

## Declaration of changes of Ottawa NA- T810S adding band n77

**General: Ottawa NA – T810S will add band n77 based on former version:**

### ● SOFTWARE MODIFICATIONS:

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

### ● HARDWARE MODIFICATIONS:

- Baseband changes: NO
- Band changes: **Yes**

product	GSM	UMTS	LTE	5G
T810S	850/900/1800/1900	B1/2/4/5/8	FDD LTE: B1/2/3/4/5/7/8/12(MFBI)/13/14/17/20/25/26/28/2 9/30/66/71 TDD LTE:38/40/41/48	n2, n5, n7,n41,n71, n78(HPUE), n66
T810S	850/900/1800/1900	B1/2/4/5/8	FDD LTE: B1/2/3/4/5/7/8/12(MFBI)/13/14/17/20/25/26/28/2 9/30/66/71 TDD LTE:38/40/41/48	n2, n5, n7,n41,n71, n78(HPUE), n66, <b>n77</b>

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

	Base Band	Transceiver	ASM	Power Amplifier	Tx SAW Filter	Rx SAW Filter (SAW Duplexer)
GSM 850	NO	NO	NO	NO	NO	NO
GSM 900	NO	NO	NO	NO	NO	NO
GSM 1800	NO	NO	NO	NO	NO	NO
GSM 1900	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 II	NO	NO	NO	NO	NO	NO
UMTS FDD IV	NO	NO	NO	NO	NO	NO
UMTS FDD V	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 B2	NO	NO	NO	NO	NO	NO
LTE B3	NO	NO	NO	NO	NO	NO
LTE B4	NO	NO	NO	NO	NO	NO
LTE B5	NO	NO	NO	NO	NO	NO
LTE B7	NO	NO	NO	NO	NO	NO
LTE B8	NO	NO	NO	NO	NO	NO
LTE B12	NO	NO	NO	NO	NO	NO
LTE B13	NO	NO	NO	NO	NO	NO
LTE B14	NO	NO	NO	NO	NO	NO

LTE B17	NO	NO	NO	NO	NO	NO
LTE B20	NO	NO	NO	NO	NO	NO
LTE B25	NO	NO	NO	NO	NO	NO
LTE B26	NO	NO	NO	NO	NO	NO
LTE B28	NO	NO	NO	NO	NO	NO
LTE B29	NO	NO	NO	NO	NO	NO
LTE B30	NO	NO	NO	NO	NO	NO
LTE B38	NO	NO	NO	NO	NO	NO
LTE B40	NO	NO	NO	NO	NO	NO
LTE B41	NO	NO	NO	NO	NO	NO
LTE B48	NO	NO	NO	NO	NO	NO
LTE B66	NO	NO	NO	NO	NO	NO
LTE B71	NO	NO	NO	NO	NO	NO

	Base Band	Transceiver	ASM	Power Amplifier	Tx SAW Filter	Rx SAW Filter (SAW Duplexer)
n2	NO	NO	NO	NO	NO	NO
n5	NO	NO	NO	NO	NO	NO
n7	NO	NO	NO	NO	NO	NO
n41	NO	NO	NO	NO	NO	NO
n66	NO	NO	NO	NO	NO	NO
n71	NO	NO	NO	NO	NO	NO
n78	NO	NO	NO	NO	NO	NO
n77	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

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

● **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:

**APPROVED BY:**

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Signature:  
Date: 2021.06.10