Appendix E. Spot Check Evaluation

1. Introduction Section

The original model (FCC ID: PY7-84773W) and the variant model (FCC ID: PY7-40069V) has identical PCB layout, antenna, SW implementation for Bluetooth/Wi-Fi/NFC/GPS. Based on their similarity, the FCC SAR (equipment class: DTS, DSS, NII) test data of PY7-40069V references the test data of PY7-84773W

The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID (FCC ID: PY7-40069V).

2. Difference Section

The original model (FCC ID: PY7-84773W) and the variant model (FCC ID: PY7-40069V) has identical PCB layout, antenna, SW implementation for Bluetooth/Wi-Fi/NFC/GPS. The details of similarity and difference can be found in the Operating Description.

Cellular transmitter RF components are different in PY7-40069V, to support capability for different cellular bands.

The product specification is outlined in the following table:

FCC ID			PY7-84773W	PY7-40069V
Wireless Tech	**Mode**		**Frequency (MHz)**	
GSM	GSM Voice GPRS (GMSK) EDGE (8PSK)	Multi-Slot Class 12 DTM: No	850/1900	850/1900
UMTS	AMR/RCM12.2Kbps HSDPA/HSUPA/DC-HSDPA		B5/B2	B5/B2
LTE (FDD)	QPSK 16QAM		B5/B2/B7	B5/B2/B41
Wi-Fi	11b/11g/11n(HT20)		2412-2462	
	11a/11n(HT20)/11n(HT40)		5180-5240 5260-5320 5500-5720 5745-5825 *5600-5650 notched	
Bluetooth	V4.2 LE		2402-2480 MHz	
NFC	ASK		13.56 MHz	

3. Spot Check Verification Data Section

<Head SAR>

Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Original Model (FCC ID : PY7-84773W)					Spot Check Model (FCC ID: PY7-40069V)					Deviation
						Average Power (dBm)	Tune-Up Limit (dBm)	Duty Cycle %	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Average Power (dBm)	Tune-Up Limit (dBm)	Duty Cycle %	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	1	2412	16.36	16.50	100.00	1.24	1.281	16.35	16.50	100.00	1.170	1.211	-5.5%
WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	52	5260	14.90	15.00	96.53	1.12	1.186	14.89	15.00	96.53	0.906	0.963	-18.8%
WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	132	5660	14.85	15.00	96.53	0.771	0.827	14.85	15.00	96.53	0.790	0.847	2.4%
WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	149	5745	14.96	15.00	96.53	0.705	0.737	14.68	15.00	96.53	0.712	0.794	7.7%

<Hotspot SAR>

Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Original Model (FCC ID : PY7-84773W)					Spot Check Model (FCC ID: PY7-40069V)					Deviation
						Average Power (dBm)	Tune-Up Limit (dBm)	Duty Cycle %	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Average Power (dBm)	Tune-Up Limit (dBm)	Duty Cycle %	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	1	2412	16.36	16.50	100.00	0.394	0.407	16.35	16.50	100.00	0.335	0.347	-14.7%

<Body-Worn SAR>

Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Original Model (FCC ID : PY7-84773W)					Spot Check Model (FCC ID: PY7-40069V)					Deviation
						Average Power (dBm)	Tune-Up Limit (dBm)	Duty Cycle %	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Average Power (dBm)	Tune-Up Limit (dBm)	Duty Cycle %	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
WLAN2.4GHz	802.11b 1Mbps	Front	15mm	1	2412	16.36	16.50	100.00	0.178	0.184	16.35	16.50	100.00	0.157	0.163	-11.4%
WLAN5GHz	802.11a 6Mbps	Front	15mm	52	5260	14.90	15.00	96.53	0.118	0.125	14.89	15.00	96.53	0.097	0.103	-17.6%
WLAN5GHz	802.11a 6Mbps	Back	15mm	100	5500	14.95	15.00	96.53	0.269	0.282	14.78	15.00	96.53	0.230	0.251	-11.0%
WLAN5GHz	802.11a 6Mbps	Back	15mm	149	5745	14.96	15.00	96.53	0.138	0.144	14.68	15.00	96.53	0.147	0.164	13.9%

Note: The spot check verification shows the WLAN SAR performance of PY7-84773W represents the performance of PY7-40069V

4. Reference detail Section

Rule Part	Frequency Band (MHz)	Wireless Technology	Reference FCC ID	Reference Report Title	Reference Report No.	Reference Report Sections
15C	2400~2483.5	Bluetooth	PY7-84773W	FCC SAR Test Report	FA692208-01	Sections related to Bluetooth test data
15C	2400~2483.5	Wi-Fi	PY7-84773W	FCC SAR Test Report	FA692208-01	Sections related to WiFi test data
15E	5150~5250 5250~5350 5470~5725 5725~5850	Wi-Fi	PY7-84773W	FCC SAR Test Report	FA692208-01	Sections related to WiFi test data