

FCC/ISED Test Report

| Product Name | Mesa Pro |
|-----------------|--------------------------|
| Model No. | ST1 |
| Contains FCC ID | VSF29579, N7NEM74B |
| Contains IC | 7980A-29579, 2417C-EM74B |

| Applicant | Juniper Systems, Inc. | |
|---------------|---|--|
| Address (FCC) | 1132 W 1700 N, Logan, Utah, 84321 United States | |
| Address (IC) | 1132 W 1700 N, Logan UT 84321, United States | |

| Date of Receipt | Jun. 29, 2022 |
|-----------------|-----------------------|
| Issued Date | Sep. 23, 2022 |
| Report No. | 2260935R-RFUSOTHV14-A |
| Report Version | V1.0 |



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Report No.: 2260935R-RFUSOTHV14-A



Test Report

Issued Date: Sep. 23, 2022

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| Product Name | Mesa Pro |
|---------------------|---|
| Applicant | Juniper Systems, Inc. |
| Address (FCC) | 1132 W 1700 N, Logan, Utah, 84321 United States |
| Address (IC) | 1132 W 1700 N, Logan UT 84321, United States |
| Manufacturer | Juniper Systems INC |
| Model No. | ST1 |
| Contains FCC ID | VSF29579, N7NEM74B |
| Contains IC | 7980A-29579, 2417C-EM74B |
| EUT Rated Voltage | AC 100-240V, 50-60Hz |
| EUT Test Voltage | AC 120V/60Hz |
| Trade Name | Juniper Systems |
| Applicable Standard | Simultaneous Transmit (co-location) |
| Test Result | Complied |

| Documented By | : | Joanne Lin | | |
|---------------|---|--|--|--|
| | | (Senior Project Specialist / Joanne Lin) | | |
| Tested By | : | Ivan Chuang | | |
| | | (Senior Engineer / Ivan Chuang) | | |
| Approved By | : | San Chen | | |
| | | (Senior Engineer / Alan Chen) | | |



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Appendix 1: EUT Test Photographs

Appendix 2: Product Photos-Please refer to the file: 2260935R-Product Photos



Revision History

| Report No. | Version | Description | Issued Date |
|-----------------------|---------|--------------------------|--------------------|
| 2260935R-RFUSOTHV14-A | V1.0 | Initial issue of report. | Sep. 23, 2022 |



1. GENERAL INFORMATION

1.1. EUT Description

| Product Name | Mesa Pro | |
|-----------------|-----------------------------------|--|
| Trade Name | Juniper Systems | |
| Model No. | ST1 | |
| Contains FCC ID | VSF29579, N7NEM74B | |
| Contains IC | 7980A-29579, 2417C-EM74B | |
| Antenna Type | Monopole | |
| Antenna Gain | Refer to the table "Antenna List" | |
| Power Adapter | MFR: CWT, M/N: 2AEC060KC | |
| | Input: AC 100-240V~50-60Hz, 1.7A | |
| | Output: 19.0V=3.16A, 60.0W | |
| | Power Cord: Non-shielded, 1.8m | |

Note: The RF specifications of EUT refer to Intel 9260NGW and Sierra EM7411, follow above FCC ID and IC.



Antenna List

| No. | Manufacturer | Part No. | Antenna Type | Peak Gain |
|-----|-----------------|-------------------------|--------------|--|
| 1 | Juniper Systems | 29552 (WLAN Main) | PIFA | 3.1dBi for 2.4 GHz |
| | | | | 3.0dBi for 5150-5250MHz |
| | | | | 3.4dBi for 5250-5350MHz |
| | | | | 1.5dBi for 5470-5725MHz |
| | | | | 1.1dBi for 5725-5850MHz |
| | | 29554 (WLAN Aux) | PIFA | 2.8dBi for 2.4 GHz |
| | | | | 2.4dBi for 5150-5250MHz |
| | | | | 2.7dBi for 5250-5350MHz |
| | | | | 1.1dBi for 5470-5725MHz |
| | | | | 0.0dBi for 5725-5850MHz |
| 2 | Juniper Systems | 29552 | Monopole | 3.3dBi for WCDMA Band 2 |
| | | (Cellular main TX) | | 2.0dBi for WCDMA Band 4 |
| | | | | 0.3dBi for WCDMA Band 5 |
| | | | | 3.3dBi for LTE Band 2 |
| | | | | 2.0dBi for LTE Band 4 |
| | | | | 0.3dBi for LTE Band 5 |
| | | | | 0.5dBi for LTE Band 7 |
| | | | | 2.3dBi for LTE Band 12 |
| | | | | 1.9dBi for LTE Band 13 |
| | | | | 1.6dBi for LTE Band 14 |
| | | | | 3.1dBi for LTE Band 25 |
| | | | | 1.1dBi for LTE Band 26 |
| | | | | 1.0dBi for LTE Band 41 |
| | | | | 3.6dBi for LTE Band 42 |
| | | | | 3.9dBi for LTE Band 43 |
| | | | | 1.9dBi for LTE Band 48 |
| | | | | 2.0dBi for LTE Band 66 2.5dBi for LTE Band 71 |
| | | 29554 | Monopole | 3.3dBi for WCDMA Band 2 |
| | | (Cellular diversity RX) | Monopole | 3.8dBi for WCDMA Band 4 |
| | | (Celiulal diversity KA) | | 0.7dBi for WCDMA Band 5 |
| | | | | 3.3dBi for LTE Band 2 |
| | | | | 3.8dBi for LTE Band 4 |
| | | | | 0.7dBi for LTE Band 5 |
| | | | | 3.6dBi for LTE Band 7 |
| | | | | 1.4dBi for LTE Band 12 |
| | | | | 1.5dBi for LTE Band 13 |
| | | | | 2.1dBi for LTE Band 14 |
| | | | | 3.3dBi for LTE Band 25 |
| | | | | 0.7dBi for LTE Band 26 |
| | | | | 3.8dBi for LTE Band 41 |
| | | | | 4.3dBi for LTE Band 42 |
| | | | | 3.9dBi for LTE Band 43 |
| | | | | 3.3dBi for LTE Band 48 |
| | | | | 4.4dBi for LTE Band 66 |
| | | | | 1.6dBi for LTE Band 71 |

Note: The WLAN antenna of EUT is conform to FCC 15.203.



1.2. Test Summary

Simultaneous Transmit (co-location) Requirement

| Requirement – Test Item | Result |
|-------------------------|--------|
| Radiated Emissions | Pass |

Note:

- 1. The EUT is a Mesa Pro, which contains functions on WWAN and 2.4GHz/5GHz band WIFI with Bluetooth card module transceiver.
- 2. These tests were conducted on a sample for the purpose of demonstrating compliance of transmitter with simultaneous transmit (co-location).
- There consider simultaneous transmit (co-location) based on KDB 996369 D02 Question 1 and KDB 996369 D04 for Radiated Emission.
- 4. The antenna gain and output power are both comply with the original certification, the final product complies with the ERP/EIRP rules.
- 5. The final test results meets all the applicable FCC/ISED rules.

| Test Mode | Mode 1: LTE B13-10M-CH23230 (1RB#0) + BLE-2440MHz |
|-------------------------|---|
| (Simultaneous Transmit) | Mode 2: LTE B14-10M-CH23330 (1RB#0) + BLE-2440MHz |
| | Mode 3: WCDMA B2-CH9538 + BLE-2440MHz |
| | Mode 4: WCDMA B5-CH4233 + BLE-2440MHz |
| | Mode 5: LTE B13-10M-CH23230 (1RB#0) + 11n20-2442MHz |
| | Mode 6: LTE B14-10M-CH23330 (1RB#0) + 11n20-2442MHz |
| | Mode 7: WCDMA B2-CH9538 + 11n20-2442MHz |
| | Mode 8: WCDMA B5-CH4233 + 11n20-2442MHz |



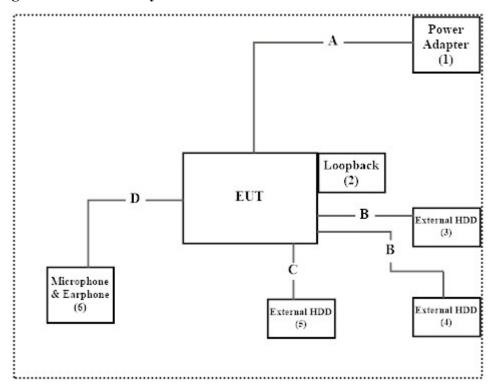
1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

| Proc | duct | Manufacturer | Model No. | Serial No. | Power Cord |
|------|-----------------------|--------------|-------------|-------------|--------------------|
| 1 | Power Adapter | CWT | 2AEC060KC | N/A | Non-shielded, 1.8m |
| 2 | Loopback | N/A | N/A | N/A | N/A |
| 3 | External HDD | Transcend | TS1TSJ25H3B | F21786-0125 | N/A |
| 4 | External HDD | Transcend | TS1TSJ25H3B | F21786-0103 | N/A |
| 5 | External HDD | Transcend | TS1TSJ25MC | F30467-0011 | N/A |
| 6 | Microphone & Earphone | Verbatim | C09024VB | N/A | N/A |

| Sign | nal Cable Type | Signal cable Description | | | |
|------|-----------------------|--------------------------|--|--|--|
| A | Power Cable | Non-shielded, 1.8m | | | |
| В | USB Cable | Shielded, 0.5m | | | |
| C | USB Cable | Shielded, 0.5m | | | |
| D | Microphone & Earphone | Non-shielded, 1.2m | | | |

1.4. Configuration of Tested System





1.5. EUT Exercise Software

- (1) Setup the EUT as shown on 1.5.
- (2) Execute software "DRTU Version 22.21050.0.0-OEM.DRTUU.12004" on the EUT.
- (3) The Communication Analyzer (MT8820C) uses in controlling EUT to transmit continuously.
- (4) Configure the test mode, the test channel, and the data rate.
- (5) Start the continuous transmission.
- (6) Verify that the EUT works properly.



1.6. Test Facility

Ambient conditions in the laboratory:

| Performed Item | Items | Required | Actual |
|-------------------|------------------|----------|--------|
| | Temperature (°C) | 10~40 °C | 21.9 ℃ |
| Radiated Emission | Humidity (%RH) | 10~90 % | 67 % |

USA : FCC Registration Number: TW0033

Canada: CAB Identifier Number: TW3023 / Company Number: 26930

Site Description : Accredited by TAF

Accredited Number: 3023

Test Laboratory : DEKRA Testing and Certification Co., Ltd

Address : No. 5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan Performed Location : No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan,

R.O.C.

Phone number : +886-3-275-7255

Fax number : +886-3-327-8031

Email address : info.tw@dekra.com

Website : http://www.dekra.com.tw

intp.//www.dekra.com.tv



1.7. List of Test Item and Equipment

For Radiated measurements / HY-CB01

| Equipment | Manufacturer | Model No. | Serial No. | Cal. Date | Due. Date |
|------------------------|---------------|-----------------------|--------------|------------|------------|
| Loop Antenna | AMETEK | HLA6121 | 49611 | 2022/03/18 | 2023/03/17 |
| Bi-Log Antenna | SCHWARZBECK | VULB9168 | 9168-0675 | 2021/08/11 | 2023/08/10 |
| Horn Antenna | ETS-Lindgren | 3117 | 00201259 | 2021/11/09 | 2023/11/08 |
| Horn Antenna | Com-Power | AH-840 | 101101 | 2021/11/30 | 2023/11/29 |
| Pre-Amplifier | SGH | 0301 | 20211007-7 | 2022/02/22 | 2023/02/21 |
| Pre-Amplifier | EMCI | EMC051835SE | 980312 | 2022/02/22 | 2023/02/21 |
| Pre-Amplifier | EMCI | EMC184045SE | 980369 | | |
| Coaxial Cable | EMCI | EMC102-KM-K M-600 | 1160314 | 2022/05/12 | 2023/05/11 |
| Coaxial Cable | EMCI | EMC102-KM-K M-7000 | 170242 | | |
| Filter | MICRO TRONICS | BRM50702 | G251 | 2021/09/16 | 2022/09/15 |
| rinei | WICKO TRONICS | DKW130702 | G231 | 2022/07/27 | 2023/07/26 |
| EMI Test Receiver | R&S | ESR3 | 102792 | 2021/12/15 | 2022/12/14 |
| Spectrum Analyzer | R&S | FSV3044 | 101115 | 2022/01/10 | 2023/01/09 |
| Radio Communication | Anritsu | MT8820C | 6201465467 | 2021/08/13 | 2022/08/12 |
| Tester | Aintisu | W118820C | 0201403407 | 2022/08/10 | 2023/08/09 |
| Coaxial Cable | SUHNER | SUCOFLEX 106 | 25450/6 | | |
| Coaxial Cable | SGH | HA800 | GD20110222-8 | 2022/03/22 | 2023/03/21 |
| Coaxial Cable | SGH | SGH18 | 2021003-8 | | |
| Coaxial Cable | EMCI | EMC106 | 151113 | | |

Note: Test Software version: AUDIX e3 V9.



1.8. Uncertainty

Uncertainties have been calculated according to the DEKRA internal document.

The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

| Test item | Uncertainty | | | |
|-------------------|-------------|------------|--|--|
| Radiated Emission | Under 1GHz | Above 1GHz | | |
| Radiated Emission | ±4.06 dB | ±3.73 dB | | |

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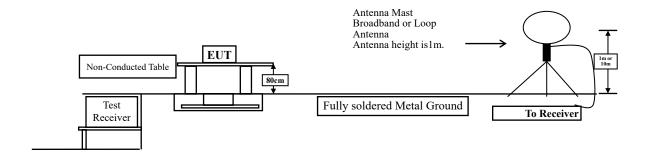


2. Radiated Emission

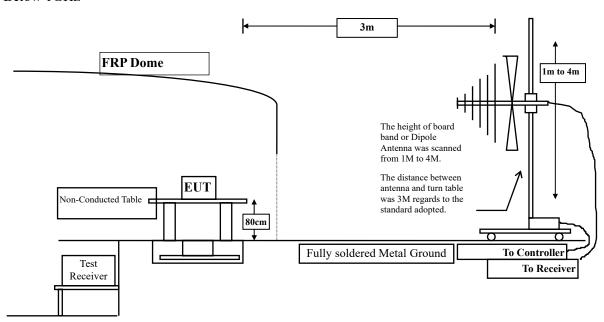
2.1. Test Setup

Under 30MHz

★ 3m

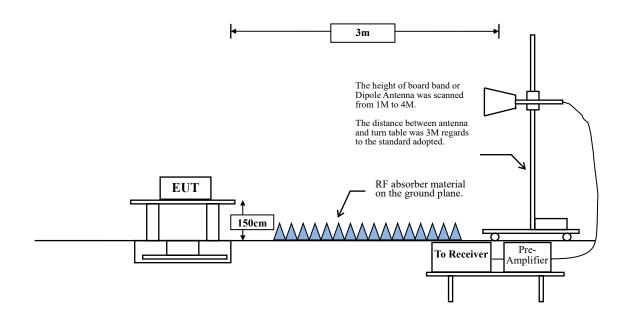


Below 1GHz





Above 1GHz





2.2. Limits

➤ General Radiated Emission Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

| FCC Part 15 Subpart C Paragraph 15.209 Limits | | | | | | | | |
|---|--------------------|----------------------|--|--|--|--|--|--|
| Frequency MHz | Field strength | Measurement distance | | | | | | |
| TVITIZ | (microvolts/meter) | (meter) | | | | | | |
| 0.009-0.490 | 2400/F(kHz) | 300 | | | | | | |
| 0.490-1.705 | 24000/F(kHz) | 30 | | | | | | |
| 1.705-30 | 30 | 30 | | | | | | |
| 30-88 | 100 | 3 | | | | | | |
| 88-216 | 150 | 3 | | | | | | |
| 216-960 | 200 | 3 | | | | | | |
| Above 960 | 500 | 3 | | | | | | |

Remarks:

- 1. RF Voltage $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.



2.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Measuring the frequency range below 1GHz, the EUT is placed on a turn table which is 0.8 meter above ground, when measuring the frequency range above 1GHz, the EUT is placed on a turn table which is 1.5 meter above ground.

The turn table is rotated 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10: 2013 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

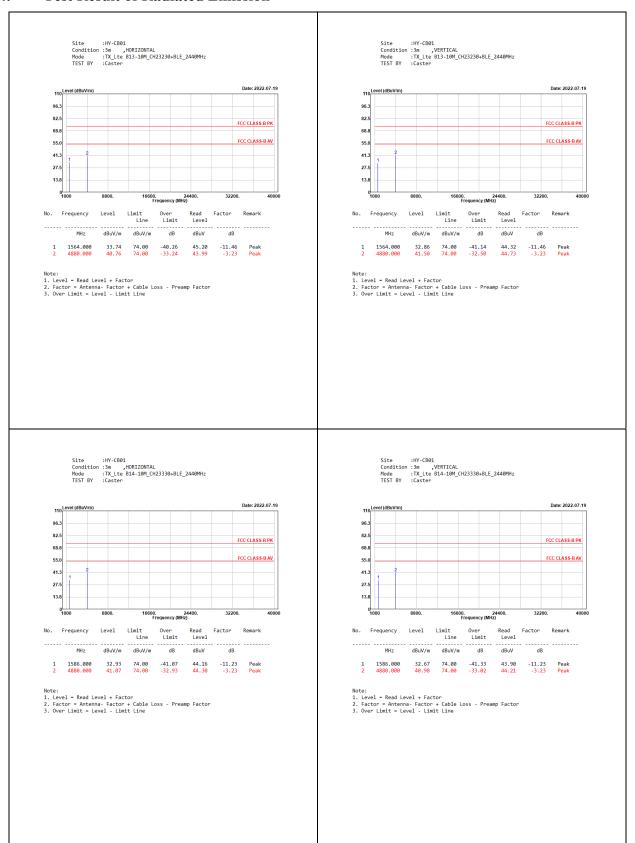
The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The worst radiated emission is measured in the Open Area Test Site on the Final Measurement.

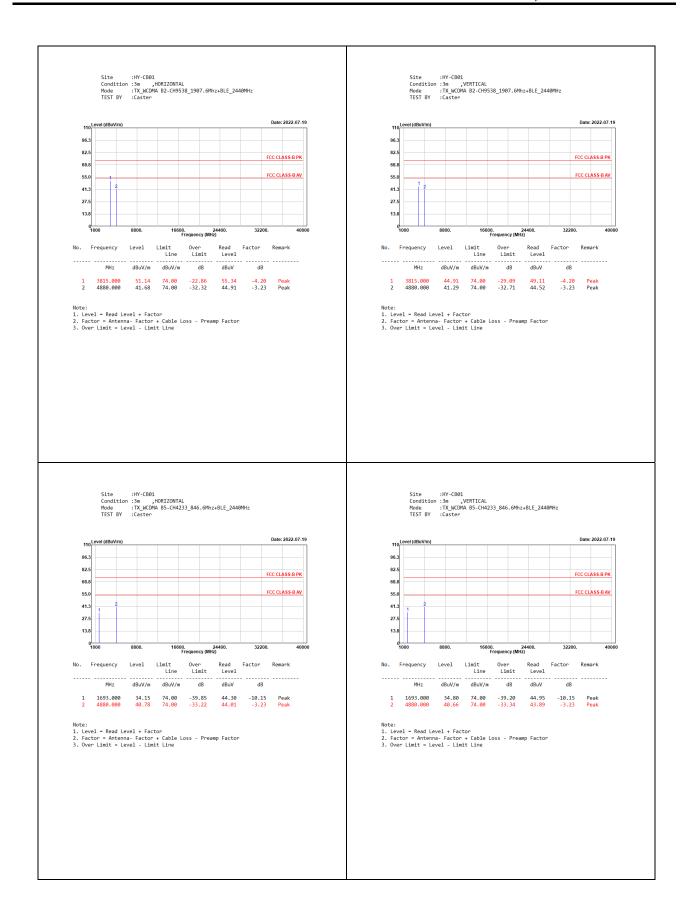
The measurement frequency range form 9kHz - 10th Harmonic of fundamental was investigated.



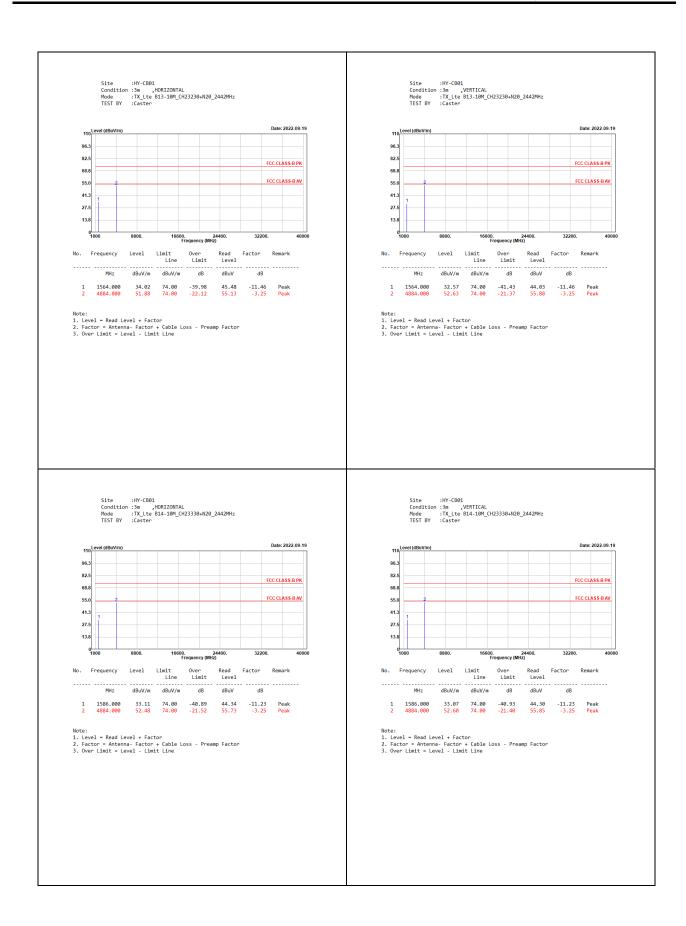
2.4. Test Result of Radiated Emission



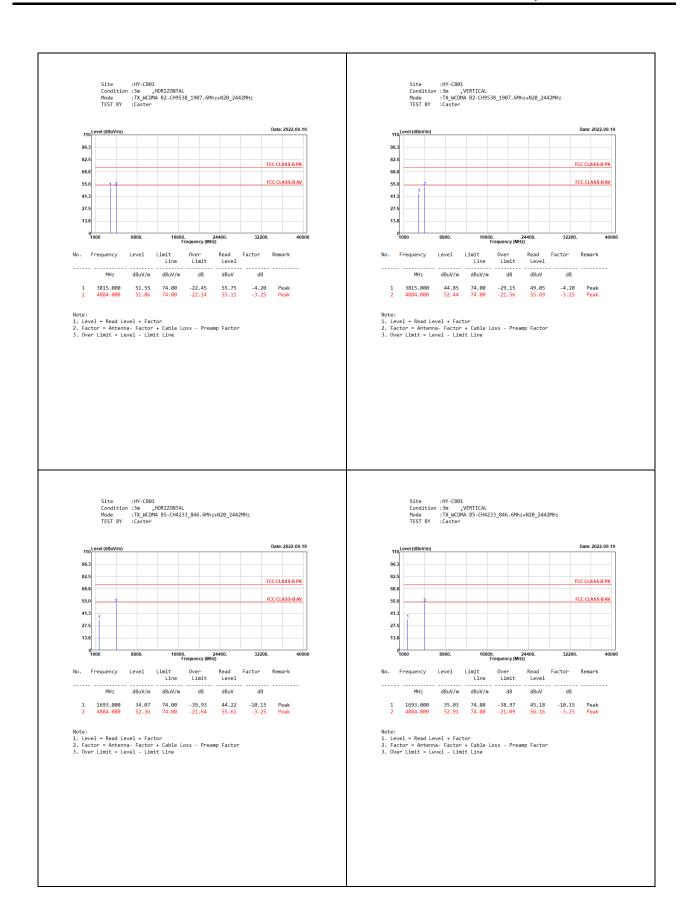










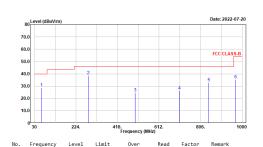








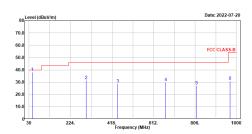
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_MCOMA B2-CH9538_1907.6Mhz+BLE_2440MHz
TEST BY :Caster



| | | | Line | Limit | Level | | |
|---|---------|--------|--------|--------|-------|--------|----|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | |
| 1 | 62.010 | 28.59 | 40.00 | -11.41 | 53.71 | -25.12 | QP |
| 2 | 281.230 | 38.62 | 46.00 | -7.38 | 62.62 | -24.00 | QP |
| 3 | 499.480 | 24.68 | 46.00 | -21.32 | 42.96 | -18.28 | QP |
| 4 | 706.090 | 26.29 | 46.00 | -19.71 | 40.96 | -14.67 | QP |
| 5 | 843.830 | 33.04 | 46.00 | -12.96 | 45.98 | -12.94 | QP |
| 6 | 968.960 | 35.47 | 54.00 | -18.53 | 46.89 | -11.42 | QP |

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The emission under 30MPL was not included since the emission levels are very low against the limit.

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_MCDMA_B2-CH9538_1907.6Mhz+BLE_2440MHz
TEST_BY :Caster



| No. | Frequency | Level | Limit Line | Over Limit | Read Level | Factor | Remark |
|-----|-----------|--------|---------------|---------------|---------------|--------|--------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | |
| 1 | 44.550 | 38.09 | 40.00 | -1.91 | 61.90 | -23.81 | QP |
| 2 | 296.750 | 31.36 | 46.00 | -14.64 | 54.97 | -23.61 | QP |
| 3 | 445.160 | 28.53 | 46.00 | -17.47 | 48.09 | -19.56 | QP |
| 4 | 668.260 | 29.98 | 46.00 | -16.02 | 45.26 | -15.28 | QP |
| 5 | 812.790 | 27.22 | 46.00 | -18.78 | 40.54 | -13.32 | QP |
| 6 | 968,960 | 30.83 | 54.00 | -23.17 | 42.25 | -11.42 | ÕΡ |

- Note:

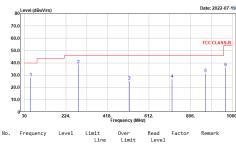
 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_MCCMA B5-CH4233_846.6Mhz+BLE_2440MHz
TEST BY :Caster



| | | | Line | Limit | Level | | |
|---|---------|--------|--------|--------|-------|--------|----|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | |
| 1 | 60.070 | 28.14 | 40.00 | -11.86 | 52.75 | -24.61 | QP |
| 2 | 281.230 | 38.74 | 46.00 | -7.26 | 62.74 | -24.00 | QP |
| 3 | 519.850 | 25.38 | 46.00 | -20.62 | 43.44 | -18.06 | QP |
| 4 | 718.700 | 27.02 | 46.00 | -18.98 | 41.60 | -14.58 | QP |
| 5 | 875.840 | 31.32 | 46.00 | -14.68 | 44.05 | -12.73 | QP |
| 6 | 968,960 | 36.29 | 54.00 | -17.71 | 47.71 | -11.42 | OP |

- Note:

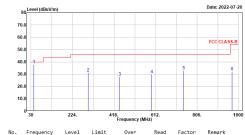
 1. Level = Read Level + Factor

 2. Factor Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit Level Limit Line

 4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_MCXMA B5-CH4233_846.6Mhz+BLE_2440MHz
TEST BY :Caster



| No. | Frequency | reve1 | Limit Line | Limit | Kead Level | Factor | Kemark |
|-----|-----------|--------|---------------|--------|---------------|--------|--------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | |
| 1 | 43.580 | 37.81 | 40.00 | -2.19 | 61.70 | -23.89 | QP |
| 2 | 296.750 | 31.24 | 46.00 | -14.76 | 54.85 | -23.61 | QP |
| 3 | 445.160 | 27.76 | 46.00 | -18.24 | 47.32 | -19.56 | QP |
| 4 | 594.540 | 29.92 | 46.00 | -16.08 | 46.05 | -16.13 | QP |
| 5 | 742.950 | 33.04 | 46.00 | -12.96 | 46.94 | -13.90 | QP |
| 6 | 968.960 | 32.12 | 54.00 | -21.88 | 43.54 | -11.42 | QP |

- Note:

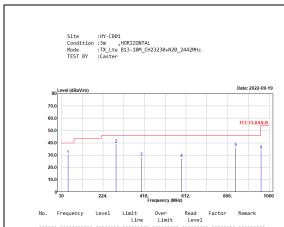
 1. Level = Read Level + Factor

 2. Factor Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The emission under 30MHz was not included since the emission levels are very low against the limit.





dB dBuV/m dBuV/m dBuV 30.11 38.90 28.46 27.55 36.15 34.08 -9.89 -7.10 -17.54 -18.45 -9.85 -19.92 -24.62 -23.90 -20.83 -16.34 -12.94 -11.51

- Note:

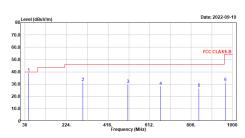
 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_tte B13-10M_CH23230+N20_2442MHz
TEST BY :Caster



| No. | Frequency | Level | Limit Line | Over Limit | Read Level | Factor | Remark |
|-----|-----------|--------|---------------|---------------|---------------|--------|--------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | |
| 1 | 46.711 | 39.22 | 40.00 | -0.78 | 62.96 | -23.74 | QP |
| 2 | 300.450 | 31.54 | 46.00 | -14.46 | 55.05 | -23.51 | QP |
| 3 | 511.468 | 29.91 | 46.00 | -16.09 | 48.11 | -18.20 | QP |
| 4 | 662.733 | 28.30 | 46.00 | -17.70 | 43.61 | -15.31 | QP |
| 5 | 842.188 | 26.45 | 46.00 | -19.55 | 39.40 | -12.95 | QP |
| 6 | 964.840 | 31.53 | 54.00 | -22.47 | 43.03 | -11.50 | Q̈́Ρ |

- Note:

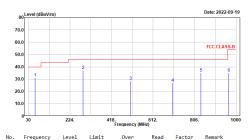
 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit t Level Limit Line

 4. The emission under 30MHz was not included since the emission levels are very low against the limit.

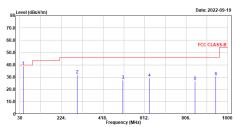
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_Lte B14-16M_CH23330+N20_2442MHz
TEST BY :Caster



| | | | Line | Limit | Level | | |
|---|---------|--------|--------|--------|-------|--------|----|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | |
| 1 | 61.188 | 31.22 | 40.00 | -8.78 | 56.10 | -24.88 | QP |
| 2 | 284.533 | 37.20 | 46.00 | -8.80 | 61.12 | -23.92 | QP |
| 3 | 507.688 | 28.44 | 46.00 | -17.56 | 46.75 | -18.31 | QP |
| 4 | 704.180 | 26.86 | 46.00 | -19.14 | 41.53 | -14.67 | QP |
| 5 | 835.625 | 35.11 | 46.00 | -10.89 | 48.15 | -13.04 | QP |
| 6 | 965.448 | 34.94 | 54.00 | -19.06 | 46.43 | -11.49 | OP |

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_Lte B14-10M_CH23330+N20_2442MHz
TEST BY :Caster



| No. | Fred | quency | Level | Limit Line | Over Limit | Read Level | Factor | Remark |
|-----|------|---------|--------|---------------|---------------|---------------|--------|--------|
| | | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | |
| | ı | 45.852 | 38.89 | 40.00 | -1.11 | 62.69 | -23.80 | QP |
| - 1 | 2 2 | 297.180 | 31.85 | 46.00 | -14.15 | 55.45 | -23.60 | QP |
| - 1 | 3 5 | 10.830 | 27.36 | 46.00 | -18.64 | 45.56 | -18.20 | QP |
| | 1 6 | 33.455 | 29.35 | 46.00 | -16.65 | 45.00 | -15.65 | QP |
| | 5 8 | 347.789 | 26.70 | 46.00 | -19.30 | 39.62 | -12.92 | QP |
| | | 2// 582 | 30 /2 | 46 00 | -15 58 | /12 18 | -11 76 | OP. |

- Note:

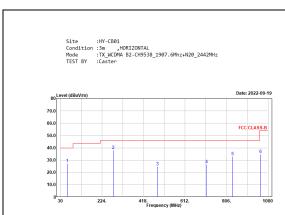
 1. Level = Read Level + Factor

 2. Factor Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Lim

 4. The emission under 30MHz was not included since the emission levels are very low against the limit.





| No. | Frequency | Level | Limit Line | Over Limit | Read Level | Factor | Remark |
|-----|-----------|--------|---------------|---------------|---------------|--------|--------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | |
| 1 | 61.844 | 27.03 | 40.00 | -12.97 | 52.10 | -25.07 | QP |
| 2 | 276.950 | 37.96 | 46.00 | -8.04 | 62.13 | -24.17 | QP |
| 3 | 482.153 | 24.81 | 46.00 | -21.19 | 43.75 | -18.94 | QP |
| 4 | 712.940 | 26.53 | 46.00 | -19.47 | 41.18 | -14.65 | QP |
| 5 | 833.725 | 32.94 | 46.00 | -13.06 | 46.04 | -13.10 | QP |
| 6 | 963.150 | 34.72 | 54.00 | -19.28 | 46.23 | -11.51 | QΡ |

- Note:

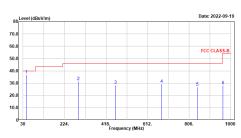
 1. Level = Read Level + Factor

 2. Factor = Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Line

 4. The emission under 30MHz was not included since the emission levels are very low against the limit.

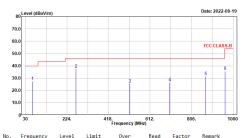
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_MCDMA_B2-CH9538_1907.6Mhz+N20_2442MHz
TEST_BY :Caster



| No. | Frequency | Level | Limit Line | Over Limit | Read Level | Factor | Remark |
|-----|-----------|--------|---------------|---------------|---------------|--------|--------|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | |
| 1 | 45.810 | 36.94 | 40.00 | -3.06 | 60.73 | -23.79 | QP |
| 2 | 288.633 | 31.52 | 46.00 | -14.48 | 55.34 | -23.82 | QP |
| 3 | 462.793 | 28.46 | 46.00 | -17.54 | 47.63 | -19.17 | QP |
| 4 | 677.511 | 29.20 | 46.00 | -16.80 | 44.47 | -15.27 | QP |
| 5 | 844.822 | 26.85 | 46.00 | -19.15 | 39.79 | -12.94 | QP |
| 6 | 963.182 | 27.94 | 54.00 | -26.06 | 39.45 | -11.51 | QP |

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit t Level Limit Line
 4. The emission under 30MHz was not included since the emission levels are very low against the limit.

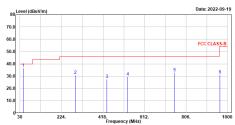
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_MCDMA B5-CH4233_846.6Mhz+N20_2442MHz
TEST BY :Caster



| | | | Line | Limit | Level | | |
|---|---------|--------|--------|--------|-------|--------|----|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | |
| 1 | 62.540 | 27.50 | 40.00 | -12.50 | 52.62 | -25.12 | QP |
| 2 | 266.133 | 37.52 | 46.00 | -8.48 | 62.38 | -24.86 | QP |
| 3 | 517.153 | 25.33 | 46.00 | -20.67 | 43.47 | -18.14 | QP |
| 4 | 703.820 | 26.51 | 46.00 | -19.49 | 41.18 | -14.67 | QP |
| 5 | 872.188 | 31.52 | 46.00 | -14.48 | 44.29 | -12.77 | QP |
| 6 | 962.345 | 35.70 | 54.00 | -18.30 | 47.21 | -11.51 | OP |

- Note:
 1. Level = Read Level + Factor
 2. Factor = Antenna Factor + Cable Loss Preamp Factor
 3. Over Limit = Level Limit Line
 4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_MCDMA B5-CH4233_846.6Mhz+N20_2442MHz
TEST BY :Caster



| No. | Frequency | Level | Limit Line | Over Limit | Read Level | Factor | Remark | | |
|-----|-----------|--------|---------------|---------------|---------------|--------|--------|--|--|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | | | |
| 1 | 45.576 | 36.52 | 40.00 | -3.48 | 60.29 | -23.77 | QP | | |
| 2 | 288.188 | 30.88 | 46.00 | -15.12 | 54.71 | -23.83 | QP | | |
| 3 | 435.796 | 27.54 | 46.00 | -18.46 | 47.30 | -19.76 | QP | | |
| 4 | 533.811 | 29.70 | 46.00 | -16.30 | 47.60 | -17.90 | QP | | |
| 5 | 752.544 | 32.86 | 46.00 | -13.14 | 46.72 | -13.86 | QP | | |
| 6 | 963.811 | 31.05 | 54.00 | -22.95 | 42.55 | -11.50 | OP | | |

- Note:

 1. Level = Read Level + Factor

 2. Factor Antenna Factor + Cable Loss Preamp Factor

 3. Over Limit = Level Limit Lime

 4. The emission under 30MHz was not included since the emission levels are
 very low against the limit.



3. EMI Reduction Method During Compliance Testing

No modification was made during testing.