

# Spot Check Verification



1. Customer

- Name (FCC) : Point Mobile Co., LTD. / Name (IC) : POINTMOBILE CO.,LTD
- Address (FCC) : B-9F, Kabul Great Valley 32 Digital-ro 9-gil, Geumcheon-gu Seoul South Korea 153-709  
Address (IC) : B-9F Kabul Great Valley, 32, Digital-ro 9-gil, Geumcheon-gu Seoul Korea (Republic Of)

2. Product Name / Model Name : Mobile Computer / PM90W1

FCC ID : V2X-PM90W1 / IC : 10664A-PM90W1

3. Date of Test : 2019.08.12 ~ 2019.08.13

Affirmation	Tested by	Reviewed by
	Name : Jaejin Lee 	Name : Geunki Son 

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## 1. Introduction

### 1.1 Reference EUT Description

Reference FCC ID: V2X-PM90W / Reference IC: 10664A-PM90W

Equipment Class	FCC Part/ RSS std.	Technology	Band	Note
DSS	Part 15.247/ RSS-247	Bluetooth	2402 ~ 2480 MHz	Reuse
DTS	Part 15.247/ RSS-247	BLE	2402 ~ 2480 MHz	Reuse
DTS	Part 15.247/ RSS-247	WLAN	2412 ~ 2462 MHz	Reuse
NII	Part 15.407/ RSS-247	WLAN	5180 ~ 5240 MHz, 5260 ~ 5320 MHz, 5500 ~ 5720 MHz, 5745 ~ 5825 MHz	Reuse
DXX	Part 15.225/ RSS-210	NFC	13.56 MHz	NA

The applicant takes full responsibility that the test data as referenced in section 4 represents compliance for FCC ID: V2X-PM90W1 / IC: 10664A-PM90W1.

## 2. Explain the Differences

FCC ID: V2X-PM90W1 / IC: 10664A-PM90W1 is same the internal printed circuit board with FCC ID: V2X-PM90W / IC: 10664A-PM90W. The difference between the two product is that the NFC chipset is changed and the MSR(non transmitter) portion is removed.

## 3. Spot Check Verification Data

Equipment Class	FCC Part/ RSS std.	Technology	Mode	Tx Freq. (MHz)	Test item	Detector Mode	Reference FCC ID: V2X-PM90W		Separated FCC ID: V2X-PM90W1		Limit (dBuV/m)	Deviation (dB)
							Frequency (MHz)	Result (dBuV/m)	Frequency (MHz)	Result (dBuV/m)		
DSS	Part 15.247/ RSS-247	Bluetooth	3Mbps	2480	Radiated Band edge	Peak	2484.53	54.87	2484.97	54.53	74.00	-0.34
			2Mbps	2480	Radiated Spurious emission	Peak	4959.88	53.14	4959.90	51.99	74.00	-1.15
DTS	Part 15.247/ RSS-247	BLE	2Mbps	2402	Radiated Band edge	Average	2389.35	46.19	2389.28	44.55	54.00	-1.64
			2Mbps	2440	Radiated Spurious emission	Average	4879.79	42.80	4880.20	40.87	54.00	-1.93
		WLAN	802.11ac (VHT40)	2422	Radiated Band edge	Average	2389.44	51.00	2389.74	49.71	54.00	-1.29
			802.11b	2437	Radiated Spurious emission	Average	4873.92	47.03	4874.13	44.56	54.00	-2.47
NII	Part 15.407/ RSS-247	WLAN	802.11a	5180	Radiated Band edge	Average	5149.79	51.50	5149.58	50.39	54.00	-1.11
			802.11a	5200	Radiated Spurious emission	Peak	10400.41	57.85	10400.32	57.18	68.20	-0.67
			802.11ac (VHT80)	5290	Radiated Band edge	Average	5354.27	51.03	5355.37	50.31	54.00	-0.72
			802.11ac (VHT20)	5300	Radiated Spurious emission	Average	10600.04	44.79	10600.24	44.38	54.00	-0.41
			802.11ac (VHT40)	5510	Radiated Band edge	Peak	5467.80	65.74	5469.78	65.69	68.20	-0.05
			802.11ac (VHT80)	5530	Radiated Spurious emission	Average	11060.35	46.98	11060.44	46.42	54.00	-0.56
			802.11ac (VHT80)	5775	Radiated Band edge	Peak	5870.50	64.84	5868.76	66.78	68.20	1.94
802.11ac (VHT80)	5775	Radiated Spurious emission	Average	11549.78	47.55	11550.28	47.69	54.00	0.14			

Note1: The spot check were performed based on worst-case results reported in the original FCC/IC report.

The spot check test results compared to the reference data show a good correlation. It also complies with the FCC/IC limit.

## 4. Reference Section

Reference FCC ID: V2X-PM90W / Reference IC: 10664A-PM90W

Equipment Class	FCC Part/ RSS std.	Technology	Band(MHz)	Exhibit type	Report title	Reference Sections
DSS	Part 15.247/ RSS-247	Bluetooth	2402 ~ 2480	Original Grant	DSS	All
DTS	Part 15.247/ RSS-247	BLE	2402 ~ 2480	Original Grant	DTS-LE	All
DTS	Part 15.247/ RSS-247	WLAN	2412 ~ 2462	Original Grant	DTS_WLAN	All
NII	Part 15.407/ RSS-247	WLAN	5180 ~ 5240 5260 ~ 5320 5500 ~ 5720 5745 ~ 5825	Original Grant	UNII-WLAN, DFS	All
DXX	Part 15.247/ RSS-210	NFC	13.56	NA	NA	NA