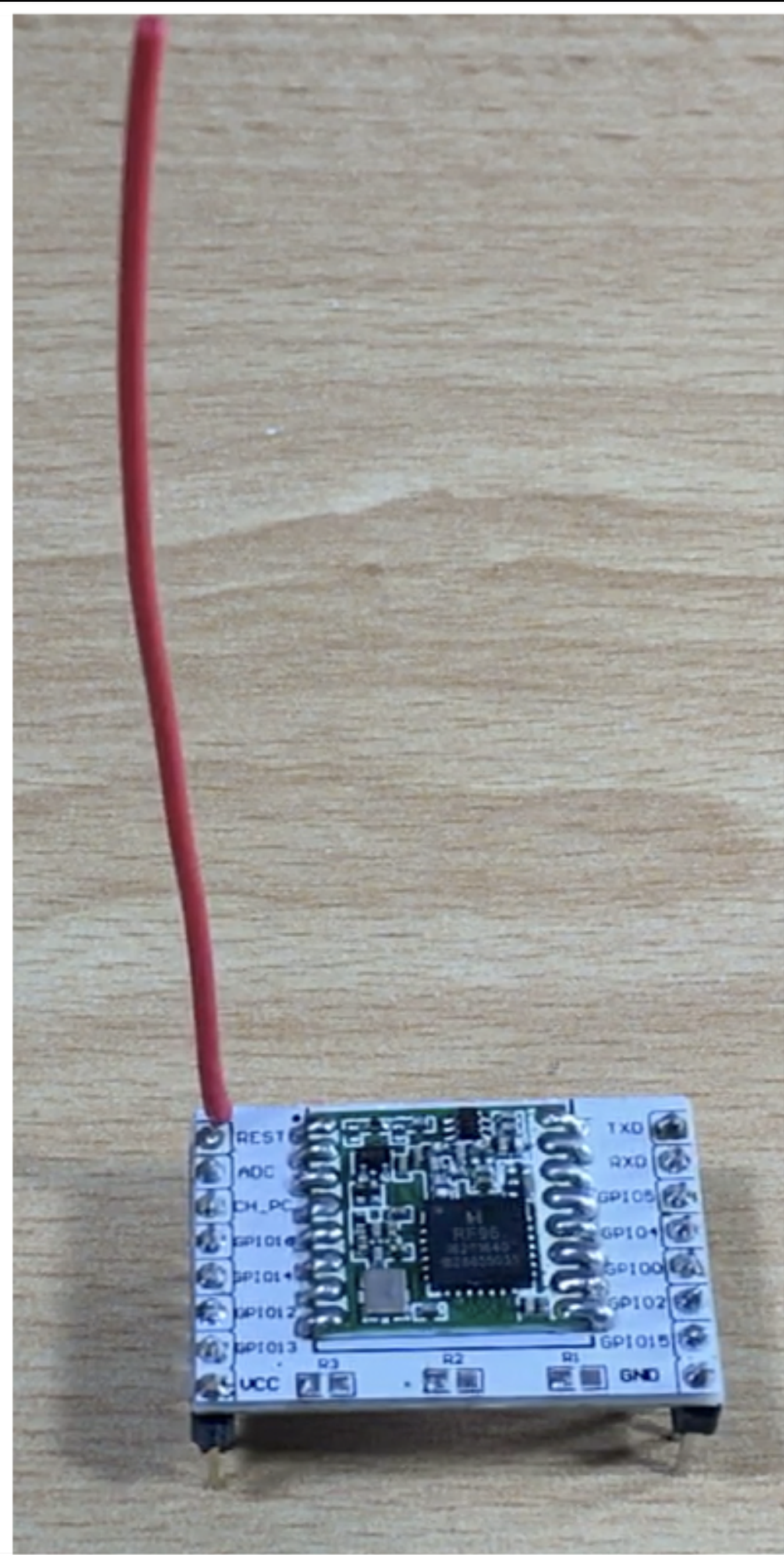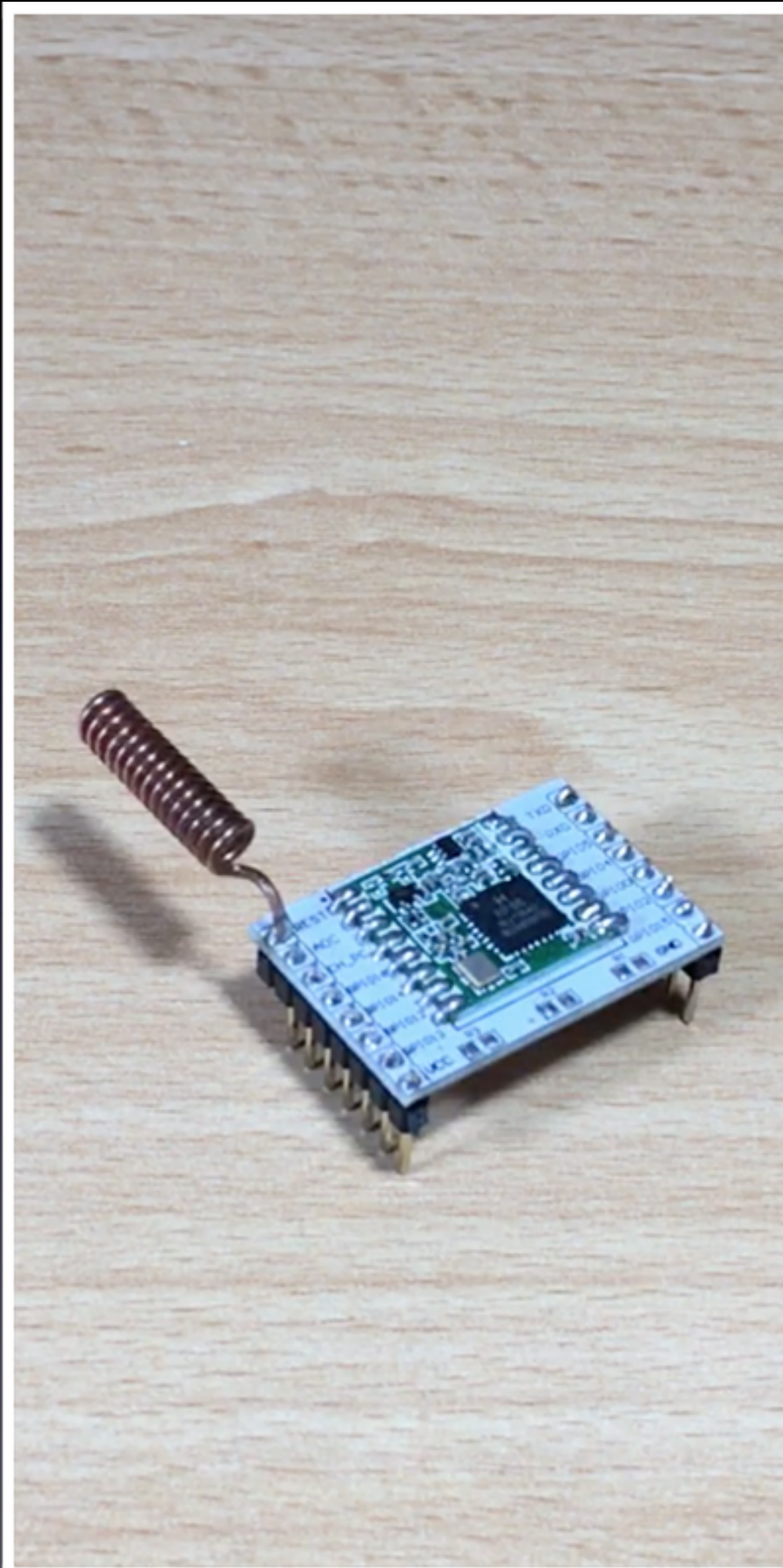mobilefish.com

COIL ANTENNA

VS

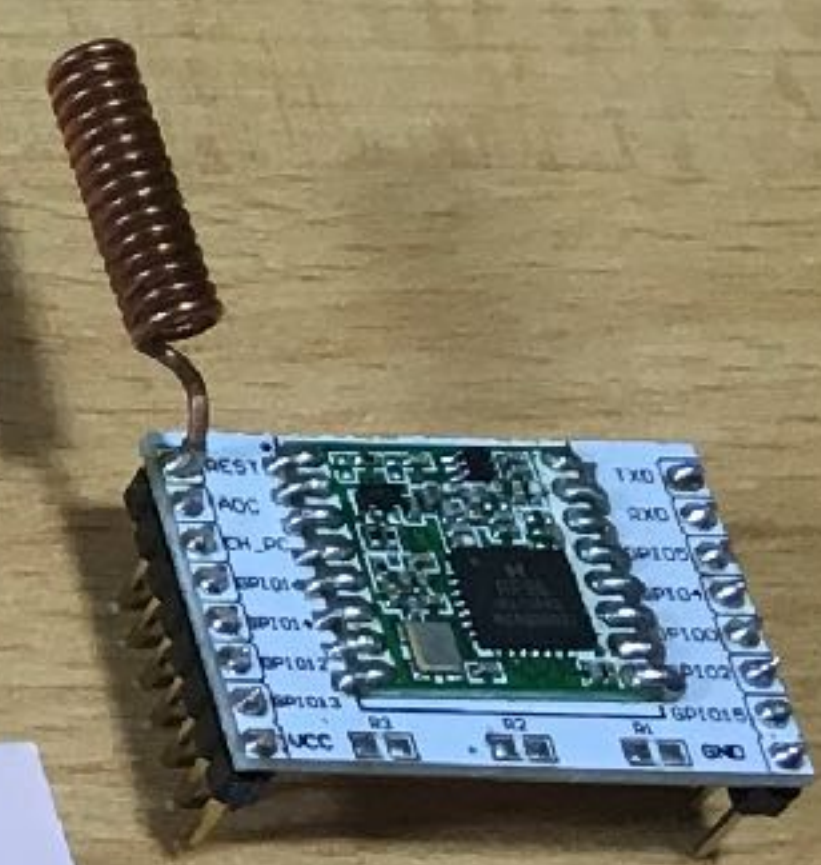WIRE ANTENNA

REVISITED

mobilefish.com
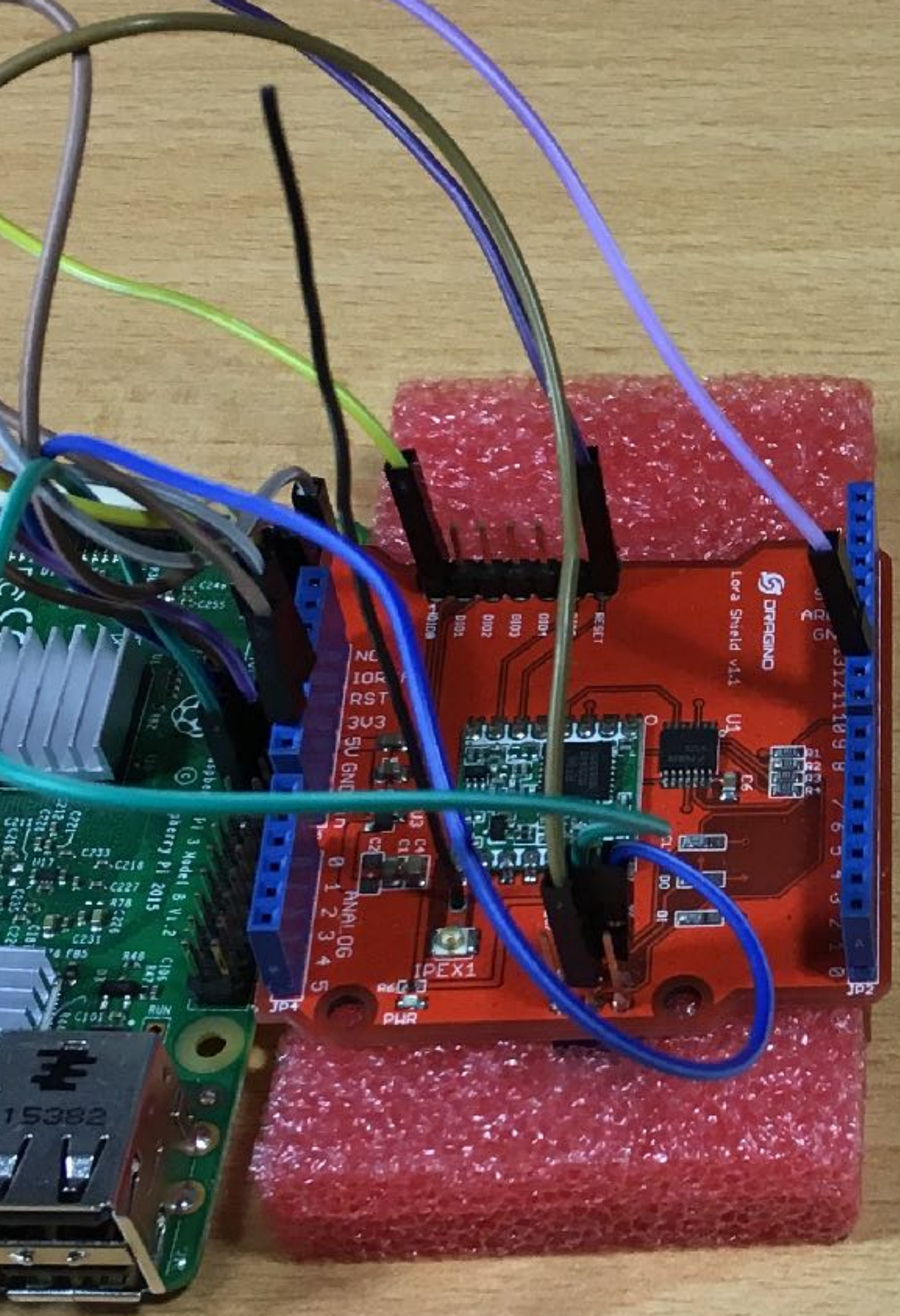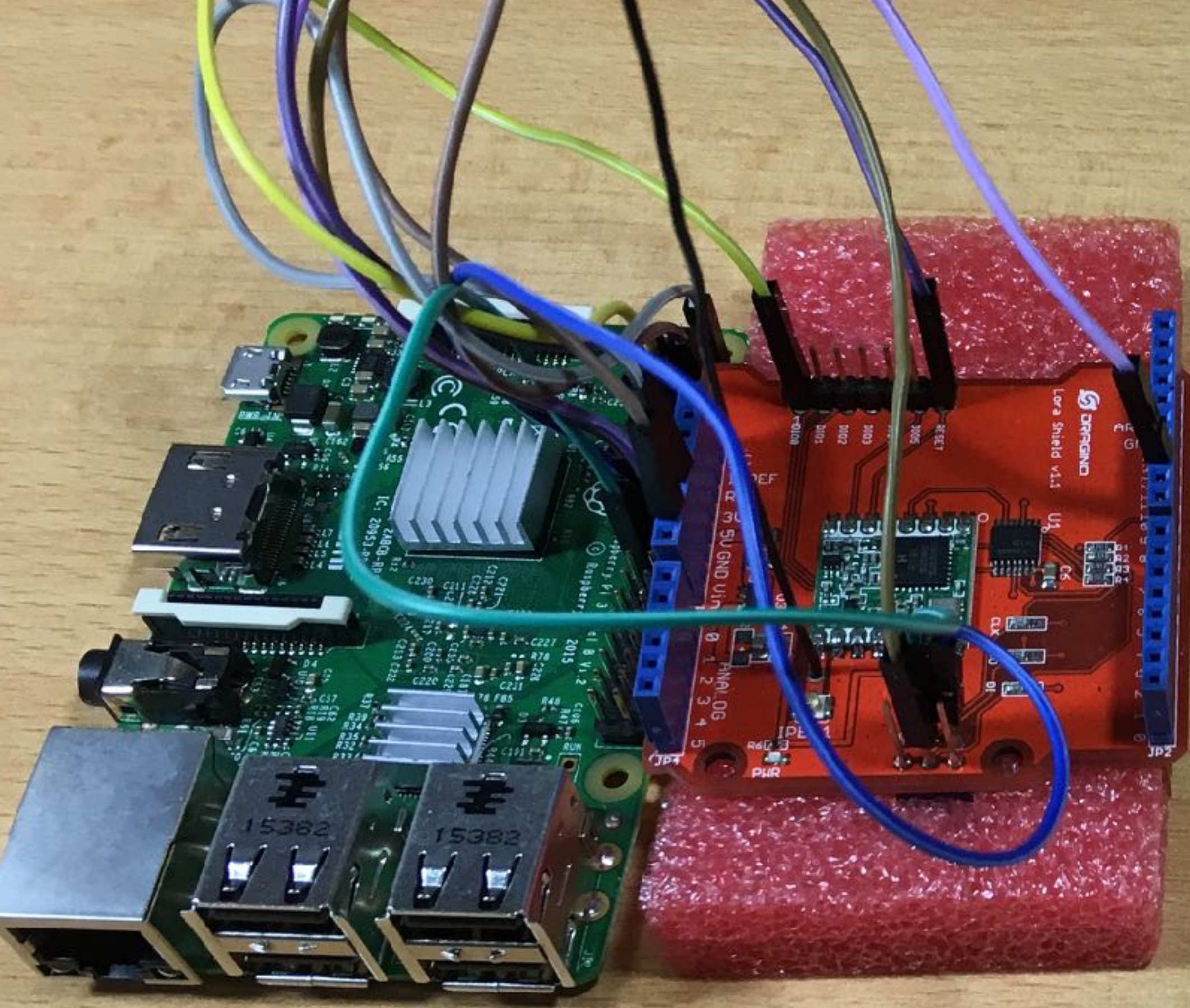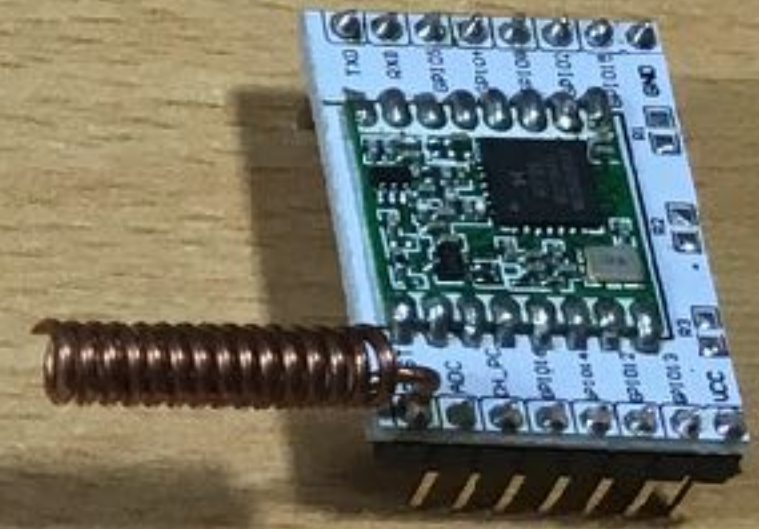
Test A
RSSI = -46

ANTENNA   TO   ANTENNA

DISTANCE   ~5 METER

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Test B
RSSI = -47

← ANTENNA TO ANTENNA DISTANCE ~5 METER →

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Test C
RSSI = -46

ANTENNA   TO   ANTENNA

DISTANCE   ~5 METER

mobilefish.com

Test D
RSSI = -63

ANTENNA TO ANTENNA

DISTANCE ~5 METER

mobilefish.com
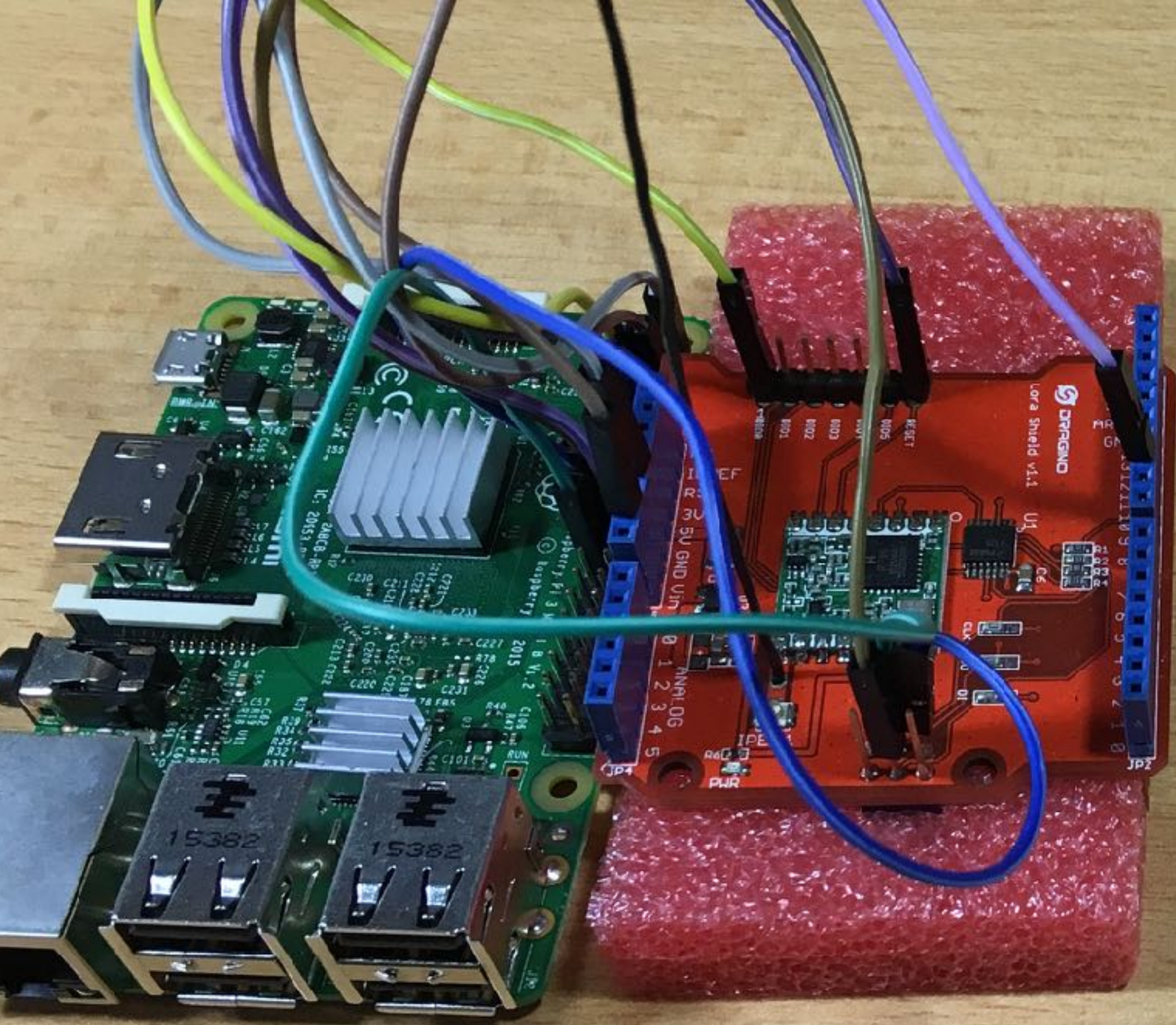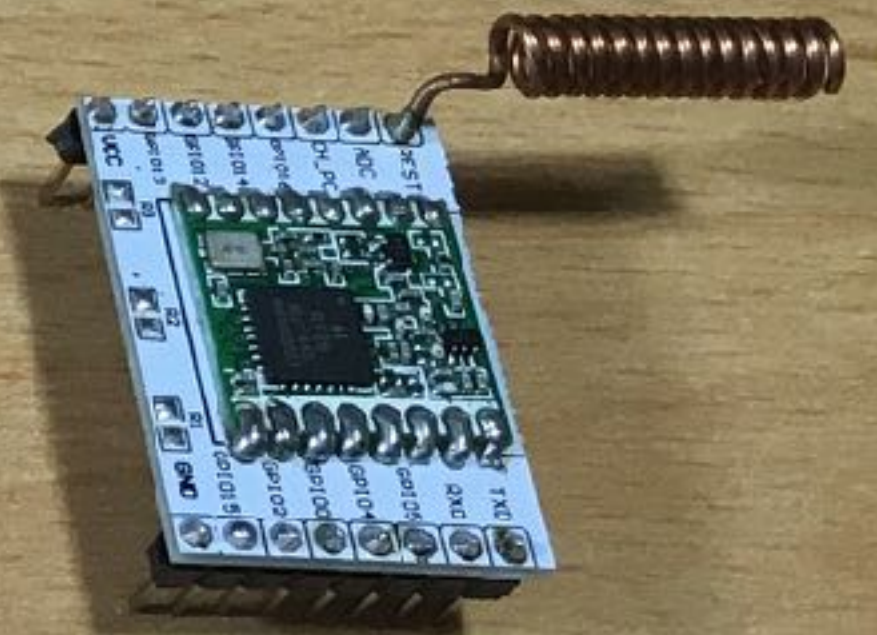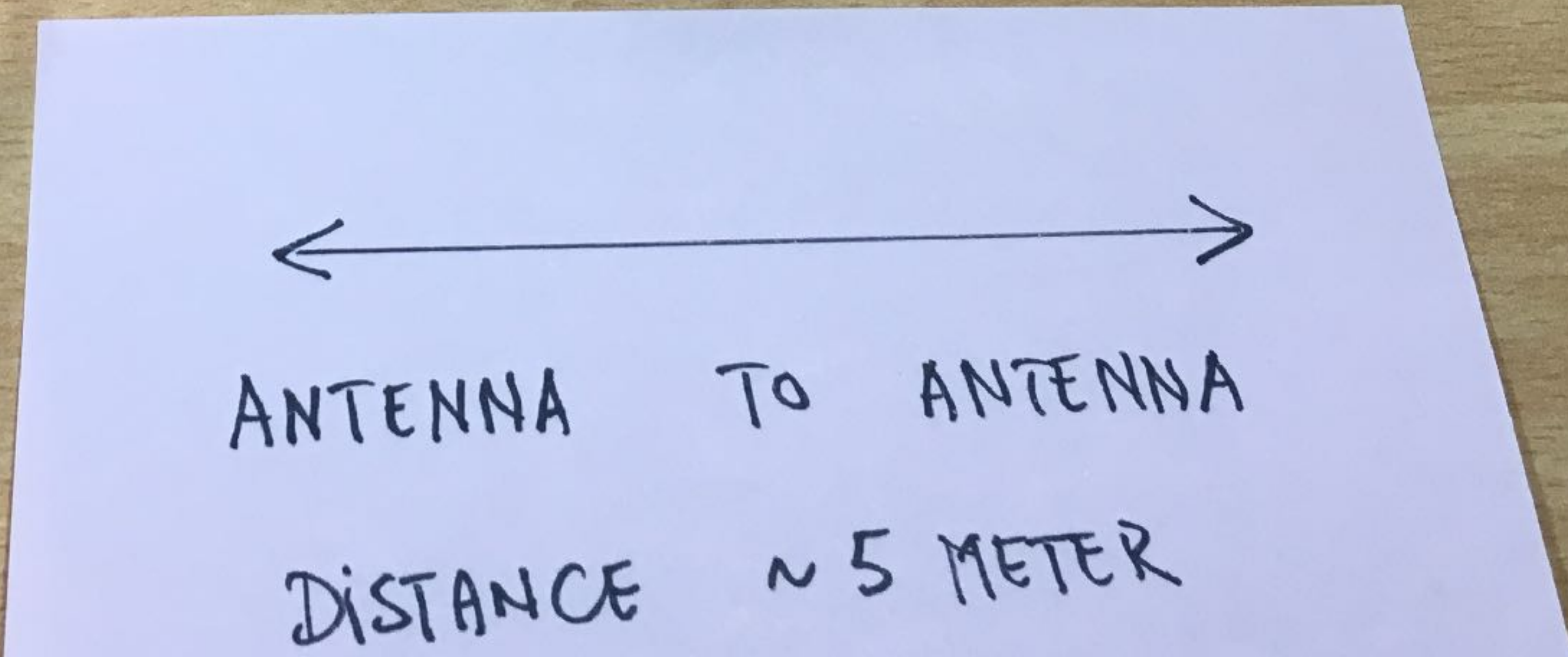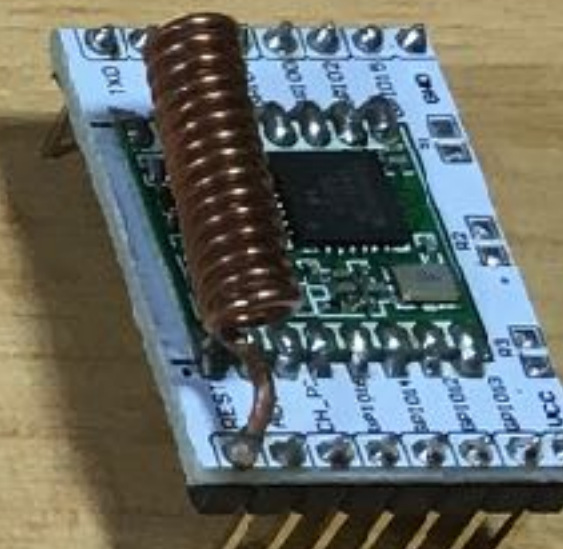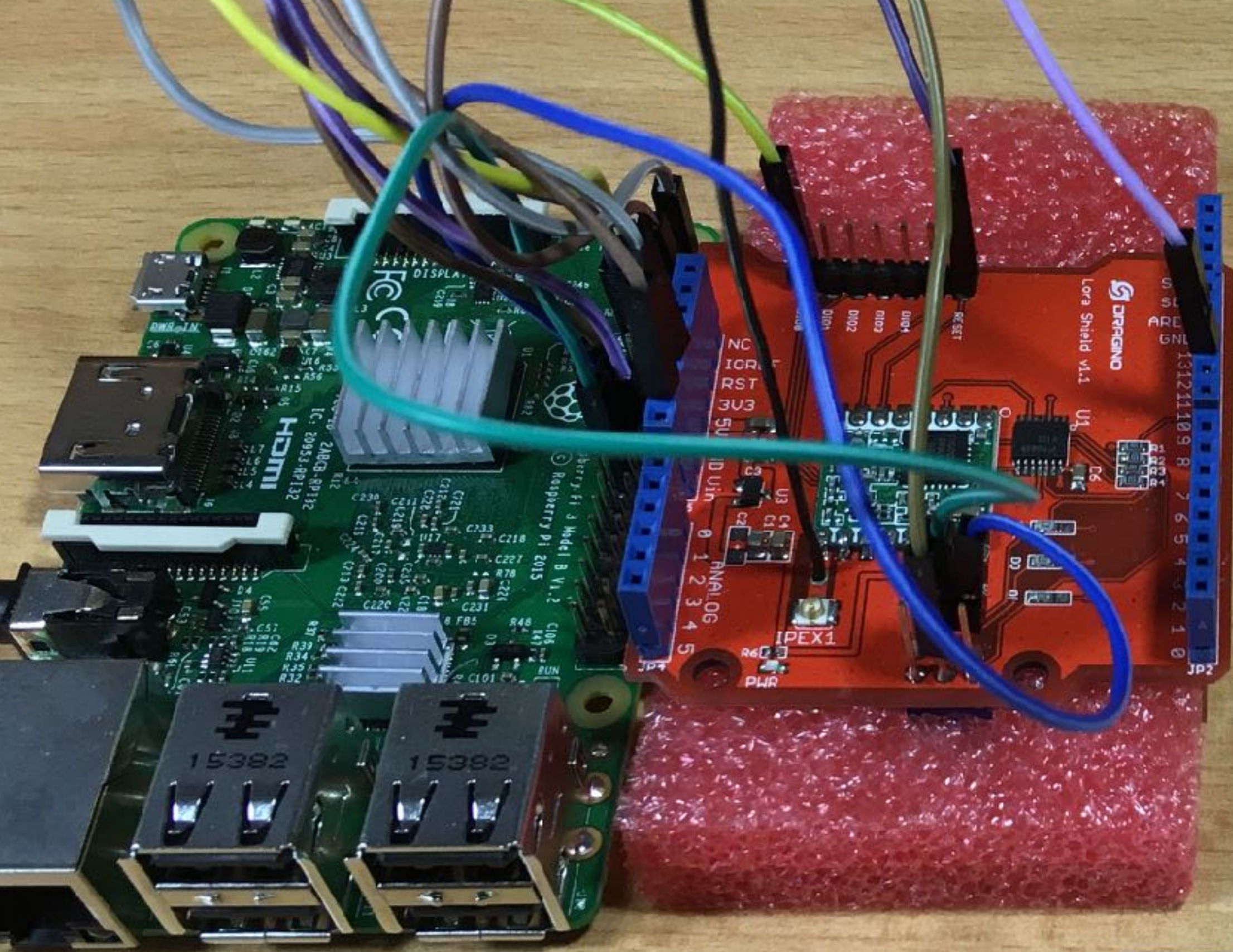
Test E
RSSI = -68

ANTENNA   TO   ANTENNA

DISTANCE   ~5 METER

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Test F
RSSI = -50

ANTENNA   TO   ANTENNA

DISTANCE   ~5 METER

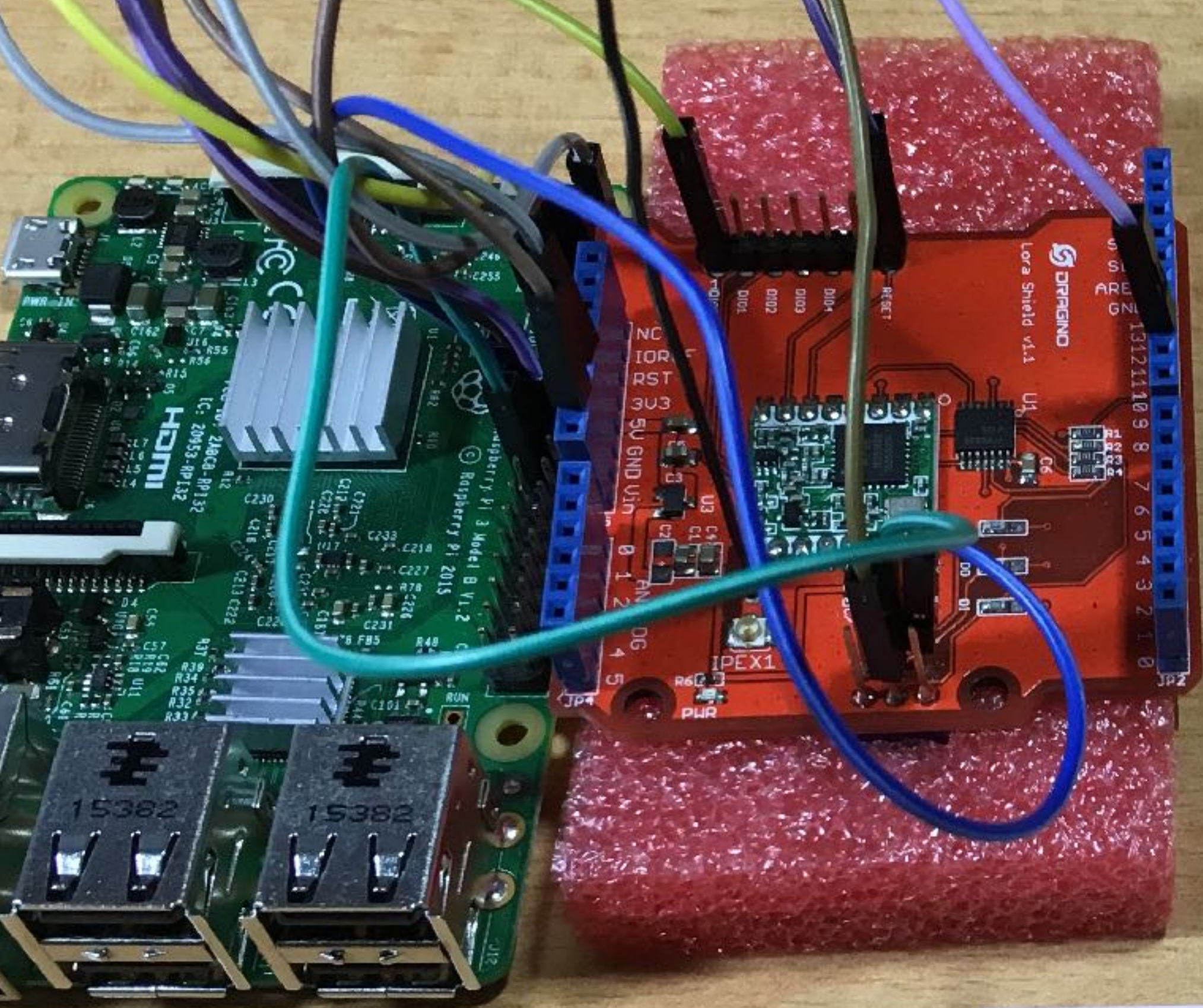# CONCLUSION

Test	Description	RSSI
A	LoRa node with coil antenna horizontally oriented, away from the LoRa module perpendicular to Gateway	**-46**
B	LoRa node with coil antenna horizontally oriented away from the LoRa module, pointing to Gateway	**-47**
C	LoRa node with coil antenna horizontally oriented away from the LoRa module, pointing away from Gateway	**-46**
D	LoRa node with coil antenna vertically oriented away from the LoRa module	**-63**
E	LoRa node with coil antenna horizontally oriented above the LoRa module	**-68**
F	LoRa node with wire antenna (86mm, 868Mhz)	**-50**

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CONCLUSION

RSSI = -68

Test E

RSSI = -50

Test F

RSSI = -46

Test A,B,C

RSSI = -63

Test D