

FCC RADIO TEST REPORT FCC ID: ZSW-30-140

Product: Mobile Phone Trade Mark: Bmobile Model No.: Venus Family Model: N/A Report No.: S25031804502003 Issue Date: Apr. 09, 2025

Prepared for

b mobile HK Limited FLAT/RM 1202, 12/F GOLDEN STAR BUILDING, 20 LOCKHART ROAD, WANCHAI, HK, CHINA

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd. No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Baoar District, Shenzhen, Guangdong, People's Republic of China

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Complied

1 TEST RESULT CERTIFICATION

| Applicant's name: | b mobile HK Limited | | |
|------------------------------|--|--|--|
| Address: | FLAT/RM 1202, 12/F GOLDEN STAR BUILDING, 20 LOCKHART ROAD, WANCHAI, HK, CHINA | | |
| Manufacturer's Name: | b mobile HK Limited | | |
| Address: | FLAT/RM 1202, 12/F GOLDEN STAR BUILDING, 20 LOCKHART ROAD, WANCHAI, HK, CHINA | | |
| Product description | | | |
| Product name: | Mobile Phone | | |
| Model and/or type reference: | Venus | | |
| Family Model: | N/A | | |
| Test Sample number: | S250318045002 | | |
| Date of Test: | Mar. 19, 2025 ~ Apr. 09, 2025 | | |

Measurement Procedure Used:

APPLICABLE STANDARDS

APPLICABLE STANDARD/ TEST PROCEDURE TEST RESULT

FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart C

ANSI C63.10-2013

KDB 558074 D01 15.247 Meas Guidance v05r02

This device described above has been tested by Shenzhen NTEK Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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The test results of this report relate only to the tested sample identified in this report.

| Prepared <u>-</u> By ⁻ (Pr | Allen Liu Foject Engineer) | Reviewed . By [·] – | Aaron Cheng Aaron Cheng (Supervisor) | Approved . By [·] - | Alex Li Alex Li (Manager) |
|---|-------------------------------|---------------------------------|--|---------------------------------|---------------------------------|
| | | | | | |

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| 2 SUMMARY OF TE | SUMMARY OF TEST RESULTS | | | | | | |
|--------------------------|--------------------------------|---------|--------|--|--|--|--|
| | FCC Part15 (15.247), Subpart C | | | | | | |
| Standard Section | Test Item | Verdict | Remark | | | | |
| 15.207 | Conducted Emission | PASS | | | | | |
| 15.247 (a)(2) | 6dB Bandwidth | PASS | | | | | |
| 15.247 (b) | Maximum Output Power | PASS | | | | | |
| 15.209 (a) 15.205 (a) | Radiated Spurious Emission | PASS | | | | | |
| 15.247 (e) | Power Spectral Density | PASS | | | | | |
| 15.247 (d) | Band Edge Emission | PASS | | | | | |
| 15.247 (d) | Spurious RF Conducted Emission | PASS | | | | | |
| 15.203 | Antenna Requirement | PASS | | | | | |

Remark:

- 1. "N/A" denotes test is not applicable in this Test Report.
- All test items were verified and recorded according to the standards and without any deviation during the test.
- This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, People's Republic of China.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

| Site Description | |
|------------------|--|
| CNAS-Lab. : | The Certificate Registration Number is L5516. |
| IC-Registration | The Certificate Registration Number is 9270A. |
| - | CAB identifier:CN0074 |
| FCC- Accredited | Test Firm Registration Number: 463705. |
| | Designation Number: CN1184 |
| A2LA-Lab. | The Certificate Registration Number is 4298.01 |
| | This laboratory is accredited in accordance with the recognized |
| | International Standard ISO/IEC 17025:2005 General requirements for |
| | the competence of testing and calibration laboratories. |
| | This accreditation demonstrates technical competence for a defined |
| | scope and the operation of a laboratory quality management system |
| | (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009). |
| Name of Firm : | Shenzhen NTEK Testing Technology Co., Ltd. |
| Site Location : | No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Baoan |
| | District, Shenzhen, Guangdong, People's Republic of China. |

3.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y\pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

| No. | Item | Uncertainty |
|-----|-------------------------------------|-------------|
| 1 | Conducted Emission Test | ±2.80dB |
| 2 | RF power, conducted | ±0.16dB |
| 3 | Spurious emissions, conducted | ±0.21dB |
| 4 | All emissions, radiated(30MHz~1GHz) | ±2.64dB |
| 5 | All emissions, radiated(1GHz~6GHz) | ±2.40dB |
| 6 | All emissions, radiated(>6GHz) | ±2.52dB |
| 7 | Temperature | ±0.5°C |
| 8 | Humidity | ±2% |
| 9 | All emissions, radiated(9KHz~30MHz) | ±6dB |



4 GENERAL DESCRIPTION OF EUT

| | Product Feature and Specification | | | | | |
|--|--|--|--|--|--|--|
| Equipment Mobile Phone | | | | | | |
| Trade Mark | Bmobile | | | | | |
| FCC ID | ZSW-30-140 | | | | | |
| Model No. | Venus | | | | | |
| Family Model | N/A | | | | | |
| Model Difference | N/A | | | | | |
| Operating Frequency | 2412-2462MHz for 802.11b/g/11n(HT20); | | | | | |
| Modulation | DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n; | | | | | |
| Number of Channels 11 channels for 802.11b/g/11n(HT20); | | | | | | |
| Antenna Type | FPC Antenna | | | | | |
| Antenna Gain | 0.9dBi | | | | | |
| Power supply | DC 3.85V from Battery or DC 5V from Adapter. | | | | | |
| Battery | Rated Capacity: DC 3.85V, 4900 mAh, 18.86Wh Typical Capacity: DC 3.85V, 5000 mAh, 19.25Wh | | | | | |
| Adapter INPUT: AC 100-240V~50-60Hz 0.3A OUTPUT: DC 5.0V2A | | | | | | |
| HW Version | Bmobile_VENUS_HW_V1.0 | | | | | |
| SW Version | Bmobile_VENUS_TIGO_LATAM_V001 | | | | | |

Note: Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.

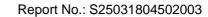




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Revision History

| | Revision History | | | | | |
|-----------------|------------------|-------------------------|---------------|--|--|--|
| Report No. | Version | Description | Issued Date | | | |
| S25031804502003 | Rev.01 | Initial issue of report | Apr. 09, 2025 | | | |
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To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Certificate #4298 01

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Those data rates (802.11b: 1 Mbps; 802.11g: 6 Mbps; 802.11n (HT20): MCS0) were used for all test.

The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement -X, Y, and Z-plane. The Y-plane results were found as the worst case and were shown in this report.

Frequency and Channel list for 802.11b/g/n (HT20):

| Channel | Frequency(MHz) |
|---------|----------------|
| 1 | 2412 |
| 2 | 2417 |
| | |
| 5 | 2432 |
| 6 | 2437 |
| | |
| 10 | 2457 |
| 11 | 2462 |

Note: fc=2412MHz+(k-1)×5MHz k=1 to 11

EUT built-in battery-powered, the battery is fully-charged.

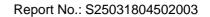




| Test Items | Mode | Data Rate | Channel | Ant |
|--------------------------------------|-------------|-----------|---------|-----|
| AC Power Line Conducted Emissions | Normal Link | - | - | - |
| | 11b/CCK | 1 Mbps | 1/6/11 | 1 |
| Maximum Conducted Output | 11g/BPSK | 6 Mbps | 1/6/11 | 1 |
| Power | 11n HT20 | MCS0 | 1/6/11 | 1 |
| | | | | |
| | 11b/CCK | 1 Mbps | 1/6/11 | 1 |
| Power Spectral Density | 11g/BPSK | 6 Mbps | 1/6/11 | 1 |
| | 11n HT20 | MCS0 | 1/6/11 | 1 |
| | | | | |
| | 11b/CCK | 1 Mbps | 1/6/11 | 1 |
| 6dB Spectrum Bandwidth | 11g/BPSK | 6 Mbps | 1/6/11 | 1 |
| | 11n HT20 | MCS0 | 1/6/11 | 1 |
| Radiated Emissions Below 1GHz | Normal Link | - | - | - |
| Radiated Emissions Above | 11b/CCK | 1 Mbps | 1/6/11 | 1 |
| 1GHz | 11g/BPSK | 6 Mbps | 1/6/11 | 1 |
| | 11n HT20 | MCS0 | 1/6/11 | 1 |
| | | | | |
| | 445/001/ | 4 Mbm | 4/0/44 | |
| Band Edge Emissions | 11b/CCK | 1 Mbps | 1/6/11 | 1 |
| | 11g/BPSK | 6 Mbps | 1/6/11 | 1 |
| | 11n HT20 | MCS0 | 1/6/11 | 1 |



SETUP OF EQUIPMENT UNDER TEST 6 6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM For AC Conducted Emission Mode AC PLUG C-1 AE-1 EUT Adapter C-2 AE-2 Earphone For Radiated Test Cases EU For Conducted Test Cases C-3 Measurement EUT Instrument Note: The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.





6.2 SUPPORT EQUIPMENT

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Model/Type No. | Series No. | Note |
|---------------|--------------|----------------|------------|-------------|
| | Mobile Phone | Venus | N/A | EUT |
| AE-1 | Adapter | N/A | N/A | Peripherals |
| AE-2 Earphone | | N/A | N/A | Peripherals |
| | | | | |
| | | | | |
| | | | | |

| Item | Cable Type | Shielded Type | Ferrite Core | Length |
|------|----------------|---------------|--------------|--------|
| C-1 | USB Cable | NO | NO | 1.0m |
| C-2 | Earphone Cable | NO | NO | 1.2m |
| C-3 | RF Cable | YES | NO | 0.1m |
| | | | | |

Notes:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in [Length] column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".

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6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until | Calibrati on period |
|------|---|-----------------|-----------------|-------------------|------------------|---------------------|---------------------------|
| 1 | Spectrum Analyzer | Agilent | E4440A | MY41000130 | 2024.04.26 | 2025.04.25 | 1 year |
| 2 | Spectrum Analyzer | Agilent | N9020A | MY49100060 | 2024.04.25 | 2025.04.24 | 1 year |
| 3 | Spectrum Analyzer | R&S | FSV40 | 101417 | 2024.04.25 | 2025.04.24 | 1 year |
| 4 | Test Receiver | R&S | ESPI7 | 101318 | 2024.04.26 | 2025.04.25 | 1 year |
| 5 | Bilog Antenna | TESEQ | CBL6111D | 31216 | 2024.05.12 | 2025.05.11 | 1 year |
| 6 | 50Ω Coaxial Switch | Anritsu | MP59B | 6200983705 | 2024.04.26 | 2027.04.25 | 3 year |
| 7 | Horn Antenna | EM | EM-AH-1018 0 | 2011071402 | 2024.05.12 | 2027.05.11 | 3 year |
| 8 | Broadband Horn Antenna | SCHWARZBE CK | BBHA 9170 | 803 | 2024.05.12 | 2027.05.11 | 3 year |
| 9 | Amplifier | EMC | EMC051835 SE | 980246 | 2024.04.25 | 2025.04.24 | 1 year |
| 10 | Active Loop Antenna | SCHWARZBE CK | FMZB 1519 B | 055 | 2024.05.17 | 2027.05.16 | 3 year |
| 11 | Power Meter | DARE | RPR3006W | 15I00041SN 084 | 2024.04.25 | 2025.04.24 | 1 year |
| 12 | Test Cable (9KHz-30MHz) | N/A | R-01 | N/A | 2023.05.06 | 2026.05.05 | 3 year |
| 13 | Test Cable (30MHz-1GHz) | N/A | R-02 | N/A | 2023.05.06 | 2026.05.05 | 3 year |
| 14 | High Test Cable(1G-40G Hz) | N/A | R-03 | N/A | 2022.06.17 | 2025.06.16 | 3 year |
| 15 | Filter | TRILTHIC | 2400MHz | 29 | 2024.04.26 | 2027.04.25 | 3 year |
| 16 | temporary antenna connector (Note) | NTS | R001 | N/A | N/A | N/A | N/A |

Note:

We will use the temporary antenna connector (soldered on the PCB board) When conducted test And this temporary antenna connector is listed within the instrument list





| AC Co | onduction Test | equipment | | | | | |
|-------|--------------------------------|-----------------|-----------|------------|------------------|---------------------|--------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until | Calibration period |
| 1 | Test Receiver | R&S | ESCI | 101160 | 2024.04.26 | 2025.04.25 | 1 year |
| 2 | LISN | R&S | ENV216 | 101313 | 2024.04.25 | 2025.04.24 | 1 year |
| 3 | LISN | SCHWARZBE CK | NNLK 8129 | 8129245 | 2024.04.25 | 2025.04.24 | 1 year |
| 4 | 50Ω Coaxial Switch | ANRITSU CORP | MP59B | 6200983704 | 2024.04.26 | 2027.04.25 | 3 year |
| 5 | Test Cable (9KHz-30MH z) | N/A | C01 | N/A | 2023.05.06 | 2026.05.05 | 3 year |
| 6 | Test Cable (9KHz-30MH z) | N/A | C02 | N/A | 2023.05.06 | 2026.05.05 | 3 year |
| 7 | Test Cable (9KHz-30MH z) | N/A | C03 | N/A | 2023.05.06 | 2026.05.05 | 3 year |

Note: Each piece of equipment is scheduled for calibration once a year except the Aux Equipment & Test Cable which is scheduled for calibration every 2 or 3 years.

Measurement Software

| Item | Manufacturer | Software Name | Software Version | Description |
|------|--------------|----------------------|------------------|-------------------|
| 1 | MWRFtest | MTS 8310 2.4GHz/5GHz | 2.0 | RF Conducted Test |
| 2 | Farad | EZ-EMC_RE | AIT-03A | RadiatedTest |
| 3 | Farad | EZ-EMC_CE | AIT-03A | AC Conducted Test |



7 TEST REQUIREMENTS

7.1 CONDUCTED EMISSIONS TEST

7.1.1 Applicable Standard

According to FCC Part 15.207(a)

7.1.2 Conformance Limit

| Frequency(MHz) | Conducted Emission Limit | | |
|----------------|--------------------------|---------|--|
| Frequency(MHz) | Quasi-peak | Average | |
| 0.15-0.5 | 66-56* | 56-46* | |
| 0.5-5.0 | 56 | 46 | |
| 5.0-30.0 | 60 | 50 | |

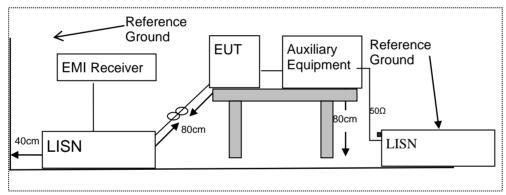
Note: 1. *Decreases with the logarithm of the frequency

- 2. The lower limit shall apply at the transition frequencies
- 3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

7.1.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.1.4 Test Configuration

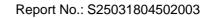


7.1.5 Test Procedure

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
- 2. The EUT was placed on a table which is 0.8m above ground plane.
- Connect EUT to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40cm long.
- 5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- 6. LISN at least 80 cm from nearest part of EUT chassis.
- 7. The frequency range from 150KHz to 30MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth(IF bandwidth=9KHz) with Maximum Hold Mode
- 9. For the actual test configuration, please refer to the related Item –EUT Test Photos.





7.1.6 Test Results

| EUT: | Mobile Phone | Model Name : | Venus |
|----------------|------------------------------------|--------------------|-------------|
| Temperature: | 25 ℃ | Relative Humidity: | 47% |
| Pressure: | 1010hPa | Phase : | L |
| Test Voltage : | DC 5V from Adapter AC 120V/60Hz | Test Mode: | Normal Link |

ACC

REDITED

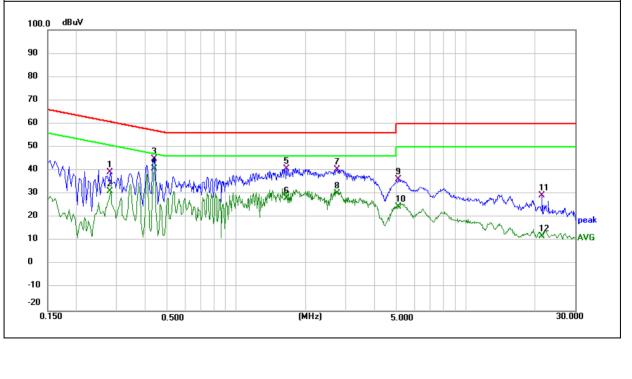
Certificate #4298.01

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Domork |
|-----------|---------------|----------------|--------------|--------|--------|--------|
| (MHz) | (dBµV) | (dB) | (dBµV) | (dBµV) | (dB) | Remark |
| 0.2819 | 29.06 | 10.25 | 39.31 | 60.76 | -21.45 | QP |
| 0.2819 | 20.77 | 10.25 | 31.02 | 50.76 | -19.74 | AVG |
| 0.4380 | 34.50 | 10.57 | 45.07 | 57.10 | -12.03 | QP |
| 0.4380 | 30.26 | 10.57 | 40.83 | 47.10 | -6.27 | AVG |
| 1.6620 | 27.59 | 13.10 | 40.69 | 56.00 | -15.31 | QP |
| 1.6620 | 14.97 | 13.10 | 28.07 | 46.00 | -17.93 | AVG |
| 2.7420 | 30.72 | 9.86 | 40.58 | 56.00 | -15.42 | QP |
| 2.7420 | 20.31 | 9.86 | 30.17 | 46.00 | -15.83 | AVG |
| 5.0900 | 26.26 | 10.11 | 36.37 | 60.00 | -23.63 | QP |
| 5.0900 | 14.38 | 10.11 | 24.49 | 50.00 | -25.51 | AVG |
| 21.4980 | 16.41 | 12.96 | 29.37 | 60.00 | -30.63 | QP |
| 21.4980 | -0.95 | 12.96 | 12.01 | 50.00 | -37.99 | AVG |

Remark:

1. All readings are Quasi-Peak and Average values.

2. Factor = Insertion Loss + Cable Loss.







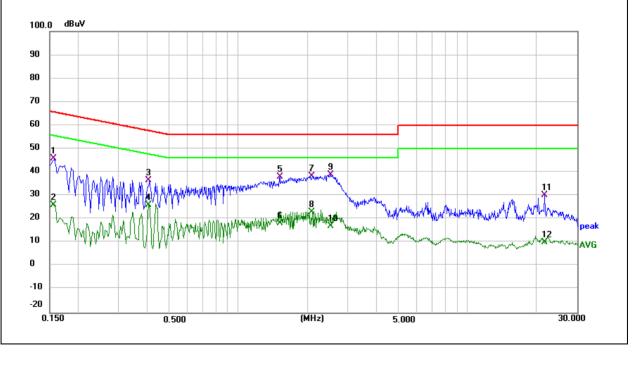
| EUT: | Mobile Phone | Model Name : | Venus |
|----------------|------------------------------------|--------------------|-------------|
| Temperature: | 22 °C | Relative Humidity: | 57% |
| Pressure: | 1010hPa | Phase : | Ν |
| Test Voltage : | DC 5V from Adapter AC 120V/60Hz | Test Mode: | Normal Link |

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Remark |
|-----------|---------------|----------------|--------------|--------|--------|--------|
| (MHz) | (dBµV) | (dB) | (dBµV) | (dBµV) | (dB) | Remark |
| 0.1556 | 36.27 | 9.46 | 45.73 | 65.70 | -19.97 | QP |
| 0.1556 | 16.71 | 9.46 | 26.17 | 55.70 | -29.53 | AVG |
| 0.4060 | 26.69 | 9.89 | 36.58 | 57.73 | -21.15 | QP |
| 0.4060 | 16.18 | 9.89 | 26.07 | 47.73 | -21.66 | AVG |
| 1.5140 | 25.90 | 12.06 | 37.96 | 56.00 | -18.04 | QP |
| 1.5140 | 6.06 | 12.06 | 18.12 | 46.00 | -27.88 | AVG |
| 2.1099 | 29.31 | 9.07 | 38.38 | 56.00 | -17.62 | QP |
| 2.1099 | 13.90 | 9.07 | 22.97 | 46.00 | -23.03 | AVG |
| 2.5260 | 29.78 | 9.10 | 38.88 | 56.00 | -17.12 | QP |
| 2.5260 | 7.91 | 9.10 | 17.01 | 46.00 | -28.99 | AVG |
| 21.6540 | 17.97 | 12.15 | 30.12 | 60.00 | -29.88 | QP |
| 21.6540 | -2.07 | 12.15 | 10.08 | 50.00 | -39.92 | AVG |

Remark:

1. All readings are Quasi-Peak and Average values.

2. Factor = Insertion Loss + Cable Loss.







7.2 RADIATED SPURIOUS EMISSION

7.2.1 Applicable Standard

According to FCC Part 15.247(d) and 15.209 and ANSI C63.10-2013

7.2.2 Conformance Limit

According to FCC Part 15.247(d): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). According to FCC Part15.205, Restricted bands

| S, Resilicieu Dalius | | |
|----------------------|--|--|
| MHz | MHz | GHz |
| 16.42-16.423 | 399.9-410 | 4.5-5.15 |
| 16.69475-16.69525 | 608-614 | 5.35-5.46 |
| 16.80425-16.80475 | 960-1240 | 7.25-7.75 |
| 25.5-25.67 | 1300-1427 | 8.025-8.5 |
| 37.5-38.25 | 1435-1626.5 | 9.0-9.2 |
| 73-74.6 | 1645.5-1646.5 | 9.3-9.5 |
| 74.8-75.2 | 1660-1710 | 10.6-12.7 |
| 123-138 | 2200-2300 | 14.47-14.5 |
| 149.9-150.05 | 2310-2390 | 15.35-16.2 |
| 156.52475-156.52525 | 2483.5-2500 | 17.7-21.4 |
| 156.7-156.9 | 2690-2900 | 22.01-23.12 |
| 162.0125-167.17 | 3260-3267 | 23.6-24.0 |
| 167.72-173.2 | 3332-3339 | 31.2-31.8 |
| 240-285 | 3345.8-3358 | 36.43-36.5 |
| 322-335.4 | 3600-4400 | (2) |
| | | |
| | MHz 16.42-16.423 16.69475-16.69525 16.80425-16.80475 25.5-25.67 37.5-38.25 73-74.6 74.8-75.2 123-138 149.9-150.05 156.52475-156.52525 156.7-156.9 162.0125-167.17 167.72-173.2 240-285 | MHzMHz16.42-16.423399.9-41016.69475-16.69525608-61416.80425-16.80475960-124025.5-25.671300-142737.5-38.251435-1626.573-74.61645.5-1646.574.8-75.21660-1710123-1382200-2300149.9-150.052310-2390156.52475-156.525252483.5-2500156.7-156.92690-2900162.0125-167.173260-3267167.72-173.23332-3339240-2853345.8-3358 |

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Restricted Frequency(MHz) | Field Strength (µV/m) | Field Strength (dBµV/m) | Measurement Distance |
|------------------------------|-----------------------|-------------------------|----------------------|
| 0.009~0.490 | 2400/F(KHz) | 20 log (uV/m) | 300 |
| 0.490~1.705 | 24000/F(KHz) | 20 log (uV/m) | 30 |
| 1.705~30.0 | 30 | 29.5 | 30 |
| 30-88 | 100 | 40 | 3 |
| 88-216 | 150 | 43.5 | 3 |
| 216-960 | 200 | 46 | 3 |
| Above 960 | 500 | 54 | 3 |

Limits of Radiated Emission Measurement(Above 1000MHz)

| Frequency(MHz) | Class B (dBuV/ | /m) (at 3M) |
|----------------|----------------|-------------|
| Frequency(MHZ) | PEAK | AVERAGE |
| Above 1000 | 74 | 54 |

Remark :1. Emission level in dBuV/m=20 log (uV/m)

2. Measurement was performed at an antenna to the closed point of EUT distance of meters.

3. For Frequency 9kHz~30MHz:

Distance extrapolation factor =40log(Specific distance/ test distance)(dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor.

For Frequency above 30MHz:

Distance extrapolation factor =20log(Specific distance/ test distance)(dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor.

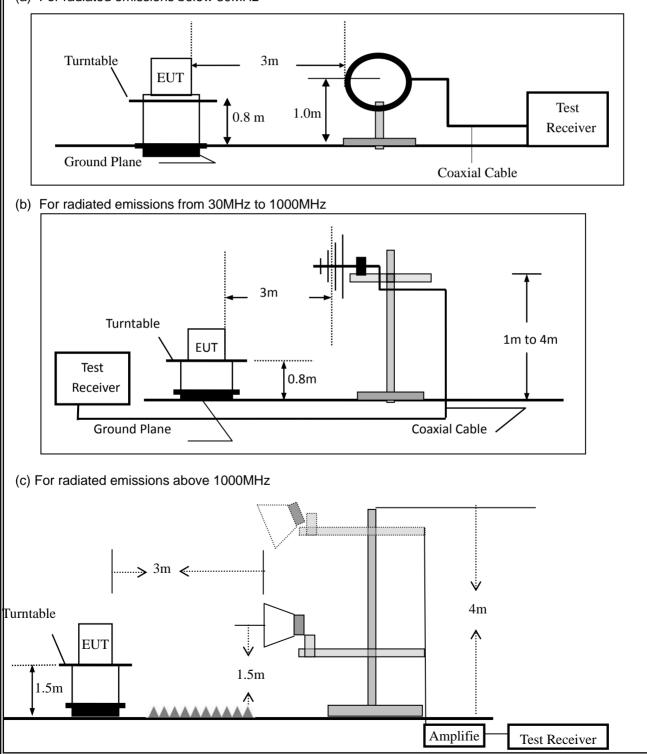


7.2.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.2.4 Test Configuration

(a) For radiated emissions below 30MHz





7.2.5 Test Procedure

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2013. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

| Setting |
|--|
| Auto |
| 1000 MHz |
| 10th carrier harmonic |
| 1 MHz / 1 MHz for Peak, 1 MHz / 1MHz for Average |
| |

| Receiver Parameter | Setting |
|------------------------|----------------------------------|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9kHz~150kHz / RB 200Hz for QP |
| Start ~ Stop Frequency | 150kHz~30MHz / RB 9kHz for QP |
| Start ~ Stop Frequency | 30MHz~1000MHz / RB 120kHz for QP |

a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz and frequencies above 1GHz,

- b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- e. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- f. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.

g For the actual test configuration, please refer to the related Item –EUT Test Photos. Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

During the radiated emission test, the Spectrum Analyzer was set with the following configurations: For peak measurement:

Set RBW=120 kHz for f < 1 GHz; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold; Set RBW = 1 MHz, VBW= 3MHz for f≥1 GHz

For average measurement:

VBW = 10 Hz, when duty cycle is no less than 98 percent.

VBW \geq 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of



operation.

Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] =10*lg(100 [kHz]/narrower RBW [kHz]). , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

7.2.6 Test Results

| EUT: | Mobile Phone | Model No.: | Venus |
|--------------|-------------------|--------------------|-----------|
| Temperature: | 20 °C | Relative Humidity: | 48% |
| Test Mode: | 802.11b/g/n(HT20) | Test By: | Allen Liu |

| Freq. | Ant.Pol. | Emission Level(dBuV/m) | | Limit 3 | m(dBuV/m) | Over(dB) | |
|-------|----------|------------------------|----|---------|-----------|----------|----|
| (MHz) | H/V | PK | AV | PK | AV | PK | AV |
| | | | | | | | |

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.



Spurious Emission below 1GHz (30MHz to 1GHz)

All the modulation modes have been tested, and the worst result was report as below:

| EUT: | Mobile Phone | Model Name : | Venus |
|----------------|--------------|--------------------|--------------|
| Temperature: | 24 °C | Relative Humidity: | 53% |
| Pressure: | 1010hPa | Test Mode: | 802.11b CH11 |
| Test Voltage : | DC 3.85V | | |

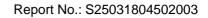
| Polar | Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Remark |
|-------|-----------|------------------|--------|-------------------|----------|--------|--------|
| (H/V) | (MHz) | (dBuV) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | |
| V | 32.6340 | 10.94 | 17.59 | 28.53 | 40.00 | -11.47 | QP |
| V | 37.6800 | 14.08 | 18.13 | 32.21 | 40.00 | -7.79 | QP |
| V | 48.3280 | 5.32 | 19.71 | 25.03 | 40.00 | -14.97 | QP |
| V | 58.8190 | 12.70 | 19.25 | 31.95 | 40.00 | -8.05 | QP |
| V | 69.6000 | 11.08 | 16.72 | 27.80 | 40.00 | -12.20 | QP |
| V | 119.4360 | 7.85 | 16.75 | 24.60 | 43.50 | -18.90 | QP |







| Polar | Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Remark |
|----------------------------|---------------------------|------------------|--------------|-------------------|-----------------------------|------------------------------|----------|
| (H/V) | (MHz) | (dBuV) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | |
| Н | 46.9950 | 1.69 | 19.54 | 21.23 | 40.00 | -18.77 | QP |
| Н | 76.5119 | 10.21 | 14.96 | 25.17 | 40.00 | -14.83 | QP |
| Н | 103.4419 | 6.80 | 17.58 | 24.38 | 43.50 | -19.12 | QP |
| Н | 117.7730 | 3.91 | 17.01 | 20.92 | 43.50 | -22.58 | QP |
| Н | 204.9550 | 4.12 | 17.36 | 21.48 | 43.50 | -22.02 | QP |
| Н | 948.7610 | 1.38 | 30.90 | 32.28 | 46.00 | -13.72 | QP |
| Remark Emission 80.0 | n Level = Meter dBuV/m | Reading+ Fa | ctor, Margin | = Emission L | evel- Limit | | |
| 70 | | | | | | | |
| 60 - | | | | | | | |
| 50 - | | | | | | | |
| 40 | | | | | | | 6 |
| 30 - | 1 | 2 | 3 | 5 | angthe alternation when the | Martin advantional Wine With | Sala Bar |
| 20 - | 1 wanter and a stranger | aliana francis | Away | white warming | waythe albert a how and | | |
| 10 0.0 | | | | | | | |
| | 000 | 60.00 | | MHz) | 300.00 | | 1000.000 |



| UT | : | r | Nobile Pł | none | | Mc | del No.: | N | /enus | | |
|--------|-------------|---------------|------------------------------|-------------------|--------------------|------------------|---------------|----------|------------|-----|------------|
| Гem | perature: | 2 | 20 °C Relative Humidity: 48% | | | | | | | | |
| Test | Mode: | 8 | 302.11b/g | g/n(HT20) | | Те | st By: | A | Allen Liu | | |
| \II th | ne modulati | on mod | es have b | been teste | d, and the | worst re | sult was repo | ort as b | pelow: | | |
| | Frequency | Read Level | Cable loss | Antenna Factor | Preamp Factor | Emissio Level | n Limits | Marg | in Rema | ark | Comment |
| | (MHz) | (dBµV) | (dB) | dB/m | (dB) | (dBµV/m | i) (dBµV/m) | (dB |) | | |
| | | | | Low Chan | nel (2412 N | ИHz)(802. | 11g)Above 1 | G | | | |
| | 4824.265 | 62.74 | 5.21 | 35.59 | 44.30 | 59.24 | 74.00 | -14.7 | ′6 Pk | | Vertical |
| | 4824.265 | 40.57 | 5.21 | 35.59 | 44.30 | 37.07 | 54.00 | -16.9 | 3 AV | | Vertical |
| | 7236.296 | 60.41 | 6.48 | 36.27 | 44.60 | 58.56 | 74.00 | -15.4 | 4 Pk | | Vertical |
| Γ | 7236.296 | 43.69 | 6.48 | 36.27 | 44.60 | 41.84 | 54.00 | -12.1 | 6 AV | | Vertical |
| | 4824.414 | 61.44 | 5.21 | 35.55 | 44.30 | 57.90 | 74.00 | -16.1 | 0 Pk | | Horizontal |
| | 4824.414 | 42.61 | 5.21 | 35.55 | 44.30 | 39.07 | 54.00 | -14.9 | 3 AV | | Horizontal |
| | 7236.428 | 63.39 | 6.48 | 36.27 | 44.52 | 61.62 | 74.00 | -12.3 | 8 Pk | | Horizontal |
| | 7236.428 | 46.79 | 6.48 | 36.27 | 44.52 | 45.02 | 54.00 | -8.98 | B AV | | Horizontal |
| | | | | Mid Chan | nel (2437 N | /Hz)(802.1 | 11g)Above 1 | G | | | |
| | 4874.312 | 62.60 | 5.21 | 35.66 | 44.20 | 59.27 | 74.00 | -14.7 | '3 Pk | | Vertical |
| | 4874.312 | 43.06 | 5.21 | 35.66 | 44.20 | 39.73 | 54.00 | -14.2 | 7 AV | | Vertical |
| | 7311.227 | 59.79 | 7.10 | 36.50 | 44.43 | 58.96 | 74.00 | -15.0 | 94 Pk | | Vertical |
| | 7311.227 | 47.36 | 7.10 | 36.50 | 44.43 | 46.53 | 54.00 | -7.4 | 7 AV | | Vertical |
| | 4874.529 | 61.10 | 5.21 | 35.66 | 44.20 | 57.77 | 74.00 | -16.2 | 23 Pk | | Horizontal |
| | 4874.529 | 47.97 | 5.21 | 35.66 | 44.20 | 44.64 | 54.00 | -9.3 | 6 AV | | Horizontal |
| | 7311.313 | 60.07 | 7.10 | 36.50 | 44.43 | 59.24 | 74.00 | -14.7 | ′6 Pk | | Horizontal |
| | 7311.313 | 41.99 | 7.10 | 36.50 | 44.43 | 41.16 | 54.00 | -12.8 | 4 AV | | Horizontal |
| | | | | High Chan | nel (2462 l | MHz)(802. | 11g)Above 1 | G | | | |
| [| 4924.102 | 65.50 | 5.21 | 35.52 | 44.21 | 62.02 | 74.00 | -11.9 | 8 Pk | | Vertical |
| | 4924.102 | 42.30 | 5.21 | 35.52 | 44.21 | 38.82 | 54.00 | -15.1 | 8 AV | | Vertical |
| | 7386.425 | 60.71 | 7.10 | 36.53 | 44.60 | 59.74 | 74.00 | -14.2 | 26 Pk | | Vertical |
| [| 7386.425 | 44.35 | 7.10 | 36.53 | 44.60 | 43.38 | 54.00 | -10.6 | 2 AV | | Vertical |
| | 4924.066 | 66.86 | 5.21 | 35.52 | 44.21 | 63.38 | 74.00 | -10.6 | 2 Pk | | Horizontal |
| | 4924.066 | 46.87 | 5.21 | 35.52 | 44.21 | 43.39 | 54.00 | -10.6 | 51 AV | | Horizontal |
| | 7386.198 | 61.09 | 7.10 | 36.53 | 44.60 | 60.12 | 74.00 | -13.8 | 88 Pk | | Horizontal |
| | 7386.198 | 44.75 | 7.10 | 36.53 | 44.60 | 43.78 | 54.00 | -10.2 | 2 AV | | Horizontal |

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Note:

(1) Emission Level= Antenna Factor + Cable Loss + Read Level - Preamp Factor

(2) Other emissions are attenuated more than 20dB below the permissible limits, so it does not recorded in the report.

(3)"802.11b" mode is the worst mode. When PK value is lower than the Average value limit, average don't record.





Report No.: S25031804502003

■ Spurious Emission in Restricted Band 2310MHz -18000MHz All the modulation modes have been tested, and the worst result was report as below:

| the modula | | | | | e worst resu | ilt was repo | rt as belo | SW: | | |
|------------|------------------|---------------|-------------------|------------------|-------------------|--------------|------------|----------|------------|--|
| Frequency | Meter Reading | Cable Loss | Antenna Factor | Preamp Factor | Emission Level | Limits | Margin | Detector | Comment | |
| (MHz) | (dBµV) | (dB) | dB/m | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре | | |
| 802.11b | | | | | | | | | | |
| 2310.00 | 73.58 | 2.97 | 27.80 | 43.80 | 60.55 | 74 | -13.45 | Pk | Horizontal | |
| 2310.00 | 59.28 | 2.97 | 27.80 | 43.80 | 46.25 | 54 | -7.75 | AV | Horizontal | |
| 2310.00 | 74.37 | 2.97 | 27.80 | 43.80 | 61.34 | 74 | -12.66 | Pk | Vertical | |
| 2310.00 | 58.13 | 2.97 | 27.80 | 43.80 | 45.10 | 54 | -8.90 | AV | Vertical | |
| 2390.00 | 73.93 | 3.14 | 27.21 | 43.80 | 60.48 | 74 | -13.52 | Pk | Vertical | |
| 2390.00 | 57.62 | 3.14 | 27.21 | 43.80 | 44.17 | 54 | -9.83 | AV | Vertical | |
| 2390.00 | 72.42 | 3.14 | 27.21 | 43.80 | 58.97 | 74 | -15.03 | Pk | Horizontal | |
| 2390.00 | 58.04 | 3.14 | 27.21 | 43.80 | 44.59 | 54 | -9.41 | AV | Horizontal | |
| 2483.50 | 73.56 | 3.58 | 27.70 | 44.00 | 60.84 | 74 | -13.16 | Pk | Vertical | |
| 2483.50 | 58.86 | 3.58 | 27.70 | 44.00 | 46.14 | 54 | -7.86 | AV | Vertical | |
| 2483.50 | 74.46 | 3.58 | 27.70 | 44.00 | 61.74 | 74 | -12.26 | Pk | Horizontal | |
| 2483.50 | 58.10 | 3.58 | 27.70 | 44.00 | 45.38 | 54 | -8.62 | AV | Horizontal | |
| | | | | 8 | 02.11g | | | | | |
| 2310.00 | 75.03 | 2.97 | 27.80 | 43.80 | 62.00 | 74 | -12.00 | Pk | Horizontal | |
| 2310.00 | 60.47 | 2.97 | 27.80 | 43.80 | 47.44 | 54 | -6.56 | AV | Horizontal | |
| 2310.00 | 72.93 | 2.97 | 27.80 | 43.80 | 59.90 | 74 | -14.10 | Pk | Vertical | |
| 2310.00 | 58.39 | 2.97 | 27.80 | 43.80 | 45.36 | 54 | -8.64 | AV | Vertical | |
| 2390.00 | 73.30 | 3.14 | 27.21 | 43.80 | 59.85 | 74 | -14.15 | Pk | Vertical | |
| 2390.00 | 58.45 | 3.14 | 27.21 | 43.80 | 45.00 | 54 | -9.00 | AV | Vertical | |
| 2390.00 | 73.85 | 3.14 | 27.21 | 43.80 | 60.40 | 74 | -13.60 | Pk | Horizontal | |
| 2390.00 | 60.14 | 3.14 | 27.21 | 43.80 | 46.69 | 54 | -7.31 | AV | Horizontal | |
| 2483.50 | 74.46 | 3.58 | 27.70 | 44.00 | 61.74 | 74 | -12.26 | Pk | Vertical | |
| 2483.50 | 60.36 | 3.58 | 27.70 | 44.00 | 47.64 | 54 | -6.36 | AV | Vertical | |
| 2483.50 | 75.05 | 3.58 | 27.70 | 44.00 | 62.33 | 74 | -11.67 | Pk | Horizontal | |
| 2483.50 | 58.22 | 3.58 | 27.70 | 44.00 | 45.50 | 54 | -8.50 | AV | Horizontal | |
| | | | | 80 | 2.11n20 | | | | | |
| 2310.00 | 73.64 | 2.97 | 27.80 | 43.80 | 60.61 | 74 | -13.39 | Pk | Horizontal | |
| 2310.00 | 60.09 | 2.97 | 27.80 | 43.80 | 47.06 | 54 | -6.94 | AV | Horizontal | |
| 2310.00 | 75.19 | 2.97 | 27.80 | 43.80 | 62.16 | 74 | -11.84 | Pk | Vertical | |
| 2310.00 | 58.09 | 2.97 | 27.80 | 43.80 | 45.06 | 54 | -8.94 | AV | Vertical | |
| 2390.00 | 73.70 | 3.14 | 27.21 | 43.80 | 60.25 | 74 | -13.75 | Pk | Vertical | |
| 2390.00 | 57.77 | 3.14 | 27.21 | 43.80 | 44.32 | 54 | -9.68 | AV | Vertical | |
| 2390.00 | 72.93 | 3.14 | 27.21 | 43.80 | 59.48 | 74 | -14.52 | Pk | Horizontal | |
| 2390.00 | 58.39 | 3.14 | 27.21 | 43.80 | 44.94 | 54 | -9.06 | AV | Horizontal | |
| 2483.50 | 73.52 | 3.58 | 27.70 | 44.00 | 60.80 | 74 | -13.20 | Pk | Vertical | |
| 2483.50 | 58.63 | 3.58 | 27.70 | 44.00 | 45.91 | 54 | -8.09 | AV | Vertical | |
| 2483.50 | 75.15 | 3.58 | 27.70 | 44.00 | 62.43 | 74 | -11.57 | Pk | Horizontal | |
| 2483.50 | 58.58 | 3.58 | 27.70 | 44.00 | 45.86 | 54 | -8.14 | AV | Horizontal | |



Spurious Emission in Restricted Bands 3260MHz- 18000MHz

All the modulation modes have been tested, the worst result was report as below:

| Frequency | Reading Level | Cable Loss | Antenna Factor | Preamp Factor | Emission Level | Limits | Margin | Detector | Comment | | | |
|-----------|---------------------------------|---------------|-------------------|------------------|-------------------|----------|--------|----------|------------|--|--|--|
| (MHz) | (dBµV) | (dB) | dB/m | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре | | | | |
| | Low Channel (2412 MHz)(802.11b) | | | | | | | | | | | |
| 3260 | 60.67 | 4.04 | 29.57 | 44.7 | 49.58 | 74 | -24.42 | Pk | Vertical | | | |
| 3260 | 56.28 | 4.04 | 29.57 | 44.7 | 45.19 | 54 | -8.81 | AV | Vertical | | | |
| 3260 | 61.86 | 4.04 | 29.57 | 44.7 | 50.77 | 74 | -23.23 | Pk | Horizontal | | | |
| 3260 | 56.33 | 4.04 | 29.57 | 44.7 | 45.24 | 54 | -8.76 | AV | Horizontal | | | |
| 17797 | 42.85 | 10.99 | 43.95 | 43.5 | 54.29 | 74 | -19.71 | Pk | Vertical | | | |
| 17797 | 33.01 | 10.99 | 43.95 | 43.5 | 44.45 | 54 | -9.55 | AV | Vertical | | | |
| | | | High | Channel (24 | 62 MHz)(802. | .11b) | | | | | | |
| 3332 | 64.87 | 4.26 | 29.87 | 44.4 | 54.60 | 74 | -19.40 | Pk | Vertical | | | |
| 3332 | 53.81 | 4.26 | 29.87 | 44.4 | 43.54 | 54 | -10.46 | AV | Vertical | | | |
| 3332 | 62.85 | 4.26 | 29.87 | 44.4 | 52.58 | 74 | -21.42 | Pk | Horizontal | | | |
| 3332 | 52.67 | 4.26 | 29.87 | 44.4 | 42.40 | 54 | -11.60 | AV | Horizontal | | | |
| 17788 | 44.18 | 11.81 | 43.69 | 44.6 | 55.08 | 74 | -18.92 | Pk | Horizontal | | | |
| 17788 | 31.99 | 11.81 | 43.69 | 44.6 | 42.89 | 54 | -11.11 | AV | Horizontal | | | |

"802.11b" mode is the worst mode. When PK value is lower than the Average value limit, average don't record.

Other emissions are attenuated more than 20dB below the permissible limits, so it does not recorded in the report.



7.3 6DB BANDWIDTH

7.3.1 Applicable Standard

According to FCC Part 15.247(a)(2) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.2.

7.3.2 Conformance Limit

The minimum permissible 6dB bandwidth is 500 kHz.

7.3.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.3.4 Test Setup

Please refer to Section 6.1 of this test report.

7.3.5 Test Procedure

The testing follows Subclause 11.8 of ANSI C63.10. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT was operating in controlled its channel. Use the following spectrum analyzer settings: Span = the frequency band of operation RBW = 100KHz VBW \ge 3*RBW Sweep = auto Detector function = peak Trace = max hold



7.3.6 Test Results

| EUT: | Mobile Phone | Model No.: | Venus |
|--------------|---------------|--------------------|-----------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Test Mode: | 802.11b/g/n20 | Test By: | Allen Liu |

Test data reference attachment.



7.4 DUTY CYCLE

7.4.1 Applicable Standard

According to KDB 558074 D01 15.247 Meas Guidance v05r02 Section 6.

7.4.2 Conformance Limit

No limit requirement.

7.4.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

7.4.5 Test Procedure

a) A diode detector and an oscilloscope that together have a sufficiently short response time to permit accurate measurements of the ON and OFF times of the transmitted signal.

b) The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:

1) Set the center frequency of the instrument to the center frequency of the transmission.

2) Set RBW \geq OBW if possible; otherwise, set RBW to the largest available value.

3) Set VBW \geq RBW. Set detector = peak or average.

4) The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if T \leq 16.7 µs.)

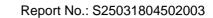
Measure T_{total} and T_{on}

Calculate Duty Cycle = T_{on} / T_{total}

7.4.6 Test Results

| EUT: | Mobile Phone | Model No.: | Venus |
|--------------|---------------|--------------------|-----------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Test Mode: | 802.11b/g/n20 | Test By: | Allen Liu |

Test data reference attachment.





7.5 MAXIMUM OUTPUT POWER

7.5.1 Applicable Standard

According to FCC Part 15.247(b)(3) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.3.2.3.

7.5.2 Conformance Limit

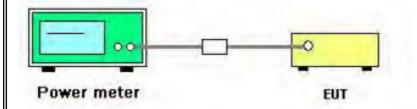
The maximum peak conducted output power of the intentional radiator for systems using digital modulation in the 2400 - 2483.5 MHz bands shall not exceed: 1 Watt (30dBm). If transmitting antenna of directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

7.5.3 Measuring Instruments

The following table is the setting of the power meter.

| Power meter parameter | Setting |
|-----------------------|---------|
| Detector | РК |

7.5.4 Test Setup



7.5.5 Test Procedure

The testing follows Measurement Procedure Subclause 11.9.1.3 of ANSI C63.10

7.5.6 EUT operation during Test

The EUT was programmed to be in continuously transmitting mode.



7.5.7 Test Results

| EUT: | Mobile Phone | Model No.: | Venus |
|--------------|---------------|--------------------|-----------|
| Temperature: | 20 °C | Relative Humidity: | 48% |
| Test Mode: | 802.11b/g/n20 | Test By: | Allen Liu |

Test data reference attachment.



7.6 POWER SPECTRAL DENSITY

7.6.1 Applicable Standard

According to FCC Part 15.247(e) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.4.

7.6.2 Conformance Limit

The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

7.6.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

The testing follows Measurement Procedure Subclause 11.10.2 of ANSI C63.10

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance, and is optional if the maximum conducted (average) output power was used to demonstrate compliance.

a) Set analyzer center frequency to DTS channel center frequency.

b) Set the span to 1.5 times the DTS bandwidth.

c) Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.

d) Set the VBW \geq 3 *RBW.

e) Detector = peak.

f) Sweep time = auto couple.

g) Trace mode = max hold.

h) Allow trace to fully stabilize.

i) Use the peak marker function to determine the maximum amplitude level within the RBW.

j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.



7.6.6 Test Results

| EUT: | Mobile Phone | Model No.: | Venus |
|--------------|---------------|--------------------|-----------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Test Mode: | 802.11b/g/n20 | Test By: | Allen Liu |

Test data reference attachment.





7.7 CONDUCTED BAND EDGE MEASUREMENT

7.7.1 Applicable Standard

According to FCC Part 15.247(d) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.7.

7.7.2 Conformance Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

7.7.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

The testing follows FCC KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.7.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.

Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

Repeat above procedures until all measured frequencies were complete.



7.7.6 Test Results

| EUT: | Mobile Phone | Model No.: | Venus |
|--------------|---------------|--------------------|-----------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Test Mode: | 802.11b/g/n20 | Test By: | Allen Liu |

Test data reference attachment.



7.8 SPURIOUS RF CONDUCTED EMISSIONS

7.8.1 Conformance Limit

1. Below -20dB of the highest emission level in operating band.

2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

7.8.2 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.8.3 Test Setup

Please refer to Section 6.1 of this test report.

7.8.4 Test Procedure

The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=100kHz and VBW= 300KHz to measure the peak field strength, and measure frequency range from 30MHz to 26.5GHz.

7.8.5 Test Results

Remark: The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data.

Test data reference attachment.



7.9 ANTENNA APPLICATION

7.9.1 Antenna Requirement

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

7.9.2 Result

The EUT antenna is permanent attached FPC Antenna (Gain:0.9dBi). It comply with the standard requirement.





8 TEST RESULTS

8.1 DUTY CYCLE

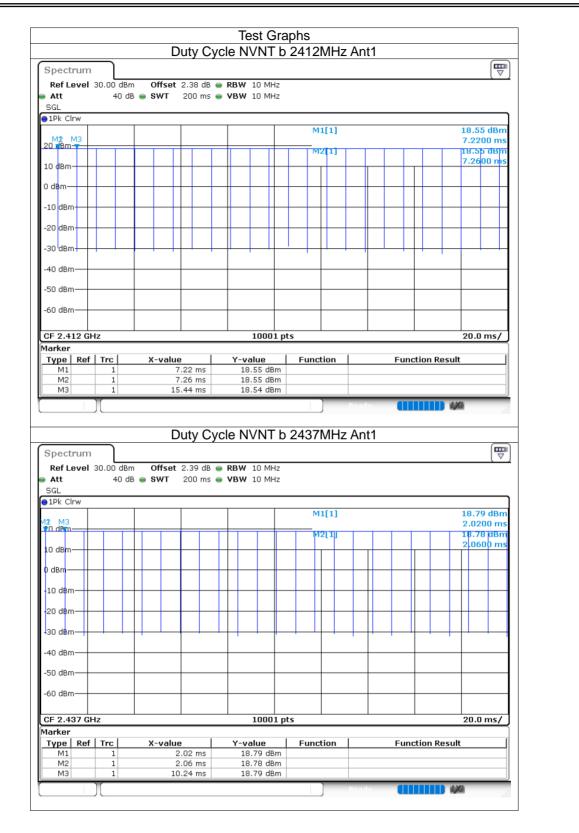
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|--------------------|---------|-------------------|---------------------------|--------------|
| NVNT | b | 2412 | Ant1 | 99.76 | 0.01 | 0.12 |
| NVNT | b | 2437 | Ant1 | 99.75 | 0.01 | 0.12 |
| NVNT | b | 2462 | Ant1 | 99.81 | 0.01 | 0.12 |
| NVNT | g | 2412 | Ant1 | 97.98 | 0.09 | 0.74 |
| NVNT | g | 2437 | Ant1 | 97.98 | 0.09 | 0.73 |
| NVNT | g | 2462 | Ant1 | 97.98 | 0.09 | 0.74 |
| NVNT | n20 | 2412 | Ant1 | 97.56 | 0.11 | 0.87 |
| NVNT | n20 | 2437 | Ant1 | 97.54 | 0.11 | 0.87 |
| NVNT | n20 | 2462 | Ant1 | 97.56 | 0.11 | 0.87 |



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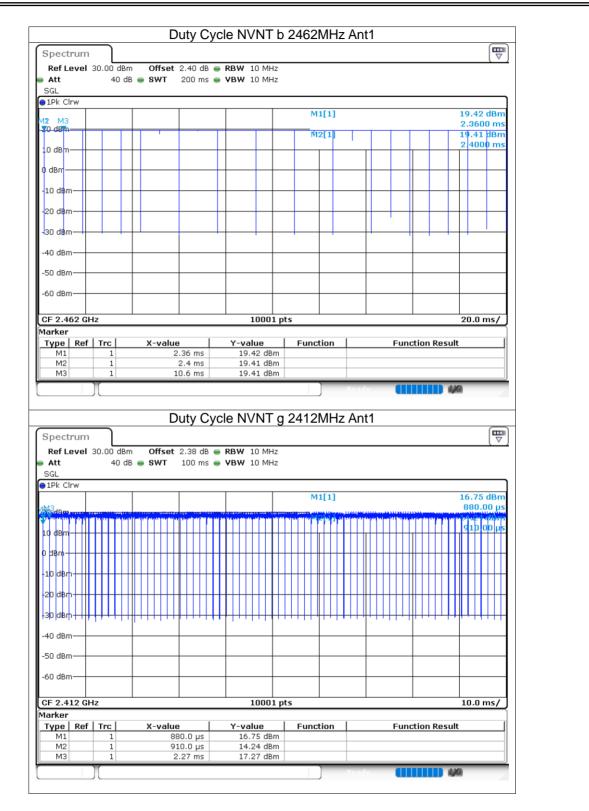
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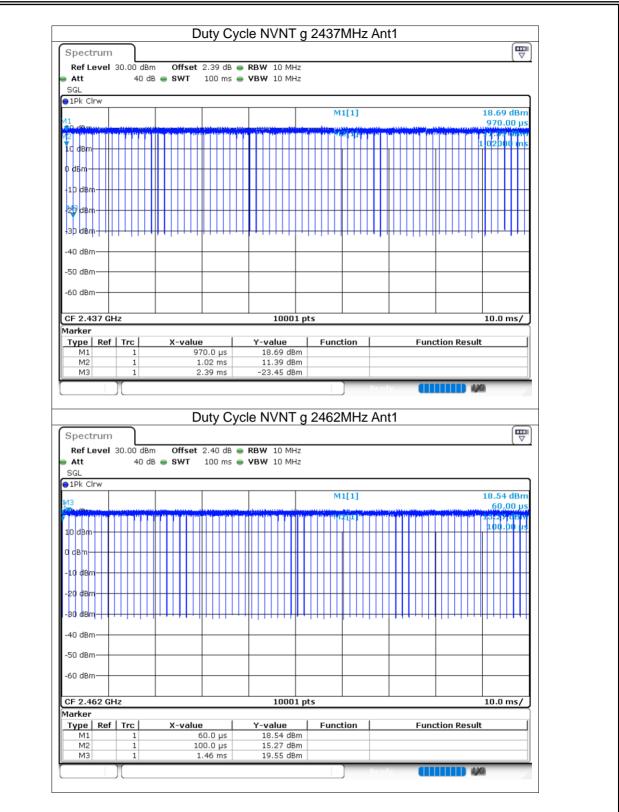




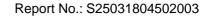


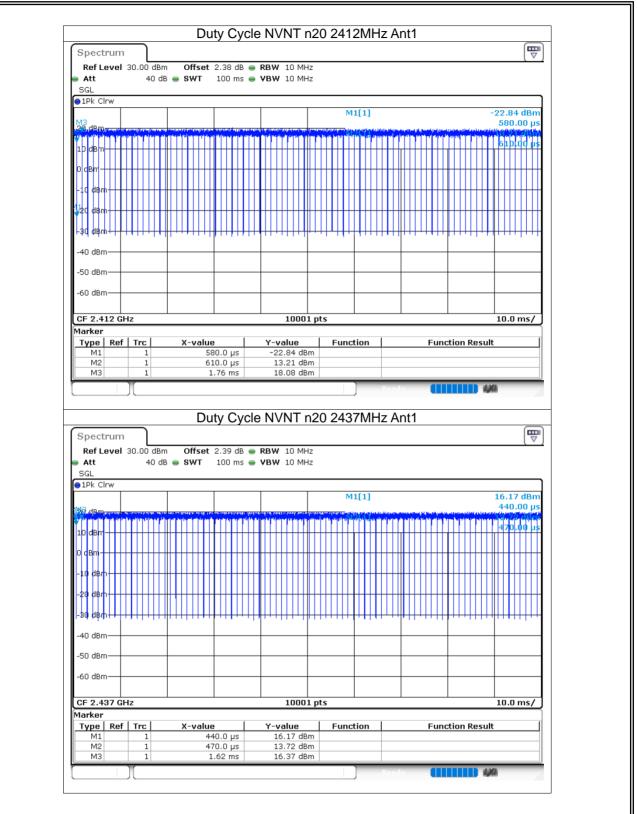








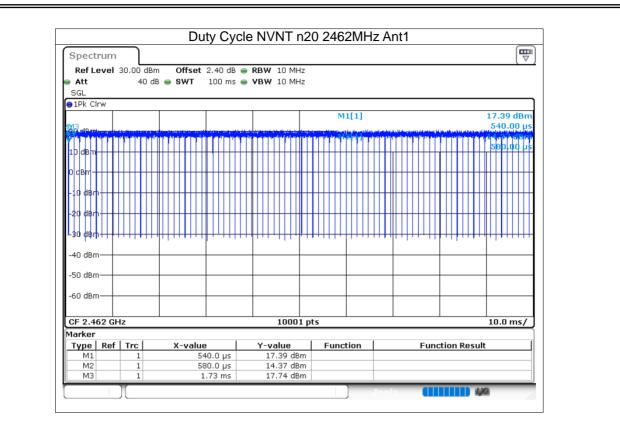








Report No.: S25031804502003







8.2 MAXIMUM CONDUCTED OUTPUT POWER

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|----------------|---------|
| NVNT | b | 2412 | Ant1 | 16.98 | 30 | Pass |
| NVNT | b | 2437 | Ant1 | 16.95 | 30 | Pass |
| NVNT | b | 2462 | Ant1 | 17.38 | 30 | Pass |
| NVNT | g | 2412 | Ant1 | 14.64 | 30 | Pass |
| NVNT | g | 2437 | Ant1 | 14.39 | 30 | Pass |
| NVNT | g | 2462 | Ant1 | 14.9 | 30 | Pass |
| NVNT | n20 | 2412 | Ant1 | 13.35 | 30 | Pass |
| NVNT | n20 | 2437 | Ant1 | 13.51 | 30 | Pass |
| NVNT | n20 | 2462 | Ant1 | 13.87 | 30 | Pass |





8.3 -6DB BANDWIDTH

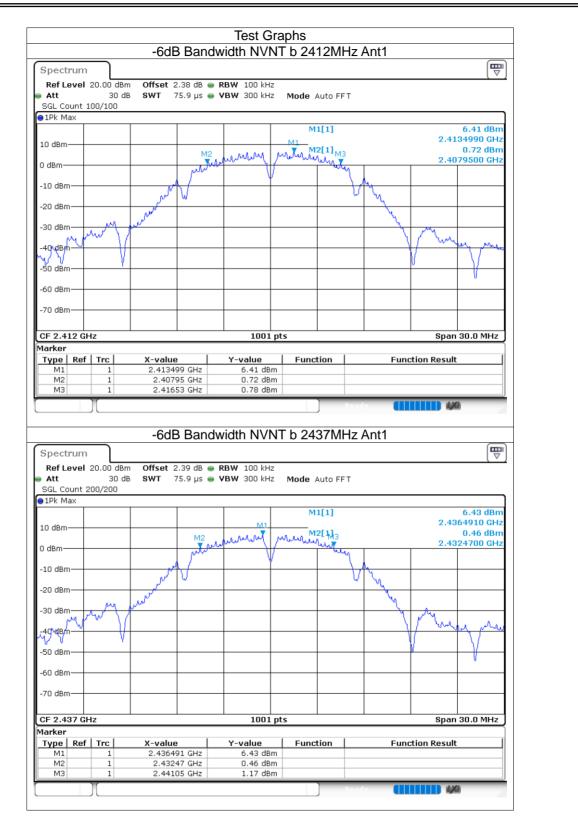
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|--------------------|---------|--------------------------|--------------------------------|---------|
| NVNT | b | 2412 | Ant1 | 8.58 | 0.5 | Pass |
| NVNT | b | 2437 | Ant1 | 8.58 | 0.5 | Pass |
| NVNT | b | 2462 | Ant1 | 8.097 | 0.5 | Pass |
| NVNT | g | 2412 | Ant1 | 16.302 | 0.5 | Pass |
| NVNT | g | 2437 | Ant1 | 16.302 | 0.5 | Pass |
| NVNT | g | 2462 | Ant1 | 16.116 | 0.5 | Pass |
| NVNT | n20 | 2412 | Ant1 | 17.715 | 0.5 | Pass |
| NVNT | n20 | 2437 | Ant1 | 17.391 | 0.5 | Pass |
| NVNT | n20 | 2462 | Ant1 | 16.878 | 0.5 | Pass |



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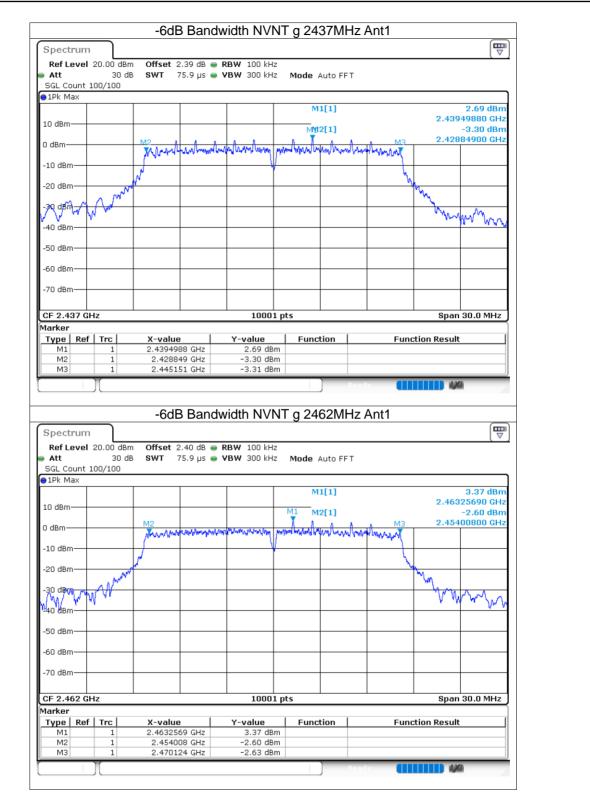




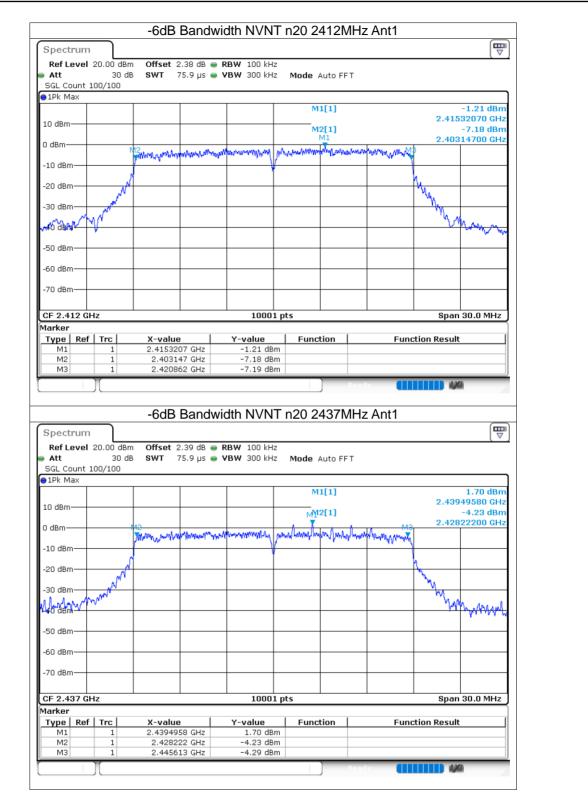




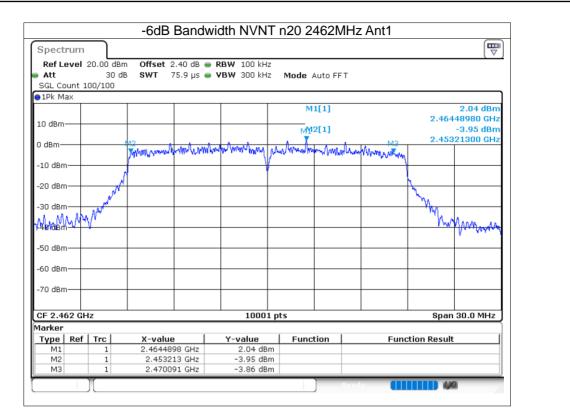
















8.4 OCCUPIED CHANNEL BANDWIDTH

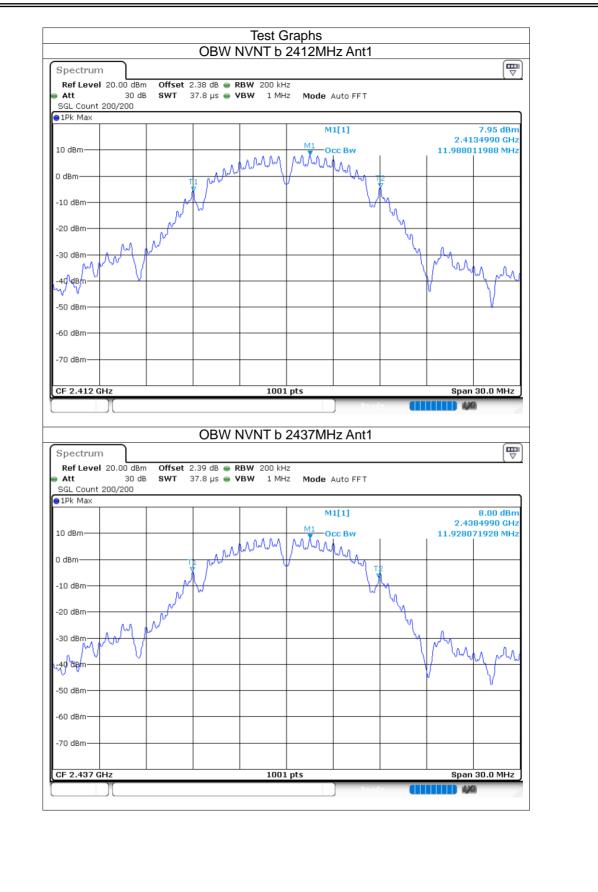
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT | b | 2412 | Ant1 | 11.988 |
| NVNT | b | 2437 | Ant1 | 11.928 |
| NVNT | b | 2462 | Ant1 | 11.898 |
| NVNT | g | 2412 | Ant1 | 16.699 |
| NVNT | g | 2437 | Ant1 | 16.792 |
| NVNT | g | 2462 | Ant1 | 16.594 |
| NVNT | n20 | 2412 | Ant1 | 17.695 |
| NVNT | n20 | 2437 | Ant1 | 17.599 |
| NVNT | n20 | 2462 | Ant1 | 17.674 |



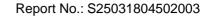
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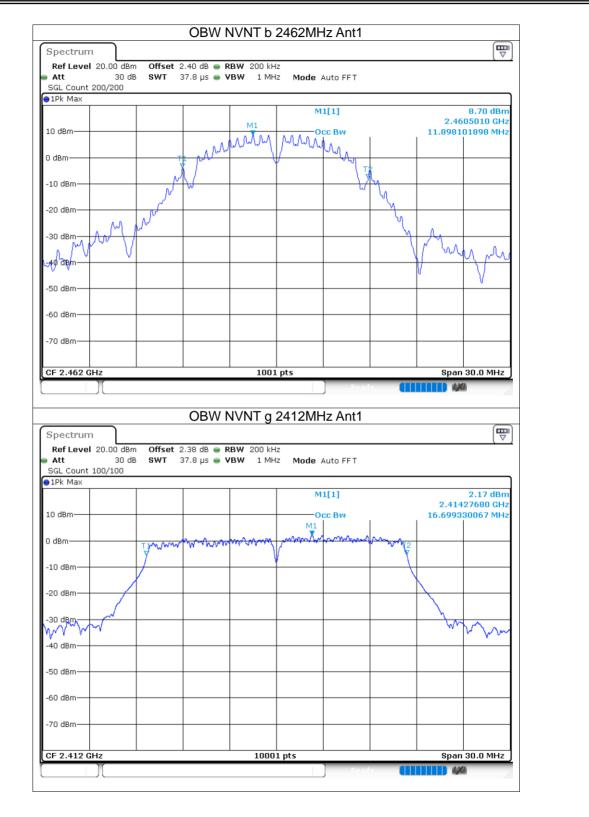
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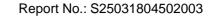










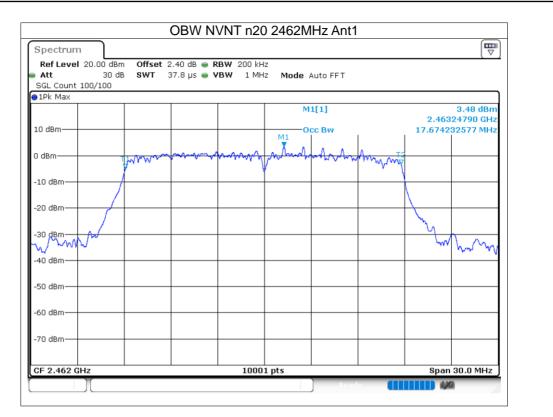
















8.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL

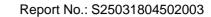
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|--------------------|---------|------------------------|----------------|---------|
| NVNT | b | 2412 | Ant1 | 5.46 | 8 | Pass |
| NVNT | b | 2437 | Ant1 | 5.59 | 8 | Pass |
| NVNT | b | 2462 | Ant1 | -8.56 | 8 | Pass |
| NVNT | g | 2412 | Ant1 | -12.69 | 8 | Pass |
| NVNT | g | 2437 | Ant1 | -12.77 | 8 | Pass |
| NVNT | g | 2462 | Ant1 | -11.65 | 8 | Pass |
| NVNT | n20 | 2412 | Ant1 | -13.29 | 8 | Pass |
| NVNT | n20 | 2437 | Ant1 | -12.97 | 8 | Pass |
| NVNT | n20 | 2462 | Ant1 | -12.87 | 8 | Pass |

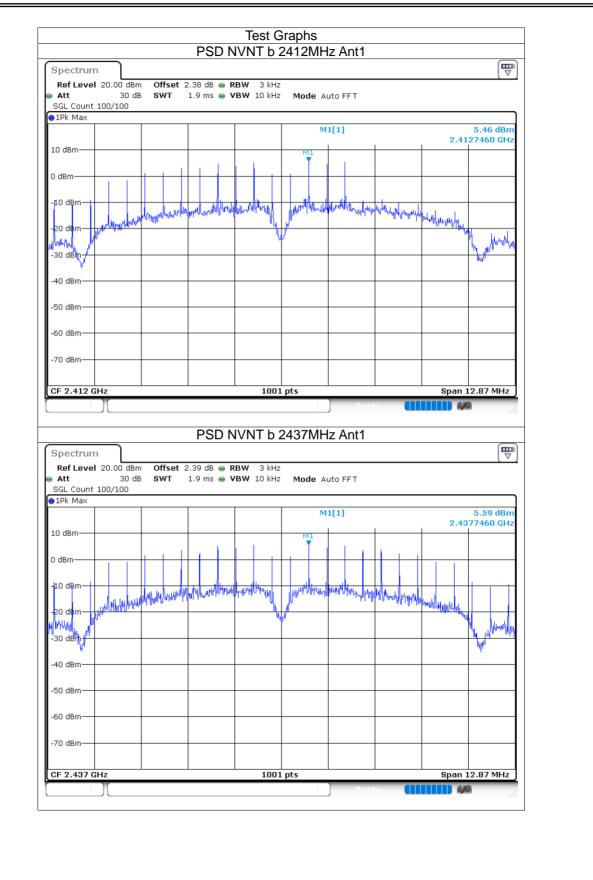
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Certificate #4298.01

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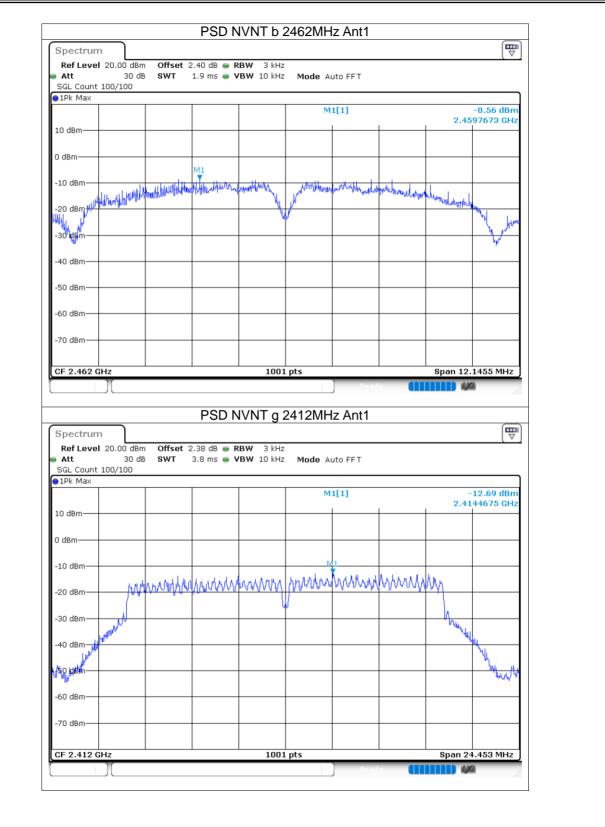






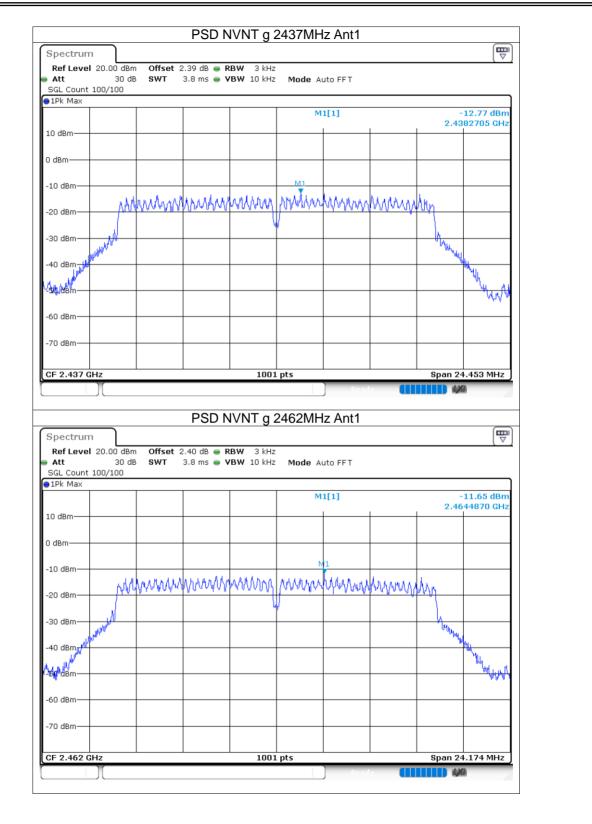






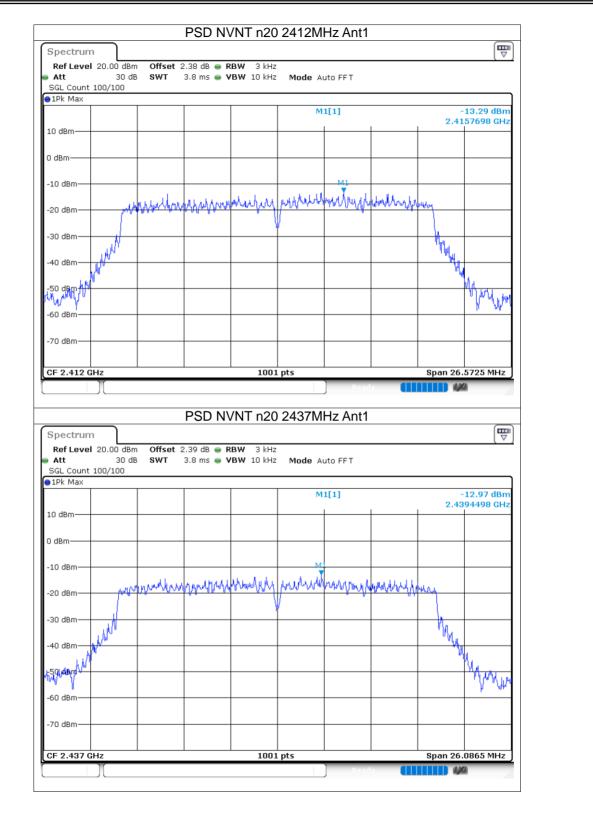
















| Ref Level 20 | .00 dBm (| Offset 2. | 40 dB 🔵 R | BW 3 kHz | | | | | |
|---------------------------|-------------|------------|-------------------|-----------|-----------------------|-------------------|------------|----------|-----------|
| Att | | змт з | 1.8 ms 👄 V | BW 10 kHz | Mode Au | uto FFT | | | |
| SGL Count 100, 1Pk Max | /100 | | | | | | | | |
| | | | | | M | 1[1] | | - | 12.87 dBm |
| | | | | | | | | 2.45 | 95465 GHz |
| 10 dBm | | | | | | | | | |
| D dBm | | | | | | | | | |
| o dom | | | | | | | | | |
| -10 dBm | | | M | 1 | | | | | |
| | and the | America | ALAMAA | amphase | when prove when there | فالمحملة المحلمين | www.www. | | |
| -20 dBm | - maporer - | - 08 04 01 | Not a b b - o m | wald A Al | Label da . | a x a A A a CA | uhada antu | /William | |
| | | | | 1 | / | | | | |
| -30 dBm | | | | | | | | 1.s | |
| 1 - In all | | | | | | | | ° Щ., | |
| -40 dBm | | | | | | | | r, | 4 |
| -SOUHRON | | | | | | | | | Mu |
| Josephann | | | | | | | | | Way |
| -60 dBm | | | | | | | | | 1 1 |
| | | | | | | | | | |
| 70 dBm | | | | | | | | | |
| | | | | | | | | | |
| CF 2.462 GHz | | | | 1001 | nts | | | Span 25 | 5.317 MHz |



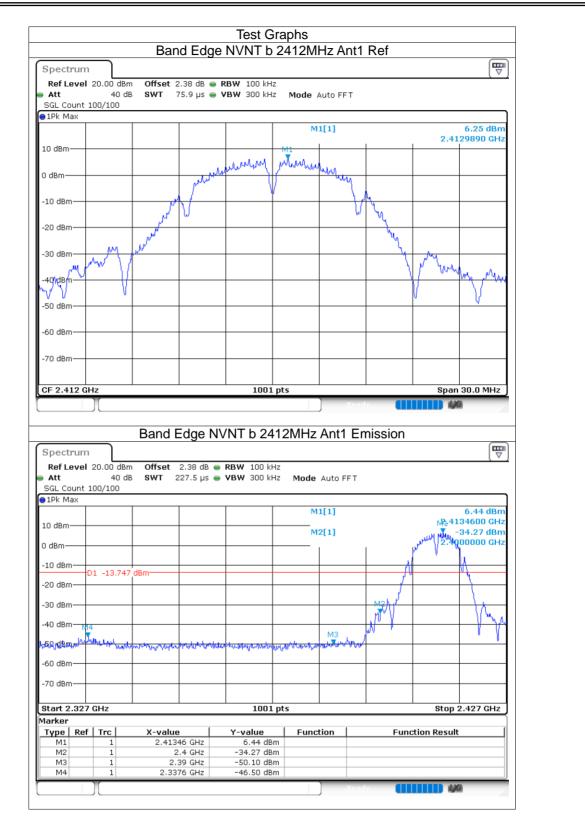


8.6 BAND EDGE

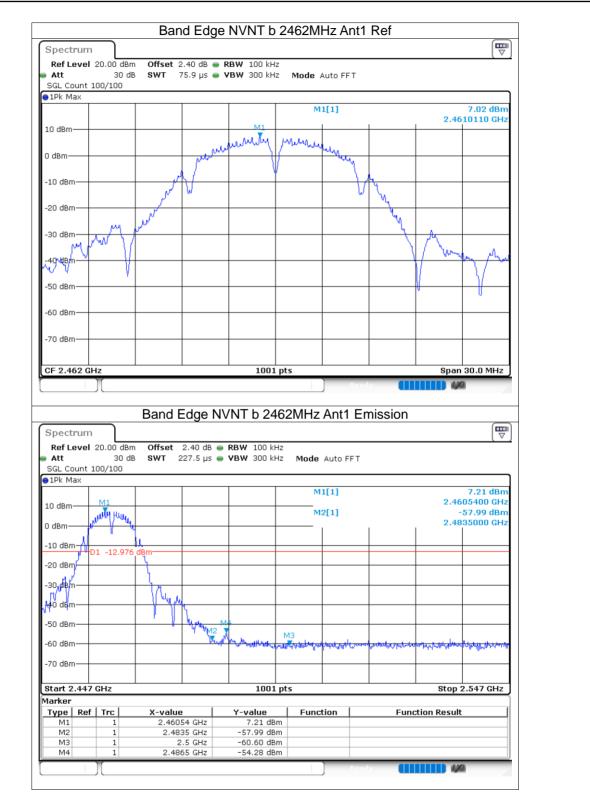
| υ. | | | | | | | |
|----|-----------|------|-----------------|---------|-----------------|-------------|---------|
| | Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
| | NVNT | b | 2412 | Ant1 | -52.75 | -20 | Pass |
| | NVNT | b | 2462 | Ant1 | -61.3 | -20 | Pass |
| Ī | NVNT | g | 2412 | Ant1 | -50.21 | -20 | Pass |
| Ī | NVNT | g | 2462 | Ant1 | -45.08 | -20 | Pass |
| ſ | NVNT | n20 | 2412 | Ant1 | -49.35 | -20 | Pass |
| Ī | NVNT | n20 | 2462 | Ant1 | -44.35 | -20 | Pass |



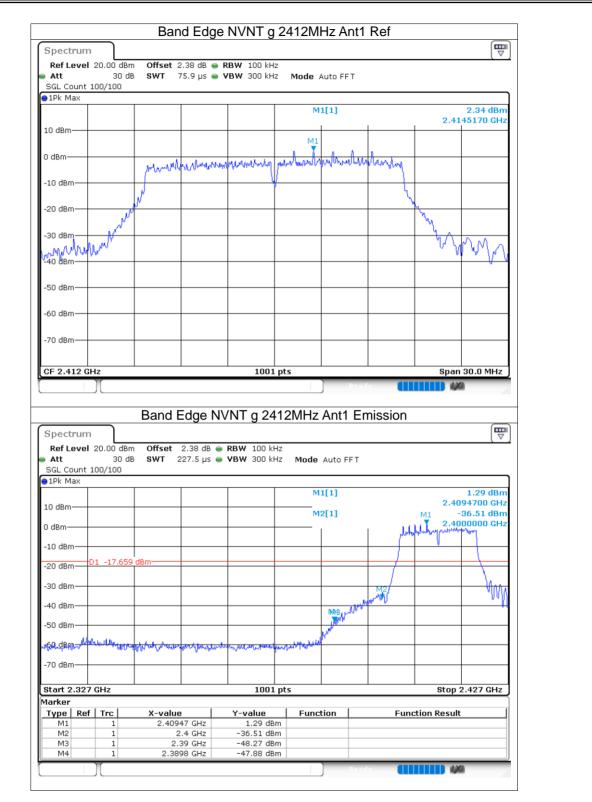




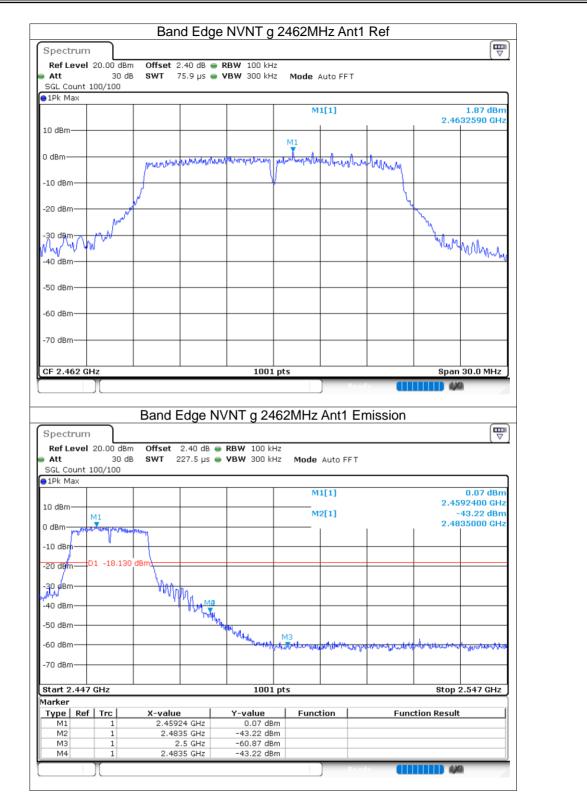














| Spectru | Im | | | | NVNT n20 | | | | | 1 |
|---|--|--|--|---|--|---|----------------------|-----------------|--|---|
| | | | offeet 0 | 20 db - 0 | DDW 100 kus | | | | (7 | |
| Att | /er a | 20.00 dBi 30 d | | | RBW 100 kHz VBW 300 kHz | Mode Auto FE | т | | | |
| SGL Cour | nt 10 | | | | | niede nato n | | | | |
| 😑 1Pk Max | (| | | | | | | | | |
| | | | | | | M1[1] | | | 0.96 dBm | |
| 10 dBm— | | | | | | 1 | 1 | 2.4 | 145170 GHz | |
| TO UDIII | | | | | | | | | | |
| 0 dBm | | | | | | M1 | | | | |
| 0 ubiii | | | Was a tampi offic | MARINA | which we have a set | Newyhowhow | all more blance from | n | | |
| -10 dBm- | | | Mar 100 la | | | | | | | |
| 10 0.0 | | | | | l í | | | k . | | |
| -20 dBm- | | | N | | | | | -[\ <u>\</u> | | |
| | | North Contraction | | | | | | N. | | |
| -30 dBm- | _ | | | | | | | | | |
| | | Mrd | | | | | | N. | | |
| A40rdBm~ | Ψ | ſ | | | | | | | A Mandle | |
| νv | | | | | | | | 1 V | Mr. Mar N | |
| -50 dBm- | + | | | | | | | | + | |
| | | | | | | | | | | |
| -60 dBm— | + | | + + | | | | | | + | |
| | | | | | | | | | | |
| -70 dBm— | + | | | | | | | + | + | |
| | | | | | | | | | | |
| CF 2.412 | 2 GH | z | I | | | | | Spar | | |
| | | | Band Ed | ge NV | 1001 pt /NT n20 24/ | | Peady I | | n 30.0 MHz) | _ |
| Spectru | | | | | /NT n20 24 | | Ready | | M | _ |
| Ref Lev | | 20.00 dB | n Offset 2 | 2.38 dB 🧉 | /NT n20 24 | 12MHz Ant | | | | _ |
| - | vel 2 | 20.00 dBi 30 d | n Offset 2 | 2.38 dB 🧉 | /NT n20 24 | 12MHz Ant | | | | _ |
| Ref Lev Att | vel 2 nt 10 | 20.00 dBi 30 d | n Offset 2 | 2.38 dB 🧉 | /NT n20 24 | 12MHz Ant Mode Auto F | | | | |
| Ref Lev Att SGL Cour 1Pk Max | vel 2 nt 10 | 20.00 dBi 30 d | n Offset 2 | 2.38 dB 🧉 | /NT n20 24 | 12MHz Ant | | n | ₩ (₩) | _ |
| Ref Lev Att SGL Cour | vel 2 nt 10 | 20.00 dBi 30 d | n Offset 2 | 2.38 dB 🧉 | /NT n20 24 | 12MHz Ant Mode Auto F | | n 2.4 | -0.57 dBm 195600 GHz | - |
| Ref Lev Att SGL Cour 1Pk Max | vel 2 nt 10 | 20.00 dBi 30 d | n Offset 2 | 2.38 dB 🧉 | /NT n20 24 | 12MHz Ant Mode Auto F | ΈT | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 000000 GHz | - |
| Ref Lev Att SGL Cour 1Pk Max 10 dBm- | vel 2 nt 10 | 20.00 dBi 30 d | n Offset 2 | 2.38 dB 🧉 | /NT n20 24 | 12MHz Ant Mode Auto F | ΈT | n 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 000000 GHz | - |
| Ref Lev Att SGL Court 1Pk Max | vel 2 nt 10 | 20.00 dBi 30 d | n Offset 2 | 2.38 dB 🧉 | /NT n20 24 | 12MHz Ant Mode Auto F | ΈT | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 000000 GHz | _ |
| Ref Lev Att SGL Cour 1Pk Max 10 dBm- | /el 2 | 20.00 dBi 30 d 20/100 | n Offset 2 B SWT 22 | 2.38 dB 🧉 | /NT n20 24 | 12MHz Ant Mode Auto F | ΈT | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 000000 GHz | - |
| Ref Lev Att SGL Cour 1Pk Max 10 dBm- 0 dBm- -10 dBm- -20 dBm- | /el 2 | 20.00 dBi 30 d 20/100 | n Offset 2 B SWT 22 | 2.38 dB 🧉 | /NT n20 24 | 12MHz Ant Mode Auto F | ΈT | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 000000 GHz | - |
| Ref Lev Att SGL Cour 1Pk Max 10 dBm- 0 dBm- -10 dBm- | /el 2 | 20.00 dBi 30 d 20/100 | n Offset 2 B SWT 22 | 2.38 dB 🧉 | /NT n20 24 | 12MHz Ant Mode Auto F M1[1] M2[1] | FT | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 000000 GHz | - |
| Ref Lev Att SGL Cour 1Pk Max 10 dBm- 0 dBm- -10 dBm- -20 dBm- | /el 2 | 20.00 dBi 30 d 20/100 | n Offset 2 B SWT 22 | 2.38 dB 🧉 | /NT n20 24 | 12MHz Ant Mode Auto F M1[1] M2[1] | FT | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 000000 GHz | - |
| Ref Lev Att SGL Cour 10 dBm | /el 2 | 20.00 dBi 30 d 20/100 | n Offset 2 B SWT 22 | 2.38 dB 🧉 | /NT n20 24 | 12MHz Ant Mode Auto F M1[1] M2[1] | ΈT | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 000000 GHz | |
| Ref Lev Att SGL Cour PIPK Max 10 dBm | /el 2 | 20.00 dBi 30 d 20/100 | n Offset 2 B SWT 22 | 2.38 dB 27.5 μs | /NT n20 24 RBW 100 kHz YBW 300 kHz | 12MHz Ant Mode Auto F | FT | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 000000 GHz | |
| Ref Lev Att SGL Cour 10 dBm | /el 2 | 20.00 dBi 30 d 20/100 | n Offset 2 B SWT 22 | 2.38 dB 27.5 μs | /NT n20 24 RBW 100 kHz YBW 300 kHz | 12MHz Ant Mode Auto F M1[1] M2[1] | FT | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 000000 GHz | |
| Ref Lev Att SGL Cour PIPK Max 10 dBm | /el 2 | 20.00 dBi 30 d 20/100 | n Offset 2 B SWT 22 | 2.38 dB 27.5 μs | /NT n20 24 RBW 100 kHz YBW 300 kHz | 12MHz Ant Mode Auto F | FT | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 000000 GHz | |
| Ref Lev Att SGL Cour 10 dBm | /el 2 nt 1(; ; ; ; ; ; ; ; ; ; | 20.00 dBr 30 d 30/100 | n Offset 2 B SWT 22 | 2.38 dB 27.5 μs | /NT n20 24: | Mode Auto F Mode Auto F M1[1] M2[1] M2[1] | FT | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 000400 GHz 1/1/4 | |
| Ref Lev Att SGL Cour 10 dBm | /el 2 nt 1(; ; ; ; ; ; ; ; ; ; | 20.00 dBr 30 d 30/100 | n Offset 2 B SWT 22 | 2.38 dB 27.5 μs | /NT n20 24 RBW 100 kHz YBW 300 kHz | Mode Auto F Mode Auto F M1[1] M2[1] M2[1] | FT | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 000000 GHz | |
| Ref Lev Att SGL Cour 9 1Pk Max 10 dBm | 227 (| 20.00 dB 30 d 30 d 00/100 | n Offset 2 B SWT 22 | 2.38 dB 27.5 μs 27.5 μs | /NT n20 24' | 12MHz Ant Mode Auto F M1[1] M2[1] M2[1] | | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 00000 GHz -44,44 | |
| Ref Lev Att SGL Cour 10 dBm | 227 (| 20.00 dB 30 d 30 d 00/100 | n Offset 2 B SWT 22 | 2.38 dB 27.5 μs | /NT n20 24' | Mode Auto F Mode Auto F M1[1] M2[1] M2[1] | | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 00000 GHz -44,44 | |
| Ref Lev Att SG_Cour 9 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm Start 2.3 Marker Type In M1 M2 | 227 (| 20.00 dB 30 d 30 d 00/100 1 -19.04 GHz GHz Trc 1 1 | n Offset 2 B SWT 22 dBm dBm dBm x-value 2.4195 2. | 2.38 dB 27.5 μs | /NT n20 24' | 12MHz Ant Mode Auto F M1[1] M2[1] M2[1] | | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 00000 GHz -44,44 | |
| Ref Lev Att SGL Course 9 IPk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm Start 2.3 Marker Type I | 227 (| 20,00 dBa 30 d 00/100 1 -19.044 GHz Trc 1 | n Offset 2 B SWT 22 | 2,38 dB 27.5 μs 27.5 μs 27 | /NT n20 24 RBW 100 kHz VBW 300 kHz VBW 30 | 12MHz Ant Mode Auto F M1[1] M2[1] M2[1] | | n 2.4 2.4 | -0.57 dBm 195600 GHz -34,31 dBm 00000 GHz -44,44 | |







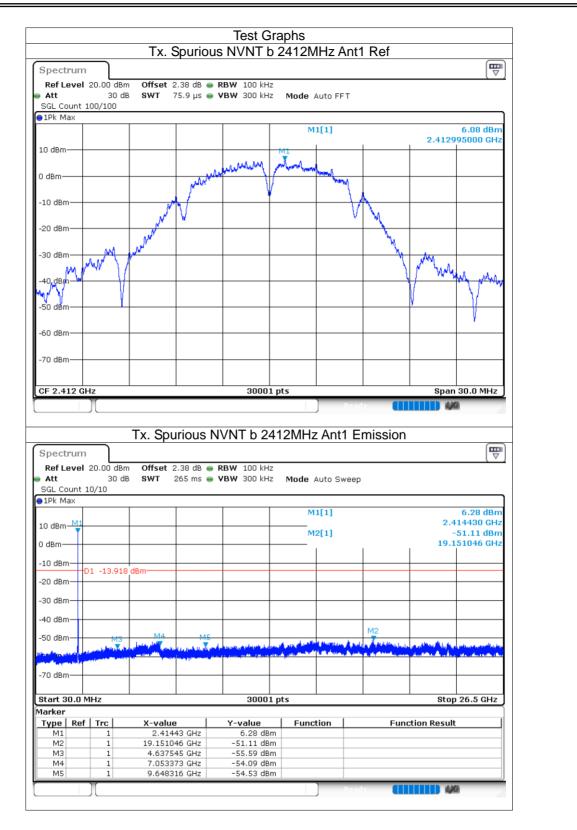


8.7 CONDUCTED RF SPURIOUS EMISSION

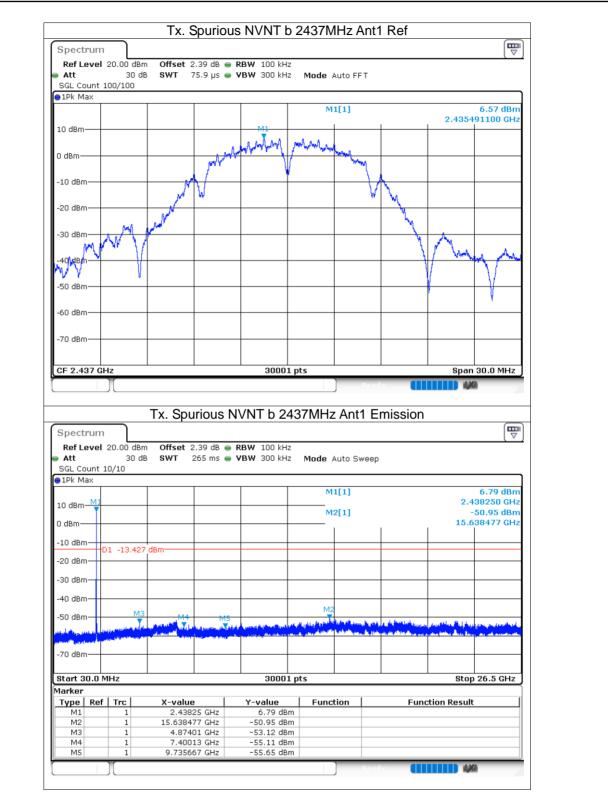
| 0 | | | | | | | |
|---|-----------|------|-----------------|---------|-----------------|-------------|---------|
| | Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
| | NVNT | b | 2412 | Ant1 | -57.18 | -20 | Pass |
| | NVNT | b | 2437 | Ant1 | -57.52 | -20 | Pass |
| | NVNT | b | 2462 | Ant1 | -57.35 | -20 | Pass |
| | NVNT | g | 2412 | Ant1 | -50.5 | -20 | Pass |
| | NVNT | g | 2437 | Ant1 | -50.19 | -20 | Pass |
| | NVNT | g | 2462 | Ant1 | -50.55 | -20 | Pass |
| | NVNT | n20 | 2412 | Ant1 | -49.48 | -20 | Pass |
| | NVNT | n20 | 2437 | Ant1 | -50.18 | -20 | Pass |
| | NVNT | n20 | 2462 | Ant1 | -50.22 | -20 | Pass |



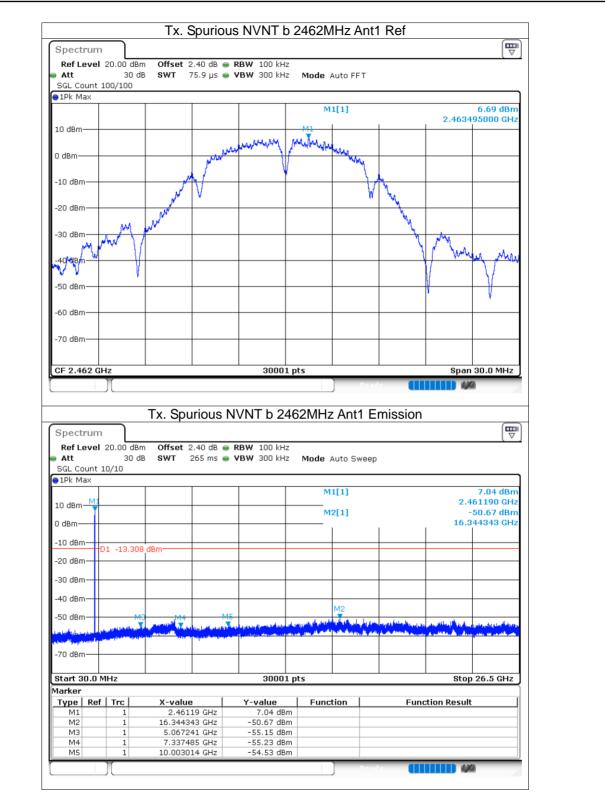












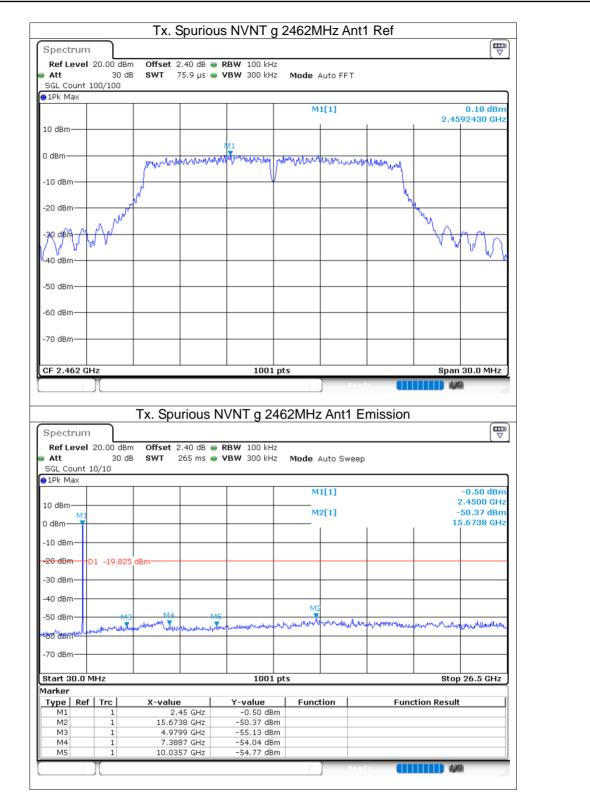


| Att SGL Co | e vel unt 1 | 20.00 dBr 30 d 00/100 | n Offset 2.3 | 38 dB 👄 | JS NVNT g | | | | | |
|---|----------------------------------|--|---|--------------------|---|--|--|------------------|----------|--|
| ∍1Pk Ma | эх | | | | | M | 1[1] | | | -0.54 dBm |
| 10 - 10 | | | | | | | | | 2.41 | 59860 GHz |
| 10 dBm- | | | | | | | | | | |
| 0 dBm— | | | | | | Norwaylyn | M1 AUMUMMU | | | |
| | | | mound | panyahilin | manning | MAN ANALANA . | that the second second | www.www | | |
| -10 dBm | | | | | | | | $\left \right $ | | |
| -20 dBm | | | V I | | | | | 7 | <u> </u> | |
| | | MN | | | | | | | m | |
| -30 dBm | 7 | Ar | | | | | | | here | mm m |
| $\int \mathcal{N}_{n}$ | γp | 1 | | | | | | | - W Y | WW. |
| -40 dBm | | | | | | | | | | |
| -50 dBm | | | | | | | | | | |
| | | | | | | | | | | |
| -60 dBm | - | | | | | | | | | |
| -70 dBm | | | | | | | | | | |
| -70 0011 | | | | | | | | | | |
| 05.0.4 | | | | | | | | | 0 | |
| GF 2.4. | L2 GF | lz)[| Tx Spur | ious | 1001 NVNT a 24 | | Read | mission | spar | 30.0 MHz J |
| Specti Ref Le | rum | 20.00 dBr | n Offset 2.3 | 38 dB 👄 | NVNT g 24 | 12MHz | Pear Ant1 E | mission | spar | (The second seco |
| Att | rum | 20.00 dBr 30 d | n Offset 2.3 | 38 dB 👄 | NVNT g 24 | I12MHz | Contraction Contractico Contra | | | |
| Specti Ref Le | rum evel | 20.00 dBr 30 d | n Offset 2.3 | 38 dB 👄 | NVNT g 24 | 112MHz Mode A | auto Sweep | | Spar | |
| Specti Ref Le Att SGL Co 1Pk Ma | rum evel | 20.00 dBr 30 d | n Offset 2.3 | 38 dB 👄 | NVNT g 24 | 112MHz Mode A | | | | -0.77 dBm |
| Specta Ref Le Att SGL Co 1Pk Ma 10 dBm- | rum evel | 20.00 dBr 30 d | n Offset 2.3 | 38 dB 👄 | NVNT g 24 | Mode A | auto Sweep | | | -0.77 dBm 2.4230 GHz 51.04 dBm |
| Specti Ref Le Att SGL Co 1Pk Ma | rum evel unt 1 ax | 20.00 dBr 30 d | n Offset 2.3 | 38 dB 👄 | NVNT g 24 | Mode A | uto Sweep L[1] | | | -0.77 dBm 2.4230 GHz |
| Specta Ref Le Att SGL Co 1Pk Ma 10 dBm- | rum evel unt 1 ex | 20.00 dBr 30 d | n Offset 2.3 | 38 dB 👄 | NVNT g 24 | Mode A | uto Sweep L[1] | | | -0.77 dBm 2.4230 GHz 51.04 dBm |
| Spectr Ref Le Att SGL Co 1Pk Ma 10 dBm- 0 dBm- -10 dBm | rum evel unt 1 ex | 20.00 dBr 30 d | n Offset 2.: B SWT 26 | 38 dB 👄 | NVNT g 24 | Mode A | uto Sweep L[1] | | | -0.77 dBm 2.4230 GHz 51.04 dBm |
| Spectr Ref Le Att SGL Co 1Pk Ma 10 dBm- 0 dBm- -10 dBm | rum evel unt 1 ax M1 |)(20.00 dBi 30 d 0/10 | n Offset 2.: B SWT 26 | 38 dB 👄 | NVNT g 24 | Mode A | uto Sweep L[1] | | | -0.77 dBm 2.4230 GHz 51.04 dBm |
| Specta Ref Le Att SGL Co 1Pk Ma 10 dBm- 0 dBm- -10 dBm- | rum evel unt 1 ax M1 |)(20.00 dBi 30 d 0/10 | n Offset 2.: B SWT 26 | 38 dB 👄 | NVNT g 24 | Mode A | uto Sweep L[1] | | | -0.77 dBm 2.4230 GHz 51.04 dBm |
| Spectu Ref Le Att SGL Co 10 dBm- 10 dBm- -10 dBm- -20 dBm -30 dBm | rum evel unt 1 ax M1 | 20.00 dBr 30 d 0/10 | n Offset 2.: B SWT 26 | 38 dB 👄 | NVNT g 24 RBW 100 kHz VBW 300 kHz | Mode A | uto Sweep 1[1] 2[1] | | | -0.77 dBm 2.4230 GHz 51.04 dBm |
| Specta Ref La SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm -20 dBm -30 dBm -30 dBm | rum evel unt 1 ax |)(20.00 dBi 30 d 0/10 | n Offset 2.: B SWT 26 | 38 dB 👄 | NVNT g 24 RBW 100 kHz VBW 300 kHz | Mode A | uto Sweep 1[1] 2[1] | | | -0.77 dBm 2.4230 GHz 51.04 dBm |
| Specta Ref Le SGL Co IPk Ma 10 dBm- -10 dBm- -20 dBm -30 dBm -40 dBm -50 dBm | M1 |) (| n Offset 2.: B SWT 26 | 38 dB • 55 ms • | NVNT g 24 RBW 100 kHz VBW 300 kHz | Mode A | uto Sweep 1[1] 2[1] | | | -0.77 dBm 2.4230 GHz 51.04 dBm 6.9122 GHz |
| Specta Ref Le SGL Co IPk Ma 10 dBm- -10 dBm- -20 dBm -30 dBm -40 dBm -50 dBm | M1 |) (| n Offset 2.: B SWT 26 | 38 dB • 55 ms • | NVNT g 24 RBW 100 kHz VBW 300 kHz | Mode A | uto Sweep 1[1] 2[1] | | | -0.77 dBm 2.4230 GHz 51.04 dBm 6.9122 GHz |
| Specta Ref La SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm | M1 | 20.00 dBr 30 d 0/10 1 -20.54 | n Offset 2.: B SWT 26 | 38 dB • 55 ms • | NVNT g 24 | Mode A | uto Sweep 1[1] 2[1] | | | -0.77 dBm 2.4230 GHz 51.04 dBm 6.9122 GHz |
| Specta Ref La SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm -20 dBm -30 dBm -30 dBm | M1 | 20.00 dBn 30 d 0/10 1 -20.54% | m Offset 2.: B SWT 26 | 38 dB • 55 ms • | NVNT g 24 RBW 100 kHz VBW 300 kHz | Mode A | uto Sweep 1[1] 2[1] | eyd Mar Mar | | -0.77 dBm 2.4230 GHz 51.04 dBm 6.9122 GHz |
| Spectr Ref Le SGL Co 1Pk Ma 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -70 dBm 50 dBm -70 dBm Start 3 Marker Type | M1 |) (| n Offset 2.3 B SWT 26 | 38 dB = 55 ms = | NVNT g 24 | Mode A Mode A M3 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 | uto Sweep 1[1] 2[1] | eyd Mar Mar | | -0.77 dBm 2.4230 GHz 51.04 dBm 6.9122 GHz |
| Specta Ref La SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm Start 3 Marker Type M1 M2 | M1 | 20.00 dBr 30 d 0/10 1 -20.54 1 -20.54 1 Hz Hz | m Offset 2.: B SWT 26 B SWT 26 B SWT 26 C C C C C C C C C C C C C C C C C C C | 38 dB 55 ms | NVNT g 24 RBW 100 kHz VBW 300 kHz | Mode A Mode A M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 | uto Sweep 1[1] 2[1] | eyd Mar Mar | | -0.77 dBm 2.4230 GHz 51.04 dBm 6.9122 GHz |
| Specta Ref Le SGL Co IPk Ma ID dBm- -10 dBm- -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -50 dBm -70 dBm Start 3 Warker Type M1 | M1 | 20.00 dBr 30 d 0/10 1 -20.54 1 -20.54 | n Offset 2.: B SWT 26 B SWT 26 SWT 26 SWT 26 SWT 26 SWT 26 SWT 26 SWT 26 SWT 26 SWT | 38 dB 55 ms | NVNT g 24 RBW 100 kHz VBW 300 kHz | Mode A Mode A M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 | uto Sweep 1[1] 2[1] | eyd Mar Mar | | -0.77 dBm 2.4230 GHz 51.04 dBm 6.9122 GHz |



| Spectrum | | | | s NVNT g | | | | | |
|---|-------------------------|---|---|--------------------------|---|---------------------------------------|--|------------------|--|
| | ' L 20.00 dBm | Offset 2.3 | 39 dB 👄 | RBW 100 kHz | | | | | (>) |
| Att | 30 dB | | | VBW 300 kHz | | ito FFT | | | |
| SGL Count | 100/100 | | | | | | | | |
| ∋1Pk Max | | | | | | | | | |
| | | | | | M1 | [1] | | | -0.47 dBm 09860 GHz |
| 10 dBm- | | | | | | | | 2.44 | 09800 GH2 |
| | | | | | | | | | |
| 0 dBm | | | | | a ta dina dar | M1 | | | |
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| -10 dBm | | | | ₩ | | | | | |
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| -20 dBm | 10 ¹ | | | + + | | | | Nr. | |
| | NV | | | | | | | Y | |
| -30 dBm | wall M | | | ++ | | | | 4/2 | Aim . |
| -30 dBm hay WW | (W) | | | | | | | บใ | W WY |
| -40 dBm | | | | | | | | | |
| 50 JF | | | | | | | | | |
| -50 dBm | | | | | | | | | |
| -60 dBm | | | | | | | | | |
| -oo ubiii | | | | | | | | | |
| -70 dBm- | | | | | | | | | |
| -yo abiii | | | | | | | | | |
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| CF 2.437 G | Hz | | | | | | | Snan | |
| |][| | | 1001 | | Read | × (II | | 30.0 MHz |
| |][| Tx Spur | ious N | | | Read Ant1 Fi | mission | | |
| C n a aturn | | Tx. Spur | ious N | IVNT g 24 | | Read Ant1 Ei | mission | | |
| Spectrum |)(| | | IVNT g 24 | 37MHz | Pear Ant1 E | mission | | |
| Ref Level | 20.00 dBm | Offset 2.3 | 39 dB 👄 | IVNT g 24 RBW 100 kHz | 37MHz | | mission | | |
| - | 20.00 dBm 30 dB | Offset 2.3 | 39 dB 👄 | IVNT g 24 | 37MHz | | mission | | |
| Ref Level Att | 20.00 dBm 30 dB | Offset 2.3 | 39 dB 👄 | IVNT g 24 RBW 100 kHz | 37MHz Mode Au | ito Sweep | mission | | |
| Ref Level Att SGL Count 1Pk Max | 20.00 dBm 30 dB | Offset 2.3 | 39 dB 👄 | IVNT g 24 RBW 100 kHz | 37MHz | ito Sweep | mission | | -0.92 dBm |
| Ref Level Att SGL Count 1Pk Max | 20.00 dBm 30 dB | Offset 2.3 | 39 dB 👄 | IVNT g 24 RBW 100 kHz | 37MHz Mode Au | ito Sweep | mission | | |
| Ref Level Att SGL Count 1Pk Max | 20.00 dBm 30 dB | Offset 2.3 | 39 dB 👄 | IVNT g 24 RBW 100 kHz | 37MHz Mode Au | ito Sweep | mission | | -0.92 dBm 2.4500 GHz |
| Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm | 20.00 dBm 30 dB | Offset 2.3 | 39 dB 👄 | IVNT g 24 RBW 100 kHz | 37MHz Mode Au | ito Sweep | mission | | -0.92 dBm .4500 GHz 50.67 dBm |
| Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm |) (| Offset 2.3 SWT 26 | 39 dB 👄 | IVNT g 24 RBW 100 kHz | 37MHz Mode Au | ito Sweep | mission | | -0.92 dBm .4500 GHz 50.67 dBm |
| Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm | 20.00 dBm 30 dB | Offset 2.3 SWT 26 | 39 dB 👄 | IVNT g 24 RBW 100 kHz | 37MHz Mode Au | ito Sweep | mission | | -0.92 dBm .4500 GHz 50.67 dBm |
| Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm |) (| Offset 2.3 SWT 26 | 39 dB 👄 | IVNT g 24 RBW 100 kHz | 37MHz Mode Au | ito Sweep | mission | | -0.92 dBm .4500 GHz 50.67 dBm |
| Main Main 10 dBm M1 0 dBm M1 -10 dBm -10 dBm -20 dBm -30 dBm |) (| Offset 2.3 SWT 26 | 39 dB 👄 | IVNT g 24 RBW 100 kHz | 37MHz Mode At | ito Sweep | mission | | -0.92 dBm .4500 GHz 50.67 dBm |
| Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm |) (| Offset 2.3 SWT 26 | 39 dB 👄 | IVNT g 24 RBW 100 kHz | 37MHz Mode At | ito Sweep | mission | | -0.92 dBm .4500 GHz 50.67 dBm |
| Main Main 10 dBm M1 0 dBm M1 -10 dBm -10 dBm -20 dBm -30 dBm | D1 -20.472 | dBm | 39 dB ● 55 ms ● | IVNT g 24 | Mode Au Mode Au M1 M2 | (1) (1) (1) (1) (1) | | | -0.92 dBm .4500 GHz 50.67 dBm .7061 GHz |
| Mathematical Count Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm | D1 -20.472 | dBm | 39 dB 🖷 | IVNT g 24 | Mode Au Mode Au M1 M2 | (1) (1) (1) (1) (1) | | | -0.92 dBm .4500 GHz 50.67 dBm |
| Mail Mail 10 dBm M1 0 dBm M1 -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm | D1 -20.472 | dBm | 39 dB ● 55 ms ● | IVNT g 24 | Mode Au Mode Au M1 M2 | (1) (1) (1) (1) (1) | | | -0.92 dBm .4500 GHz 50.67 dBm .7061 GHz |
| Mathematical Mathematical 10 dBm 10 dBm 10 dBm 10 dBm -10 dBm -10 dBm -30 dBm -30 dBm -30 dBm -30 dBm | D1 -20.472 | dBm | 39 dB ● 55 ms ● | IVNT g 24 | Mode Au Mode Au M1 M2 | (1) (1) (1) (1) (1) | | | -0.92 dBm .4500 GHz 50.67 dBm .7061 GHz |
| Mathematical SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm | D1 -20.472 | dBm | 39 dB ● 55 ms ● | IVNT g 24 | Mode Au Mode Au M11 M2 | (1) (1) (1) (1) (1) | | 2 - 16 | -0.92 dBm 2,4500 GHz 50.67 dBm 5.7061 GHz |
| Main Main 10 dBm M1 0 dBm M1 -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm | D1 -20.472 | dBm | 39 dB ● 55 ms ● | IVNT g 24 | Mode Au Mode Au M11 M2 | (1) (1) (1) (1) (1) | | 2 - 16 | -0.92 dBm .4500 GHz 50.67 dBm .7061 GHz |
| Marker Type | D1 -20.472 | dBm | 39 dB ● 55 ms ● | IVNT g 24 | Mode Au Mode Au M1 M2 http://www.wiki | ito Sweep [1] [1] [1] [1] | han a the second s | 2 - 16 | -0.92 dBm 2.4500 GHz 50.67 dBm 5.7061 GHz |
| Marker Type Ref | D1 -20.472 | Offset 2.3 SWT 26 dBm dBm | 39 dB ● 55 ms ● | IVNT g 24 | Mode Au Mode Au M1 M2 | ito Sweep [1] [1] [1] [1] | han a the second s | 2 | -0.92 dBm 2.4500 GHz 50.67 dBm 5.7061 GHz |
| Mathematical Count Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm Marker Type Ret M1 M2 | D1 -20.472 | dBm X-value 2.45 2.45 2.45 16.7061 | 39 dB) 55 ms) | IVNT g 24 | Mode Au Mode Au M11 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 | ito Sweep [1] [1] [1] [1] | han a the second s | 2 | -0.92 dBm 2.4500 GHz 50.67 dBm 5.7061 GHz |
| Marker Type Ref | D1 -20.472 | Offset 2.3 SWT 26 dBm dBm | 39 dB 55 ms 55 ms 55 ms 55 ms 55 ms 55 ms 55 ms 5 ms 5 ms 5 ms 5 ms 7 GHz 7 GHz 7 GHz 7 GHz 1 | IVNT g 24 | Mode Au Mode Au M11 M2 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M1 M2 M1 M1 M2 M1 M1 M2 M1 M1 M2 M1 M1 M1 M1 M2 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1 | ito Sweep [1] [1] [1] [1] | han a the second s | 2 | -0.92 dBm 2.4500 GHz 50.67 dBm 5.7061 GHz |







| Spectru | um | | | | | | | | |
|---|---|---|------------------|---|---|--|-----------------|---|--|
| Ref Lev Att | /el 20.00 dE 30 nt 100/100 | | | RBW 100 kH VBW 300 kH | | Auto FFT | | | |
| IPk Max | | | | | | | | | |
| | | | | | M | 1[1] | | | -1.23 dBm |
| 10 dBm— | | | | | | | | 2.41 | 64360 GHz |
| 20 000 | | | | | | | | | |
| 0 dBm | | | | | | M1 | | | |
| | | MANNANTAN | where where | Marthan and Marthan M | planen | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | and any the any | | |
| -10 dBm— | _ | | | | (| | | | |
| -20 dBm- | | A. | | | | | | 1. | |
| -20 08111- | Λ, | 4 | | | | | | No. | |
| -30 dBm- | J. | | | | | | | . M | |
| | N | | | | | | | h | Marca II |
| (Adove®M≚ | W V | | | | | | | <u> </u> | Nor wy |
| no de | | | | | | | | | |
| -50 dBm— | | | | | | | | | |
| -60 dBm- | | | | | | | | | |
| | | | | | | | | | |
| -70 dBm— | | | | | | | | | |
| | | | | | | | | | |
| CF 2.412 | 2 GHz | | | 1001 | pts | | | Span | 30.0 MHz |
| | | Tx. Spuri | ous N | NVNT n20 : | 2412MF |) Read | Emissior | א אוווי אווי | |
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| Spectru | | · | | | |] Pres | Emissior | אין | |
| - | um vel 20.00 dE 30 | Bm Offset 2 | .38 dB (| VVNT n20 2 | z | | | איז איז איז איז איז איז איז איז איז איז איז | |
| Ref Lev Att SGL Cour | /el 20.00 dE 30 nt 10/10 | Bm Offset 2 | .38 dB (| • RBW 100 kH | z | | | איז איז איז איז איז איז איז איז איז איז איז | |
| Ref Lev Att | /el 20.00 dE 30 nt 10/10 | Bm Offset 2 | .38 dB (| • RBW 100 kH | z z Mode / | Auto Sweep | | | |
| Ref Lev Att SGL Cour | /el 20.00 dE 30 nt 10/10 | Bm Offset 2 | .38 dB (| • RBW 100 kH | z Mode / M | Auto Sweep 1[1] | | | -1.58 dBm 2.4230 GHz |
| Ref Leve Att SGL Court 1Pk Max | /el 20.00 dE 30 nt 10/10 | Bm Offset 2 | .38 dB (| • RBW 100 kH | z Mode / M | Auto Sweep | | : | -1.58 dBm 2.4230 GHz 50.71 dBm |
| Ref Lev Att SGL Cour 1Pk Max 10 dBm- 0 dBm- | /el 20.00 dE 30 nt 10/10 | Bm Offset 2 | .38 dB (| • RBW 100 kH | z Mode / M | Auto Sweep 1[1] | | : | -1.58 dBm 2.4230 GHz |
| Ref Lev Att SGL Court 1Pk Max 10 dBm 0 dBm -10 dBm | vel 20.00 dt 30 nt 10/10 | Bm Offset 2 dB SWT 2 | .38 dB (| • RBW 100 kH | z Mode / M | Auto Sweep 1[1] | | : | -1.58 dBm 2.4230 GHz 50.71 dBm |
| Ref Lev Att SGL Court 1Pk Max 10 dBm 0 dBm -10 dBm | /el 20.00 dE 30 nt 10/10 | Bm Offset 2 dB SWT 2 | .38 dB (| • RBW 100 kH | z Mode / M | Auto Sweep 1[1] | | : | -1.58 dBm 2.4230 GHz 50.71 dBm |
| Ref Lev Att SGL Court 1Pk Max 10 dBm 0 dBm -10 dBm | vel 20.00 dt 30 nt 10/10 | Bm Offset 2 dB SWT 2 | .38 dB (| • RBW 100 kH | z Mode / M | Auto Sweep 1[1] | | : | -1.58 dBm 2.4230 GHz 50.71 dBm |
| Ref Lev Att SGL Cour 1Pk Max 10 dBm- 0 dBm- -10 dBm- -20 dBm- | vel 20.00 dt 30 nt 10/10 | Bm Offset 2 dB SWT 2 | .38 dB (| • RBW 100 kH | z Mode / M | Auto Sweep 1[1] | | : | -1.58 dBm 2.4230 GHz 50.71 dBm |
| Ref Lev Att SGL Cour 10 dBm— 10 dBm— -10 dBm— -20 dBm— -30 dBm— -40 dBm— | vel 20.00 df 30 nt 10/10 | 27 dBm | .38 dB (| • RBW 100 kH | z Mode / M | Auto Sweep 1[1] 2[1] | | : | -1.58 dBm 2.4230 GHz 50.71 dBm |
| Ref Leve Att SGL Course 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm | vel 20.00 df 30 nt 10/10 | 27 dBm | .38 dB (| RBW 100 kH VBW 300 kH | z Mode / M | Auto Sweep 1[1] 2[1] | | : | -1.58 dBm 2.4230 GHz 50.71 dBm |
| Ref Lev Att SGL Cour 10 dBm— 10 dBm— -10 dBm— -20 dBm— -30 dBm— -40 dBm— | vel 20.00 df 30 nt 10/10 | 27 dBm | | RBW 100 kH VBW 300 kH | z Mode / M | Auto Sweep 1[1] 2[1] | | : | -1.58 dBm 2.4230 GHz 50.71 dBm 7.6590 GHz |
| Ref Leve Att SGL Course 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm | vel 20.00 df 30 nt 10/10 | 27 dBm | | RBW 100 kH VBW 300 kH | z Mode / M | Auto Sweep 1[1] 2[1] | | : | -1.58 dBm 2.4230 GHz 50.71 dBm 7.6590 GHz |
| Ref Lev Att SGL Could 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm | rel 20.00 df 30 nt 10/10 | 27 dBm | | RBW 100 kH VBW 300 kH | z Mode / M | Auto Sweep 1[1] 2[1] | | 2 | -1.58 dBm 2.4230 GHz 50.71 dBm 7.6590 GHz |
| Ref Lev Att SGL Cour 10 dBm— 10 dBm— -10 dBm— -20 dBm— -30 dBm— -50 dBm— -50 dBm— | rel 20.00 df 30 nt 10/10 | 27 dBm | | RBW 100 kH VBW 300 kH | z Mode / M | Auto Sweep 1[1] 2[1] | | 2 | -1.58 dBm 2.4230 GHz 50.71 dBm 7.6590 GHz |
| Ref Lev Att SGL Court SGL Court 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 30. Marker Type | vel 20,00 df 30 nt 10/10 | Am Offset 2 dB SWT 2 27 dBm 13 M4 13 M4 14 M4 X-value | | RBW 100 kH VBW 300 kH | z Mode / M M M m m m m m m m m m m m m m m m m | Auto Sweep 1[1] 2[1] | | 2 | |
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| Ref Lev Att SGL Court SGL Court 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm | vel 20.00 df 30 nt 10/10 01 -21.22 01 -21.22 0 0.0 MHz Ref Trc 1 1 1 1 | Bit Offset 2 dB SWT dB SWT 27 dBm 12 Max 13 Max 14 Max 15 Max 16 SWT 17 GBm 27 Max 18 Max 19 Max 12 Max 13 Max 14 Max 17 GB 17.61 4.920 | | RBW 100 kH VBW 300 kH VBW 300 kH U | z z Mode / M س س pts Func m m m | Auto Sweep 1[1] 2[1] | | : 1 پاسرالیمین ^ر ایدرمیر Stop | |
| Ref Lev Att SGL Course 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm 50 dBm -70 dBm Marker Type Is M1 M2 | rel 20.00 df 30 nt 10/10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Bim Offset 2 dB SWT 2 27 dBm 27 dBm 33 jiii 34 jiiii 34 jiiiii 34 jiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii | .38 dB (265 ms (| RBW 100 kH VBW 300 kH V | z Mode / / ///////////////////////////////// | Auto Sweep 1[1] 2[1] | | : 1 پاسرالیمین ^ر ایدرمیر Stop | |



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| Att | 30 dE | | | VBW 300 kHz | | uto FFT | | | | |
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| -60 dBm— | | | | | | | | | | |
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| -70 dBm— | | | | | | | | | | |
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| CF 2.437 (| GHz | · · · · · | | 1001 | pts | | 1 | Spa | n 30.0 MHz | |
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| | | Tx Souric | us N' | VNT n20 2 | 2437MH | Rear z Ant1 | Emission | | | _ |
| 2 | | Tx. Spuric | bus N' | VNT n20 2 | 2437MH | Pear z Ant1 | Emissior | ווווו איז | | _ |
| Spectrur | n | • | | | | Rear z Ant1 | emissior | ייי ט ו | | _ |
| Ref Leve | n I 20.00 dBn | n Offset 2.3 | 39 dB 👄 | RBW 100 kHz | | | | ייייייייייייייייייייייייייייייייייייי | | _ |
| - | n I 20.00 dBn 30 dB | n Offset 2.3 | 39 dB 👄 | | | Read Z Ant1 | | <u>וווווווווווווווווווווווווווווווווווו</u> | | _ |
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| Ref Leve Att SGL Count 1Pk Max | n I 20.00 dBn 30 dB | n Offset 2.3 | 39 dB 👄 | RBW 100 kHz | Mode A | | | וווווווווווווווווווווווווווווווווווווו | 1.35 dBm | _ |
| Ref Leve Att SGL Count | n 20.00 dBn 30 dE 10/10 | n Offset 2.3 | 39 dB 👄 | RBW 100 kHz | Mode A | uto Sweep [1] | | | | _ |
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| Ref Leve Att SGL Count 1Pk Max 10 dBm -10 dBm -10 dBm | n 20.00 dBn 30 dE 10/10 | n Offset 2.3 3 SWT 26 | 39 dB 👄 | RBW 100 kHz | Mode A | uto Sweep [1] | | | 1.35 dBm 2.4230 GHz -50.69 dBm | _ |
| Ref Leve Att SGL Count 1Pk Max 10 dBm -10 dBm -10 dBm | n 30 dBn 30 dE : 10/10 | n Offset 2.3 3 SWT 26 | 39 dB 👄 | RBW 100 kHz | Mode A | uto Sweep [1] | | | 1.35 dBm 2.4230 GHz -50.69 dBm | _ |
| Ref Leve Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm | n 30 dBn 30 dE : 10/10 | n Offset 2.3 3 SWT 26 | 39 dB 👄 | RBW 100 kHz | Mode A | uto Sweep [1] | | | 1.35 dBm 2.4230 GHz -50.69 dBm | _ |
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| Ref Leve Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm | n 30 dB 30 dE : 10/10 | dBm | 39 dB 🖷 | RBW 100 kHz | Mode A | uto Sweep [1] [1] | | 1 | 1.35 dBm 2.4230 GHz -50.69 dBm 6.3355 GHz | |
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| Ref Leve Att SGL Count SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm | n 30 dE 30 dE 10/10 | dBm | 39 dB 🖷 | RBW 100 kHz VBW 300 kHz | Mode A | uto Sweep [1] [1] [1] [1] | | L Marken | 1.35 dBm 2.4230 GHz -50.69 dBm 6.3355 GHz | |
| Ref Leve Att SGL Count SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 30.0 Marker Type Re | n 30 dE 30 dE 10/10 D1 -20.499 MD Aur#utuMMutum MHz | dBm | 39 dB ● 55 ms ● 1/15 | RBW 100 kHz VBW 300 kHz | Mode A M1 M2 | uto Sweep [1] [1] [1] [1] | allarity roll in second | L Marken | 1.35 dBm 2.4230 GHz -50.69 dBm 6.3355 GHz | |
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| Ref Leve Att SGL Count IO dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 30.0 Marker Type M1 M2 | n 30 df 1 20.00 dBn 30 df 1 10/10 | dBm K-value 2.422 16.3355 | 139 dB 55 ms 55 ms 155 m | RBW 100 kHz VBW 300 kHz | Mode A | uto Sweep [1] [1] [1] [1] | allarity roll in second | J Jun Markark Sto | 1.35 dBm 2.4230 GHz -50.69 dBm 6.3355 GHz | |



| SGL Co | evel | 20.00 dB 30 d 100/100 | | | RBW 100 kH VBW 300 kH | | Auto FFT | | | | |
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| Spect Ref L Att SGL Co | rum evel | 20.00 dB 30 d | m Offset 2 | 2.40 dB 👄 | VNT n20 | 2462MH | | | | | |
| Spect Ref L | rum evel | 20.00 dB 30 d | m Offset 2 | 2.40 dB 👄 | VNT n20 | 2462MF ¹² ¹² Mode | Auto Sweep | | | | |
| Spect Ref L Att SGL Co | rum evel | 20.00 dB 30 d | m Offset 2 | 2.40 dB 👄 | VNT n20 | 2462MH | Auto Sweep | | | 0.39 dBm 2.4500 GHz | |
| Spect Ref Li Att SGL Cc P1Pk M 10 dBm | rum evel | 20.00 dB 30 d | m Offset 2 | 2.40 dB 👄 | VNT n20 | 2462MH | Auto Sweep | | n | 0.39 dBm 2.4500 GHz -50.69 dBm | |
| Spect RefL SGL Cc PIPk M 10 dBm 0 dBm- | rum evel ount ax | 20.00 dB 30 d | m Offset 2 | 2.40 dB 👄 | VNT n20 | 2462MH | Auto Sweep | | n | 0.39 dBm 2.4500 GHz | |
| Spect RefL SGL Cc IPk M 10 dBm 0 dBm- | rum evel ount ax | 20.00 dB 30 d | m Offset 2 | 2.40 dB 👄 | VNT n20 | 2462MH | Auto Sweep | | n | 0.39 dBm 2.4500 GHz -50.69 dBm | |
| Spect RefL SGL Cc PIPk M 10 dBm 0 dBm- | rum evel ount ax | 20.00 dB 30 d | m Offset 2 B SWT 2 | 2.40 dB 👄 | VNT n20 | 2462MH | Auto Sweep | | n | 0.39 dBm 2.4500 GHz -50.69 dBm | |
| Spect RefL SGL Cc IPk M 10 dBm 0 dBm- | M1 | 20.00 dB 30 c 10/10 | m Offset 2 B SWT 2 | 2.40 dB 👄 | VNT n20 | 2462MH | Auto Sweep | | n | 0.39 dBm 2.4500 GHz -50.69 dBm | |
| Spect Ref Li Att SGL Cc 1Pk M 10 dBm 0 dBm- -10 dBm | rum evel ount ax | 20.00 dB 30 c 10/10 | m Offset 2 B SWT 2 | 2.40 dB 👄 | VNT n20 | 2462MH | Auto Sweep | | n | 0.39 dBm 2.4500 GHz -50.69 dBm | |
| Spect Ref Li Att SGL Cc 10 dBm 0 dBm- -10 dBm -20 dBm -30 dBm | M1 | 20.00 dB 30 c 10/10 | m Offset 2 B SWT 2 3 dBm | 2.40 dB 👄 | VNT n20 | 2462MH | Auto Sweep | M2 | n | 0.39 dBm 2.4500 GHz -50.69 dBm | |
| Spect Ref Li Att SGL Cc 1Pk M 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm | rum evel ax | 20.00 dB 30 c 10/10 | m Offset 2 B SWT 2 | 2.40 dB • | VNT n20 | 2462MH | Auto Sweep | M2 | n | 0.39 dBm 2.4500 GHz -50.69 dBm | |
| Spect Ref L SGL Cc IPk M O dBm- -10 dBm- -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm | | 20.00 dB 30 c 10/10 | m Offset 2 B SWT 2 3 dBm | 2.40 dB • | VNT n20 RBW 100 kH VBW 300 kH | 2462MH | Auto Sweep | M2 | n | 0.39 dBm 2.4500 GHz -50.69 dBm | |
| Spect Ref L SGL CC 1Pk M 10 dBm- 10 dBm- -10 dBm- -20 dBm -30 dBm -40 dBm | | 20.00 dB 30 c 10/10 | m Offset 2 B SWT 2 3 dBm | 2.40 dB • | VNT n20 RBW 100 kH VBW 300 kH | 2462MH | Auto Sweep | M2 | n | 0.39 dBm 2.4500 GHz -50.69 dBm | |
| Spect Ref L SGL CC PIPK M 10 dBm- -10 dBm- -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dBm Start 3 | rum evel ax | 20.00 dB 30 c 10/10 D1 -20.46 | m Offset 2 B SWT 2 3 dBm | 2.40 dB • | VNT n20 RBW 100 kH VBW 300 kH | 2462MH | Auto Sweep | M2 | | 0.39 dBm 2.4500 GHz -50.69 dBm | |
| Spect Ref L SGL CC 1Pk M 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -50 dBm -70 dBm Start 3 Marker | Mi mi mi mi mi mi mi mi mi mi mi mi mi mi | 20.00 dB 30 c 10/10 D1 -20.46 | m Offset 2 B SWT 2 | 2.40 dB | VNT n20 | 2462MH | Auto Sweep | M2 | | 0.39 dBm 2.4500 GHz -50.69 dBm 19.4060 GHz | |
| Spect Ref L SGL CC SGL CC IPk M 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 3 Marker Type M1 | Mi mi mi mi mi mi mi mi mi mi mi mi mi mi | 20.00 dB 30 c 10/10 01 -20.46 | m Offset 2 B SWT 2 SWT 2 B SWT 2 SWT 2 SWT 2 SWT 2 SWT 2 SWT 2 SWT 2 SWT 2 SWT 2 SWT 2 | 2.40 dB 265 ms | VNT n20 RBW 100 kH VBW 300 kH | 2462MH | Auto Sweep | M2 | | 0.39 dBm 2.4500 GHz -50.69 dBm 19.4060 GHz | |
| Spect Ref L SGL CC PIPK M 10 dBm- -10 dBm- -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -50 dBm -50 dBm -50 dBm -50 dBm -70 dBm Start 3 Marker Type M1 M2 | Mi mi mi mi mi mi mi mi mi mi mi mi mi mi | 20.00 dB 30 c 10/10 01 -20.46 MHz MHz | m Offset 2 B SWT 2 3 dBm 3 dBm 4 mm 4 | 2.40 dB 265 ms | VNT n20 RBW 100 kH VBW 300 kH U | 2462MF | Auto Sweep | M2 | | 0.39 dBm 2.4500 GHz -50.69 dBm 19.4060 GHz | |
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END OF REPORT