

ANTENNA AND TOWER ROUTINE INSPECTION

SITE NAME – Bellingham C.O.

SITE LOCATION – Bellingham, WA.

SITE CLLI – BMLMWA01

DATE – 10/29/2019

INSPECTED BY – Root / Hogue

Antenna and Tower Routine Inspection

1. Tower - Structure

| Inspect | OK | Dev. | NA |
|--|-----|------|-----|
| Nuts and bolts for tightness. | _x_ | ___ | ___ |
| Guy wire for proper tension | ___ | ___ | _x_ |
| Guy wire condition – Fraying, broken, etc | ___ | ___ | _x_ |
| Condition of concrete footings. (Cracking, settling & etc.) | _x_ | ___ | ___ |
| Paint - Fading, peeling, etc. | _x_ | ___ | ___ |
| Ladders & steps - safe and secure | _x_ | ___ | ___ |
| Safety climbing device - safe and secure | ___ | ___ | _x_ |
| Grounding and lightning protection - satisfactory | _x_ | ___ | ___ |
| Structural units – damaged or missing | _x_ | ___ | ___ |
| Tower lighting - operating correctly | ___ | ___ | _x_ |

2. Antenna & Waveguide

| | | | |
|---|-----|-----|-----|
| Waveguide - properly supported | _x_ | ___ | ___ |
| Flex waveguide - good condition | _x_ | ___ | ___ |
| Connector Heads - sealed properly | _x_ | ___ | ___ |
| Flex waveguide jumpers – correctly placed | _x_ | ___ | ___ |
| Antenna nut and bolts – tight and secure | _x_ | ___ | ___ |
| Antenna mount – tight and secure | _x_ | ___ | ___ |
| Azimuth and stiff arms – tight and secure | _x_ | ___ | ___ |
| Antenna covers – good condition | _x_ | ___ | ___ |
| Waveguide hatch – sealed and grounded | _x_ | ___ | ___ |

Note: If any Deviations are found explain in detail in notes section.

Antenna and Tower routine inspection

3. Air Pressure

| Inspect | OK | DEV. | NA |
|---|------------|------|------------|
| Dehydrator Manifold – installed properly | <u>_x_</u> | ___ | ___ |
| Pressure – correct for antenna and system | <u>_x_</u> | ___ | ___ |
| Waveguide system – tight – no air leaks | <u>_x_</u> | ___ | ___ |
| Pressure alarm switches – installed and functioning | <u>_x_</u> | ___ | ___ |
| Horn antennas – water traps and proper pressure | ___ | ___ | <u>_x_</u> |

4. Environment

| | | | |
|---|------------|-----|-----|
| Path obstructions - Trees, shrubs, weeds and buildings. | <u>_x_</u> | ___ | ___ |
| Security - Gates, fences and doors secure. | <u>_x_</u> | ___ | ___ |
| General appearance – Weeds, Trash & etc. | <u>_x_</u> | ___ | ___ |

5. Deviations notes, exceptions and recommendations

Explain in detail:

