

LOT 011JAA

1. Particulars of transmitter to which this licence relates.

(a) Location of transmitter:

Site Name: Penninsula Hill
 Map: NZMS 1-S132
 Grid Reference: 607691
 Altitude: 844 m Above Sea Level

(b) Frequency on which transmissions are permitted by this licence: 543.25 MHz

(c) Maximum power of emissions permitted under this licence: 35 dBW (e.i.r.p.)

(d) Maximum bandwidth of emissions permitted under this licence:

- Not more than 6.75 MHz above the frequency to which this licence relates.
- Not more than 1.25 MHz below the frequency to which this licence relates.

(e) Unwanted emission limits applying to emissions from the transmitter (expressed as maximum e.i.r.p. (in dBW) of such emissions):

(i) Limits applying to frequencies below the frequency to which this licence relates:

-50 dBW at 510 MHz to -43 dBW at 513 MHz.
 -43 dBW at 513 MHz to -43 dBW at 537 MHz.
 -43 dBW at 537 MHz to 5 dBW at 542 MHz.

(ii) Limits applying to frequencies above the frequency to which this licence relates:

5 dBW at 550 MHz to -43 dBW at 553 MHz.
 -43 dBW at 553 MHz to -43 dBW at 809 MHz.

[Note: The unwanted emission limits applicable to frequencies within each specified range shall be determined in accordance with the following formula:

$$y = mx + C$$

where - $y = \text{dBW}$, $x = \text{MHz}$, $m = \frac{dy}{dx}$
 $C = \text{the value of } y \text{ where } x = 0 \text{ (the } y \text{ intercept)}$]

(f) Class of emissions permitted under this licence:

6M25C3F/750KF3EGN