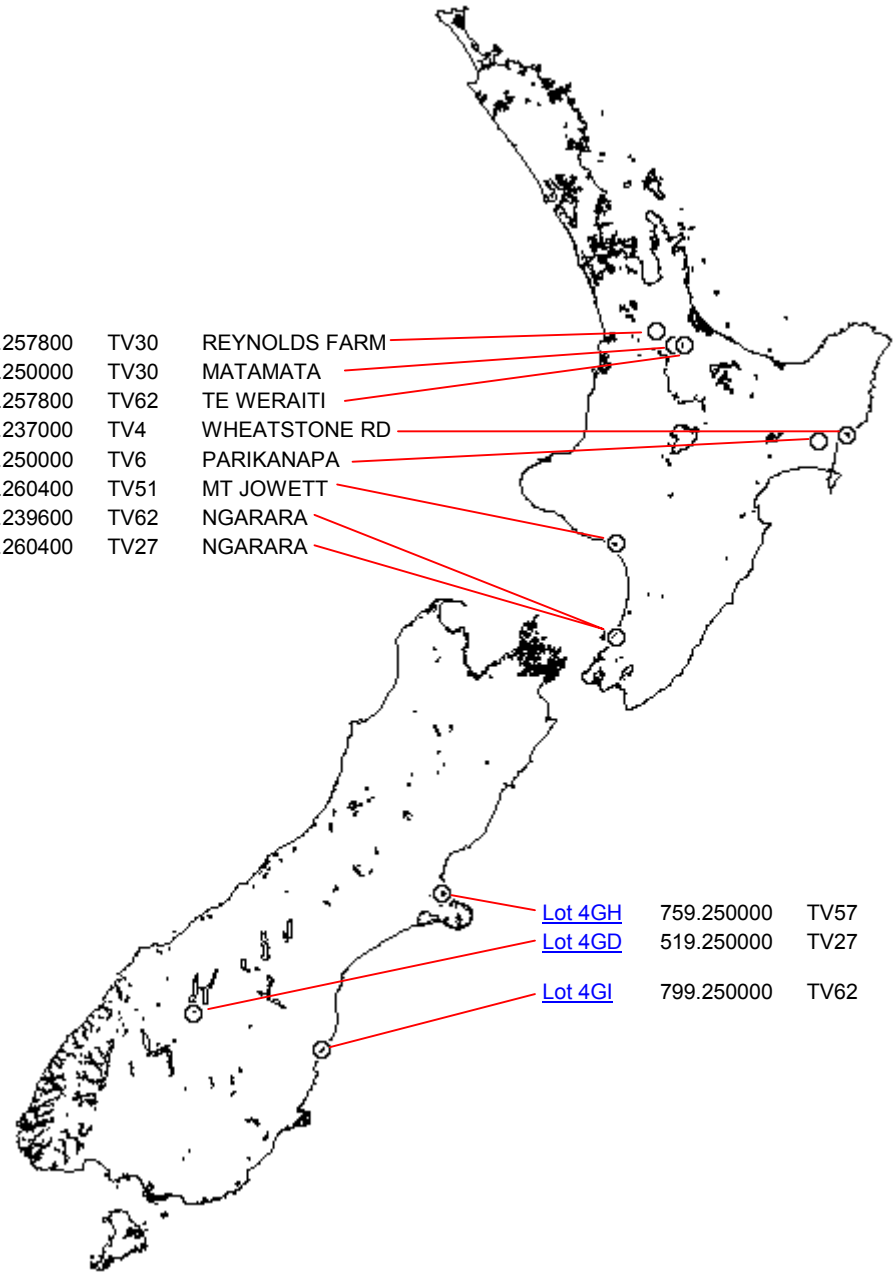
Schedule 4 - Analogue Television

Lot Number	Location	Frequency (MHz)
4GA	Wheatstone Rd	175.2370
4GB	Parikanapa	189.2500
4GC	Ngarara	519.2604
4GD	Wanaka (Mt Aspiring College)	519.2500
4GE	Matamata	543.2500
4GF	Reynolds Farm	543.2578
4GG	Mt Jowett	711.2604
4GH	New Brighton	759.2500
4GI	Oamaru	799.2500
4GJ	Te Weraiti	799.2578
4GK	Ngarara	799.2396

Schedule 4 - Analogue Television



Lot 4GF	543.257800	TV30	REYNOLDS FARM
Lot 4GE	543.250000	TV30	MATAMATA
Lot 4GJ	799.257800	TV62	TE WERAITI
Lot 4GA	175.237000	TV4	WHEATSTONE RD
Lot 4GB	189.250000	TV6	PARIKANAPA
Lot 4GG	711.260400	TV51	MT JOWETT
Lot 4GK	799.239600	TV62	NGARARA
Lot 4GC	519.260400	TV27	NGARARA

Lot 4GH	759.250000	TV57	NEW BRIGHTON
Lot 4GD	519.250000	TV27	WANAKA (MT ASPIRING COLLEGE)
Lot 4GI	799.250000	TV62	OAMARU

Return to Map

SCHEDULE

Details of spectrum licence:

1. The commencement date of this licence is: 1 January 2004
2. The expiry date of this licence is: 30 August 2015

3. The frequencies that apply to this licence are as follows:
   (a) the characteristic frequency is: 175.237000 MHz
   (b) the frequency band is: 173.987000 MHz to 180.987000 MHz

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

   (a) Limits applying to frequencies below the lower boundary frequency:

   -50.0 dBW at 166.475000 MHz to -34.0 dBW at 169.475000 MHz

   (b) Limits applying to frequencies above the upper boundary frequency:

   6.0 dBW at 180.987000 MHz to 6.0 dBW at 181.347000 MHz
   6.0 dBW at 181.347000 MHz to -4.0 dBW at 181.347000 MHz
   -4.0 dBW at 181.347000 MHz to -34.0 dBW at 183.987000 MHz
   -34.0 dBW at 183.987000 MHz to -34.0 dBW at 233.025000 MHz
   -34.0 dBW at 233.025000 MHz to -50.0 dBW at 237.525000 MHz

[Note: The unwanted emission limits applicable to frequencies within each specified range must be determined in accordance with the following formula: $y = mx + C$

where y = dBW, x = MHz, m = dy/dx C = the value of y where x = 0 (the y intercept).]

5. The maximum power, designation of emissions, and horizontal radiation pattern permitted under this licence are as follows:
   (a) maximum power of emissions: 26.0 dBW eirp
   (b) designation of emissions: 500KG2E
   6M25C3F
   750KF3EGN
   (c) horizontal radiation pattern of antenna: [maximum e.i.r.p. (in dBW) per sector (in degrees relative to true North)]:

   000.0 degrees up to 020.0 degrees: 16.0 dBW
   020.0 degrees up to 060.0 degrees: 11.0 dBW
   060.0 degrees up to 080.0 degrees: 16.0 dBW
   080.0 degrees up to 180.0 degrees: 18.0 dBW
   180.0 degrees up to 220.0 degrees: 16.0 dBW
   220.0 degrees up to 230.0 degrees: 18.0 dBW
   230.0 degrees up to 250.0 degrees: 22.0 dBW
   250.0 degrees up to 260.0 degrees: 24.0 dBW
   260.0 degrees up to 320.0 degrees: 26.0 dBW
   320.0 degrees up to 330.0 degrees: 24.0 dBW
   330.0 degrees up to 350.0 degrees: 22.0 dBW
   350.0 degrees up to 360.0 degrees: 18.0 dBW

6. The location of the transmitter, the antenna polarisation, and the antenna height are as follows:

(a) the location of the transmitter:

Map	Easting	Northing	Altitude	Site Name
NZMS260 Y18	509.00	682.00	160 m	WHEATSTONE RD

(b) the antenna polarisation is: Horizontal
(c) the antenna height is: 7.0 metres above ground level

7. The protection location or locations or protection area that apply under this licence are described as follows:

(a),(b) the protected location or locations or protection area and the maximum permitted interfering signal that apply to those location(s) are:

Map	Easting	Northing	Site Name	Maximum Permitted Interfering Signals
NZMS260 Y18	435.00	704.00	GISBORNE AIRPORT RCL	31 dBµV/m
NZMS260 Y18	382.00	606.00	MURIWAI RCL	22 dBµV/m
NZMS260 Y18	356.00	748.00	PATUTAHI RCL	25 dBµV/m

8. The authorities that apply to this licence are as follows:
(a) this licence may be transferred by the RightHolder acting alone.
(b) this licence may be cancelled by the RightHolder acting alone.
(c) this licence may be modified by agreement between the Manager and the RightHolder.

9. The conditions applying to the exercise of the rightholder's rights under this licence are:

The rightholder shall not transfer the rightholder's interest in this licence to any foreign government, or to any party on behalf of any foreign government, without first obtaining the written approval of the Chief Executive of the Ministry of Economic Development.

Maximum permitted interfering signals shall be measured at a height of 10 metres above ground level.

Vision and sound frequencies shall be maintained within +/- 500Hz of the nominal carrier frequency.

The rightholder shall transmit a video signal comforming to the Phase Alternating Line (PAL) System B standard as described in ITU-R Report 624-4

The rightholder may transmit a signal conforming to the Nicam 728 standard (Nicam Transmission)

The Chief Executive or any inspector duly authorised by him shall be granted by the licenceholder at all reasonable times entry to any place, premises or building for the purposes of ensuring compliance with this licence.

Return to Map

SCHEDULE

Details of spectrum licence:

1. The commencement date of this licence is: 1 January 2004
2. The expiry date of this licence is: 30 August 2015

3. The frequencies that apply to this licence are as follows:
   (a) the characteristic frequency is: 189.250000 MHz
   (b) the frequency band is: 188.000000 MHz to 195.000000 MHz

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

   (a) Limits applying to frequencies below the lower boundary frequency:

-50.0 dBW at 166.475000 MHz	to	-30.0 dBW at 170.975000 MHz
-30.0 dBW at 170.975000 MHz	to	-30.0 dBW at 185.000000 MHz
-30.0 dBW at 185.000000 MHz	to	0.0 dBW at 188.000000 MHz

   (b) Limits applying to frequencies above the upper boundary frequency:

10.0 dBW at 195.000000 MHz	to	10.0 dBW at 195.360000 MHz
10.0 dBW at 195.360000 MHz	to	0.0 dBW at 195.360000 MHz
0.0 dBW at 195.360000 MHz	to	-30.0 dBW at 198.000000 MHz
-30.0 dBW at 198.000000 MHz	to	-30.0 dBW at 233.025000 MHz
-30.0 dBW at 233.025000 MHz	to	-50.0 dBW at 237.525000 MHz

   [Note: The unwanted emission limits applicable to frequencies within each specified range must be determined in accordance with the following formula: $y = mx + C$

   where y = dBW, x = MHz, $m = dy/dx$ C = the value of y where $x = 0$ (the y intercept).]

5. The maximum power, designation of emissions, and horizontal radiation pattern permitted under this licence are as follows:
   (a) maximum power of emissions: 30.0 dBW eirp
   (b) designation of emissions: 500KG2E
   6M25C3F
   750KF3EGN
   (c) horizontal radiation pattern of antenna: [maximum e.i.r.p. (in dBW) per sector (in degrees relative to true North)]:

   000.0 degrees up to 015.0 degrees: 20.0 dBW
   015.0 degrees up to 030.0 degrees: 24.0 dBW
   030.0 degrees up to 045.0 degrees: 27.0 dBW
   045.0 degrees up to 115.0 degrees: 30.0 dBW
   115.0 degrees up to 130.0 degrees: 27.0 dBW
   130.0 degrees up to 145.0 degrees: 24.0 dBW
   145.0 degrees up to 165.0 degrees: 20.0 dBW
   165.0 degrees up to 180.0 degrees: 10.0 dBW
   180.0 degrees up to 340.0 degrees: 13.0 dBW
   340.0 degrees up to 355.0 degrees: 10.0 dBW
   355.0 degrees up to 360.0 degrees: 20.0 dBW

6. The location of the transmitter, the antenna polarisation, and the antenna height are as follows:

(a) the location of the transmitter:

Map	Easting	Northing	Altitude	Site Name
NZMS260 X18	190.00	622.00	695 m	PARIKANAPA

(b) the antenna polarisation is: Horizontal
(c) the antenna height is: 8.0 metres above ground level

7. The protection location or locations or protection area that apply under this licence are described as follows:

(a),(b) the protected location or locations or protection area and the maximum permitted interfering signal that apply to those location(s) are:

Map	Easting	Northing	Site Name	Maximum Permitted Interfering Signals
NZMS260 Y18	435.00	704.00	GISBORNE AIRPORT	25 dBµV/m
NZMS260 Y18	431.00	758.00	HEXTON CROSSROADS	24 dBµV/m

8. The authorities that apply to this licence are as follows:
(a) this licence may be transferred by the RightHolder acting alone.
(b) this licence may be cancelled by the RightHolder acting alone.
(c) this licence may be modified by agreement between the Manager and the RightHolder.

9. The conditions applying to the exercise of the rightholder's rights under this licence are:

The rightholder shall not transfer the rightholder's interest in this licence to any foreign government, or to any party on behalf of any foreign government, without first obtaining the written approval of the Chief Executive of the Ministry of Economic Development.

Maximum permitted interfering signals shall be measured at a height of 10 metres above ground level.

Vision and sound frequencies shall be maintained within +/- 500Hz of the nominal carrier frequency.

The rightholder shall transmit a video signal comforming to the Phase Alternating Line (PAL) System B standard as described in ITU-R Report 624-4

The rightholder may transmit a signal conforming to the Nicam 728 standard (Nicam Transmission)

The Chief Executive or any inspector duly authorised by him shall be granted by the licenceholder at all reasonable times entry to any place, premises or building for the purposes of ensuring compliance with this licence.

Return to Map

SCHEDULE

Details of spectrum licence:

1. The commencement date of this licence is: 1 January 2004
2. The expiry date of this licence is: 11 March 2010

3. The frequencies that apply to this licence are as follows:
   (a) the characteristic frequency is: 519.260400 MHz
   (b) the frequency band is: 518.010400 MHz to 526.010400 MHz

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

   (a) Limits applying to frequencies below the lower boundary frequency:

   -50.0 dBW at 510.000000 MHz to -43.0 dBW at 513.000000 MHz
   -43.0 dBW at 513.000000 MHz to -43.0 dBW at 513.010400 MHz
   -43.0 dBW at 513.010400 MHz to 4.0 dBW at 518.010400 MHz

   (b) Limits applying to frequencies above the upper boundary frequency:

   4.0 dBW at 526.010400 MHz to -43.0 dBW at 529.010400 MHz
   -43.0 dBW at 529.010400 MHz to -43.0 dBW at 809.000000 MHz

   [Note: The unwanted emission limits applicable to frequencies within each specified range must be determined in accordance with the following formula: $y = mx + C$

   where y = dBW, x = MHz, $m = dy/dx$ C = the value of y where $x = 0$ (the y intercept).]

5. The maximum power, designation of emissions, and horizontal radiation pattern permitted under this licence are as follows:

   (a) maximum power of emissions: 34.0 dBW eirp
   (b) designation of emissions: 500KG2E
   6M25C3F
   750KF3EGN
   (c) horizontal radiation pattern of antenna: [maximum e.i.r.p. (in dBW) per sector (in degrees relative to true North)]:

   000.0 degrees up to 020.0 degrees: 34.0 dBW
   020.0 degrees up to 060.0 degrees: 14.0 dBW
   060.0 degrees up to 360.0 degrees: 34.0 dBW

6. The location of the transmitter, the antenna polarisation, and the antenna height are as follows:

   (a) the location of the transmitter:

Map	Easting	Northing	Altitude	Site Name
NZMS260 R26	830.00	374.00	30 m	NGARARA

   (b) the antenna polarisation is: Horizontal
   (c) the antenna height is: 37.0 metres above ground level

7. The protection location or locations or protection area that apply under this licence are described as follows:

(a),(b) the protected location or locations or protection area and the maximum permitted interfering signal that apply to those location(s) are:

Map	Easting	Northing	Site Name	Maximum Permitted Interfering Signals
NZMS260 R26	837.00	396.00	PEKAPEKA RCL	49 dBµV/m
NZMS260 R26	811.00	359.00	WAIKANAE GOLF COURSE RCL	49 dBµV/m

8. The authorities that apply to this licence are as follows:
(a) this licence may be transferred by the RightHolder acting alone.
(b) this licence may be cancelled by the RightHolder acting alone.
(c) this licence may be modified by agreement between the Manager and the RightHolder.

9. The conditions applying to the exercise of the rightholder's rights under this licence are:

The rightholder shall not transfer the rightholder's interest in this licence to any foreign government, or to any party on behalf of any foreign government, without first obtaining the written approval of the Chief Executive of the Ministry of Economic Development.

Maximum permitted interfering signals shall be measured at a height of 10 metres above ground level.

Vision and sound frequencies shall be maintained within +/- 500Hz of the nominal carrier frequency.

The rightholder shall transmit a video signal comforming to the Phase Alternating Line (PAL) System B standard as described in ITU-R Report 624-4

The rightholder may transmit a signal conforming to the Nicam 728 standard (Nicam Transmission)

The Chief Executive or any inspector duly authorised by him shall be granted by the licenceholder at all reasonable times entry to any place, premises or building for the purposes of ensuring compliance with this licence.

Return to Map

SCHEDULE

Details of spectrum licence:

1. The commencement date of this licence is: 1 January 2004
2. The expiry date of this licence is: 11 March 2010

3. The frequencies that apply to this licence are as follows:
   (a) the characteristic frequency is: 519.250000 MHz
   (b) the frequency band is: 518.000000 MHz to 526.000000 MHz

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

   (a) Limits applying to frequencies below the lower boundary frequency:

   -50.0 dBW at 510.000000 MHz to -43.0 dBW at 513.000000 MHz
   -43.0 dBW at 513.000000 MHz to -43.0 dBW at 513.000000 MHz
   -43.0 dBW at 513.000000 MHz to -20.0 dBW at 518.000000 MHz

   (b) Limits applying to frequencies above the upper boundary frequency:

   -20.0 dBW at 526.000000 MHz to -43.0 dBW at 529.000000 MHz
   -43.0 dBW at 529.000000 MHz to -43.0 dBW at 809.000000 MHz

   [Note: The unwanted emission limits applicable to frequencies within each specified range must be determined in accordance with the following formula: $y = mx + C$

   where y = dBW, x = MHz, $m = dy/dx$ C = the value of y where $x = 0$ (the y intercept).]

5. The maximum power, designation of emissions, and horizontal radiation pattern permitted under this licence are as follows:
   (a) maximum power of emissions: 10.0 dBW eirp
   (b) designation of emissions: 500KG2E
   6M25C3F
   750KF3EGN
   (c) horizontal radiation pattern of antenna: [maximum e.i.r.p. (in dBW) per sector (in degrees relative to true North)]:

   000.0 degrees up to 360.0 degrees: 10.0 dBW

6. The location of the transmitter, the antenna polarisation, and the antenna height are as follows:

   (a) the location of the transmitter:

Map	Easting	Northing	Altitude	Site Name
NZMS260 F40	038.00	063.00	310 m	MT ASPIRING COLLEGE

   (b) the antenna polarisation is: Vertical
   (c) the antenna height is: 10.0 metres above ground level

7. The protection location or locations or protection area that apply under this licence are described as follows:

(a),(b) the protected location or locations or protection area and the maximum permitted interfering signal that apply to those location(s) are:

Map	Easting	Northing	Site Name	Maximum Permitted Interfering Signals
NZMS260 F40	031.00	043.00	WANAKA CEMETERY RCL	27 dBµV/m

8. The authorities that apply to this licence are as follows:
(a) this licence may be transferred by the RightHolder acting alone.
(b) this licence may be cancelled by the RightHolder acting alone.
(c) this licence may be modified by agreement between the Manager and the RightHolder.

9. The conditions applying to the exercise of the rightholder's rights under this licence are:

Maximum permitted interfering signals shall be measured at a height of 10 metres above ground level.

Vision and sound frequencies shall be maintained within +/- 500Hz of the nominal carrier frequency.

The rightholder shall transmit a video signal comforming to the Phase Alternating Line (PAL) System B standard as described in ITU-R Report 624-4

The rightholder may transmit a signal conforming to the Nicam 728 standard (Nicam Transmission)

Return to Map

SCHEDULE

Details of spectrum licence:

1. The commencement date of this licence is: 1 January 2004
2. The expiry date of this licence is: 11 March 2010

3. The frequencies that apply to this licence are as follows:
   (a) the characteristic frequency is: 543.250000 MHz
   (b) the frequency band is: 542.000000 MHz to 550.000000 MHz

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

   (a) Limits applying to frequencies below the lower boundary frequency:

   -50.0 dBW at 510.000000 MHz to -43.0 dBW at 513.000000 MHz
   -43.0 dBW at 513.000000 MHz to -43.0 dBW at 537.000000 MHz
   -43.0 dBW at 537.000000 MHz to -10.0 dBW at 542.000000 MHz

   (b) Limits applying to frequencies above the upper boundary frequency:

   -10.0 dBW at 550.000000 MHz to -43.0 dBW at 553.000000 MHz
   -43.0 dBW at 553.000000 MHz to -43.0 dBW at 809.000000 MHz

   [Note: The unwanted emission limits applicable to frequencies within each specified range must be determined in accordance with the following formula: $y = mx + C$

   where y = dBW, x = MHz, $m = dy/dx$ C = the value of y where $x = 0$ (the y intercept).]

5. The maximum power, designation of emissions, and horizontal radiation pattern permitted under this licence are as follows:
   (a) maximum power of emissions: 20.0 dBW eirp
   (b) designation of emissions: 500KG2E
   6M25C3F
   750KF3EGN
   (c) horizontal radiation pattern of antenna: [maximum e.i.r.p. (in dBW) per sector (in degrees relative to true North)]:

   000.0 degrees up to 360.0 degrees: 20.0 dBW

6. The location of the transmitter, the antenna polarisation, and the antenna height are as follows:

   (a) the location of the transmitter:

Map	Easting	Northing	Altitude	Site Name
NZMS260 T14	545.00	729.00	60 m	MATAMATA

   (b) the antenna polarisation is: Vertical
   (c) the antenna height is: 10.0 metres above ground level

7. The protection location or locations or protection area that apply under this licence are described as follows:

   (a),(b) the protected location or locations or protection area and the maximum permitted interfering signal that apply to those location(s) are:

Map	Easting	Northing	Site Name	Maximum Permitted Interfering Signals
NZMS260 T14	535.00	724.00	MATAMATA SCHOOL	42 dBµV/m

8. The authorities that apply to this licence are as follows:
   (a) this licence may be transferred by the RightHolder acting alone.
   (b) this licence may be cancelled by the RightHolder acting alone.
   (c) this licence may be modified by agreement between the Manager and the RightHolder.

9. The conditions applying to the exercise of the rightholder's rights under this licence are:

   The rightholder shall not transfer the rightholder's interest in this licence to any foreign government, or to any party on behalf of any foreign government, without first obtaining the written approval of the Chief Executive of the Ministry of Economic Development.

   Maximum permitted interfering signals shall be measured at a height of 10 metres above ground level.

   Vision and sound frequencies shall be maintained within +/- 500Hz of the nominal carrier frequency.

   The rightholder shall transmit a video signal comforming to the Phase Alternating Line (PAL) System B standard as described in ITU-R Report 624-4

   The rightholder may transmit a signal conforming to the Nicam 728 standard (Nicam Transmission)

   The Chief Executive or any inspector duly authorised by him shall be granted by the licenceholder at all reasonable times entry to any place, premises or building for the purposes of ensuring compliance with this licence.

Return to Map

SCHEDULE

Details of spectrum licence:

1. The commencement date of this licence is: 1 January 2004
2. The expiry date of this licence is: 11 March 2010

3. The frequencies that apply to this licence are as follows:
   (a) the characteristic frequency is: 543.257800 MHz
   (b) the frequency band is: 542.007800 MHz to 550.007800 MHz

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

   (a) Limits applying to frequencies below the lower boundary frequency:

   -50.0 dBW at 510.000000 MHz to -35.0 dBW at 513.000000 MHz
   -35.0 dBW at 513.000000 MHz to -35.0 dBW at 537.007800 MHz
   -35.0 dBW at 537.007800 MHz to 15.0 dBW at 542.007800 MHz

   (b) Limits applying to frequencies above the upper boundary frequency:

   15.0 dBW at 550.007800 MHz to -35.0 dBW at 553.007800 MHz
   -35.0 dBW at 553.007800 MHz to -35.0 dBW at 809.000000 MHz

   [Note: The unwanted emission limits applicable to frequencies within each specified range must be determined in accordance with the following formula: $y = mx + C$

   where y = dBW, x = MHz, $m = dy/dx$ C = the value of y where $x = 0$ (the y intercept).]

5. The maximum power, designation of emissions, and horizontal radiation pattern permitted under this licence are as follows:
   (a) maximum power of emissions: 45.0 dBW eirp
   (b) designation of emissions: 500KG2E
   6M25C3F
   750KF3EGN
   (c) horizontal radiation pattern of antenna: [maximum e.i.r.p. (in dBW) per sector (in degrees relative to true North)]:

   000.0 degrees up to 190.0 degrees: 35.0 dBW
   190.0 degrees up to 220.0 degrees: 40.0 dBW
   220.0 degrees up to 280.0 degrees: 45.0 dBW
   280.0 degrees up to 310.0 degrees: 40.0 dBW
   310.0 degrees up to 360.0 degrees: 35.0 dBW

6. The location of the transmitter, the antenna polarisation, and the antenna height are as follows:

   (a) the location of the transmitter:

Map	Easting	Northing	Altitude	Site Name
NZMS260 T14	325.00	885.00	156 m	REYNOLDS FARM

   (b) the antenna polarisation is: Horizontal
   (c) the antenna height is: 10.0 metres above ground level

7. The protection location or locations or protection area that apply under this licence are described as follows:

(a),(b) the protected location or locations or protection area and the maximum permitted interfering signal that apply to those location(s) are:

Map	Easting	Northing	Site Name	Maximum Permitted Interfering Signals
NZMS260 S14	130.00	719.00	HALL ROAD RCL	38 dBµV/m
NZMS260 S14	173.00	773.00	NEWSTEAD RCL	45 dBµV/m
NZMS260 S14	084.00	847.00	SYLVESTER ROAD RCL	49 dBµV/m

8. The authorities that apply to this licence are as follows:
(a) this licence may be transferred by the RightHolder acting alone.
(b) this licence may be cancelled by the RightHolder acting alone.
(c) this licence may be modified by agreement between the Manager and the RightHolder.

9. The conditions applying to the exercise of the rightholder's rights under this licence are:

The rightholder shall not transfer the rightholder's interest in this licence to any foreign government, or to any party on behalf of any foreign government, without first obtaining the written approval of the Chief Executive of the Ministry of Economic Development.

Maximum permitted interfering signals shall be measured at a height of 10 metres above ground level.

Vision and sound frequencies shall be maintained within +/- 500Hz of the nominal carrier frequency.

The rightholder shall transmit a video signal comforming to the Phase Alternating Line (PAL) System B standard as described in ITU-R Report 624-4

The rightholder may transmit a signal conforming to the Nicam 728 standard (Nicam Transmission)

The Chief Executive or any inspector duly authorised by him shall be granted by the licenceholder at all reasonable times entry to any place, premises or building for the purposes of ensuring compliance with this licence.

Return to Map

SCHEDULE

Details of spectrum licence:

1. The commencement date of this licence is: 1 January 2004
2. The expiry date of this licence is: 11 March 2010

3. The frequencies that apply to this licence are as follows:
   (a) the characteristic frequency is: 711.260400 MHz
   (b) the frequency band is: 710.010400 MHz to 718.010400 MHz

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

   (a) Limits applying to frequencies below the lower boundary frequency:

   -50.0 dBW at 510.000000 MHz to -43.0 dBW at 513.000000 MHz
   -43.0 dBW at 513.000000 MHz to -43.0 dBW at 705.010400 MHz
   -43.0 dBW at 705.010400 MHz to -5.0 dBW at 710.010400 MHz

   (b) Limits applying to frequencies above the upper boundary frequency:

   -5.0 dBW at 718.010400 MHz to -43.0 dBW at 721.010400 MHz
   -43.0 dBW at 721.010400 MHz to -43.0 dBW at 809.000000 MHz

   [Note: The unwanted emission limits applicable to frequencies within each specified range must be determined in accordance with the following formula: $y = mx + C$

   where y = dBW, x = MHz, m = dy/dx C = the value of y where x = 0 (the y intercept).]

5. The maximum power, designation of emissions, and horizontal radiation pattern permitted under this licence are as follows:
   (a) maximum power of emissions: 25.0 dBW eirp
   (b) designation of emissions: 500KG2E
   6M25C3F
   750KF3EGN
   (c) horizontal radiation pattern of antenna: [maximum e.i.r.p. (in dBW) per sector (in degrees relative to true North)]:

   000.0 degrees up to 360.0 degrees: 25.0 dBW

6. The location of the transmitter, the antenna polarisation, and the antenna height are as follows:

   (a) the location of the transmitter:

Map	Easting	Northing	Altitude	Site Name
NZMS260 R22	866.00	441.00	122 m	MT JOWETT

   (b) the antenna polarisation is: Horizontal
   (c) the antenna height is: 20.0 metres above ground level

7. The protection location or locations or protection area that apply under this licence are described as follows:

(a),(b) the protected location or locations or protection area and the maximum permitted interfering signal that apply to those location(s) are:

Map	Easting	Northing	Site Name	Maximum Permitted Interfering Signals
NZMS260 R22	842.00	391.00	WANGANUI RACECOURSE RCL	33 dBµV/m

8. The authorities that apply to this licence are as follows:
(a) this licence may be transferred by the RightHolder acting alone.
(b) this licence may be cancelled by the RightHolder acting alone.
(c) this licence may be modified by agreement between the Manager and the RightHolder.

9. The conditions applying to the exercise of the rightholder's rights under this licence are:

The rightholder shall not transfer the rightholder's interest in this licence to any foreign government, or to any party on behalf of any foreign government, without first obtaining the written approval of the Chief Executive of the Ministry of Economic Development.

Maximum permitted interfering signals shall be measured at a height of 10 metres above ground level.

Vision and sound frequencies shall be maintained within +/- 500Hz of the nominal carrier frequency.

The rightholder shall transmit a video signal comforming to the Phase Alternating Line (PAL) System B standard as described in ITU-R Report 624-4

The rightholder may transmit a signal conforming to the Nicam 728 standard (Nicam Transmission)

The Chief Executive or any inspector duly authorised by him shall be granted by the licenceholder at all reasonable times entry to any place, premises or building for the purposes of ensuring compliance with this licence.

Return to Map

SCHEDULE

Details of spectrum licence:

1. The commencement date of this licence is: 1 January 2004
2. The expiry date of this licence is: 11 March 2010

3. The frequencies that apply to this licence are as follows:
   (a) the characteristic frequency is: 759.250000 MHz
   (b) the frequency band is: 758.000000 MHz to 766.000000 MHz

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

   (a) Limits applying to frequencies below the lower boundary frequency:

   -50.0 dBW at 510.000000 MHz to -43.0 dBW at 513.000000 MHz
   -43.0 dBW at 513.000000 MHz to -43.0 dBW at 753.000000 MHz
   -43.0 dBW at 753.000000 MHz to 1.0 dBW at 758.000000 MHz

   (b) Limits applying to frequencies above the upper boundary frequency:

   1.0 dBW at 766.000000 MHz to -43.0 dBW at 769.000000 MHz
   -43.0 dBW at 769.000000 MHz to -43.0 dBW at 809.000000 MHz

   [Note: The unwanted emission limits applicable to frequencies within each specified range must be determined in accordance with the following formula: $y = mx + C$

   where y = dBW, x = MHz, $m = dy/dx$ C = the value of y where $x = 0$ (the y intercept).]

5. The maximum power, designation of emissions, and horizontal radiation pattern permitted under this licence are as follows:
   (a) maximum power of emissions: 31.0 dBW eirp
   (b) designation of emissions: 500KG2E
   6M25C3F
   750KF3EGN
   (c) horizontal radiation pattern of antenna: [maximum e.i.r.p. (in dBW) per sector (in degrees relative to true North)]:

   000.0 degrees up to 115.0 degrees: 11.0 dBW
   115.0 degrees up to 125.0 degrees: 26.0 dBW
   125.0 degrees up to 135.0 degrees: 27.0 dBW
   135.0 degrees up to 145.0 degrees: 29.0 dBW
   145.0 degrees up to 155.0 degrees: 30.0 dBW
   155.0 degrees up to 195.0 degrees: 31.0 dBW
   195.0 degrees up to 205.0 degrees: 30.0 dBW
   205.0 degrees up to 215.0 degrees: 29.0 dBW
   215.0 degrees up to 225.0 degrees: 27.0 dBW
   225.0 degrees up to 235.0 degrees: 26.0 dBW
   235.0 degrees up to 360.0 degrees: 11.0 dBW

6. The location of the transmitter, the antenna polarisation, and the antenna height are as follows:

(a) the location of the transmitter:

Map	Easting	Northing	Altitude	Site Name
NZMS260 M35	882.00	447.00	1 m	NEW BRIGHTON

(b) the antenna polarisation is: Vertical
(c) the antenna height is: 15.0 metres above ground level

7. The protection location or locations or protection area that apply under this licence are described as follows:

(a),(b) the protected location or locations or protection area and the maximum permitted interfering signal that apply to those location(s) are:

Map	Easting	Northing	Site Name	Maximum Permitted Interfering Signals
NZMS260 M36	886.00	386.00	REDCLIFFS SCHOOL RCL	38 dBµV/m

8. The authorities that apply to this licence are as follows:
(a) this licence may be transferred by the RightHolder acting alone.
(b) this licence may be cancelled by the RightHolder acting alone.
(c) this licence may be modified by agreement between the Manager and the RightHolder.

9. The conditions applying to the exercise of the rightholder's rights under this licence are:

The rightholder shall not transfer the rightholder's interest in this licence to any foreign government, or to any party on behalf of any foreign government, without first obtaining the written approval of the Chief Executive of the Ministry of Economic Development.

Maximum permitted interfering signals shall be measured at a height of 10 metres above ground level.

Vision and sound frequencies shall be maintained within +/- 500Hz of the nominal carrier frequency.

The rightholder shall transmit a video signal comforming to the Phase Alternating Line (PAL) System B standard as described in ITU-R Report 624-4

The rightholder may transmit a signal conforming to the Nicam 728 standard (Nicam Transmission)

The Chief Executive or any inspector duly authorised by him shall be granted by the licenceholder at all reasonable times entry to any place, premises or building for the purposes of ensuring compliance with this licence.

Return to Map

SCHEDULE

Details of spectrum licence:

1. The commencement date of this licence is: 1 January 2004
2. The expiry date of this licence is: 11 March 2010

3. The frequencies that apply to this licence are as follows:
   (a) the characteristic frequency is: 799.250000 MHz
   (b) the frequency band is: 798.000000 MHz to 806.000000 MHz

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

   (a) Limits applying to frequencies below the lower boundary frequency:

   -50.0 dBW at 510.000000 MHz to -43.0 dBW at 513.000000 MHz
   -43.0 dBW at 513.000000 MHz to -43.0 dBW at 793.000000 MHz
   -43.0 dBW at 793.000000 MHz to -13.0 dBW at 798.000000 MHz

   (b) Limits applying to frequencies above the upper boundary frequency:

   -13.0 dBW at 806.000000 MHz to -43.0 dBW at 809.000000 MHz
   -43.0 dBW at 809.000000 MHz to -43.0 dBW at 809.000000 MHz

   [Note: The unwanted emission limits applicable to frequencies within each specified range must be determined in accordance with the following formula: $y = mx + C$

   where y = dBW, x = MHz, m = dy/dx C = the value of y where x = 0 (the y intercept).]

5. The maximum power, designation of emissions, and horizontal radiation pattern permitted under this licence are as follows:
   (a) maximum power of emissions: 17.0 dBW eirp
   (b) designation of emissions: 500KG2E
   6M25C3F
   750KF3EGN
   (c) horizontal radiation pattern of antenna: [maximum e.i.r.p. (in dBW) per sector (in degrees relative to true North)]:

   000.0 degrees up to 360.0 degrees: 17.0 dBW

6. The location of the transmitter, the antenna polarisation, and the antenna height are as follows:

   (a) the location of the transmitter:

Map	Easting	Northing	Altitude	Site Name
NZMS260 J41	501.00	639.00	80 m	OAMARU

   (b) the antenna polarisation is: Vertical
   (c) the antenna height is: 10.0 metres above ground level

7. The protection location or locations or protection area that apply under this licence are described as follows:

(a),(b) the protected location or locations or protection area and the maximum permitted interfering signal that apply to those location(s) are:

Map	Easting	Northing	Site Name	Maximum Permitted Interfering Signals
NZMS260 J41	512.00	674.00	OAMARU SHOWGROUNDS RCL	28 dBµV/m
NZMS260 J41	461.00	681.00	WESTON PARK OAMARU RCL	24 dBµV/m

8. The authorities that apply to this licence are as follows:
(a) this licence may be transferred by the RightHolder acting alone.
(b) this licence may be cancelled by the RightHolder acting alone.
(c) this licence may be modified by agreement between the Manager and the RightHolder.

9. The conditions applying to the exercise of the rightholder's rights under this licence are:

The rightholder shall not transfer the rightholder's interest in this licence to any foreign government, or to any party on behalf of any foreign government, without first obtaining the written approval of the Chief Executive of the Ministry of Economic Development.

Maximum permitted interfering signals shall be measured at a height of 10 metres above ground level.

Vision and sound frequencies shall be maintained within +/- 500Hz of the nominal carrier frequency.

The rightholder shall transmit a video signal comforming to the Phase Alternating Line (PAL) System B standard as described in ITU-R Report 624-4

The rightholder may transmit a signal conforming to the Nicam 728 standard (Nicam Transmission)

The Chief Executive or any inspector duly authorised by him shall be granted by the licenceholder at all reasonable times entry to any place, premises or building for the purposes of ensuring compliance with this licence.

Return to Map

SCHEDULE

Details of spectrum licence:

1. The commencement date of this licence is: 1 January 2004
2. The expiry date of this licence is: 11 March 2010

3. The frequencies that apply to this licence are as follows:
   (a) the characteristic frequency is: 799.257800 MHz
   (b) the frequency band is: 798.007800 MHz to 806.007800 MHz

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

   (a) Limits applying to frequencies below the lower boundary frequency:

   -50.0 dBW at 510.000000 MHz to -43.0 dBW at 513.000000 MHz
   -43.0 dBW at 513.000000 MHz to -43.0 dBW at 793.007800 MHz
   -43.0 dBW at 793.007800 MHz to 5.0 dBW at 798.007800 MHz

   (b) Limits applying to frequencies above the upper boundary frequency:

   5.0 dBW at 806.007800 MHz to -43.0 dBW at 809.000000 MHz
   -43.0 dBW at 809.000000 MHz to -43.0 dBW at 809.007800 MHz

   [Note: The unwanted emission limits applicable to frequencies within each specified range must be determined in accordance with the following formula: $y = mx + C$

   where y = dBW, x = MHz, m = dy/dx C = the value of y where x = 0 (the y intercept).]

5. The maximum power, designation of emissions, and horizontal radiation pattern permitted under this licence are as follows:

   (a) maximum power of emissions: 35.0 dBW eirp
   (b) designation of emissions: 500KG2E
   6M25C3F
   750KF3EGN
   (c) horizontal radiation pattern of antenna: [maximum e.i.r.p. (in dBW) per sector (in degrees relative to true North)]:

   000.0 degrees up to 010.0 degrees: 35.0 dBW
   010.0 degrees up to 170.0 degrees: 17.0 dBW
   170.0 degrees up to 360.0 degrees: 35.0 dBW

6. The location of the transmitter, the antenna polarisation, and the antenna height are as follows:

   (a) the location of the transmitter:

Map	Easting	Northing	Altitude	Site Name
NZMS260 T14	659.00	720.00	720 m	TE WERAITI

   (b) the antenna polarisation is: Horizontal
   (c) the antenna height is: 4.0 metres above ground level

7. The protection location or locations or protection area that apply under this licence are described as follows:

(a),(b) the protected location or locations or protection area and the maximum permitted interfering signal that apply to those location(s) are:

Map	Easting	Northing	Site Name	Maximum Permitted Interfering Signals
NZMS260 T14	535.00	724.00	MATAMATA SCHOOL	43 dBµV/m

8. The authorities that apply to this licence are as follows:
(a) this licence may be transferred by the RightHolder acting alone.
(b) this licence may be cancelled by the RightHolder acting alone.
(c) this licence may be modified by agreement between the Manager and the RightHolder.

9. The conditions applying to the exercise of the rightholder's rights under this licence are:

The rightholder shall not transfer the rightholder's interest in this licence to any foreign government, or to any party on behalf of any foreign government, without first obtaining the written approval of the Chief Executive of the Ministry of Economic Development.

Maximum permitted interfering signals shall be measured at a height of 10 metres above ground level.

Vision and sound frequencies shall be maintained within +/- 500Hz of the nominal carrier frequency.

The rightholder shall transmit a video signal comforming to the Phase Alternating Line (PAL) System B standard as described in ITU-R Report 624-4

The rightholder may transmit a signal conforming to the Nicam 728 standard (Nicam Transmission)

The Chief Executive or any inspector duly authorised by him shall be granted by the licenceholder at all reasonable times entry to any place, premises or building for the purposes of ensuring compliance with this licence.

Return to Map

SCHEDULE

Details of spectrum licence:

1. The commencement date of this licence is: 1 January 2004
2. The expiry date of this licence is: 11 March 2010

3. The frequencies that apply to this licence are as follows:
   (a) the characteristic frequency is: 799.239600 MHz
   (b) the frequency band is: 797.989600 MHz to 805.989600 MHz

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

   (a) Limits applying to frequencies below the lower boundary frequency:

   -50.0 dBW at 510.000000 MHz to -43.0 dBW at 513.000000 MHz
   -43.0 dBW at 513.000000 MHz to -43.0 dBW at 792.989600 MHz
   -43.0 dBW at 792.989600 MHz to 4.0 dBW at 797.989600 MHz

   (b) Limits applying to frequencies above the upper boundary frequency:

   4.0 dBW at 805.989600 MHz to -43.0 dBW at 808.989600 MHz
   -43.0 dBW at 808.989600 MHz to -43.0 dBW at 809.000000 MHz

   [Note: The unwanted emission limits applicable to frequencies within each specified range must be determined in accordance with the following formula: $y = mx + C$

   where y = dBW, x = MHz, $m = dy/dx$ C = the value of y where $x = 0$ (the y intercept).]

5. The maximum power, designation of emissions, and horizontal radiation pattern permitted under this licence are as follows:
   (a) maximum power of emissions: 34.0 dBW eirp
   (b) designation of emissions: 500KG2E
   6M25C3F
   750KF3EGN
   (c) horizontal radiation pattern of antenna: [maximum e.i.r.p. (in dBW) per sector (in degrees relative to true North)]:

   000.0 degrees up to 020.0 degrees: 34.0 dBW
   020.0 degrees up to 060.0 degrees: 14.0 dBW
   060.0 degrees up to 360.0 degrees: 34.0 dBW

6. The location of the transmitter, the antenna polarisation, and the antenna height are as follows:

   (a) the location of the transmitter:

Map	Easting	Northing	Altitude	Site Name
NZMS260 R26	830.00	374.00	30 m	NGARARA

   (b) the antenna polarisation is: Horizontal
   (c) the antenna height is: 37.0 metres above ground level

7. The protection location or locations or protection area that apply under this licence are described as follows:

(a),(b) the protected location or locations or protection area and the maximum permitted interfering signal that apply to those location(s) are:

Map	Easting	Northing	Site Name	Maximum Permitted Interfering Signals
NZMS260 R26	837.00	396.00	PEKAPEKA RCL	49 dBµV/m
NZMS260 R26	811.00	359.00	WAIKANAE GOLF COURSE	49 dBµV/m

8. The authorities that apply to this licence are as follows:
(a) this licence may be transferred by the RightHolder acting alone.
(b) this licence may be cancelled by the RightHolder acting alone.
(c) this licence may be modified by agreement between the Manager and the RightHolder.

9. The conditions applying to the exercise of the rightholder's rights under this licence are:

The rightholder shall not transfer the rightholder's interest in this licence to any foreign government, or to any party on behalf of any foreign government, without first obtaining the written approval of the Chief Executive of the Ministry of Economic Development.

Vision and Sound frequencies shall be maintained within 1Hz of the nominal carrier frequency

Maximum permitted interfering signals shall be measured at a height of 10 metres above ground level.

The rightholder shall transmit a video signal comforming to the Phase Alternating Line (PAL) System B standard as described in ITU-R Report 624-4

The rightholder may transmit a signal conforming to the Nicam 728 standard (Nicam Transmission)

The Chief Executive or any inspector duly authorised by him shall be granted by the licenceholder at all reasonable times entry to any place, premises or building for the purposes of ensuring compliance with this licence.