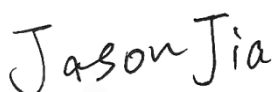


FCC RF Test Report


APPLICANT : Bullitt Group
EQUIPMENT : Mobile Phone
BRAND NAME : CAT
MODEL NAME : B35
FCC ID : ZL5B35EPA
STANDARD : 47 CFR Part 15 Subpart C §15.247
CLASSIFICATION : (DTS) Digital Transmission System

This is a data re-used report which is only valid together with the original test report. We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Kunshan) Inc., the test report shall not be reproduced except in full.



Reviewed by: Jason Jia / Supervisor



Approved by: James Huang / Manager



Sporton International (Kunshan) Inc.

No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China



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REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|--------------|---------|--|---------------|
| FR9D1021-02C | Rev. 01 | Initial issue of report | Feb. 28, 2020 |
| FR9D1021-02C | Rev. 02 | Add the test site information. Add the test setup photo. Revise the applicant information. | Mar. 02, 2020 |
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1 General Description

1.1 Applicant

Bullitt Group

One Valpy, Valpy Street, Reading, Berkshire, England RG1 1AR

1.2 Manufacturer

Bullitt Group

One Valpy, Valpy Street, Reading, Berkshire, England RG1 1AR

1.3 Product Feature of Equipment Under Test

| Product Feature | |
|---------------------------------|---|
| Equipment | Mobile Phone |
| Brand Name | CAT |
| Model Name | B35 |
| FCC ID | ZL5B35EPA |
| EUT supports Radios application | GSM/GPRS/EGPRS/WCDMA/HSPA/DC-HSDPA/ HSPA+(16QAM uplink is not supported)/LTE/GNSS WLAN 2.4GHz 802.11b/g/n HT20/HT40 Bluetooth BR/EDR/LE FM Receiver |
| HW Version | MP_NZ |
| SW Version | LTE_0208120.0_B35_53 |
| EUT Stage | Identical Prototype |

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification | |
|---|--|
| Tx/Rx Channel Frequency Range | 2412 MHz ~ 2462 MHz |
| Antenna Type / Gain | PIFA Antenna type with gain 0.50 dBi |
| Type of Modulation | 802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) |

1.5 Modification of EUT

No modifications are made to the EUT during all test items.



1.6 Testing Location

Sporton International (Kunshan) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

| | | | |
|---------------------------|--|----------------------------|---|
| Test Firm | Sporton International (Kunshan) Inc. | | |
| Test Site Location | No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958 | | |
| Test Site No. | Sporton Site No. | FCC Designation No. | FCC Test Firm Registration No. |
| | 03CH05-KS | CN1257 | 314309 |

1.7 Test Software

| Item | Site | Manufacture | Name | Version |
|------|-----------|-------------|------|---------------|
| 1. | 03CH05-KS | AUDIX | E3 | 6.2009-8-24al |

1.8 Re-use of Measured Data

1.6.1 Introduction Section

This application re-uses data collected on a similar device. The subject device of this application (Model: B35, FCC ID: ZL5B35EPA) is electrically identical to the reference device (Model: B35, FCC ID: ZL5B35E) for the portions of the circuitry corresponding to the data being re-used, as treated by KDB Publication 484596 D01.

1.6.2 Difference Section

For details concerning the similarity with respect to component placement, mechanical/electrical design etc., please refer to the Product Equality Declaration.

The re-used RF data includes the following bands provided in Appendix B (Sporton RF Report No. FR840307-04C for the reference device Model: B35, FCC ID: ZL5B35E).

1.6.3 Reference detail Section:

| Equipment Class | Reference FCC ID | Folder Test | Report Title/Section |
|-----------------|------------------|-----------------------|--|
| DSS (BR/EDR) | ZL5B35E | Part15C(FR840307-04A) | RSE retest due to the spot check data is 15.22dB worse than original, all the other test items are applicable. |
| DTS (BLE) | ZL5B35E | Part15C(FR840307-04B) | All sections applicable |
| DTS (WLAN) | ZL5B35E | Part15C(FR840307-04C) | All sections applicable |

1.6.4 Spot Check Verification Data Section

In order to confirm hardware similarity of the subject device with the reference device, spot check measurements were performed on the subject device for the following test items, the test result were consistent with FCC ID: ZL5B35E.

Assertions concerning the similarity of these devices are based on representations by the applicant. The applicant accepts full responsibility for the validity of the similarity claim, and for the determination that verification test data are sufficient to support it.

| Test Item | Mode | ZL5B35E Worst Result | ZL5B35EPA Worst Result | Difference (dB) |
|-------------------------------------|-------------|----------------------|------------------------|-----------------|
| Radiated Spurious Emission (dBuV/m) | BT (BR/EDR) | 43.57 | 58.79 | 15.22 |
| | BT (LE) | 39.1 | 43.49 | 4.39 |
| | 11b, 2.4GHz | 53.08 | 50.81 | -2.27 |



2 List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---------------------------|--------------|-------------------------|------------|----------------------|------------------|---------------|---------------|-----------------------|
| EMI Test Receiver | Keysight | N9038A | MY57290151 | 3Hz~8.5GHz;Max 30dBm | Jul. 18, 2019 | Feb. 14, 2020 | Jul. 17, 2020 | Radiation (03CH05-KS) |
| EXA Spectrum Analyzer | Keysight | N9010A | MY55150244 | 10Hz~44G,MAX 30dB | Apr. 16, 2019 | Feb. 14, 2020 | Apr. 15, 2020 | Radiation (03CH05-KS) |
| Loop Antenna | R&S | HFH2-Z2 | 100321 | 9kHz~30MHz | Nov. 10, 2019 | Feb. 14, 2020 | Nov. 09, 2020 | Radiation (03CH05-KS) |
| Bilog Antenna | TeseQ | CBL6111D | 49922 | 30MHz~1GHz | May 30, 2019 | Feb. 14, 2020 | May 29, 2020 | Radiation (03CH05-KS) |
| Double Ridge Horn Antenna | ETS-Lindgren | 3117 | 75959 | 1GHz~18GHz | Jan. 26, 2020 | Feb. 14, 2020 | Jan. 25, 2021 | Radiation (03CH05-KS) |
| SHF-EHF Horn | Com-power | AH-840 | 101070 | 18GHz~40GHz | Jan. 08, 2020 | Feb. 14, 2020 | Jan. 07, 2021 | Radiation (03CH05-KS) |
| Amplifier | SONOMA | 310N | 187289 | 9KHz~1GHz | Aug. 06, 2019 | Feb. 14, 2020 | Aug. 05, 2020 | Radiation (03CH05-KS) |
| Amplifier | MITEQ | TTA1840-35-HG | 2014749 | 18~40GHz | Jan. 14, 2020 | Feb. 14, 2020 | Jan. 13, 2021 | Radiation (03CH05-KS) |
| high gain Amplifier | MITEQ | AMF-7D-0010 1800-30-10P | 2025788 | 1Ghz~18Ghz | Aug. 17, 2019 | Feb. 14, 2020 | Aug. 16, 2020 | Radiation (03CH05-KS) |
| Amplifier | Keysight | 83017A | MY53270316 | 500MHz~26.5G Hz | Oct. 18, 2019 | Feb. 14, 2020 | Oct. 17, 2020 | Radiation (03CH05-KS) |
| AC Power Source | Chroma | 61601 | F104090004 | N/A | NCR | Feb. 14, 2020 | NCR | Radiation (03CH05-KS) |
| Turn Table | ChamPro | EM 1000-T | 060762-T | 0~360 degree | NCR | Feb. 14, 2020 | NCR | Radiation (03CH05-KS) |
| Antenna Mast | ChamPro | EM 1000-A | 060762-A | 1 m~4 m | NCR | Feb. 14, 2020 | NCR | Radiation (03CH05-KS) |

NCR: No Calibration Required



Appendix B. Reference Report

Please refer to Sporton report number FR840307-04C which is issued separately.