



Appendix E. Spot Check Evaluation

1. Introduction Section

The original model (FCC ID: PY7-08618V) and the variant model (FCC ID: PY7-10720X) 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 PY7-10720X references the test data of PY7-08618V

The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID (FCC ID: PY7-10720X).

2. Difference Section

The original model (FCC ID: PY7-08618V) and the variant model (FCC ID: PY7-10720X) 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 PY7-10720X, to support capability for different cellular bands.

The product specification is outlined in the following table:

FCC ID			PY7-08618V	PY7-10720X
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/B5/B4/B2/B7
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: PY7-08618V)					Spot Check Model (FCC ID: PY7-10720X)					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	6	2437	16.78	17.00	100	1.070	1.126	16.75	17.00	100	1.130	1.197	6.3%
WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	52	5260	13.86	14.00	97.2	0.532	0.565	13.80	14.00	97.2	0.469	0.505	-10.6%
WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	144	5720	13.92	14.00	97.2	0.615	0.645	13.92	14.00	97.2	0.689	0.722	11.9%
WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	165	5825	13.82	14.00	97.2	0.802	0.860	13.60	14.00	97.2	0.847	0.956	11.2%

<Hotspot SAR>

Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Original Model (FCC ID: PY7-08618V)					Spot Check Model (FCC ID: PY7-10720X)					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	Back	10mm	6	2437	16.78	17.00	100	0.238	0.250	16.75	17.00	100	0.196	0.208	-16.8%
WLAN5GHz	802.11a 6Mbps	Right Side	10mm	44	5220	13.79	14.00	97.2	0.324	0.350	13.72	14.00	97.2	0.342	0.375	7.1%
WLAN5GHz	802.11a 6Mbps	Right Side	10mm	149	5745	13.76	14.00	97.2	0.436	0.474	13.55	14.00	97.2	0.476	0.543	14.6%

<Product Specific SAR>

Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Original Model (FCC ID: PY7-08618V)					Spot Check Model (FCC ID: PY7-10720X)					Deviation
						Average Power (dBm)	Tune-Up Limit (dBm)	Duty Cycle %	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Average Power (dBm)	Tune-Up Limit (dBm)	Duty Cycle %	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	
WLAN5GHz	802.11a 6Mbps	Back	0mm	52	5260	13.86	14.00	97.2	0.577	0.613	13.80	14.00	97.2	0.548	0.590	-3.8%
WLAN5GHz	802.11a 6Mbps	Back	0mm	144	5720	13.92	14.00	97.2	0.643	0.674	13.92	14.00	97.2	0.556	0.583	-13.5%

<Body-Worn SAR>

Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Original Model (FCC ID: PY7-08618V)					Spot Check Model (FCC ID: PY7-10720X)					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	Back	15mm	11	2462	16.27	17.00	100	0.091	0.108	16.20	17.00	100	0.078	0.094	-13.0%
WLAN5GHz	802.11a 6Mbps	Back	15mm	52	5260	13.86	14.00	97.2	0.221	0.235	13.80	14.00	97.2	0.183	0.197	-16.2%
WLAN5GHz	802.11a 6Mbps	Back	15mm	144	5720	13.92	14.00	97.2	0.132	0.138	13.92	14.00	97.2	0.116	0.122	-11.6%
WLAN5GHz	802.11a 6Mbps	Back	15mm	149	5745	13.76	14.00	97.2	0.136	0.148	13.55	14.00	97.2	0.112	0.128	-13.5%

Note: The spot check verification shows the WLAN SAR performance of PY7-08618V represents the performance of PY7-10720X.

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	PY7-08618V	FCC SAR Test Report	FA6D2925	Sections related to Bluetooth test data
15C	2400~2483.5	Wi-Fi	PY7-08618V	FCC SAR Test Report	FA6D2925	Sections related to WiFi test data
15E	5150~5250 5250~5350 5470~5725 5725~5850	Wi-Fi	PY7-08618V	FCC SAR Test Report	FA6D2925	Sections related to WiFi test data