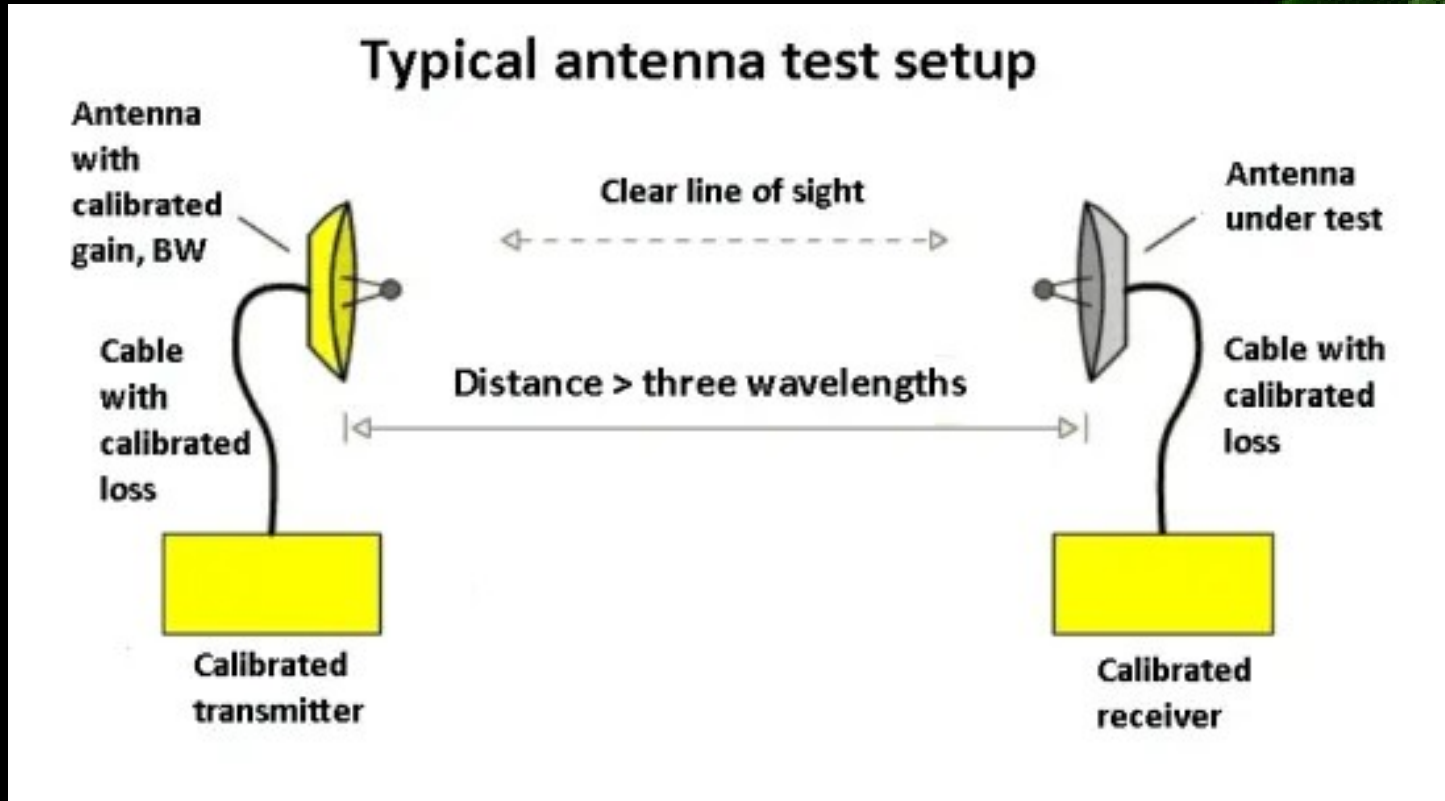
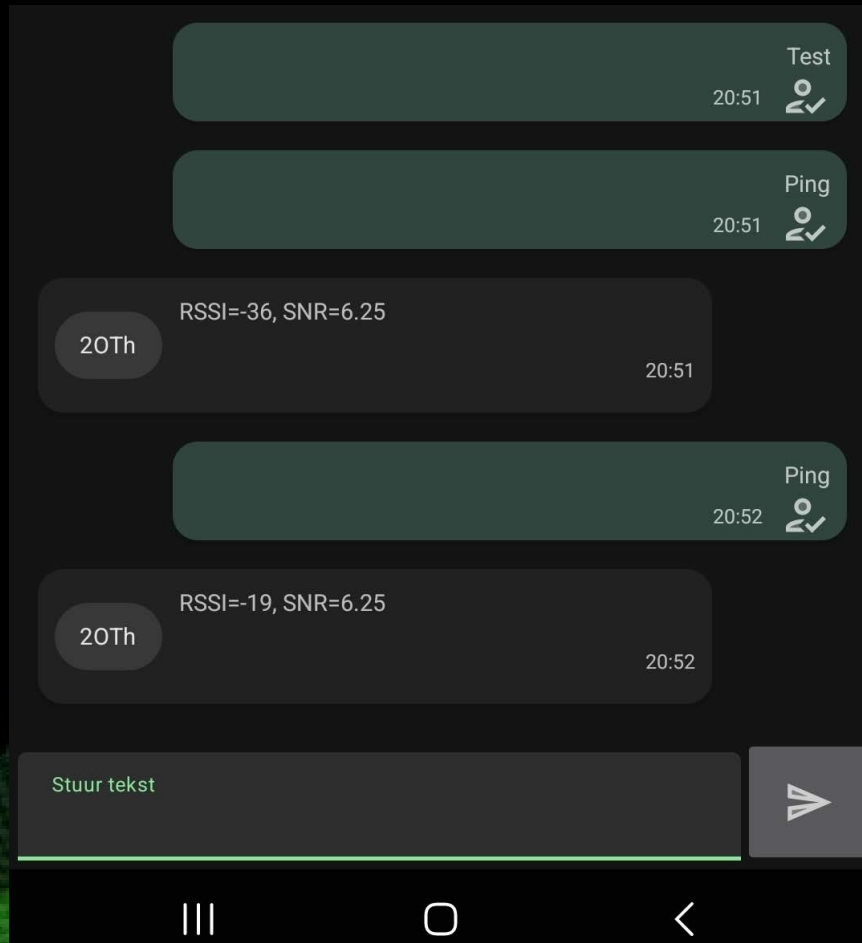


Meshtastic Ping



Meshtastic Ping



Meshtastic Ping

```
from pubsub import pub

import meshtastic
#import meshtastic.tcp_interface
import meshtastic.serial_interface

# simple arg check
if len(sys.argv) < 2:
    print(f"usage: {sys.argv[0]} host")
    sys.exit(1)

def onReceive(packet, interface): # pylint: disable=unused-argument
    """called when a packet arrives"""
    #print(f"Received: {packet}")

    # Check if the received packet is a message
    if 'decoded' in packet and packet['decoded']['portnum'] == 'TEXT_MESS
        message_bytes = packet['decoded']['payload']
        message_string = message_bytes.decode('utf-8')
        sender_id = packet['from']
        to_id = packet.get('to')
        to_node = packet.get('toId')
        sender_node_id = packet['fromId']
        rxRssi = packet['rxRssi']
        rxSnr = packet['rxSnr']
        print(f"Received from: {sender_node_id}, to: {to_node}, RSSI={rxR
        if message_string == 'Ping':
            print(f"Ping received")
```

```
Windows PowerShell
PS C:\MultiMedia\Projecten\Meshtastic_tests> python pub_sub_example_mod.py 192.168.1.150
Received from: !6057cf98, to: !da56b9d4, RSSI=-33, SNR=6.75, Payload=Test
Received from: !6057cf98, to: !da56b9d4, RSSI=-34, SNR=6.5, Payload=Ping
Ping received
```

Meshtastic Ping

```
ping_pong.log
File Edit View

2024-07-20 13:53:39 - INFO - Received from: !da56b9d4, RSSI=-37, SNR=11.75, Payload=Test
2024-07-20 13:53:49 - INFO - Received from: !da56b9d4, RSSI=-38, SNR=11.5, Payload=Ping bureau
2024-07-20 13:54:47 - INFO - Received from: !da56b9d4, RSSI=-37, SNR=12.0, Payload=Pong hjtgtgyg
2024-07-20 13:54:53 - INFO - Received from: !da56b9d4, RSSI=-38, SNR=12.25, Payload=Vgghtg
2024-07-20 13:55:01 - INFO - Received from: !da56b9d4, RSSI=-37, SNR=12.0, Payload=Jjjping
2024-07-20 13:55:09 - INFO - Received from: !da56b9d4, RSSI=-38, SNR=11.75, Payload=HhggPing test

Windows PowerShell
//\
// \esht/\st/c Ping

Utility to help when antenna testing. The idea is to setup a base station with this script.

Take your portable node in the field and send a private message to base. You'll receive the
RSSI and SNR back. Change antenna and repeat...

Ping starting using node : 192.168.1.101
TCP Interface setup for listening.
Connected to Meshtastic device 1616367512
Received from: !da56b9d4, RSSI=-37, SNR=12.0, Payload=Pong hjtgtgyg
Received from: !da56b9d4, RSSI=-38, SNR=12.25, Payload=Vgghtg
Received from: !da56b9d4, RSSI=-37, SNR=12.0, Payload=Jjjping
Received from: !da56b9d4, RSSI=-38, SNR=11.75, Payload=HhggPing test
    Ping received, sending Your signal : RSSI= -38, SNR= 11.75
Script terminated by user
PS C:\MultiMedia\Projecten\Meshtastic_tests> |
```