

Exhibit M:

L5X-PMP-01-240

Measured Frequency Stability

This Exhibit provides a response to Section 2.1055, based on the requirements specified in Section 101.107.

(a)The frequency stability shall be measured with variation of ambient temperature as follows:

(1) From –30 degrees to +50 degrees centigrade...

P-COM Test Results for Sector Terminal Outdoor Unit Frequency Stability

Purpose: Long-term frequency stability of the Sector ODU is compliant to product specifications at room and elevated temperatures. This test is conducted at RF.

Pass Criteria: Based on measurements every 15 minutes over a 45 minute period, the frequency deviation shall be within ± 1 ppm.

Test Environment: **P-COM Engineering Laboratory.**

Equipment: **One Sector Terminal, Frequency Counter (HP 53152A), Environmental Chamber.**

Sector Terminal Outdoor Unit Tests Results

Test Frequency: 25.055 GHz

Test Time	Temperature	Measured Frequency (GHz)
0 min.	Room Temp	25.0550075
15 min.		25.0550075
30 min.		25.0550075
45 min.		25.0550075
0 min.	-30°C	25.0550076
15 min.		25.0550076
30 min.		25.0550076
45 min.		25.0550075
0 min.	50°C	25.0550075
15 min.		25.0550074
30 min.		25.0550074
45 min.		25.0550074

- ❑ Measured frequency deviation from Test Freq. at -30°C: +7.6 KHz
- ❑ Measured frequency deviation from Test Freq. at Room Temp°C: +7.5 KHz
- ❑ Measured frequency deviation from Test Freq. at +50°C: +7.5 KHz
- ❑ Measured frequency drift across full temperature range): 0.20 KHz

Test Setup Diagram

Frequency Stability – Sector Outdoor Unit

