

# Motorola Mobility LLC.

222 W, Merchandise Mart Plaza, Chicago IL 60654 USA

Date: February 9, 2018

## Product Equality Declaration

We, Motorola Mobility LLC. declare on our sole responsibility for the product of EMEA( XT1925-5, XT1925-4) DS/SS, Latam(XT1925-2, XT1925-1) DS/SS; Brazil (XT1925-3) DS; APAC(XT1925-7); NA(XT1925-6, XT1925-12, XT1925DL) and India (XT1925-13), the detail differences as below:

### 1. Frequency band difference

| Radio Functionality Matrix -Same Row indicates Signal Path is Shared among SKUs |                                   |                      |           |                      |           |           |
|---------------------------------------------------------------------------------|-----------------------------------|----------------------|-----------|----------------------|-----------|-----------|
| Bands/Modes                                                                     | NA                                | LatAm                | Brazil    | EMEA                 | APAC      | India     |
| Model                                                                           | XT1925-6<br>XT1925-12<br>XT1925DL | XT1925-1<br>XT1925-2 | XT1925-3  | XT1925-4<br>XT1925-5 | XT1925-7  | XT1925-13 |
| FCC ID                                                                          | IHDT56XD1                         | IHDT56XD5            | IHDT56XD6 | IHDT56XD4            | IHDT56XD7 | na        |
| GSM 850                                                                         | √                                 | √                    | √         | √                    | √         | √         |
| GSM 900                                                                         | √                                 | √                    | √         | √                    | √         | √         |
| GSM 1800                                                                        | √                                 | √                    | √         | √                    | √         | √         |
| GSM 1900                                                                        | √                                 | √                    | √         | √                    | √         | √         |
| LTE 1                                                                           | √                                 | √                    | √         | √                    | √         | √         |
| LTE 2                                                                           | √                                 | √                    |           |                      | √         | √         |
| LTE 3                                                                           | √                                 | √                    | √         | √                    | √         | √         |
| LTE 4                                                                           | √                                 | √                    |           |                      |           |           |
| LTE 5                                                                           | √                                 | √                    | √         | √                    | √         | √         |
| LTE 7                                                                           | √                                 | √                    | √         | √                    | √         | √         |
| LTE 8                                                                           | √                                 |                      |           | √                    | √         | √         |
| LTE 12                                                                          | √                                 | √                    |           |                      |           |           |
| LTE 13                                                                          | √                                 |                      |           |                      |           |           |
| LTE 17                                                                          | √                                 | √                    |           |                      |           |           |
| LTE 18                                                                          |                                   |                      |           |                      | √         | √         |
| LTE 19                                                                          |                                   |                      |           |                      | √         | √         |
| LTE 20                                                                          | √                                 |                      |           | √                    |           |           |
| LTE 25                                                                          | √                                 |                      |           |                      |           |           |
| LTE 26                                                                          | √                                 |                      |           |                      | √         | √         |
| LTE 28                                                                          | √                                 | √                    | √         |                      | √         | √         |
| LTE 29                                                                          | √                                 |                      |           |                      |           |           |
| LTE 30                                                                          | √                                 |                      |           |                      |           |           |
| LTE 38                                                                          | √                                 |                      |           | √                    | √         | √         |
| LTE 40                                                                          |                                   |                      |           | √                    | √         | √         |
| LTE 41(NB<br>2535-2655MHz)                                                      |                                   |                      |           | √                    | √         | √         |
| LTE 41(FB)                                                                      | √                                 |                      |           |                      |           |           |

|             |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|
| LTE 66      | √ |   |   |   |   |   |
| WCDMA 1     | √ | √ | √ | √ | √ | √ |
| WCDMA 2     | √ | √ | √ | √ | √ | √ |
| WCDMA 4     | √ | √ |   |   |   |   |
| WCDMA 5     | √ | √ | √ | √ | √ | √ |
| WCDMA 8     | √ | √ | √ | √ | √ | √ |
| CDMA BC0    | √ |   |   |   |   |   |
| CDMA BC1    | √ |   |   |   |   |   |
| CDMA BC10   | √ |   |   |   |   |   |
| WLAN 2.4GHz | √ | √ | √ | √ | √ | √ |
| WLAN 5GHz   | √ | √ | √ | √ | √ | √ |
| Bluetooth   | √ | √ | √ | √ | √ | √ |
| NFC         |   |   |   | √ | √ |   |

## 2. Board difference

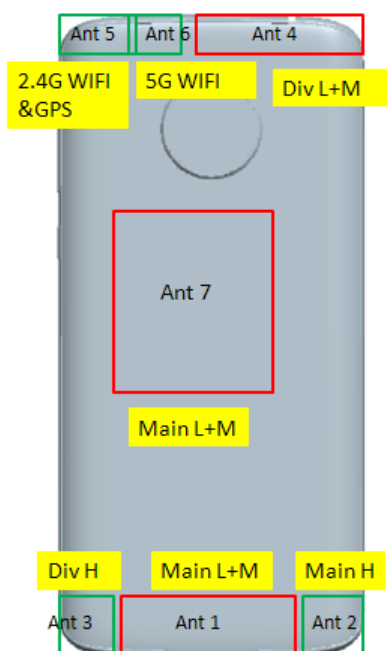
|                    |                  | NA                                              | LatAm                | Brazil   | EMEA     | APAC     | India    |
|--------------------|------------------|-------------------------------------------------|----------------------|----------|----------|----------|----------|
| WWAN               | IC               | SDM450                                          |                      |          |          |          |          |
|                    | Component on PCB | See part 3: Band circuit difference for details |                      |          |          |          |          |
|                    | Antenna          | See part 4: Antenna difference for details.     |                      |          |          |          |          |
| BT/ WLAN<br>2.4GHz | IC               | WCN3660B                                        |                      |          |          |          |          |
|                    | Component on PCB | Same across all SKUs                            |                      |          |          |          |          |
|                    | Antenna          | With the same antenna pattern                   |                      |          |          |          |          |
| WLAN<br>5GHz       | IC               | WCN3660B                                        |                      |          |          |          |          |
|                    | Component on PCB | FEM                                             | Same across all SKUs |          |          |          |          |
|                    | Antenna          | With the same antenna pattern                   |                      |          |          |          |          |
| NFC                | IC               |                                                 |                      |          | NQ310    | NQ310    |          |
|                    | Component on PCB |                                                 |                      |          |          |          |          |
|                    | Antenna          | Same across all SKUs                            |                      |          |          |          |          |
| E-compass          | IC               | AK09918C                                        | AK09918C             | AK09918C | AK09918C | AK09918C | AK09918C |
|                    | Component on PCB | Same across all SKUs                            |                      |          |          |          |          |
|                    | Antenna          | /                                               | /                    | /        | /        | /        |          |
| SAR cap<br>Sensor  | IC               | CY8C4024                                        |                      |          |          |          |          |
|                    | Component on PCB | Same across all SKUs                            |                      |          |          |          |          |
|                    | Antenna          | Same across all SKUs                            |                      |          |          |          |          |

### 3. Band circuit difference

| Commodity                                   | NA | EMEA | LATAM | BRAZIL | APAC | India | Description                                |
|---------------------------------------------|----|------|-------|--------|------|-------|--------------------------------------------|
| <b>B1 Duplexer(1814)</b>                    | 1  | 1    | 1     | 1      | 0    | 0     | B1_Dup_Sig_1814,D6DA2 G140K2A4             |
| <b>B2 Duplexer(1814)</b>                    | 0  | 1    | 1     | 1      | 1    | 1     | B2_Dup_Sig_1814,SAYEY 1G88BA0B0A           |
| <b>B3 Duplexer(1814)</b>                    | 1  | 1    | 1     | 1      | 0    | 0     | B3_Dup_Sig_1814,SAYEY 1G74BC0B0A           |
| <b>B1&amp;3 Quplexer(2520)</b>              | 0  | 0    | 0     | 0      | 1    | 1     | B1+3_QUp_2520,M5001                        |
| <b>B25(2)&amp;66(4)QPX(2520)</b>            | 1  | 0    | 0     | 0      | 0    | 0     | B25+66_Qup_2520,QM25 008                   |
| <b>B4 Duplexer(1814)</b>                    | 0  | 0    | 1     | 0      | 0    | 0     | B4_Dup_Sig_1814,D6DA2 G132K2D4             |
| <b>B5 Duplexer(1814)</b>                    | 0  | 1    | 1     | 1      | 0    | 0     | B5_DUP_Sig_1814,D5DA8 81M5K2E4             |
| <b>B26 Duplexer(1814)</b>                   | 1  | 0    | 0     | 0      | 1    | 1     | B26_Dup_Sig_1814,D5DA 876M5K2P6            |
| <b>B7 Duplexer(1814)</b>                    | 1  | 1    | 1     | 1      | 1    | 1     | B7_Dup_Sig_1814,D6HQ2 G655DP02             |
| <b>B8 Duplexer(1814)</b>                    | 1  | 1    | 1     | 1      | 1    | 1     | B8_Dup_Sig_1814,D5DA9 42M5K2G6             |
| <b>B12/17 Duplexer(1814)</b>                | 1  | 0    | 1     | 0      | 0    | 0     | B12/17_Dup_Sig_1814,D 5DA737M5K2H2         |
| <b>B13 Duplexer(2520)</b>                   | 1  | 0    | 0     | 0      | 0    | 0     | B13_Dup_Sig_2520,B8034                     |
| <b>B20 Duplexer(1814)</b>                   | 1  | 1    | 0     | 0      | 0    | 0     | B20_Dup_Sig_1814,SAYE Y806MBA0F0A          |
| <b>B28A Duplexer(1814)</b>                  | 1  | 0    | 1     | 1      | 1    | 1     | B28A_Dup_Sig_1814,B85 38                   |
| <b>B28B Duplexer(1814)</b>                  | 1  | 1    | 0     | 1      | 1    | 0     | B28B Dup_Sig_1814, B8539                   |
| <b>B30 Duplexer(1814)</b>                   | 1  | 0    | 0     | 0      | 0    | 0     | B30_Dup_Sig_1814,SAYE Y2G31BA0F0A          |
| <b>B40 TRX_SAW</b>                          | 0  | 1    | 0     | 0      | 1    | 1     | B40_TRX_1411_Sig ,SAFE A2G35MC0F0A         |
| <b>B40 DRX SAW</b>                          | 0  | 2    | 0     | 0      | 2    | 2     | B40_DRX_1109_Sig,SAFF B2G35AA0F0A          |
| <b>B38/B41 (full) TRX&amp;DRX_SAW(HPUE)</b> | 1  | 0    | 0     | 0      | 0    | 0     | B41_TRX_1814_Full band SigSAFRD2G59MB0F0A  |
| <b>B38/B41 (full) DRX_SAW</b>               | 2  | 0    | 0     | 0      | 0    | 0     | B41_RX_1814_Full band Sig, SAFRD2G59MA0F0A |
| <b>B41 (120M) TRX SAW</b>                   | 0  | 1    | 0     | 0      | 1    | 1     | B41_TRX_SIG_1109,SAFF B2G59MA3F0A          |
| <b>B41 (120M) DRX SAW</b>                   | 0  | 0    | 0     | 1      | 0    | 1     | B41 (120M) RX saw SAFFB2G59AA3F0A          |
| <b>B1&amp;3 DRx dual_SAW</b>                | 1  | 1    | 1     | 1      | 1    | 1     | B1/B3_DRX_1511_Sig,SA WFD1G84AA0F0A        |

|                                            |   |   |   |   |   |   |                                                                |
|--------------------------------------------|---|---|---|---|---|---|----------------------------------------------------------------|
| <b>B2&amp;25&amp;4&amp;66 DRx dual_SAW</b> | 1 | 0 | 0 | 0 | 0 | 0 | Band25_Band66 / 1in2out Unbalanced/LH_511,SAW FD1G96AC2F0A     |
| <b>GSM1900/ RX_SAW_1 109</b>               | 0 | 1 | 1 | 1 | 1 | 1 | SAFFB1G96AB0F0A                                                |
| <b>B5&amp;26&amp;29DRx dual_SAW</b>        | 1 | 0 | 0 | 0 | 0 | 0 | Band26_Band29 / 1in2out Unbalanced / LH /1511, SAWFD722MAA1F0A |
| <b>B5 DRx SAW</b>                          | 0 | 1 | 1 | 1 | 0 | 0 | B5_RX_SAW,AFFB881MAN0F0A                                       |
| <b>B26 DRx SAW</b>                         | 0 | 0 | 0 | 0 | 1 | 1 | B26_RX_SAW,AFFB876MAA0F0A                                      |
| <b>B7 DRx SAW</b>                          | 1 | 1 | 1 | 1 | 1 | 1 | B7_DRX_1109_Sig,SAFFB2G65AA0F0A                                |
| <b>B8 DRX SAW</b>                          | 1 | 1 | 1 | 1 | 1 | 1 | B8_RX_1109_Sig,SAFFB942MAN0F0A                                 |
| <b>B12/17/13 DRX SAW</b>                   | 1 | 0 | 1 | 0 | 0 | 0 | B12/13/17_RX_ SAW, SAFFB742MAA0F0A                             |
| <b>B20 DRX SAW</b>                         | 1 | 1 | 0 | 0 | 0 | 0 | B20_DRX_1109_Sig ,SAFFB806MAA0F0A                              |
| <b>B28 DRX SAW</b>                         | 1 | 0 | 1 | 1 | 1 | 1 | B28_DRX_1109_Sig_SAFFB780MAA0F0A                               |
| <b>B29 DRX SAW</b>                         | 1 | 0 | 0 | 0 | 0 | 0 | B29_DRX_1109_SIG, SAFFB722MAA0F0A                              |
| <b>B30 DRX SAW</b>                         | 0 | 0 | 0 | 0 | 1 | 0 | 30_DRX_1109_SIG, SAFFB2G35KA1F0A                               |
| <b>B12/13 post_PA filter</b>               | 2 | 0 | 0 | 0 | 0 | 0 | LF1005-NR77NBAT/LF                                             |

#### 4. Antenna difference



| Antenna reuse |          |    |       |        |      |      |       |
|---------------|----------|----|-------|--------|------|------|-------|
|               |          | NA | LATAM | BRAZIL | EMEA | APAC | INDIA |
| ANT1          | main L&M | 1  | 1     | 1      | 2    | 2    | 2     |
| ANT2          | main H   | 1  | 1     | 1      | 2    | 2    | 2     |
| ANT3          | div H    | 1  | 1     | 1      | 2    | 2    | 2     |
| ANT4          | div L&M  | 1  | 1     | 1      | 1    | 2    | 2     |
| ANT5          | 2.4G&GPS | 1  | 1     | 1      | 1    | 1    | 1     |
| ANT6          | 5G WIFI  | 1  | 1     | 1      | 1    | 1    | 1     |
| ANT7          | NFC      |    |       |        | 2    | 2    |       |

## ■ HW section

Except for difference listed above:

- RF trace: same across NA EMEA APAC, LatAm, India& BRAZIL SKUs.
- PCB layout: same across NA EMEAAPAC, LatAm, India& BRAZIL 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 NA EMEAAPAC, LatAm, India& BRAZIL SKUs.
- NFC antenna type, antenna pattern, antenna location and chipset: Same across EMEA APAC, SKU. NA , LATAM, INDIA, BRAZIL Skus not support NFC.
- L/MB main antenna, is sharing the same antenna pattern, location, same matching with all NA/Latam/Brazil skus and APAC/EMEA/India with different antenna match

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

| Regions | Market                                                                                                                                                                                       | RAM (TBD) | eMMC (TBD) | # Sims (transceiver) | Front camera 16M or 8M | NFC | E-Compass | Headset                                         |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------------------|------------------------|-----|-----------|-------------------------------------------------|
| NA      | Retail US, TMO                                                                                                                                                                               | 3GB       | 32GB       | 1                    | 8M                     | NO  | Yes       | No                                              |
|         |                                                                                                                                                                                              | 4GB       | 64GB       |                      |                        |     |           |                                                 |
| LATAM   | Retail: Colombia,                                                                                                                                                                            | 3GB       | 32GB       | 2                    | 8M                     | NO  | Yes       | No                                              |
|         | Argentina, Mexico, Puerto Rico                                                                                                                                                               | 3GB       | 32GB       | 1                    |                        | NO  | Yes       | No                                              |
| Brazil  | Retail, TIM, Vivo, Claro, ECommerce                                                                                                                                                          | 3GB       | 32GB       | 2                    | 8M                     | NO  | Yes       | Yes                                             |
| EMEA    | Retail, UK, Ireland, France, Germany, Spain, Italy, Netherlands, Sweden, Russia, Ukraine, Czech Republic, Slovakia, UAE, Saudi Arabia, Egypt, Lebanon, Kenya, Morocco, Namibia, South Africa | 3GB       | 32GB       | 1                    | 8M                     | Yes | Yes       | EAST(No)<br>MEA(Yes)<br>France(Yes)<br>ROWE(No) |
|         |                                                                                                                                                                                              | 3GB       | 32GB       | 2                    |                        | Yes | Yes       |                                                 |
| APAC    | Aus, NZ, Japan, Philippines, Malaysia, Thailand, Vietnam, Taiwan, HK, Myanmar, Macau, Singapore, Cambodia                                                                                    | 3GB       | 32GB       | 2                    | 16M                    | Yes | Yes       | Yes                                             |
|         |                                                                                                                                                                                              | 4GB       | 64GB       |                      |                        |     |           |                                                 |
| India   | India Retail, Bangladesh, Sri Lanka                                                                                                                                                          | 3GB       | 32GB       | 2                    | 16M                    | No  | Yes       | Yes                                             |
|         |                                                                                                                                                                                              | 4GB       | 32GB       |                      |                        |     |           |                                                 |

Except listings above, the others are all the same.

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

*Lin Biaochun*

Contact Person: Lin biaochun

COMPANY: Motorola Mobility LLC.

Tel: +86-18150396560

E-Mail: Linbc@lenovo.com