 11.40 | 18.70 | 30.09 | -15.91 | 46.00 | QP |
| 5 | | 379.116 | 9.24 | 20.61 | 29.84 | -16.16 | 46.00 | QP |
| 6 | | 947.763 | -9.40 | 30.24 | 20.84 | -25.16 | 46.00 | QP |

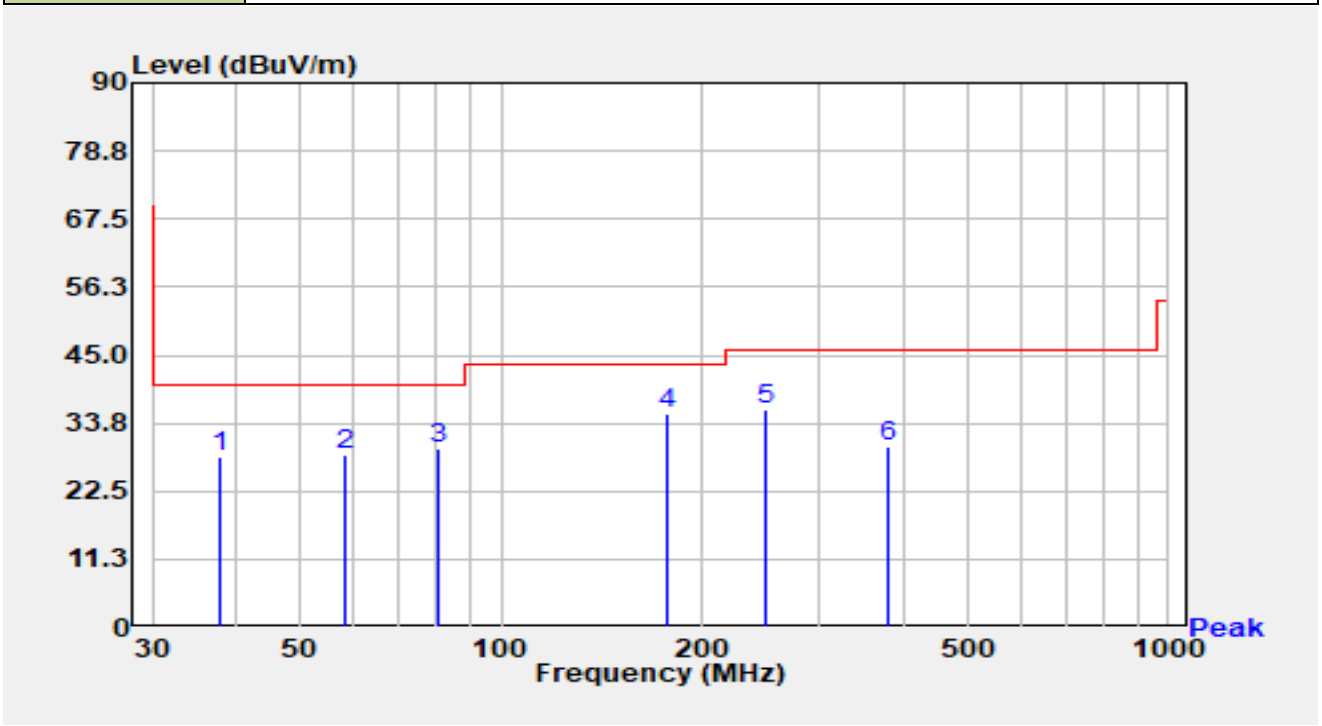
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-12-18 |
|---|---|---|---|
| Temperature | 19.3°C | Humidity | 35.2% |
| Limit | FCC_Part 15.209_RSE(3m)_QP | Test Engineer | Fusco Pan |
| Factor | VULB 9168_00997_25-2000MHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 4 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 38.012 | 10.43 | 17.80 | 28.23 | -11.77 | 40.00 | QP |
| 2 | | 58.469 | 10.23 | 18.23 | 28.46 | -11.54 | 40.00 | QP |
| 3 | | 80.137 | 15.39 | 14.17 | 29.56 | -10.44 | 40.00 | QP |
| 4 | * | 176.640 | 18.20 | 17.19 | 35.39 | -8.11 | 43.50 | QP |
| 5 | | 250.038 | 19.03 | 17.02 | 36.06 | -9.94 | 46.00 | QP |
| 6 | | 378.584 | 9.13 | 20.60 | 29.73 | -16.27 | 46.00 | QP |

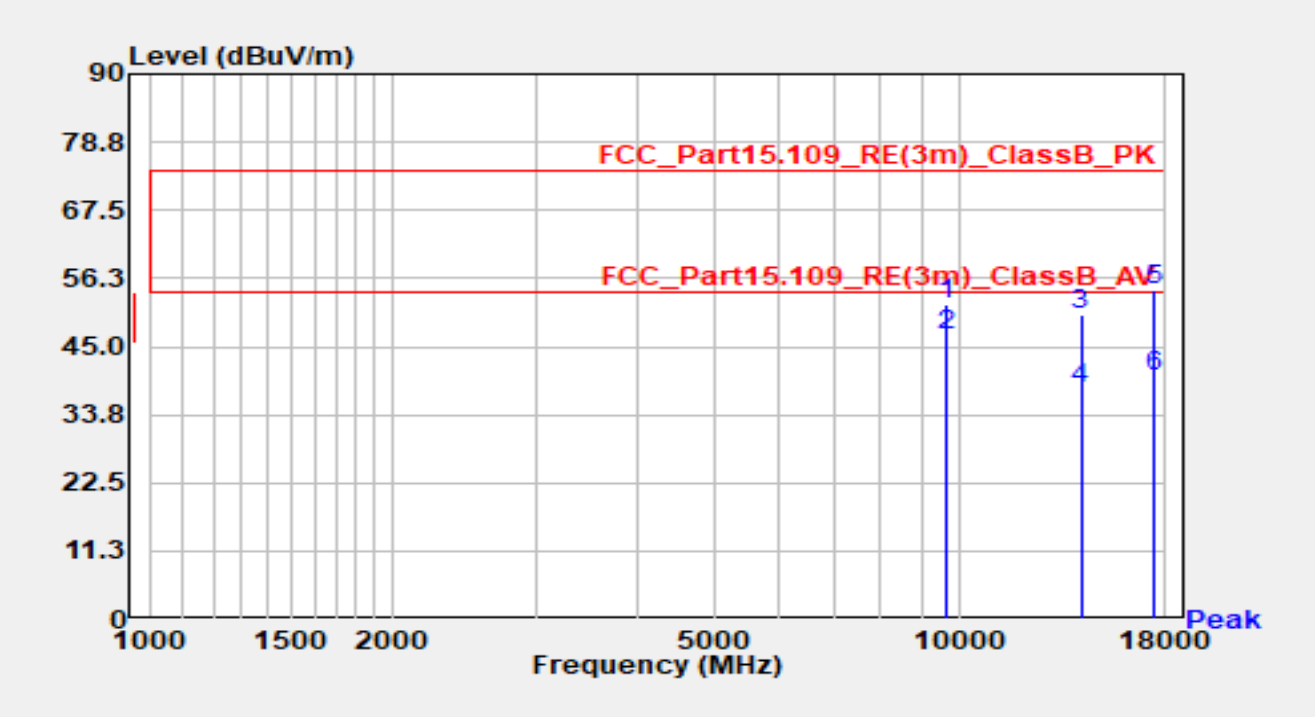
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-07 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 21.1°C/51.5% |
| Factor | HF907_102861_1-18GHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 4 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 9647.900 | 53.48 | -1.55 | 51.93 | -22.07 | 74.00 | Peak |
| 2 | * | 9647.900 | 48.49 | -1.55 | 46.94 | -7.06 | 54.00 | Average |
| 3 | | 14144.400 | 47.14 | 3.20 | 50.35 | -23.65 | 74.00 | Peak |
| 4 | | 14144.400 | 34.68 | 3.20 | 37.88 | -16.12 | 54.00 | Average |
| 5 | | 17467.900 | 45.88 | 8.42 | 54.31 | -19.69 | 74.00 | Peak |
| 6 | | 17467.900 | 31.75 | 8.42 | 40.17 | -13.83 | 54.00 | Average |

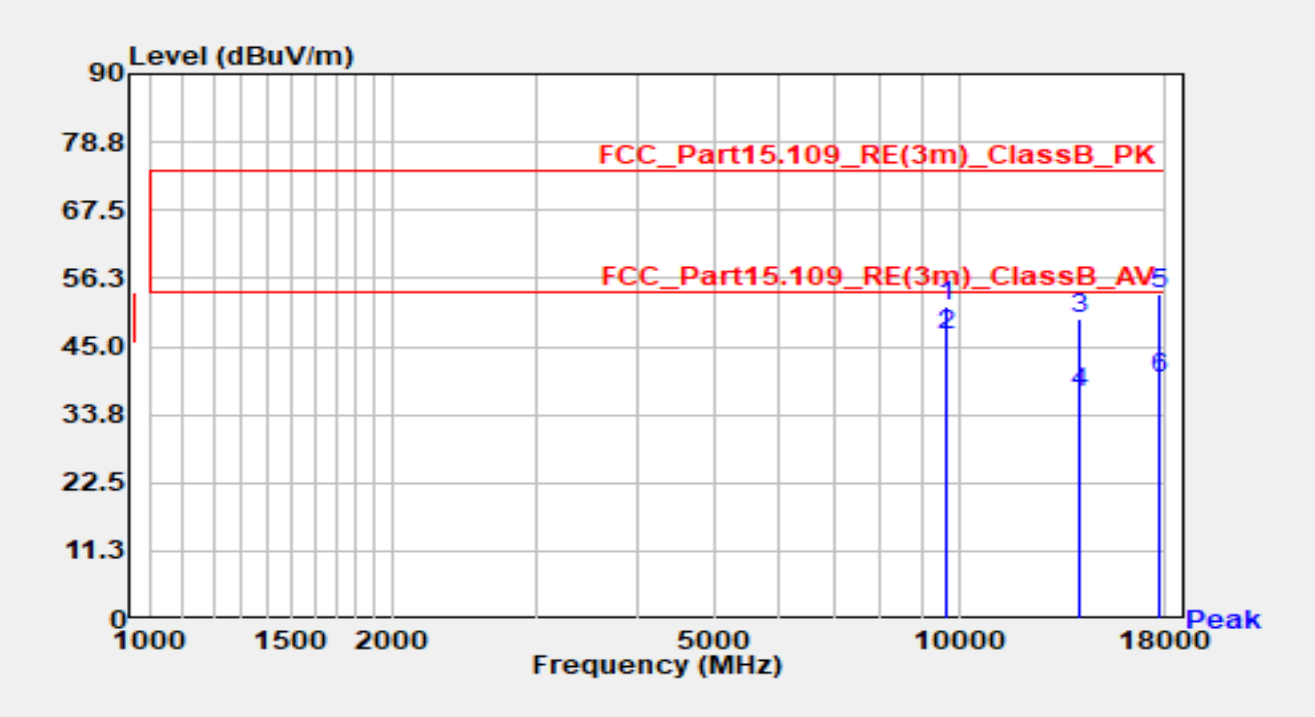
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-07 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 21.1°C/51.5% |
| Factor | HF907_102861_1-18GHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 4 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 9647.900 | 53.08 | -1.55 | 51.52 | -22.48 | 74.00 | Peak |
| 2 | * | 9647.900 | 48.57 | -1.55 | 47.02 | -6.98 | 54.00 | Average |
| 3 | | 14090.000 | 46.88 | 2.66 | 49.54 | -24.46 | 74.00 | Peak |
| 4 | | 14090.000 | 34.69 | 2.66 | 37.35 | -16.65 | 54.00 | Average |
| 5 | | 17714.400 | 45.48 | 8.19 | 53.67 | -20.33 | 74.00 | Peak |
| 6 | | 17714.400 | 31.68 | 8.19 | 39.87 | -14.13 | 54.00 | Average |

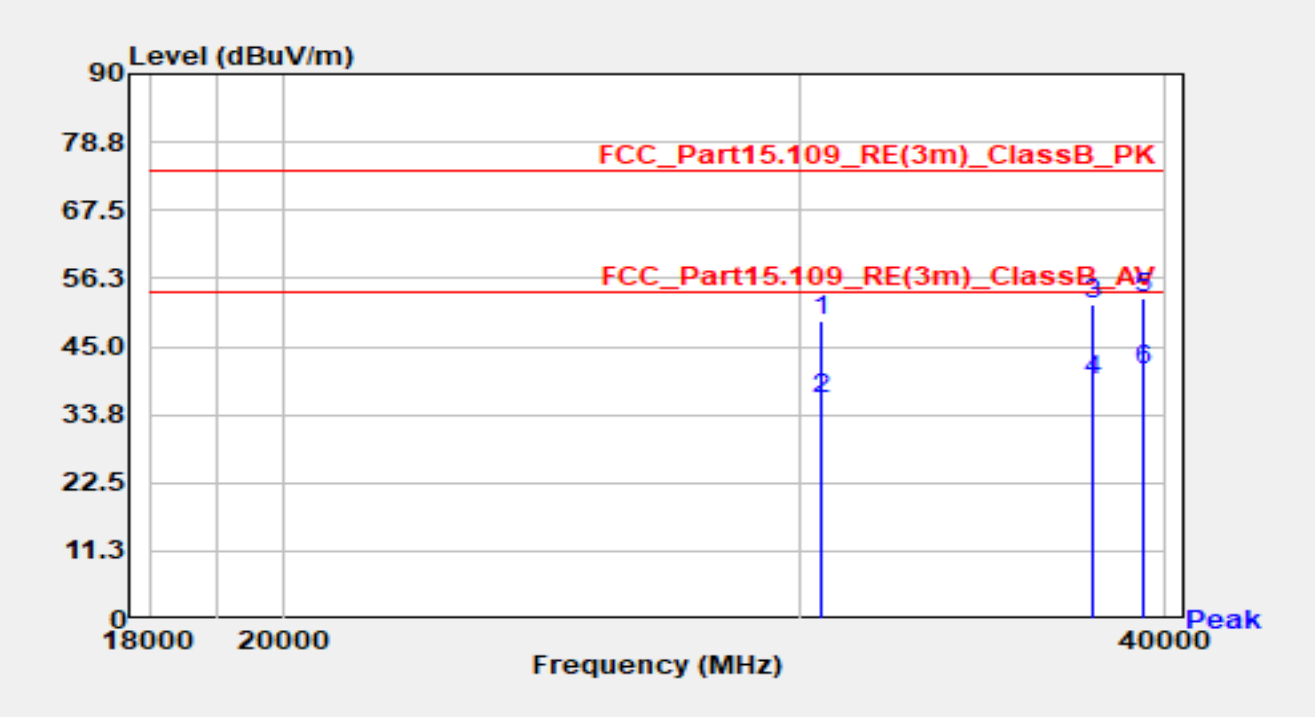
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-15 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 20.7°C/62.4% |
| Factor | BBHA 9170_00934_18-40GHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 4 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 30500.400 | 57.67 | -8.49 | 49.18 | -24.82 | 74.00 | Peak |
| 2 | | 30500.400 | 44.79 | -8.49 | 36.30 | -17.70 | 54.00 | Average |
| 3 | | 37764.800 | 54.57 | -2.77 | 51.80 | -22.20 | 74.00 | Peak |
| 4 | | 37764.800 | 42.19 | -2.77 | 39.42 | -14.58 | 54.00 | Average |
| 5 | | 39274.000 | 53.17 | -0.11 | 53.05 | -20.95 | 74.00 | Peak |
| 6 | * | 39274.000 | 41.34 | -0.11 | 41.23 | -12.77 | 54.00 | Average |

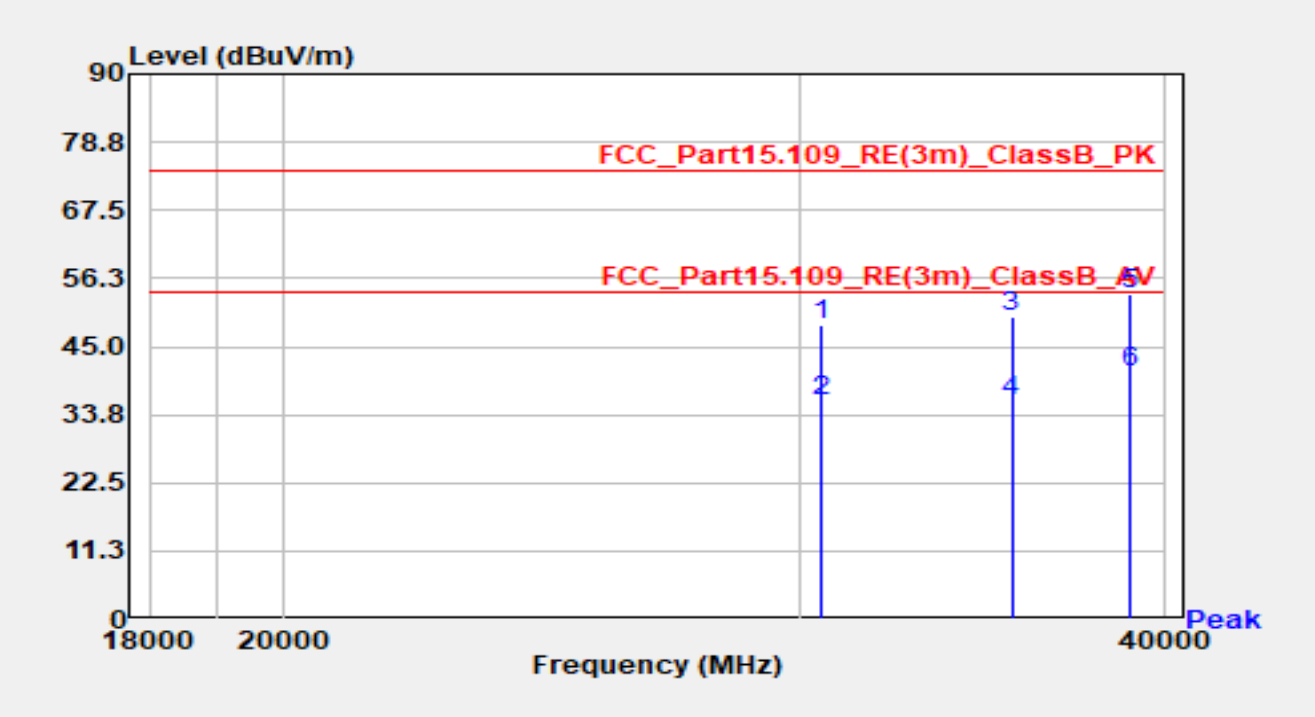
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBµV/m) = Reading(dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-15 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 20.7°C/62.4% |
| Factor | BBHA 9170_00934_18-40GHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 4 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 30533.400 | 57.19 | -8.69 | 48.50 | -25.50 | 74.00 | Peak |
| 2 | | 30533.400 | 44.69 | -8.69 | 36.00 | -18.00 | 54.00 | Average |
| 3 | | 35441.600 | 56.82 | -6.79 | 50.02 | -23.98 | 74.00 | Peak |
| 4 | | 35441.600 | 42.86 | -6.79 | 36.07 | -17.93 | 54.00 | Average |
| 5 | | 38908.800 | 54.43 | -0.91 | 53.52 | -20.48 | 74.00 | Peak |
| 6 | * | 38908.800 | 41.75 | -0.91 | 40.84 | -13.16 | 54.00 | Average |

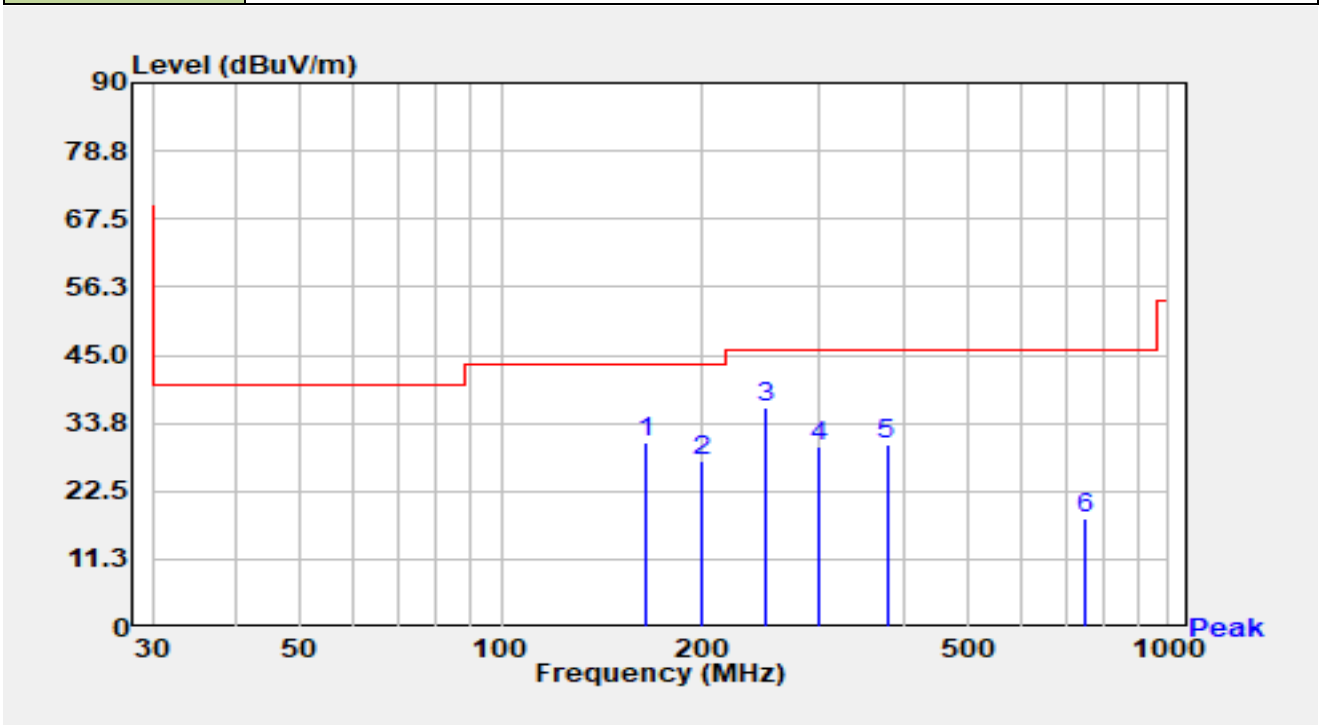
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-12-18 |
|---|---|---|---|
| Temperature | 19.3°C | Humidity | 35.2% |
| Limit | FCC_Part 15.209_RSE(3m)_QP | Test Engineer | Fusco Pan |
| Factor | VULB 9168_00997_25-2000MHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 5 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 164.330 | 12.28 | 18.13 | 30.41 | -13.09 | 43.50 | QP |
| 2 | | 199.986 | 12.46 | 15.11 | 27.57 | -15.93 | 43.50 | QP |
| 3 | * | 250.038 | 19.30 | 17.02 | 36.32 | -9.68 | 46.00 | QP |
| 4 | | 300.052 | 11.04 | 18.70 | 29.74 | -16.26 | 46.00 | QP |
| 5 | | 378.186 | 9.49 | 20.59 | 30.08 | -15.92 | 46.00 | QP |
| 6 | | 750.108 | -10.40 | 28.42 | 18.02 | -27.98 | 46.00 | QP |

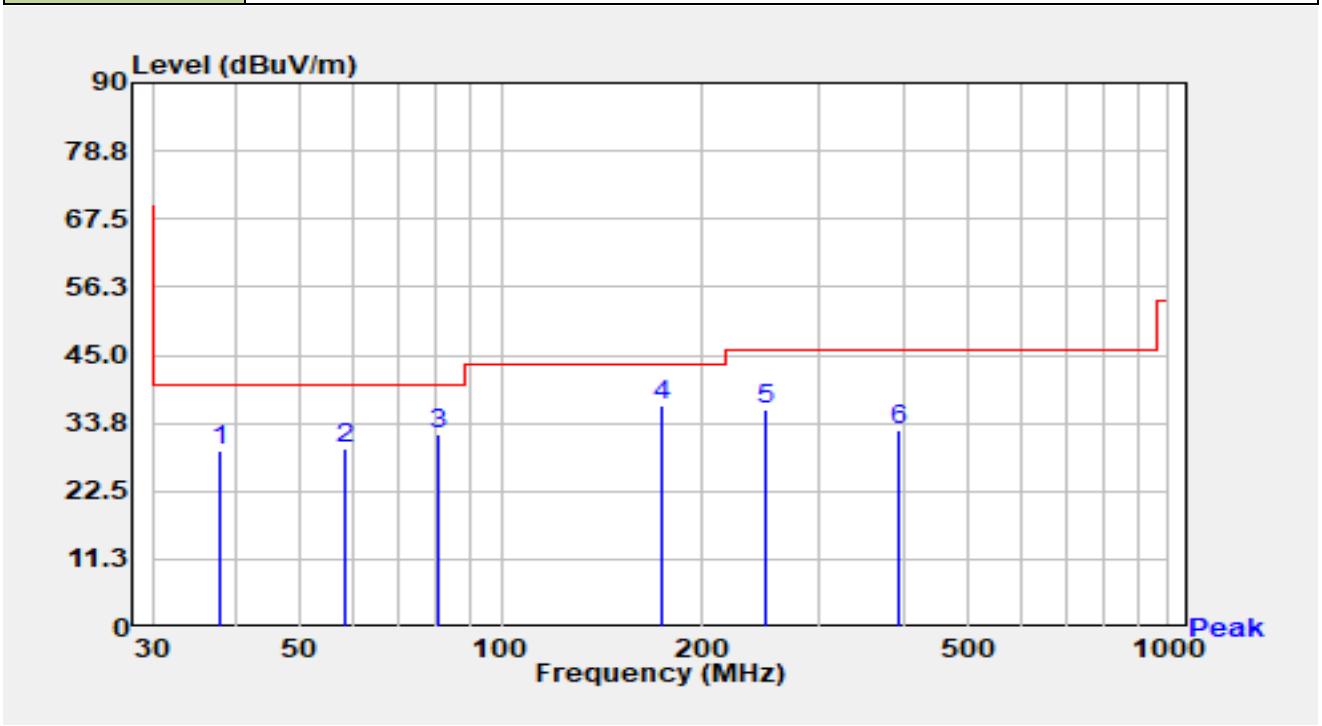
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-12-18 |
|---|---|---|---|
| Temperature | 19.3°C | Humidity | 35.2% |
| Limit | FCC_Part 15.209_RSE(3m)_QP | Test Engineer | Fusco Pan |
| Factor | VULB 9168_00997_25-2000MHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 5 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 37.998 | 11.45 | 17.80 | 29.25 | -10.75 | 40.00 | QP |
| 2 | | 58.551 | 11.31 | 18.22 | 29.53 | -10.47 | 40.00 | QP |
| 3 | | 80.277 | 17.63 | 14.14 | 31.77 | -8.23 | 40.00 | QP |
| 4 | * | 173.387 | 19.06 | 17.54 | 36.60 | -6.90 | 43.50 | QP |
| 5 | | 250.038 | 18.99 | 17.02 | 36.01 | -9.99 | 46.00 | QP |
| 6 | | 395.825 | 11.79 | 20.83 | 32.62 | -13.38 | 46.00 | QP |

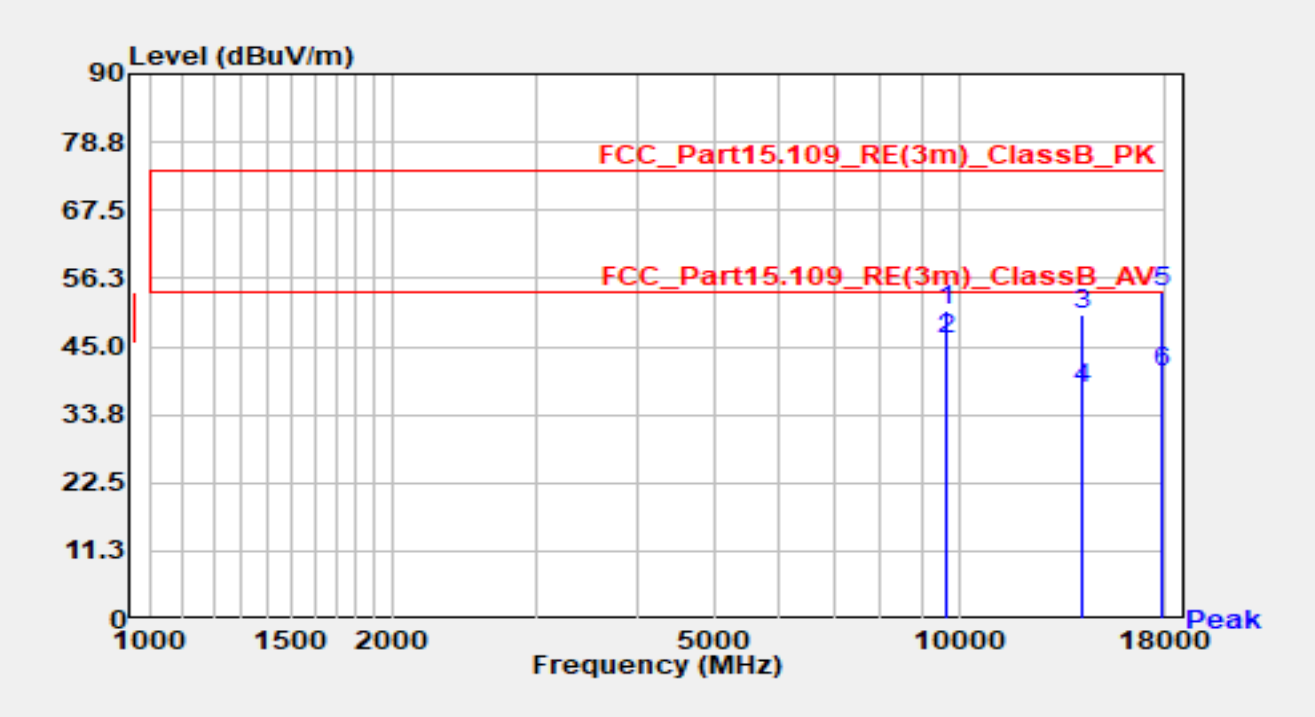
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-07 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 21.1°C/51.5% |
| Factor | HF907_102861_1-18GHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 5 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 9647.900 | 52.58 | -1.55 | 51.03 | -22.97 | 74.00 | Peak |
| 2 | * | 9647.900 | 47.64 | -1.55 | 46.09 | -7.91 | 54.00 | Average |
| 3 | | 14243.000 | 46.97 | 3.23 | 50.20 | -23.80 | 74.00 | Peak |
| 4 | | 14243.000 | 34.69 | 3.23 | 37.92 | -16.08 | 54.00 | Average |
| 5 | | 17841.900 | 44.66 | 9.21 | 53.86 | -20.14 | 74.00 | Peak |
| 6 | | 17841.900 | 31.57 | 9.21 | 40.78 | -13.22 | 54.00 | Average |

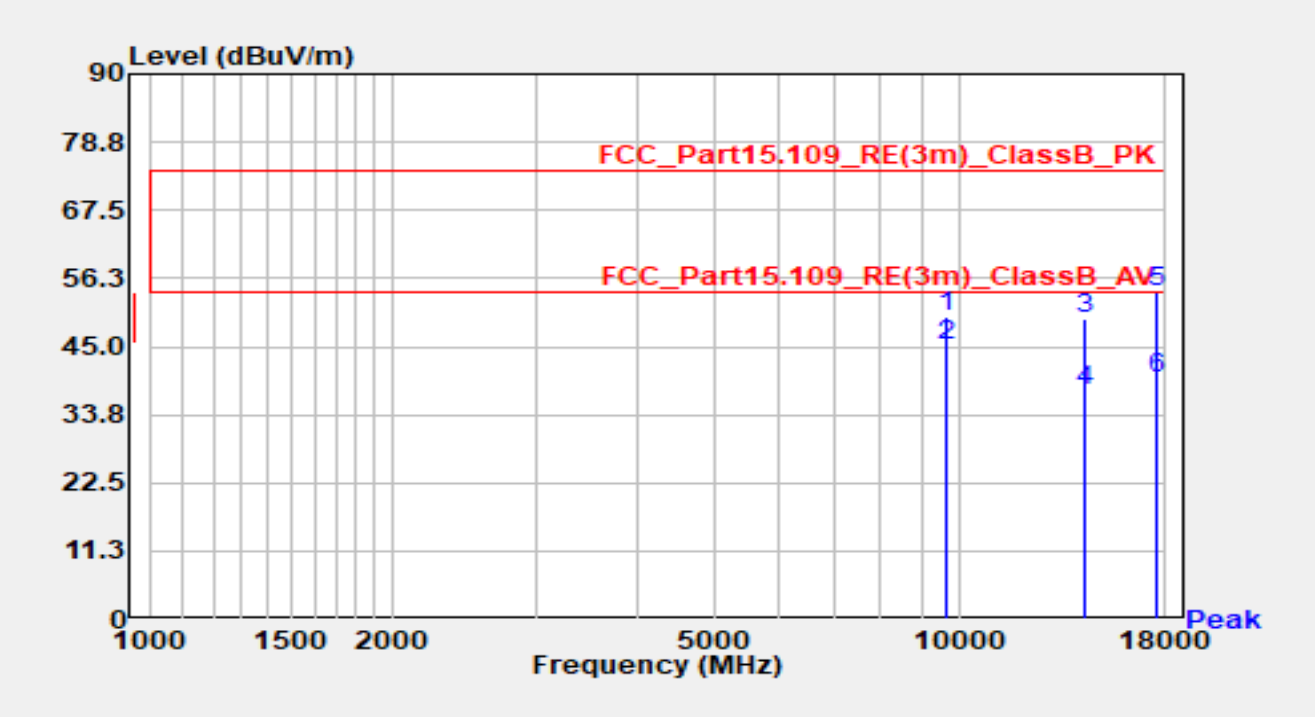
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBµV/m) = Reading(dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-07 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 21.1°C/51.5% |
| Factor | HF907_102861_1-18GHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 5 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 9647.900 | 51.49 | -1.55 | 49.94 | -24.06 | 74.00 | Peak |
| 2 | * | 9647.900 | 46.57 | -1.55 | 45.02 | -8.98 | 54.00 | Average |
| 3 | | 14314.400 | 46.74 | 2.86 | 49.60 | -24.40 | 74.00 | Peak |
| 4 | | 14314.400 | 34.71 | 2.86 | 37.57 | -16.43 | 54.00 | Average |
| 5 | | 17556.300 | 45.52 | 8.40 | 53.91 | -20.09 | 74.00 | Peak |
| 6 | | 17556.300 | 31.49 | 8.40 | 39.89 | -14.11 | 54.00 | Average |

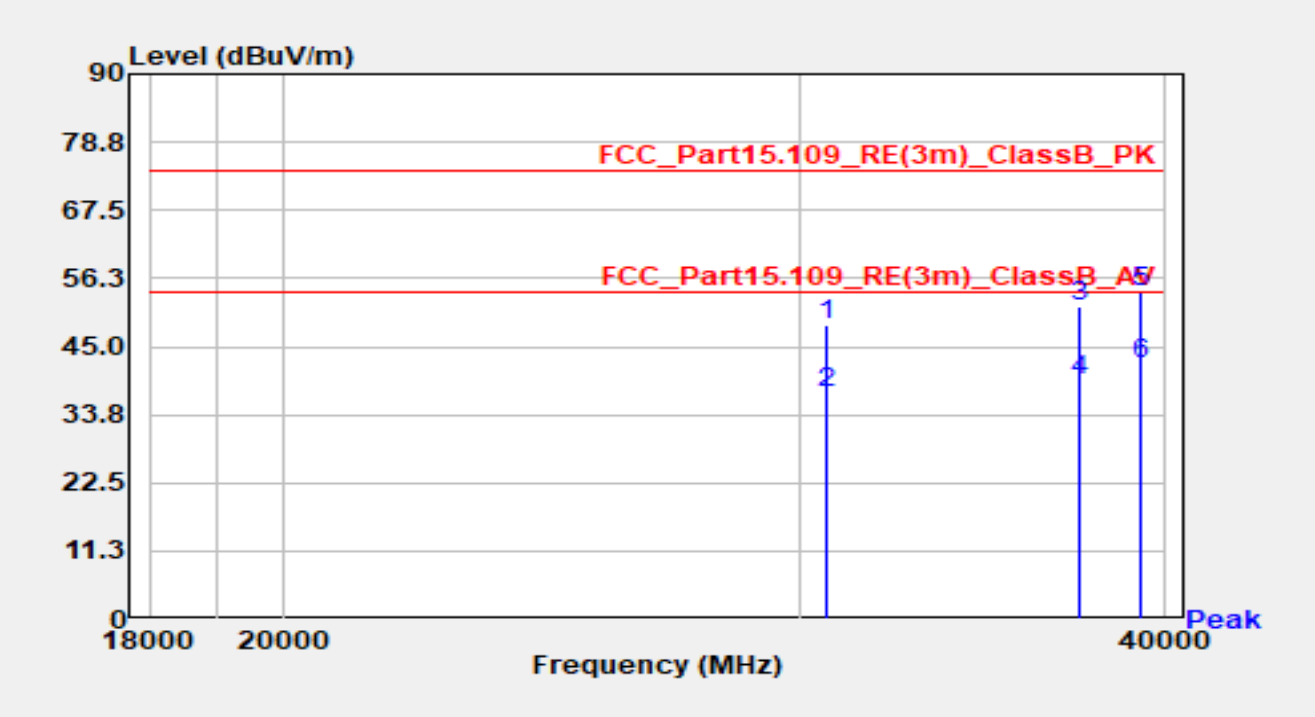
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-15 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 20.7°C/62.4% |
| Factor | BBHA 9170_00934_18-40GHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 5 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 30639.000 | 56.85 | -8.43 | 48.42 | -25.58 | 74.00 | Peak |
| 2 | | 30639.000 | 45.67 | -8.43 | 37.24 | -16.76 | 54.00 | Average |
| 3 | | 37382.000 | 55.07 | -3.36 | 51.72 | -22.28 | 74.00 | Peak |
| 4 | | 37382.000 | 42.76 | -3.36 | 39.40 | -14.60 | 54.00 | Average |
| 5 | | 39252.000 | 52.91 | 0.93 | 53.84 | -20.16 | 74.00 | Peak |
| 6 | * | 39252.000 | 41.28 | 0.93 | 42.21 | -11.79 | 54.00 | Average |

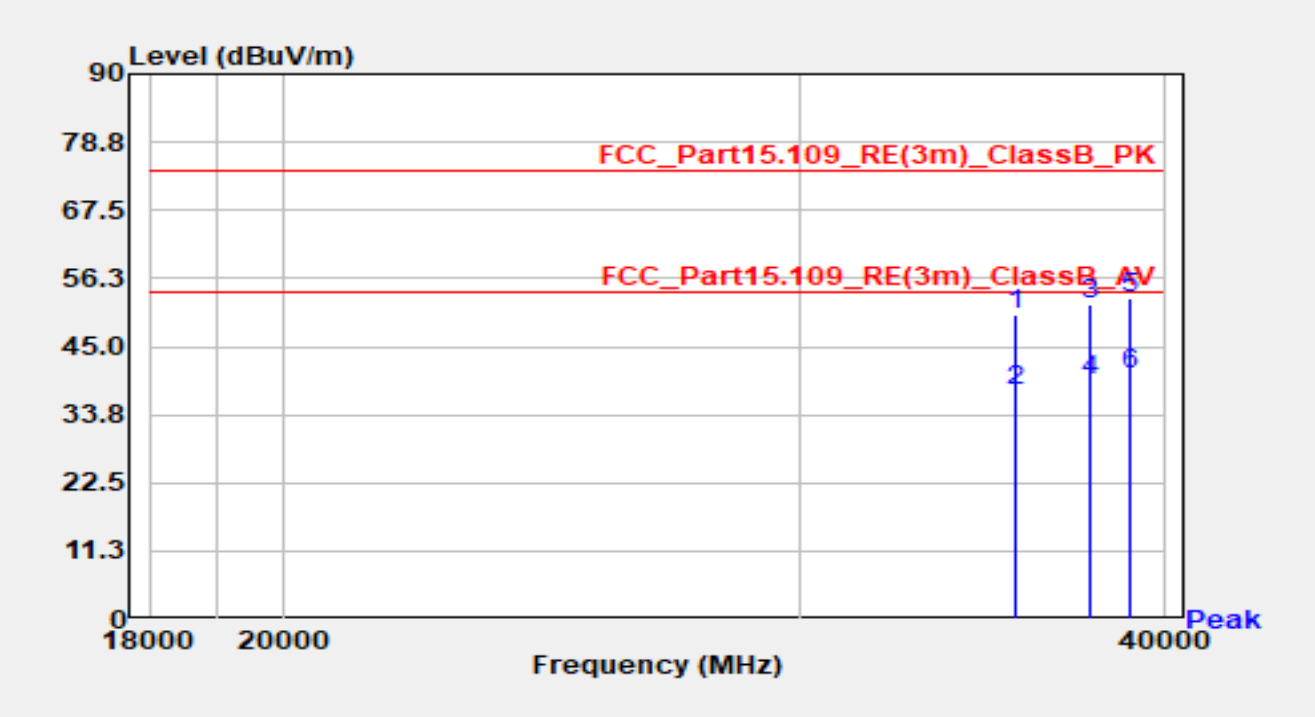
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-15 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 20.7°C/62.4% |
| Factor | BBHA 9170_00934_18-40GHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 5 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 35575.800 | 56.44 | -6.21 | 50.23 | -23.77 | 74.00 | Peak |
| 2 | | 35575.800 | 44.05 | -6.21 | 37.84 | -16.16 | 54.00 | Average |
| 3 | | 37727.400 | 55.06 | -3.02 | 52.04 | -21.96 | 74.00 | Peak |
| 4 | | 37727.400 | 42.39 | -3.02 | 39.37 | -14.63 | 54.00 | Average |
| 5 | | 38933.000 | 53.91 | -0.93 | 52.98 | -21.02 | 74.00 | Peak |
| 6 | * | 38933.000 | 41.46 | -0.93 | 40.53 | -13.47 | 54.00 | Average |

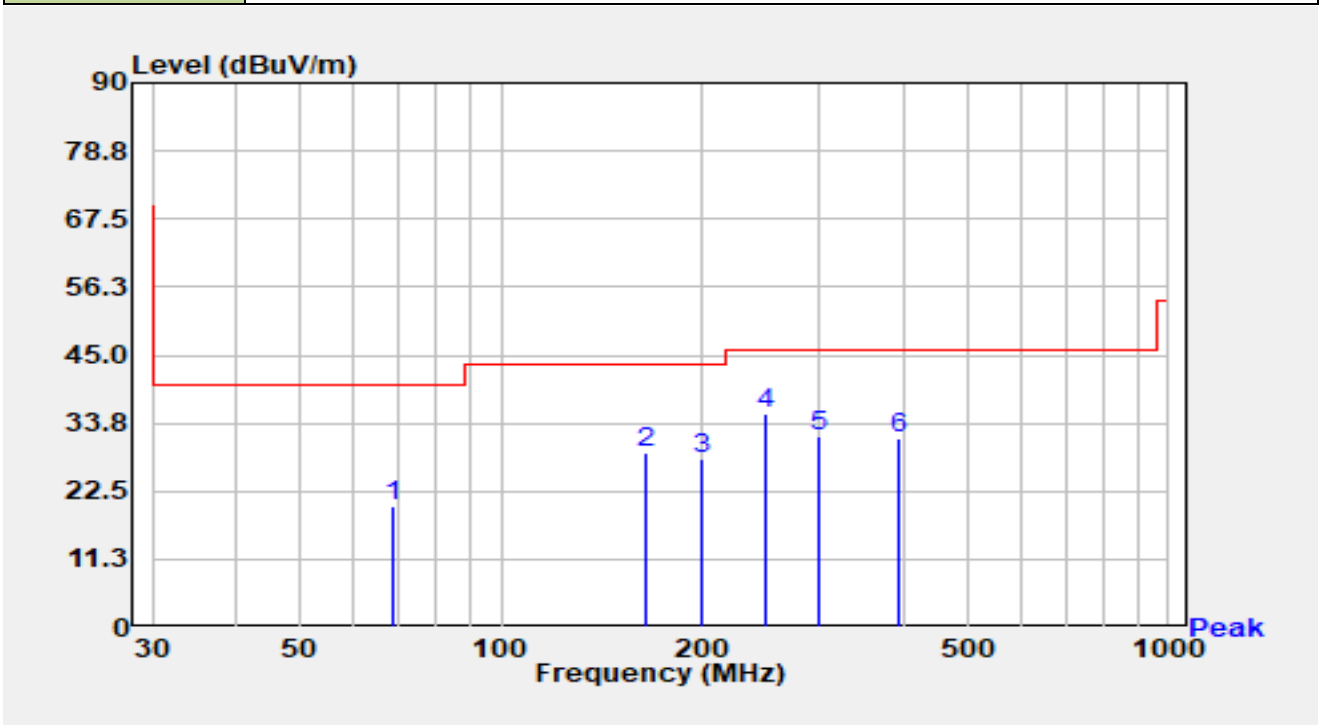
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-12-18 |
|---|---|---|---|
| Temperature | 19.3°C | Humidity | 35.2% |
| Limit | FCC_Part 15.209_RSE(3m)_QP | Test Engineer | Fusco Pan |
| Factor | VULB 9168_00997_25-2000MHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 6 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 68.896 | 3.50 | 16.54 | 20.04 | -19.96 | 40.00 | QP |
| 2 | | 164.446 | 10.80 | 18.13 | 28.93 | -14.57 | 43.50 | QP |
| 3 | | 199.986 | 12.80 | 15.11 | 27.91 | -15.59 | 43.50 | QP |
| 4 | * | 250.038 | 18.30 | 17.02 | 35.32 | -10.68 | 46.00 | QP |
| 5 | | 299.946 | 12.90 | 18.69 | 31.59 | -14.41 | 46.00 | QP |
| 6 | | 395.132 | 10.36 | 20.82 | 31.18 | -14.82 | 46.00 | QP |

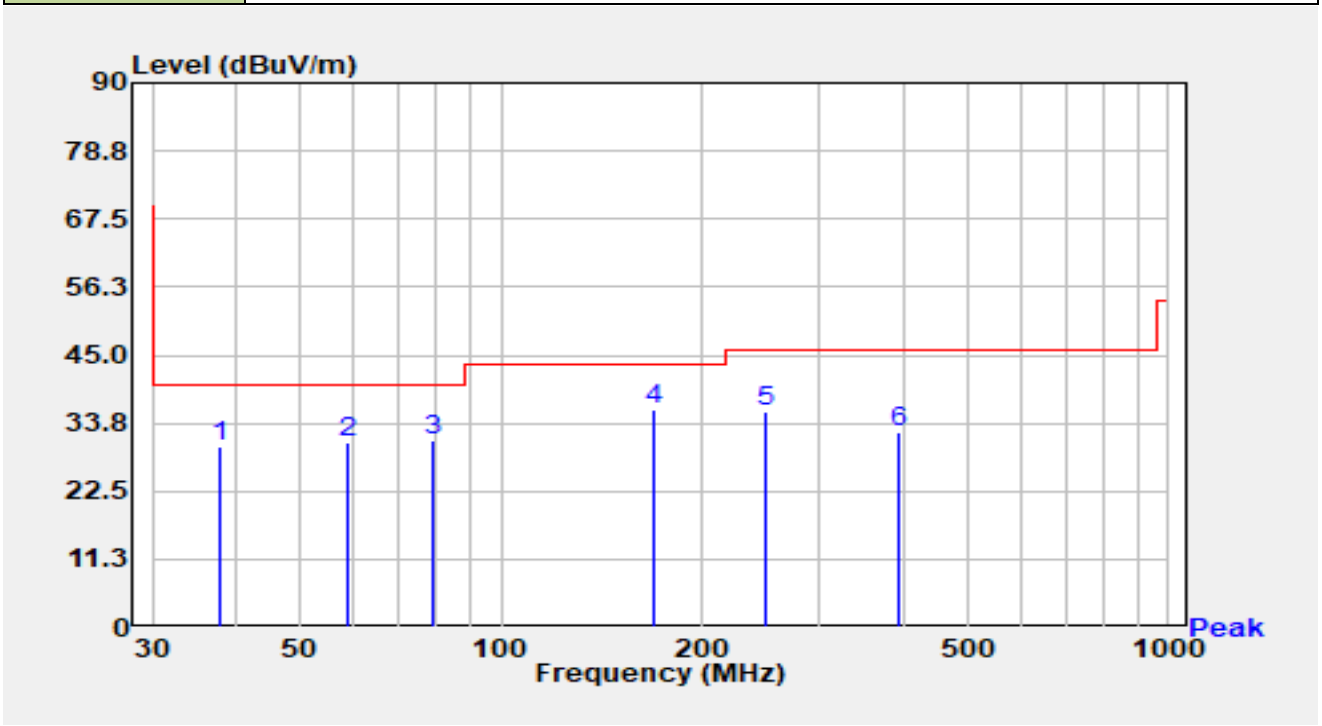
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-12-18 |
|---|---|---|---|
| Temperature | 19.3°C | Humidity | 35.2% |
| Limit | FCC_Part 15.209_RSE(3m)_QP | Test Engineer | Fusco Pan |
| Factor | VULB 9168_00997_25-2000MHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 6 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 37.733 | 12.10 | 17.77 | 29.87 | -10.13 | 40.00 | QP |
| 2 | | 58.963 | 12.30 | 18.17 | 30.47 | -9.53 | 40.00 | QP |
| 3 | | 79.048 | 16.30 | 14.44 | 30.74 | -9.26 | 40.00 | QP |
| 4 | * | 169.897 | 18.23 | 17.84 | 36.07 | -7.43 | 43.50 | QP |
| 5 | | 250.038 | 18.60 | 17.02 | 35.62 | -10.38 | 46.00 | QP |
| 6 | | 395.686 | 11.60 | 20.83 | 32.43 | -13.57 | 46.00 | QP |

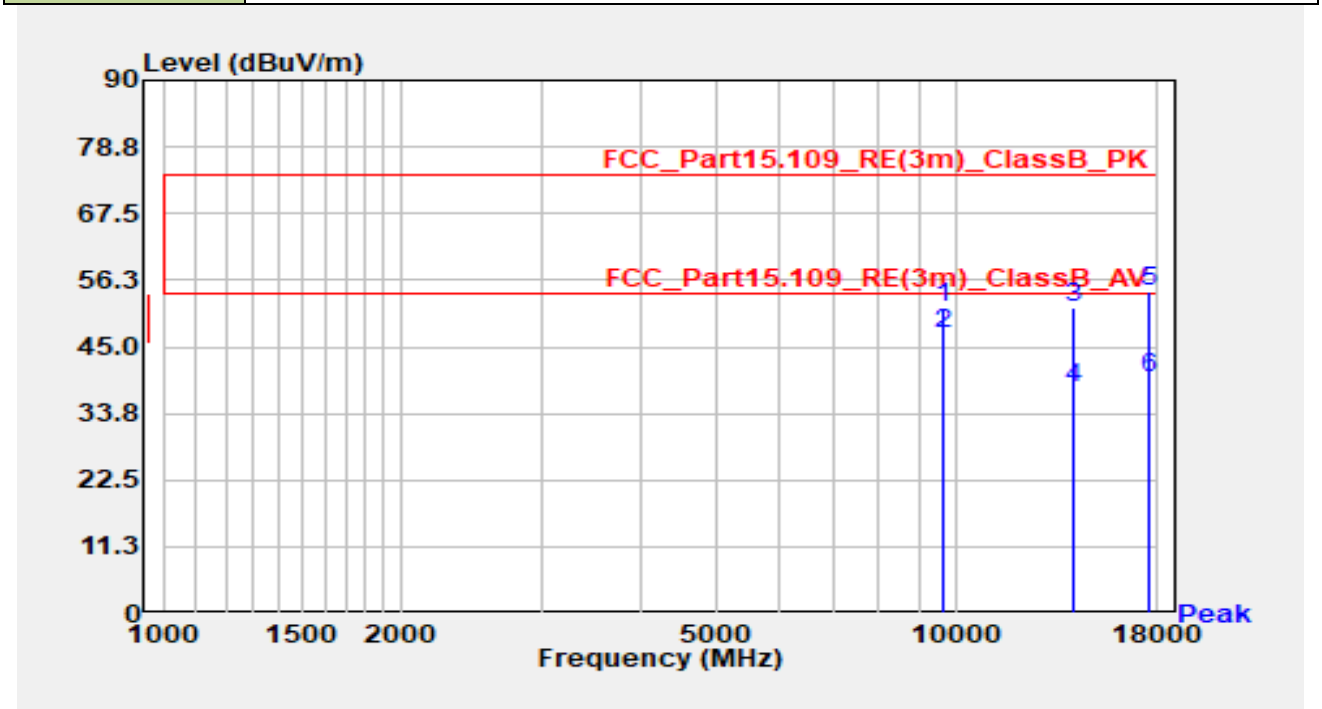
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-07 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 21.1°C/51.5% |
| Factor | HF907_102861_1-18GHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 6 | | |

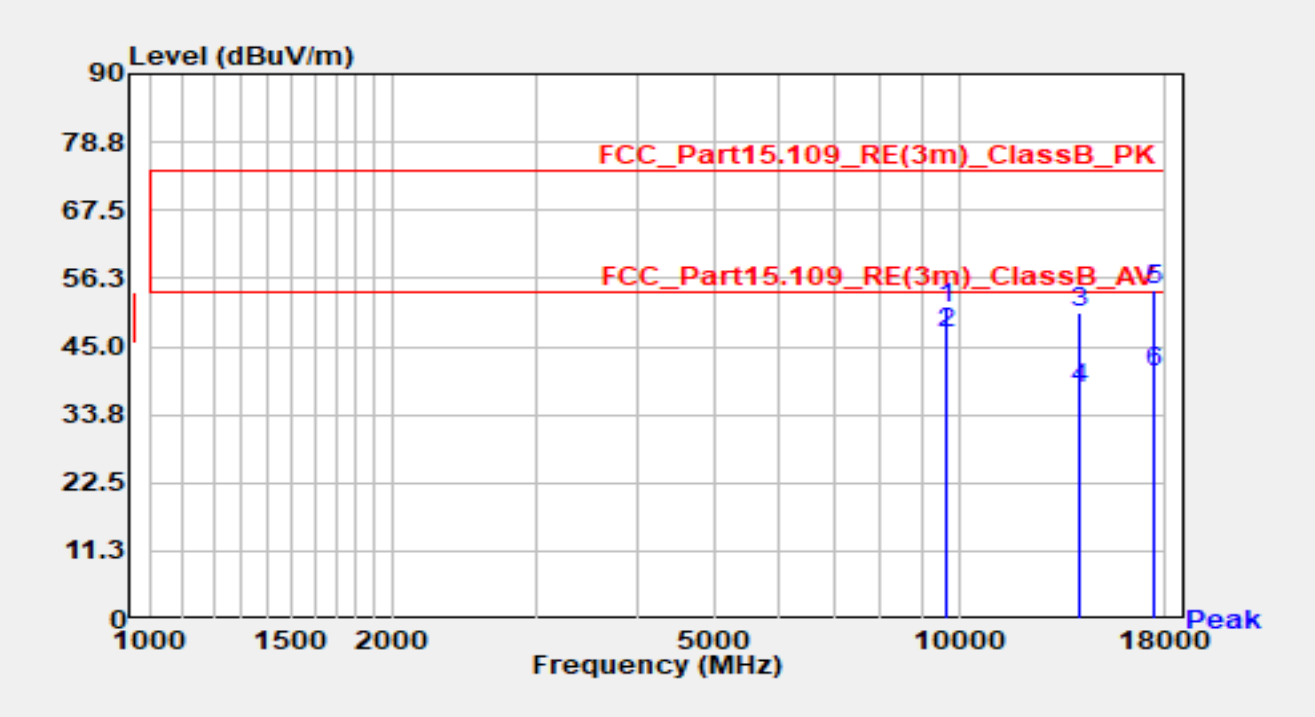



| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 9647.900 | 53.21 | -1.55 | 51.66 | -22.34 | 74.00 | Peak |
| 2 | * | 9647.900 | 48.88 | -1.55 | 47.33 | -6.67 | 54.00 | Average |
| 3 | | 14127.400 | 48.11 | 3.37 | 51.48 | -22.52 | 74.00 | Peak |
| 4 | | 14127.400 | 34.64 | 3.37 | 38.01 | -15.99 | 54.00 | Average |
| 5 | | 17585.200 | 46.19 | 8.15 | 54.34 | -19.66 | 74.00 | Peak |
| 6 | | 17585.200 | 31.59 | 8.15 | 39.74 | -14.26 | 54.00 | Average |

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBµV/m) = Reading(dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-07 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 21.1°C/51.5% |
| Factor | HF907_102861_1-18GHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 6 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 9647.900 | 52.72 | -1.55 | 51.17 | -22.83 | 74.00 | Peak |
| 2 | * | 9647.900 | 48.76 | -1.55 | 47.21 | -6.79 | 54.00 | Average |
| 3 | | 14124.000 | 47.07 | 3.37 | 50.45 | -23.55 | 74.00 | Peak |
| 4 | | 14124.000 | 34.76 | 3.37 | 38.13 | -15.87 | 54.00 | Average |
| 5 | | 17454.300 | 45.40 | 8.84 | 54.24 | -19.76 | 74.00 | Peak |
| 6 | | 17454.300 | 31.86 | 8.84 | 40.70 | -13.30 | 54.00 | Average |

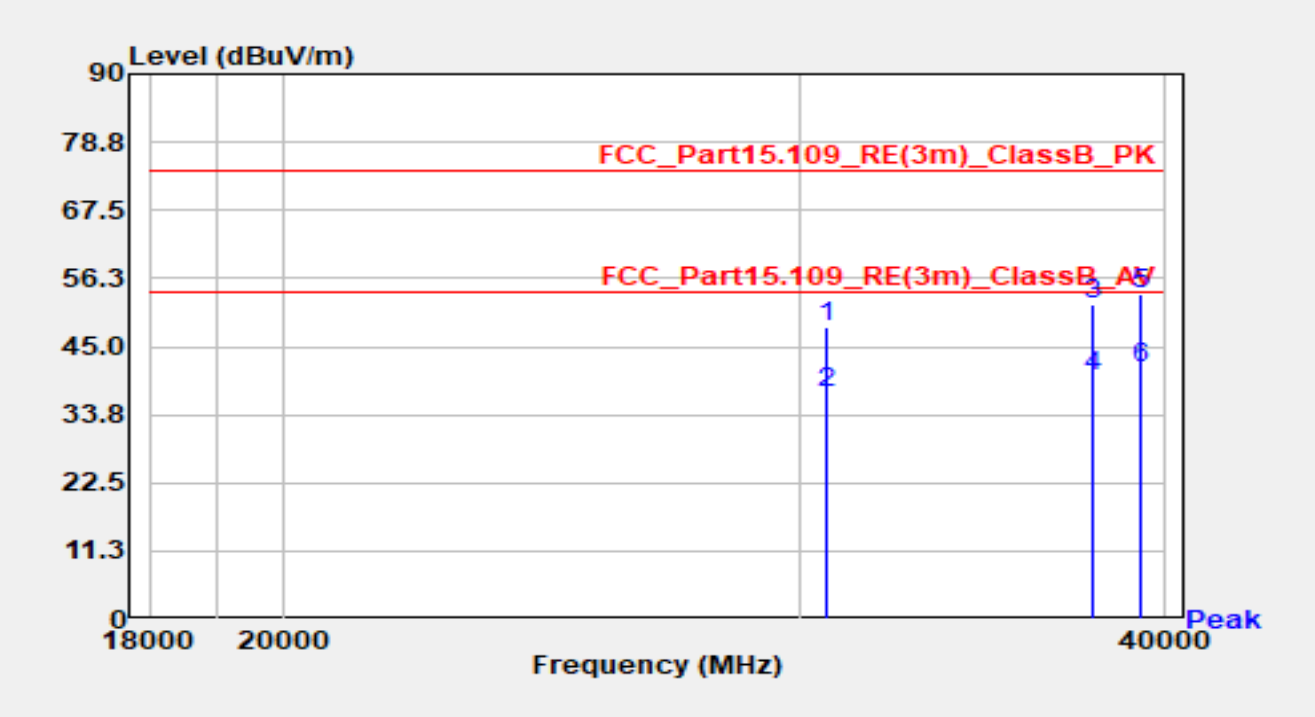
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-15 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 20.7°C/62.4% |
| Factor | BBHA 9170_00934_18-40GHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 6 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 30650.000 | 56.65 | -8.32 | 48.33 | -25.67 | 74.00 | Peak |
| 2 | | 30650.000 | 45.69 | -8.32 | 37.37 | -16.63 | 54.00 | Average |
| 3 | | 37749.400 | 54.67 | -2.78 | 51.89 | -22.11 | 74.00 | Peak |
| 4 | | 37749.400 | 42.71 | -2.78 | 39.93 | -14.07 | 54.00 | Average |
| 5 | | 39188.200 | 53.58 | 0.00 | 53.58 | -20.42 | 74.00 | Peak |
| 6 | * | 39188.200 | 41.31 | 0.00 | 41.31 | -12.69 | 54.00 | Average |

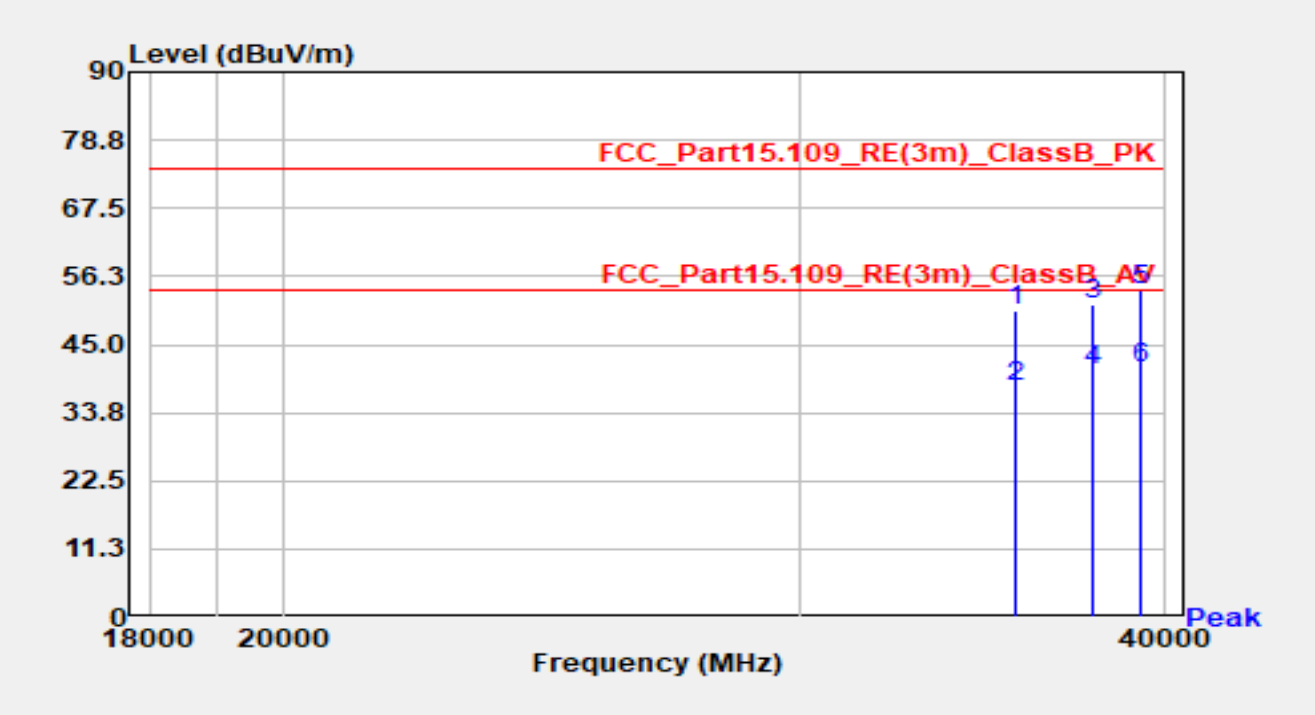
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBµV/m) = Reading(dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-15 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 20.7°C/62.4% |
| Factor | BBHA 9170_00934_18-40GHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 6 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 35562.600 | 56.87 | -6.43 | 50.44 | -23.56 | 74.00 | Peak |
| 2 | | 35562.600 | 44.58 | -6.43 | 38.15 | -15.85 | 54.00 | Average |
| 3 | | 37778.000 | 54.54 | -2.80 | 51.74 | -22.26 | 74.00 | Peak |
| 4 | | 37778.000 | 43.64 | -2.80 | 40.84 | -13.16 | 54.00 | Average |
| 5 | | 39254.200 | 53.03 | 0.82 | 53.86 | -20.14 | 74.00 | Peak |
| 6 | * | 39254.200 | 40.38 | 0.82 | 41.20 | -12.80 | 54.00 | Average |

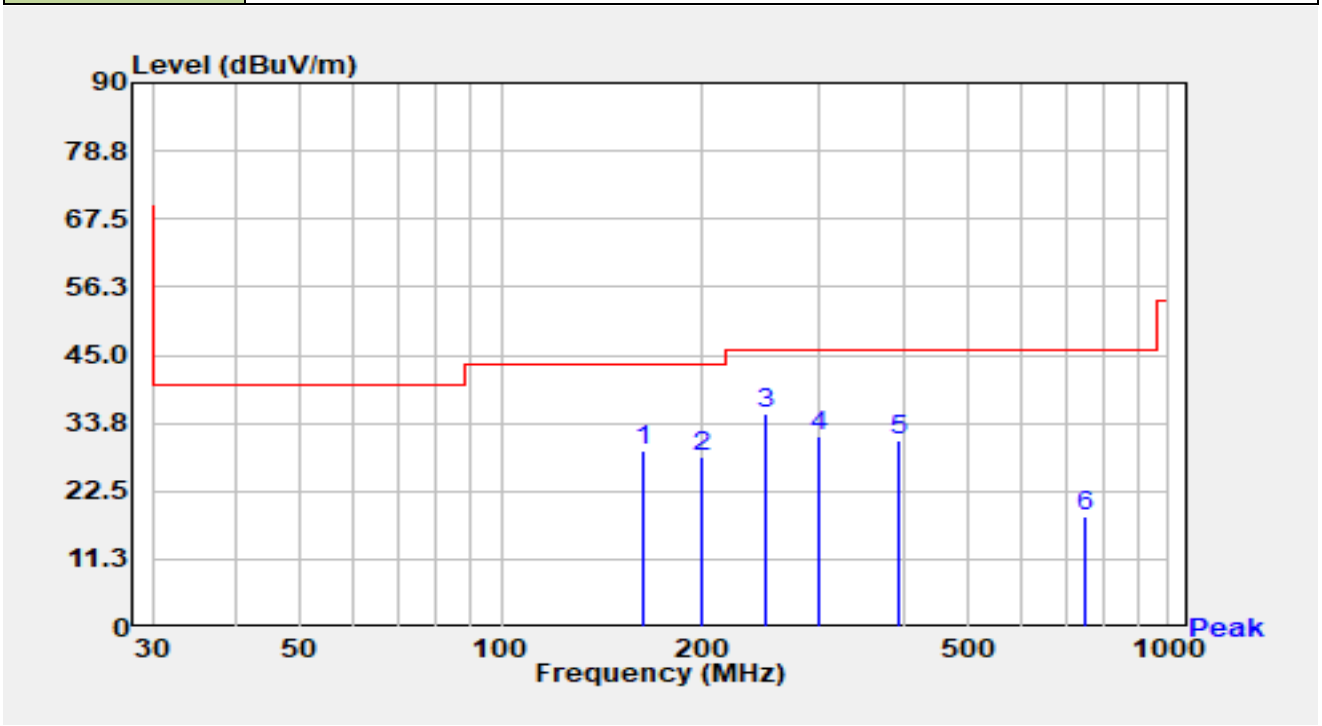
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-12-18 |
|---|---|---|---|
| Temperature | 19.3°C | Humidity | 35.2% |
| Limit | FCC_Part 15.209_RSE(3m)_QP | Test Engineer | Fusco Pan |
| Factor | VULB 9168_00997_25-2000MHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 7 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 163.468 | 11.04 | 18.17 | 29.21 | -14.29 | 43.50 | QP |
| 2 | | 199.986 | 12.96 | 15.11 | 28.07 | -15.43 | 43.50 | QP |
| 3 | * | 250.038 | 18.28 | 17.02 | 35.31 | -10.69 | 46.00 | QP |
| 4 | | 300.052 | 12.99 | 18.70 | 31.68 | -14.32 | 46.00 | QP |
| 5 | | 393.748 | 10.18 | 20.80 | 30.98 | -15.02 | 46.00 | QP |
| 6 | | 750.108 | -9.99 | 28.42 | 18.43 | -27.57 | 46.00 | QP |

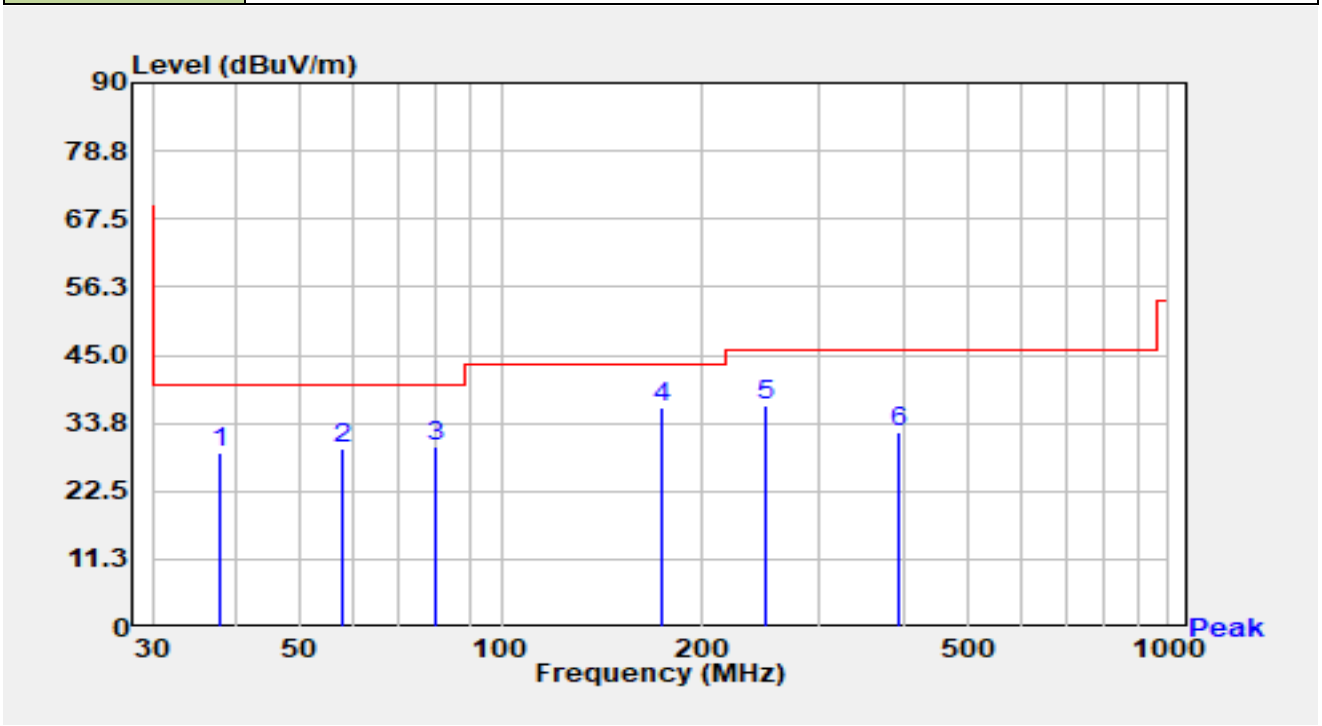
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-12-18 |
|---|---|---|---|
| Temperature | 19.3°C | Humidity | 35.2% |
| Limit | FCC_Part 15.209_RSE(3m)_QP | Test Engineer | Fusco Pan |
| Factor | VULB 9168_00997_25-2000MHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 7 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 37.932 | 11.10 | 17.79 | 28.89 | -11.11 | 40.00 | QP |
| 2 | | 58.020 | 11.30 | 18.28 | 29.58 | -10.42 | 40.00 | QP |
| 3 | | 79.800 | 15.80 | 14.25 | 30.05 | -9.95 | 40.00 | QP |
| 4 | * | 173.814 | 18.91 | 17.50 | 36.41 | -7.09 | 43.50 | QP |
| 5 | | 250.038 | 19.51 | 17.02 | 36.53 | -9.47 | 46.00 | QP |
| 6 | | 394.716 | 11.57 | 20.81 | 32.38 | -13.62 | 46.00 | QP |

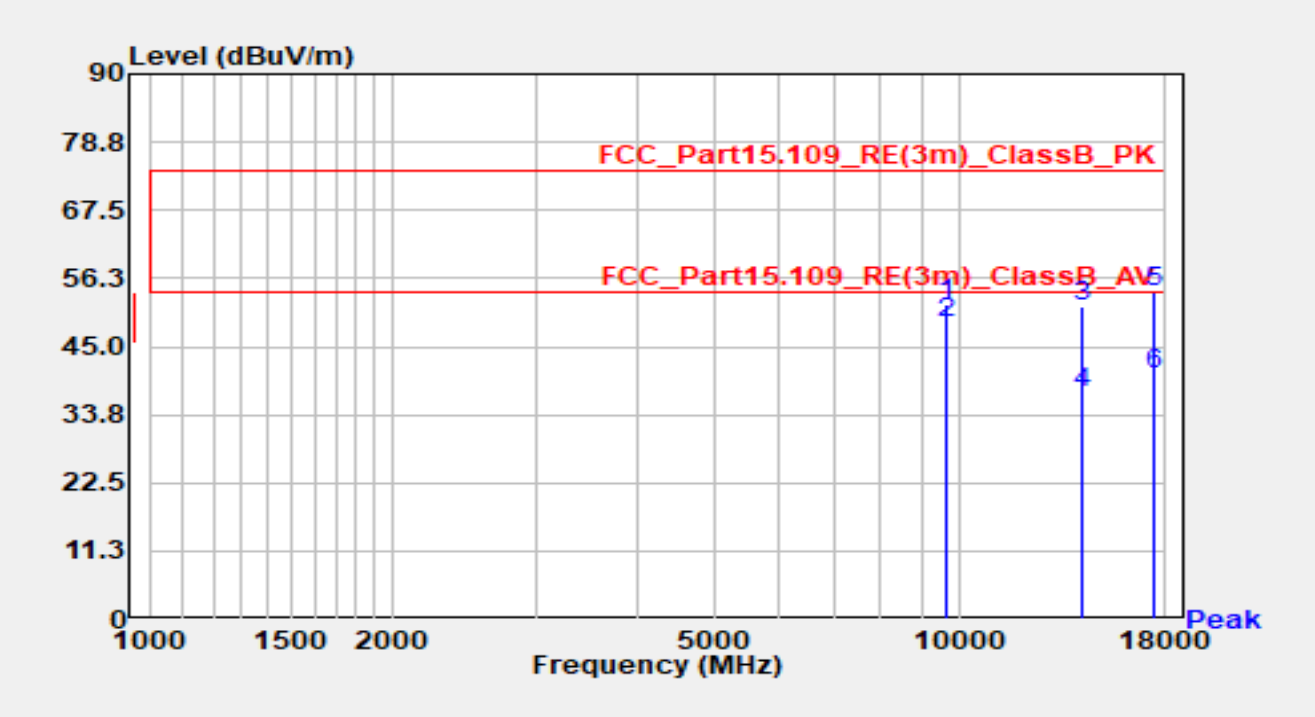
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-07 |
|---|---|---|---|
| Test Engineer | Barry Wu | Temp./Humidity | 21.1°C/51.5% |
| Factor | HF907_102861_1-18GHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 7 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 9647.900 | 53.61 | -1.55 | 52.05 | -21.95 | 74.00 | Peak |
| 2 | * | 9647.900 | 50.38 | -1.55 | 48.83 | -5.17 | 54.00 | Average |
| 3 | | 14236.200 | 48.49 | 3.20 | 51.69 | -22.31 | 74.00 | Peak |
| 4 | | 14236.200 | 34.10 | 3.20 | 37.30 | -16.70 | 54.00 | Average |
| 5 | | 17435.600 | 45.08 | 8.80 | 53.88 | -20.12 | 74.00 | Peak |
| 6 | | 17435.600 | 31.50 | 8.80 | 40.30 | -13.70 | 54.00 | Average |

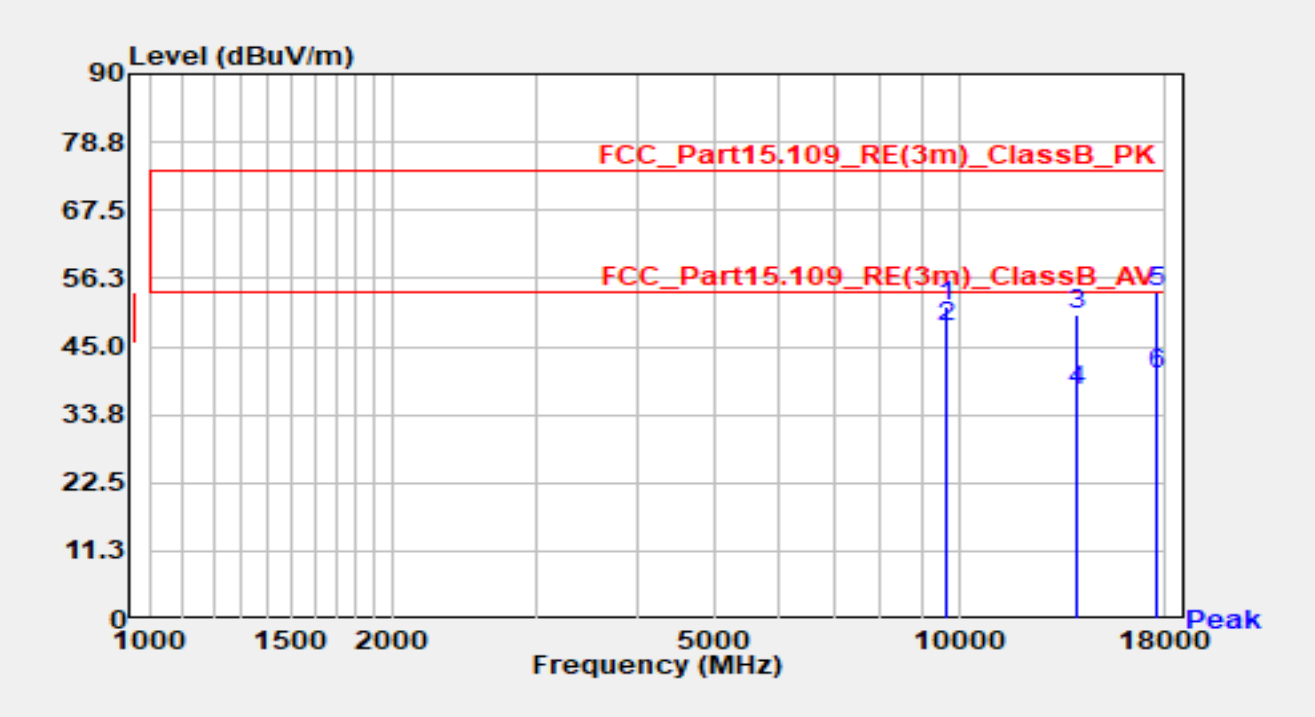
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBµV/m) = Reading(dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-07 |
|---|---|---|---|
| Test Engineer | Barry Wu | Temp./Humidity | 21.1°C/51.5% |
| Factor | HF907_102861_1-18GHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 7 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 9647.900 | 53.26 | -1.55 | 51.71 | -22.29 | 74.00 | Peak |
| 2 | * | 9647.900 | 49.70 | -1.55 | 48.15 | -5.85 | 54.00 | Average |
| 3 | | 14006.700 | 46.78 | 3.64 | 50.43 | -23.57 | 74.00 | Peak |
| 4 | | 14006.700 | 34.20 | 3.64 | 37.84 | -16.16 | 54.00 | Average |
| 5 | | 17541.000 | 45.12 | 9.01 | 54.13 | -19.87 | 74.00 | Peak |
| 6 | | 17541.000 | 31.30 | 9.01 | 40.31 | -13.69 | 54.00 | Average |

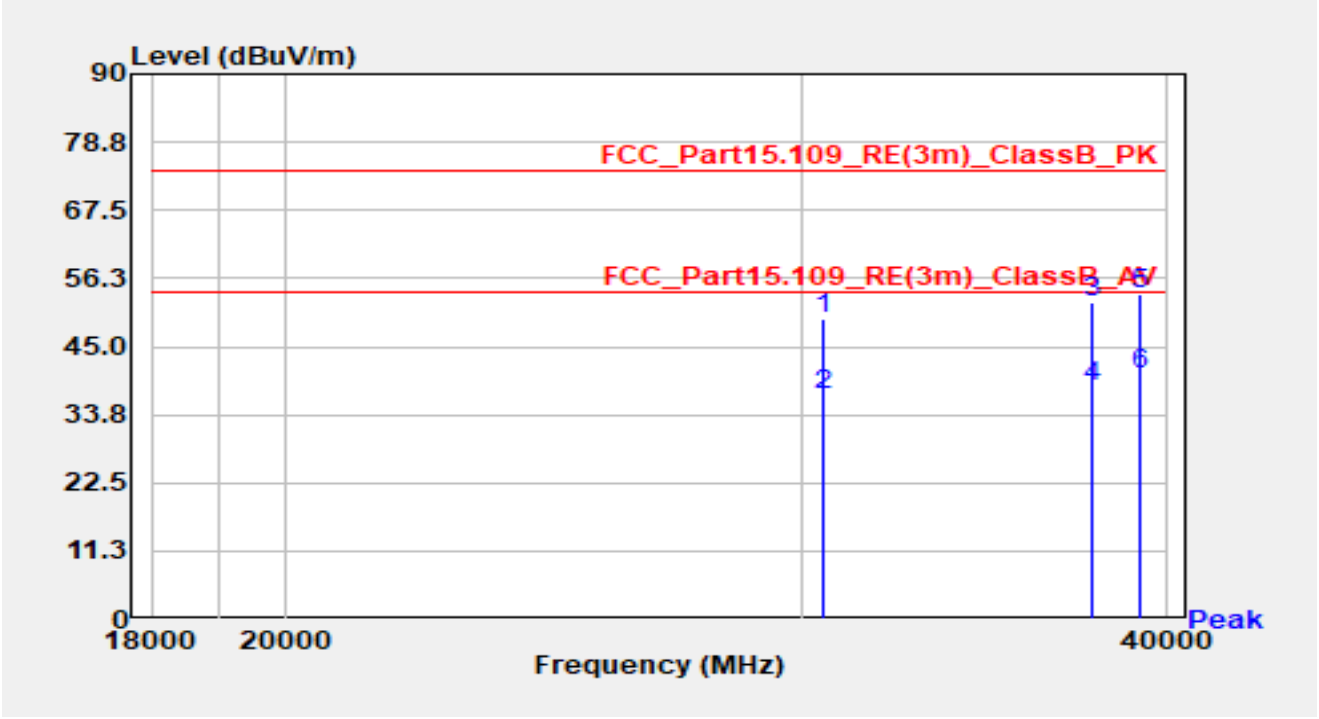
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-15 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 20.7°C/62.4% |
| Factor | BBHA 9170_00934_18-40GHz | Polarity | Horizontal |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 7 | | |




| No | Mark | Frequency (MHz) | Reading (dBµV) | C.F (dB/m) | Measurement (dBµV/m) | Margin (dB) | Limit (dBµV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 30511.400 | 58.05 | -8.36 | 49.69 | -24.31 | 74.00 | Peak |
| 2 | | 30511.400 | 45.33 | -8.36 | 36.97 | -17.03 | 54.00 | Average |
| 3 | | 37670.200 | 55.92 | -3.66 | 52.26 | -21.74 | 74.00 | Peak |
| 4 | | 37670.200 | 42.03 | -3.66 | 38.37 | -15.63 | 54.00 | Average |
| 5 | | 39142.000 | 54.68 | -1.09 | 53.59 | -20.41 | 74.00 | Peak |
| 6 | * | 39142.000 | 41.57 | -1.09 | 40.48 | -13.52 | 54.00 | Average |

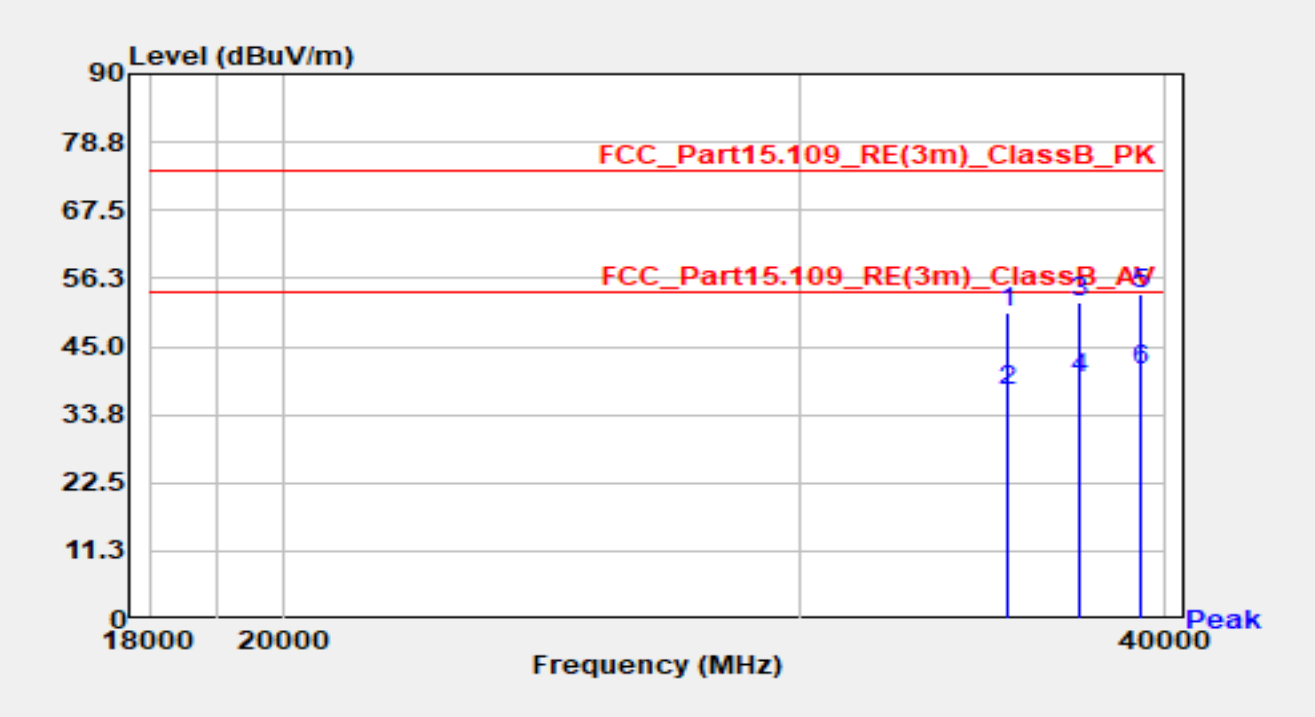
Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBµV/m) = Reading(dBµV) + C.F (dB/m).

| Site | SIP-AC3 | Test Date | 2024-11-15 |
|---|---|---|---|
| Test Engineer | Mero Zhou | Temp./Humidity | 20.7°C/62.4% |
| Factor | BBHA 9170_00934_18-40GHz | Polarity | Vertical |
| EUT | OmniAccess Stellar (OAW-AP1521) | Test Voltage | AC 120V/60Hz |
| Test Mode | Mode 7 | | |




| No | Mark | Frequency (MHz) | Reading (dBμV) | C.F (dB/m) | Measurement (dBμV/m) | Margin (dB) | Limit (dBμV/m) | Detector |
|---|---|---|---|---|---|---|---|---|
| 1 | | 35362.400 | 57.59 | -6.91 | 50.69 | -23.31 | 74.00 | Peak |
| 2 | | 35362.400 | 44.58 | -6.91 | 37.67 | -16.33 | 54.00 | Average |
| 3 | | 37362.200 | 56.08 | -3.69 | 52.38 | -21.62 | 74.00 | Peak |
| 4 | | 37362.200 | 43.38 | -3.69 | 39.69 | -14.31 | 54.00 | Average |
| 5 | | 39258.600 | 52.99 | 0.62 | 53.60 | -20.40 | 74.00 | Peak |
| 6 | * | 39258.600 | 40.47 | 0.62 | 41.09 | -12.91 | 54.00 | Average |

Notes:

1. " * ", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

## Appendix A - Test Setup Photograph

Refer to “2408RSU020-UT” file.

## Appendix B - EUT Photograph

Refer to “2408RSU020-UE” file.

The End