

## Motorola Mobility LLC.

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# Product Equality Declaration

We, Motorola Mobility LLC. declare on our sole responsibility for the product of Kane-latam, Kane-super\_row as below:

The differences between Kane-latam, Kane-super\_row as below:

■ RF section

1. Frequency band difference

Bands/Modes	Radio Functionality Matrix -Same Row indicates Signal Path is Shared among SKUs	
	Kane-latam XT1970-1(DS)/ XT1970-2(SS)	Kane-super_row XT1970-3(DS/SS)
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 34		
LTE 38		√
LTE 39		
LTE 40		
LTE 41(NB 2535-2655MHz)		√
LTE 41(FB)		
LTE 66	√	
WCDMA 1	√	√
WCDMA 2	√	√
WCDMA 4	√	
WCDMA 5	√	√

WCDMA 8	√	√
WCDMA19		
CDMA BC0		
CDMA BC1		
CDMA BC10		
WLAN 2.4GHz	√	√
WLAN 5GHz	√	√
Bluetooth	√	√
NFC	√	√

## 2. Board difference

		Kane-latam XT1970-1(DS)/ XT1970-2(SS)	Kane-super_row XT1970-3(DS/SS)
WWAN	IC	S925	S925
	Component on PCB	Some Duplexer and DRX Saw are different from sku to sku	
	Antenna	With the same antenna pattern and match	
BT	IC	S620	S620
	Component on PCB	Same across all SKUs	
	Antenna	With the same antenna pattern and match	
WLAN 2.4GHz	IC	S620	S620
	Component on PCB	Same across all SKUs	
	Antenna	With the same antenna pattern and match	
NFC	IC	S3NRN81XC1_YT30	Samsung
	Component on PCB	Same across all SKUs	
	Antenna	With the same antenna pattern and match	
E-comp ass	IC	MMC5603NJL	Memsic
	Component on PCB	Same across all SKUs	
	Antenna	NA	
SAR cap Sensor	IC	SX9331	SX9331
	Component on PCB	Same across all SKUs	
	Antenna	With the same antenna pattern and match	

## 3. Band circuit difference

		Kane-latam	Kane-super_row
LTE B1,B3 (TX&PRX)	Circuit	Same	Same
	Component	B1/3 duplexer	B1+B3 quadplexer

WCDMA B1 (TX&PRX)	Circuit	Same	Same
	Compoment	B1 duplexer	B1+B3 quadplexer
WCDMA B2 (TX&PRX)	Circuit	Same	Same
	Compoment	B2+B66 quadplexer	B2 duplexer
GSM 1800 (PRX)	Circuit	Same	difference
	Compoment	B3 duplexer	B1+B3 quadplexer
GSM 1900 (PRX)	Circuit	Same	Same
	Compoment	B2+B66 quadplexer	B2 duplexer

#### ■ 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.

The software difference between XT1970-2 and XT1970-1:

- ✓ XT1970-2 supports single SIM card, XT1970-1 support dual SIM Cards.

The software difference between XT1970-3 and XT1970-1:

- ✓ XT1970-3 supports single or dual SIM SIM card , XT1970-1 support dual SIM Cards.
- ✓ Different on RF supporting band configuration(See HW difference)

#### ■ Mechanical section

There is no difference in mechanical design and materials used for all SKUs of Potter. There are differences in terms of memory configuration and number of SIM's supported across different SKUs.

Region	RF SKU	SIM	Memory
LATAM	LATAM SKU	SS	4+128GB
		DS	
SuperROW	ROW SKU	SS	4+128GB
		DS	

Except for differencelisted above:

- RF trace: same across latam,super-row skus.
- PCB layout: same across latam,super-row skus.
- PCBA: for any DS/SS models under the same SKU the same PCBA will be used. For example, latam 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 latam,super-row skus.

- NFC antenna type, antenna pattern, antenna location and chipset: Same across latam,super-row skus.
- Main antenna 01, covers 699~960 MHz and 1710~2700 MHz, is sharing the same antenna pattern, location , matching and chipset with all SKUs.

Except listings above, the others are all the same.

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

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