

Date: May 22th, 2018

Product Equality Declaration

We, Motorola Mobility LLC. declare on our sole responsibility for the product of LatAm SS/DS(XT1920-18/XT1920-19), EMEA(XT1920-16) and WE (XT1920-15) , the detail differences as below:

1. Frequency band difference

RF Functionally Matrix-Same ROW indicates Signal Path is shared among SKUs			
Bands/Modes	LatAm	EMEA	WE
Model	XT1920-18 XT1920-19	XT1920-16	XT1920-15
FCC ID	IHDT56XH2	IHDT56XH1	IHDT56XH4
GSM 850	√	√	√
GSM 900	√	√	√
GSM 1800	√	√	√
GSM 1900	√	√	√
LTE 1	√	√	√
LTE 2	√		
LTE 3	√	√	√
LTE 4	√		
LTE 5	√	√	√
LTE 7	√	√	√
LTE 8		√	√
LTE 20		√	√
LTE 28	√		
LTE 38		√	√
LTE 40		√	√
LTE 41(2535~2655)		√	√
WCDMA 1	√	√	√
WCDMA 2	√	√	√
WCDMA 4	√		
WCDMA 5	√	√	√
WCDMA 8	√	√	√
WLAN 2.4GHz	√	√	√
Bluetooth	√	√	√
NFC			√

2. Board difference

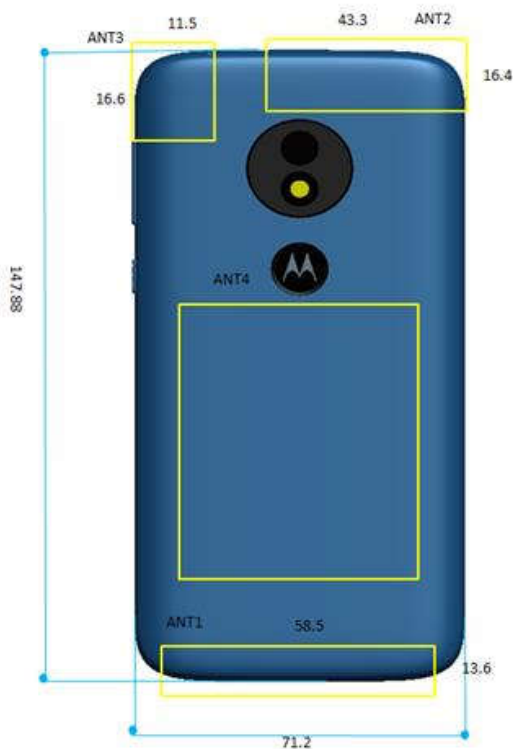
		LatAm (XT1920-18/XT1920-19)	EMEA (XT1920-16)	WE (XT1920-15)
WWAN	IC	WTR2965		
	Component on PCB	See part 3: Band circuit difference for details		
	Antenna	See part 4: Antenna difference for details		
BT	IC	WCN3615		
	Component on PCB	Same across all SKUs		

	Antenna	See part 4: Antenna difference for details		
WLAN 2.4GHz	IC	WCN3615		
	Component on PCB	Same across all SKUs		
	Antenna	See part 4: Antenna difference for details.		
NFC	IC	N/A	N/A	NQ310
	Component on PCB	Same across all SKUs		
	Antenna	N/A		with NFC
SAR cap Sensor	IC	A96T316EW		
	Component on PCB	Same across all SKUs		
	Antenna	See part 4: Antenna difference for details		

3. Band circuit difference

Commodity	LatAm	EMEA	WE	Vendor Part number
B1 Duplexer(1814)	1	1	1	B39212B8651P810
B2 Duplexer(1814)	1	1	1	SAFFB1G96AB0F0A
B3 Duplexer(1814)	1	1	1	B39182B1227P810
B4 Duplexer(1814)	1			D6DA2G132K2D4
B5 Duplexer(1814)	1	1	1	B39881B8626P810
B7 Duplexer(1814)	1	1	1	B39272B1230P810
B8 Duplexer(1814)	1	1	1	D5DA942M5K2G6
B20 Duplexer(1814)		1	1	B39851B8622P810
B28A Duplexer(1814)	1			B39771B8538P810
B28B Duplexer(1814)	1			B39791B8539P810
B40 TRX SAW(1109)		1	1	885075
B41(38) TRX SAW(1109)		1	1	SAFFB2G59MA3F0A
B1/3/4 DRX Dual SAW	1	1	1	SFWG42CBB02
B2 DRX SAW(1109)	1	1	1	SAFFB1G96AB0F0A
B5 DRX SAW(1109)	1	1	1	SFH881AA002
B7 DRX SAW(1109)	1	1	1	SAFFB2G65AA0F0A
B8 DRX SAW(1109)	1	1	1	SAFFB942MAN0F0A
B20 DRX SAW(1109)		1	1	SFH806BA002
B28 DRX SAW(1109)	1			SFH780AA402
B40 DRX SAW(1109)		1	1	SAFFB2G35AA0F0A
B41(38) DRX SAW(1109)		1	1	SAFFB2G59AA3F0A
SPDT	3	2	2	MXD8621C
SP4T	1	1	1	BGSA14GN10
SP8T	1	1	1	RFASWDH2418ATF09

4. Antenna difference



ANT1 Main ANT:

ANT2 DIV ANT:

ANT3 GPS/WIFI ANT:
GPS+WIFI2.4G+BT

ANT4 NFC ANT:
NFC

Antenna Reuse				
		LATAM	EMEA	WE
ANT1	Main ANT	1	2	2
ANT2	Div ANT	1	2	2
ANT3	2.4G&GPS	1	2	2
ANT4	NFC	N/A	N/A	2

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

Region	RF SKU	SIM	NFC	Memory
LatAm	LatAm SKU	DS	NO	1+16G
		SS	NO	
EMEA	EMEA SKU	DS	NO	
WE	WE SKU	SS	support	

Except for difference listed above:

- RF trace: same across LatAm, EMEA & WE SKUs.
- PCB layout: same across LatAm, EMEA & WE 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: LatAm is different from EMEA & WE SKUs.
- NFC antenna type, antenna pattern, antenna location and chipset: LatAm and EMEA SKU do not support NFC, WE SKU support NFC function.
- Main antenna 01, covers 703~960 MHz and 1710~2700 MHz, is sharing the same antenna pattern, location and chipset with LatAm SKUs. EMEA and WE SKU share the others.
- Main antenna 02, covers 824~960 MHz and 1710~2700 MHz, is sharing the same antenna pattern, antenna matching value, location and chipset with EMEA and WE SKUs

Except listings above, the others are all the same.

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

Sincerely yours,



Contact Person: Dailihua
COMPANY: Motorola Mobility LLC.
Tel: 86-18150396535
E-Mail: dailh@lenovo.com