

# Motorola Mobility LLC

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## Variation Attestation

To Federal Communications commission:

We hereby declares

Initial Model: XT1924-4/XT1924-5, FCC ID: IHDT56XA5

Variant Model: XT1924-3, FCC ID: IHDT56XA6

XT1924-3 is a variant version of XT1924-4/XT1924-5, which was granted on Feb. 22, 2018. All the circuit and PCB layout of XT1924-4/XT1924-5 and XT1924-3 were identical, some difference of population/depopulation to enable support of different cellular bands via software. The Chipset of XT1924-4/XT1924-5 is MSM8917, While the Chipset of XT1924-3 is MSM8937. The MSM8917 and MSM8937 have the same RF Character and parameter. And also the differences between MSM8917 and MSM8937 are as bellows:

- (i) The package name of MSM8937 and MSM8917 is different;
- (ii) The core of MSM 8937 and MSM 8917 is different;
- (iii) The memory size of MSM8937 and MSM8917 is different;
- (iv) The Graphics engine of MSM8937 and MSM8917 is different

	MSM8937	MSM8917
<b>Process technology</b>	28 nm	28 nm
<b>Package</b>	727 NSP: 14 × 12 × 0.91 mm; 0.4 mm pitch	720 NSP: 14 × 12 × 0.91 mm; 0.4 mm pitch
<b>Core</b>	Octa core 1.4 GHz ARM Cortex-A53 64-bit application processors with 512 kB L2 cache	Quad core 1.2 GHz ARM Cortex-A53 64-bit application processors with 512 kB L2 cache
<b>Memory</b>	LPDDR3 SDRAM; 32-bit wide; up to 800 MHz Discrete (non-POP) package	LPDDR3 SDRAM; 32-bit wide; up to 667 MHz Discrete (non-POP) package
<b>Modem</b>	QDSP6 v56 core 768 kB L2 cache • DSDS • LTE 2 × 10 MHz CA	QDSP6 v56 core 768 kB L2 cache • DSDS • LTE 2 × 10 MHz CA
<b>RF</b>	WTR2965 (LTE) paired with another WTR2965 for CA	WTR2965 (LTE) paired with another WTR2965 for CA
<b>Graphics engine</b>	Qualcomm Adreno 505; up to 450 MHz	Qualcomm Adreno 308; up to 500 MHz
<b>Graphics memory</b>	128 kB unified SRAM pool on-chip memory (GMEM)	128 kB unified SRAM pool on-chip memory (GMEM)
<b>SLIMbus</b>	One port SLIMbus interface to WCD9326 (optional)	One port SLIMbus interface to WCD9326 (optional)

Based on the similarities between these devices,

FCC WWAN RF reports of GSM 850/1900, WCDMA850/1900, LTE B5/7 issued by Sporton International Inc. for model: XT1924-4/XT1924-5 remain representative of model: XT1924-3 demonstrates compliance for Part 22/24/27 standard.

In addition, the XT1924-3 is also re-tested to ensure the compliance is kept:

- (i) FCC Part 15B is full test;
- (ii) FCC Part27M(LTE B38/41) and FCC Part27D(LTE B40) are full test for additional Bands from XT1924-3;

(iii) FCC Part2.1093 (LTE B38/40/41) is full test for additional Bands from XT1924-3;

Sincerely,

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