

Date: May 22th, 2018

Product Equality Declaration

We, Motorola Mobility LLC. declare on our sole responsibility for the product of SKU5, SKU6, SKU7, the detail differences as below:

1. Frequency band difference

RF Functionally Matrix-Same ROW indicates Signal Path is shared among SKUs			
Bands/Modes	SKU5 NA	SKU6 NA	SKU7 NA
Model	XT2005-5 XT2005-1PP XT2005-1	XT2005-4 XT2005DL XT2005-5	XT2005-3
FCC ID	IHDT56YA1	IHDT56YA2	IHDT56YA3
BC0	√	√	√
BC10	√	√	√
BC1	√	√	√
GSM 850	√	√	√
GSM 900	√	×	√
GSM 1800	√	×	√
GSM 1900	√	√	√
LTE 1	√	×	×
LTE 2	√	√	√
LTE 3	√	×	×
LTE 4	√	√	√
LTE 5	√	√	√
LTE 7	√	×	×
LTE 12	√	√	√
LTE 13	√	√	×
LTE14	√	×	×
LTE 17	√	×	×
LTE 26	√	√	√
LTE30	√	×	×
LTE 66	√	√	√
LTE 25	×	√	√
LTE 71	×	√	√
LTE 41	×	√	√
WCDMA 1	√	×	×
WCDMA 2	√	√	√
WCDMA 4	√	√	√
WCDMA 5	√	√	√
WCDMA 8	√	×	√
WLAN 2.4GHz	√	√	√
WLAN 5GHz	√	√	√
Bluetooth	√	√	√
NFC	×	×	×

2. Board difference

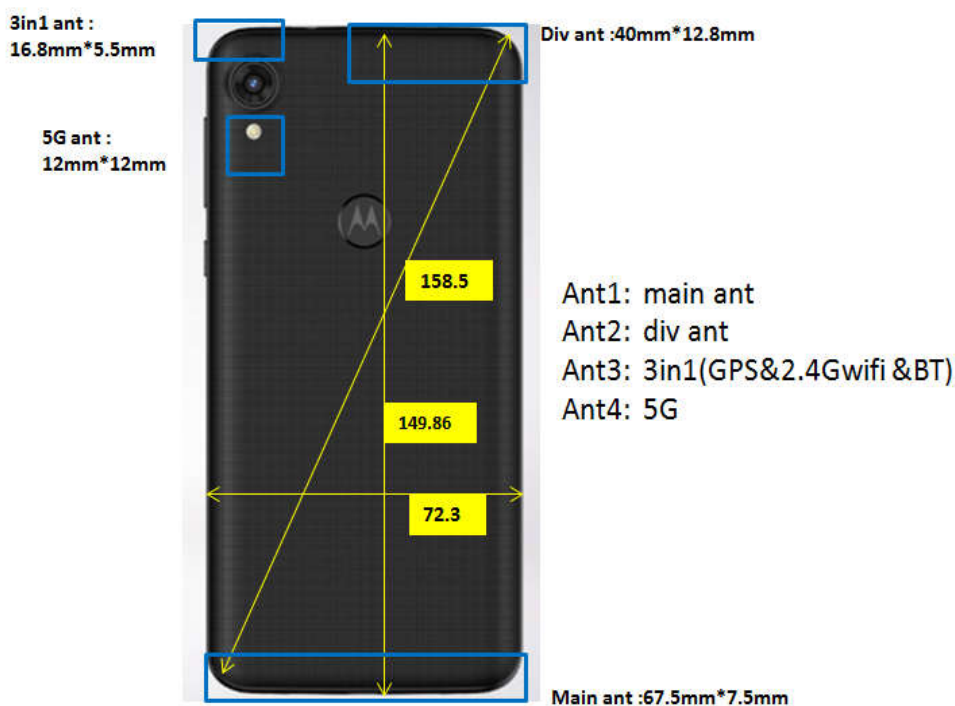
		SKU5 NA	SKU6 NA	SKU7 NA
WWAN	IC	WTR3925		
	Component on PCB	See part 3: Band circuit difference for details		
	Antenna	See part 4: Antenna difference for details		
BT	IC	WCN3660B		
	Component on PCB	SKU7 increases 2.4G FEM-RTC7667 over SKU5/6		
	Antenna	Same across all SKUs		
WLAN 2.4GHz	IC	WCN3660B		
	Component on PCB	SKU7 increases 2.4G FEM-RTC7667 over SKU5/6		
	Antenna	Same across all SKUs		
WLAN 5GHz	IC	WCN3660B		
	Component on PCB	Same across all SKUs		
	Antenna	Same across all SKUs		
SAR cap Sensor	IC	A96T346HW		
	Component on PCB	Same across all SKUs		
	Antenna	See part 4: Antenna difference for details		

3. Band circuit difference

Commodity	SKU5 NA	SKU6 NA	SKU7 NA	Vendor Part number
B1 Duplexer	1	0	0	SFXG50FY902
B2 Duplexer	1	0	0	D6DA1G960K2B2
B3 Duplexer	1	0	0	SAYEY1G74BC0B0A
B7 Duplexer	1	0	0	B39272B1230P810
B8 Duplexer	1	0	1	SFX897EYT02
B12/17 Duplexer	1	1	1	B39741B8649P810
B13 Duplexer	1	1	0	SD18-0782R8UUB4
B14 Duplexer	1	0	0	D5DA793M0K2K2
B25 Duplexer	0	1	1	SD18-1882R8UUC1
B26 Duplexer	1	1	1	D5DA876M5K2P6
B30 Duplexer	1	0	0	SAYEY2G31BA0F0A
B66 Duplexer	1	1	1	D6DA2G155K2T2
B71 Duplexer	0	1	1	B39661B1237L210
Diplexer	1	1	1	RFDIP1608070GM1T76
B41full TRx SAW	0	1	1	B39262B8349L210
B1/4&B2 DRx SAW	1	1	1	SFWG62DBB02
B3 DRx SAW	1	0	2	SFHG42CA002
B7 DRx SAW	1	0	0	SFHG56BA002
B8 DRX SAW	1	0	1	SFH942AA002
B12 DRX SAW	0	0	1	SFH737AA002

B12/17+13 DRx SAW	1	1	0	SAFFB742MAA0F0A
B14 DRx SAW	1	0	0	SAFFB763MAA0F0A
B26 DRx SAW	1	1	1	SAFFB876MAA0F0A
B30 DRx SAW	1	0	0	SAFFB2G35KA1F0A
B71 DRx SAW	0	1	1	SAFEY634MAA0F0A
B41_full DRx SAW	0	1	1	SAFFB2G59AA1F0A
LPF	1	1	1	RFLPF10050G9DM1T76
LPF	2	1	0	RFLPF1608060Y08Q1C
LB LNA	1	1	1	RTC8606L
MB LNA	1	1	1	RTC8606M
SPDT switch	1	1	0	RFASWA630BTF09

4. Antenna difference



Antenna Reuse				
		SKU5	SKU6	SKU7
ANT1	Main ANT	different antenna	same antenna	
ANT2	Div ANT	different antenna	same antenna	
ANT3	2.4G&GPS	same antenna		
ANT4	5G	same antenna		

■ 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.

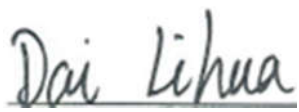
Except for difference listed above:

- RF trace: same across all SKUs.
- PCB layout: same across all SKUs.
- PCBA: PCBA of each SKU is unique because the RF components will differ from SKU to SKU.
- WLAN/BT/GPS/Diversity antenna type, antenna pattern, and antenna location is sharing , antenna/chipset /matching value: sku7 is different from SKU5& SKU6.
- Main antenna 01, covers 671~960 MHz and 1710~2700 MHz, is sharing the same antenna pattern, location and chipset with SKU5. SKU6 and SKU7 share the others.

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: Dai Lihua

COMPANY: Motorola Mobility LLC.

Tel:86-18150396535

E-Mail: dailh@lenovo.com