



Declaration of changes from T609DL to T609SPP

General: T609SPP is a variant product of T609DL, the only difference is that some frequency bands are disabled through software, the hardware is identical with T609DL. We provide separate test reports for each model and all test results are derived from the model T609DL

● SOFTWARE MODIFICATIONS:

- Protocol Stack changes: No
- MMS/STK/USAT/USIM changes: No
- DM/SUPL/VT/FUMO/SWP/HCI: Yes, T609SPP support FUMO, T609DL not support FUMO feature
Note : FUMO full name is “firmware update management object” which is a software feature and develop it by software)
- Other changes detailed: yes, close parts of bands which customer not required, details as below, others SW no change

Model	Frequency Band	CA Bands
T609DL	2G: 850/900/1800/1900 3G: B1/2/4/5/8 4G: B2/3/4/5/7/12/13/20/25/26/28/41HPUE/48/66/71 5G SA&NSA : n25(40MHz)/41(100MHz)HPUE/66/71/77(100MHz)HPUE 5G NSA:n2/5/30	Bands Details as attachd “Bands list”
T609SPP	2G: 850/900/1800/1900 3G: B1/2/4/5/8 4G: B2/3/4/5/7/12/13/20/28/66 5G NSA: n2/5/66(40MHz)/77(100MHz)HPUE	Bands Details as attachd “Bands list”

● HARDWARE MODIFICATIONS:

- Band changes: YES
- PCB Layout changes: No
- Main RF components changes:

	Antenna	Baseband AP	Baseband Modem	Transceiver	Power Amplifier	Rx SAW Filter	ASM
GSM850	No	No	No	No	No	No	/No
GSM900	No	No	No	No	No	No	/No
GSM1800	No	No	No	No	No	No	/No
GSM1900	No	No	No	No	No	No	/No

	Antenna	Baseband AP	Baseband Modem	Transceiver	Power Amplifier	Tx SAW Filter	Duplexer	ASM
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UMTS2100	No	No	No	No	No	No	/No	No
UMTS1900	No	No	No	No	No	No	/No	No
UMTS1700	No	No	No	No	No	No	/No	No
UMTS900	No	No	No	No	No	No	/No	No
UMTS850	No	No	No	No	No	No	/No	No

	Antenna	Base band AP	Base band Modem	Transceiver	Power Amplifier	Tx SAW Filter	Rx SAW Filter	Duplexer	ASM
LTE Band 2	No	No	No	No	No	No	No	No	No
LTE Band 3	No	No	No	No	No	No	No	No	No
LTE Band 4	No	No	No	No	No	No	No	No	No
LTE Band 5	No	No	No	No	No	No	No	No	No
LTE Band 7	No	No	No	No	No	No	No	No	No
LTE Band 12	No	No	No	No	No	No	No	No	No
LTE Band 13	No	No	No	No	No	No	No	No	No
LTE Band 20	No	No	No	No	No	No	No	No	No
LTE Band 28	No	No	No	No	No	No	No	No	No
LTE Band 66	No	No	No	No	No	No	No	No	No

	Antenna	Base band AP	Base band Modem	Transceiver	Power Amplifier	Tx SAW Filter	Rx SAW Filter	Duplexer	ASM
SA&NSA n2	No	No	No	No	No	No	No	No	No
SA&NSA n5	No	No	No	No	No	No	No	No	No
SA&NSA n66	No	No	No	No	No	No	No	No	No
SA&NSA n77	No	No	No	No	No	No	No	No	No

	Antenna	Baseband AP	Baseband Modem	Transceiver	Power Amplifier	Balun	Band pass filter	Diplexer
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Bluetooth	No	No	No	No	No	No	No	No
Wi-Fi	No	No	No	No	No	No	No	No

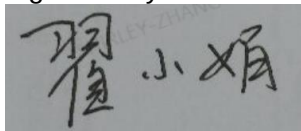
- FM changes: No
- LCD/ Speaker/ Camera/ Vibrator changes: (indicated the changed items if yes) No
- Other changes detailed: No

● **MECHANICAL MODIFICATIONS:**

- Use new metal front/back cover or keypad: No
- Mechanical shell changes:
Whole size of EUT: No
Distance of Ear reference point to bottom of handset: No
Other trinkets to change the surface of handset: No
- Other changes detailed:
No

APPROVED BY:

Project Manager: Jenny Zhai



Signature:

Date: 2023-01-05