



SPOT CHECK EVALUATION

FCC ID : PY7-86211X
Equipment : GSM/WCDMA/LTE Phone with BT, DTS/UNII
a/b/g/n/ac, 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 : 47 CFR Part 2, 22(H), 24(E), 27(L),96
FCC Part 15 Subpart C §15.209
FCC Part 15 Subpart C §15.225
FCC Part 15 Subpart C §15.247
FCC Part 15 Subpart E §15.407

The product was received on Feb. 23, 2021 and testing was started from Mar. 22, 2021 and completed on Apr. 19, 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 given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this partial 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.

Approved by: Cona Huang

Approved by: Louis Wu



Sporton International Inc. EMC & Wireless Communications Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan



TABLE OF CONTENTS

History of this test report.....	3
1. Introduction Section	4
2. Difference Section	5
3. Reference detail Section	6



History of this test report

Version	Description	Issued Date
01	Initial issue of report	Apr. 26, 2021
02	Update section 3	May. 07, 2021



1. Introduction Section

Sony Mobile Communications Inc., hereby declares that PY7-07452G(lead model) and PY7-86211X(this device) are HW identical. The difference between PY7-07452G(lead model) and PY7-86211X(this device) is described in the Appendix.D of “theory of operation”.



2. Difference Section

Difference between PY7-07452G (lead) and PY7-86211X (this model):

Sony Mobile Communications Inc., hereby declares the difference between PY7-07452G(lead model) and PY7-86211X(this device) are “the power of cellular LTE B2/4/25/41/66. The cellular Band of LTE B48/71 and 5G NR n2/5/41/66/71 and LTE B5/13/26 Antenna Switch Diversity are increased by SW and hence a new FCC ID is required, and data re-use strategy is used for PY7-86211X(this device).



3. Reference detail Section

Rule Part	Equipment Class	Test Report No.	Model tested	Justification
22/24/27/96	PCE -2G/3G	FG0D2212A	PY7-07452G(lead)	1
	PCE – LTE except B5/12/13/17/26	FG0D2212B	PY7-07452G(lead)	1
	PCE–LTE B2/4/7/25/41/66/71 and B5/13/26 Antenna Switch Diversity 5G NR n2/5/41/66/71	FG0D2213	PY7-86211X(this device)	2
	CBE-LTE B48	FG0D2213C FG0D2213D	PY7-86211X(this device)	4
15E	NII	FR0D2212E FR0D2212F	PY7-07452G(lead)	1
	NII - DFS	FZ0D2213	PY7-86211X(this device)	4
15C	DTS	FR0D2212B FR0D2212C	PY7-07452G(lead)	1
	DSS	FR0D2212A	PY7-07452G(lead)	1
	DXX	FR0D2212D	PY7-07452G(lead)	1
	DCD	FR0D2212H	PY7-07452G(lead)	1
2.1093	Output power/SAR -2G3G LTE except GSM850/1900, WCDMA II/IV/V, LTE B5/12/13/17/26, B7(Head) and B41(Hotspot/Body-worn)	FA0D2212A	PY7-07452G(lead)	3
	Output power/SAR – LTE B2/4/5/7(Hotspot/Bo	FA0D2213A	PY7-86211X(this device)	



	dy-worn)/13/25/26/4 1(head)/48/66/71, 5G FR1 n2/5/41/66/71			
	Output power/SAR – DSS		PY7-07452G(lead)	
	Output power – DTS/NII		PY7-07452G(lead)	
	SAR– DTS/NII		PY7-86211X(this device)	
20.19	HAC		PY7-86211X(this device)	4
15B	CXX/JBP	FC0D2213	PY7-86211X(this device)	4
Co-location 15C/15E	DTS/NII	FR0D2212G	PY7-07452G(lead)	1
Co-location 22/27	PCE(GSM,LTE)	FG0D2212E FG0D2212D	PY7-07452G(lead)	1

Note:

1: The only difference between PY7-07452G(lead model) and PY7-86211X(this device) are increase output power in LTE B2/4/25/41/66.

The cellular Band of LTE B48/71and 5G NR n2/5/41/66/71 and LTE B5/13/26 Antenna Switch Diversity are increased by SW. Tests performed on PY7-07452G(lead model) for except them fully cover PY7-86211X(this device) and therefore the test report for PY7-07452G(lead model) is submitted.

2: Operation in these bands is not covered by the reports for PY7-07452G(lead model) because either the band was operated at a lower output power than PY7-86211X(this device). Testing was therefore performed on PY7-86211X(this device).

3:Test report uses data for PY7-07452G(lead model) for operations that are common to both PY7-07452G(lead model) and PY7-86211X(this device) and data for PY7-86211X(this device) for the operations unique to that device.

4: Full testing for this equipment code performed on PY7-86211X(this device).

END of this report