

Motorola Mobility LLC.

Date: May. 23, 2018

Product Equality Declaration

We, Motorola Mobility LLC. declare on our sole responsibility for the product of Robusta S, the differences between Robusta S LATAM and Robusta S Emerging + WE as below:

■ RF section

1. Frequency band difference

Bands/Modes	Robusta S LATAM (FCC ID: IHDT56XK1)	Robusta S Emerging + WE (FCC ID: IHDT56XK2)
GSM 850	√	√
GSM 900	√	√
GSM 1800	√	√
GSM 1900	√	√
LTE 1	√	√
LTE 2	√	x
LTE 3	√	√
LTE 4	√	x
LTE 5	√	√
LTE 7	√	√
LTE 8	√	√
LTE 20	x	√
LTE 28	√	x
LTE 34	x	x
LTE 38	x	√
LTE 39	x	x
LTE 40	x	x
LTE 41(2535-2655)	x	√
WCDMA 1	√	√
WCDMA 2	√	√
WCDMA 4	√	x
WCDMA 5	√	√
WCDMA 8	√	√
CDMA BC0	x	x
TDSCDMA B34	x	x
TDSCDMA B39	x	x
WLAN 2.4GHz	√	√
WLAN 5GHz	√	√
Bluetooth	√	√
NFC	√	√

2. Board difference

		Robusta S LATAM	Robusta S Emerging + WE
WWAN	IC	WTR2965	WTR2965
	Component on PCB	See part3 Band circuit difference	
	Antenna	The Ant pattern is same	
BT	IC	WCN3660B	WCN3660B
	Component on PCB	Same across all	
	Antenna	The Ant pattern is same	
WLAN 2.4GHz	IC	WCN3660B	WCN3660B
	Component on PCB	Same across all	
	Antenna	The Ant pattern is same	
SAR cap Sensor	IC	SX9311ICSTRT	SX9311ICSTRT
	Component on PCB	Same across all	
	Antenna	The Ant pattern is same	

3. Band circuit difference

Commodity	Latam	Emerging + WE	Vendor Part number
SPDT	3	2	WS7802DE
DRX SW MIPI SP10T	1	1	MXD86A0S
B1 DPX	1	1	SFXG50FY902
B2 DPX	1	1	D6DA1G960K2B2
B3 DPX	1	1	PJ D6DA1G842K2C7-Z
B4 DPX	1	0	D6DA2G132K2D9
B5 DPX	1	1	SFX836CYA02
B7 DPX	1	1	D6DA2G655K2F1
B8 DPX	1	1	SAYEY897MBC0B0A
B20 DPX	0	1	SFX806BYH02
B28A DPX	1	0	B8538
B28B DPX	1	0	B8539
B40 TX SAW	0	1	SAFEA2G35MH0F0A
B41 /B38 TRX SAW	0	1	F6FC2G595H4PD
B1/B4+B3 SAW	1	1	SFWG42CBB02
B2 SAW	1	0	SFHG60CA002
B5 SAW	1	1	HDFB05ARSS-B5
B7 SAW	1	1	SFHG56BA002
B8 SAW	1	1	HDFB08ARSS-B5

B20 SAW	0	1	SFH806BA002
B28 SAW	1	0	SFH780AA402
B40 SAW	0	1	HDFB40DRSS-B5
B41/B38 SAW	0	1	SFHG96AA402

For those different band which is indicated duplexers difference, those bands are retest by lab, and the other band uses the same duplexer with Robusta S LATAM, that date will be re-use.

➤ 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, We distinguish different SKUS use different RF card and QCN which is included in the same SW/FW version. And different SKUS PCB have different board ID and PCB ID, SW/FW will load specific rf card and QCN for different SKUS according to specific board ID.

➤ Mechanical section

There is no difference in mechanical design and materials used for two SKUs..

Except for difference listed above:

RF trace: same across Robusta S LATAM SKU & Robusta S Emerging+WE SKU.

PCB layout: same across Robusta S LATAM SKU & Robusta S Emerging+WE SKU.

WLAN /BT/GPS/Diversity/Main antenna is same between Robusta S LATAM SKU & Robusta S Emerging+WE SKU.

Except listings above, the others are all the same.

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



Contact Person: Dailihua

COMPANY: Motorola Mobility LLC.

E-Mail: dailh@motorola.com