

Report No.: GZCR220500057001 Page: 1 of 48 FCC ID: 2AQTS-BT21-U

TEST REPORT

| Test Result: | Pass* |
|----------------------------|--|
| Date of Issue: | 2022-06-20 |
| Date of Test: | 2022-05-13 to 2022-05-26 |
| Date of Receipt: | 2022-05-09 |
| Standard(s) : | 47 CFR Part 15, Subpart C 15.249 |
| * | Please refer to section 2 of this report which indicates which item was actually tested and which were electrically identical. |
| Model No.: | 8809841687393, 8809841687409, 8809841687416 🔺 |
| EUT Name: | BT21_22_RETRO_KEYBOARD_SET |
| Equipment Under Test (EUT) | : |
| Address of Factory: | 277 broadway suit 1208 new york, NY 100072033, USA |
| Factory: | Bath & Beauty Work, Ltd. |
| Address of Manufacturer: | 277 broadway suit 1208 new york, NY 100072033, USA |
| Manufacturer: | Bath & Beauty Work, Ltd. |
| Address of Applicant: | 5F, 98, Hannam-daero, Yongsan-gu, Seoul, South Korea |
| Applicant: | IPX Corporation |
| Application No.: | GZCR2205000570AT |

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

oke. Jun

Kobe Jian EMC Laboratory Manager



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| Revision Record | | | |
|-----------------|------------------|------------|----------|
| Version | Report No. | Date | Remark |
| 01 | GZCR220500057001 | 2022-06-20 | Original |
| | | | |
| | | | |

| Authorized for issue by: | | |
|--------------------------|------------------------------|--|
| | Kevin zhang | |
| | Kevin Zhang/Project Engineer | |
| | Ridey Lin | |
| | Ricky Liu/Reviewer | |



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Test Summary 2

| Radio Spectrum Technical Requirement | | | | |
|--------------------------------------|-------------------------------------|--------|-------------------------------------|--------|
| ltem | Standard | Method | Requirement | Result |
| Antenna Requirement | 47 CFR Part 15, Subpart C 15.249 | N/A | 47 CFR Part 15, Subpart C 15.203 | Pass |

| Radio Spectrum Matter Part | | | | | |
|--|-------------------------------------|---------------------------------------|---|--------|--|
| Item | Standard | Method | Requirement | Result | |
| Conducted Emissions at AC Power Line (150kHz-30MHz) | | ANSI C63.10 (2013) Section 6.2 | 47 CFR Part 15, Subpart C 15.207 | Pass | |
| 20dB Bandwidth | | ANSI C63.10 (2013) Section 6.9 | 47 CFR Part 15, Subpart C 15.215 | Pass | |
| Field Strength of the Fundamental Signal (15.249(a)) | 47 CFR Part 15, Subpart C 15.249 | ANSI C63.10 (2013) Section 6.5&6.6 | 47 CFR Part 15, Subpart C 15.249(a) | Pass | |
| Restricted Band Around Fundamental Frequency | | ANSI C63.10 (2013) Section 6.10.5 | 47 CFR Part 15, Subpart C 15.205 & 15.249(d) & 15.209 | Pass | |
| Radiated Emissions Below 1GHz | | ANSI C63.10 (2013) Section 6.4&6.5 | 47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d) | Pass | |
| Radiated Emissions Above 1GHz | | ANSI C63.10 (2013) Section 6.6 | 47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d) | 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.

*Declaration of EUT Family Grouping:

Model No.: 8809841687393, 8809841687409, 8809841687416.

According to the declaration from the applicant, the electrical circuit design, layout, components used and internal wiring were identical for all models, with only difference on the appearance color.

Therefore only one model 8809841687393 was tested in this report.



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4 General Information

4.1 Details of E.U.T.

| Power supply: | DC 5 V |
|----------------------|--|
| Ports: | USB ports |
| Test Voltage: | AC 120 V, 60 Hz powered by PC refer to section 4.2 |
| Operation Frequency: | 2408 MHz to 2474 MHz |
| Modulation Type: | FSK |
| Number of Channels: | 34 as below |
| Channel Spacing: | 2 MHz |
| Antenna Type: | Integral Antenna |
| Antenna Gain: | -0.61 dBi |

| Operation Frequency each of channel | | | | | | | |
|-------------------------------------|-----------|--------|-----------|---------|-----------|---------|-----------|
| Channel | Frequency | Channe | Frequency | Channel | Frequency | Channel | Frequency |
| 1 | 2408MHz | 10 | 2426MHz | 19 | 2444MHz | 28 | 2462MHz |
| 2 | 2410MHz | 11 | 2428MHz | 20 | 2446MHz | 29 | 2464MHz |
| 3 | 2412MHz | 12 | 2430MHz | 21 | 2448MHz | 30 | 2466MHz |
| 4 | 2414MHz | 13 | 2432MHz | 22 | 2450MHz | 31 | 2468MHz |
| 5 | 2416MHz | 14 | 2434MHz | 23 | 2452MHz | 32 | 2470MHz |
| 6 | 2418MHz | 15 | 2436MHz | 24 | 2454MHz | 33 | 2472MHz |
| 7 | 2420MHz | 16 | 2438MHz | 25 | 2456MHz | 34 | 2474MHz |
| 8 | 2422MHz | 17 | 2440MHz | 26 | 2458MHz | | |
| 9 | 2424MHz | 18 | 2442MHz | 27 | 2460MHz | | |

Using test software was control EUT work in continuous transmitter and select test channel as below:

| Channel | Frequency |
|----------------------------|-----------|
| The lowest channel (CH1) | 2408MHz |
| The middle channel (CH17) | 2440MHz |
| The highest channel (CH34) | 2474MHz |

4.2 Description of Support Units

| Description | Manufacturer | Model No. | Serial No. |
|--------------------|--------------|---------------|------------|
| Note Book Computer | LENOVO | ThinkPad T490 | PF1D1MVJ |



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4.3 Measurement Uncertainty

| Test Item | Measurement Uncertainty |
|---|--|
| Conducted Emissions at AC Power Line (150kHz- 30MHz) | ± 2.76dB (150kHz to 30MHz) |
| 20dB Bandwidth | ± 3% |
| Field Strength of the Fundamental Signal (15.249(a)) | ±5.00dB (30MHz-1GHz; 3m);±4.38dB (30MHz-1GHz; 10m);± 5.12dB (1GHz- 6GHz);± 5.38dB (6GHz-18GHz);± 5.61dB (18GHz-40GHz) |
| Restricted Band Around Fundamental Frequency | ±5.00dB (30MHz-1GHz; 3m);±4.38dB (30MHz-1GHz; 10m);± 5.12dB (1GHz- 6GHz);± 5.38dB (6GHz-18GHz);± 5.61dB (18GHz-40GHz) |
| Radiated Emissions Below 1GHz | ± 5.00dB (30MHz-1GHz):3m; ± 4.38dB (30MHz-1GHz):10m |
| Radiated Emissions Above 1GHz | ±5.12 dB (1GHz-6 GHz); ±5.38 dB (6GHz-18GHz); ±5.61 dB (18GHz- 40GHz) |

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory, 198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 Tel: +86 20 82155555 Fax: +86 20 82075059 No tests were sub-contracted.



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4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• NVLAP (Lab Code: 200611-0)

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200611-0.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP. NIST, or any agency of the Federal Government.

• ACMA

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

CNAS (Lab Code: L0167)

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been assessed and in compliance with CNAS-CL01:2018 accreditation criteria for testing laboratories (identical to

ISO/IEC 17025:2017 General Requirements) for the Competence of Testing Laboratories.

• FCC Recognized Accredited Test Firm(Registration No.: 486818)

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

ISED (Registration No.: 4620B, CAB identifier: CN0052)

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

CBTL (Lab Code: TL129)

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.



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4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

4.8 Duty cycle of the EUT

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.

All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percent.

Formula:

Duty Cycle = Ton/(Ton+Toff)

Measurement Procedure:

- 1. Set span = Zero
- 2. RBW=8MHz
- 3. VBW=8MHz
- 4. Detector=Peak

| Channel (MHz) | Mode | Duty Cycle (%) |
|---------------|------|----------------|
| 2408MHz | FSK | 11.2 |
| 2442MHz | FSK | 11.3 |
| 2474MHz | FSK | 10.1 |



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EMC-TRF-01

Equipment List 5

| Conducted Emissions at AC Power Line (150kHz-30MHz) | | | | | | | | |
|---|--------------------------------------|-------------------|-----------------|------------|--------------|--|--|--|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date | | | |
| Coaxial Cable | HangTianXing | 2m | EMC0107 | 2020-09-09 | 2022-09-08 | | | |
| Shielding Room | ChangZhou ZhongYu | 8m x 3m x 3.8m | EMC0306 2019-10 | | 2022-10-19 | | | |
| Two-Line V-Network-GZ | vo-Line V-Network-GZ Rohde & Schwarz | | EMC2135 | 2021-09-24 | 2022-09-23 | | | |
| EMI Test Receiver (9kHz-3.6GHz) | Rohde & Schwarz | ESR3 | EMC2221 | 2022-05-20 | 2023-05-19 | | | |
| Test Software E3r Audix | | Ver.6.11812 | GZE100-77 | N/A | N/A | | | |

| 20dB Bandwidth | | | | | | | | |
|--------------------------------------|----------------------|----------|--------------|------------|--------------|--|--|--|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date | | | |
| MI CABLE | SGS-EMC | 0.8M | EMC2137 | 2021-11-02 | 2023-11-01 | | | |
| MXA Signal Analyzer (10Hz-8.4GHz) | Agilent Technologies | N9020A | SEM004-10 | 2022-03-03 | 2023-03-02 | | | |

| Field Strength of the Fundamental Signal (15.249(a)) | | | | | | | | |
|--|---|---------------|--------------|------------|--------------|--|--|--|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date | | | |
| 1GHz-26.5 GHz Pre- Amplifier | Agilent | 8449B | EMC0521 | 2021-12-17 | 2022-12-16 | | | |
| EMI Test Receiver (10Hz-26.5GHz) | EMI Test Receiver (10Hz-26.5GHz)Rohde & SchwarzESIB26EMC0522 | | 2021-12-17 | 2022-12-16 | | | | |
| Chamber cable (Above 1GHz) | Scoflex | KMKM-8.0m | EMC0545 | 2020-09-09 | 2022-09-08 | | | |
| Horn Antenna (1GHz- 18GHz) | SCHWARZBECK MESS-ELEKTRONIK | BBHA 9120D | EMC2026 | 2019-09-25 | 2022-09-24 | | | |
| Horn Antenna (14- 40GHz) | SCHWARZBECK | BBHA 9170 | EMC2041 | 2020-06-28 | 2023-06-27 | | | |
| 966 Anechoic Chamber | C.R.T | 9m x 6m x 6m | EMC2142 | 2020-12-20 | 2023-12-19 | | | |
| Test Software E3 | Audix | Ver.6.120110a | GZE100-61 | N/A | N/A | | | |



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| Restricted Band Around Fundamental Frequency | | | | | | | | |
|--|--------------------------------|-------------------------------|-----------|------------|--------------|--|--|--|
| Equipment | Manufacturer | Model No Inventory No | | Cal Date | Cal Due Date | | | |
| 1GHz-26.5 GHz Pre- Amplifier | Agilent | 8449B | EMC0521 | 2021-12-17 | 2022-12-16 | | | |
| EMI Test Receiver (10Hz-26.5GHz) | Rohde & Schwarz | ohde & Schwarz ESIB26 EMC0522 | | 2021-12-17 | 2022-12-16 | | | |
| Chamber cable (Above 1GHz) | Scoflex | KMKM-8.0m | EMC0545 | 2020-09-09 | 2022-09-08 | | | |
| Horn Antenna (1GHz- 18GHz) | SCHWARZBECK MESS-ELEKTRONIK | BBHA 9120D | EMC2026 | 2019-09-25 | 2022-09-24 | | | |
| 966 Anechoic Chamber | 6 Anechoic Chamber C.R.T | | EMC2142 | 2020-12-20 | 2023-12-19 | | | |
| Test Software E3 | Audix | Ver.6.120110a | GZE100-61 | N/A | N/A | | | |

| Radiated Emissions Below 1GHz | | | | | | | | |
|--|--|---------------|--------------|------------|--------------|--|--|--|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date | | | |
| 10m Semi-Anechoic Chamber | ETS | N/A | EMC0530 | 2019-10-20 | 2022-10-19 | | | |
| Chamber cable | HangTianXing | N/A | EMC0542 | 2020-09-09 | 2022-09-08 | | | |
| Amplifier (9kHz-1.3GHz) | HP | 8447F | EMC2065 | 2022-05-16 | 2023-05-15 | | | |
| High Pass Filter (915MHz) | High Pass Filter (915MHz) FSY MICROWAVE | | EMC2079 | 2021-12-17 | 2022-12-16 | | | |
| EMI Test Receiver (1Hz- 8GHz) Rohde & Schwarz | | ESW8 | EMC2220 | 2022-05-20 | 2023-05-19 | | | |
| Test Software E3 Audix | | Ver.6.120110a | GZE100-61 | N/A | N/A | | | |
| Trilog Broadband Antenna (25MHz-1GHz) | SCHWARZBECK MESS-ELEKTRONIK | VULB 9168 | SEM003-18 | 2022-03-03 | 2025-03-02 | | | |

| Radiated Emissions Above 1GHz | | | | | | | | |
|-------------------------------------|--------------------------------------|---------------|--------------|------------|--------------|--|--|--|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date | | | |
| 1GHz-26.5 GHz Pre- Amplifier | Agilent | 8449B | EMC0521 | 2021-12-17 | 2022-12-16 | | | |
| EMI Test Receiver (10Hz-26.5GHz) | Rohde & Schwarz | ESIB26 | EMC0522 | 2021-12-17 | 2022-12-16 | | | |
| Chamber cable (Above 1GHz) | Scoflex | KMKM-8.0m | EMC0545 | 2020-09-09 | 2022-09-08 | | | |
| Horn Antenna (1GHz- 18GHz) | SCHWARZBECK MESS-ELEKTRONIK | BBHA 9120D | EMC2026 | 2019-09-25 | 2022-09-24 | | | |
| Horn Antenna (14- 40GHz) | n Antenna (14- 40GHz) SCHWARZBECK | | EMC2041 | 2020-06-28 | 2023-06-27 | | | |
| 2.4GHz Filter | 2.4GHz Filter Micro-Tronics | | EMC2069 | 2021-12-17 | 2022-12-16 | | | |
| 966 Anechoic Chamber | 966 Anechoic Chamber C.R.T | | EMC2142 | 2020-12-20 | 2023-12-19 | | | |
| Test Software E3 | Audix | Ver.6.120110a | GZE100-61 | N/A | N/A | | | |



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| General used equipment | | | | | | | | |
|------------------------|--------------|----------|--------------|------------|--------------|--|--|--|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date | | | |
| DMM | Fluke | 73 | EMC0006 | 2021-07-05 | 2022-07-05 | | | |



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

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. The use of a 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.

EUT Antenna: The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is -0.61 dBi.

Antenna location: Refer to Internal photos



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Radio Spectrum Matter Test Results 7

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

| Test Requirement | 47 CFR Part 15, Subpart C 15.207 |
|------------------|----------------------------------|
| Test Method: | ANSI C63.10 (2013) Section 6.2 |
| Limit: | |

| | 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 frequency. | | | | | | |
| Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz | | | | | | |

7.1.1 E.U.T. Operation

| Operating Environment: | | | | | | | | |
|------------------------|---------|-----------|-----------|-----------------------|------|------|--|--|
| Temperature: | 22.9 °C | Humidity: | 54.6 % RH | Atmospheric Pressure: | 1005 | mbar | | |

7.1.2 Test Mode Description

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

7.1.3 Test Setup Diagram





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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/50uH + 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: Level=Read Level+ Cable Loss+ LISN Factor



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Test Mode: 00; Line: Live line



Mode . Model :

| | Frequenc MHz | Read Level dBuV | Cable Loss dB | LISN Factor dB | Measured Level dBuV | Limit Line dBuV | Over Limit dB | Remark |
|----|-----------------|-----------------------|---------------------|----------------------|---------------------------|-----------------------|---------------------|---------|
| | | 07.46 | 0.00 | | | | 40.00 | |
| T | 0.150 | 27.16 | 0.00 | 9.54 | 56.76 | 55.50 | -10.00 | Average |
| 2 | 0.158 | 42.67 | 0.06 | 9.54 | 52.27 | 65.56 | -13.29 | QP |
| 3 | 0.204 | 24.79 | 0.06 | 9.56 | 34.41 | 53.45 | -19.04 | Average |
| 4 | 0.204 | 41.99 | 0.06 | 9.56 | 51.61 | 63.45 | -11.84 | QP |
| 5 | 0.371 | 17.08 | 0.06 | 9.58 | 26.72 | 48.47 | -21.75 | Average |
| 6 | 0.371 | 32.17 | 0.06 | 9.58 | 41.81 | 58.47 | -16.66 | QP |
| 7 | 2.144 | 18.27 | 0.12 | 9.60 | 27.99 | 46.00 | -18.01 | Average |
| 8 | 2.144 | 27.17 | 0.12 | 9.60 | 36.89 | 56.00 | -19.11 | QP |
| 9 | 4.672 | 10.53 | 0.18 | 9.65 | 20.36 | 46.00 | -25.64 | Average |
| 10 | 4.672 | 22.71 | 0.18 | 9.65 | 32.54 | 56.00 | -23.46 | QP |
| 11 | 17.109 | 17.33 | 0.33 | 9.83 | 27.49 | 50.00 | -22.51 | Average |
| 12 | 17.109 | 29.59 | 0.33 | 9.83 | 39.75 | 60.00 | -20.25 | QP |
| | | | | | | | | |



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Test Mode: 00; Line: Neutral Line



Mode . Model :

| | Frequenc MHz | Read Level dBuV | Cable Loss dB | LISN Factor dB | Measured Level dBuV | Limit Line dBuV | Over Limit dB | Remark |
|----|-----------------|-----------------------|---------------------|----------------------|---------------------------|-----------------------|---------------------|---------|
| | | | | | | | | |
| 1 | 0.155 | 34.32 | 0.06 | 9.53 | 43.91 | 55.74 | -11.83 | Average |
| 2 | 0.155 | 48.89 | 0.06 | 9.53 | 58.48 | 65.74 | -7.26 | QP |
| 3 | 0.222 | 24.59 | 0.06 | 9.55 | 34.20 | 52.74 | -18.54 | Average |
| 4 | 0.222 | 34.43 | 0.06 | 9.55 | 44.04 | 62.74 | -18.70 | QP |
| 5 | 1.037 | 8.43 | 0.07 | 9.59 | 18.09 | 46.00 | -27.91 | Average |
| 6 | 1.037 | 18.27 | 0.07 | 9.59 | 27.93 | 56.00 | -28.07 | QP |
| 7 | 2.237 | 9.87 | 0.13 | 9.60 | 19.60 | 46.00 | -26.40 | Average |
| 8 | 2.237 | 16.53 | 0.13 | 9.60 | 26.26 | 56.00 | -29.74 | QP |
| 9 | 4.407 | 9.19 | 0.17 | 9.64 | 19.00 | 46.00 | -27.00 | Average |
| 10 | 4.407 | 19.97 | 0.17 | 9.64 | 29.78 | 56.00 | -26.22 | QP |
| 11 | 16.928 | 18.30 | 0.33 | 9.88 | 28.51 | 50.00 | -21.49 | Average |
| 12 | 16.928 | 31.11 | 0.33 | 9.88 | 41.32 | 60.00 | -18.68 | QP |
| | | | | | | | | |



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Atmospheric Pressure: 1005 mbar

7.2 20dB Bandwidth

| Test Requirement | 47 CFR Part 15, Subpart C 15.215 |
|------------------|----------------------------------|
| Test Method: | ANSI C63.10 (2013) Section 6.9 |
| | |

7.2.1 E.U.T. Operation

Operating Environment:

| Temperature: | 24.3 °C | Humidity: | 47.7 % RH |
|--------------|---------|-----------|-----------|
|--------------|---------|-----------|-----------|

7.2.2 Test Mode Description

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

7.2.3 Test Setup Diagram



Ground Reference Plane

7.2.4 Measurement Procedure and Data



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Test Mode: 00; 2474MHz



²⁴⁰⁸MHz





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2440MHz Analyzer - Occupied BV di la 08:02:20 PM May 17, 2022 Radio Std: None SENSE:INT Center Freq: 2.440000000 GHz Trig: Free Run Avg|Hold #Atten: 10 dB Frequency Center Freq 2.440000000 GHz Avg|Hold:>10/10 Radio Device: BTS #IEGain:Low Ref 10.00 dBm l0 dB/di Center Fred 2 44000000 GHz ጚኯጚ Center 2.44 GHz #Res BW 51 kHz Span 8 MHz Sweep 3.8 ms CF Step 800.000 kHz Man #VBW 200 kHz Auto Total Power -3.63 dBm **Occupied Bandwidth** 2.1492 MHz Freq Offset 0 Hz 31.834 kHz 99.00 % Transmit Freq Error **OBW Power** x dB Bandwidth 2.134 MHz x dB -20.00 dB



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7.3 Field Strength of the Fundamental Signal (15.249(a))

| Test Requirement | 47 CFR Part 15, Subpart C 15.249(a) |
|------------------|-------------------------------------|
| Test Method: | ANSI C63.10 (2013) Section 6.5&6.6 |
| Limit: | |

| Fundamental frequency (MHz) | Field strength of fundamental (millivolts/meter) | Field strength of harmonics (microvolts/meter) |
|--------------------------------|---|---|
| 902-928 | 50 | 500 |
| 2400-2483.5 | 50 | 500 |
| 5725-5875 | 50 | 500 |
| 24000-24250 | 250 | 2500 |

Remark: The frequencies above 1000MHz 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 fundamental frequency in "902-928MHz", the field strength of fundamental is based on Quasi-Peak.

7.3.1 E.U.T. Operation

| Operating Environ | iment: | | | | | |
|-------------------|---------|-----------|-----------|-----------------------|------|------|
| Temperature: | 25.0 °C | Humidity: | 69.0 % RH | Atmospheric Pressure: | 1005 | mbar |

7.3.2 Test Mode Description

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

7.3.3 Test Setup Diagram



检验检测专用章 Guanoz

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7.3.4 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 middle 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: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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| Frequency (MHz) | Level (dBuV/m) | Factor (dB) | Limit Line (dBuV/m) | Over limit (dB) | Remark |
|--------------------|----------------|-------------|------------------------|-----------------|--------|
| 2408.753 | 86.94 | None | 114.00 | -27.06 | PK |
| 2408.753 | 67.92 | -19.02 | 94.00 | -26.08 | AV |

Remark: AV level=PK level+Factor (dB)

Factor (dB)=20*log(Duty cycle)

Duty cycle= 0.112



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| Frequency (MHz) | Level (dBuV/m) | Factor (dB) | Limit Line (dBuV/m) | Over limit (dB) | Remark |
|--------------------|----------------|-------------|------------------------|-----------------|--------|
| 2408.753 | 92.48 | None | 114.00 | -21.52 | PK |
| 2408.753 | 73.46 | -19.02 | 94.00 | -20.54 | AV |

Remark: AV level=PK level+Factor (dB)

Factor (dB)=20*log(Duty cycle)

Duty cycle= 0.112



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| Frequency (MHz) | Level (dBuV/m) | Factor (dB) | Limit Line (dBuV/m) | Over limit (dB) | Remark |
|--------------------|----------------|-------------|------------------------|-----------------|--------|
| 2440.751 | 86.79 | None | 114.00 | -27.21 | PK |
| 2440.751 | 67.85 | -18.94 | 94.00 | -26.15 | AV |

Remark: AV level=PK level+Factor (dB)

Factor (dB)=20*log(Duty cycle)

Duty cycle= 0.113



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| Frequency (MHz) | Level (dBuV/m) | Factor (dB) | Limit Line (dBuV/m) | Over limit (dB) | Remark |
|--------------------|----------------|-------------|------------------------|-----------------|--------|
| 2440.751 | 91.06 | None | 114.00 | -22.94 | PK |
| 2440.751 | 72.12 | -18.94 | 94.00 | -21.88 | AV |

Remark: AV level=PK level+Factor (dB)

Factor (dB)=20*log(Duty cycle)

Duty cycle= 0.113



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| Frequency (MHz) | Level (dBuV/m) | Factor (dB) | Limit Line (dBuV/m) | Over limit (dB) | Remark |
|--------------------|----------------|-------------|------------------------|-----------------|--------|
| 2474.157 | 86.26 | None | 114.00 | -27.74 | PK |
| 2474.157 | 66.35 | -19.91 | 94.00 | -27.65 | AV |

Remark: AV level=PK level+Factor (dB)

Factor (dB)=20*log(Duty cycle)

Duty cycle= 0.101



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| Frequency (MHz) | Level (dBuV/m) | Factor (dB) | Limit Line (dBuV/m) | Over limit (dB) | Remark | | | |
|--------------------|----------------|-------------|------------------------|-----------------|--------|--|--|--|
| 2474.157 | 90.46 | None | 114.00 | -23.54 | PK | | | |
| 2474.157 | 70.55 | -19.91 | 94.00 | -23.45 | AV | | | |
| | | | | | | | | |

Remark: AV level=PK level+Factor (dB)

Factor (dB)=20*log(Duty cycle)

Duty cycle= 0.101



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7.4 Restricted Band Around Fundamental Frequency

| Test Requirement | 47 CFR Part 15, Subpart C 15.205 & 15.249(d) & 15.209 |
|------------------|---|
| Test Method: | ANSI C63.10 (2013) Section 6.10.5 |
| Limit: | |

| Frequency | Limit (dBuV/m @3m) | Remark |
|---------------|--------------------|------------------|
| 30MHz-88MHz | 40.0 | Quasi-peak Value |
| 88MHz-216MHz | 43.5 | Quasi-peak Value |
| 216MHz-960MHz | 46.0 | Quasi-peak Value |
| 960MHz-1GHz | 54.0 | Quasi-peak Value |
| Above 1GHz | 54.0 | Average Value |
| Above 1GHz | 74.0 | Peak Value |

Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

7.4.1 E.U.T. Operation

| Operating Environ | ment: | | | | | |
|-------------------|---------|-----------|-----------|-----------------------|------|------|
| Temperature: | 25.0 °C | Humidity: | 69.1 % RH | Atmospheric Pressure: | 1005 | mbar |

7.4.2 Test Mode Description

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

7.4.3 Test Setup Diagram





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7.4.4 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 middle 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: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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| | Freq | ReadA Level | ntenna Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase | Remark |
|------------------|--|----------------------------------|----------------------------------|------------------------------|----------------------------------|----------------------------------|----------------------------------|-------------------------------------|--|---------------------------------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 2 3 4 | 2382.596 2385.494 2385.494 2390.000 | 59.51 59.32 60.02 49.02 | 27.31 27.33 27.33 27.33 | 4.27 4.22 4.22 4.22 | 37.14 37.14 37.14 37.14 | 53.95 53.73 54.43 43.43 | 74.00 54.00 74.00 74.00 | -20.05 -0.27 -19.57 -30.57 | VERTICAL VERTICAL VERTICAL VERTICAL | Peak Average Peak Peak |



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| | Freq | Level | ntenna Factor | Loss | Factor | Level | Limit | Limit | Pol/Phase | Remark |
|--------|----------------------|----------------|------------------|------|----------------|----------------|----------------|------------------|--------------------------|--------------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 2382.596 | 58.63 | 27.31 | 4.27 | 37.14 | 53.07 | 54.00 | -0.93 | HORIZONTAL | Average |
| 3 | 2385.494 | 58.85 | 27.33 | 4.22 | 37.14 | 53.26 | 54.00 | -0.74 | HORIZONTAL | Average |
| 4 5 | 2385.494 2390.000 | 66.49 54.49 | 27.33 27.33 | 4.22 | 37.14 37.14 | 60.90 48.90 | 74.00 74.00 | -13.10 -25.10 | HORIZONTAL HORIZONTAL | Peak Peak |



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| 1 | 2483.500 | 55.13 | 27.48 | 3.42 | 37.13 | 48.90 | 74.00 | -25.10 | VERTICAL | Peak |
|---|----------|-------|-------|------|-------|-------|-------|--------|----------|---------|
| 2 | 2495.417 | 59.81 | 27.49 | 3.33 | 37.12 | 53.51 | 54.00 | -0.49 | VERTICAL | Average |
| 3 | 2495.417 | 61.36 | 27.49 | 3.33 | 37.12 | 55.06 | 74.00 | -18.94 | VERTICAL | Peak |



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3

2495.537 63.90 27.49

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3.33 37.12 57.60 74.00 -16.40 HORIZONTAL Peak

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7.5 Radiated Emissions Below 1GHz

| | Field strength (misrovalte/mater) | Magaurama |
|------------------|--------------------------------------|---------------|
| Limit: | | |
| Test Method: | ANSI C63.10 (2013) Section 6.4&6.5 | |
| Test Requirement | 47 CFR Part 15, Subpart C 15.209 & 1 | 5.249 (a),(d) |

| 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 |
| 960-1000 | 500 | 3 |

7.5.1 E.U.T. Operation

| Operating Environ | ment: | | | | | |
|-------------------|---------|-----------|-----------|-----------------------|------|------|
| Temperature: | 25.0 °C | Humidity: | 56.3 % RH | Atmospheric Pressure: | 1005 | mbar |

7.5.2 Test Mode Description

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

7.5.3 Test Setup Diagram





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7.5.4 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 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 guasi-peak 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. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

2. Scan from 9kHz to 30MHz, 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.

3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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Trace: (Discrete)

| Site | : | SGS |
|-----------|---|-----|
| Job | : | |
| Model | : | |
| Power | : | |
| Test Mode | : | |
| | | |

| | Freq | Read Level | Anterna Factor | Cable Loss | Preamp Factor | Measured Level | Limit Line | Over Limit | Pol/ Phase | Remark |
|---|---------|---------------|-------------------|---------------|------------------|-------------------|---------------|---------------|---------------|--------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 51.301 | 23.01 | 13.59 | 1.15 | 27.17 | 10.58 | 40.00 | -29.42 | HORIZONTAL | QP |
| 2 | 128.563 | 25.78 | 11.75 | 1.94 | 27.00 | 12.47 | 43.50 | -31.03 | HORIZONTAL | QP |
| 3 | 154.821 | 23.70 | 13.33 | 2.28 | 26.81 | 12.50 | 43.50 | -31.00 | HORIZONTAL | QP |
| 4 | 242.525 | 28.62 | 11.32 | 2.84 | 26.65 | 16.13 | 46.00 | -29.87 | HORIZONTAL | QP |
| 5 | 694.417 | 25.43 | 20.83 | 5.77 | 28.16 | 23.87 | 46.00 | -22.13 | HORIZONTAL | QP |
| 6 | 919.287 | 24.06 | 23.84 | 7.01 | 27.82 | 27.09 | 46.00 | -18.91 | HORIZONTAL | QP |



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

| Trace: (D | iscrete) |
|-----------|----------|
|-----------|----------|

| Site | : | SGS |
|-----------|---|-----|
| Job | : | |
| Model | : | |
| Power | : | |
| Test Mode | : | |
| | | |

| | Freq | Read Level | Anterna Factor | Cable Loss | Preamp Factor | Measured Level | Limit Line | Over Limit | Pol/ Phase | Remark |
|---|---------|---------------|-------------------|---------------|------------------|-------------------|---------------|---------------|---------------|--------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 36.254 | 23.76 | 12.66 | 1.07 | 27.18 | 10.31 | 40.00 | -29.69 | VERTICAL | QP |
| 2 | 49.533 | 24.52 | 13.61 | 1.14 | 27.17 | 12.10 | 40.00 | -27.90 | VERTICAL | QP |
| 3 | 150.538 | 22.99 | 13.34 | 2.24 | 26.83 | 11.74 | 43.50 | -31.76 | VERTICAL | QP |
| 4 | 307.831 | 24.72 | 13.41 | 3.23 | 26.59 | 14.77 | 46.00 | -31.23 | VERTICAL | QP |
| 5 | 423.540 | 30.45 | 16.05 | 4.04 | 27.44 | 23.10 | 46.00 | -22.90 | VERTICAL | QP |
| 6 | 839.182 | 24.10 | 22.42 | 6.46 | 27.97 | 25.01 | 46.00 | -20.99 | VERTICAL | QP |



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7.6 Radiated Emissions Above 1GHz

| Test Requirement | 47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d) | | | | | | | |
|---|---|-------------------------------|--|--|--|--|--|--|
| Test Method: ANSI C63.10 (2013) Section 6.6 | | | | | | | | |
| Limit: | | | | | | | | |
| Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (meters) | | | | | | |
| Above 1000 | 500 | 3 | | | | | | |

7.6.1 E.U.T. Operation

| Operating Enviror | nment: | | | | | |
|-------------------|---------|-----------|-----------|-----------------------|------|------|
| Temperature: | 21.8 °C | Humidity: | 55.9 % RH | Atmospheric Pressure: | 1005 | mbar |

7.6.2 Test Mode Description

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

7.6.3 Test Setup Diagram



Above 1GHz





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7.6.4 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 (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 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. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

2. Scan from 18GHz to 40GHz, 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. As shown in this section, 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.

4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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| Frequency (MHz) | Level (dBuV/m) | Factor (dB) | Limit Line (dBuV/m) | Over limit (dB) | Remark |
|--------------------|----------------|-------------|------------------------|-----------------|--------|
| 7224.000 | 55.85 | None | 74.00 | -18.15 | PK |
| 7224.000 | 36.83 | -19.02 | 54.00 | -17.17 | AV |
| | | | | | |

Remark: AV level=PK level+Factor (dB)

Factor (dB)=20*log(Duty cycle)

Duty cycle= 0.112



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| (MHz) | Level (dBuV/m) | Factor (dB) | (dBuV/m) | Over limit (dB) | Remark |
|----------|----------------|-------------|----------|-----------------|--------|
| 7224.000 | 54.75 | None | 74.00 | -19.25 | PK |
| 7224.000 | 35.73 | -19.02 | 54.00 | -18.27 | AV |
| | | | | | |

Remark: AV level=PK level+Factor (dB)

Factor (dB)=20*log(Duty cycle)

Duty cycle= 0.112



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Remark: AV level=PK level+Factor (dB)

Factor (dB)=20*log(Duty cycle)

Duty cycle= 0.113



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Remark: AV level=PK level+Factor (dB)

Factor (dB)=20*log(Duty cycle)

Duty cycle= 0.113



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Remark: AV level=PK level+Factor (dB)

Factor (dB)=20*log(Duty cycle)

Duty cycle= 0.101



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Remark: AV level=PK level+Factor (dB)

Factor (dB)=20*log(Duty cycle)

Duty cycle= 0.101



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Test Setup Photo 8

Refer to Appendix - Test Setup Photo for GZCR220500057001



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EUT Constructional Details (EUT Photos) 9

Refer to Appendix - External and Internal Photos for GZCR2205000570AT

- End of the Report -



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