

# **Appendix 1**

## **Test Results**

Tx frequency: 2471MHz

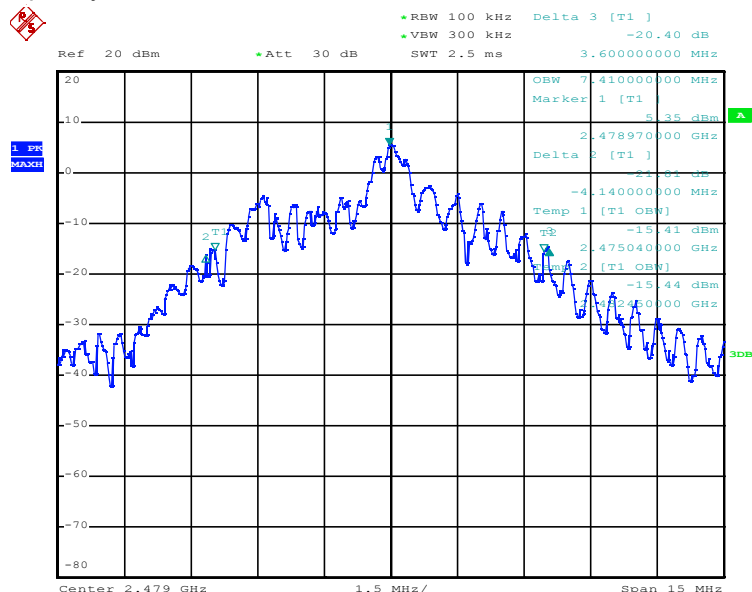


The screenshot shows a Spectrum Analyzer interface with a blue trace representing a noisy signal. The horizontal axis (frequency) ranges from 2.465 GHz to 2.485 GHz, with a center frequency of 2.475 GHz and a span of 15 MHz. The vertical axis (power) ranges from -80 dBm to 20 dBm. A prominent peak is visible at 2.475 GHz, reaching approximately -5 dBm. The signal is characterized by high-frequency noise and a lower-frequency modulation. The interface includes a top status bar with parameters: RBW 100 kHz, Delta 3 [T1], VBW 300 kHz, -23.72 dB, and SWT 2.5 ms. A right-hand panel displays various measurements: OBW 7.350000000 MHz, Marker 1 [T1] at 5.31 dBm, Delta 2 [T1] at -23.82 dB, Temp 1 [T1 OBW] at -4.350000000 MHz, T2 at -14.47 dBm, T3 at 3.247110000 GHz, T4 at -16.45 dBm, and T5 at 4.450000000 GHz. A bottom status bar shows Center 2.475 GHz, 1.5 MHz/ (sweep rate), and Span 15 MHz. A small red icon is in the top left corner, and a blue icon is in the top right corner.

| Parameter       | Value            |
|-----------------|------------------|
| RBW             | 100 kHz          |
| Delta 3 [T1]    |                  |
| VBW             | 300 kHz          |
| -23.72 dB       |                  |
| SWT             | 2.5 ms           |
| OBW             | 7.350000000 MHz  |
| Marker 1 [T1]   | 5.31 dBm         |
| Delta 2 [T1]    | -23.82 dB        |
| Temp 1 [T1 OBW] | -4.350000000 MHz |
| T2              | -14.47 dBm       |
| T3              | 3.247110000 GHz  |
| T4              | -16.45 dBm       |
| T5              | 4.450000000 GHz  |

Date: 12.APR.2022 08:02:07

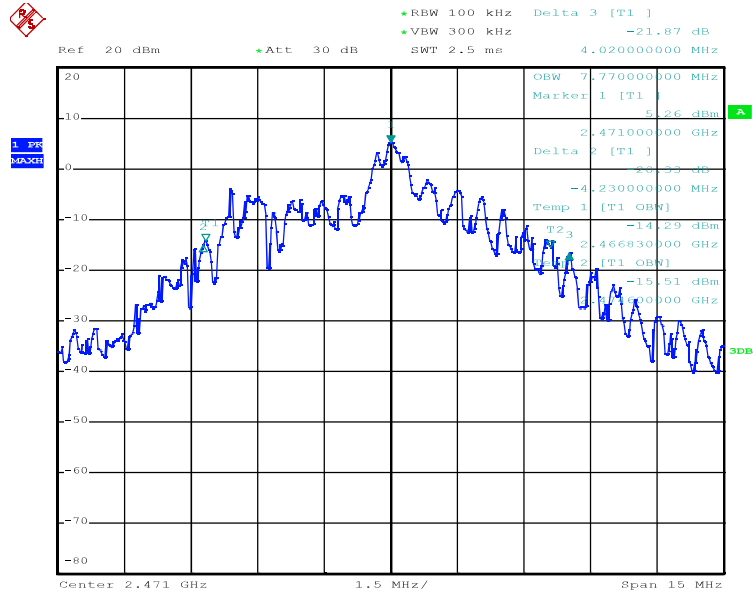
Tx frequency: 2479MHz



Date: 12.APR.2022 08:04:55

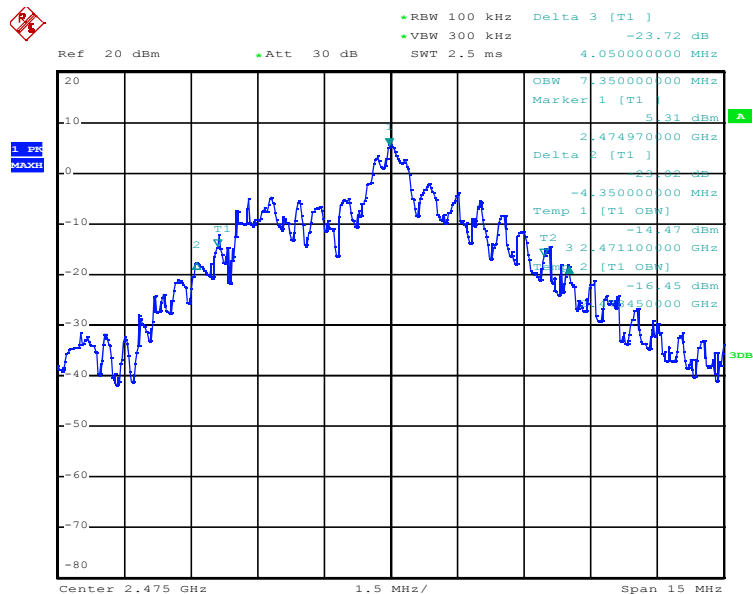
## 99% Bandwidth

Tx frequency: 2471MHz



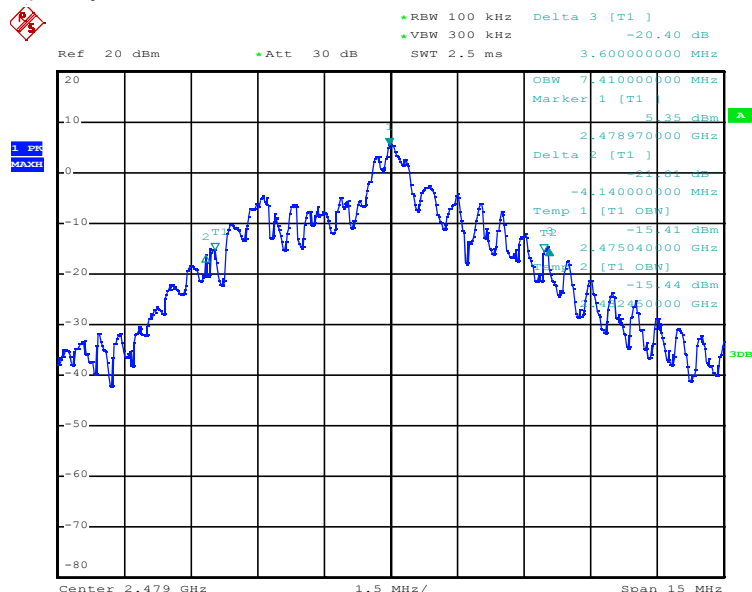
Date: 12.APR.2022 08:08:04

Tx frequency: 2475MHz



Date: 12.APR.2022 08:02:07

Tx frequency: 2479MHz



Date: 12.APR.2022 08:04:55