TEST REPORT

Report number: DRTTEC1705-0060(1)

Issue Date: Jun. 5, 2017

Applicant	:	**POINTMOBILE CO.,LTD** B-9F Kabul Great Valley, 32, Digital-ro 9-gil, Geumcheon-gu, Seoul, Korea, 08512
Equipment under test	:	MOBILE COMPUTER
Model Name	:	PM80
Added Model Name	:	N/A
Serial Number	:	Identical prototype
Test Method	:	The Ministry of Internal Affairs and Communications notification in Annex 43* of Article 88 *Annex 43 is the statement in the case of 2.4GHz WLAN
Date of Test	:	2017-03-28 ~ 2017-04-14
Test Place	:	**DT&C Co., Ltd.** 42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 449-935
Test Results	:	PASS (Refer to attachment)

The results in this reports are applicable only to the samples tested.
This report shall not be re-produced except in full without the written approval of DT&C Co., Ltd.

Test Engineer; ChulMin Kim

Approval Person; GeunKi Son

1. Test Result

Environment of Test Room	Test Date	2017-03-28 ~ 2017-04-14
	Temperature	20 ~ 23 ℃
	Humidity	50 ~ 54 %

Peak Antenna Gain	-0.37	dBi
Declaration Output Power	2	mW/MHz
Declaration Output Power	3.0103	dBm/MHz
E.I.R.P.	**2.6403**	**dBm/MHz**
Input Power Voltage	3.8	VDC

Tested Circit Insertion Loss		0	dB
Frequency equal to the Transmission rate		1.375	MHz
Transmission Time	ON TIME	Not Applicable	ms
	OFF TIME	Not Applicable	ms
	Ratio	Not Applicable	%
Packet Type (Mode)		Not Applicable	mode
Transmit Speed		Not Applicable	MHz

Test Category； Radio Equipment of Specified Low-Power Radio Station for IEEE802.11n20/1-13ch

The reason why the tests are performed only at rated voltage:
When the input voltage to receiver RF circuit varies below ± 1% as the input voltage from the external power supply to the receiver varies ± 10% (excluding power supply).

Measurement Frequency		MHz	2412	2442	2472	Result	Limit	Note
Channel Number		Ch.	1	7	13	---	---	
Reading Frequency		MHz	2412.064000	2442.060000	2471.975000	---	---	
Frequency Tolerance		ppm	26.53400	24.57002	-10.11327	**PASS**	$\pm 50 \times 10^{-6}$(50ppm)	
Occupied Bandwidth		MHz	18.206	18.424	18.481	**PASS**	26MHz or below	
Spread Bandwidth		MHz					500kHz or more	
RF Output Power		mW/MHz	1.264736	1.352073	1.573983	**PASS**	10mW/MHz or below	
RF Output Power Tolerance		%	-36.763183	-32.396372	-21.300857	**PASS**	+20 to -80%	
Tx Spurious Emission Strength	30 to 2387MHz	uW/MHz	0.018281	0.024649	0.026503	**PASS**	2.5uW/MHz or below	
		MHz	2384.600	2382.300	2384.600	-----		
	2387 to 2400MHz	uW/MHz	16.481624	0.054200	0.021712	**PASS**	25uW/MHz or below	
		MHz	2398.219	2390.211	2399.831	-----		
	2483.5 to 2496.5MHz	uW/MHz	0.020179	0.103777	18.967059	**PASS**	25uW/MHz or below	
		MHz	2488.674	2484.033	2483.903	-----		
	2496.5 to 12500MHz	uW/MHz	0.043152	0.044238	0.009954	**PASS**	2.5uW/MHz or below	
		MHz	12230.000	12350.000	2506.000	-----		
Rx Spurious Emission Strength	10 to 1000MHz	nW	0.004760	0.005618	0.005565	**PASS**	4nW or below	
		MHz	989.110	815.860	953.470	-----		
	1000 to 5000MHz	nW	0.080835	0.109421	0.088186	**PASS**	20nW or below	
		MHz	4892.000	1732.000	4868.000	-----		
	5000 to 12500MHz	nW	0.182600	0.147537	0.199894	**PASS**	20nW or below	
		MHz	12275.000	12395.000	12440.000	-----		
Interference Prevention Function		-----	Good	Good	Good	**PASS**		

2. List of Measuring Instruments

USE	Equipment	Company	Model No.	Serial No.	Calibrated by	Cal. Method	Cal. Due	Cal. Date
X	Multimeter	HP	34401A	3146A13475	MPC	ハ(c)	Jan. 11, 2018	Jan. 11, 2017
X	Spectrum Analyzer	Agilent Technologies	N9020A	MY48010133	MPC	ハ(c)	Jan. 11, 2018	Jan. 11, 2017
X	DC Power Supply	Agilent Technologies	66332A	US37476998	MPC	ハ(c)	Jan. 4, 2018	Jan. 4, 2017
X	Signal generator	ROHDE&SCHWARZ	SMF100A	102341	HCT	ハ(c)	Jun. 23, 2017	Jun. 23, 2016
X	Thermohygrometer	BODYCOM	BJ5478	1209	MPC	ハ(c)	Jan. 11, 2018	Jan. 11, 2016

Note1: 測定機器の較正は、 1 年間有効です。
The calibration of measurement equipment is valid for one year period.

Note2: "X" は使用した測定機器です。
"X" used equipment.

Note3: 較正方法 …
Cal.Method …

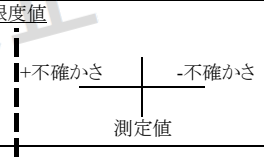
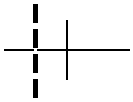
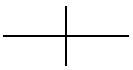
イ): 独立行政法人情報通信研究機構（以下「機構」という。）又は第百二条の十八第一項の指定較正機関が行う較正
a): Calibration conducted by the National Institute of Information and Communications Technology(NICT)(hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1)

ロ): 計量法（平成四年法律第五十一号）第百三十五条 又は第百四十四条 の規定に基づく校正
b): Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)

ハ): 外国において行う較正であつて、機構又は第百二条の十八第一項の指定較正機関が行う較正に相当するもの
c): Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1)

ニ): 別表第三の下欄に掲げる測定器その他の設備であつて、イからハまでのいずれかに掲げる較正等を受けたものを用いて行う較正等
d): Calibration conducted by using measuring instruments and other equipment listed in the right column of Table No. 3 attached hereto, which shall have been given any of calibration, etc. listed above from a) to c)

3. Uncertainty

判定	測定データにおける不確かさの判断とその範囲
適合	**例 A**  測定結果と不確かさは与えられた限度値内に入っています。 これを『適合』と呼びます。
	例 B  完全には、限度値内でも限度値外でもありません。 この場合の適合性については、確実な結論を出すことは出来ません。
不適合	**例 C**  完全には、限度値内でも限度値外でもありません。 この場合の適合性については、確実な結論を出すことは出来ません。
	例 D  測定結果も不確かさも与えられた限度値内に入っていません。 これは『不適合』と呼びます。

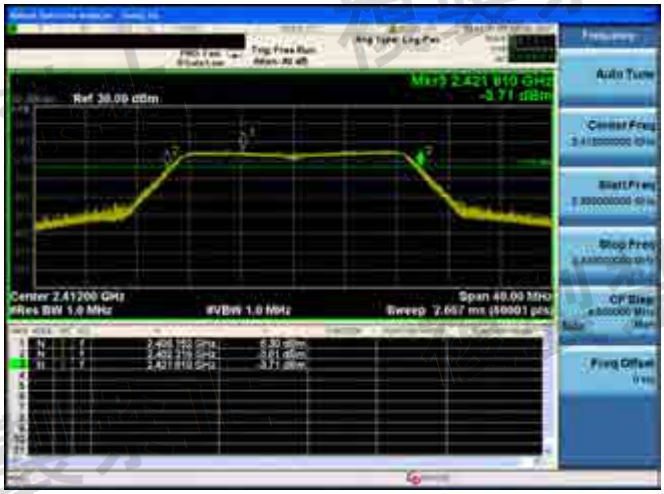
4. Configuration Photographs

Conducted Measurement Photo

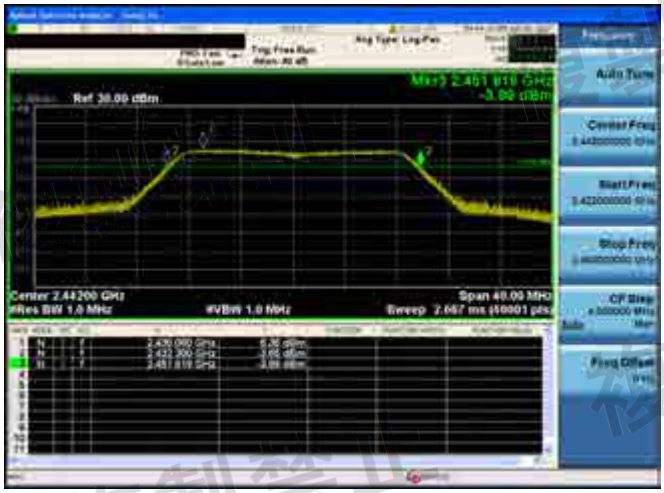
5. Trece Data

5.1 Frequency Tolerance

Ch.1: 2412MHz



Ch.7: 2442MHz

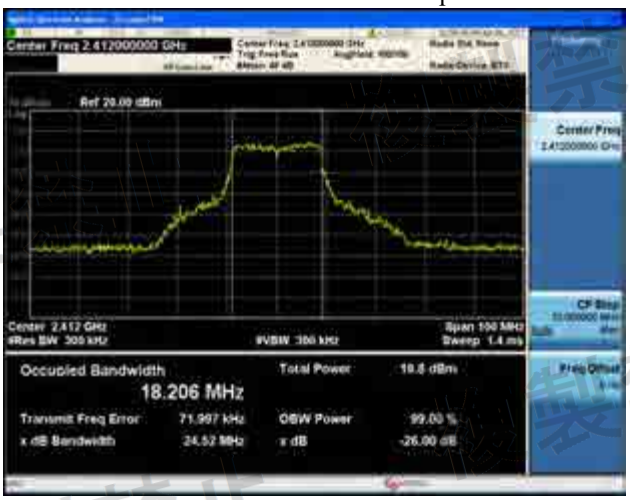


Ch.13: 2472MHz

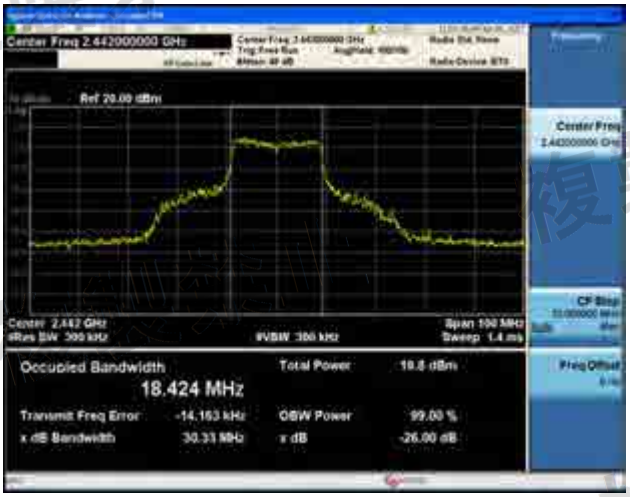
5.2 Occupied and Spread Bandwidth

Ch.1: 2412MHz

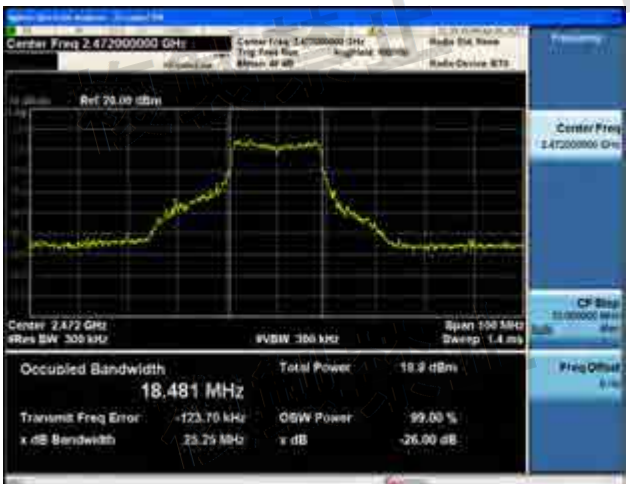
Occupied Bandwidth　　Spread Bandwidth



Ch.7: 2442MHz



Ch.13: 2472MHz

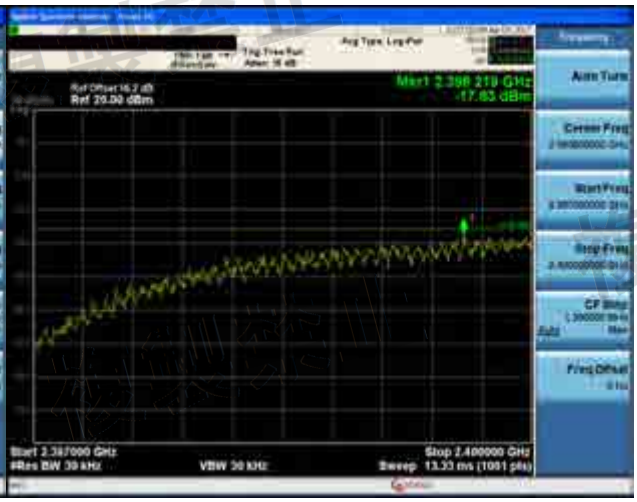


5.3 Tx Spurious Emission Strength

Ch.1: 2412MHz

30-2387MHz

2387-2400MHz



2483.5-2496.5MHz

2496.5-12500MHz

5.3 Tx Spurious Emission Strength(2)

Ch.7: 2442MHz

30-2387MHz

2387-2400MHz

2483.5-2496.5MHz

2496.5-12500MHz

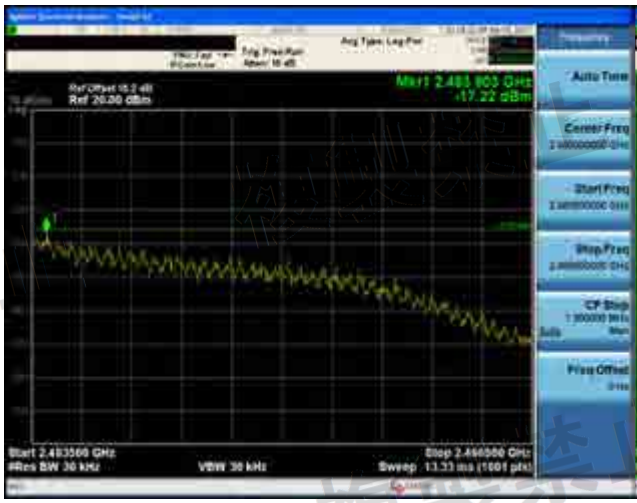
5.3 Tx Spurious Emission Strength(3)

Ch.13: 2472MHz

30-2387MHz

2387-2400MHz

2483.5-2496.5MHz



2496.5-12500MHz

5.4 RF Output Power

Ch.1: 2412MHz

Ch.7: 2442MHz

Ch.13: 2472MHz

5.5 Rx Spurious Emission Strength

Ch.1: 2412MHz

10MHz-1GHz

1-5GHz

5-12.5GHz

5.5 Rx Spurious Emission Strength(2)

Ch.7: 2442MHz

10MHz-1GHz

1-5GHz

5-12.5GHz

5.5 Rx Spurious Emission Strength(3)

Ch.13: 2472MHz

10MHz-1GHz

1-5GHz

5-12.5GHz