Report No.:BTEK240308001AE001 Page: 1 of 44 FCC ID: 2AJGI-X88

TEST REPORT

| Test Result: | Pass* |
|---------------------------|---|
| Date of Issue: | 2024-04-12 |
| Date of Test: | 2024-03-11 to 2024-03-25 |
| Date of Receipt: | 2024-03-11 |
| Standard(s) : | 47 CFR Part 15, Subpart C 15.247 |
| Trade Mark: | N/A |
| | Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical. |
| Model No.: | X88, X99, X78, X79, X81, X72, X71, X73, X69, X89, X90, X91, X92, X93, X94, X95, X96, X97, X98, X100, X200, X300, X400, X500, X600, DRC190, DRC090 |
| EUT Name: | RC AIRCRAFT |
| Equipment Under Test (EUT |): |
| Address of Factory: | No.1,1 Road Huaihe Industrial Park, Lianxia, Chenghai Shantou, China |
| Factory: | Shantou Chenghai Lihuang Plastic Toys Co., Ltd |
| Address of Manufacturer: | No.1,1 Road Huaihe Industrial Park, Lianxia, Chenghai Shantou, China |
| Manufacturer: | Shantou Chenghai Lihuang Plastic Toys Co., Ltd |
| Address of Applicant: | No.1,1 Road Huaihe Industrial Park, Lianxia, Chenghai Shantou, China |
| Applicant: | Shantou Chenghai Lihuang Plastic Toys Co., Ltd |
| Version Number: | VO |
| Application No.: | BTEK240308001AE |
| | |

* In the configuration tested, the EUT complied with the standards specified above.

Damon Su

EK

Damon Su EMC Laboratory Manager





Report No.: BTEK240308001AE001 Page: 2 of 44

| Revision Record | | | | | |
|-----------------|---------|------------|----------|----------|--|
| Version | Chapter | Date | Modifier | Remark | |
| V0 | | 2024-04-12 | | Original | |
| | 0 |) 0 | 0 | 0 | |
| | | | | | |

| Authorized for issue by | | |
|-------------------------|-----------------------------|-----|
| BTEK | Elma. Kong | |
| 0 | Elma yang /Project Engineer | - |
| | Garl. Farge | 0 0 |
| | Carl Yang /Reviewer | |





Report No.: BTEK240308001AE001 Page: 3 of 44

2 Test Summary

| Radio Spectrum Technical Requirement | | | | |
|---------------------------------------|-------------------------------------|-----|--|--------|
| Item Standard Method Requirement Resu | | | | Result |
| Antenna Requirement | 47 CFR Part 15, Subpart C 15.247 | N/A | 47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4) | Pass |

| Radio Spectrum Matter Part | | | | | | |
|---|------------------|---|--|--------|--|--|
| Item | Standard | Method | Requirement | Result | | |
| Conducted Emissions at AC Power Line (150kHz-30MHz) | - #1531-)) | ANSI C63.10 (2013) Section 6.2 | 47 CFR Part 15, Subpart C 15.207 | N/A | | |
| Conducted Peak Output Power | | ANSI C63.10 (2013) Section 11.9.1.3 | 47 CFR Part 15, Subpart C 15.247(b)(3) | Pass | | |
| Minimum 6dB Bandwidth | | ANSI C63.10 (2013) Section 11.8.1 | 47 CFR Part 15, Subpart C 15.247a(2) | Pass | | |
| Power Spectrum Density | 47 CFR Part 15, | ANSI C63.10 (2013) Section 11.10.2 | 47 CFR Part 15, Subpart C 15.247(e) | Pass | | |
| Conducted Band Edges Measurement | | ANSI C63.10 (2013) Section 11.13.3.2 | 47 CFR Part 15, Subpart C 15.247(d) | Pass | | |
| Conducted Spurious Emissions | Subpart C 15.247 | ANSI C63.10 (2013) Section 11.11 | 47 CFR Part 15, Subpart C 15.247(d) | Pass | | |
| Radiated Emissions which fall in the restricted bands | | ANSI C63.10 (2013) Section 6.10.5 | 47 CFR Part 15, Subpart C 15.205 & 15.209 | Pass | | |
| Radiated Spurious Emissions (Below 1GHz) | | ANSI C63.10 (2013) Section 6.4,6.5,6.6 | 47 CFR Part 15, Subpart C 15.205 & 15.209 | Pass | | |
| Radiated Spurious Emissions (Above 1GHz) | | ANSI C63.10 (2013) Section 6.4,6.5,6.6 | 47 CFR Part 15, Subpart C 15.205 & 15.209 | Pass | | |

Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

Due to the EUT is powered by Battery, so the Conducted Emissions at AC Power Line(150kHz-30MHz)is not applicable.

Model No.: X88, X99, X78, X79, X81, X72, X71, X73, X69, X89, X90, X91, X92, X93, X94, X95, X96, X97, X98, X100, X200, X300, X400, X500, X600, DRC190, DRC090

Only the model X88 was tested. According to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions of other models are identical for the above models, Only the model number is different.







Report No.: BTEK240308001AE001 Page: 4 of 44

3 Contents

| | | Page 🗌 |
|---|--|--------|
| 1 | Cover Page | 1 |
| 2 | Test Summary | 3 |
| 3 | Contents | 4 |
| - | General Information | |
| 4 | | |
| | 4.1 Details of E.U.T. | |
| | 4.2 Description of Support Units | |
| | 4.3 Measurement Uncertainty | |
| | 4.4 Test Location | |
| | 4.5 Deviation from Standards | |
| | 4.6 Abnormalities from Standard Conditions | |
| 5 | Equipment List | |
| 6 | Radio Spectrum Technical Requirement | 10 |
| | 6.1 Antenna Requirement | 10 |
| | 6.1.1 Test Requirement: | 10 |
| | 6.1.2 Conclusion | 10 |
| 7 | Radio Spectrum Matter Test Results | 11 |
| | 7.1 Conducted Emissions at AC Power Line (150kHz-30MHz) | |
| | 7.1 E.U.T. Operation | |
| | 7.1.2 Test Mode Description | |
| | 7.1.3 Test Setup Diagram | |
| | 7.1.4 Measurement Procedure and Data | |
| | 7.2 Conducted Peak Output Power | |
| | 7.2.1 E.U.T. Operation | |
| | 7.2.2 Test Mode Description | |
| | 7.2.3 Test Setup Diagram | 13 |
| | 7.2.4 Measurement Procedure and Data | 13 |
| | 7.3 Minimum 6dB Bandwidth | 14 |
| | 7.3.1 E.U.T. Operation | |
| | 7.3.2 Test Mode Description | |
| | 7.3.3 Test Setup Diagram | |
| | 7.3.4 Measurement Procedure and Data | |
| | 7.4 Power Spectrum Density | |
| | 7.4.1 E.U.T. Operation | |
| | 7.4.2 Test Mode Description7.4.3 Test Setup Diagram | |
| | 7.4.5 Test Setup Diagram | |
| | 7.5 Conducted Band Edges Measurement | |
| | 7.5.1 E.U.T. Operation | |
| | 7.5.2 Test Mode Description | |
| | 7.5.3 Test Setup Diagram | |
| | 7.5.4 Measurement Procedure and Data | |
| | 7.6 Conducted Spurious Emissions | |
| | 7.6.1 E.U.T. Operation | |
| | 7.6.2 Test Mode Description | |
| | 7.6.3 Test Setup Diagram | |
| | 7.6.4 Measurement Procedure and Data | 17 |
| | 7.7 Radiated Emissions which fall in the restricted bands | 18 |
| | 7.7.1 E.U.T. Operation | 18 |
| | | |





Report No.: BTEK240308001AE001 Page: 5 of 44

| | 7.7.2 | Test Mode Description Test Setup Diagram | |
|----|--------|---|----|
| | 7.7.3 | Test Setup Diagram | |
| | 7.7.4 | Measurement Procedure and Data | 19 |
| 7. | .8 F | Radiated Spurious Emissions (Below 1GHz) | |
| | 7.8.1 | E.U.T. Operation | 21 |
| | 7.8.2 | Test Mode Description | |
| | 7.8.3 | Test Setup Diagram | 21 |
| | 7.8.4 | Measurement Procedure and Data | |
| 7. | .9 F | Radiated Spurious Emissions (Above 1GHz) | |
| | 7.9.1 | E.U.T. Operation | |
| | 7.9.2 | Test Mode Description | |
| | 7.9.3 | Test Setup Diagram | |
| | 7.9.4 | Measurement Procedure and Data | |
| 8 | Test S | Setup Photo | 29 |
| 9 | EUT C | Constructional Details (EUT Photos) | |
| 10 | Apper | ndix | 30 |
| | | | |













Report No.: BTEK240308001AE001 Page: 6 of 44

4 General Information

4.1 Details of E.U.T.

| Power supply: | DC from 3 'AA' batteries |
|-------------------------------|--|
| Test Voltage: | N/A |
| Cable(s): | |
| Frequency Range: | 2402MHz to 2480MHz |
| Modulation Type: | GFSK |
| Number of Channels: | 40 |
| Antenna Type: | linear antenna |
| Antenna Gain: | 0.17 dBi |
| Remark: The information in th | his section is provided by the applicant or manufacturer. BANTEK is not liable |

Remark: The information in this section is provided by the applicant or manufacturer, BANTEK is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

| Description | Manufacturer | Model No. | Serial No. |
|-------------|--------------|-----------|------------|
| / | 0 0 1 | / | / |

4.3 Measurement Uncertainty

| Test Item | Measurement Uncertainty | |
|---|--|--|
| Conducted Emissions at AC Power Line (150kHz- 30MHz) | ±3.12dB | |
| Conducted Peak Output Power | ± 0.75dB | |
| Minimum 6dB Bandwidth | ± 3% | |
| Power Spectrum Density | ± 0.35dB | |
| Conducted Band Edges Measurement | ± 0.75dB | |
| Conducted Spurious Emissions | ± 0.75dB | |
| Radiated Emissions which fall in the restricted bands | ±5.08dB (1GHz-6GHz);±5.14dB(above 6GHz) | |
| Radiated Spurious Emissions (Below 1GHz) | ±5.06dB (3m); ±4.46dB (10m) | |
| Radiated Spurious Emissions (Above 1GHz) | ±5.08dB (1GHz-6GHz);±5.14dB(above 6GHz) | |





Report No.: BTEK240308001AE001 Page: 7 of 44

4.4 Test Location

All tests were performed at: Shenzhen BANTEK Testing Co., Ltd. A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104 Tel: +86 0755-2334 4200 Fax: +86 0755-2334 4200 FCC Registration Number: 264293 Designation Number: CN1356 No tests were sub-contracted.

4.5 Deviation from Standards

4.6 Abnormalities from Standard Conditions











Report No.: BTEK240308001AE001 Page: 8 of 44

5 Equipment List

| Conducted Emissions at AC Mains Power Port | | | | | | |
|--|------------------------------|------------------------|-----------------|------------|------------|--|
| Description | Manufacturer | Model | Serial No. | Cal. Date | Cal. Due | |
| Shielding Room | YIHENG ENECTRONIC 9*5*3.3 | | YH-BT-220304-04 | 2022-03-03 | 2025-03-02 | |
| EMI Test Receiver | Rohde&Schwarz | ESCI | 101021 | 2023-06-12 | 2024-06-11 | |
| Measurement Software | | EZ_EMC Ver. FA-03A2 | N/A | N/A | N/A | |
| LISN | Rohde&Schwarz | ENV216 | 101472 | 2023-06-12 | 2024-06-11 | |
| LISN | Schwarzbeck | NSLK 8128 | 05127 | 2023-06-12 | 2024-06-11 | |

| RF Conducted | | | | | |
|---|----------------------|-------------------------|---------------------|------------|--------------|
| Equipment | Manufacturer | Model No (| Serial No | Cal Date | Cal Due Date |
| Shielding Room | YIHENG ENECTRONIC | 5.5*3.1*3 | YH-BT- 220304-03 | 2022-03-03 | 2025-03-02 |
| EXA Signal Analyzer | KEYSIGHT | N9020A | MY54230486 | 2023-06-12 | 2024-06-11 |
| DC Power Supply | E3632A | E3642A | KR75304416 | 2023-06-12 | 2024-06-11 |
| Attenuator | RswTech | SMA-JK-6dB | N/A | 2023-06-12 | 2024-06-11 |
| Attenuator | RswTech | SMA-JK-3dB | N/A | 2023-06-12 | 2024-06-11 |
| RF Control Unit | Techy | TR1029-1 | N/A | 2023-06-12 | 2024-06-11 |
| RF Sensor Unit | Techy | TR1029-2 | N/A | 2023-06-12 | 2024-06-11 |
| WIDEBAND RADIO COMMUNICATION TESTER | R&S | CMW 500 | 141258 | 2023-06-12 | 2024-06-11 |
| MXG Vector Signal Generator | Agilent | N5182A | US46240522 | 2023-06-12 | 2024-06-11 |
| Programmable Temperature&Humidity Chamber | GRT | GR-HWX1000 | GR22051001 | 2023-06-12 | 2024-06-11 |
| Measurement Software | TACHOY | RF TestSoft V2.0.0.0 | N/A | N/A | N/A |

| RSE | | | | | |
|-----------------------------|----------------------|------------------------|---------------------|------------|--------------|
| Equipment | Manufacturer | Model No | Serial No | Cal Date | Cal Due Date |
| 3m Semi-Anechoic Chamber | YIHENG ENECTRONIC | 966 | YH-BT- 220304-01 | 2022-05-06 | 2025-05-05 |
| EMI Test Receiver | Rohde&Schwarz | ESCI | 100694 | 2023-06-12 | 2024-06-11 |
| TRILOG Broadband Antenna | Schwarzbeck | VULB 9168 (| 01324 | 2022-06-15 | 2025-06-14 |
| Pre-Amplifier | Schwarzbeck | BBV 9745 | #180 | 2023-06-12 | 2024-06-11 |
| Measurement Software | Fara | EZ_EMC Ver. FA-03A2 | N/A | 2023-06-12 | 2024-06-11 |
| EXA Signal Analyzer | Keysight | N9020A | MY54440290 | 2023-06-12 | 2024-06-11 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | 02695 | 2022-06-15 | 2025-06-14 |
| Pre-Amplifier | Tonscend | TAP0118045 | AP20K806109 | 2023-06-12 | 2024-06-11 |
| Horn Antenna | SCHWARZBECK | BBHA9170 | 1157 | 2022-06-15 | 2025-06-14 |





Report No.: BTEK240308001AE001 Page: 9 of 44

| Low Noise Pre-amplifier | SKET | LNPA-1840G- 50 | SK2022032902 | 2023-06-12 | 2024-06-11 |
|-------------------------|---------------|-------------------|--------------|------------|------------|
| Signal analyzer | ROHDE&SCHWARZ | FSQ40 | 100010 | 2023-06-12 | 2024-06-11 |
| Loop Antenna | ETS | 6502 | 00201177 | 2022-06-15 | 2025-06-14 |

| General used equipment | | | | | | | |
|---|--------------|----------|-----------|------------|--------------|--|--|
| Equipment | Manufacturer | Model No | Serial No | Cal Date | Cal Due Date | | |
| Humidity/Temperature/B arometric Pressure Indicator | KUMAR | F132 | N/A | 2023-06-12 | 2024-06-11 | | |
| Humidity/Temperature/B arometric Pressure Indicator | KUMAR | F132 | N/A | 2023-06-12 | 2024-06-11 | | |













Report No.: BTEK240308001AE001 Page: 10 of 44

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

6.1.2 Conclusion

Standard Requirement:

Testing shall be performed using the highest gain antenna of each combination of licence-exempt transmitter and antenna type, with the transmitter output power set at the maximum level. When a measurement at the antenna connector is used to determine RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna manufacturer.

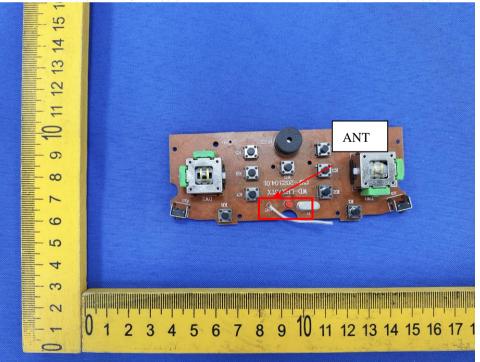
15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 0.17dBi.

Please refer to internal photos.







Report No.: BTEK240308001AE001 Page: 11 of 44

7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement47 CFR Part 15, Subpart C 15.207Test Method:ANSI C63.10 (2013) Section 6.2

| Lir | nit |
|-----|-----|
| | |

| Frequency of amission(MHz) | Conducted limit(dBµV) | | | | |
|---|--------------------------------|-----------|--|--|--|
| Frequency of emission(MHz) | Quasi-peak | Average | | | |
| 0.15-0.5 | 66 to 56* | 56 to 46* | | | |
| 0.5-5 | 56 | 46 | | | |
| 5-30 | 60 | 50 | | | |
| *Decreases with the logarithm of the fr | equency. | | | | |
| Detector: Peak for pre-scan (9kHz reso | olution bandwidth) 0.15M to 30 | DMHz | | | |

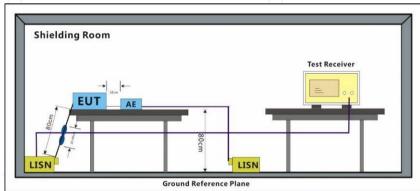
7.1.1 E.U.T. Operation

| Operating Enviro | onment: | | | | | |
|------------------|---------|-----------|-----------|-----------------------|------|------|
| Temperature: | 24.5 °C | Humidity: | 55.1 % RH | Atmospheric Pressure: | 1010 | mbar |
| | | | | | | |

7.1.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|--------------------------|--------------|---|
| Final test | 01 | TX mode_Keep the EUT in charging and continuously transmitting mode with GFSK modulation. |

7.1.3 Test Setup Diagram









Report No.: BTEK240308001AE001 Page: 12 of 44

7.1.4 Measurement Procedure and Data

1) The mains terminal disturbance voltage test was conducted in a shielded room.

2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $500hm/50\mu$ H + 50hm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.

4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.

5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: LISN=Read Level+ Cable Loss+ LISN Factor

Note: Due to the EUT is powered by 3 'AA' batteries, so the item is not applicable.







Report No.: BTEK240308001AE001 Page: 13 of 44

7.2 Conducted Peak Output Power

 Test Requirement
 47 CFR Part 15, Subpart C 15.247(b)(3)

 Test Method:
 ANSI C63.10 (2013) Section 11.9.1.3

Limit:

| Frequency range(MHz) | Output power of the intentional radiator(watt) | | |
|----------------------|--|--|--|
| | 1 for ≥50 hopping channels | | |
| 902-928 | 0.25 for 25≤ hopping channels <50 | | |
| | 1 for digital modulation | | |
| -15季 | 1 for ≥75 non-overlapping hopping channels | | |
| 2400-2483.5 | 0.125 for all other frequency hopping systems | | |
| | 1 for digital modulation | | |
| 5725-5850 | 1 for frequency hopping systems and digital modulation | | |

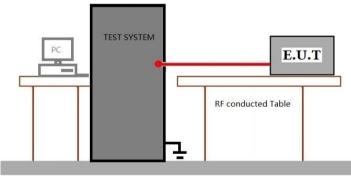
7.2.1 E.U.T. Operation

| Operating Enviro | nment: | | | | |
|------------------|---------|-----------|-----------|--------------------------|---------|
| Temperature: | 24.0 °C | Humidity: | 55.2 % RH | Atmospheric Pressure: 10 | 10 mbar |

7.2.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|--------------------------|--------------|--|
| Final test | 00 | TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation. |

7.2.3 Test Setup Diagram



Ground Reference Plane

7.2.4 Measurement Procedure and Data

cable loss=0.9dB Please Refer to Appendix for Details





Report No.: BTEK240308001AE001 Page: 14 of 44

7.3 Minimum 6dB Bandwidth

| Test Requirement | 47 CFR Part 15, Subpart C 15.247a(2) |
|------------------|--------------------------------------|
| Test Method: | ANSI C63.10 (2013) Section 11.8.1 |
| Limit: | ≥500 kHz |

7.3.1 E.U.T. Operation

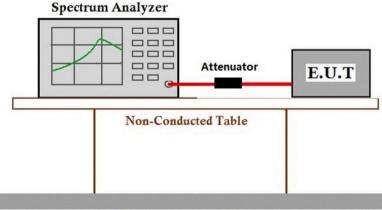
Operating Environment:

Temperature:24.1 °CHumidity:55.2 % RHAtmospheric Pressure:1010mbar

7.3.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|--------------------------|--------------|--|
| Final test | 00 | TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation. |

7.3.3 Test Setup Diagram



Ground Reference Plane

7.3.4 Measurement Procedure and Data

cable loss=0.9dB

Please Refer to Appendix for Details







Report No.: BTEK240308001AE001 Page: 15 of 44

7.4 Power Spectrum Density

| Test Requirement | 47 CFR Part 15, Subpart C 15.247(e) |
|------------------|-------------------------------------|
| Test Method: | ANSI C63.10 (2013) Section 11.10.2 |
| Limit: | |

≤8dBm in any 3 kHz band during any time interval of continuous transmission

7.4.1 E.U.T. Operation

| Operating Enviro | onment: |
|------------------|---------|
| Temperature: | 24.1 °C |

Humidity: 55.2 % RH

Atmospheric Pressure: 1010 mbar

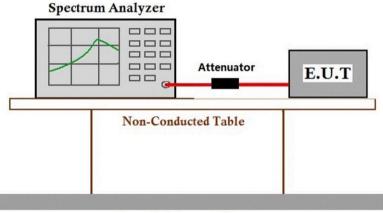
7.4.2 Test Mode Description

Pre-scan / Mode Description

Final test 00

TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.4.3 Test Setup Diagram



Ground Reference Plane

7.4.4 Measurement Procedure and Data

cable loss=0.9dB

Please Refer to Appendix for Details







Report No.: BTEK240308001AE001 Page: 16 of 44

7.5 Conducted Band Edges Measurement

Test Requirement Test Method: Limit: 47 CFR Part 15, Subpart C 15.247(d) ANSI C63.10 (2013) Section 11.13.3.2

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. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.205(c).

7.5.1 E.U.T. Operation

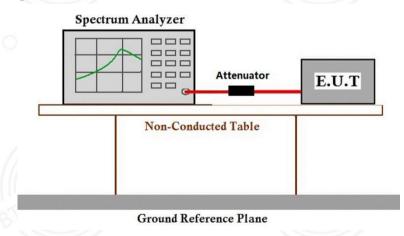
Operating Environment:

| Temperature: | 24.1 °C | Humidity: | 55.2 % RH | Atmospheric Pressure: | 1010 |
|--------------|---------|-----------|-----------|-----------------------|------|
|--------------|---------|-----------|-----------|-----------------------|------|

7.5.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|--------------------------|--------------|--|
| Final test | 00 | TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation. |

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

cable loss=0.9dB

Please Refer to Appendix for Details

ShenZhen BANTEK Testing Co.,Ltd. Add : A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street Bao'an District, Shenzhen, Guangdong, China 518104 Tel : +(86)755-2334 4200 E-mail : Service@btek-lab.com Web : www.btek-lab.com



mbar



Report No.: BTEK240308001AE001 Page: 17 of 44

7.6 Conducted Spurious Emissions

Test Requirement Test Method: Limit: 47 CFR Part 15, Subpart C 15.247(d) ANSI C63.10 (2013) Section 11.11

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. Attenuation below the general limits specified in §15.209(a) is not required. In addition, 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).

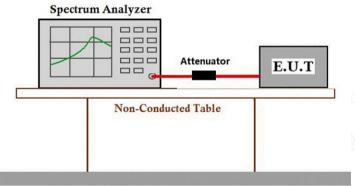
7.6.1 E.U.T. Operation

Operating Environment: Temperature: 24.1 °C Humidity: 55.2 % RH Atmospheric Pressure: 1010 mbar

7.6.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|--------------------------|--------------|--|
| Final test | 00 | TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation. |

7.6.3 Test Setup Diagram



Ground Reference Plane

7.6.4 Measurement Procedure and Data

cable loss=0.9dB

Please Refer to Appendix for Details





Report No.: BTEK240308001AE001 Page: 18 of 44

7.7 Radiated Emissions which fall in the restricted bands

Test Requirement47 CFR Part 15, Subpart C 15.205 & 15.209Test Method:ANSI C63.10 (2013) Section 6.10.5Limit:Limit:

| Frequency(MHz) | Field strength(microvolts/meter) | Measurement distance(meters) | | |
|----------------|----------------------------------|------------------------------|--|--|
| 0.009-0.490 | 2400/F(kHz) | 300 | | |
| 0.490-1.705 | 24000/F(kHz) | 30 | | |
| 1.705-30.0 | 30 | 30 | | |
| 30-88 | 100 | 3 | | |
| 88-216 | 150 | 3 | | |
| 216-960 | 200 | 3 | | |
| Above 960 | 500 | 3 | | |

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.7.1 E.U.T. Operation

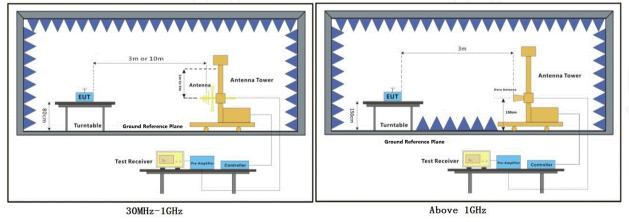
Operating Environment:

Temperature: 24.1 °C Humidity: 55.2 % RH Atmospheric Pressure: 1010 mbar

7.7.2 Test Mode Description

| i i e eeaii i | Mode Code | Description |
|---------------|--------------|--|
| Final test | 00 | TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation. |

7.7.3 Test Setup Diagram









Report No.: BTEK240308001AE001 Page: 19 of 44

7.7.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

h. Test the EUT in the lowest channel, the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.







Report No.: BTEK240308001AE001 Page: 20 of 44

| No. | Frequency (MHz) | Reading (dBuv) | Factor (dB/m) | Level (dBuv/m) | Limit (dBuv/m) | Margin(dB) | Detector | P/F |
|-----|--------------------|-------------------|------------------|-------------------|-------------------|------------|----------|-----|
| 1 | 2310.000 | 68.34 | -30.59 | 37.75 | 74.00 | -36.25 | peak | Р |
| 2 | 2390.000 | 69.99 | -30.49 | 39.50 | 74.00 | -34.50 | peak | Р |
| 3 | 2400.000 | 78.12 | -30.48 | 47.64 | 74.00 | -26.36 | peak | Р |

Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:Low

| | Test wode. 00, Folanty. Ventical, woodiation. GFSR, Channel. Low | | | | | | | | |
|------------|--|-------------------|------------------|-------------------|-------------------|------------|----------|--|--|
|) . | Frequency (MHz) | Reading (dBuv) | Factor (dB/m) | Level (dBuv/m) | Limit (dBuv/m) | Margin(dB) | Detector | | |
| | 2310.000 | 68.00 | -30.59 | 37.41 | 74.00 | -36.59 | peak | | |

Test Mode: 00: Polarity: Vertical: Modulation:GESK: Channel: I ow

| No. | Frequency (MHz) | Reading (dBuv) | Factor (dB/m) | Level (dBuv/m) | Limit (dBuv/m) | Margin(dB) | Detector | P/F |
|-----|--------------------|-------------------|------------------|-------------------|-------------------|------------|----------|-----|
| 1 | 2310.000 | 68.00 | -30.59 | 37.41 | 74.00 | -36.59 | peak | Ρd |
| 2 | 2390.000 | 69.20 | -30.49 | 38.71 | 74.00 | -35.29 | peak | Р |
| 3 | 2400.000 | 78.20 | -30.48 | 47.72 | 74.00 | -26.28 | peak | Р |

Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:High

| No. | Frequency (MHz) | Reading (dBuv) | Factor (dB/m) | Level (dBuv/m) | Limit (dBuv/m) | Margin(dB) | Detector | P/F |
|-----|--------------------|-------------------|------------------|-------------------|-------------------|------------|----------|-----|
| 1 | 2483.500 | 80.84 | -30.39 | 50.45 | 74.00 | -23.55 | peak | Р |
| 2 | 2500.000 | 71.38 | -30.37 | 41.01 | 74.00 | -32.99 | peak | Р |

Test Mode: 00; Polarity: Vertical; Modulation:GFSK; Channel:High

| No. | Frequency (MHz) | Reading (dBuv) | Factor (dB/m) | Level (dBuv/m) | Limit (dBuv/m) | Margin(dB) | Detector | P/F |
|-----|--------------------|-------------------|------------------|-------------------|-------------------|------------|----------|-----|
| 1 | 2483.500 | 80.78 | -30.39 | 50.39 | 74.00 | -23.61 | peak | Р |
| 2 | 2500.000 | 71.53 | -30.37 | 41.16 | 74.00 | -32.84 | peak | Р |







Report No.: BTEK240308001AE001 Page: 21 of 44

7.8 Radiated Spurious Emissions (Below 1GHz)

 Test Requirement
 47 CFR Part 15, Subpart C 15.205 & 15.209

 Test Method:
 ANSI C63.10 (2013) Section 6.4,6.5,6.6

 Limit:
 Ansi C63.10 (2013) Section 6.4,6.5,6.6

| Frequency(MHz) | Field strength(microvolts/meter) | Measurement distance(meters) |
|----------------|----------------------------------|------------------------------|
| 0.009-0.490 | 2400/F(kHz) | 300 |
| 0.490-1.705 | 24000/F(kHz) | 30 |
| 1.705-30.0 | 30 | 30 |
| 30-88 | 100 | 3 |
| 88-216 | 150 | 3 |
| 216-960 | 200 | 3 |
| Above 960 | 500 | 3 |

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.8.1 E.U.T. Operation

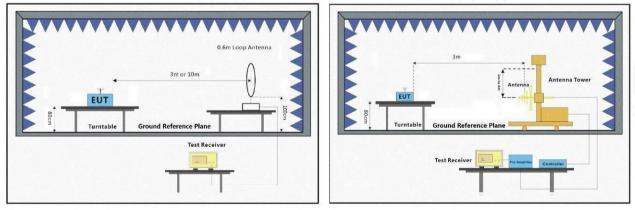
Operating Environment:

Temperature:24.3 °CHumidity:54.5 % RHAtmospheric Pressure:1010mbar

7.8.2 Test Mode Description

| | e-scan / nal test | Mode Code | Description | | | | | | | | | |
|-----|----------------------|--------------|--------------------------|-----|-----|----|--------------|--------------|------|------|------|--|
| Pre | e-scan | 00 | TX mode_Keep modulation. | the | EUT | in | continuously | transmitting | mode | with | GFSK | |

7.8.3 Test Setup Diagram







Report No.: BTEK240308001AE001 Page: 22 of 44

7.8.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

Remark:

1) Through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.

2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

3) Scan from 9kHz to 1 GHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.





Report No.: BTEK240308001AE001 Page: 23 of 44

Ρ

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Ρ

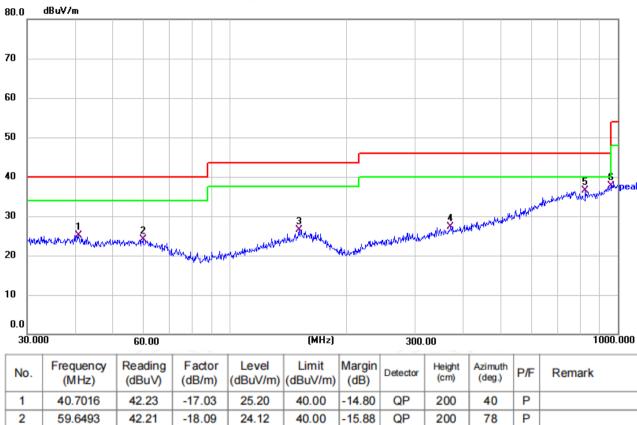
Ρ

237

244

358

109



43.50

46.00

46.00

46.00

-16.94

-18.69

-9.57

-8.25

QP

QP

QP

QP

200

100

100

100

Test Mode: 00; Polarity: Horizontal; Modulation:GFSK ; Channel:Low

Note: Level =Reading + Factor

150.5378

370.7023

824.5968

958.7943

43.36

43.22

45.15

44.58

-16.80

-15.91

-8.72

-6.83

26.56

27.31

36.43

37.75

3

4

5

6 *

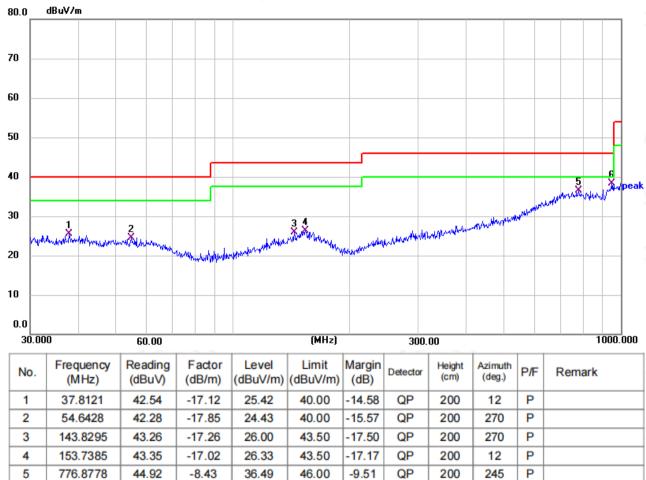




Report No.: BTEK240308001AE001 Page: 24 of 44

Ρ

12



-7.64

46.00

QP

200

Test Mode: 00; Polarity: Vertical; Modulation:GFSK ; Channel:Low

Note: Level =Reading + Factor

45.32

-6.96

38.36

948.7610

6

*





Report No.: BTEK240308001AE001 Page: 25 of 44

7.9 Radiated Spurious Emissions (Above 1GHz)

 Test Requirement
 47 CFR Part 15, Subpart C 15.205 & 15.209

 Test Method:
 ANSI C63.10 (2013) Section 6.4,6.5,6.6

 Limit:
 ANSI C63.10 (2013) Section 6.4,6.5,6.6

| Frequency(MHz) | Field strength(microvolts/meter) | Measurement distance(meters) |
|----------------|----------------------------------|------------------------------|
| 0.009-0.490 | 2400/F(kHz) | 300 |
| 0.490-1.705 | 24000/F(kHz) | 30 |
| 1.705-30.0 | 30 | 30 |
| 30-88 | 100 | 3 |
| 88-216 | 150 | 3 |
| 216-960 | 200 | 3 |
| Above 960 | 500 | 3 |

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.9.1 E.U.T. Operation

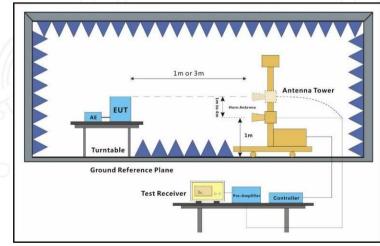
Operating Environment:

| remperature. 24.1 C Humany. 34.3 % Km Atmospheric ressure. 1010 mbar | Temperature | e: | 24.1 °C | | Humidity: | 54.5 % RH | | Atmospheric Pressure: | 1010 | mbar | |
|--|-------------|----|---------|--|-----------|-----------|--|-----------------------|------|------|--|
|--|-------------|----|---------|--|-----------|-----------|--|-----------------------|------|------|--|

7.9.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description | |
|--------------------------|--------------|--|--------------|
| Final test | 00 | TX mode_Keep the EUT in continuously transmitting mode with GFSk modulation. | \mathbf{O} |

7.9.3 Test Setup Diagram







Report No.: BTEK240308001AE001 Page: 26 of 44

7.9.4 Measurement Procedure and Data

a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

2) Scan from 1GHz to 25GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3) The field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.





Report No.: BTEK240308001AE001 Page: 27 of 44

| | 100 | | , i olanty. i lo | | | , Charmer.LOw | | |
|-----|--------------------|-------------------|------------------|-------------------|-------------------|---------------|----------|-----|
| No. | Frequency (MHz) | Reading (dBuv) | Factor (dB/m) | Level (dBuv/m) | Limit (dBuv/m) | Margin(dB) | Detector | P/F |
| 1 | 2913.977 | 70.44 | -30.18 | 40.26 | 74.00 | -33.74 | peak | Р |
| 2 | 4276.533 | 67.21 | -29.80 | 37.41 | 74.00 | -36.59 | peak | Р |
| 3 | 6085.643 | 64.22 | -25.30 | 38.91 | 74.00 | -35.09 | peak | Р |
| 4 | 8646.174 | 70.54 | -25.51 | 45.03 | 74.00 | -28.97 | peak | Р |
| 5 | 11046.466 | 68.88 | -22.50 | 46.38 | 74.00 | -27.62 | peak | Р |
| 6 | 14218.373 | 70.36 | -21.71 | 48.65 | 74.00 | -25.35 | peak | Р |

Test Mode: 01; Polarity: Horizontal; Modulation:GFSK; Channel:Low

Test Mode: 01; Polarity: Vertical; Modulation:GFSK ; Channel:Low

| | | | | | | 1 I I I | | |
|-----|-----------|---------|--------|----------|----------|------------|----------|-----|
| | Frequency | Reading | Factor | Level | Limit | | | |
| No. | (MHz) | (dBuv) | (dB/m) | (dBuv/m) | (dBuv/m) | Margin(dB) | Detector | P/F |
| 1 | 2973.191 | 66.84 | -29.17 | 37.67 | 74.00 | -36.33 | peak | P |
| 2 | 4312.974 | 68.84 | -29.77 | 39.07 | 74.00 | -34.93 | peak | Р |
| 3 | 6353.104 | 67.39 | -25.30 | 42.09 | 74.00 | -31.91 | peak | Р |
| 4 | 8575.380 | 69.41 | -25.81 | 43.60 | 74.00 | -30.40 | peak | Р |
| 5 | 11286.837 | 67.15 | -22.79 | 44.36 | 74.00 | -29.64 | peak | Р |
| 6 | 14956.529 | 70.04 | -19.50 | 50.53 | 74.00 | -23.47 | peak | Р |

Test Mode: 01; Polarity: Horizontal; Modulation:GFSK; Channel:middle

| No. | Frequency (MHz) | Reading (dBuv) | Factor (dB/m) | Level (dBuv/m) | Limit (dBuv/m) | Margin(dB) | Detector | P/F |
|-----|--------------------|-------------------|------------------|-------------------|-------------------|------------|----------|-----|
| 1 | 2914.214 | 68.95 | -29.42 | 39.53 | 74.00 | -34.47 | peak | Р |
| 2 | 4276.640 | 68.10 | -29.04 | 39.06 | 74.00 | -34.94 | peak | Р |
| 3 | 6085.446 | 64.54 | -25.91 | 38.63 | 74.00 | -35.37 | peak | P |
| 4 | 8645.948 | 69.16 | -24.14 | 45.02 | 74.00 | -28.98 | peak | Р |
| 5 | 11046.514 | 68.92 | -23.33 | 45.59 | 74.00 | -28.41 | peak | Р |
| 6 | 14217.721 | 71.78 | -20.15 | 51.63 | 74.00 | -22.37 | peak | Р |





Report No.: BTEK240308001AE001 Page: 28 of 44

| No. | Frequency (MHz) | Reading (dBuv) | Factor (dB/m) | Level (dBuv/m) | Limit (dBuv/m) | Margin(dB) | Detector | P/F |
|-----|--------------------|-------------------|------------------|-------------------|-------------------|------------|----------|-----|
| 1 | 2973.105 | 66.59 | -29.92 | 36.66 | 74.00 | -37.34 | peak | Р |
| 2 | 4312.642 | 69.68 | -27.96 | 41.71 | 74.00 | -32.29 | peak | Р |
| 3 | 6354.232 | 66.68 | -24.71 | 41.97 | 74.00 | -32.03 | peak | Р |
| 4 | 8575.439 | 70.09 | -25.86 | 44.24 | 74.00 | -29.76 | peak | Р |
| 5 | 11286.609 | 68.91 | -23.39 | 45.52 | 74.00 | -28.48 | peak | Р |
| 6 | 14955.034 | 71.09 | -20.17 | 50.92 | 74.00 | -23.08 | peak | Р |

Test Mode: 01; Polarity: Vertical; Modulation:GFSK; Channel:middle

Test Mode: 01; Polarity: Horizontal; Modulation:GFSK; Channel:High

| | Frequency | Reading | Factor | Level | Limit | | | |
|-----|-----------|---------|--------|----------|----------|------------|----------|-----|
| No. | (MHz) | (dBuv) | (dB/m) | (dBuv/m) | (dBuv/m) | Margin(dB) | Detector | P/F |
| 1 | 2914.307 | 70.45 | -30.48 | 39.97 | 74.00 | -34.03 | peak | P |
| 2 | 4276.672 | 68.28 | -28.60 | 39.68 | 74.00 | -34.32 | peak | Р |
| 3 | 6084.721 | 65.45 | -24.93 | 40.52 | 74.00 | -33.48 | peak | Р |
| 4 | 8646.413 | 69.34 | -24.64 | 44.69 | 74.00 | -29.31 | peak | Р |
| 5 | 11046.571 | 67.15 | -23.15 | 43.99 | 74.00 | -30.01 | peak | Р |
| 6 | 14217.876 | 71.73 | -21.13 | 50.59 | 74.00 | -23.41 | peak | Р |

Test Mode: 01; Polarity: Vertical; Modulation:GFSK; Channel:High

| No. | Frequency (MHz) | Reading (dBuv) | Factor (dB/m) | Level (dBuv/m) | Limit (dBuv/m) | Margin(dB) | Detector | P/F |
|-----|--------------------|-------------------|------------------|-------------------|-------------------|------------|----------|-----|
| 1 | 2972.689 | 66.57 | -28.75 | 37.83 | 74.00 | -36.17 | peak | Р |
| 2 | 4312.346 | 68.67 | -28.69 | 39.98 | 74.00 | -34.02 | peak | Р |
| 3 | 6352.877 | 67.77 | -25.13 | 42.63 | 74.00 | -31.37 | peak | P |
| 4 | 8576.244 | 70.21 | -25.57 | 44.64 | 74.00 | -29.36 | peak | Р |
| 5 | 11285.901 | 68.71 | -24.20 | 44.51 | 74.00 | -29.49 | peak | Р |
| 6 | 14955.666 | 70.20 | -20.75 | 49.45 | 74.00 | -24.55 | peak | Р |





 Report No.: BTEK240308001AE001

 Page:
 29 of 44

8 Test Setup Photo

Please refer to the Appendix test setup Photos.

9 EUT Constructional Details (EUT Photos)

Please refer to the Appendix EUT Photos.









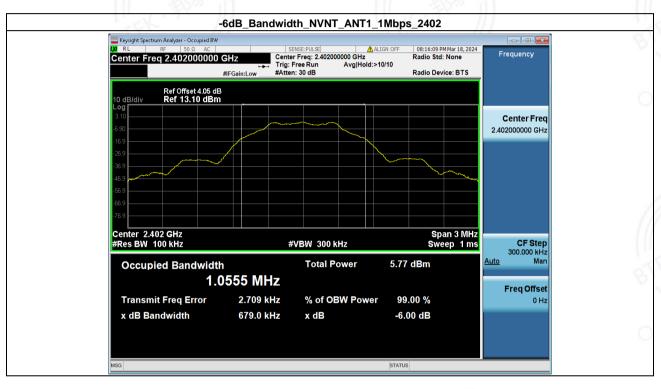


Report No.: BTEK240308001AE001 Page: 30 of 44

10 Appendix

1. -6dB Bandwidth

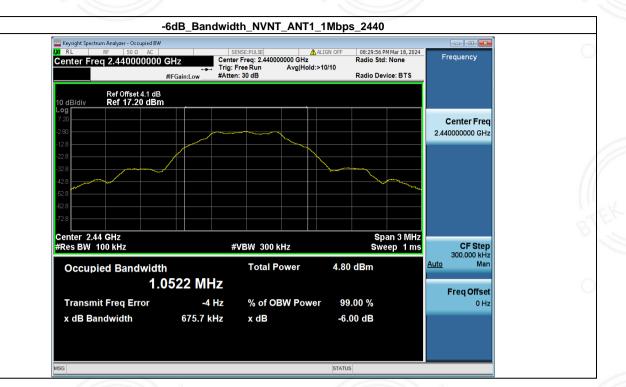
| Condition | Antenna | Rate | Frequency (MHz) | -6dB BW(kHz) | limit(kHz) | Result |
|-----------|---------|-------|-----------------|--------------|------------|--------|
| NVNT | ANT1 | 1Mbps | 2402 | 678.99 | 500 | Pass |
| NVNT | ANT1 | 1Mbps | 2440.00 | 675.69 | 500 | Pass |
| NVNT | ANT1 | 1Mbps | 2480 | 692.35 | 500 | Pass |

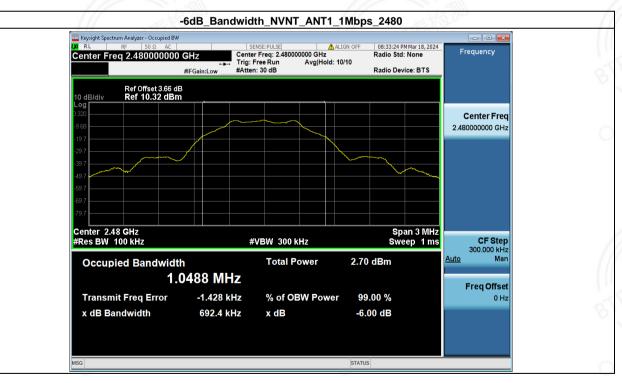






Report No.: BTEK240308001AE001 Page: 31 of 44





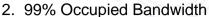


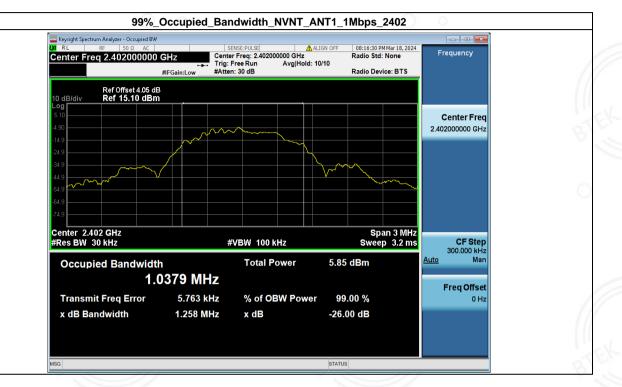


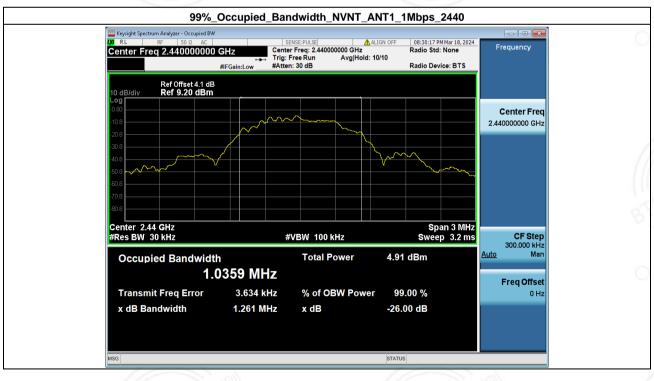


Report No.: BTEK240308001AE001 Page: 32 of 44

| 2 | | | | | | | | | | |
|---|-----------|---------|-------|-----------------|-------------|--|--|--|--|--|
| | Condition | Antenna | Rate | Frequency (MHz) | 99%%BW(MHz) | | | | | |
| | NVNT | ANT1 | 1Mbps | 2402 | 1.038 | | | | | |
| | NVNT | ANT1 | 1Mbps | 2440.00 | 1.036 | | | | | |
| | NVNT | ANT1 | 1Mbps | 2480 | 1.034 | | | | | |



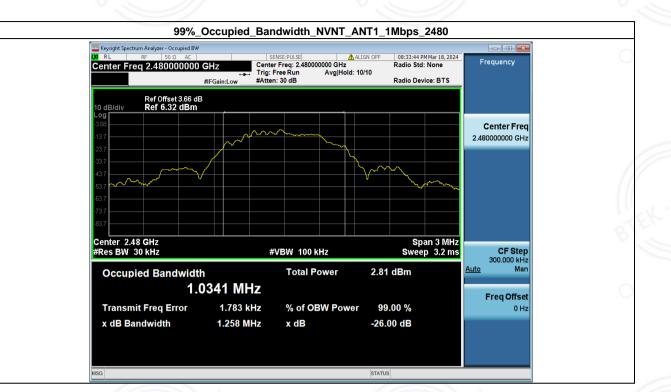








Report No.: BTEK240308001AE001 Page: 33 of 44



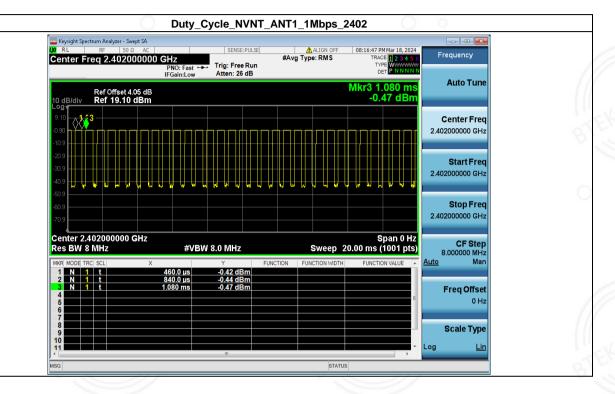


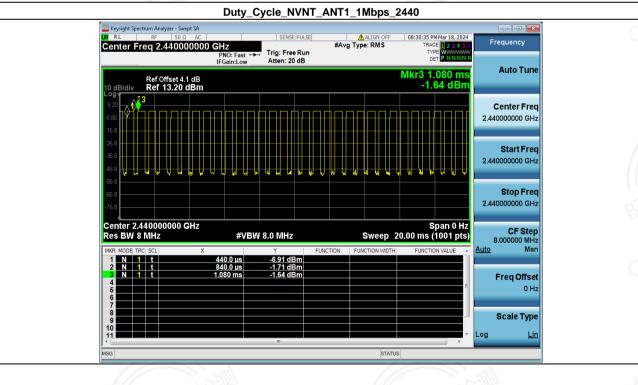


Report No.: BTEK240308001AE001 Page: 34 of 44

3. Duty Cycle

| O. Duty Oyolo | | | | | |
|---------------|---------|-------|-----------------|--------------|-------------|
| Condition | Antenna | Rate | Frequency (MHz) | Dutycycle(%) | Duty_factor |
| NVNT | ANT1 | 1Mbps | 2402 | 64.52 | 1.90 |
| NVNT | ANT1 | 1Mbps | 2440.00 | 65.62 | 1.83 |
| NVNT | ANT1 | 1Mbps | 2480 | 61.29 | 2.13 |

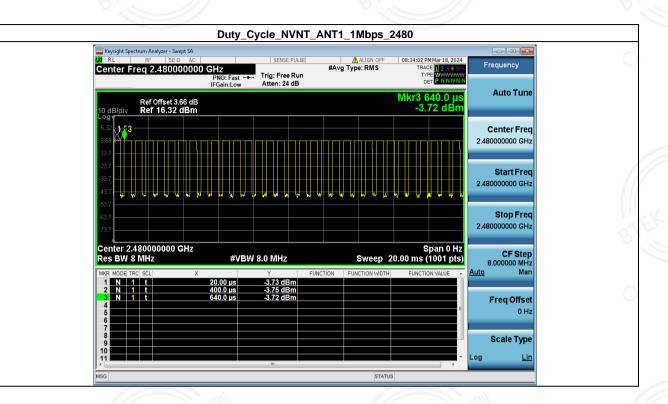








Report No.: BTEK240308001AE001 Page: 35 of 44





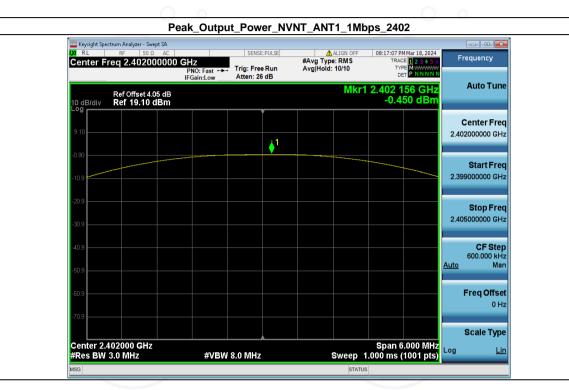




Report No.: BTEK240308001AE001 Page: 36 of 44

| Condit | ion | Antenna | Rate | Frequency (MHz) | Max. Conducted Power(dBm) | Max. Conducted Power(mW) | Limit(mW) | Result |
|--------|-----|---------|-------|--------------------|------------------------------|-----------------------------|-----------|--------|
| NVN | Г | ANT1 | 1Mbps | 2402 | -0.45 | 0.90 | 1000 | Pass |
| NVN | Г | ANT1 | 1Mbps | 2440.00 | -1.65 | 0.68 | 1000 | Pass |
| NVN | Г | ANT1 | 1Mbps | 2480 | -3.73 | 0.42 | 1000 | Pass |

4. Peak Output Power



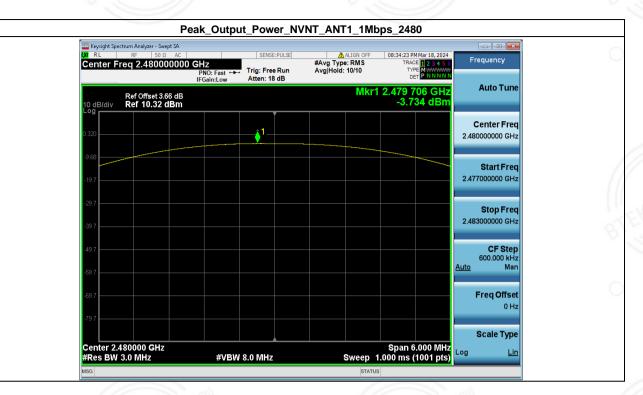
Peak_Output_Power_NVNT_ANT1_1Mbps_2440

| Keysight Spectrum Analyzer - Swept SA RL RF 50 Ω AC Center Freq 2.440000000 | GHz PNO: Fast ↔→ | SENSE:PULSE | ALIGN OFF #Avg Type: RMS Avg Hold: 10/10 | 08:30:56 PM Mar 18, 2024 TRACE 1 2 3 4 5 6 TYPE M | Frequency |
|---|----------------------------|--------------|--|---|---|
| Ref Offset 4.1 dB 0 dB/div Ref 13.20 dBm | PNO: Fast ↔→ IFGain:Low | Atten: 20 dB | | 1 2.440 180 GHz -1.650 dBm | Auto Tune |
| 3.20 | | | | | Center Freq 2.440000000 GHz |
| 6.80 | | | | | Start Freq 2.437000000 GHz |
| 36.8 | | | | | Stop Freq 2.443000000 GHz |
| 46.8 | | | | | CF Step 600.000 kHz <u>Auto</u> Man |
| 66.8 | | | | | Freq Offset 0 Hz |
| Center 2.440000 GHz | | | | Span 6.000 MHz | Scale Type |
| Res BW 3.0 MHz | #VBW 8 | 3.0 MHz | Sweep statu | Span 6.000 MHz 1.000 ms (1001 pts) s | Log <u>Lin</u> |





Report No.: BTEK240308001AE001 Page: 37 of 44



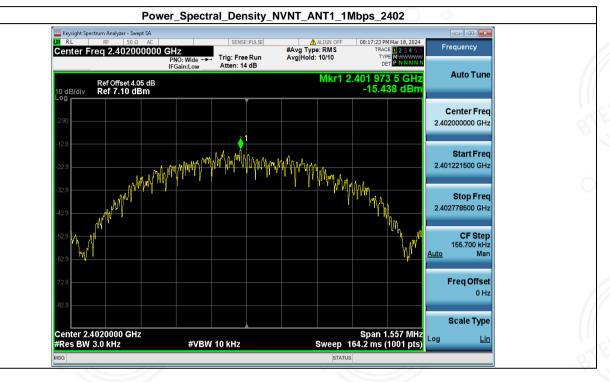


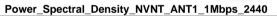


Report No.: BTEK240308001AE001 Page: 38 of 44

| Condition | Antenna | Rate | Frequency (MHz) | Power Spectral Density(dBm) | Limit(dBm/3kHz) | Result | | |
|-----------|---------|-------|-----------------|-----------------------------|-----------------|--------|--|--|
| NVNT | ANT1 | 1Mbps | 2402 | -15.44 | 8 | Pass | | |
| NVNT | ANT1 | 1Mbps | 2440.00 | -16.26 | 8 | Pass | | |
| NVNT | ANT1 | 1Mbps | 2480 | -18.59 | 8 | Pass | | |





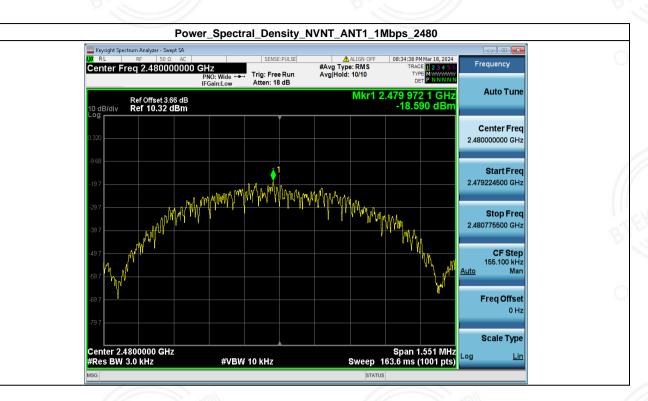








Report No.: BTEK240308001AE001 Page: 39 of 44





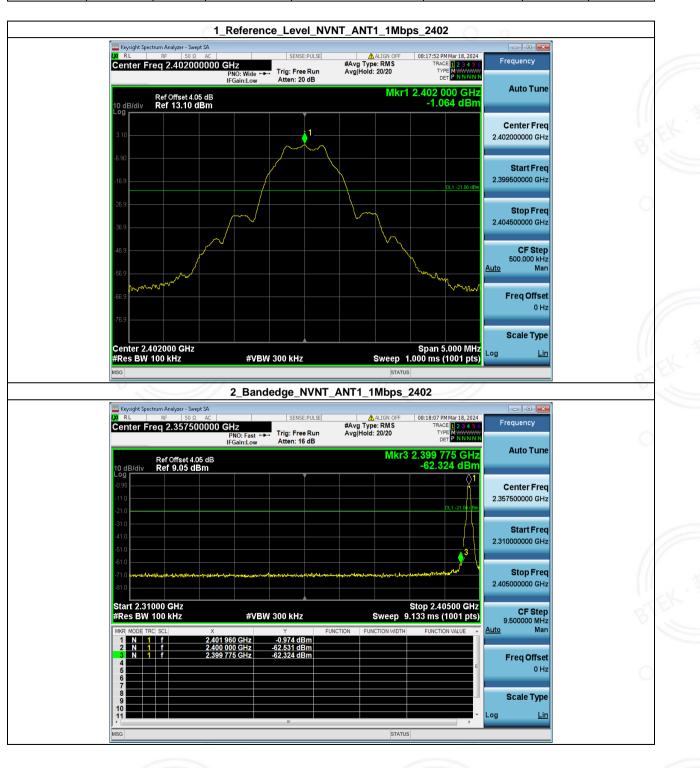




Report No.: BTEK240308001AE001 Page: 40 of 44

6. Bandedge

| Condition | Antenna | Rate | TX_Frequency (MHz) | Max. Mark Frequency (MHz) | Spurious level(dBm) | limit(dBm) | Result |
|-----------|---------|-------|-----------------------|------------------------------|------------------------|------------|--------|
| NVNT | ANT1 | 1Mbps | 2402 | 2399.775 | -62.324 | -21.064 | Pass 💛 |
| NVNT | ANT1 | 1Mbps | 2480 | 2484.250 | -67.695 | -24.331 | Pass |







Report No.: BTEK240308001AE001 Page: 41 of 44







Report No.: BTEK240308001AE001 Page: 42 of 44

Frequency

| 7. Spurious Emission | | | | | | | | |
|----------------------|--------------|--------------------------|--|--|--|--|--|--|
| Antenna | Rate | TX_Frequency(MHz) | Spurious MAX.Value(dBm) | Limit | Result | | | |
| ANT1 | 1Mbps | 2402 | -58.205 | -21.064 | Pass | | | |
| ANT1 | 1Mbps | 2440.00 | -37.045 | -22.168 | Pass | | | |
| ANT1 | 1Mbps | 2480 | -60.856 | -24.331 | Pass | | | |
| | ANT1 ANT1 | ANT1 1Mbps ANT1 1Mbps | ANT1 1Mbps 2402 ANT1 1Mbps 2440.00 | ANT1 1Mbps 2402 -58.205 ANT1 1Mbps 2440.00 -37.045 | ANT1 1Mbps 2402 -58.205 -21.064 ANT1 1Mbps 2440.00 -37.045 -22.168 | | | |

1_Reference_Level_NVNT_ANT1_1Mbps_2402

Center Freq 2.402000000 GHz

ALIGN OF #Avg Type: RMS Avg|Hold: 20/20 7:52 PM Mar 18, 2024 TRACE 1 2 3 4 5 (



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Freq Offset 0 Hz

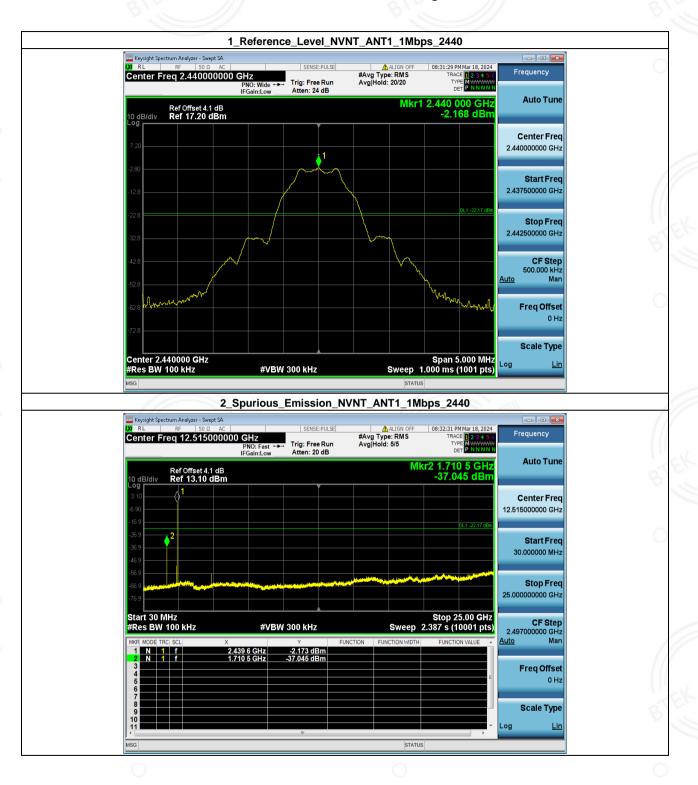
Scale Type

Lin

Log



Report No.: BTEK240308001AE001 Page: 43 of 44







Report No.: BTEK240308001AE001 Page: 44 of 44



- End of the Report -

