



SPOT CHECK EVALUATION

FCC ID : ZL5S62PRO
Equipment : Rugged Smart Phone
Brand Name : CAT
Model Name : S62 Pro
Applicant : Bullitt Group
One Valpy, Valpy Street, Reading,
Berkshire, England RG1 1AR
Standard : FCC Part 15 Subpart C §15.247
FCC Part 15 Subpart C §15.225
FCC Part 15 Subpart E §15.407

The product was received on Dec. 07, 2020 and testing was started from Dec. 14, 2020 and completed on Jan. 05, 2021. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, 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 spot check data report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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1. Introduction Section

FCC ID: ZL5S62PROE (original model) and FCC ID: ZL5S62PRO (variant model) are uses identical PCB layout and components of WLAN/BT/NFC, except cellular components population/depopulation change the supporting band, but the main chipsets remain the same. Based on their similarity, the FCC Part 15C (equipment class: DTS, DSS, DXX) and FCC Part 15E (equipment class: NII) reuse the original model's result and do spot-check, following the FCC KDB 484596 D01 v01.

The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID (FCC ID: ZL5S62PRO).



2. Difference Section

The difference between FCC ID: ZL5S62PROE (original) and FCC ID: ZL5S62PRO (variant) is variant FCC ID has some different SAW filter/Duplexer/RF switch depending on different band requirement.

The details of similarity and difference can be found in the Change list.



3. Spot Check Verification Data Section

Conducted power test and radiated spurious emission test against the variant model based on the worst-case condition from the original model was performed in this filing and the verification test results Similar to the original FCC ID. Detail spot check test result can be found in the variant model report, please refer to detail section table in section 4.

Summary of the spot check for other technology:

Test Item	Mode	ZL5S62PROE Worst Result	ZL5S62PRO Worst Result	Difference (dB)
Average Conducted Power (dBm)	BT-DH1	11.41	11.84	-0.43
	BLE5.0(2Mbps)	1.05	1.50	-0.45
	WLAN 2.4G	18.90	18.79	0.11
	WLAN 5G B1-3	17.30	17.10	0.2
	WLAN 5G B4	15.10	15.00	0.1
Radiated Spurious Emission (Band Edge) (dBuV/m)	BT	56.72	56.38	0.34
	BLE5.0(2Mbps)	49.46	49.07	0.39
	WLAN 2.4G	44.84	44.63	0.21
	WLAN 5G B1-3	48.64	44.77	3.87
	WLAN 5G B4	51.13	49.53	1.6
Radiated Spurious Emission (Harmonic) (dBuV/m)	BT	48.03	44.44	3.59
	BLE5.0(2Mbps)	40.74	38.73	2.01
	WLAN 2.4G	52.79	48.46	4.33
	WLAN 5G B1-3	52.86	53.29	-0.43
	WLAN 5G B4	52.88	53.82	-0.94
	NFC RSE (30MHz to1GHz)	38.21	36.76	1.45



Testing Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
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Test Site No.	Sporton Site No. TH05-HY, 03CH07-HY

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
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Test Site No.	Sporton Site No. 03CH16-HY

FCC Designation No.: TW1190 and TW0007



4. Reference detail Section

Rule Part	Equipment Class	Wireless Technology	Frequency Band (MHz)	Original FCC ID	Original Report	Variant FCC ID	Variant Report
15C	DSS	Bluetooth	2400~2483.5	ZL5S62PROE	Part 15C (FR042406-02A)	ZL5S62PRO	Part 15C (FR042406-07A)
	DTS	Bluetooth-LE Wi-Fi	2400~2483.5	ZL5S62PROE	Part 15C (FR042406-02B, FR042406-02C)	ZL5S62PRO	Part 15C (FR042406-07B, FR042406-07C)
	DXX	NFC	13.56	ZL5S62PROE	Part 15C (FR042406-02D)	ZL5S62PRO	Part 15C (FR042406-07D)
15E	NII	Wi-Fi	5150~5250 5250~5350 5470~5725 5725~5850	ZL5S62PROE	Part 15E (FR042406-02E)	ZL5S62PRO	Part 15E (FR042406-07E)
		DFS	5250~5350 5470~5725	ZL5S62PROE	Part 15E (FR042406-02F)	ZL5S62PRO	Part 15E (FR042406-07F)

END of this report