## BEFORE INDEPENDENT COMMISSIONERS PORIRUA CITY COUNCIL

IN THE MATTER OF

the Proposed Porirua District Plan

AND

Titahi Bay Amateur Radio Club

Incorporated

(Submitter)

# MEMORANDUM FOR SUBMITTER IN RESPONSE TO MINUTE 30-AMATEUR RADIO FOLLOW UP

1. I have been provided with the following dimensions of the four Yagi aerials visited by Commissioners during their site visit on 17 March:

#### Brader Property- 1359 Paekakariki Hill Road, Paekakariki

HF Antenna 1: 20 m Band 6 element Yagi on steel lattice tower

Height of support structure: 14m above ground

Length of Boom: 11m Length of Elements:

Reflector (Longest element): 13.8m

Driven element and Director: Lengths not readily available

HF Antenna 2: 10 m Band 5 element Yagi on steel tower

Height of support structure: 10m above ground

Length of Boom: 8.5m Length of Elements:

Reflector (Longest element): 4.9m

Driven element and Director: Lengths not readily available

#### Johnson Property- 46 Pope Street, Cambourne, Porirua

Height of support structure: 14.75m above ground to boom connection

Length of Boom: 3.90m Length of Elements:

Reflector (20m band, longest): 11.10m

Driven element: (10m band, shortest): 4.90m

Reflector and Driven element pairs for 5 bands x 2 elements – not able to

extract these lengths from the pdf information available.

### Lake Property-12 Brasenose Place, Redwood, Tawa

Height of support structure: 5m above ground-level on sloping bank (being length of metal pipe to boom connection)

Length of Boom: 3.95m Length of Elements:

Reflector: 8.95m Driven element: 8.4m Director: 7.65m

- 2. If required, my client can make further enquiries regarding the lengths of those reflector and driven elements that are difficult to establish. It will just take a little more time.
- 3. It is noted that the elements and boom lengths of aerials viewed, generally exceed the 7m x 7m limit now being advanced as a permitted activity in residential zones.
- 4. To assist, and for the avoidance of doubt (noting paragraphs 1.10-1.14 of my supplementary submission dated 21 February), this approach is a 'compromise' which recognises amenity considerations while potentially eliminating licencees access to some bands or as a minimum reducing performance on some bands.
- However, it is considered this can provide a workable (manageable) outcome having regard to the nature of the activities conducted by licencees within the Amateur Radio network.

DATED this 29th day of March 2022

Andrew Cameron