

**Motorola Mobility LLC.**  
**222 W,Merchandise Mart Plaza, Chicago IL 60654 USA**  
**Tel:18150396560**

**Date: February 24, 2017**

### Product Equality Declaration

We, Motorola Mobility LLC.declare on our sole responsibility for the product of **AP(10648)**,  
**AP-B28(11363)**,**EMEA(10717)**, **LA(10718/10719)** as below:

■ RF section

1. Frequency band difference

| Radio Functionality Matrix -Same Row indicates Signal Path is Shared among SKUs |           |           |           |               |
|---------------------------------------------------------------------------------|-----------|-----------|-----------|---------------|
| Bands/Modes                                                                     | AP        | AP-B28    | EMEA      | LA            |
|                                                                                 | (10648)   | (11363)   | (10717)   | (10718/10719) |
| FCC ID                                                                          | IHDT56WF3 | IHDT56WF4 | IHDT56WF2 | IHDT56WF1     |
| GSM 850                                                                         | x         | x         | x         | x             |
| GSM 900                                                                         | x         | x         | x         | x             |
| GSM 1800                                                                        | x         | x         | x         | x             |
| GSM 1900                                                                        | x         | x         | x         | x             |
| LTE 1                                                                           | x         | x         | x         |               |
| LTE 2                                                                           |           |           |           | x             |
| LTE 3                                                                           | x         | x         | x         | x             |
| LTE 4                                                                           |           |           |           | x             |
| LTE 5                                                                           | x         | x         | x         | x             |
| LTE 7                                                                           | x         | x         | x         | x             |
| LTE 8                                                                           | x         | x         | x         |               |
| LTE 20                                                                          |           |           | x         |               |
| LTE 28                                                                          |           | x         |           | x             |
| LTE 38                                                                          |           |           | x         |               |
| LTE 40                                                                          | x         | x         | x         |               |
| WCDMA 1                                                                         | x         | x         | x         | x             |
| WCDMA 2                                                                         | x         | x         | x         | x             |
| WCDMA 4                                                                         |           |           |           | x             |
| WCDMA 5                                                                         | x         | x         | x         | x             |
| WCDMA 8                                                                         | x         | x         | x         | x             |
| WLAN 2.4GHz                                                                     | x         | x         | x         | x             |
| WLAN 5GHz                                                                       |           |           |           |               |
| Bluetooth                                                                       | x         | x         | x         | x             |
| DTV                                                                             |           |           |           |               |

## 2. Board difference

|                |                  | AP(10648)                               | AP-B28(11363) | EMEA(10717) | LA(10718/10719) |
|----------------|------------------|-----------------------------------------|---------------|-------------|-----------------|
| WWAN           | IC               | MT6169                                  | MT6169        | MT6169      | MT6169          |
|                | Component on PCB | See Note1                               |               |             |                 |
|                | Antenna          | With the same antenna pattern and match |               |             |                 |
| BT             | IC               | MT6625L                                 | MT6625L       | MT6625L     | MT6625L         |
|                | Component on PCB | Same across all SKUs                    |               |             |                 |
|                | Antenna          | With the same antenna pattern and match |               |             |                 |
| WLAN 2.4GHz    | IC               | MT6625L                                 | MT6625L       | MT6625L     | MT6625L         |
|                | Component on PCB | Same across all SKUs                    |               |             |                 |
|                | Antenna          | With the same antenna pattern and match |               |             |                 |
| NFC            | IC               | Not support                             | Not support   | Not support | Not support     |
|                | Component on PCB | Same across all SKUs                    |               |             |                 |
|                | Antenna          | With the same antenna pattern and match |               |             |                 |
| E-compa ss     | IC               | Not support                             | Not support   | Not support | Ak09912C        |
|                | Component on PCB | Same across all SKUs                    |               |             |                 |
|                | Antenna          | With the same antenna pattern and match |               |             |                 |
| SAR cap Sensor | IC               | Not support                             | Not support   | Not support | Not support     |
|                | Component on PCB | Same across all SKUs                    |               |             |                 |
|                | Antenna          | With the same antenna pattern and match |               |             |                 |

### Note 1

- Compare to EMEA ,one SAW and one Duplexer can be saved in PRX chain of AP SKU, two SAW can be saved in DRX of AP SKU chain ,Because there is no B38 &B20in AP SKU.
- Compare to EMEA ,one more SPDT and two Duplexer are applied in PRX chain of AP\_28 SKU, which is used for B28; one Duplexer of band20 is saved in PRX , one SAW of band28 is different to SAW of band20 is need in DRX.
- Compare to EMEA, one more Duplexer is applied in PRX chain of LA SKU, Because there is B4 in LA SKU; One SAW can be saved for band8, and one SAW be applied for band4 in DRX chain of LA SKU.

### ■ SW section

For this particular Motorola project all SKUs will be sharing the same SW version. The main differences exist per SKUs are related to RF Bands supported (including here availability of CDMA RAT or not). Regarding the SW/FW, there is NOT much difference between SKUs. Note that specific features are enabled via MCFG depending on SIM Card inserted to device, as the lab tests are usually performed with a base FSG setup, we should not expect differences on the protocol level between all SKUs.

## ■ Mechanical section

There is no difference in mechanical design and materials used for all SKUs of Petanque 4G .

There are differences in terms of memory configuration and number of SIM's supported across different SKUs.

| Country / Sub-region | RF SKU   | Petanque 4G | SIM | Memory |
|----------------------|----------|-------------|-----|--------|
| AP                   | AP SKU   | 10648       | DS  | 1+16G  |
| AP-B28               | AP SKU   | 11363       | DS  | 1+16G  |
| EMEA                 | EMEA SKU | 10717       | DS  | 1+16G  |
|                      |          |             | SS  | 1+16G  |
| LA                   | LA SKU   | 10718       | DS  | 1+8G   |
|                      |          | 10719       | SS  | 1+8G   |

Except for difference listed above:

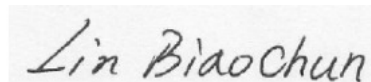
- RF trace: same across AP, EMEA & LA SKUs.
- PCB layout: same across AP, EMEA & LA SKUs.
- PCBA: for any DS/SS models under the same SKU the same PCBA will be used. For example, EMEA DS/SS will share the same PCBA and the only difference is that SS model will have only one SIM slot. PCBA of each SKU is unique because the RF components will differ from SKU to SKU.
- WLAN/BT/GPS/Diversity antenna type, antenna pattern, antenna location, antenna matching value and chipset: Same across AP, EMEA & LA SKUS.
- AP, EMEA & LA SKU does not support NFC.
- Main antenna, covers 699~960 MHz, 1710~2170 MHz and 2300~2700 MHz ,is sharing the same antenna pattern, location and chipset with all SKUs.
- Diversity antenna, covers 699~960 MHz, 1710~2170 MHz and 2300~2700 MHz, is sharing the same antenna pattern, antenna matching value, location and chipset with all SKUs.
- AP, EMEA & LA SKUs will use adaptor.

| Country / Sub-region | DESCRIPTION                                          | RF SKU   | SIM | Petanque 4G |
|----------------------|------------------------------------------------------|----------|-----|-------------|
| AP                   | Input : AC100-240V~50/60Hz 500 mA<br>Output : 5V, 1A | AP SKU   | DS  | 10648       |
| AP-B28               | Input : AC100-240V~50/60Hz 500 mA<br>Output : 5V, 1A | AP SKU   | DS  | 11363       |
| EMEA                 | Input : AC100-240V~50/60Hz 500 mA<br>Output : 5V, 1A | EMEA SKU | DS  | 10717       |
| EMEA                 | Input : AC100-240V~50/60Hz 500 mA<br>Output : 5V, 1A |          | SS  |             |
| LA                   | Input : AC100-240V~50/60Hz 500 mA<br>Output : 5V, 1A | LA SKU   | DS  | 10718       |
| LA                   | Input : AC100-240V~50/60Hz 500 mA<br>Output : 5V, 1A |          | SS  | 10719       |

Except above, the others are all the same.

Should you have any questions or comments regarding this matter, please have my best attention.

Sincerely yours,

A handwritten signature in black ink that reads "Lin BiaoChun". The signature is written in a cursive style with a horizontal line underneath it.

---

Contact Person: Lin BiaoChun

COMPANY: Motorola Mobility LLC.

Tel:86- 18150396560

E-Mail: Linbc@lenovo.com