

## Exhibit M:

**L5X-PMP-01-280**

### **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  $\pm 1$  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: 27,500 MHz

Test Time	Temperature	Measured Frequency
0 min.	Room Temp	27,500,013,050
15 min.		27,500,012,980
30 min.		27,500,013,082
45 min.		27,500,013,110
0 min.	-30°C	27,500,013,270
15 min.		27,500,013,330
30 min.		27,500,013,060
45 min.		27,500,013,050
0 min.	50°C	27,500,013,000
15 min.		27,500,012,930
30 min.		27,500,012,920
45 min.		27,500,013,080

- Measured frequency deviation from Test Freq. at -30°C: +13.33 KHz
- Measured frequency deviation from Test Freq. at +0°C: +13.27 KHz
- Measured frequency deviation from Test Freq. at +50°C: +13.08 KHz
- Measured frequency drift across full temperature range): 410 Hz

## Test Setup Diagram

Frequency Stability – Sector Outdoor Unit

