



# SPOT CHECK EVALUATION

**FCC ID** : PY7-16813Y  
**Equipment** : GSM/WCDMA/LTE/5G Phone with BT, DTS/UNII  
a/b/g/n/ac/ax, GPS, WPC and NFC  
**Brand Name** : Sony  
**Applicant** : Sony Corporation  
1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan  
**Manufacturer** : Sony Corporation  
1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan  
**Standard** : 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  
47 CFR Part 2, 22(H), 24(E), 27(L)

The product was received on Mar. 08, 2021 and testing was started from Mar. 15, 2021 and completed on Apr. 20, 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 333, Taiwan (R.O.C.)



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## History of this test report

Version	Description	Issued Date
01	Initial issue of report	Apr. 09, 2021
02	Revise company name in section 1 and 2	Apr. 11, 2021
03	Revise information in section 1 and 2	Apr. 12, 2021
04	Revise information in section 1, 2, 3, and 4 Revise summary of the spot check in section 3 Add information in section 4	Apr. 15, 2021
05	Revise information in section 1, 2, 3, and 4 Revise summary of the spot check in section 3 Add information in section 4	Apr. 20, 2021
06	Revise summary of the spot check in section 3	Apr. 21, 2021



## 1. Introduction Section

Sony Corporation., hereby declares ,the FCC ID: PY7-26726G (original model) and FCC ID: PY7-16813Y (variant model) are HW identical except cellular band and wwan antenna.

Based on their similarity, the FCC Part 15C (equipment class: DTS, DSS, DXX, DCD) and FCC Part 15E (equipment class: NII) test data are reused from the original model. And for FCC Part 22, Part 24, Part 27 (equipment class: PCE), radiated test was done against the variant model with the reuse of RF conducted tests data from the original model. Spot check verification for data reuse has been followed per KDB 484596 D01v01.



## **2. Difference Section**

Difference between PY7-26726G (lead) and PY7-16813Y (this model):

Sony Corporation, hereby declares the difference between PY7-26726G (lead) and PY7-16813Y (this model) are related only to the cellular. Therefore the WLAN/Bluetooth /NFC/WWAN(Conducted) /WPT report/data of PY7-26726G (lead) may represent for PY7-16813Y (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	PY7-26726G Worst Result	PY7-16813Y Worst Result	Difference (dB)
Average Conducted Power (dBm)	BT	13.5	13.75	-0.25
	BLE	9.00	9.00	0
	WLAN 2.4G(MIMO)	18.96	18.93	0.03
	WLAN 5G B1-3(MIMO)	14.91	14.96	-0.05
	WLAN 5G B4 (MIMO)	14.91	14.91	0
	WWAN GSM/EDGE 850	32.56	32.44	0.12
	WWAN GSM/EDGE 1900	27.64	27.58	0.06
	WWAN WCDMA Band 5	24.32	24.23	0.09
	WWAN LTE Band 4	20.4	20.33	0.07
	WWAN LTE Band 5	24.31	24.31	0
	WWAN LTE Band 7	20.59	20.55	0.04
	WWAN LTE Band 13	24.42	24.37	0.05
	WWAN LTE Band 41	19.80	19.78	0.02
Radiated Spurious Emission (Band Edge) (dBuV/m)	BT	44.77	44.95	-0.18
	BLE	44.8	44.66	0.14
	WLAN 2.4G(MIMO)	47.51	45.59	1.92
	WLAN 5G B1-3(MIMO)	64.67	63.36	1.31
	WLAN 5G B4 (MIMO)	56.83	55.63	1.2
Radiated Spurious Emission (Harmonic) (dBuV/m)	BT	47.8	47.09	0.71
	BLE	45.7	45.91	-0.21
	WLAN 2.4G(MIMO)	45.09	45.01	0.08
	WLAN 5G B1-3(MIMO)	50.88	45.75	5.13
	WLAN 5G B4 (MIMO)	51.82	51.97	-0.15
	NFC	36.64	34.20	2.44
	WPT	33.13	32.72	0.41
Radiated fundamental (dBuV/m)	NFC	20.69	20.38	0.31
	WPT	-14.47	-17.54	3.07



## 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	PY7-26726G	Part 15C (FR0D2215B, FR0D2215C)	PY7-16813Y	Part 15C (FR0D2217B, FR0D2217C)
	DSS	Bluetooth	2400~2483.5	PY7-26726G	Part 15C (FR0D2215A)	PY7-16813Y	Part 15C (FR0D2217A)
	DXX	NFC	13.56	PY7-26726G	Part 15C (FR0D2215D)	PY7-16813Y	Part 15C (FR0D2217D)
	DCD	WPT	0.14	PY7-26726G	Part 15C (FR0D2215H)	PY7-16813Y	Part 15C (FR0D2217H)
15E	NII	Wi-Fi	5150~5250 5250~5350 5470~5725 5725~5850	PY7-26726G	Part 15E (FR0D2215E, FR0D2215F )	PY7-16813Y	Part 15E (FR0D2217E, FR0D2217F )
Part 22.24.27	PCE	GSM /WCDMA	GSM 850/1900 WCDMA B5	PY7-26726G	Part 22.24.27 (FG0D2215A )	PY7-16813Y	Part 22.24.27 (FG0D2217A )
		LTE	LTE B4/5/7/13/41	PY7-26726G	Part 22.24.27 (FG0D2215B )	PY7-16813Y	Part 22.24.27 (FG0D2217B )

Note 1: For DFS and Co-location test mode is Full test

Note 2: Part 22, 24, 27 (equipment class: PCE) for common bands radiated spurious emission test are fully performed against the variant, all rest data are reused from the original model with RF conducted power verification test on the variant.”

END of this report