

# Comparison



| Item                      | SCANBOX, SCANX Malaysia  | IBFlex, PCTEL USA  | TSME6, R&S Germany  |
|---------------------------|--|--|---|
| Measurement modes         | 5G NR, TD-LTE, FDD-LTE, WCDMA  | 5G NR, TD-LTE, FDD-LTE, NB-IoT, UMTS, GSM, CDMA, EVDO, WiFi, LAA, P25, DMR, TETRA                                | 5G NR, TD-LTE, FDD-LTE, NB-IoT, UMTS, GSM, CDMA, EVDO, TETRA  |
| Frequency bands           | Global 3G/4G/5G sub-6 bands. mmWave band will be supported in Q4 2022  | 10MHz – 6GHz   | 350MHz – 6GHz   |
| Measurement rate(typical) | Max. 2 updates/sec   | 25 ~ 50 updates/sec depending on the measurement modes selected  | 14 ~ 49 updates/sec depending on the measurement modes selected   |
| Min. detection level      | 5G NR:<br>RSRP -128.73 dBm @100MHz BW 30 kHz SCS<br>LTE:<br>RSRP -132.73 dBm @5MHz BW FDD/TDD<br>WCDMA:<br>CPICH RSCP -115 dBm | 5G NR:<br>SCS @15 kHz: -135 dBm, SCS @30 kHz: -132 dBm<br>LTE:<br>-140 dBm (RSRP @ 15 kHz)<br>WCDMA:<br>-110 dBm | 5G NR:<br>RSRP (40 ms periodicity, 30 kHz subcarrier spacing): -142.5 dBm<br>LTE:<br>-147 dBm(RSRP)<br>WCDMA:<br>-116 dBm |
| Max. input power          | +22 dBm  | - 15 dBm max   | +20 dBm   |
| Accuracy                  | +/- 2 dB @input power >= -100 dBm  | +/- 2 dB @ 5G NR, +/- 1 dB @ LTE/WCDMA   | n/a   |
| Receive modes             | 2*2 MIMO   | 2*2 MIMO   | Allow up to 4*4 MIMO  |
| Working hours             | 4-5 hours  | 2-3 hours  | 3 hours   |
| Weight/Size               | 300 g / 130 mm x 95 mm x 35 mm   | 1.1 kg/ 192 mm x 111.8 mm x 39.4 mm(without battery pack)  | 490 g/ 154 mm × 35 mm × 85 mm   |
| Display SW                | Android. Open API for 3 <sup>rd</sup> party DT vendors' integration  | Windows/Android  | Windows/Android   |