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Product Equality Declaration

We, Motorola Mobility LLC. declare on our sole responsibility for the product as below:

The differences between **Latam (10807, 11154), Brazil (10809), EMEA (10811, 10646), APAC (10808), and India (10812)** as below:

■ RF section

1. Frequency band difference

Radio Functionality Matrix -Same Row indicates Signal Path is Shared among SKUs					
Bands/Modes	LatAm (10807, 11154)	Brazil(10809)	EMEA (10811, 10646)	APAC (10808)	India(10812)
FCC ID	IHDT56WJ4	IHDT56WJ1	IHDT56WJ5	IHDT56WJ2	IHDT56WJ3
GSM 850	x	x	x	x	x
GSM 900	x	x	x	x	x
GSM 1800	x	x	x	x	x
GSM 1900	x	x	x	x	x
LTE 1	x	x	x	x	x
LTE 2	x				
LTE 3	x	x	x	x	x
LTE 4	x				
LTE 5	x	x	x	x	x
LTE 7	x	x	x	x	
LTE 8			x	x	x
LTE 12	x				
LTE 17	x				
LTE 18				x	
LTE 19			x	x	
LTE 20			x	x	
LTE 26				x	
LTE 28	x	x	x	x	x
LTE 38			x	x	
LTE 40			x	x	x
LTE 41(NB)				x	
WCDMA 1	x	x	x	x	x
WCDMA 2	x	x	x	x	
WCDMA 4	x				
WCDMA 5	x	x	x	x	x
WCDMA 8	x	x	x	x	x
WCDMA19			x	x	
WLAN 2.4GHz	x	x	x	x	x
WLAN 5GHz	x	x	x	x	x
Bluetooth	x	x	x	x	x
DTV					
NFC			x	x	

2. Board difference

		LatAm (10807, 11154)	Brazil (10809)	EMEA (10811, 10646)	APAC (10808)	India (10812)
WWAN	IC	WTR2965	WTR2965	WTR2965	WTR2965	WTR2965
	Component on PCB	See HW section				
	Antenna	With the same antenna pattern and match				
BT	IC	WCN3660B	WCN3660B	WCN3660B	WCN3660B	WCN3660B
	Component on PCB	Same across all SKUs				
	Antenna	With the same antenna pattern and match				
WLAN 2.4GHz	IC	WCN3660B	WCN3660B	WCN3660B	WCN3660B	WCN3660B
	Component on PCB	Same across all SKUs				
	Antenna	With the same antenna pattern and match				
NFC	IC	Not support	Not support	NQ210	NQ210	Not support
	Component on PCB	Same across all SKUs				
	Antenna	With the same antenna pattern and match				
E-compass	IC	Not support	Not support	Not support	Not support	Not support
	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	Not support
	Component on PCB	Same across all SKUs				
	Antenna	With the same antenna pattern and match				

■ HW section

- One more SPDT is applied in PRX chain of Latam SKU, which is used for B1 & B4 co-existence. B1 & B4 share the same PRX port of WTR. Because there is no B4 in EMEA & APAC & India & Brazil SKUs, the SPDT can be saved.
- One more SP2T is applied in DRX chain of EMEA & APAC SKU, which is used for B7 & B38 co-existence. B7 & B38 share the same DRX port of WTR. Because there is no B38 in Latam & India & Brazil SKUs, the SP2T can be saved.
- One more SPDT is applied in PRX chain of EMEA & APAC SKU, which is used for B38 & B40 co-existence. B38 & B40 share the same PRX port of WTR. When there is no B38 in India & Brazil & Latam SKUs, the SPDT can be saved.
- One more SPDT is applied in DRX chain of EMEA & APAC & Latam SKUs, which is used for B20/B28 co-existence or B12(17)/B28 co-existence. B12(17)/B20 & B28 share the same DRX port of WTR. Because there is no B20/B12(17) in Brazil & India SKUs, the SPDT can be saved.
- APAC SKU use different duplex and saw filter for band 26/5/18/19 Tx, WCDMA 5/19 TX, band 26/5/18/19, WCDMA 5/19 RX, GSM850 Rx. EMEA & Latam & Brazil & India use another duplex and saw filter
- RF trace: same across Latam, Brazil, India, EMEA, APAC SKUs.
- PCB layout: same across Latam, Brazil, India, EMEA, APAC 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 antenna type, antenna pattern, antenna location and chipset: Same across Latam, Brazil, India, EMEA APAC SKUs.
 - Latam, Brazil, India, EMEA, APAC SKUs have the same primary antenna and the same diversity, GPS antenna.
 - NFC antenna type, antenna pattern, antenna location and chipset: Same across EMEA, APAC.
- LATAM, INDIA, BRAZIL SKU does not support NFC.

■ 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 Montana. There are differences in terms of memory configuration\ key components and number of SIM's supported across different SKUs as see the list.

10809(Brazil SKU)		
Object	Specifications	Supplier
CPU	MSM-8937-4-727NSP-TR-00-1-AA	Qualcomm
TLCM	TL052VVMP09-00	Tianma
	TL052VVMP13-00	
Front Camera	D5V16C-0JG	Sunny
Rear Camera	AL6S05S_0JG	Sunny
Memory	KMQX10013M-B419(2GB+32GB)	Samsung
Battery	SB18C15119	ATL
SIM	Support dual SIM	
10808(APAC SKU)		
Object	Specifications	1 st Supplier
CPU	MSM-8937-4-727NSP-TR-00-1-AA	Qualcomm
TLCM	TL052VVMP09-00	Tianma
	TL052VVMP13-00	
Front Camera	D5V16C-0JG	Sunny
Rear Camera	AL6S05S_0JG	Sunny
Memory	KMRX1000BM-B614(3GB+32GB)	Samsung
Battery	SB18C15119	ATL
SIM	Support dual SIM	
10808(APAC SKU)		
Object	Specifications	2 nd Supplier
CPU	MSM-8937-4-727NSP-TR-00-1-AA	Qualcomm
TLCM	1010-0502-00009	Mutto
	1010-0502-00010	
Front Camera	L5695F70	O-film
Rear Camera	F3P3MBK	Q-tech
Memory	H9TQ26ACLTMCUR-KUM(4GB+32GB)	Hynix
Battery	SB18C15118	Sunwoda
SIM	Support dual SIM	

10812(India SKU)		
Object	Specifications	Supplier
CPU	MSM-8937-4-727NSP-TR-00-1-AA	Qualcomm(高通)
TLCM	1010-0502-00009	Mutto
	1010-0502-00010	
Front Camera	AL6S05S_0JG	O-film
Rear Camera	F3P3MBK	Q-tech
Memory	KMRX10014M-B614(4GB+32GB)	Samsung
Battery	SB18C15119	ATL
SIM	Support dual SIM	
10807(Latam SKU)		
Object	Specifications	Supplier
CPU	MSM-8937-4-727NSP-TR-00-1-AA	Qualcomm
TLCM	TL052VVMP09-00	Tianma
	TL052VVMP13-00	
Front Camera	D5V16C-0JG	Sunny
Rear Camera	A16S05S-0JG	Sunny
Memory	H9TQ26ABJTACUR-KUM(2GB+32GB)	Hynix
Battery	SB18C15119	ATL
SIM	Support dual SIM	
11154(Latam SKU)		
Object	Specifications	Supplier
CPU	MSM-8937-4-727NSP-TR-00-1-AA	Qualcomm
TLCM	1010-0502-00009	Mutto
	1010-0502-00010	
Front Camera	L5695F70	O-film
Rear Camera	F3P3MBK	Q-tech
Memory	KMQX10013M-B419(2GB+32GB)	Samsung
Battery	SB18C15118	Sunwoda
SIM	Support Single SIM	
10646(EMEA SKU)		
Object	Specifications	Supplier
CPU	MSM-8937-4-727NSP-TR-00-1-AA	Qualcomm
TLCM	TL052VVMP09-00	Tianma
	TL052VVMP13-00	
Front Camera	D5V16C-0JG	Sunny
Rear Camera	AL6S05S_0JG	Sunny
Memory	KMRX1000BM-B614(3GB+32GB)	Samsung
Battery	SB18C15119	ATL
SIM	Support dual SIM	

10811(EMEA SKU)		
Object	Specifications	Supplier
CPU	MSM-8937-4-727NSP-TR-00-1-AA	Qualcomm
TLCM	TL052VVMP09-00	Tianma
	TL052VVMP13-00	
Front Camera	D5V16C-0JG	Sunny
Rear Camera	AL6S05S_0JG	Sunny
Memory	H9TQ26ADFTBCUR-KUM(3GB+32GB)	Hynix
Battery	SB18C15119	ATL
SIM	Support Single SIM	

Except listings above, the others are all the same.

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

Sincerely yours,

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