

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
Process technology	28 nm	28 nm
Package	727 NSP: 14 × 12 × 0.91 mm; 0.4 mm pitch	720 NSP: 14 × 12 × 0.91 mm; 0.4 mm pitch
Core	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
Memory	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
Modem	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
RF	WTR2965 (LTE) paired with another WTR2965 for CA	WTR2965 (LTE) paired with another WTR2965 for CA
Graphics engine	Qualcomm Adreno 505; up to 450 MHz	Qualcomm Adreno 308; up to 500 MHz
Graphics memory	128 kB unified SRAM pool on-chip memory (GMEM)	128 kB unified SRAM pool on-chip memory (GMEM)
SLIMbus	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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