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### Declaration of changes from Initial T431E to Variant T431D

**General: T431D is a variant product of T431E:**

● **SOFTWARE MODIFICATIONS:**

- Protocol Stack changes: no change
- MMS/STK/USAT/USIM changes: no change
- DM/SUPL/VT/FUMO/SWP/HCI: no change
- Other changes detailed: no change

● **HARDWARE MODIFICATIONS:**

- Baseband changes: NO
- Band changes: **YES**

product	GSM	UMTS	LTE
T431E	850/900/1800/1900	B1/2/4/5/8	B1/2/3/4/5/7/8/12/13/17/26/28/38/40/66
T431D	900/1800	B1/8	B1/3/7/8/20/28

- Antenna changes: NO
- PCB Layout changes: NO
- Main components changes: NO

	Base Band	Transceiver	ASM	Power Amplifier	Tx SAW Filter	Rx SAW Filter (SAW Duplexer)
GSM 850	NO	NO	NO	NO	NO	NO
GSM 1800	NO	NO	NO	NO	NO	NO

	Base Band	Transceiver	ASM	Power Amplifier	Tx SAW Filter	Rx SAW Filter (SAW Duplexer)
UMTS FDD I	NO	NO	NO	NO	NO	NO
UMTS FDD VIII	NO	NO	NO	NO	NO	NO

	Base Band	Transceiver	ASM	Power Amplifier	Tx SAW Filter	Rx SAW Filter (SAW Duplexer)
LTE B1	NO	NO	NO	NO	NO	NO
LTE B3	NO	NO	NO	NO	NO	NO
LTE B7	NO	NO	NO	NO	NO	NO
LTE B8	NO	NO	NO	NO	NO	NO
LTE B20	NO	NO	NO	NO	<b>YES</b>	<b>YES</b>
LTE B28	NO	NO	NO	NO	NO	NO

	Antanna	AP	MODEM	Transceiver	Balun	Band pass filter	diplexer
Bluetooth	NO	NO	NO	NO	N/A	NO	NO
wifi	NO	NO	NO	NO	N/A	NO	NO

- FM changes: NO
- GPS changes: NO
- Other components changes: NO
- TP/LCD/ Camera changes: NO
- Other changes detailed: NO

● **MECHANICAL MODIFICATIONS:**

- Use new metal front/back cover or keypad: No
- Mechanical shell changes: No


- 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: Wu Yunlin

Signature:

Date: 2022.08.25

A handwritten signature in black ink, appearing to be the Chinese characters '吴云林' (Wu Yunlin), written in a cursive style.