

FCC RADIO TEST REPORT FCC ID: ZSW-30-110

| Product: | Mobile Phone |
|---------------|-----------------|
| Trade Mark: | Bmobile |
| Model No.: | BL50 |
| Family Model: | N/A |
| Report No.: | S21041200602003 |
| Issue Date: | Apr. 25, 2021 |

Prepared for

b mobile HK Limited

Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung;New Territories; Hong Kong.

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.

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1 TEST RESULT CERTIFICATION

| Applicant's name: | b mobile HK Limited |
|------------------------------|--|
| Address: | Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung;New Territories; Hong Kong. |
| Manufacturer's Name: | b mobile HK Limited |
| Address: | Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung;New Territories; Hong Kong. |
| Product description | |
| Product name: | Mobile Phone |
| Model and/or type reference: | BL50 |
| Family Model | N/A |
| | |

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 | Complied | |
| ANSI C63.10-2013 | Complied | |
| 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.

| Date of Test | : Apr.12,2021 ~ Apr. 25,2021 |
|----------------------|------------------------------|
| | Know . Hu |
| Testing Engineer | |
| | (Mary Hu) |
| Technical Manager | Jasonchen |
| C C | (Jason Chen) |
| Authorized Signatory | Ales |
| Authorized Signatory | :(Alex Li) |

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2 SUMMARY OF TEST RESULTS

| SUMMART OF TE | | | | | | |
|---|--------------------------------|------|--|--|--|--|
| 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.

2. 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 1/F, Building E, Fenda Science Park Sanwei, Xixiang, Bao'an District Shenzhen, Guangdong, 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 |
| | |
| | : Shenzhen NTEK Testing Technology Co., Ltd. |
| Site Location | : 1/F, Building E, Fenda Science Park Sanwei, Xixiang, Bao'an District |
| | Shenzhen, Guangdong, 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 | ±1.38dB | |
| 2 | RF power, conducted | ±0.16dB | |
| 3 | Spurious emissions, conducted | ±0.21dB | |
| 4 | All emissions, radiated(<1G) | ±4.68dB | |
| 5 | All emissions, radiated(>1G) | ±4.89dB | |
| 6 | Temperature | ±0.5°C | |
| 7 | Humidity | ±2% | |

4 GENERAL DESCRIPTION OF EUT

| | Product Feature and Specification | | |
|---------------------|--|--|--|
| Equipment | Mobile Phone | | |
| Trade Mark | Bmobile | | |
| FCC ID | ZSW-30-110 | | |
| Model No. | BL50 | | |
| 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 | 0.9 dBi | | |
| Power supply | DC 3.7V/ 2000mAh from battery or DC 5V from Adapter. | | |
| Adapter | Input: 100-240V~50-60Hz 0.2A Output: 5.0V1A | | |
| HW Version | Bmobile_BL50_HW_V1.0 | | |
| SW Version | Bmobile_BL50_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.



| Revision History | | | | |
|------------------|---------|-------------------------|---------------|--|
| Report No. | Version | Description | Issued Date | |
| S21041200602003 | Rev.01 | Initial issue of report | Apr. 25, 2021 | |
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5 DESCRIPTION OF TEST MODES

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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.

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.



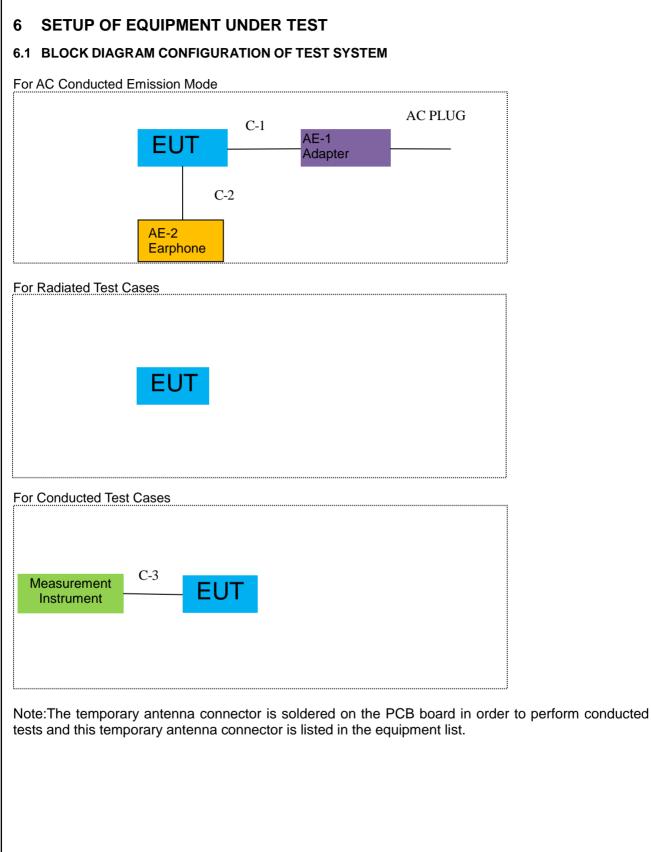


| Test Items | Mode | Data Rate | Channel | Ant |
|--------------------------------------|-------------|-----------|---------|-----|
| AC Power Line Conducted Emissions | Normal Link | - | - | - |
| | 11b/CCK | 1 Mbps | 1/6/11 | 1 |
| Maximum Conducted Output Power | 11g/BPSK | 6 Mbps | 1/6/11 | 1 |
| Powei | 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 |
| i ower opeeral beholdy | 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 | | 4. Milana | 4/0/44 | 4 |
| 1GHz | 11b/CCK | 1 Mbps | 1/6/11 | 1 |
| 10112 | 11g/BPSK | 6 Mbps | 1/6/11 | 1 |
| | 11n HT20 | MCS0 | 1/6/11 | 1 |
| | | | | |
| 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 |

ACCREDITED

Certificate #4298.01







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 |
|------|-----------|----------------|------------|-------------|
| 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

| | | estequipment | | | | | |
|------|---|-----------------|-----------------|-------------------|------------------|---------------------|---------------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until | Calibrati on period |
| 1 | Spectrum Analyzer | Aglient | E4407B | MY45108040 | 2020.05.11 | 2021.05.10 | 1 year |
| 2 | Spectrum Analyzer | Agilent | N9020A | MY49100060 | 2020.07.13 | 2021.07.12 | 1 year |
| 3 | Spectrum Analyzer | R&S | FSV40 | 101417 | 2020.07.13 | 2021.07.12 | 1 year |
| 4 | Test Receiver | R&S | ESPI7 | 101318 | 2020.05.11 | 2021.05.10 | 1 year |
| 5 | Bilog Antenna | TESEQ | CBL6111D | 31216 | 2020.05.11 | 2021.05.10 | 1 year |
| 6 | 50Ω Coaxial Switch | Anritsu | MP59B | 6200983705 | 2020.05.11 | 2023.05.10 | 3 year |
| 7 | Horn Antenna | EM | EM-AH-1018 0 | 2011071402 | 2020.05.11 | 2021.05.10 | 1 year |
| 8 | Broadband Horn Antenna | SCHWARZBE CK | BBHA 9170 | 803 | 2020.05.11 | 2021.05.10 | 1 year |
| 9 | Amplifier | EMC | EMC051835 SE | 980246 | 2020.07.13 | 2021.07.12 | 1 year |
| 10 | Active Loop Antenna | SCHWARZBE CK | FMZB 1519 B | 055 | 2020.05.11 | 2021.05.10 | 1 year |
| 11 | Power Meter | DARE | RPR3006W | 15I00041SN 084 | 2020.07.13 | 2021.07.12 | 1 year |
| 12 | Test Cable (9KHz-30MHz) | N/A | R-01 | N/A | 2019.08.06 | 2022.08.05 | 3 year |
| 13 | Test Cable (30MHz-1GHz) | N/A | R-02 | N/A | 2019.08.06 | 2022.08.05 | 3 year |
| 14 | High Test Cable(1G-40G Hz) | N/A | R-03 | N/A | 2019.06.28 | 2022.06.27 | 3 year |
| 15 | High Test Cable(1G-40G Hz) | N/A | R-04 | N/A | 2020.05.11 | 2021.05.10 | 1 year |
| 16 | Filter | TRILTHIC | 2400MHz | 29 | 2020.07.13 | 2021.07.12 | 1 year |
| 17 | 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



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| AC Co | AC Conduction Test equipment | | | | | | |
|-------|--------------------------------|-----------------|-----------|------------|------------------|---------------------|--------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until | Calibration period |
| 1 | Test Receiver | R&S | ESCI | 101160 | 2020.05.11 | 2021.05.10 | 1 year |
| 2 | LISN | R&S | ENV216 | 101313 | 2020.05.11 | 2021.05.10 | 1 year |
| 3 | LISN | SCHWARZBE CK | NNLK 8129 | 8129245 | 2020.05.11 | 2021.05.10 | 1 year |
| 4 | 50Ω Coaxial Switch | ANRITSU CORP | MP59B | 6200983704 | 2020.05.11 | 2023.05.10 | 3 year |
| 5 | Test Cable (9KHz-30MH z) | N/A | C01 | N/A | 2020.05.11 | 2023.05.10 | 3 year |
| 6 | Test Cable (9KHz-30MH z) | N/A | C02 | N/A | 2020.05.11 | 2023.05.10 | 3 year |
| 7 | Test Cable (9KHz-30MH z) | N/A | C03 | N/A | 2020.05.11 | 2021.05.10 | 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.

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

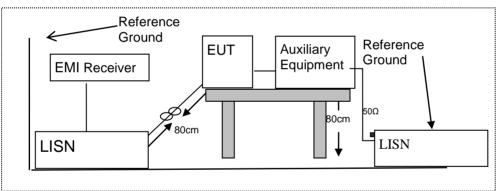
2. The lower limit shall apply at the transition frequencies

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.
- 3. 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

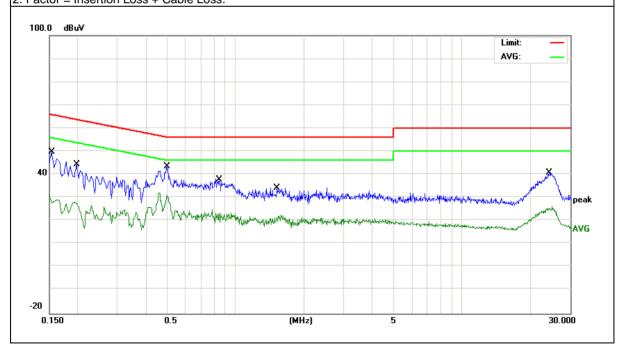
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| EUT: | Mobile Phone | Model Name : | BL50 |
|----------------|---------------------------------|--------------------|-------------|
| Temperature: | 23 ℃ | Relative Humidity: | 40% |
| Pressure: | 1010hPa | Phase : | L |
| Test Voltage : | DC 5V from Adapter AC 120V/60Hz | Test Mode: | Normal Link |

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Demeria |
|-----------|---------------|----------------|--------------|--------|--------|---------|
| (MHz) | (dBµV) | (dB) | (dBµV) | (dBµV) | (dB) | Remark |
| 0.1539 | 40.22 | 9.56 | 49.78 | 65.78 | -16.00 | QP |
| 0.1539 | 21.46 | 9.56 | 31.02 | 55.78 | -24.76 | AVG |
| 0.1980 | 34.92 | 9.55 | 44.47 | 63.69 | -19.22 | QP |
| 0.1980 | 18.45 | 9.55 | 28.00 | 53.69 | -25.69 | AVG |
| 0.4980 | 34.04 | 9.55 | 43.59 | 56.03 | -12.44 | QP |
| 0.4980 | 22.51 | 9.55 | 32.06 | 46.03 | -13.97 | AVG |
| 0.8460 | 28.23 | 9.55 | 37.78 | 56.00 | -18.22 | QP |
| 0.8460 | 15.19 | 9.55 | 24.74 | 46.00 | -21.26 | AVG |
| 1.5260 | 24.56 | 9.58 | 34.14 | 56.00 | -21.86 | QP |
| 1.5260 | 12.99 | 9.58 | 22.57 | 46.00 | -23.43 | AVG |
| 24.2020 | 30.82 | 9.94 | 40.76 | 60.00 | -19.24 | QP |
| 24.2020 | 16.41 | 9.94 | 26.35 | 50.00 | -23.65 | AVG |

Remark:

All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.





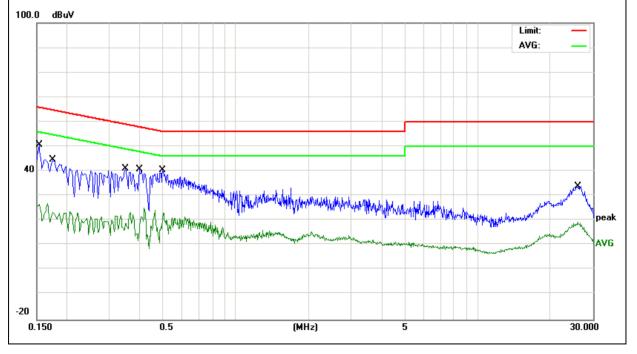
| EUT: | Mobile Phone | Model Name : | BL50 |
|----------------|---------------------------------|--------------------|-------------|
| Temperature: | 23 °C | Relative Humidity: | 40% |
| Pressure: | 1010hPa | Phase : | Ν |
| Test Voltage : | DC 5V from Adapter AC 120V/60Hz | Test Mode: | Normal Link |

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Remark |
|-----------|---------------|----------------|--------------|--------|--------|--------|
| (MHz) | (dBµV) | (dB) | (dBµV) | (dBµV) | (dB) | Remark |
| 0.1539 | 40.97 | 9.55 | 50.52 | 65.78 | -15.26 | QP |
| 0.1539 | 17.03 | 9.55 | 26.58 | 55.78 | -29.20 | AVG |
| 0.1740 | 13.84 | 9.55 | 23.39 | 54.76 | -31.37 | AVG |
| 0.1749 | 34.81 | 9.54 | 44.35 | 64.72 | -20.37 | QP |
| 0.3500 | 31.55 | 9.53 | 41.08 | 58.96 | -17.88 | QP |
| 0.3500 | 13.89 | 9.53 | 23.42 | 48.96 | -25.54 | AVG |
| 0.3980 | 31.28 | 9.54 | 40.82 | 57.89 | -17.07 | QP |
| 0.3980 | 15.51 | 9.54 | 25.05 | 47.89 | -22.84 | AVG |
| 0.4980 | 30.85 | 9.54 | 40.39 | 56.03 | -15.64 | QP |
| 0.4980 | 13.60 | 9.54 | 23.14 | 46.03 | -22.89 | AVG |
| 26.0100 | 23.91 | 9.91 | 33.82 | 60.00 | -26.18 | QP |
| 26.0100 | 9.68 | 9.91 | 19.59 | 50.00 | -30.41 | 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

| According to 1 00 1 art 15:200, Restricted bands | | | | |
|--|---------------------|---------------|-------------|--|
| MHz | MHz | MHz | GHz | |
| 0.090-0.110 | 16.42-16.423 | 399.9-410 | 4.5-5.15 | |
| 0.495-0.505 | 16.69475-16.69525 | 608-614 | 5.35-5.46 | |
| 2.1735-2.1905 | 16.80425-16.80475 | 960-1240 | 7.25-7.75 | |
| 4.125-4.128 | 25.5-25.67 | 1300-1427 | 8.025-8.5 | |
| 4.17725-4.17775 | 37.5-38.25 | 1435-1626.5 | 9.0-9.2 | |
| 4.20725-4.20775 | 73-74.6 | 1645.5-1646.5 | 9.3-9.5 | |
| 6.215-6.218 | 74.8-75.2 | 1660-1710 | 10.6-12.7 | |
| 6.26775-6.26825 | 123-138 | 2200-2300 | 14.47-14.5 | |
| 8.291-8.294 | 149.9-150.05 | 2310-2390 | 15.35-16.2 | |
| 8.362-8.366 | 156.52475-156.52525 | 2483.5-2500 | 17.7-21.4 | |
| 8.37625-8.38675 | 156.7-156.9 | 2690-2900 | 22.01-23.12 | |
| 8.41425-8.41475 | 162.0125-167.17 | 3260-3267 | 23.6-24.0 | |
| 12.29-12.293 | 167.72-173.2 | 3332-3339 | 31.2-31.8 | |
| 12.51975-12.52025 | 240-285 | 3345.8-3358 | 36.43-36.5 | |
| 12.57675-12.57725 | 322-335.4 | 3600-4400 | (2) | |
| 13.36-13.41 | | | | |

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) | | |
|-----------------|--------------------------|---------|--|
| Trequency(imrz) | 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);

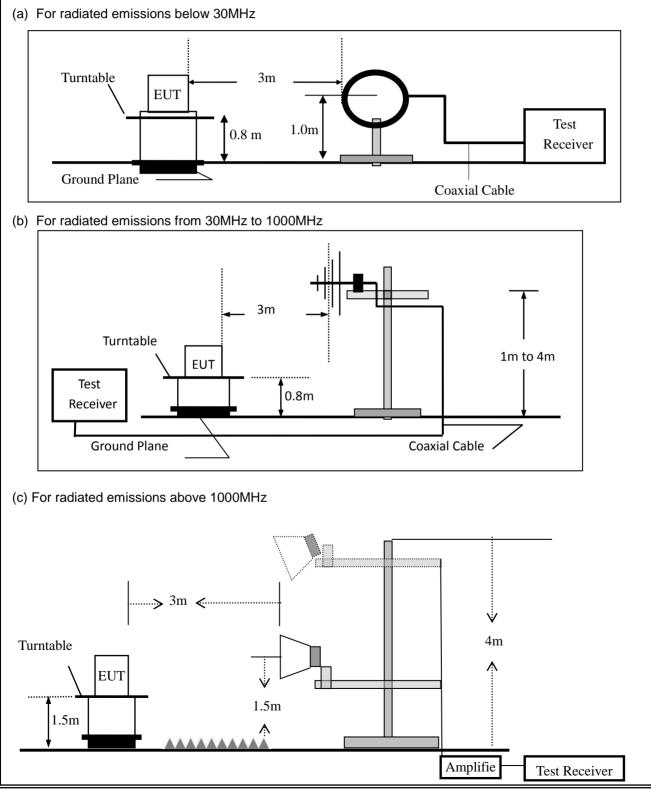
Limit line=Specific limits(dBuV) + distance extrapolation factor.



7.2.3 Measuring Instruments

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

7.2.4 Test Configuration





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:

| Spectrum Parameter | Setting |
|---------------------------------------|--|
| Attenuation | Auto |
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RB / VB (emission in restricted band) | 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

■ Spurious Emission below 30MHz (9KHz to 30MHz)

| EUT: | Mobile Phone | N | /odel No.: | BL50 |
|--------------|-------------------|---|--------------------|---------|
| Temperature: | 20 ℃ | R | Relative Humidity: | 48% |
| Test Mode: | 802.11b/g/n(HT20) | Т | est By: | Mary Hu |

| Freq. | Ant.Pol. | Emission L | .evel(dBuV/m) | Limit 3 | m(dBuV/m) | Ove | r(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 : | BL50 |
|----------------|--------------|--------------------|-------------|
| Temperature: | 26 ℃ | Relative Humidity: | 53% |
| Pressure: | 1010hPa | Test Mode: | Normal Link |
| Test Voltage : | DC 3.7V | | |

| Polar | Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Remark |
|-------|-----------|------------------|--------|-------------------|----------|--------|--------|
| (H/V) | (MHz) | (dBuV) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | |
| V | 30.1054 | 11.80 | 18.78 | 30.58 | 40.00 | -9.42 | QP |
| V | 90.2205 | 20.93 | 9.76 | 30.69 | 43.50 | -12.81 | QP |
| V | 130.8369 | 13.63 | 12.55 | 26.18 | 43.50 | -17.32 | QP |
| V | 225.3080 | 15.06 | 10.87 | 25.93 | 46.00 | -20.07 | QP |
| V | 790.6187 | 6.89 | 25.18 | 32.07 | 46.00 | -13.93 | QP |
| V | 958.7943 | 6.74 | 28.41 | 35.15 | 46.00 | -10.85 | QP |

Remark:



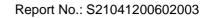




Report No.: S21041200602003

| (H/V) (MHz) (dBuV) (dB) (dBuV/m) (dBuV/m) (dB) (dBuV/m) (dB) (dB) (dBuV/m) (dB) (dB) (dBuV/m) (dB) < | Polar | Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Domori |
|---|----------|-----------|------------------|--------|--------------------|----------|--|------------|
| H 90.2205 18.68 9.76 28.44 43.50 -15.06 QP H 261.9753 8.64 14.74 23.38 46.00 -22.62 QP H 731.9202 6.89 25.17 32.06 46.00 -13.94 QP H 854.0247 7.00 26.13 33.13 46.00 -12.87 QP H 932.2714 7.91 27.82 35.73 46.00 -10.27 QP Remark: Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit 72.0 dBuV/m 46.00 -10.27 QP 32 dBuV/m 0 0 -10.27 QP -10.27 QP Remark: Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit -10.27 QP -10.27 -10.27 QP -10.27 -10. | (H/V) | (MHz) | - | (dB) | | (dBuV/m) | (dB) | Remark |
| H 261.9753 8.64 14.74 23.38 46.00 -22.62 QP H 731.9202 6.89 25.17 32.06 46.00 -13.94 QP H 854.0247 7.00 26.13 33.13 46.00 -12.87 QP H 932.2714 7.91 27.82 35.73 46.00 -10.27 QP Remark: Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit 72.0 dBuV/m Margin: - 32 dBuV/m - < | Н | 40.4172 | 6.58 | 13.77 | 20.35 | 40.00 | -19.65 | QP |
| H 731.9202 6.89 25.17 32.06 46.00 -13.94 QP H 854.0247 7.00 26.13 33.13 46.00 -12.87 QP H 932.2714 7.91 27.82 35.73 46.00 -10.27 QP Remark: Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit 72.0 dBuV/m | Н | 90.2205 | 18.68 | 9.76 | 28.44 | 43.50 | -15.06 | QP |
| H 854.0247 7.00 26.13 33.13 46.00 -12.87 QP H 932.2714 7.91 27.82 35.73 46.00 -10.27 QP Remark: Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit 72.0 dBuV/m dBuV/m dBuV/m data data< | Н | 261.9753 | 8.64 | 14.74 | 23.38 | 46.00 | -22.62 | QP |
| H 932.2714 7.91 27.82 35.73 46.00 -10.27 QP Remark: Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit Imit: Imit: | Н | 731.9202 | 6.89 | 25.17 | 32.06 | 46.00 | -13.94 | QP |
| Remark: Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit 72.0 dBuV/m | Н | 854.0247 | 7.00 | 26.13 | 33.13 | 46.00 | -12.87 | QP |
| Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit 72.0 dBuV/m | Н | 932.2714 | 7.91 | 27.82 | 35.73 | 46.00 | -10.27 | QP |
| | 72.0 dBu | W/m | | | | | | |
| | | | | | | | and the second | xan Xan |
| | 8 | | | | annad Aller Indone | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |





| ■ Spuriou | s Emissio | n Above | 1GHz (1Gl | Hz to 25G | , | | | | |
|--------------------|---------------|---------------|-------------------|------------------|------------------------|--------------|------------|--------|------------|
| EUT: Mobile Phone | | | | Mod | el No.: | BL5 | 0 | | |
| Temperature: 20 °C | | | | Rela | Relative Humidity: 48% | | | | |
| Test Mode: | | 802.11b | /g/n(HT20) |) | Tes | : By: | Mar | y Hu | |
| All the modu | ulation mo | des have | been teste | ed, and the | e worst res | ult was repo | rt as belo | W: | |
| Frequency | Read Level | Cable loss | Antenna Factor | Preamp Factor | Emission Level | Limits | Margin | Remark | Comment |
| (MHz) | (dBµV) | (dB) | dB/m | (dB) | (dBµV/m) | (dBµV/m) | (dB) | | |
| | | - | Low Char | nnel (2412 l | MHz)(802.1 | b)Above 10 | G | | |
| 4824.60 | 68.22 | 5.21 | 35.59 | 44.30 | 64.72 | 74.00 | -9.28 | Pk | Vertical |
| 4824.60 | 50.08 | 5.21 | 35.59 | 44.30 | 46.58 | 54.00 | -7.42 | AV | Vertical |
| 7326.59 | 69.57 | 6.48 | 36.27 | 44.60 | 67.72 | 74.00 | -6.28 | Pk | Vertical |
| 7326.59 | 50.77 | 6.48 | 36.27 | 44.60 | 48.92 | 54.00 | -5.08 | AV | Vertical |
| 4824.67 | 69.01 | 5.21 | 35.55 | 44.30 | 65.47 | 74.00 | -8.53 | Pk | Horizontal |
| 4824.67 | 50.75 | 5.21 | 35.55 | 44.30 | 47.21 | 54.00 | -6.79 | AV | Horizontal |
| 7326.64 | 68.42 | 6.48 | 36.27 | 44.52 | 66.65 | 74.00 | -7.35 | Pk | Horizontal |
| 7326.64 | 49.05 | 6.48 | 36.27 | 44.52 | 47.28 | 54.00 | -6.72 | AV | Horizontal |
| | | | Middle Cha | annel (2437 | ′ MHz)(802.′ | 1b)Above 1 | IG | 1 | |
| 4874.49 | 70.72 | 5.21 | 35.66 | 44.20 | 67.39 | 74.00 | -6.61 | Pk | Vertical |
| 4874.49 | 48.51 | 5.21 | 35.66 | 44.20 | 45.18 | 54.00 | -8.82 | AV | Vertical |
| 7311.25 | 68.92 | 7.10 | 36.50 | 44.43 | 68.09 | 74.00 | -5.91 | Pk | Vertical |
| 7311.25 | 47.48 | 7.10 | 36.50 | 44.43 | 46.65 | 54.00 | -7.35 | AV | Vertical |
| 4874.64 | 69.41 | 5.21 | 35.66 | 44.20 | 66.08 | 74.00 | -7.92 | Pk | Horizontal |
| 4874.64 | 50.15 | 5.21 | 35.66 | 44.20 | 46.82 | 54.00 | -7.18 | AV | Horizontal |
| 7311.06 | 68.21 | 7.10 | 36.50 | 44.43 | 67.38 | 74.00 | -6.62 | Pk | Horizontal |
| 7311.06 | 48.82 | 7.10 | 36.50 | 44.43 | 47.99 | 54.00 | -6.01 | AV | Horizontal |
| | | T | High Cha | nnel (2462 | MHz)(802.1 | 1b)Above 1 | G | 1 | |
| 4924.52 | 70.38 | 5.21 | 35.52 | 44.21 | 66.90 | 74.00 | -7.10 | Pk | Vertical |
| 4924.52 | 50.17 | 5.21 | 35.52 | 44.21 | 46.69 | 54.00 | -7.31 | AV | Vertical |
| 7386.95 | 69.61 | 7.10 | 36.53 | 44.60 | 68.64 | 74.00 | -5.36 | Pk | Vertical |
| 7386.95 | 48.48 | 7.10 | 36.53 | 44.60 | 47.51 | 54.00 | -6.49 | AV | Vertical |
| 4924.47 | 68.88 | 5.21 | 35.52 | 44.21 | 65.40 | 74.00 | -8.60 | Pk | Horizontal |
| 4924.47 | 47.01 | 5.21 | 35.52 | 44.21 | 43.53 | 54.00 | -10.47 | AV | Horizontal |
| 7386.15 | 69.85 | 7.10 | 36.53 | 44.60 | 68.88 | 74.00 | -5.12 | Pk | Horizontal |
| 7386.15 | 47.93 | 7.10 | 36.53 | 44.60 | 46.96 | 54.00 | -7.04 | AV | Horizontal |

ACCREDITED

Certificate #4298.01

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.: S21041200602003

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

| <u>I the modula</u> | tion mode | <u>s have b</u> | peen teste | d, and the | worst resu | ilt was repo | rt as belo | OW: | |
|---------------------|------------------|-----------------|-------------------|------------------|-------------------|--------------|------------|----------|------------|
| 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 | |
| | | | | 80 | 02.11b | | | | |
| 2310.00 | 70.91 | 2.97 | 27.80 | 43.80 | 57.88 | 74 | -16.12 | Pk | Horizontal |
| 2310.00 | 50.07 | 2.97 | 27.80 | 43.80 | 37.04 | 54 | -16.96 | AV | Horizontal |
| 2310.00 | 69.71 | 2.97 | 27.80 | 43.80 | 56.68 | 74 | -17.32 | Pk | Vertical |
| 2310.00 | 50.95 | 2.97 | 27.80 | 43.80 | 37.92 | 54 | -16.08 | AV | Vertical |
| 2390.00 | 69.14 | 3.14 | 27.21 | 43.80 | 55.69 | 74 | -18.31 | Pk | Vertical |
| 2390.00 | 48.91 | 3.14 | 27.21 | 43.80 | 35.46 | 54 | -18.54 | AV | Vertical |
| 2390.00 | 68.03 | 3.14 | 27.21 | 43.80 | 54.58 | 74 | -19.42 | Pk | Horizontal |
| 2390.00 | 47.34 | 3.14 | 27.21 | 43.80 | 33.89 | 54 | -20.11 | AV | Horizontal |
| 2483.50 | 69.74 | 3.58 | 27.70 | 44.00 | 57.02 | 74 | -16.98 | Pk | Vertical |
| 2483.50 | 46.61 | 3.58 | 27.70 | 44.00 | 33.89 | 54 | -20.11 | AV | Vertical |
| 2483.50 | 69.81 | 3.58 | 27.70 | 44.00 | 57.09 | 74 | -16.91 | Pk | Horizontal |
| 2483.50 | 46.34 | 3.58 | 27.70 | 44.00 | 33.62 | 54 | -20.38 | AV | Horizontal |
| | | | | 80 | 02.11g | | | | |
| 2310.00 | 69.56 | 2.97 | 27.80 | 43.80 | 56.53 | 74 | -17.47 | Pk | Horizontal |
| 2310.00 | 50.90 | 2.97 | 27.80 | 43.80 | 37.87 | 54 | -16.13 | AV | Horizontal |
| 2310.00 | 69.26 | 2.97 | 27.80 | 43.80 | 56.23 | 74 | -17.77 | Pk | Vertical |
| 2310.00 | 50.29 | 2.97 | 27.80 | 43.80 | 37.26 | 54 | -16.74 | AV | Vertical |
| 2390.00 | 70.39 | 3.14 | 27.21 | 43.80 | 56.94 | 74 | -17.06 | Pk | Vertical |
| 2390.00 | 48.24 | 3.14 | 27.21 | 43.80 | 34.79 | 54 | -19.21 | AV | Vertical |
| 2390.00 | 70.13 | 3.14 | 27.21 | 43.80 | 56.68 | 74 | -17.32 | Pk | Horizontal |
| 2390.00 | 48.20 | 3.14 | 27.21 | 43.80 | 34.75 | 54 | -19.25 | AV | Horizontal |
| 2483.50 | 69.01 | 3.58 | 27.70 | 44.00 | 56.29 | 74 | -17.71 | Pk | Vertical |
| 2483.50 | 48.34 | 3.58 | 27.70 | 44.00 | 35.62 | 54 | -18.38 | AV | Vertical |
| 2483.50 | 70.39 | 3.58 | 27.70 | 44.00 | 57.67 | 74 | -16.33 | Pk | Horizontal |
| 2483.50 | 49.34 | 3.58 | 27.70 | 44.00 | 36.62 | 54 | -17.38 | AV | Horizontal |
| | | | | 802 | 2.11n20 | | | | |
| 2310.00 | 59.40 | 2.97 | 27.80 | 43.80 | 46.37 | 74 | -27.63 | Pk | Horizontal |
| 2310.00 | 48.75 | 2.97 | 27.80 | 43.80 | 35.72 | 54 | -18.28 | AV | Horizontal |
| 2310.00 | 62.68 | 2.97 | 27.80 | 43.80 | 49.65 | 74 | -24.35 | Pk | Vertical |
| 2310.00 | 51.30 | 2.97 | 27.80 | 43.80 | 38.27 | 54 | -15.73 | AV | Vertical |
| 2390.00 | 60.06 | 3.14 | 27.21 | 43.80 | 46.61 | 74 | -27.39 | Pk | Vertical |
| 2390.00 | 47.85 | 3.14 | 27.21 | 43.80 | 34.40 | 54 | -19.60 | AV | Vertical |
| 2390.00 | 58.19 | 3.14 | 27.21 | 43.80 | 44.74 | 74 | -29.26 | Pk | Horizontal |
| 2390.00 | 47.11 | 3.14 | 27.21 | 43.80 | 33.66 | 54 | -20.34 | AV | Horizontal |
| 2483.50 | 59.05 | 3.58 | 27.70 | 44.00 | 46.33 | 74 | -27.67 | Pk | Vertical |
| 2483.50 | 48.64 | 3.58 | 27.70 | 44.00 | 35.92 | 54 | -18.08 | AV | Vertical |
| 2483.50 | 62.25 | 3.58 | 27.70 | 44.00 | 49.53 | 74 | -24.47 | Pk | Horizontal |
| 2483.50 | 47.52 | 3.58 | 27.70 | 44.00 | 34.80 | 54 | -19.20 | AV | Horizontal |

Spurious Emission in Restricted Bands 3260MHz- 18000MHz

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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 | |
| 3260 | 69.36 | 4.04 | 29.57 | 44.70 | 58.27 | 74 | -15.73 | Pk | Vertical |
| 3260 | 46.67 | 4.04 | 29.57 | 44.70 | 35.58 | 54 | -18.42 | AV | Vertical |
| 3260 | 69.64 | 4.04 | 29.57 | 44.70 | 58.55 | 74 | -15.45 | Pk | Horizontal |
| 3260 | 47.52 | 4.04 | 29.57 | 44.70 | 36.43 | 54 | -17.57 | AV | Horizontal |
| 3332 | 68.34 | 4.26 | 29.87 | 44.40 | 58.07 | 74 | -15.93 | Pk | Vertical |
| 3332 | 46.21 | 4.26 | 29.87 | 44.40 | 35.94 | 54 | -18.06 | AV | Vertical |
| 3332 | 69.71 | 4.26 | 29.87 | 44.40 | 59.44 | 74 | -14.56 | Pk | Horizontal |
| 3332 | 49.82 | 4.26 | 29.87 | 44.40 | 39.55 | 54 | -14.45 | AV | Horizontal |
| 17797 | 53.92 | 10.99 | 43.95 | 43.50 | 65.36 | 74 | -8.64 | Pk | Vertical |
| 17797 | 32.38 | 10.99 | 43.95 | 43.50 | 43.82 | 54 | -10.18 | AV | Vertical |
| 17788 | 57.24 | 11.81 | 43.69 | 44.60 | 68.14 | 74 | -5.86 | Pk | Horizontal |
| 17788 | 32.38 | 11.81 | 43.69 | 44.60 | 43.28 | 54 | -10.72 | 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

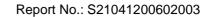
The testing follows Subclause 11.8 of ANSI C63.10. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT was operating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



7.3.6 Test Results

| EUT: | Mobile Phone | Model No.: | BL50 |
|--------------|---------------|--------------------|---------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Test Mode: | 802.11b/g/n20 | Test By: | Mary Hu |

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 = Ton / Ttotal

7.4.6 Test Results

| EUT: | Mobile Phone | Model No.: | BL50 |
|--------------|---------------|--------------------|------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Test Mode: | 802.11b/g/n20 | Test By: | N/A |

Note: Not applicable



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

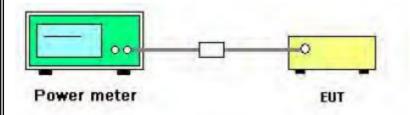
The maximum peak conducted output power of the intentional radiator for systems using digital modulation in the 2400 - 2483.5 MHz bands shall not exceed: 1 Watt (30dBm). If transmitting antenna of directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be 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.: | BL50 |
|--------------|---------------|--------------------|---------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Test Mode: | 802.11b/g/n20 | Test By: | Mary Hu |

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.: | BL50 |
|--------------|---------------|--------------------|---------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Test Mode: | 802.11b/g/n20 | Test By: | Mary Hu |

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.: | BL50 |
|--------------|---------------|--------------------|---------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Test Mode: | 802.11b/g/n20 | Test By: | Mary Hu |

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 MAXIMUM CONDUCTED OUTPUT POWER

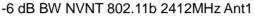
| Condition | Mode | Frequency | Antenna | Conducted Power | Limit | Verdict |
|--|---------------|-----------|---------|-----------------|-------|---------|
| Condition NVNT NVNT NVNT NVNT NVNT NVNT NVNT NVN | | (MHz) | | (dBm) | (dBm) | |
| NVNT | 802.11b | 2412 | Ant 1 | 14.26 | 30 | Pass |
| NVNT | 802.11b | 2437 | Ant 1 | 14.27 | 30 | Pass |
| NVNT | 802.11b | 2462 | Ant 1 | 14.42 | 30 | Pass |
| NVNT | 802.11g | 2412 | Ant 1 | 13.38 | 30 | Pass |
| NVNT | 802.11g | 2437 | Ant 1 | 13.17 | 30 | Pass |
| NVNT | 802.11g | 2462 | Ant 1 | 13.64 | 30 | Pass |
| NVNT | 802.11n(HT20) | 2412 | Ant 1 | 13.34 | 30 | Pass |
| NVNT | 802.11n(HT20) | 2437 | Ant 1 | 13.19 | 30 | Pass |
| NVNT | 802.11n(HT20) | 2462 | Ant 1 | 13.61 | 30 | Pass |

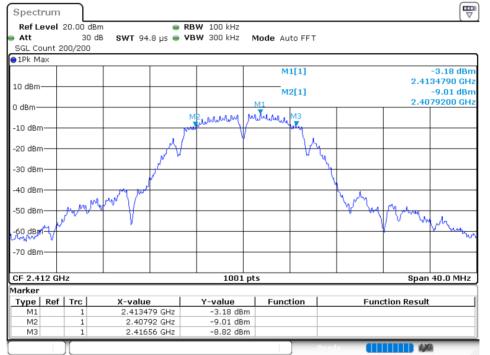


8.2 OCCUPIED CHANNEL BANDWIDTH

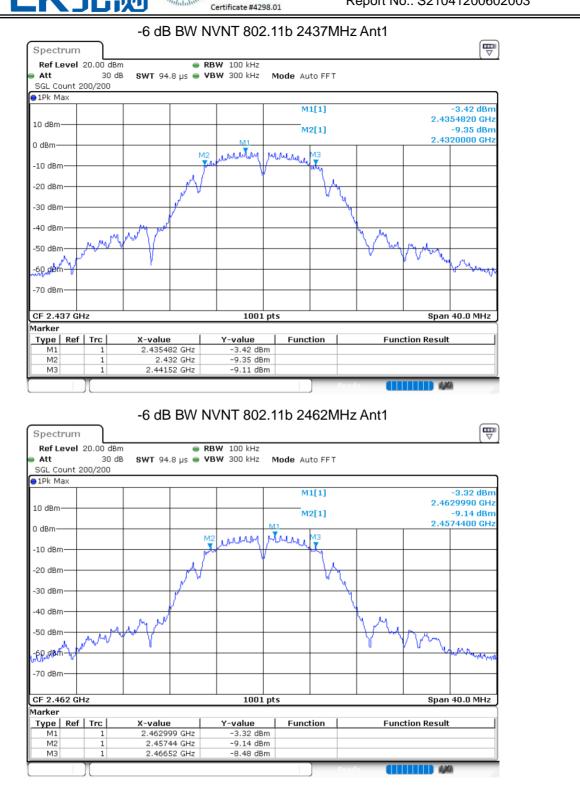
NTEK北测

| 8.2 UUU | , UPIED CHANNEL | BANDWIDIH | | | | |
|-----------|------------------------|--------------------|---------|--------------------|--------------------------------|---------|
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth | Limit -6 dB Bandwidth (MHz) | Verdict |
| | | | | (MHz) | Bandwidth (IVII 12) | |
| NVNT | 802.11b | 2412 | Ant 1 | 8.64 | 0.5 | Pass |
| NVNT | 802.11b | 2437 | Ant 1 | 9.52 | 0.5 | Pass |
| NVNT | 802.11b | 2462 | Ant 1 | 9.08 | 0.5 | Pass |
| NVNT | 802.11g | 2412 | Ant 1 | 16.56 | 0.5 | Pass |
| NVNT | 802.11g | 2437 | Ant 1 | 16.32 | 0.5 | Pass |
| NVNT | 802.11g | 2462 | Ant 1 | 16.56 | 0.5 | Pass |
| NVNT | 802.11n(HT20) | 2412 | Ant 1 | 17.6 | 0.5 | Pass |
| NVNT | 802.11n(HT20) | 2437 | Ant 1 | 16.36 | 0.5 | Pass |
| NVNT | 802.11n(HT20) | 2462 | Ant 1 | 17.6 | 0.5 | Pass |





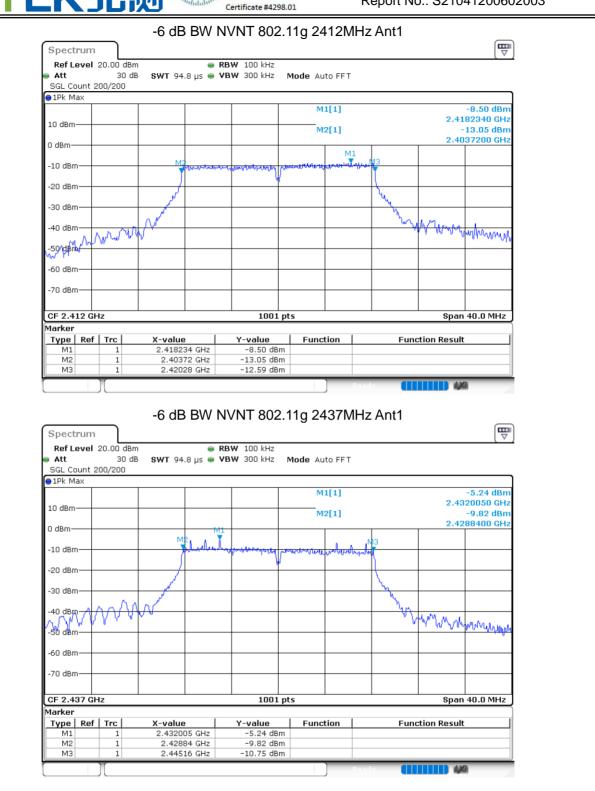




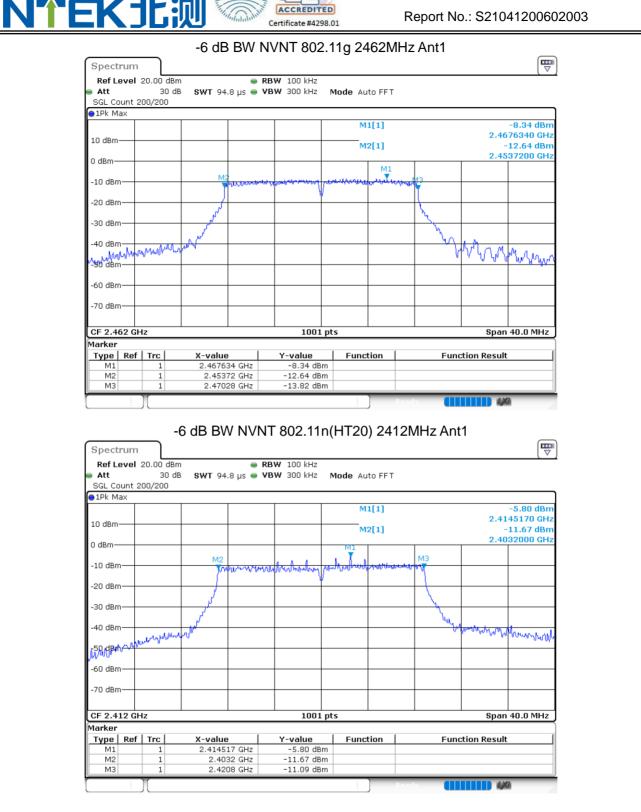
ACCREDITED



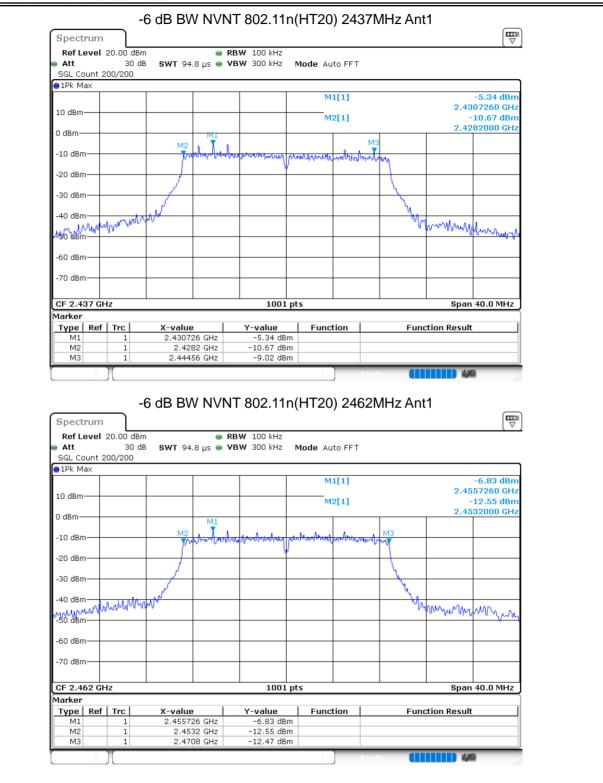
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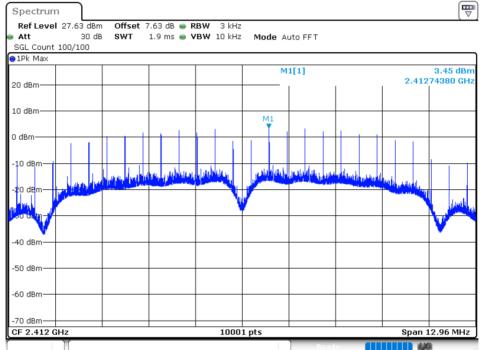


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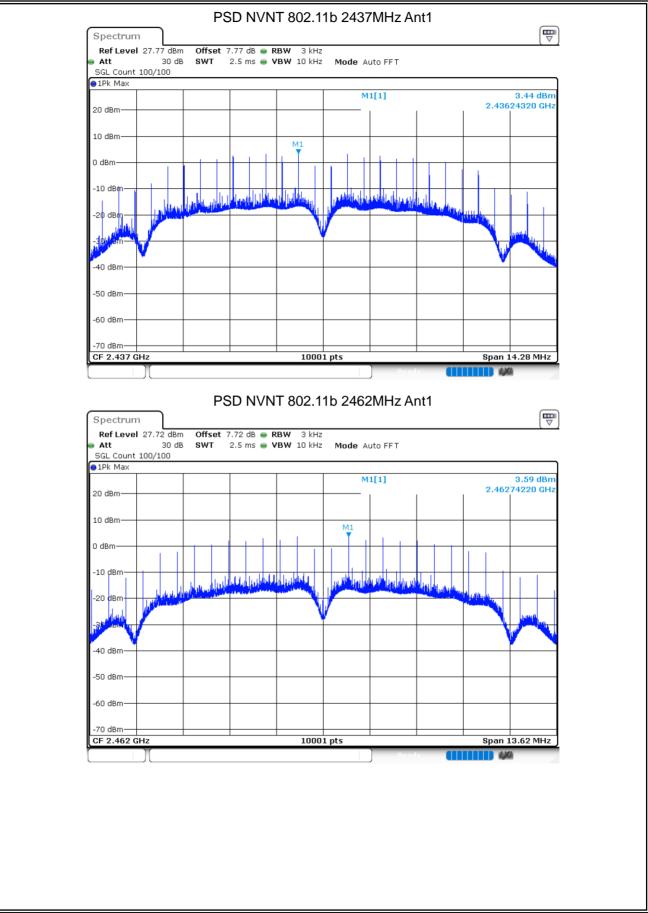
8.3 MAXIMUM POWER SPECTRAL DENSITY LEVEL

| O.J IVIA/ | | CURAL DENS | | | | |
|-----------|---------------|------------|---------|------------|------------|---------|
| Condition | Mode | Frequency | Antenna | Max PSD | Limit | Verdict |
| | | (MHz) | | (dBm/3kHz) | (dBm/3kHz) | |
| NVNT | 802.11b | 2412 | Ant 1 | 3.447 | 8 | Pass |
| NVNT | 802.11b | 2437 | Ant 1 | 3.441 | 8 | Pass |
| NVNT | 802.11b | 2462 | Ant 1 | 3.586 | 8 | Pass |
| NVNT | 802.11g | 2412 | Ant 1 | -12.584 | 8 | Pass |
| NVNT | 802.11g | 2437 | Ant 1 | -13.895 | 8 | Pass |
| NVNT | 802.11g | 2462 | Ant 1 | -12.65 | 8 | Pass |
| NVNT | 802.11n(HT20) | 2412 | Ant 1 | -13.654 | 8 | Pass |
| NVNT | 802.11n(HT20) | 2437 | Ant 1 | -13.235 | 8 | Pass |
| NVNT | 802.11n(HT20) | 2462 | Ant 1 | -13.194 | 8 | Pass |

PSD NVNT 802.11b 2412MHz Ant1



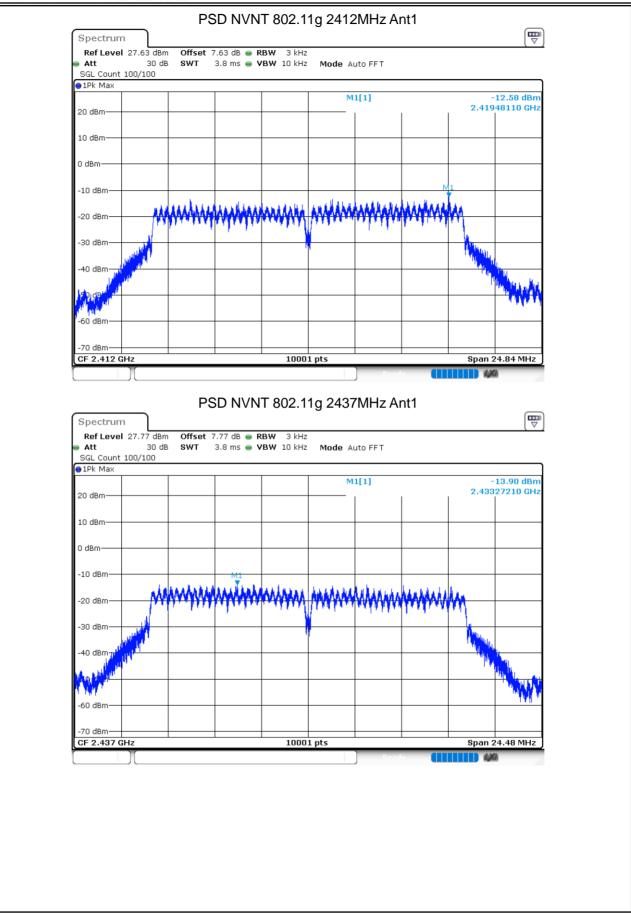




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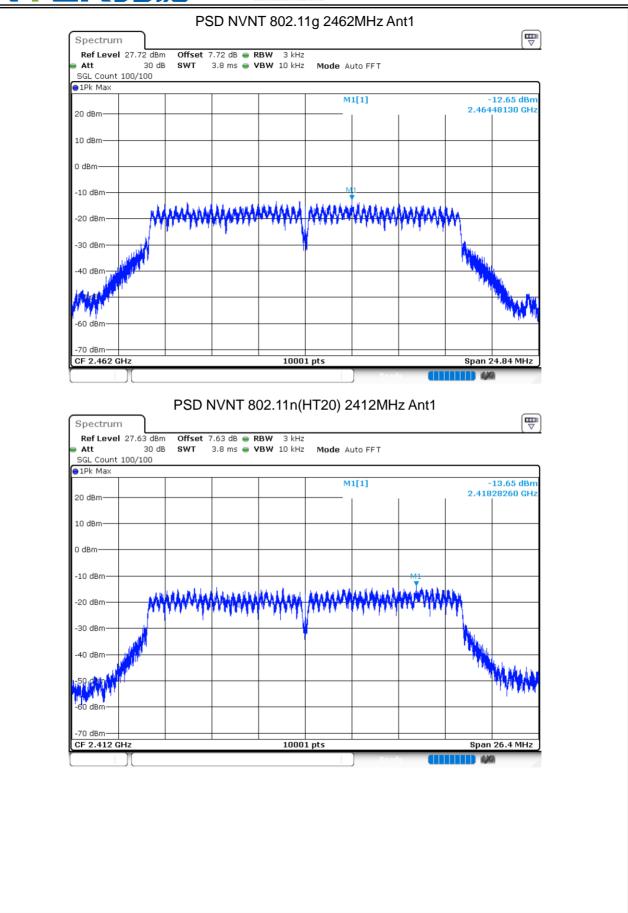
Certificate #4298.01



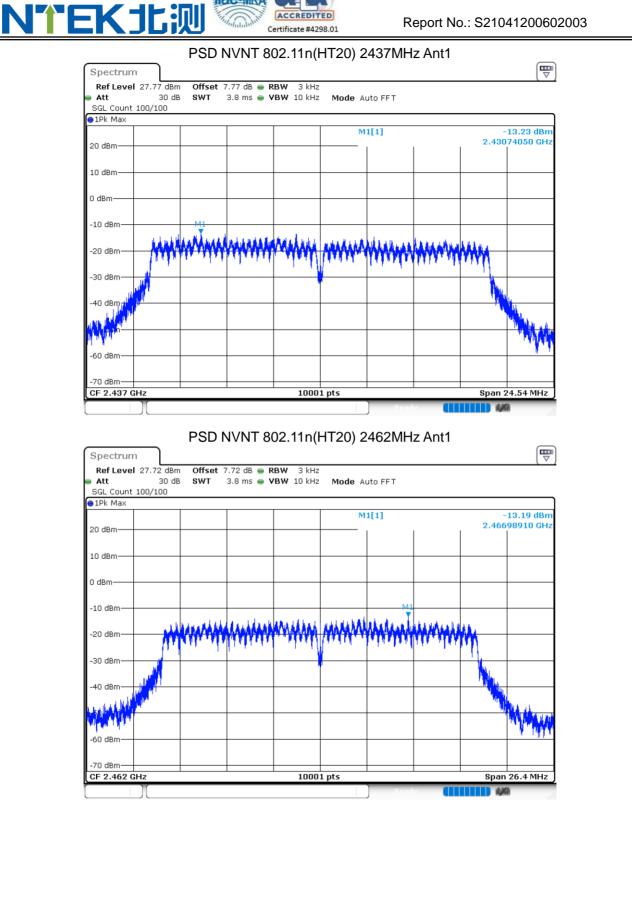


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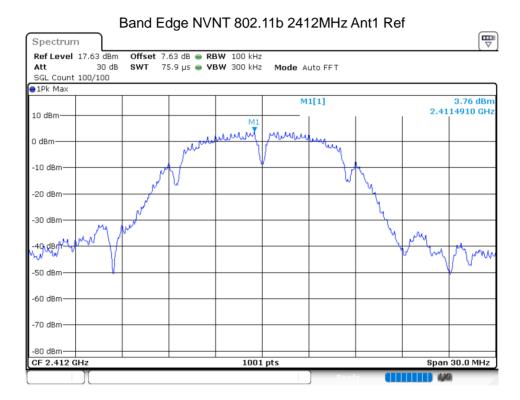
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8.4 BAND EDGE

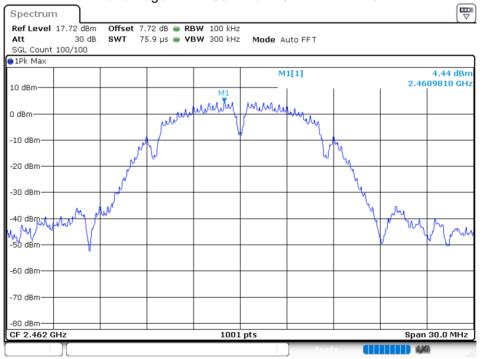
| 0.4 04 | | | | | | |
|-----------|---|---|--|--|--|--|
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
| NVNT | 802.11b | 2412 | Ant 1 | -55.12 | -20 | Pass |
| NVNT | 802.11b | 2462 | Ant 1 | -57.94 | -20 | Pass |
| NVNT | 802.11g | 2412 | Ant 1 | -49.75 | -20 | Pass |
| NVNT | 802.11g | 2462 | Ant 1 | -39.16 | -20 | Pass |
| NVNT | 802.11n(HT20) | 2412 | Ant 1 | -50.28 | -20 | Pass |
| NVNT | 802.11n(HT20) | 2462 | Ant 1 | -41.36 | -20 | Pass |
| | Condition NVNT NVNT NVNT NVNT NVNT | Condition Mode NVNT 802.11b NVNT 802.11b NVNT 802.11g NVNT 802.11g NVNT 802.11g NVNT 802.11g NVNT 802.11g | Condition Mode Frequency (MHz) NVNT 802.11b 2412 NVNT 802.11b 2462 NVNT 802.11g 2412 NVNT 802.11g 2462 NVNT 802.11g 2462 NVNT 802.11g 2462 NVNT 802.11g 2462 | Condition Mode Frequency (MHz) Antenna NVNT 802.11b 2412 Ant 1 NVNT 802.11b 2462 Ant 1 NVNT 802.11g 2462 Ant 1 NVNT 802.11g 2412 Ant 1 NVNT 802.11g 2462 Ant 1 NVNT 802.11g 2462 Ant 1 NVNT 802.11g 2462 Ant 1 NVNT 802.11g 2412 Ant 1 | ConditionModeFrequency (MHz)AntennaMax Value (dBc)NVNT802.11b2412Ant 1-55.12NVNT802.11b2462Ant 1-57.94NVNT802.11g2412Ant 1-49.75NVNT802.11g2462Ant 1-39.16NVNT802.11n(HT20)2412Ant 1-50.28 | ConditionModeFrequency (MHz)AntennaMax Value (dBc)Limit (dBc)NVNT802.11b2412Ant 1-55.12-20NVNT802.11b2462Ant 1-57.94-20NVNT802.11g2412Ant 1-49.75-20NVNT802.11g2462Ant 1-39.16-20NVNT802.11n(HT20)2412Ant 1-50.28-20 |





| | Bar | nd Edge | NVN | T 802.11b |) 2412N | /Hz / | Ant1 E | missior | ı |
|----------------|---------------|----------------|----------|----------------------|-----------|--|--------|----------|----------------|
| Spectrum | | | | | | | | | |
| Ref Level 1 | 7.63 dBm | Offset 7 | .63 dB 🧉 | • RBW 100 kH: | z | | | | |
| Att | 30 dB | SWT 22 | 7.5 µs 🧉 | • VBW 300 kH: | z Mode | Auto FF | т | | |
| SGL Count 10 | 00/100 | | | | | | | | |
| ∋1Pk Max | | | | | | | | | |
| | | | | | M | 1[1] | | | 4.27 dBm |
| 10 dBm | | | | | | | | | A2.4134600 GHz |
| 0 dBm | | | | | M | 2[1] | | ىللىن | -38.26 dBm |
| o ubiii | | | | | | 1 | 1 | P - | 2.400000 GHZ |
| -10 dBm | | | | | | - | | - 1 | <u>'</u> |
| D | 1 -16.243 | dBm | | | | | | / / | |
| -20 dBm | | | | | | | | | |
| -30 dBm | | | | | | | | | |
| -So abiii | | | | | | | M2 | NN I | 1.6 |
| -40 dBm | | | | | | | - N | ₩ | Vala |
| M4 | 4 | | | | | | l M | • | · \/** |
| -50 dBm | han Man Ali a | and the second | | workgrowtheath | | M3 . | J | | |
| -60 dBm | URAN | moning | moun | runing | phonorman | har an | ~ ^ | | |
| oo abiii | | | | | | | | | |
| -70 dBm | | | | | | <u> </u> | | | |
| | | | | | | | | | |
| -80 dBm | 011- | | | 1001 | nte | | | | Stop 2.427 GHz |
| Aarker | GHZ | | | 1001 | prs | | | | 300µ 2.427 GH2 |
| | Trc | X-value | 1 | Y-value | Fund | | 1 | Function | D |
| Type Ref M1 | 1 | 2.4134 | | 4.27 dB | | aion | | Function | Kesuit |
| M2 | 1 | | .4 GHz | -38.26 dB | | | | | |
| M3 | 1 | | 39 GHz | -57.05 dB | | | | | |
| M4 | 1 | 2.338 | 33 GHz | -51.37 dB | m | | | | |
| | 1 | | | | | | Ready | | 420 |
| | | | | | | | | | |







| | nd Edge | | 002.110 | 270210 | | | 11331 | | Ē |
|--|-------------------------------------|---|--|------------------------------|-----------|----------------|-------------|----------------|------------------------|
| pectrum | | | | | | | | | |
| efLevel 17.72 dBm .tt 30 dB | | | (BW 100 kHz /BW 300 kHz | | | | | | |
| GL Count 100/100 | 3001 227 | .5 µ5 👅 ¥ | (DYY 300 KH2 | Mode A | Auto FFT | | | | |
| LPk Max | | | | | | | | | |
| | | | | M | 1[1] | | | | 4.09 dBm |
|) dBm | | | | M | 2[1] | | | | 30300 GHz 54.59 dBm |
| dBm | | | | | 2[1] | | | | 35000 GHz |
| | η. Ι | | | | | | | | |
| 0 dBm + D1 -15.55(| 5 dBm | | | | | | | | |
| 0 dBm | | | | | | | | | |
| 0 dBm | | | | | | | | | |
| | | | | | | | | | |
| Q.dBm | 1 VYM | | | | | | -+ | | |
| 0 dBm | Y 17 | NM4 | | мз | | | | | |
| | רן ן | Winter | mounduranter | Martunikan | www.www. | hundredenter | danter | 1 the sty work | murghandra |
| 0 dBm | | | | | | | | ÷ | |
| 0 dBm | | | | | | | | | |
| | | | | | | | | | |
| 0 dBm art 2.447 GHz | 1 1 | | 1001 | nts | | | | Stop 2 | 2.547 GHz |
| arker | | | 1001 | P13 | | | | 0100 | |
| ype Ref Trc | X-value | | Y-value | Funct | tion | | Funct | ion Result | |
| M1 1 | 2.46303 | 3 CHz | 4.09 dBn | ~ | | | | | |
| | | | | | | | | | |
| M2 1 | 2.4835 | 5 GHz | -54.59 dBn | n | | | | | |
| | 2.4835 | | | n n | | | | | |
| M2 1 M3 1 | 2.4835 | 5 GHz 5 GHz | -54.59 dBn -56.57 dBn | n n | R | eady | | | N |
| M2 1 M3 1 | 2.4835 | 5 GHz 5 GHz | -54.59 dBn -56.57 dBn | n n |) R | eady | | | 1 |
| M2 1 M3 1 M4 1 | 2.4835 2.5 2.484 | 5 GHz 5 GHz 4 GHz | -54.59 dBn -56.57 dBn -53.50 dBn | n n n |) • | z Ant1 | R ef | | 1 |
| M2 1 M3 1 M4 1 | 2.4835 | 5 GHz 5 GHz 4 GHz | -54.59 dBn -56.57 dBn -53.50 dBn | n n n |) R | adv z Ant1 | Ref |) 4/ | |
| M2 1 M3 1 M4 1 pectrum | 2.4835 2.484 2.484 Band Ed | ge NVI | -54.59 dBr -56.57 dBr -53.50 dBr | n n n |) 2MH: | rody z Ant1 | Ref | | |
| M2 1 M3 1 M4 1 pectrum | 2.483 2.5 2.484 Band Ed | 5 GHZ 5 GHZ 4 GHZ ge NVI 3 dB • RE | -54.59 dBr -56.57 dBr -53.50 dBr NT 802.1 | n n 11g 241 | | z Ant1 | Ref | | |
| M2 1 M3 1 M4 1 pectrum | 2.483 2.5 2.484 Band Ed | 5 GHZ 5 GHZ 4 GHZ ge NVI 3 dB • RE | -54.59 dBr -56.57 dBr -53.50 dBr | n n n | | z Ant1 | Ref | | (Ţ |
| M2 1 M3 1 M4 1 pectrum | 2.483 2.5 2.484 Band Ed | 5 GHZ 5 GHZ 4 GHZ ge NVI 3 dB • RE | -54.59 dBr -56.57 dBr -53.50 dBr NT 802.1 | n n 11g 241 | | z Ant1 | Ref | | |
| M2 1 M3 1 M4 1 pectrum | 2.483 2.5 2.484 Band Ed | 5 GHZ 5 GHZ 4 GHZ ge NVI 3 dB • RE | -54.59 dBr -56.57 dBr -53.50 dBr NT 802.1 | n n I1g 241 Mode At | | adv z Ant1 | Ref | | -0.68 dBm |
| M2 1 M3 1 M4 1 pectrum | 2.483 2.5 2.484 Band Ed | 5 GHZ 5 GHZ 4 GHZ ge NVI 3 dB • RE | -54.59 dBr -56.57 dBr -53.50 dBr NT 802.1 | n n I1g 241 Mode At | uto FFT | z Ant1 | Ref | 2.41 | |
| M2 1 M3 1 M4 1 pectrum | 2.483 2.5 2.484 Band Ed | 5 GHZ 5 GHZ 4 GHZ ge NVI 3 dB • RE | -54.59 dBr -56.57 dBr -53.50 dBr NT 802.1 | n n I1g 241 Mode At | uto FFT | z Ant1 | Ref | 2.41 | -0.68 dBm |
| M2 1 M3 1 M4 1 pectrum | 2.483 2.5 2.484 Band Ed | 5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI | -54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz | Mode At | uto FFT | M1 | | 2.41 | -0.68 dBm |
| M2 1 M3 1 M4 1 pectrum | 2.483 2.5 2.484 Band Ed | 5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI | -54.59 dBr -56.57 dBr -53.50 dBr NT 802.1 | Mode At | uto FFT | M1 | | 2.41 | -0.68 dBm |
| M2 1 M3 1 M4 1 pectrum | 2.483 2.5 2.484 Band Ed | 5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI | -54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz | Mode At | uto FFT | M1 | | 2.41 | -0.68 dBm |
| M2 1 M3 1 M4 1 pectrum | 2.483 2.5 2.484 Band Ed | 5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI | -54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz | Mode At | uto FFT | M1 | | 2.41 | -0.68 dBm |
| M2 1 M3 1 M4 1 pectrum | 2.483 2.5 2.484 Band Ed | 5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI | -54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz | Mode At | uto FFT | M1 | | 2.41 | -0.68 dBm |
| M2 1 M3 1 M4 1 pectrum | 2.483 2.5 2.484 Band Ed | 5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI | -54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz | Mode At | uto FFT | M1 | | 2.41 | -0.68 dBm |
| M2 1 M3 1 M4 1 pectrum | 2.483 2.5 2.484 Band Ed | 5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI | -54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz | Mode At | uto FFT | M1 | | 2.41 | -0.68 dBm |
| M2 1 M3 1 M4 1 ef Level 17.63 dBm ef Level 17.63 dBm gL Count 100/100 JPk Max 0 dBm 0 0 dBm 0 0 dBm 0 0 dBm 0 | 2.483 2.5 2.484 Band Ed | 5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI | -54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz | Mode At | uto FFT | M1 | | 2.41 | -0.68 dBm 82340 GHz |
| M2 1 M3 1 M4 1 ef Level 17.63 dBm ef Level 17.63 dBm tt 30 dB dBm 0 0 dBm 0 0 dBm 0 | 2.483 2.5 2.484 Band Ed | 5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI | -54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz | Mode At | uto FFT | M1 | | 2.41 | -0.68 dBm 82340 GHz |
| M2 1 M3 1 M4 1 ef Level 17.63 dBm ef Level 17.63 dBm tt 30 dB dBm 0 dBm 0 0 dBm 0 0 dBm 0 0 dBm 0 0 dBm 0 | 2.483 2.5 2.484 Band Ed | 5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI | -54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz | Mode At | uto FFT | M1 | | 2.41 | -0.68 dBm 82340 GHz |
| M2 1 M3 1 M4 1 Dectrum 1 of Level 17.63 dBm of Local 30 dB JBm 1 JBm 1 JBm 1 JBm 1 JBm 1 JBm 1 JBm 100 dBm | 2.483 2.5 2.484 Band Ed | 5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI | -54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz | Mode At | uto FFT | M1 | | 2.41 | -0.68 dBm 82340 GHz |
| M2 1 M3 1 M4 1 pectrum 1 af Level 17.63 dBm tt 30 dB JBm 1 JBm 1 JBm 1 JBm 1 | 2.483 2.5 2.484 Band Ed | 5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI | -54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz | Mode At | uto FFT | M1 | | 2.41 | -0.68 dBm 82340 GHz |

1001 pts

-70 dBm--80 dBm-

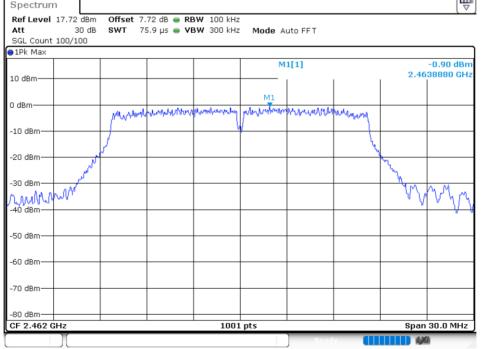
CF 2.412 GHz

Span 30.0 MHz

110



| Att SGL Count | 30 dB 100/100 |) SWT 227.5 µs (| VBW 300 kHz | Mode Auto FF | т | | |
|--|------------------|-------------------------|---------------------------------------|------------------|-------|-----------------|-------------------|
| ∋1Pk Max | | | | M1[1] | | 2 | .26 dBm |
| 10 dBm | | | | | | 2.4194 | 600 GHz |
| 0 dBm | | | | M2[1] | 1 Put | 29-29 244000 | 31 dBm 000 GHz |
| -10 dBm— | | | | | | V | |
| -20 dBm— | D1 -20.68 | 3 dBm | | | | | <u> </u> |
| -30 dBm— | | | | | M2 / | | h hataphan |
| -40 dBm— | | | | | ATT | | |
| -50 dBm | alize a co | | | N3.1 | MANN. | | |
| ////////////////////////////////////// | mar wyd | a with Award Philippin | hand the second states and the second | under honories (| | | |
| -70 dBm— | | | | | | | |
| -80 dBm— | | | | | | | |
| Start 2.32 | 7 GHz | | 1001 pt | 5 | | Stop 2.4 | 27 GHz |
| Marker Type Re | ef Trc | X-value | Y-value | Function | Fun | ction Result | 1 |
| M1 | 1 | 2.41946 GHz | 2.26 dBm | | | | |
| M2 | 1 | 2.4 GHz | -29.31 dBm | | | | |
| MЗ | 1 | 2.39 GHz | -52.56 dBm | | | | |
| M4 | 1 | 2.3899 GHz | -50.44 dBm | | | | |
| | 1 | | | | Ready | | |





| Att 30 1 SGL Count 100/100 91Pk Max | | | | | | |
|--|---|--------------------------|---------------------------------------|--------------------|-------------|------------------------|
| 10 dBm | | | M1[1] | | 2.46 | -0.74 dBm 45300 GHz |
| м | 1 | | M2[1] | | - | 42.24 dBm 35000 GHz |
| 0 dBm | Whathy | | | | 2.40 | 33000 GH2 |
| -20 dBm-D1 -20.8 | | | | | | |
| -30 dBm | | | | | | |
| -40 dBm | MMM | ANG | | | | |
| -50 dBm | | White the second second | M3 | | | |
| -60 dBm | | andrealland | M3 M3 mintellipeter | incommunity of the | mornautil | muuhnerth |
| -70 dBm | | | | | | |
| -80 dBm | | | | | | |
| Start 2.447 GHz Marker | | 1001 | pts | | Stop 2 | 2.547 GHz |
| TypeRefTrcM11 | X-value 2.46453 GH | Y-value | Function | Fund | tion Result | |
| M2 1 M3 1 | 2.4835 GH 2.5 GH | iz -42.24 dB | m | | | |
| | | | | | | |
| M4 1 Ba Spectrum Ref Level 17.63 dB | 2.4839 GH and Edge NV m Offset 7.63 dE | -40.07 dB /NT 802.11n | m (HT20) 2412 | | Ref | |
| M4 1 Ba | 2.4839 GH and Edge NV m Offset 7.63 dE | -40.07 dB /NT 802.11n | (HT20) 2412 Mode Auto FFT | | Ref | |
| M4 1 Spectrum Ref Level 17.63 db Att 30 d SGL Count 100/100 | 2.4839 GH and Edge NV m Offset 7.63 dE | -40.07 dB /NT 802.11n | m (HT20) 2412 | | | |
| M4 1 Spectrum Ref Level 17.63 de Att 30 de SGL Count 100/100 ● 1Pk Max 10 dBm | 2.4839 GH and Edge NV .m Offset 7.63 dE dB swr 75.9 µs | /NT 802.11n | (HT20) 2412 Mode Auto FFT | | | 1.85 dBm |
| M4 1 Spectrum Ref Level 17.63 dE Att 30 d SGL Count 100/100 ●1Pk Max | 2.4839 GH and Edge NV .m Offset 7.63 dE dB swr 75.9 µs | /NT 802.11n | (HT20) 2412 Mode Auto FFT M1[1] | | | 1.85 dBm |
| M4 1 Spectrum Ref Level 17.63 de Att 30 de SGL Count 100/100 ● 1Pk Max 10 dBm | 2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs | /NT 802.11n | (HT20) 2412 Mode Auto FFT | | | 1.85 dBm |
| M4 1 Ref Level 17.63 dE Att 30 m SGL Count 100/100 1Pk Max 10 dBm 0 dBm 0 dBm | 2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs | /NT 802.11n | (HT20) 2412 Mode Auto FFT | | | 1.85 dBm |
| M4 1 Spectrum Ref Level 17.63 df Att 30 m SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm | 2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs | /NT 802.11n | (HT20) 2412 Mode Auto FFT | | 2.41 | 1.85 dBm 70050 GHz |
| M4 1 Ref Level 17.63 dE Att 30 dE SGL Count 100/100 ● IPK Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm | 2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs | /NT 802.11n | (HT20) 2412 Mode Auto FFT | | 2.41 | 1.85 dBm |
| M4 1 Ref Level 17.63 dB Att 30 dB SGL Count 100/100 ● IPk Max 10 dBm 10 dBm -0 dBm -20 dBm -30 dBm -30 dBm -40 dBm | 2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs | /NT 802.11n | (HT20) 2412 Mode Auto FFT | | 2.41 | 1.85 dBm 70050 GHz |
| M4 1 Spectrum Ref Level 17.63 df Att 300 SGL Count 100/100 9 1Pk Max 10 dBm -10 dBm -20 dBm | 2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs | /NT 802.11n | (HT20) 2412 Mode Auto FFT | | 2.41 | 1.85 dBm 70050 GHz |
| M4 1 Ref Level 17.63 dE Att 30 dE SGL Count 100/100 IPK Max 10 dBm 10 dBm -0 dBm -20 dBm -30 dBm W40.dBm 40.dBm | 2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs | /NT 802.11n | (HT20) 2412 Mode Auto FFT | | 2.41 | 1.85 dBm 70050 GHz |
| M4 1 Ref Level 17.63 dE SGL Count 100/100 © IPK Max 0 10 dBm 0 -10 dBm -0 -20 dBm -30 dBm -30 dBm -50 dBm | 2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs | /NT 802.11n | (HT20) 2412 Mode Auto FFT | | 2.41 | 1.85 dBm 70050 GHz |
| M4 1 Ref Level 17.63 dE Att 30 r SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm | 2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs | /NT 802.11n | m (HT20) 2412 Mode Auto FFT | | 2.41 | 1.85 dBm 70050 GHz |



| Ref Level 1 | 7.63 dBm | Offset 7.6 | 3 dB 👄 I | RBW 100 kH | 7 | | | | |
|---|------------------------------------|-------------------------------------|---|---------------------------------------|-------------------|------------------|----------|-------------|-------------------------|
| Att | 30 dB | | | VBW 300 kH | | Auto FFT | | | |
| SGL Count 1 | 00/100 | | | | | | | | |
| ⊖1Pk Max | | | | | | 1[1] | | | 1.51 dBm |
| 10 dBm | | | | | | 1[1] | | | 169600 GHz |
| 0.40 | | | | | M | 2[1] | | 1 | ⁴¹ 33.84 dBm |
| 0 dBm | | | | | | | him h | permit Rola | RODOO GHZ |
| -10 dBm | | | | | | | | U | |
| -20 dBm-D | 1 -18.151 | dBm | | | | | | | |
| | | | | | | | Mar | | |
| -30 dBm | | | | | | | L.W. | | MANNA |
| -40 dBm | | | | | | March | | | |
| -50 dBm | | | | | | M4 AV | | | |
| relegencederdontoper | trangeram | merkingungen | howwww | www.low-when | a gran the way | W ^{ren} | | | |
| -60 dBm | | | - | | | | | | |
| -70 dBm | | | | | | | | | |
| 00 40 | | | | | | | | | |
| -80 dBm Start 2.327 | GHz | | | 1001 | pts | | | Stop | 2.427 GHz |
| Marker | | | | | | | | F | |
| Type Ref | | X-value | | Y-value | Func | tion | Fun | ction Resul | t |
| M1 M2 | 1 | 2.41696 | GHz GHz | 1.51 dB -33.84 dB | | | | | |
| M3 | 1 | 2.39 | | -51.90 dB | m | | | | |
| | | | | | | | | | |
| Spectrum | | 2.3898 d Edge N | IVNT | | (HT20) |) Ref 2462N | 1Hz Ant1 | Ref | |
| | Ban | d Edge N | | | (HT20) | | 1Hz Ant1 | Ref | 4 |
| Spectrum Ref Level 1 Att SGL Count 10 | Ban 7.72 dBm 30 dB | d Edge N | | 802.11n | (HT20) | | 1Hz Ant1 | Ref | 4 |
| Spectrum Ref Level 1 Att | Ban 7.72 dBm 30 dB | d Edge N | | 802.11n | (HT20) Mode A | uto FFT | 1Hz Ant1 | Ref | |
| Spectrum Ref Level 1 Att SGL Count 11 @1Pk Max | Ban 7.72 dBm 30 dB | d Edge N | | 802.11n | (HT20) Mode A | | 1Hz Ant1 | | 0.47 dBm |
| Spectrum Ref Level 1 Att SGL Count 10 | Ban 7.72 dBm 30 dB | d Edge N | | 802.11n RBW 100 kHz /BW 300 kHz | (HT20) Mode A | uto FFT | 1Hz Ant1 | | |
| Spectrum Ref Level 1 Att SGL Count 11 @1Pk Max 10 dBm | Ban 7.72 dBm 30 dB | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | | 0.47 dBm |
| Spectrum Ref Level 1 Att SGL Count 11 @1Pk Max | Ban 7.72 dBm 30 dB | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | | 0.47 dBm |
| Spectrum Ref Level 1 Att SGL Count 11 @1Pk Max 10 dBm | Ban 7.72 dBm 30 dB | d Edge N | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | IHz Ant1 | | 0.47 dBm |
| Spectrum Ref Level 1 Att SGL Count 11 @1Pk Max 10 dBm 0 dBm | Ban 7.72 dBm 30 dB | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | | 0.47 dBm |
| Spectrum Ref Level 1 Att SGL Count 11 @1Pk Max 10 dBm 0 dBm | Ban 7.72 dBm 30 dB | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | | 0.47 dBm |
| Spectrum Ref Level 1 Att SGL Count 11 9 IPk Max 10 dBm 0 dBm -10 dBm | Ban 7.72 dBm 30 dB | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | | 0.47 dBm |
| Spectrum Ref Level 1 Att SGL Count 11 9 IPk Max 10 dBm -10 dBm -20 dBm | Ban 7.72 dBm 30 dB 00/100 | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | 2.4 | 0.47 dBm 507110 GHz |
| Spectrum Ref Level 1 Att SGL Count 11 © 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm May May May | Ban 7.72 dBm 30 dB 00/100 | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | 2.4 | 0.47 dBm 507110 GHz |
| Spectrum Ref Level 1 Att SGL Count 11 PIPK Max 10 dBm -10 dBm -20 dBm | Ban 7.72 dBm 30 dB 00/100 | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | 2.4 | 0.47 dBm |
| Spectrum Ref Level 1 Att SGL Count 11 © 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm | Ban 7.72 dBm 30 dB 00/100 | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | 2.4 | 0.47 dBm 507110 GHz |
| Spectrum Ref Level 1 Att SGL Count 11 © 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm May May May | Ban 7.72 dBm 30 dB 00/100 | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | 2.4 | 0.47 dBm 507110 GHz |
| Spectrum Ref Level 1 Att SGL Count 11 © 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm | Ban 7.72 dBm 30 dB 00/100 | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | 2.4 | 0.47 dBm 507110 GHz |
| Spectrum Ref Level 1 Att SGL Count 11 © 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm | Ban 7.72 dBm 30 dB 00/100 | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | 2.4 | 0.47 dBm 507110 GHz |
| Spectrum Ref Level 1 Att SGL Count 11 © 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm | Ban 7.72 dBm 30 dB 00/100 | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | 2.4 | 0.47 dBm 507110 GHz |
| Spectrum Ref Level 1 Att SGL Count 11 © 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm | Ban 7.72 dBm 30 dB 00/100 | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | 2.4 | 0.47 dBm 507110 GHz |
| Spectrum Ref Level 1 Att SGL Count 11 • IPk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm | Ban 7.72 dBm 30 dB 00/100 | d Edge N offset 7.72 swt 75.9 | JVNT 2 dB ● R 9 μs ● V | 802.11n BW 100 kHz BW 300 kHz | (HT20) Mode Al | uto FFT | | 2.4 | 0.47 dBm 507110 GHz |



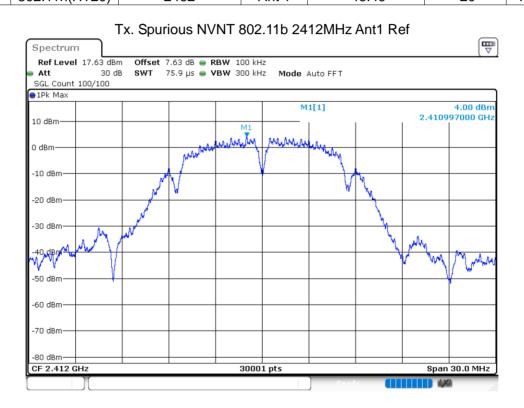
| E | Band E | Edge NVNT 8 | 302.11n(HT2 | 20) 2462N | 1Hz Ant1 E | mission |
|-------------------------------------|-------------|-----------------------|--|----------------------------|------------------|-----------------------------|
| Spectrum | | | | | | (T |
| Ref Level 17 Att SGL Count 10 | 30 dB | | RBW 100 kHz VBW 300 kHz | Mode Auto F | FT | |
| ●1Pk Max | | | | | | |
| 10 dBm | | | | M1[1] | | 1.05 dBm 2.4632300 GHz |
| 0 dBm | M1 | | | M2[1] | | -42.74 dBm 2.4835000 GHz |
| -10 dBm | operplaying | Marketin | | | | |
| -20 dğm-01 | 1 -19.532 | dBm | | | | |
| -30 dBm | | | | | | |
| -40 dBm | | W Wayne | 12 ^{M4} | | | |
| -50 dBm | | | how when the | мз | | |
| -60 dBm | | | all and a second se | mphillerrallerlanderlighte | nnannennennannan | Hallymound flores where the |
| -70 dBm | | | | | | |
| -80 dBm | | | | | | |
| Start 2.447 (| GHz | | 1001 p | ts | | Stop 2.547 GHz |
| Marker | | | | | | |
| Type Ref | | X-value | Y-value | Function | Fun | ction Result |
| M1 | 1 | 2.46323 GHz | 1.05 dBm | | | |
| M2 | 1 | 2.4835 GHz | -42.74 dBm | | | |
| M3 M4 | 1 | 2.5 GHz 2.4861 GHz | -53.27 dBm -40.89 dBm | | | |
| | <u> </u> | 2.1001 012 | .0.09 dbii | | Ready | 4/4 |



NTEK北测

8.5 CONDUCTED RF SPURIOUS EMISSION

| 0.0 | | | | | | |
|-----------|---------------|-----------------|---------|-----------------|-------------|---------|
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
| NVNT | 802.11b | 2412 | Ant 1 | -50.17 | -20 | Pass |
| NVNT | 802.11b | 2437 | Ant 1 | -50.64 | -20 | Pass |
| NVNT | 802.11b | 2462 | Ant 1 | -50.39 | -20 | Pass |
| NVNT | 802.11g | 2412 | Ant 1 | -44.42 | -20 | Pass |
| NVNT | 802.11g | 2437 | Ant 1 | -47.31 | -20 | Pass |
| NVNT | 802.11g | 2462 | Ant 1 | -46.83 | -20 | Pass |
| NVNT | 802.11n(HT20) | 2412 | Ant 1 | -44.52 | -20 | Pass |
| NVNT | 802.11n(HT20) | 2437 | Ant 1 | -45.06 | -20 | Pass |
| NVNT | 802.11n(HT20) | 2462 | Ant 1 | -46.49 | -20 | Pass |





| Pk Ma | ах | | | | | | | | | |
|---|-----------------------------|---------|---------------------------------------|---|---|---|-----------------|------|-------------|---|
| | | | | | | M1 | 1[1] | | | 4.04 dBm |
| dBm- | M | | | | | | | | | 2.414140 GHz |
| dBm— | | | | | | M2 | 2[1] | | | -46.18 dBm |
| | | | | | | 1 | | 1 | 1 | 18.184022 GHz |
| dBm | | | | | | | | | | |
| dBm | | 005 dBr | n | | _ | | | | | |
| | | | | | | | | | | |
|) dBm | - | | | | | | | | | |
| dBm | _ | | | | | | | - M2 | | |
| | | MB | | | | | | | | |
| i dBm | | 19 P | M4 | | MS | | فريق وفرقته وال | | | and the second of |
| and the second | n da. Una restantiva | | M4 | | M5 | | | | | atiles filesticessieses Antonio filestices |
| i asm | and a substantian | | M4 | | M5 | | | | | lastikus filmatisa aslavata Maria kangaraasi |
| | | | M4 | elektikan kerdena kerde Persona kerdena kerdena kerdena kerdena kerdena kerdena kerdena kerdena kerdena kerdena Persona kerdena | M5 | | | | | |
| | | | M4 | | M5 | | | | | |
|) dBm) dBm art 31 | | | M4 | | | nts | | | | iton 25.0 GHz |
|) dBm | | | M4 | | M5 | pts | | | S | top 25.0 GHz |
|) dBm art 3 | | | X-value | | 3000 J Y-value | Funct | tion | | unction Re: | |
|) dBm art 3 rker /pe M1 | D.0 MHz Ref Trc 1 | | X-value 2.414 | e 14 GHz | 30001 Y-value 4.04 dBr | Funct | tion | | | |
| dBm art 3 rker ype M1 M2 | D.0 MHz Ref Trc 1 | | X-value 2.414 18.18403 | 2 GHZ | 30001 30001 Y-value 4.04 dBr -46.18 dBr | Funct | tion | | | |
| dBm art 3 ker pe M1 | D.0 MHz Ref Trc 1 | | X-value 2.414 | 2 GHZ 61 GHZ | 30001 Y-value 4.04 dBr | Funct n n n n | tion | | | |
| dBm art 3 rker ype M1 M2 M3 | Ref Trc 1 1 1 1 | | X-value 2.414 18.1840 4.9457 | 22 GHz 61 GHz 73 GHz | 30001 30001 Y-value 4.04 dBr -46.18 dBr -49.86 dBr | Funct n n n n n n | tion | | | |





| | | | | M1[1] | | 3.45 dBm |
|-------------------------------|--------------------|--|---|------------|--|---------------------------------------|
| 0 dBm | | | | | | 2.435780 GHz |
| dBm | | | | M2[1] | | -45.10 dBm 17.679628 GHz |
| LO dBm | | | | | | |
| | 01 -14.4 | 164 dBm | | | | |
| 20 dBm | | | | | | |
| 80 dBm | | | | | | |
| in days | | | | | | |
| 10 dBm | | MS M4 | M5 | | ¥. | |
| 0 dBm | أأنعر والسمارين | | to a Table to be seen to be | | n haras bila ar an pitrin. Mana da barang | ومستخدا والمبر أرادا فأستا الدافل وفا |
| 0 dBm | Altered Strength | lang film | | | | |
| | | | | | | |
| 70 dBm | | | | | | |
| | | | | | | |
| | 411- | | 30001 | pts | | Stop 25.0 GHz |
| | anz | | | | | |
| arker | |) (undur | | . Function | l г | tion Dooult |
| arker Type Ref | Trc | X-value 2.43578 GH: | Y-value | Function | Func | tion Result |
| arker | | X-value 2.43578 GH: 17.679628 GH: | Y-value z 3.45 dBm | | Func | tion Result |
| M1 M2 M3 | Trc 1 1 1 | 2.43578 GH: 17.679628 GH: 4.806761 GH: | Y-value z 3.45 dBm z -45.10 dBm z -49.78 dBm | | Func | tion Result |
| arker Type Ref M1 M2 | Trc 1 | 2.43578 GH: 17.679628 GH: | Y-value z 3.45 dBm z -45.10 dBm z -49.78 dBm z -49.99 dBm | | Func | tion Result |





| Ref Level 17.72 dBm Att 30 dB SGL Count 10/10 1Pk Max | | | RBW 100 kHz VBW 300 kHz | | uto Sweep |) | | |
|--|---|--|--|-------------------------------|---|-----------------|------------------------------|---------------------------|
| 10 dBm | | | | M | l[1] | | | 3.87 dBm |
| 0 dBm | | | | M | 2[1] | | | .463250 GHz -45.95 dBm |
| -10 dBm | | | | | | | 17 | .693778 GHz |
| D1 -15.549 | dBm | | | | | | | |
| -20 dBm | | | | | | | | |
| -30 dBm | | | | | | | | |
| -40 dBm | B M4 | i i | м5 | | and the state of the | 1712 Y 44, 5 | | |
| -50 dBm | Party Party Print Party Party | an in the second se | (Internetionality) | Contraction of the second | | | A Construction of the second | |
| -60 dBm | | | | | | | | |
| -70 dBm | | | | | | | | |
| Start 30.0 MHz | | | 30001 | L pts | | | Sto | op 25.0 GHz |
| 1arker | ~ 1 | 1 | | | | - | | |
| Type Ref Trc M1 1 | X-value 2.4632 | 25 GHz | Y-value 3.87 dBr | | ion | Fun | ction Resu | |
| M2 1 M3 1 | 17.69377 4.96407 | | -45.95 dBr -50.18 dBr | | | | | |
| M3 1 | 4.90407 | | -30.18 UBI | | | | | |
| M4 1 | 7.35453 | | -49.72 dBr | m | | | | |
| M5 1 | 7.35453 9.95056 x. Spuri | ous N | -49.98 dBr | .11g 24 | 12MHz | Ant1 R | ef | |
| M5 1 Spectrum Ref Level 17.63 dBm Att 30 dE | 7.35453 9.95058 7. Spuri 0 Offset 7 | 33 GHz 31 GHz OUS N | -49.98 dBr | .11g 24 ⁻ | | Ant1 R | ef | |
| M5 1 Spectrum Ref Level 17.63 dBm Att 30 dE SGL Count 100/100 | 7.35453 9.95058 7. Spuri 0 Offset 7 | 33 GHz 31 GHz OUS N | -49.98 dBr /NT 802. RBW 100 kHz | .11g 24 | uto FFT | Ant1 R | ef | |
| M5 1 Spectrum Ref Level 17.63 dBm Att 30 dE SGL Count 100/100 1Pk Max | 7.35453 9.95058 7. Spuri 0 Offset 7 | 33 GHz 31 GHz OUS N | -49.98 dBr /NT 802. RBW 100 kHz | .11g 24 | | Ant1 R | | -0.91 dBm 5121900 GHz |
| M5 1 Spectrum Ref Level 17.63 dBm Att 30 dE SGL Count 100/100 1Pk Max | 7.35453 9.95058 7. Spuri 0 Offset 7 | 33 GHz 31 GHz OUS N | -49.98 dBr /NT 802. RBW 100 kHz | .11g 24 | uto FFT | Ant1 R | | -0.91 dBm |
| M5 1 Spectrum Att 30 de SGL Count 100/100 1Pk Max 10 dBm | 7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7 | 33 GHz 31 GHz 0US N .63 dB е 5.9 µs е | -49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa | m .11g 24: 2 Mode A | uto FFT | | | -0.91 dBm |
| M5 1 Spectrum Ref Level 17.63 dBm 0 Att 30 dE SGL Count 100/100 1Pk Max 10 dBm 0 dBm | 7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7 | 33 GHz 31 GHz 0US N .63 dB е 5.9 µs е | -49.98 dBi /NT 802. RBW 100 kHz VBW 300 kHz | .11g 24 | uto FFT | | | -0.91 dBm |
| M5 1 Spectrum Ref Level 17.63 dBm 0 Att 30 dE SGL Count 100/100 1Pk Max 10 dBm 0 dBm | 7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7 | 33 GHz 31 GHz 0US N .63 dB е 5.9 µs е | -49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa | m .11g 24: 2 Mode A | uto FFT | | | -0.91 dBm |
| M5 1 Spectrum Ref Level 17.63 dBm Att 30 de SGL Count 100/100 1Pk Max 10 dBm -10 dBm -10 dBm | 7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7 | 33 GHz 31 GHz 0US N .63 dB е 5.9 µs е | -49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa | m .11g 24: 2 Mode A | uto FFT | | | -0.91 dBm |
| M5 1 T Spectrum Ref Level 17.63 dBm | 7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7 | 33 GHz 31 GHz 0US N .63 dB е 5.9 µs е | -49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa | m .11g 24: 2 Mode A | uto FFT | | 2.415 | -0.91 dBm 5121900 GHz |
| M5 1 Spectrum Ref Level 17.63 dBm 0 Att 30 dE SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm | 7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7 | 33 GHz 31 GHz 0US N .63 dB е 5.9 µs е | -49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa | m .11g 24: 2 Mode A | uto FFT | | 2.415 | -0.91 dBm |
| M5 1 Spectrum Ref Level 17.63 dBm 30 dE SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm | 7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7 | 33 GHz 31 GHz 0US N .63 dB е 5.9 µs е | -49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa | m .11g 24: 2 Mode A | uto FFT | | 2.415 | -0.91 dBm 5121900 GHz |
| M5 1 Spectrum Ref Level 17.63 dBm 0 Att 30 dE SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm | 7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7 | 33 GHz 31 GHz OUS N .63 dB е 5.9 µs е | -49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa | m .11g 24: 2 Mode A | uto FFT | | 2.415 | -0.91 dBm 5121900 GHz |
| M5 1 Spectrum Ref Level 17.63 dBm 0 Att 30 dE SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm | 7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7 | 33 GHz 31 GHz OUS N .63 dB е 5.9 µs е | -49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa | m .11g 24: 2 Mode A | uto FFT | | 2.415 | -0.91 dBm 5121900 GHz |
| M5 1 Spectrum Ref Level 17.63 dBm 0 Att 30 dE SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm | 7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7 | 33 GHz 31 GHz OUS N .63 dB е 5.9 µs е | -49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa | m .11g 24: 2 Mode A | uto FFT | | 2.415 | -0.91 dBm 5121900 GHz |
| M5 1 Spectrum Ref Level 17.63 dBm Att 30 dB 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm | 7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7 | 33 GHz 31 GHz OUS N .63 dB е 5.9 µs е | -49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa | m .11g 24: 2 Mode A | uto FFT | | 2.415 | -0.91 dBm 5121900 GHz |
| M5 1 Spectrum Ref Level 17.63 dBm 0 Att 30 dE SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm | 7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7 | 33 GHz 31 GHz OUS N .63 dB е 5.9 µs е | -49.98 dBi /NT 802. RBW 100 kHz yBW 300 kHz | m .11g 24: 2 Mode A | uto FFT | | 2.415 | -0.91 dBm 5121900 GHz |



| Ref Level Att SGL Count 1Pk Max | 17.63 dBm 30 dB 10/10 | | | BW 100 kHz /BW 300 kHz | | ∖uto Sweep | | | |
|--|---|--|------------------------------------|--|---|-----------------|---------|--|--------------------------|
| 10 dBm- | | | | | M | 1[1] | | _ | -1.27 dBm |
| м | L | | | | M | 2[1] | | 2. | 419130 GHz -45.34 dBm |
| 0 dBm | | | | | | | | 16. | 387015 GHz |
| -10 dBm | | | | | | | | | |
| -20 dBm | D1 -20.908 | dBm | | | | | | | |
| -30 dBm | | | | | | | | | |
| -40 dBm | M | 3 M4 | M5 | | | M2 | | | |
| -50 dBm | Hara Barlanda Mara | | | | المائية الإيرانية بيناية ويسمع مراسية بريونا والمائية معروسة م | | | الاردانين المراجعة الم المراجعة المراجعة المراجعة الم | |
| -60 asm | CONSTRUCTION OF CONSTRUCTION | · · · · | | | | | | | |
| -70 dBm | | | | | | | | | |
| | | | | | | | | | |
| Start 30.0 Marker | MHz | | | 30001 | pts | | | Sto | p 25.0 GHz |
| Type Ref | | X-value | | Y-value | Funct | tion | Fund | tion Resu | lt |
| M1 M2 | 1 | 2.4191 | L3 GHz L5 GHz | -1.27 dBn -45.34 dBn | n | | | | |
| M3 | 1 | 4.99403 | | -49.98 dBn | | | | | |
| | | 7 05222 | | | | | | | |
| M4 M5 Spectrum | | | ous NV | -49.76 dBn -50.84 dBn /NT 802. | n 11g 24 |) Post 37MHz | Ant1 Re | ef | |
| M4 M5 Spectrum | 1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0 | 9.60516 x. Spuri Offset 7 | OUS NV | -50.84 dBn /NT 802. | n 11g 24: | | Ant1 Re | ef | |
| M4 M5 Spectrum Ref Level | 1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0 | 9.60516 x. Spuri Offset 7 | OUS NV | -50.84 dBn /NT 802. BW 100 kHz | n 11g 24: | Auto FFT | Ant1 Re | əf | |
| M4 M5 Spectrum Ref Level Att SGL Count 1Pk Max | 1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0 | 9.60516 x. Spuri Offset 7 | OUS NV | -50.84 dBn /NT 802. BW 100 kHz | n 11g 24: | | Ant1 Re | | 2.35 dBm 736200 GHz |
| M4 M5 Spectrum Ref Level Att SGL Count | 1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0 | 9.60516 x. Spuri Offset 7 | OUS NV | -50.84 dBn /NT 802. BW 100 kHz | n 11g 24: | Auto FFT | Ant1 Re | | 2.35 dBm |
| M4 M5 Spectrum Ref Level Att SGL Count 1Pk Max | 1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0 | 9.60516 x. Spuri offset 7 swt 7 | OUS NV .77 dB • R 5.9 μs • V | -50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz | 11g 24: | Auto FFT | | | 2.35 dBm |
| M4 M5 Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm | 1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0 | 9.60516 x. Spuri offset 7 swt 7 | OUS NV .77 dB • R 5.9 μs • V | -50.84 dBn /NT 802. BW 100 kHz | 11g 24: Mode 4 | Auto FFT | | | 2.35 dBm |
| M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -10 dBm | 1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0 0 0 | 9.60516 x. Spuri offset 7 swt 7 | OUS NV .77 dB • R 5.9 μs • V | -50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz | 11g 24: Mode 4 | Auto FFT | | | 2.35 dBm |
| M4 M5 Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm | 1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0 0 0 | 9.60516 x. Spuri offset 7 swt 7 | OUS NV .77 dB • R 5.9 μs • V | -50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz | 11g 24: Mode 4 | Auto FFT | | 2,430 | 2.35 dBm |
| M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -20 dBm | T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 9.60516 x. Spuri offset 7 swt 7 | OUS NV .77 dB • R 5.9 μs • V | -50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz | 11g 24: Mode 4 | Auto FFT | | | 2.35 dBm |
| M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -20 dBm -30 dBm | T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 9.60516 x. Spuri offset 7 swt 7 | OUS NV .77 dB • R 5.9 μs • V | -50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz | 11g 24: Mode 4 | Auto FFT | | 2.430 | 2.35 dBm 736200 GHz |
| M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -20 dBm | T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 9.60516 x. Spuri offset 7 swt 7 | OUS NV .77 dB • R 5.9 μs • V | -50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz | 11g 24: Mode 4 | Auto FFT | | 2.430 | 2.35 dBm |
| M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -20 dBm -30 dBm | T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 9.60516 x. Spuri offset 7 swt 7 | OUS NV .77 dB • R 5.9 μs • V | -50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz | 11g 24: Mode 4 | Auto FFT | | 2.430 | 2.35 dBm 736200 GHz |
| M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm | T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 9.60516 x. Spuri offset 7 swt 7 | OUS NV .77 dB • R 5.9 μs • V | -50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz | 11g 24: Mode 4 | Auto FFT | | 2.430 | 2.35 dBm 736200 GHz |
| M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm 40 dBm | T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 9.60516 x. Spuri offset 7 swt 7 | OUS NV .77 dB • R 5.9 μs • V | -50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz | 11g 24: Mode 4 | Auto FFT | | 2.430 | 2.35 dBm 736200 GHz |
| M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm | T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 9.60516 x. Spuri offset 7 swt 7 | OUS NV .77 dB • R 5.9 μs • V | -50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz | 11g 24: Mode 4 | Auto FFT | | 2.430 | 2.35 dBm 736200 GHz |
| M4 M5 Spectrum Ref Level Att SGL Count ID dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm | T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 9.60516 x. Spuri offset 7 swt 7 | OUS NV .77 dB • R 5.9 μs • V | -50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz | 11g 24: Mode 4 | Auto FFT | | 2.430 | 2.35 dBm 736200 GHz |



| Ref Level 17. Att SGL Count 10/1 | 30 dB | | | RBW 100 ki VBW 300 ki | | e Auto Swe | ер | | |
|--|---|-----------------------|--------------------|--------------------------------------|----------------------|---------------------|--------------------|---|-----------------------|
| 1Pk Max | | | | | | | | | |
| 10 dBm | | | | | | M1[1] | | 2.4 | 0.73 dBm 44930 GHz |
| 0 dBm | | | | | | M2[1] | | - | 44.96 dBm |
| | | | | | | 1 | 1 | 2.6 | 16060 GHz |
| -10 dBm | -17.650 d | lB m | | | | | | | |
| -20 dBm | .17.030 0 | | | | | | | | |
| -30 dBm | | | | | | | | | |
| -40 dBm - 12 | | 2 M4 | | MB | | | | | |
| -50 dBm | M3 Martin Martin | | ang nului para | | | | and Kanda Calabia. | الله مع در المارينية (ماريكاني). المريد المريد المريد المارينية (ماريكانية). المريد المريد المريد المريد المريد المريد المريد المريد المريد الم | Andreastanti |
| -60 dBm | and the second secon | and the second second | and providence | | | | | | |
| -70 dBm | | | | _ | | _ | _ | | |
| | | | | | | | | | |
| Start 30.0 MHz | : ' | | | 3000 |)1 pts | 1 | 1 | Stop | 25.0 GHz |
| /larker Type Ref Ti | rc I | X-value | 1 | Y-value | Fui | nction | Fund | tion Result | |
| M1 | 1 | 2.4449 | 93 GHz | 0.73 d | Bm | | | | |
| M2 M3 | 1 | 2.6160 | D6 GHz | -44.96 d -50.54 d | | | | | |
| M4 | 1 | 7.34787 | 75 GHz | -49.12 d | Bm | | | | |
| M5 | 1 | 9.78411 | 14 GHz | -50.28 d | Bm | | | | |
| - | | | | | | 462MH | z Ant1 Re | ef | |
| Ref Level 17. Att | 72 dBm 30 dB | Offset 7 | .72 dB 🧉 | IVNT 802 RBW 100 ki VBW 300 ki | Ηz | 2462MH | z Ant1 Re | əf | |
| Ref Level 17. Att SGL Count 100/ | 72 dBm 30 dB | Offset 7 | .72 dB 🧉 | RBW 100 kł | Ηz | | z Ant1 Re | ef | |
| Ref Level 17. Att SGL Count 100/ 1Pk Max | 72 dBm 30 dB | Offset 7 | .72 dB 🧉 | RBW 100 kł | Hz Hz Mode | | z Ant1 Re | | 1.22 dBm |
| Ref Level 17. Att SGL Count 100/ 1Pk Max | 72 dBm 30 dB | Offset 7 | .72 dB 🧉 | RBW 100 kł | Hz Hz Mode | • Auto FFT M1[1] | z Ant1 Re | | |
| Ref Level 17. Att SGL Count 100/) IPk Max 10 dBm | 72 dBm 30 dB | Offset 7 SWT 7 | 2.72 dB 25.9 μs | RBW 100 ki | Hz Hz Mode | Auto FFT M1[1] | | | 1.22 dBm |
| Ref Level 17. Att SGL Count 100/) IPk Max 10 dBm | 72 dBm 30 dB | Offset 7 SWT 7 | 2.72 dB 25.9 μs | RBW 100 kł | Hz Hz Mode | Auto FFT M1[1] | z Ant1 Re | | 1.22 dBm |
| Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm 0 dBm | 72 dBm 30 dB | Offset 7 SWT 7 | 2.72 dB 25.9 μs | RBW 100 ki | Hz Hz Mode | Auto FFT M1[1] | | | 1.22 dBm |
| Att SGL Count 100/ JIPk Max 10 dBm 0 dBm -10 dBm | 72 dBm 30 dB | Offset 7 SWT 7 | 2.72 dB 25.9 μs | RBW 100 ki | Hz Hz Mode | Auto FFT M1[1] | | | 1.22 dBm |
| Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm 0 dBm | 72 dBm 30 dB | Offset 7 SWT 7 | 2.72 dB 25.9 μs | RBW 100 ki | Hz Hz Mode | Auto FFT M1[1] | | | 1.22 dBm |
| Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm 0 dBm -10 dBm -20 dBm | 72 dBm 30 dB | Offset 7 SWT 7 | 2.72 dB 25.9 μs | RBW 100 ki | Hz Hz Mode | Auto FFT M1[1] | | | 1.22 dBm |
| Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm | 72 dBm 30 dB | Offset 7 SWT 7 | 2.72 dB 25.9 μs | RBW 100 ki | Hz Hz Mode | Auto FFT M1[1] | | | 1.22 dBm |
| Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm 0 dBm -10 dBm -20 dBm | 72 dBm 30 dB | Offset 7 SWT 7 | 2.72 dB 25.9 μs | RBW 100 ki | Hz Hz Mode | Auto FFT M1[1] | | | 1.22 dBm |
| Ref Level 17. Att SGL Count 100/ 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm | 72 dBm 30 dB | Offset 7 SWT 7 | 2.72 dB 25.9 μs | RBW 100 ki | Hz Hz Mode | Auto FFT M1[1] | | | 1.22 dBm |
| Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm -0 dBm -20 dBm -30 dBm -30 dBm -50 dBm | 72 dBm 30 dB | Offset 7 SWT 7 | 2.72 dB 25.9 μs | RBW 100 ki | Hz Hz Mode | Auto FFT M1[1] | | | 1.22 dBm |
| Ref Level 17. Att SGL Count 100/ 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm | 72 dBm 30 dB | Offset 7 SWT 7 | 2.72 dB 25.9 μs | RBW 100 ki | Hz Hz Mode | Auto FFT M1[1] | | | 1.22 dBm |
| Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm -0 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm | 72 dBm 30 dB | Offset 7 SWT 7 | 2.72 dB 25.9 μs | RBW 100 ki | Hz Hz Mode | Auto FFT M1[1] | | | 1.22 dBm |
| Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm -0 dBm -20 dBm -30 dBm -30 dBm -50 dBm | 72 dBm 30 dB | Offset 7 SWT 7 | 2.72 dB 25.9 μs | RBW 100 ki | Hz Hz Mode | Auto FFT M1[1] | | | 1.22 dBm |
| Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm -0 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm | 72 dBm 30 dB | Offset 7 SWT 7 | 2.72 dB 25.9 μs | RBW 100 ki VBW 300 ki | Hz Hz Mode | Auto FFT M1[1] | | 2.4645 | 1.22 dBm |



| ●1Pk Max | | 1 1 | | | |
|---|--|--|------------------------------|---|---------------------|
| 10 dBm | | | M1[1] | -1.28 2.464080 | |
| | | | M2[1] | -45.62 | dBm |
| | | | 1 1 | 16.266326 | GHZ |
| -10 dBm | 777 d0 m | | | | |
| -20 dBm | 777 dBm | | | | |
| -30 dBm | | | | | _ |
| -40 dBm | M4 | | M2 | | |
| -50 dBm | MB M4 | M5 | مذياه الدينة بالمقاطعة وسالي | والالال المانية ومناجرة المتلاطريسة | |
| -60 dBm | and a second | na ang mang pang pang pang pang pang pang pang p | | and the second se | J. C. Store and B. |
| -70 dBm | | | | | |
| , o dbiii | | | | | |
| Start 30.0 MHz | | 30001 pts | | Stop 25.0 | GHz |
| Marker | × • • | | | Freedland 1 | |
| Type Ref Trc | 2.46408 GHz | -1.28 dBm | unction | Function Result | |
| M2 1 | 16.266326 GHz | -45.62 dBm | | | |
| M3 1 M4 1 | 4.975725 GHz 7.521832 GHz | -51.00 dBm -48.94 dBm | | | |
| | | | | | |
| M5 1 Spectrum Ref Level 17.63 Att 3 SGL Count 100/100 | 0 dB SWT 75.9 µs 🥃 | RBW 100 kHz | 20) 2412MHz de Auto FFT | z Ant1 Ref | |
| M5 1 Spectrum Ref Level 17.63 Att 3 | 3. Spurious NVN dBm Offset 7.63 dB 0 dB SWT 75.9 μs € | T 802.11n(HT2 | - | z Ant1 Ref | |
| M5 1 Spectrum Ref Level 17.63 Att 3 SGL Count 100/100 | 3. Spurious NVN dBm Offset 7.63 dB 0 dB SWT 75.9 μs € | T 802.11n(HT2 | de Auto FFT | | dBm |
| M5 1 Spectrum Ref Level 17.63 Ref Level 17.63 3 SGL Count 100/10 10 PIPk Max 10 | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo | de Auto FFT | -1.17 2.417243800 | dBm |
| M5 1 Spectrum Ref Level 17.63 Att 3 SGL Count 100/10 91Pk Max | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo | de Auto FFT | -1.17 2.417243800 | dBm |
| M5 1 Spectrum Ref Level 17.63 Ref Level 17.63 3 SGL Count 100/10 10 PIPk Max 10 | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 | de Auto FFT | -1.17 2.417243800 | dBm |
| M5 1 Spectrum Tx Ref Level 17.63 Att 3 SGL Count 100/100 1Pk Max 10 0 dBm -10 dBm | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo | de Auto FFT | -1.17 2.417243800 | dBm |
| M5 1 Spectrum Tx Ref Level 17.63 Att 3 SGL Count 100/100 1Pk Max 10 0 dBm 0 | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo | de Auto FFT | -1.17 2.417243800 | dBm |
| M5 1 Spectrum T Ref Level 17.63 Att 3 SGL Count 100/100 1Pk Max 10 dBm -10 -10 dBm -20 dBm | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo | de Auto FFT | -1.17 2.417243800 M/MM4 | dBm) GHz |
| M5 1 Spectrum Tx Ref Level 17.63 Att 3 SGL Count 100/100 1Pk Max 10 dBm - -10 dBm - -20 dBm - | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo | de Auto FFT | -1.17 2.417243800 | dBm) GHz |
| M5 1 Spectrum Ref Level 17.63 Att 3 SGL Count 100/100 1Pk Max 10 dBm 0 -10 dBm -20 dBm | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo | de Auto FFT | -1.17 2.417243800 M/MM4 | dBm) GHz |
| M5 1 Spectrum T Ref Level 17.63 Att 3 SGL Count 100/100 1Pk Max 10 dBm -10 -10 dBm -20 dBm | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo | de Auto FFT | -1.17 2.417243800 M/MM4 | dBm) GHz |
| M5 1 Spectrum T Ref Level 17.63 Att 3 SGL Count 10 dBm 10 -10 dBm -0 -20 dBm -30 dBm -30 dBm -50 dBm | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo | de Auto FFT | -1.17 2.417243800 M/MM4 | dBm) GHz |
| M5 1 Spectrum Ref Level 17.63 Att 3 SGL Count 100/100 1Pk Max 10 dBm 0 -10 dBm - -20 dBm - -30 dBm - | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo | de Auto FFT | -1.17 2.417243800 M/MM4 | dBm) GHz |
| M5 1 Spectrum T Ref Level 17.63 Att 3 SGL Count 10 dBm 10 -10 dBm -0 -20 dBm -30 dBm -30 dBm -50 dBm | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo | de Auto FFT | -1.17 2.417243800 M/MM4 | dBm) GHz |
| M5 1 Spectrum 3 Ref Level 17.63 Att 3 SGL Count 100/10 INK 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm -70 dBm | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo | de Auto FFT | -1.17 2.417243800 M/MM4 | dBm) GHz |
| M5 1 Spectrum 3 Ref Level 17.63 3 SGL Count 100/10 1 ● 1Pk Max 1 10 dBm 0 -10 dBm -1 -20 dBm -30 dBm -50 dBm -60 dBm | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo | de Auto FFT | -1.17 2.417243800 M/MM4 | dBm) GHz ₩∿₩ |
| M5 1 Spectrum 3 Ref Level 17.63 Att 3 SGL Count 100/10 INK Max 10 O dBm - -10 dBm - -20 dBm - -30 dBm - -50 dBm - -70 dBm - -80 dBm - | dBm Offset 7.63 dB 0 dB SWT 75.9 μs | T 802.11n(HT2 RBW 100 kH2 YBW 300 kH2 Mon Wmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm | de Auto FFT | -1.17 2.417243800 | dBm GHz |



| SGL Count 10/10 91Pk Max | | | | | | |
|--|---|---|--|----------------------|--------------------|----------------------------|
| 10 dBm | | | M1[1] | | 2.4 | -2.26 dBm 17470 GHz |
| 0 dBm ML | | | M2[1] | | - | 45.69 dBm 18411 GHz |
| -10 dBm | | | | | | |
| -20.dBm-01 -21.173 | | | | | | |
| -30 dBm | | | | | | |
| -40 dBm | | | M2 | | | |
| -50,dBm | 3 M4 | MS | A DESCRIPTION OF THE OWNER | والمرجر وروالي أربار | March Carlos | and a star way by |
| | a fantas disatang ^{ad} h <mark>disa</mark> ta sa basa sa | and the second se | The state of the second s | the physical and the | May and an article | and the state of the state |
| -70 dBm | | | | | | |
| | | | | | | |
| Start 30.0 MHz Marker | | 3000 | 1 pts | | Stop | 25.0 GHz |
| Type Ref Trc | X-value | Y-value | Function | Func | tion Result | |
| M1 1 M2 1 | 2.41747 GH 15.918411 GH | | | | | |
| M3 1 M4 1 | 4.820911 GH 7.324569 GH | | | | | |
| | 7.524509 GF | | | | | |
| M5 1 | 9.844875 GH | Hz -50.14 dB | im | | | |
| M5 1 Tx. 5 Spectrum Ref Level 17.77 dBr Att 30 d | Spurious N | VNT 802.11r db • RBW 100 kH | HT20) 2437 | MHz Ant ¹ | I Ref | |
| M5 1 TX. 5 Spectrum Ref Level 17.77 dBr | Spurious N | VNT 802.11r db • RBW 100 kH | n(HT20) 2437 | MHz Ant | I Ref | -1.45 dBm |
| M5 1 Tx. 5 Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 | Spurious N | VNT 802.11r db • RBW 100 kH | n(HT20) 2437 | MHz Ant1 | | |
| M5 1 Tx. 5 Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 1Pk Max | Spurious N n offset 7.77 c B swr 75.9 p | VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH | (HT20) 2437 | | | -1.45 dBm |
| M5 1 Tx. 5 Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 P1Pk Max 10 dBm 0 dBm | Spurious N n offset 7.77 c B swr 75.9 p | VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH | n(HT20) 2437 | | | -1.45 dBm |
| M5 1 Tx. Tx. Spectrum Tx. Ref Level 17.77 dBr Att 30 d SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm | Spurious N n offset 7.77 c B swr 75.9 p | VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH | (HT20) 2437 | | | -1.45 dBm |
| M5 1 TX. 5 Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 9 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm | Spurious N n offset 7.77 c B swr 75.9 p | VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH | (HT20) 2437 | | | -1.45 dBm |
| M5 1 Tx. 3 Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 P1Pk Max 10 dBm -10 dBm -20 dBm | Spurious N n offset 7.77 c B swr 75.9 p | VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH | (HT20) 2437 | | 2.4310 | -1.45 dBm 91200 GHz |
| M5 1 TX. 5 Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 9 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm | Spurious N n offset 7.77 c B swr 75.9 p | VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH | (HT20) 2437 | | 2.4310 | -1.45 dBm |
| M5 1 Tx. 3 Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 P1Pk Max 10 dBm -10 dBm -20 dBm | Spurious N n offset 7.77 c B swr 75.9 p | VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH | (HT20) 2437 | | 2.4310 | -1.45 dBm 91200 GHz |
| M5 1 Tx. Tx. Spectrum Tx. Ref Level 17.77 dBr Att 30 d SGL Count 100/100 IPk Max 10 dBm I0 dBm -0 dBm -10 dBm -0 dBm -20 dBm -0 dBm 40 dBm -0 dBm | Spurious N n offset 7.77 c B swr 75.9 p | VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH | (HT20) 2437 | | 2.4310 | -1.45 dBm 91200 GHz |
| M5 1 Tx. Tx. Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 10 dBm O dBm O O Max 10 dBm -10 dBm -20 dBm Max Max Max -20 dBm Max Max | Spurious N n offset 7.77 c B swr 75.9 p | VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH | (HT20) 2437 | | 2.4310 | -1.45 dBm 91200 GHz |
| M5 1 Tx. Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 IN Max 10 dBm 0 dBm | Spurious N n offset 7.77 c B swr 75.9 p | VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH | (HT20) 2437 | | 2.4310 | -1.45 dBm 91200 GHz |
| MS 1 Tx. Tx. Spectrum 30 d Ref Level 17.77 dBr Att 30 d SGL Count 100/100 IN In In 0 dBm In In -10 dBm In In -20 dBm In In -30 dBm In In -50 dBm In In -60 dBm In In In | Spurious N n offset 7.77 c B swr 75.9 p | VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH | 2 2 2 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 | | 2.4310 | -1.45 dBm 91200 GHz |
| M5 1 Ref Level 17.77 dBr Ref Level 17.77 dBr Att 30 d SGL Count 100/100 IPk Max 10 dBm 10 dBm | Spurious N n offset 7.77 c B swr 75.9 p | VNT 802.11r | 2 2 2 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 | | 2.4310 | -1.45 dBm 91200 GHz |



| 10 dBm 2.434950 GH 0 dBm M2[1] -46.52 dBm -20 dBm 01 -21.447 dBm -30 dBm -10 dBm -40 dBm -10 dBm -30 dBm -10 dBm -40 dBm -10 dBm -30 dBm -10 dBm -40 dBm -10 dBm -50 dBm -10 dBm -50 dBm -10 dBm -50 dBm -10 dBm -50 dBm -10 dBm -70 dBm -10 dBm -70 dBm -10 dBm -70 dBm -11 - 15.359083 GHz -11 - 15.359083 GHz -1.45 dBm M3 1 -2.3743 GHz -11 - 15.359083 GHz -46.52 dBm M3 1 -3.97437 GHz -50.50 dBm -1.45 dBm M4 1 7.384497 GHz -50.50 dBm -1.45 dBm M4 1 9.809917 GHz -50.50 dBm -1.45 dBm M4 1 9.8049 GHz -10 dBm -1.72 dB RBW 100 kHz Att 30 dB SW | SGL Count 10 91Pk Max | /10 | | | | | | | | |
|--|--|-----------------------------|-------------------|--|-----------------------------|--|------------------|----------|---|------------------------|
| 0 dbm M2[1] 1.3-45.52 dbm -10 dbm -10 dbm -10 dbm -10 dbm -20 dbm 01 - 21.447 dbm -10 dbm -10 dbm -30 dbm -10 dbm -10 dbm -10 dbm -10 dbm -30 dbm -10 dbm -10 dbm -10 dbm -10 dbm -30 dbm -10 dbm -10 dbm -10 dbm -10 dbm -30 dbm -10 dbm -10 dbm -10 dbm -10 dbm -30 dbm -10 dbm -10 dbm -10 dbm -10 dbm -30 dbm -11 dbm -10 dbm -10 dbm -10 dbm -70 dbm -10 dbm -10 dbm -10 dbm -10 dbm -70 dbm -10 dbm -1.45 dbm -1.45 dbm -1.45 dbm Mater -10 dbm -1.45 dbm -1.45 dbm -1.45 dbm M2 1 1.3359083 GHz -50.50 dbm -50.50 dbm -50.50 dbm M4 1 7.384497 GHz -50.50 dbm -50.50 dbm -50.50 dbm Spectrum -1.45 dbm -1.45 dbm -1.45 dbm -1.45 dbm -1.45 dbm -1.45 dbm <td< th=""><th>10 dBm</th><th></th><th></th><th></th><th></th><th>M</th><th>1[1]</th><th></th><th>2.4</th><th>-1.45 dBm 34950 GHz</th></td<> | 10 dBm | | | | | M | 1[1] | | 2.4 | -1.45 dBm 34950 GHz |
| -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -7 | м | | | | | M | 2[1] | | - | 46.52 dBm |
| -20.dBm 01 -21.447 dBm -30 dBm MB -40 dBm MB -50 dBm MB -50 dBm MB -70 dBm -1.45 dBm Markar -1.45 dBm M1 1 1 2.43495 GHz -4.65 22 dBm -1.45 dBm M2 1 1 2.43495 GHz -4.65 22 dBm -4.65 22 dBm M3 1 4.937437 GHz -50.91 dBm M4 1 1 9.809917 GHz -50.50 dBm -50.50 dBm M5 1 9.809917 GHz -50.50 dBm Current 100/100 -50.50 dBm M4 17.72 dBm Offset 7.72 dBm M4 17.59 µs VBW 300 kHz Att 30 dB M1 0 dBm -1.45 GHz -1.45 | | | | | | | | | 15.8 | 59083 GHZ |
| -30 dBm +0 dBm +0 dBm -30 dBm -30 dBm -70 d | 0.0 10-1 | | | | | | | | | |
| +00 dBm M3 M4 M3 M3 M3 M3 M4 M3 | | 21.447 | dBm | | | | | | | |
| S0 d8m MB | | | | | | | | | | |
| -50 dBm -50 dBm -10 dBm -10 dBm -10 dBm -70 dBm -10 dBm -145 dBm -145 dBm -145 dBm Marker -145 dBm -145 dBm -145 dBm -145 dBm M2 1 15.350083 GHz -145 dBm -145 dBm -145 dBm M2 1 15.350083 GHz -46.52 dBm -145 dBm -145 dBm M3 1 4.937437 GHz -50.16 Hz -49.94 dBm -10 dBm -10 dBm M4 1 7.384497 GHz -50.50 dBm -50.50 dBm </td <td>-40 dBm</td> <td>M</td> <td>8 M4</td> <td>м</td> <td>9</td> <td></td> <td>M2</td> <td></td> <td></td> <td></td> | -40 dBm | M | 8 M4 | м | 9 | | M2 | | | |
| -70 dBm | -50 dBm | | | and the second property of the second se | i and a second second build | Last franksbille and be Marine part i part de | | | A second s | |
| Start 30.0 MHz Stop 25.0 GHz Marker Function Function Result M1 1 2.43495 GHz -1.45 dBm M2 1 15.359083 GHz -46.62 dBm - M3 1 4.937437 GHz -50.91 dBm - M4 1 7.384497 GHz -49.94 dBm - M5 1 9.809917 GHz -50.91 dBm - M6 1 9.809917 GHz -50.91 dBm - M5 1 9.809917 GHz -50.91 dBm - Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant1 Ref - - - Spectrum - - - - - 0 dBm - - Mi10 <td>-60 dBm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | -60 dBm | | | | | | | | | |
| Marker Type Ref Trc X-value Y-value Function Function Result M1 1 2.43495 GHz -1.45 dBm | -70 dBm | | | | + | | | | | |
| Marker Type Ref Trc X-value Y-value Function Function Result M1 1 2.43495 GHz -1.45 dBm Function Function Result M2 1 15.359083 GHz -46.52 dBm Function Function Result M3 1 4.937437 GHz -50.91 dBm Function Function Result M4 1 7.384497 GHz -50.50 dBm Function Function Result M5 1 9.809917 GHz -50.50 dBm Function Function M6 1 9.809917 GHz -50.50 dBm Function Function Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant1 Ref Function Result Function Function Spectrum Swr 75.9 µs WBW 300 kHz Mode Auto FFT SGL Count 100/100 IPk Max 0 dBm M1[1] 0.94 dBm 2.466967800 GH Function -10 dBm | Start 30.0 Mi | | | | 30001 | Ints | | | Stor | 25.0 GHz |
| M1 1 2.43495 GHz 1.45 dBm M2 1 15.359083 GHz 46.52 dBm M3 1 4.937437 GHz -50.91 dBm M4 1 7.384497 GHz -50.91 dBm M5 1 9.809917 GHz -50.50 dBm M5 1 9.809917 GHz -50.50 dBm Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant1 Ref Spectrum Ref Level 17.72 dBm Offset 7.72 dB RBW 100 kHz Att 30 dB SWT 75.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 91Pk Max 0 M1[1] 0.94 dBm 10 dBm | Marker | | | | | | | | 0.01 | 2010 0112 |
| M2 1 15.359083 GHz -46.52 dBm M3 1 4.937437 GHz -50.91 dBm M4 1 7.384497 GHz -49.94 dBm M5 1 9.809917 GHz -50.50 dBm M5 1 9.809917 GHz -50.50 dBm Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant1 Ref Spectrum ▼ Ref Level 17.72 dBm Offset 7.72 dB RBW 100 kHz Att 30 dB SWT 75.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 10 dBm 0.94 dBm M1 0.94 dBm 10 dBm M11 0.94 dBm -10 dBm M1 M4 -20 dBm M4 -30 dBm -50 dBm | | | | | | | tion | Func | tion Result | |
| M4 1 7.384497 GHz -49.94 dBm M5 1 9.809917 GHz -50.50 dBm Prevenue Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant1 Ref Spectrum Ref Level 17.72 dB RBW 100 kHz Att 30 dB SWT 75.9 µS VBW 300 kHz Mili 1 0.94 dBm 10 dBm 0.94 dBm 0.94 dBm -10 dBm 0.94 dBm M1 0.94 dBm -20 dBm 0.94 dBm 0.94 dBm 0.94 dBm -30 dBm 0.94 dBm 0.94 dBm 0.94 dBm -50 dBm 0.94 dBm 0.94 dBm 0.94 dBm | M2 | 1 | 15.35908 | 33 GHz | -46.52 dBr | m | | | | |
| Image: Spectrum Mile | M4 | 1 | 7.38449 | 97 GHz | -49.94 dBr | m | | | | |
| Spectrum T Ref Level 17.72 dBm Offset 7.72 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT SGL Count 100/100 IPk Max 0.94 dBm 2.466967800 GH 10 dBm M1[1] 2.466967800 GH 0 dBm M1 M1 -10 dBm M1 M1 -20 dBm M1 M1 -30 dBm M1 M1 -50 dBm M1 M1 | M5 | 1 | 9.80991 | .7 GHz | -50.50 dBr | m | | | | |
| M1 M1 0 dBm M1 M1 -10 dBm M1 M1 -20 dBm M1 M1 -30 dBm M1 M1 -50 dBm M1 M1 | Ref Level 1 Att | .7.72 dBm 30 dB | Offset 7 | .72 dB 👄 I | RBW 100 kHz | 2 | | 1Hz Ant1 | I Ref | |
| -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm | Ref Level 1 Att SGL Count 10 1Pk Max | .7.72 dBm 30 dB | Offset 7 | .72 dB 👄 I | RBW 100 kHz | z z Mode | Auto FFT | 1Hz Ant1 | | 0.94 dBm |
| -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm | Ref Level 1 Att SGL Count 10 1Pk Max | .7.72 dBm 30 dB | Offset 7 | .72 dB 👄 I | RBW 100 kHz | z z Mode | Auto FFT 1[1] | 1Hz Ant1 | | 0.94 dBm |
| -30 dBm -30 dBm -40 dBm -50 dBm | Ref Level 1 Att SGL Count 10 PIPk Max 10 dBm | 7.72 dBm 30 dB | Offset 7 SWT 7 | .72 dB ⊕ Π 5.9 μs ⊕ Ν | RBW 100 kHz VBW 300 kHz | z 2 Mode . M | Auto FFT | | | 0.94 dBm |
| -30 dBm -30 dBm -40 dBm -50 dBm | Ref Level 1 Att SGL Count 10 PK Max 10 dBm 0 dBm | 7.72 dBm 30 dB | Offset 7 SWT 7 | .72 dB ⊕ Π 5.9 μs ⊕ Ν | RBW 100 kHz VBW 300 kHz | z 2 Mode . M | Auto FFT | | | 0.94 dBm |
| -40 dBm | Ref Level 1 Att SGL Count 10 1Pk Max 10 dBm 0 dBm | 7.72 dBm 30 dB | Offset 7 SWT 7 | .72 dB ⊕ Π 5.9 μs ⊕ Ν | RBW 100 kHz VBW 300 kHz | z 2 Mode . M | Auto FFT | | | 0.94 dBm |
| -50 dBm | Ref Level 1 Att SGL Count 10 1Pk Max 10 dBm 0 dBm | 7.72 dBm 30 dB | Offset 7 SWT 7 | .72 dB ⊕ Π 5.9 μs ⊕ Ν | RBW 100 kHz VBW 300 kHz | z 2 Mode . M | Auto FFT | | | 0.94 dBm |
| -50 dBm | Ref Level 1 Att SGL Count 10 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm | 7.72 dBm 30 dB 10/100 | Offset 7 SWT 7 | .72 dB ⊕ Π 5.9 μs ⊕ Ν | RBW 100 kHz VBW 300 kHz | z 2 Mode . M | Auto FFT | | 2.4665 | 0.94 dBm 67800 GHz |
| | Ref Level 1 Att SGL Count 10 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm | 7.72 dBm 30 dB 10/100 | Offset 7 SWT 7 | .72 dB ⊕ Π 5.9 μs ⊕ Ν | RBW 100 kHz VBW 300 kHz | z 2 Mode . M | Auto FFT | | 2.4665 | 0.94 dBm 67800 GHz |
| -60 dBm | Ref Level 1 Att SGL Count 10 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm | 7.72 dBm 30 dB 10/100 | Offset 7 SWT 7 | .72 dB ⊕ Π 5.9 μs ⊕ Ν | RBW 100 kHz VBW 300 kHz | z 2 Mode . M | Auto FFT | | 2.4665 | 0.94 dBm 67800 GHz |
| | Ref Level 1 Att SGL Count 10 • 1Pk Max 10 dBm • 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm | 7.72 dBm 30 dB 10/100 | Offset 7 SWT 7 | .72 dB ⊕ Π 5.9 μs ⊕ Ν | RBW 100 kHz VBW 300 kHz | z 2 Mode . M | Auto FFT | | 2.4665 | 0.94 dBm 67800 GHz |
| | Ref Level 1 Att SGL Count 10 ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm | 7.72 dBm 30 dB 10/100 | Offset 7 SWT 7 | .72 dB ⊕ Π 5.9 μs ⊕ Ν | RBW 100 kHz VBW 300 kHz | z 2 Mode . M | Auto FFT | | 2.4665 | 0.94 dBm 67800 GHz |
| -70 dBm | Ref Level 1 Att SGL Count 10 ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm | 7.72 dBm 30 dB 10/100 | Offset 7 SWT 7 | .72 dB ⊕ Π 5.9 μs ⊕ Ν | RBW 100 kHz VBW 300 kHz | z 2 Mode . M | Auto FFT | | 2.4665 | 0.94 dBm 67800 GHz |
| -80 dBm | Ref Level 1 Att SGL Count 10 • IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm | 7.72 dBm 30 dB 10/100 | Offset 7 SWT 7 | .72 dB ⊕ Π 5.9 μs ⊕ Ν | RBW 100 kHz VBW 300 kHz | z 2 Mode . M | Auto FFT | | 2.4665 | 0.94 dBm 67800 GHz |
| CF 2.462 GHz 30001 pts Span 30.0 MHz | Ref Level 1 Att SGL Count 10 ID dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm | 7.72 dBm 30 dB 10/100 | Offset 7 SWT 7 | .72 dB ⊕ Π 5.9 μs ⊕ Ν | RBW 100 kHz VBW 300 kHz | z 2 Mode . M | Auto FFT | | 2.4665 | 0.94 dBm 67800 GHz |
| Ready (| Ref Level 1 Att SGL Count 10 ID dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm -70 dBm -80 dBm | 7.72 dBm 30 dB 10/100 | Offset 7 SWT 7 | .72 dB ⊕ Π 5.9 μs ⊕ Ν | RBW 100 kHz | 2 Mode | Auto FFT | | 2.4665 | 0.94 dBm 67800 GHz |



| Spectru | <u> </u> | ourious NV | NT 80 | 02.11n(HT | Г20) 24 | 162MH | z Ant1 E | mission | |
|----------------------------|-----------------------|---|----------------------|----------------------------|-------------------------------|-------------|-----------------------------------|---------------------------|--------------------------|
| Ref Lev Att SGL Cour | | | - | RBW 100 kHz VBW 300 kHz | Mode / | luto Swee | p | | (, |
| ⊖1Pk Max | | | | | | | | | |
| | | | | | M | 1[1] | | | 0.05 dBm |
| 10 dBm— | | | | | | | | 2.4 | 67410 GHz |
| 0 dBm | 4 | | | | M | 2[1] | | | 45.56 dBm |
| U UBM | | | | | | | | 16.3 | 42901 GHz |
| -10 dBm— | | | | | | | | | |
| | | | | | | | | | |
| -20 dBm— | D1 -19.0 | 55 dBm | | ++ | | | | | |
| | | | | | | | | | |
| -30 dBm— | | | | | | | | | |
| -40 dBm— | | | | | | | | | |
| -40 ubiii | | M3 M4 | | M5 | | M2 | | | |
| -50 dBm— | | | | . d. from the | أساميرا معيوي | and a fille | بالانتقارين وسيقابله | الخافة يرجي والباء المتلا | and subset of the second |
| (interal deputitions) | and the second second | and product of the second s | and a standard state | | م محادث المالية من المالية من | | and the state of the state of the | Telescost at mostly | A sector particular |
| 60 dBm— | 1.000 | | | ++ | | | + | | |
| | | | | | | | | | |
| -70 dBm— | | | | | | | | | |
| | | | | | | | | | |
| Start 30. | 1 MHz | | | 30001 | nts | | 1 | Stor | 25.0 GHz |
| larker | | | | | - · · | | | | |
| | ef Trc | X-value | 1 | Y-value | Fund | tion | Fund | tion Result | - 1 |
| M1 | 1 | 2,46741 | GHz | 0.05 dBm | | | - Tun | | |
| M2 | 1 | 16.342901 | | -45.56 dBm | | | | | |
| M3 | 1 | 5.090587 | | -50.29 dBm | | | | | |
| | 1 | 7.303761 | | -49.84 dBm | | | | | |
| M4 | | | | | | | | | |

END OF REPORT