



SPOT CHECK EVALUATION

FCC ID : PY7-77310Z
Equipment : GSM/WCDMA/LTE Phone with BT, DTS/UNII
a/b/g/n/ac/ax, GPS, and NFC
Brand Name : Sony
Applicant : Sony Mobile Communications Inc.
4-12-3 Higashi-Shinagawa, Shinagawa-ku,
Tokyo, 140-0002, Japan
Manufacturer : Sony Mobile Communications Inc.
4-12-3 Higashi-Shinagawa, Shinagawa-ku,
Tokyo, 140-0002, Japan
Standard : FCC Part 15 Subpart C §15.247
FCC Part 15 Subpart E §15.407

The product was received on Jul. 07, 2020 and testing was started from Jul. 25, 2020 and completed on Aug. 14, 2020. 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

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History of this test report

Version	Description	Issued Date
01	Initial issue of report	Aug. 25, 2020



1. Introduction Section

Sony Mobile Communications Inc., hereby declares that the WLAN, Bluetooth and NFC hardware of PY7-77310Z (this model) are HW identical to PY7-08372L (lead). In addition, PY7-77310Z (this model) digital circuit is identical to PY7-08372L (lead). Therefore the following report of PY7-08372L (lead) may be used as reference test data for PY7-77310Z (this model), along with the spot check verification data following the FCC KDB 484596 D01 v01.

- WLAN
- Bluetooth



2. Difference Section

Difference between PY7-08372L (lead) and PY7-77310Z (this model):

Sony Mobile Communications Inc., hereby declares the difference between PY7-08372L (lead) and PY7-77310Z (this model) are related only to the cellular and NFC part. Therefore the WLAN/Bluetooth report/data of PY7-08372L (lead) may represent for PY7-77310Z (this model).



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:

Test Item	Mode	PY7-08372L Worst Result	PY7-77310Z Worst Result	Difference (dB)
Average Conducted Power (dBm)	BT	14.91	14.43	0.48
	BLE	10.1	8.9	1.2
	WLAN 2.4G(MIMO)	18.43	18.32	0.11
	WLAN 5G B1-3(MIMO)	14.46	14.36	0.1
	WLAN 5G B4 (MIMO)	14.46	14.31	0.15
WLAN				
Radiated Spurious Emission (Band Edge) (dBuV/m)	BT	62.96	61.09	1.87
	BLE	40.42	40.51	-0.09
	WLAN 2.4G(MIMO)	42.33	43.33	-1
	WLAN 5G B1-3(MIMO)	41.19	43.25	-2.06
	WLAN 5G B4 (MIMO)	54.51	54.81	-0.3
Radiated Spurious Emission (Harmonic) (dBuV/m)	BT	48.05	45.09	2.96
	BLE	43.56	44.01	-0.45
	WLAN 2.4G(MIMO)	45.13	45.36	-0.23
	WLAN 5G B1-3(MIMO)	48.12	48.05	0.07
	WLAN 5G B4 (MIMO)	51.69	50.99	0.7



4. Reference detail Section

Rule Part	Equipment Class	Wireless Technology	Frequency Band (MHz)	Original FCC ID	Original Report	Variant Model FCC ID	Variant Model Report
15C	DTS	Bluetooth – LE Wii-Fi	2400~2483.5	PY7-08372L	Part 15C (FR042242-02B, FR042242-02C)	PY7-77310Z	Part 15C (FR042237-02B, FR042237-02C)
	DSS	Bluetooth	2400~2483.5	PY7-08372L	Part 15C (FR042242-02A)	PY7-77310Z	Part 15C (FR042237-02A)
15E	NII	Wi-Fi	5150~5250 5250~5350 5470~5725 5725~5850	PY7-08372L	Part 15E (FR042242-02E, FR042242-02F)	PY7-77310Z	Part 15E (FR042237-02E, FR042237-02F)

END of this report