W5CT°





TEST REPORT

WSET

WSC7

FCC ID: KA2WR932WB1

Product: D-Link

Model No.: DWR-932W, DWR-932W/X, DWR-932W/XXX (X CAN

BE 0-9, A-Z)

W5 [7] Trade Mark: D-Link

Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi

Issued Date: 06 May 2025

W5 ET

Issued for:

D-Link Corporation

14420 Myford Road Suite 100, Irvine, California 92606, United States

WSCT

Issued By:

World Standardization Certification & Testing Group(Shenzhen) Co.,Ltd. Building A-B, Baoli'an Industrial Park, No. 58 Tangtou Avenue, Shiyan Street,

Bao'an District, Shenzhen, Guangdong, China

TEL: +86-755-26996192

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W5CT

W5ET°

WSCT

深圳世标检测认证股份有限公司

W5 C1

W5CT°





Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi

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VS CT° WS C

et, Bao'an District, Shenzhen City, Guangdong Province, China

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World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.

FAX: 0086-755-86376605





Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi

Test Certification

Product:

D-Link 5 5

Model No.:

DWR-932W, DWR-932W/X, DWR-932W/XX, DWR-932W/XXX (X CAN BE

0-9, A-Z)

Additional

D-Link

W5CT°

W5 CT

Model:

Applicant:

D-Link Corporation

14420 Myford Road Suite 100, Irvine, California 92606, United States

14420 Myford Road Suite 100, Irvine, California 92606, United States

Manufacturer:

D-LINK CORPORATION

Date of receipt:

04 March 2025

Date of Test:

05 March 2025 to 10 April 2025

Applicable Standards:

FCC CFR Title 47 Part 15 Subpart C Section 15.247

The above equipment has been tested by World Standardization Certification & Testing Group (Shenzhen) Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Nang

WSCT

Tested By:

(Wang Xiang)

Checked By:

(Qin Shuiquan)

Approved By:

WSCI

(Li Huaibi)

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Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi

WSET[®]

2. Test Result Summary

| | WELT | WELT | WEET | W5CT° |
|---------------|---|---|---------------|-------|
| $\overline{}$ | Requirement | CFR 47 Section | Result | |
| | Antenna requirement | §15.203/§15.247 (c) | PASS | |
| 7 ° | AC Power Line Conducted Emission | \(\wstar\)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | PASS PASS | |
| | Maximum Conducted W5 COutput Power W5 C | §15.247 (b)(3) §2.1046 | W5 C PASS | W5LT° |
| 7° | 6dB Emission Bandwidth | §15.247 (a)(2) §2.1049 | PASS | |
| | Power Spectral Density | §15.247 (e) | PASS | |
| | Band Edge W5 L | 1§5.247(d) §2.1051, §2.1057 | PASS W5 C7 | W5 CT |
| | Spurious Emission | §15.205/§15.209 §2.1053, §2.1057 | PASS | |
| | | | | |

Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.

| W5CT° | W5CT° | W5CT° | WS CT° | W5CT" |
|-------|-------|-------|--------|-------|
| | | | | |

| W5CT° | W5CT° | W5 CT° | W5CT° | WSCT" |
|-------|-------|--------|-------|-------|
| | | | | |

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World Standard zation Certification& Testing Group(Shen

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W5ET

Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi

EUT Description 3.

| | Product: | D-Link WSET WSET | V5CT° |
|----------|---------------------------------|--|--------|
| \times | Model No.: | DWR-932W, DWR-932W/X, DWR-932W/XX, DWR-932W/XXX (X CAN BE 0-9, A-Z) | |
| WSET | Trade Mark: | D-Link WS CT WS CT | |
| | Operation Frequency: | 2412MHz~2462MHz (802.11b/g/n(HT20) 2422MHz~2452MHz (802.11n(HT40) | X |
| | Channel Separation: | 5MHz WSCT° | VS CT° |
| X | Modulation type: | DSSS (DBPSK, DQPSK, CCK) for IEEE 802.11b OFDM/OFDMA(BPSK,QPSK,16QAM,64QAM,256QAM,) for IEEE 802.11g/n | |
| WSET | Antenna Type: | FPC Antenna WS CT WS CT | |
| | Antenna Gain | 2.51dBi | |
| | Operating Voltage | Rechargeable Li-ion Polymer Battery: 675465ART Rated Voltage: 3.7V 5 77 Limited charge voltage:4.2V Rated Capacity: 3000mAh/11.1Wh | V5 CT° |
| Week | Remark: | N/A. | |
| | Nieto, 4. NI/A etanda farina an | unitable P T T T T T T T T | |

Note: 1. N/A stands for no applicable.
2. Antenna gain provided by the customer.

| | WS ET" | W5ET° | W5 ET° | WS ET | WS ET" |
|----------|-------------------|----------|----------|--------|------------|
| \times | WSC | | | | SET" |
| WSCT | X | X | \times | | X |
| X | WSCT [®] | WS CT WS | WSET | WSET W | WSET° |
| WSCT | VSCIT | WSCT | WSCT | WSCT | vione Test |

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Operation Frequency each of channel For 802.11b/g/n(HT20)

| | | | | | <u> </u> | | |
|----------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| W \$ [7 | 2412MHz | W4 [1 | 2427MHz | AN75 C | 2442MHz | 105 [| 2457MHz |
| 2 | 2417MHz | 5 | 2432MHz | 8 | 2447MHz | 11 | 2462MHz |
| 3 | 2422MHz | 6 | 2437MHz | 9 | 2452MHz | | |

W5CT WS CT

Operation Frequency each of channel For 802.11n(HT40)

| | Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| | WELT | | 4.7 | 2427MHz | MTC C | 2442MHz | WEL | |
| 7 | | | 5 | 2432MHz | 8 | 2447MHz | | |
| | 3 | 2422MHz | 6 | 2437MHz | 9 | 2452MHz | | X |

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see

802.11b/g/n(HT20)

| Channel | Frequency |
|---------------------|-----------|
| The lowest channel | 2412MHz |
| The middle channel | 2437MHz |
| The Highest channel | 2462MHz |

802.11n(HT40)

| Channel | Frequency | 1 |
|---------------------|-----------|---|
| The lowest channel | 2422MHz | |
| The middle channel | 2437MHz | 6 |
| The Highest channel | 2452MHz | Í |

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Genera Information 4.

| 4 | .1. Test environment and mode | WS CT WS CT | W5 L | | | | |
|----------|---|---|----------|--|--|--|--|
| \times | Operating Environment: | | | | | | |
| | Temperature: | 25.0 °C | | | | | |
| CT° | Humidity: 55 | 56 % RH W5 LT | | | | | |
| | Atmospheric Pressure: | 1010 mbar | \times | | | | |
| | Test Mode: | | | | | | |
| _ | Engineering mode: | Keep the EUT in continuous transmitting | W5 L | | | | |
| | | by select channel and modulations(The | | | | | |
| | | value of duty cycle is 98.46%) | | | | | |
| ET° | The sample was placed (0.8m below 1GH | z, 1.5m above 1GHz) above the ground 7 | | | | | |
| | plane of 3m chamber. Measurements in b | oth horizontal and vertical polarities were | | | | | |
| | performed. During the test, each emission | was maximized by: having the EUT | X | | | | |

continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. For the full battery state and The output power to the maximum state.

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list which it

| W | as worst case. | | | |
|--------------------|----------------|----------|------|---------|
| AL CT [®] | NACE CT. | wer Mode | MECT | MAR CT. |

802.11b

802.11g

802.11n(H20)

802.11n(H40)

Final Test Mode:

Operation mode: Keep the EUT in continuous transmitting with modulation

1. For WIFI function, the engineering test program was provided and enabled to make EUT continuous transmit/receive.2. According to ANSI C63.10 standards, the test results are both the "worst case" and "worst setup" 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n(H20). Duty cycle setting during the transmission is 98.5% with maximum power setting for all modulations.

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4.2.

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Description of Support Units

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.

| 7 | Item | Equipment | Mfr/Brand | Model/Type No. | Series No. | Note |
|---|------|-----------|-----------|---------------------|------------|------|
| | 1 | Adapter | 1 | U180XSA/ U100XSA | 1 | 1 |

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
 - 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

| W5 | ET° WS | ET° W5 | CT W | SET | W5 CT |
|----------|----------------------------------|----------------------------------|----------|-------------------------------------|-------------------|
| \times | \times | \times | \times | \times | |
| W5ET* | W5 CT | WS ET" | W5CT° | WSET | |
| W5 | $\langle \hspace{0.1cm} \rangle$ | $\langle \hspace{0.1cm} \rangle$ | | SET | W5ET* |
| W5 CT° | W5 CT | W5 ET | WSET | WSET | |
| Ws | $\langle \hspace{0.2cm} \rangle$ | $\langle \hspace{0.1cm} \rangle$ | | SET | W5 CT |
| WSCT | WSET | WSET | WSET | WSET | |
| W5 | $\langle \hspace{0.1cm} \rangle$ | $\langle \hspace{0.1cm} \rangle$ | | \times | Test _D |
| WSCT | WSCT | WSET | WSCT | SCT Countries In the Contribution & | Group (Shenzhon |

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5. Facilities and Accreditations

5.1. Facilities

WSE

W5 ET

All measurement facilities used to collect the measurement data are located at Building A-B, Baoli'an Industrial Park, No. 58 Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen, Guangdong, China of the World Standardization Certification & Testing Group (Shenzhen) Co., Ltd. 5 [7]

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.2. ACCREDITATIONS

ANAB - Certificate Number: AT-3951

The EMC Laboratory has been accredited by the American Association for Laboratory

| Accred | itation (ANAB).Certific | ation Number: AT-395 | 1 | | X |
|--------|----------------------------------|----------------------|--------|-------------|--------------------------|
| WS | ET° W | ET" WS | CT° WS | CT° | W5CT° |
| WSET | WSET | W5 CT° | WSET | WSET | |
| | TET WS | CT WS | | ET / | WS ET |
| WSET | WSCT | WS ET | WSCT | WSET | |
| | $\langle \hspace{0.1cm} \rangle$ | CT WS | | | W5 CT |
| WSET | WSCT | WSET | WSET | WSET | |
| | $\langle \hspace{0.1cm} \rangle$ | TET WS | ET W. | Cation& | Testin T |
| WSET | WSET | WSET | WSCT | Mean Market | Testino Group (Shenzhei) |

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Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi

5.3. Measurement Uncertainty

The reported uncertainty of measurement y ± 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 | MU | |
|--------------------|-------------------|---|---------|-------------------|
| W5CT° | 1 | Conducted Emission Test | ±3.2dB | / |
| | 2 | RF power, conducted | ±2.4% | X |
| | 3 _{W5} C | Spurious emissions, conducted ws 7 | ±0.21dB | W5CT° |
| | 4 | All emissions, radiated(<1GHz) | ±4.7dB | |
| | 5 | All emissions, radiated(>1GHz) | ±4.7dB | |
| AW5 C T ° 1 | 6 | Temperature | ±0.5°C | |
| | 7 | Humidity | ±2.0% | X |
| | 8W5C | Receiver Spurious Emissions W5 [7] | ±2.5% | W5ET [®] |
| | 9 | Transmitter Unwanted Emissions in the Spurious Domain | ±2.5% | |
| | 10 | Transmitter Unwanted Emission in the out-of Band | ±1.3% | |
| AW5 ET® | 11 | Occupied Channel Bandwidth | ±2.4% | |
| | | | | |

| WS | T W | SET V | WSET | WSET | W5CT° |
|-------|------|-------|-------|---------------------------------------|-------------------------|
| W5 ET | WSET | W5 ET | WSET | WSC | |
| WS | T W | | WS ET | WSET | W5CT° |
| WSET | WSET | WSET | WSET | \times | |
| WS | | | WS ET | \times | X |
| | | | | S S S S S S S S S S S S S S S S S S S | ation& Testing Group (w |

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World Standardization Certification& Testing Group(Shenz



Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi



5.4.MEASUREMENT INSTRUMENTS

| | U.T.MEAGOREM | ILITI IIIO IIIO | LIVIO | | | | | |
|-----------|--|---------------------------|------------------|------------------|---------------------|------------------|---|--|
| _ | NAME OF EQUIPMENT | MANUFACTURER | MODEL | SERIAL NUMBER | Calibration Date | Calibration Due. | SET | |
| X | Test software | | EZ-EMC | CON-03A | - | X- | | |
| C | Test software | rr - v | MTS8310 | WSCT | - / | /5 <i>[</i> 7° | | |
| | EMI Test Receiver | R&S | ESCI | 100005 | 11/05/2024 | 11/04/2025 | | |
| | LISN | AFJ | LS16 | 16010222119 | 11/05/2024 | 11/04/2025 | \wedge | |
| | LISN(EUT) | Mestec | AN3016/5/ | 04/10040 | 11/05/2024 | 11/04/2025 | 'SET | |
| < | Universal Radio Communication Tester | R&S | CMU 200 | 1100.0008.02 | 11/05/2024 | 11/04/2025 | | |
| <u> </u> | Coaxial cable | Megalon | /5 LMR400 | N/A _ T | 11/05/2024 | 11/04/2025 | | |
| | GPIB cable | Megalon | GPIB | N/A | 11/05/2024 | 11/04/2025 | \checkmark | |
| | Spectrum Analyzer | R&S | FSU | 100114 | 11/05/2024 | 11/04/2025 | \wedge | |
| | Pre Amplifier | H.P. <i>CT</i> ** | HP8447E 5 / | 72945A02715 | 11/05/2024 | 11/04/2025 | 'S E T | |
| / | Pre-Amplifier | CDSI | PAP-1G18-38 | | 11/05/2024 | 11/04/2025 | | |
| | Bi-log Antenna | SCHWARZBECK | VULB9168 | 01488 | 7/29/2024 | 7/28/2025 | | |
| <u></u> | 9*6*6 Anechoic | <i>ET</i> ° | /SCT°_ | W5CT° | 11/05/2024 | 11/04/2025 | | |
| | Horn Antenna | COMPLIANCE ENGINEERING | CE18000 | | 11/05/2024 | 11/04/2025 | X | |
| | Horn Antenna | SCHWARZBECK | BBHA9120D | 9120D-631 | 11/05/2024 | 11/04/2025 | rs c T° | |
| | Cable | TIME MICROWAVE | LMR-400 | N-TYPE04 | 11/05/2024 | 11/04/2025 | | |
| X | System-Controller | ccs | N/A | N/A | N.C.R | N.C.R | | |
| E | Turn Table | ccs | 75 C 7 N/A | N/A | N.C.R | N.C.R | | |
| | Antenna Tower | ccs | N/A | N/A | N.C.R | N.C.R | | |
| | RF cable | Murata | MXHQ87WA300 0 | - | 11/05/2024 | 11/04/2025 | | |
| | Loop Antenna | EMCO | 6502W5 | 00042960 | 11/05/2024 | 11/04/2025 | <i>'5 </i> | |
| / | Horn Antenna | SCHWARZBECK | BBHA 9170 | 1123 | 11/05/2024 | 11/04/2025 | | |
| | Power meter | Anritsu | ML2487A | 6K00003613 | 11/05/2024 | 11/04/2025 | | |
| <u>Ci</u> | Power sensor | Anritsu | MX248XD | WSLI | 11/05/2024 | 11/04/2025 | | |
| | Spectrum Analyzer | Keysight | N9010B | MY60241089 | 11/05/2024 | 11/04/2025 | X | |
| | | | | | | | | |

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Test Results and Measurement Data 6.

6.1. Antenna requirement

WS CT

Standard requirement:

FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

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. permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The Bluetooth antenna is a FPC Antenna. it meets the standards, and the best case gain of the antenna is 2.51dBi.

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6.2. Conducted Emission

| | 6.2.1. Test Specification W5 | CT WS CT | W5 ET° | W5 CT |
|-------|------------------------------|--|--|--------------|
| X | Test Requirement: | FCC Part15 C Section 15.207 | \times | |
| W5CT | Test Method: W5 [7] | ANSI C63.10:2014 | SET° WSET | |
| | Frequency Range: | 150 kHz to 30 MHz | | |
| | Receiver setup: | RBW=9 kHz, VBW=30 kHz, S | weep time=auto | Weet |
| X | | | Limit (dBuV) si-peak Average to 56* 56 to 46* | W5ET® |
| W5ET | Limits: W5ET | 0.13-0.3 0.5-5 5-30 | 56 46 60 50 | |
| | \rightarrow | Reference Plane | | $+$ \times |
| | WS CT° WS | 40cm 80cm | LISN | WSCT |
| WSET | Test Setup: WSET | I I I I I I I I I I I I I I I I I I I | Filter — AC power | |
| | | Test table/Insulation plane Remark: | eceiver | X |
| | WS ET WS | E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m | | WSET |
| X | Test Mode: | Charging + transmitting with m | nodulation | |
| W5 CT | WSET | 1. The E.U.T is connected to line impedance stabilizatio provides a 50ohm/50uH comeasuring equipment. | n network (L.I.S.N.). This | s |
| | W5CT W5 | 2. The peripheral devices are | | |
| WSET | Test Procedure: | power through a LISN that coupling impedance with 50 refer to the block diagram photographs). | Oohm termination. (Please m of the test setup and | е |
| | WS CT WS | 3. Both sides of A.C. line as conducted interference. In conducted interference. In consisting the interface cables must ANSI C63.10: 2014 on conducted interface. | | |
| X | Test Result: | PASS | iucied measurement. | 7.5 CT Sher |
| | | | | |

WSFT

V5 CT°

FAX: 0086-755-86376605

FIGA

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esting Group(Shenzhen) Co.,Li

SCT WSCT



Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi

6.2.2. EUT OPERATING CONDITIONS

The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

W5C1 WS CI WS C WS CI W5 Ci tion& Tes

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SCT

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Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi

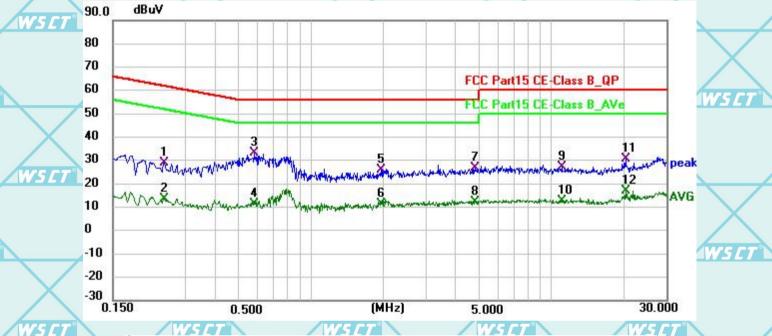
Test data

Please refer to following diagram for individual

WS C1

W5 C

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector |
|-----|--------------------|-------------------|----------------|-----------------|-----------------|----------------|----------|
| 1 | 0.2445 | 8.34 | 20.66 | 29.00 | 61.94 | -32.94 | QP |
| 2 | 0.2445 | -7.26 | 20.66 | 13.40 | 51.94 | -38.54 | AVG |
| 3 * | 0.5820 | 12.60 | 20.52 | 33.12 | 56.00 | -22.88 | QP |
| 4 | 0.5820 | -9.14 | 20.52 | 11.38 | 46.00 | -34.62 | AVG |
| 5 | 1.9545 | 5.23 | 20.61 | 25.84 | 56.00 | -30.16 | QP |
| 6 | 1.9545 | -9.19 | 20.61 | 11.42 | 46.00 | -34.58 | AVG |
| 7 | 4.8435 | 6.13 | 20.57 | 26.70 | 56.00 | -29.30 | QP |
| 8 | 4.8435 | -8.43 | 20.57 | 12.14 | 46.00 | -33.86 | AVG |
| 9 | 11.0580 | 6.84 | 20.39 | 27.23 | 60.00 | -32.77 | QP |
| 10 | 11.0580 | -7.57 | 20.39 | 12.82 | 50.00 | -37.18 | AVG |
| 11 | 20.3100 | 10.21 | 20.28 | 30.49 | 60.00 | -29.51 | QP |
| 12 | 20.3100 | -3.18 | 20.28 | 17.10 | 50.00 | -32.90 | AVG |

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W5CT®

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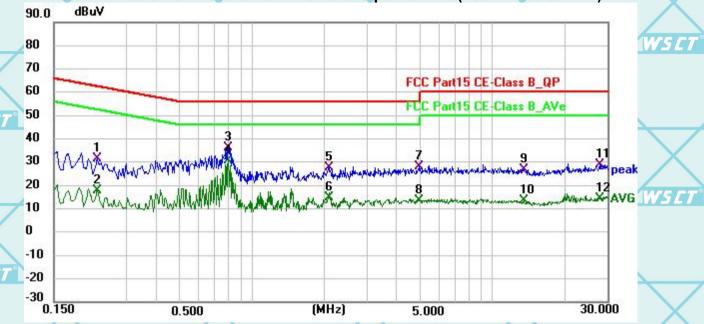
ANSI National Accreditation Box

A C C R E D I T E D

ESTIMATION OF THE CONTROL ABORATORY
Certificale Number: Alf-395

Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi

Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



| W5 | 20 | F | Deading | Г4 | Lavel | F San St | Mannin | | W5CT° |
|---------------------------------------|-----|--------------------|-------------------|----------------|--------|-----------------|----------------|----------|---------|
| | No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | (dBuV) | Limit (dBuV) | Margin (dB) | Detector | |
| | 1 | 0.2265 | 10.79 | 20.67 | 31.46 | 62.58 | -31.12 | QP | |
| W5CT° | 2 | 0.2265 | -3.07 | 20.67 | 17.60 | 52.58 | -34.98 | AVG | ET° |
| | 3 | 0.7980 | 15.61 | 20.58 | 36.19 | 56.00 | -19.81 | QP | |
| | 4 * | 0.7980 | 9.90 | 20.58 | 30.48 | 46.00 | -15.52 | AVG | X |
| W.5 | 5 | 2.0895 | 7.09 | 20.61 | 27.70 | 56.00 | -28.30 | QP | W5 CT° |
| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 6 | 2.0895 | -5.97 | 20.61 | 14.64 | 46.00 | -31.36 | AVG | 11-14-1 |
| X | 7 | 4.9560 | 7.43 | 20.57 | 28.00 | 56.00 | -28.00 | QP | |
| | 8 | 4.9560 | -7.28 | 20.57 | 13.29 | 46.00 | -32.71 | AVG | |
| W5CT° | 9 | 13.4880 | 6.74 | 20.25 | 26.99 | 60.00 | -33.01 | QP | ET ° |
| | 10 | 13.4880 | -6.83 | 20.25 | 13.42 | 50.00 | -36.58 | AVG | |
| | 11 | 28.0905 | 7.96 | 20.95 | 28.91 | 60.00 | -31.09 | QP | |
| W5 | 12 | 28.0905 | -6.66 | 20.95 | 14.29 | 50.00 | -35.71 | AVG | W5ET° |
| | | | | | | \ / | | | |

Note1:

Freq. = Emission frequency in MHz

Reading level (dBµV) = Receiver reading /5 []

Corr. Factor (dB) = Antenna factor + Cable loss

Measurement ($dB\mu V$) = Reading level ($dB\mu V$) + Corr. Factor (dB)

Limit (dBµV) = Limit stated in standard

Margin (dB) = Measurement (dBμV) – Limits (dBμV)

Q.P. =Quasi-Peak AVG =average

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

For multiple adapters, the report only displays the adapter with the worst data.

SCT WSCT WSC

DD: Building A-B,Baoli'an Industrial Park, No.58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, Chir EL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 E-mail: fengbing.wang@wsct-cert.com Http://www.wsct-cert.com

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rthe WSCT Group (WSCTSA)

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WSCT

W5 CI



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W5 CT





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Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi
6.2.3. Maximum Conducted Output Power

6.2.4. Test Specification

| | WELL | T° WSCT° | WSTT | W5 [T] |
|-------|-------------------|---|---|---------------|
| | Test Requirement: | FCC Part15 C Section 15.247 | 7 (b)(3) | |
| | Test Method: | KDB 558074 | | |
| W5CT° | Limit: | 30dBm 27 W5 | ET" WSET" | |
| | Test Setup: | | | W5 CT° |
| | | Spectrum Analyzer | EUT | |
| X | Test Mode: | Transmitting mode with modu | lation | |
| W5 CT | Test Procedure: | The testing follows the Mean FCC KDB No. 558074 DT v04. The RF output of EUT was analyzer by RF cable and was compensated to the resourcement. Set to the maximum power EUT transmit continuously described. Measure the conducted our results in the test report. | S D01 Meas. Guidance connected to the spectrum attenuator. The path loss esults for each setting and enable the | WSCT |
| | Test Result: | PASS | | |
| | WSCT WSC | T" WSCT" | W5ET* | AWS CT |

| W5LT° | W5 ET | WSLT | W5E | 7° W3 | ET |
|-------|-------|----------|----------|-------|------|
| | | \times | \vee | | |
| W | ET° V | VS CT° | WSET | W5ET° | WSET |
| | | | \times | | |
| W5LT° | W5 ET | WSET | W5 E | 7 W | ET |
| | | | | | |

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Member of the WSCT Group (WSCT SA)





Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi

| 6.2.5. Test Data | 710 1102 | 2004000227 *** | X | | | | X |
|--|------------------|--|---|------------------|-----------------------------|---------------------------------------|------------------------------|
| WSET | Mode | Frequency (MHz) | Maximum Conducted Output Power (dBm) | Limit (dBm) | Verdict | £7° | W5 CT° |
| WS ET" WS | C b | 2412 2437 | 22.38 | 30 | Pass Pass | W.5 | 7 ° |
| | b | 2462 | 22.02 | 30 | Pass | | |
| | g g | 2412 2437 | 17.76 25.42 | 30 30 | Pass Pass | | |
| W5ET° | g | 2462 | 24.41 | 30 | Pass | | W5 CT |
| | n20 n20 | 2412 2437 | 24.39 24.76 | 30 30 | Pass Pass | | |
| X | n20 | 2462 | 24.02 | 30 | Pass | X | |
| WSET W | n40 n40 | 2422 2437 | 21.01 22.24 | 30 | Pass Pass | W5 | CT- |
| WSET® WS | n40 | 2452 | 23.76 | 30 | Pass | 1121 | |
| X | | X | X | | | | X |
| WSET | -/ | W5CT° | W5 CT | | W5 | 47° | W5ET* |
| WSET WS | 5.27 | \(\frac{1}{12}\) | SCT | WSCI | | W.5 | |
| | | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | | | | |
| WSET | | W5ET* | WSET | | W5 | CT. | WS ET" |
| | 567 | | SCT | WSCI | | W5 | |
| | | | | | | | |
| W5 ET | | W5 ET | W5ET° | | W5 | CT° | WSET |
| | SET | | SCT | WSCI | | W5 | 77 |
| | | | | | | | |
| | | X | X | | | | |
| W5 CT | / | W5 CT | W5 ET° | | W5 | CT° | incation Testino G |
| Aug and a second | | (m | | NU de | | dardization | WSC7 |
| ADD: Building A-B, Baoli'an Industrial Park, No. 58 and 60 | 5.CT° | | District, Shenzhen City, Guangdong F | W5C7 | | I STORY THE A | SPITON # PITON |
| | X : 0086-755-863 | | | ww.wsct-cert.com | 深圳巴尔拉测说 World Standardiz | 从证股份有限公司 vation Certification& Tes | ting Group(Shenzhen) Co.,Ltd |

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World Standardization Certification & Testing Group (Shenzhen) Co.,ltd. **ac-MRA** Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi Power NVNT b 2462MHz Ant1 Spectrum Analyzer 1 Channel Power SCPI + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.462000000 GHz Avg|Hold: 100/100 Radio Std: None KEYSIGHT Input: RF Preamp: Off #PNO: Fast Align: Auto Ref LvI Offset 2.32 dB Ref Value 22.32 dBm Scale/Div 10.0 dB Center 2.46200 GHz #Res BW 1.0000 MHz Span 40 MHz Sweep 1.00 ms (1001 pts) #Video BW 3.0000 MHz Total Channel Power 22.02 dBm / 20.0 MHz Total Power Spectral Density -50.99 dBm/Hz Power NVNT g 2412MHz Ant1 Spectrum Analyzer 1 Channel Power + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Atten: 40 dB Preamp: Off #PNO: Fast Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.412000000 GHz Avg|Hold: 100/100 Radio Std: None KEYSIGHT Input: RF 1 Graph Ref LvI Offset 2.26 dB Ref Value 22.26 dBm Scale/Div 10.0 dB Center 2.41200 GHz #Res BW 1.0000 MHz Span 40 MHz Sweep 1.00 ms (1001 pts) #Video BW 3.0000 MHz Total Channel Power 17.76 dBm / 20.0 MHz Total Power Spectral Density -55.25 dBm/Hz tion& Test 深圳世标检测认证股份有限公司 TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 Page 20 of 73

World Standardization Certification & Testing Group (Shenzhen) Co.,ltd. **ac-MRA** Infaladalata Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi Power NVNT g 2437MHz Ant1 Spectrum Analyzer 1 Channel Power SCPI + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.437000000 GHz Avg|Hold: 100/100 Radio Std: None KEYSIGHT Input: RF Preamp: Off #PNO: Fast Align: Auto Ref Lvi Offset 2.28 dB Ref Value 22.28 dBm Scale/Div 10.0 dB ally of the free fortween of when when the one will be on the 17.7 Harty Markery whiter the server the ser Center 2.43700 GHz #Res BW 1.0000 MHz Span 40 MHz Sweep 1.00 ms (1001 pts) #Video BW 3.0000 MHz Total Channel Power 25.42 dBm / 20.0 MHz Total Power Spectral Density -47.59 dBm/Hz Mar 19, 2025 5:00:55 PM Power NVNT g 2462MHz Ant1 Spectrum Analyzer 1 Channel Power + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Atten: 40 dB Preamp: Off #PNO: Fast Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.462000000 GHz Avg|Hold: 100/100 Radio Std: None KEYSIGHT Input: RF 1 Graph Ref LvI Offset 2.32 dB Ref Value 22.32 dBm Scale/Div 10.0 dB Alexandra de la contra del la contra del la contra del la contra de la contra del la 17.7 http://www.hosestologista.com/pallon-et/p Span 40 MHz Sweep 1.00 ms (1001 pts) Center 2.46200 GHz #Res BW 1.0000 MHz #Video BW 3.0000 MHz Total Channel Power 24.41 dBm / 20.0 MHz Total Power Spectral Density -48.60 dBm/Hz tion& Test 深圳世标检测认证股份有限公司 TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 Page 21 of 73

World Standardization Certification & Testing Group (Shenzhen) Co., ltd. **ac-MRA** Infaladalata Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi Power NVNT n20 2412MHz Ant1 Spectrum Analyzer 1 Channel Power SCPI **+** Input Z: 50 Ω Corr CCorr Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.412000000 GHz Avg|Hold: 100/100 Radio Std: None KEYSIGHT Input: RF Preamp: Off #PNO: Fast Align: Auto Freq Ref: Int (S) Ref LvI Offset 2.26 dB Ref Value 22.26 dBm Scale/Div 10.0 dB 17.7 phytyperaca dilla proparty do figura propales or traperioral photology placed to shift of the properties of the Center 2.41200 GHz #Res BW 1.0000 MHz Span 40 MHz Sweep 1.00 ms (1001 pts) #Video BW 3.0000 MHz Total Channel Power 24.39 dBm / 20.0 MHz Total Power Spectral Density -48.62 dBm/Hz Mar 19, 2025 4:27:17 PM Power NVNT n20 2437MHz Ant1 Spectrum Analyzer 1 Channel Power + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Atten: 40 dB Preamp: Off #PNO: Fast Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.437000000 GHz Avg|Hold: 100/100 Radio Std: None KEYSIGHT Input: RF Align: Auto 1 Graph Ref LvI Offset 2.28 dB Ref Value 22.28 dBm Scale/Div 10.0 dB 17.7 mille leger platon remains problem of broker light polythorn material superphysical property and the season of the season o Span 40 MHz Sweep 1.00 ms (1001 pts) Center 2.43700 GHz #Res BW 1.0000 MHz #Video BW 3.0000 MHz Total Channel Power 24.76 dBm / 20.0 MHz -48.25 dBm/Hz Total Power Spectral Density tion& Test 深圳世标检测认证股份有限公司 TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 Page 22 of 73

interior in the World Standardization Certification & Testing Group (Shenzhen) Co., ltd. **ac-MRA** Infaladala da Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi Power NVNT n20 2462MHz Ant1 Spectrum Analyzer 1 Channel Power SCPI **v** + Input Z: 50 Ω Corr CCorr Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.462000000 GHz Avg|Hold: 100/100 Radio Std: None KEYSIGHT Input: RF Preamp: Off #PNO: Fast Align: Auto Freq Ref: Int (S) Ref LvI Offset 2.32 dB Ref Value 22.32 dBm Scale/Div 10.0 dB LP HARAMAN PARKATAJAKO AND PARAPATAJAKA PARALANA Center 2.46200 GHz #Res BW 1.0000 MHz Span 40 MHz Sweep 1.00 ms (1001 pts) #Video BW 3.0000 MHz Total Channel Power 24.02 dBm / 20.0 MHz Total Power Spectral Density -48.99 dBm/Hz Power NVNT n40 2422MHz Ant1 Spectrum Analyzer 1 Channel Power + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Atten: 40 dB Preamp: Off #PNO: Fast Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.422000000 GHz Avg|Hold: 100/100 Radio Std: None KEYSIGHT Input: RF Align: Auto 1 Graph Ref LvI Offset 2.27 dB Ref Value 22.27 dBm Scale/Div 10.0 dB My Mary make Span 80 MHz Sweep 1.00 ms (1001 pts) Center 2.42200 GHz #Res BW 1.0000 MHz #Video BW 3.0000 MHz 21.01 dBm / 40.0 MHz Total Channel Power Total Power Spectral Density -55.01 dBm/Hz ation& Test 深圳世标检测认证股份有限公司 TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 Page 23 of 73

interior in the World Standardization Certification & Testing Group (Shenzhen) Co.,ltd. **ac-MRA** "Infalalala Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi Power NVNT n40 2437MHz Ant1 Spectrum Analyzer 1 Channel Power SCPI **v** + Input Z: 50 Ω Corr CCorr Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.437000000 GHz Avg|Hold: 100/100 Radio Std: None KEYSIGHT Input: RF Preamp: Off #PNO: Fast Align: Auto Freq Ref: Int (S) Ref LvI Offset 2.28 dB Ref Value 22.28 dBm Scale/Div 10.0 dB Center 2.43700 GHz #Res BW 1.0000 MHz Span 80 MHz Sweep 1.00 ms (1001 pts) #Video BW 3.0000 MHz Total Channel Power 22.24 dBm / 40.0 MHz Total Power Spectral Density -53.78 dBm/Hz Apr 01, 2025 11:39:47 AM Power NVNT n40 2452MHz Ant1 Spectrum Analyzer 1 Channel Power + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Atten: 40 dB Preamp: Off #PNO: Fast Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.452000000 GHz Avg|Hold: 100/100 Radio Std: None KEYSIGHT Input: RF Align: Auto 1 Graph Ref LvI Offset 2.31 dB Ref Value 22.31 dBm Scale/Div 10.0 dB 17.7 իր/ՆԱրգրությ Span 80 MHz Sweep 1.00 ms (1001 pts) Center 2.45200 GHz #Res BW 1.0000 MHz #Video BW 3.0000 MHz 23.76 dBm / 40.0 MHz Total Channel Power Total Power Spectral Density -52.26 dBm/Hz ation& Test 深圳世标检测认证股份有限公司 TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 Page 24 of 73

W5CT



WSC Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi

6.3. Emission Bandwidth

| | VERT | | | CPT |
|-------|--------|------------|-------|-----|
| 6.3.1 | . Test | Specificat | ion 4 | JLI |

W5C1

WS CT

W5CT

| X | Test Requirement: | FCC Part15 C Section 15.247 (a)(2) | |
|-------|-------------------|--|-------|
| W5CT° | Test Method: | KDB 558074 W5 CT W5 CT | |
| | Limit: | >500kHz | |
| | Test Setup: | | W5 ET |
| | | Spectrum Analyzer EUT | |
| W5CT° | Test Mode: | Transmitting mode with modulation W5_T7 | |
| | | The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v04. Set to the maximum power setting and enable the EUT transmit continuously. | WSET |
| WS CT | Test Procedure: | 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must | |
| | Test Result: | be greater than 500 kHz. 4. Measure and record the results in the test report. PASS | X |
| | W5L/ W5 | WEET WEET | W5CT° |
| | | | |

W5 CT W5CT W5C1 W5C7 W5 C7 W5 CT W5 CT W5 CT W5C1

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World Standardization Certification & Testing Group (Shenzhen) Co.,ltd.

Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi

6.3.2. Test data(worst)

| | W5CT° | | (W 5CT°) |
|--|-------|--|------------------|
|--|-------|--|------------------|

WSCT[®]

W5 C1

AWSET

W5 CT

| \times | Mode | Frequency (MHz) | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict | |
|----------|-----------|--------------------|----------------------------------|--------------------------------|---------|-------|
| | b | 2412 | 9.984 | 0.5 | Pass | 2 |
| W5ET° | b | 2437 | 9.537 | W 5 (0.5 | Pass | |
| | b | 2462 | 10.054 | 0.5 | Pass | |
| | g | 2412 | 16.365 | 0.5 | Pass | |
| | g | 2437 | 16.076 | 0.5 | Pass | |
| | g | 2462 | 16.338 | 0.5 | Pass | |
| | n20 | | 16.689 W5 | | Pass | WS CT |
| | n20 | 2437 | 16.93 | 0.5 | Pass | |
| | n20 | 2462 | 13.18 | 0.5 | Pass | |
| | n40 | 2422 | 35.105 | 0.5 | Pass | |
| | n40 | 2437 | 35.885 | 0.5 | Pass | |
| W5CT° | n40 | 2452 | 35.17° | W5 (0.5 | Pass | |
| | \bigvee | | $\langle \hspace{0.1cm} \rangle$ | | | |
| | W5 ET | W | SET° WS | CT WSCT | | WSCT |
| | NP151 | | | | | |
| X | | \times | | | X | |
| W5 CT° | | W5 CT | WSET | W5 CT | W5CT | |
| | WSET | W.S | ET WS | CT WS CT | | W5ET* |
| WSCT | | WSET | W5 CT | WS ET" | WSET | |
| | WSET | | CT WS | | | W5 ET |
| W5 ET | | WSET | W5 CT | WSCT | WSET | |
| | X | | $\langle \hspace{0.1cm} \rangle$ | | | X |

ADD: Building A-B,Baoli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, China. TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 E-mail: fengbing.wang@wsct-cert.com Http://www.wsct-cert.com

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Julial distriction World Standardization Certification & Testing Group (Shenzhen) Co., ltd. **ac-MRA** "Infalalalata Report No.: WSCT-ANAB-R&E250400022A-Wi-Fi -6dB Bandwidth NVNT b 2462MHz Ant1 Spectrum Analyzer 1 Occupied BW SCPI + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Atten: 30 dB Preamp: Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.462000000 GHz Avg|Hold: 100/100 Radio Std: None KEYSIGHT Input: RF Align: Auto Mkr3 2.467124000 GHz 1 Graph Ref Lvi Offset 2.32 dB Ref Value 22.32 dBm Scale/Div 10.0 dB 0.38 dBm Span 40 MHz Sweep 4.00 ms (10001 pts) Center 2.46200 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz 2 Metrics Measure Trace Trace 1 Occupied Bandwidth 14.624 MHz 25.6 dBm Total Power Transmit Freq Error 96.855 kHz % of OBW Power 99.00 % x dB Bandwidth 10.05 MHz -6.00 dB ** -6dB Bandwidth NVNT g 2412MHz Ant1 Spectrum Analyzer 1 Occupied BW + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.412000000 GHz Avg|Hold: 100/100 Radio Std: None KEYSIGHT Input: RF Atten: 30 dB Preamp: Off Mkr3 2.420158000 GHz 1 Graph Ref LvI Offset 2.26 dB Ref Value 22.26 dBm Scale/Div 10.0 dB March March Company has shown of the second frethand month month form form for the following the most factor of the contraction of the following Center 2.41200 GHz #Res BW 100.00 kHz Span 40 MHz Sweep 4.00 ms (10001 pts) #Video BW 300.00 kHz Measure Trace Occupied Bandwidth 16.515 MHz 23.6 dBm Total Power % of OBW Power -24.081 kHz 16.36 MHz 99.00 % Transmit Freq Error x dB Bandwidth -6.00 dB tion& Test 深圳世标检测认证股份有限公司 TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 Page 28 of 73