Issues:

1) With data rate BLE 125Kbs(LE Coded S8) needed for our purposes the application returns the value "-b'\x00\x00'dBm" as Average RSSI, tried with every "Payload Model";

2) With the boards 2 meters apart, using as payload model one among PRBS92,11110000 and 10101010 the number of packets received is about 530 packets against the 800 expected, and using constant carrier zero packets are received;

3) using PHY:1Mbps and Payload model:PRBS9, with the two boards 10 centimeters apart and even 2 meters apart, the log reports 1605 received against the 1600 expected, and the value returned for the "Average RSSI" is -124dBm.