

## Declaration of changes from Ronin TA-1347 to Ronin TA-1336

### ● SOFTWARE MODIFICATIONS:

- Protocol Stack changes: No
- MMS/STK/USAT/USIM changes: YES  
TA1336 dual SIM  
TA1347 single SIM
- DM/SUPL/VT/FUMO/SWP/HCI: No
- Other changes detailed: No

### ● HARDWARE MODIFICATIONS:

- Band changes: YES  
TA-1336 GSM : 850, 900, 1800, 1900 WCDMA : 1, 2, 5, 8 LTE : 1, 3, 5, 7, 8, 20, 28, 38, 40, 41  
TA-1347 GSM : 850, 900, 1800, 1900 WCDMA : 1, 2, 4, 5, 8 LTE : 1, 2, 3, 4, 5, 7, 8, 12/17, 28, 66
- PCB Layout changes: NO
- Main components changes:

	Antenna	Transceiver	Power Amplifier	Rx SAW Filter	Tx SAW Filter	BaseBand IC	Duplexer	ASM
<b>GSM850</b>	YES	NO	NO	NO	NO	NO	NO	NO
<b>GSM900</b>	YES	NO	NO	NO	NO	NO	NO	NO
<b>GSM1800</b>	YES	NO	NO	NO	NO	NO	NO	NO
<b>GSM1900</b>	YES	NO	NO	NO	NO	NO	NO	NO
<b>UMTS2100</b>	YES	NO	NO	NO	NO	NO	NO	NO
<b>UMTS1900</b>	YES	NO	NO	NO	NO	NO	NO	NO
<b>UMTS1700</b>	YES	NO	NO	YES	YES	NO	YES	NO
<b>UMTS850</b>	YES	NO	NO	NO	NO	NO	NO	NO
<b>UMTS900</b>	YES	NO	NO	NO	NO	NO	NO	NO
<b>LTE 1</b>	YES	NO	NO	NO	NO	NO	NO	NO
<b>LTE 2</b>	YES	NO	NO	YES	YES	NO	YES	NO
<b>LTE 3</b>	YES	NO	NO	NO	NO	NO	NO	NO
<b>LTE 4</b>	YES	NO	NO	YES	YES	NO	YES	NO
<b>LTE 5</b>	YES	NO	NO	NO	NO	NO	NO	NO
<b>LTE 7</b>	YES	NO	NO	NO	NO	NO	NO	NO
<b>LTE 8</b>	YES	NO	NO	NO	NO	NO	NO	NO
<b>LTE 12</b>	YES	NO	NO	YES	YES	NO	YES	NO
<b>LTE 17</b>	YES	NO	NO	YES	YES	NO	YES	NO
<b>LTE 20</b>	YES	NO	NO	YES	YES	NO	YES	NO
<b>LTE 28</b>	YES	NO	NO	NO	NO	NO	NO	NO
<b>LTE 38</b>	YES	NO	NO	YES	YES	NO	YES	NO
<b>LTE 40</b>	YES	NO	NO	YES	YES	NO	YES	NO
<b>LTE 41</b>	YES	NO	NO	YES	YES	NO	YES	NO
<b>LTE 66</b>	YES	NO	NO	YES	YES	NO	YES	NO
<b>Bluetooth</b>	NO	NO	NO	NO	NO	NO	NO	NO
<b>WiFi</b>	NO	NO	NO	NO	NO	NO	NO	NO

- FM changes: NO
- Other components changes:  
LCD/ Speaker/ Camera/ Vibrator 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: Rosario

Signature:

Date: 2021-4-8

A handwritten signature in black ink, appearing to read 'Rosario', written in a cursive style.