



Appendix E. Spot Check Evaluation

1. Introduction Section

The original model (FCC ID: PY7-84773W) and the variant model (FCC ID: PY7-98591H) 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 PY7-98591H 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: PY7-98591H).

2. Difference Section

The original model (FCC ID: PY7-84773W) and the variant model (FCC ID: PY7-98591H) 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 PY7-98591H, to support capability for different cellular bands.

The product specification is outlined in the following table:

FCC ID			PY7-84773W	PY7-98591H
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/B4/B2
LTE (FDD)	QPSK 16QAM		B5/B2/B7	B12/B17/B13/B5/B4/B2/ B7/B66
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: PY7-98591H)					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	16.49	16.50	100.00	1.240	1.243	-3.0%
WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	52	5260	14.90	15.00	96.53	1.12	1.186	14.83	15.00	96.53	1.010	1.088	-8.3%
WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	132	5660	14.85	15.00	96.53	0.771	0.827	14.84	15.00	96.53	0.625	0.672	-18.7%
WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	149	5745	14.96	15.00	96.53	0.705	0.737	14.82	15.00	96.53	0.574	0.620	-15.9%

<Hotspot SAR>

Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Original Model (FCC ID : PY7-84773W)					Spot Check Model (FCC ID: PY7-98591H)					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	16.49	16.50	100.00	0.355	0.356	-12.5%

<Body-Worn SAR>

Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Original Model (FCC ID : PY7-84773W)					Spot Check Model (FCC ID: PY7-98591H)					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	16.49	16.50	100.00	0.155	0.155	-15.8%
WLAN5GHz	802.11a 6Mbps	Front	15mm	52	5260	14.90	15.00	96.53	0.118	0.125	14.83	15.00	96.53	0.112	0.121	-3.2%
WLAN5GHz	802.11a 6Mbps	Back	15mm	100	5500	14.95	15.00	96.53	0.269	0.282	14.87	15.00	96.53	0.222	0.237	-16.0%
WLAN5GHz	802.11a 6Mbps	Back	15mm	149	5745	14.96	15.00	96.53	0.138	0.144	14.82	15.00	96.53	0.126	0.136	-5.6%

Note: The spot check verification shows the WLAN SAR performance of PY7-84773W represents the performance of PY7-98591H

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