3.4/3.7 GHz bands allocation process results

Summary

Four winning bidders acquired spectrum in the ACMA's 3.4/3.7 GHz bands allocation process. The winning prices are as follows:

Winning bidder	Winning price
Mobile JV Pty Ltd	$128,194,100
NBN Co Ltd	$14,384,600
Optus Mobile Pty Ltd	$33,539,600
Telstra Ltd	$545,648,000
Total	**$721,766,300**

Allocation of leftover lots

Leftover lots which were directly allocated immediately after the eligibility deadline are shown in Table 1 below:

Table 1: Directly allocated leftover lots

Lot name	Frequency range assigned	Allocated to
Albury 1	3492.5 MHz – 3495 MHz	NBN Co
Albury 2	3540 MHz – 3542.5 MHz	Telstra
Cairns 1	3492.5 MHz – 3495 MHz	NBN Co
Cairns 2	3540 MHz – 3542.5 MHz	Telstra
Hobart 1	3492.5 MHz – 3495 MHz	NBN Co
Hobart 2	3540 MHz – 3542.5 MHz	Telstra
Launceston 1	3492.5 MHz – 3495 MHz	NBN Co
Launceston 2	3540 MHz – 3542.5 MHz	Telstra
Rockhampton 1	3492.5 MHz – 3495 MHz	NBN Co
Rockhampton 2	3540 MHz – 3542.5 MHz	Telstra
Townsville 1	3492.5 MHz – 3495 MHz	NBN Co
Townsville 2	3540 MHz – 3542.5 MHz	Telstra
Rural Central QLD 1	3440 MHz – 3442.5 MHz	NBN Co
Rural Central QLD 2	3540 MHz – 3542.5 MHz	NBN Co

Lot name	Frequency range assigned	Allocated to
Rural North NSW / South QLD 1	3440 MHz – 3442.5 MHz	NBN Co
Rural North NSW / South QLD 2	3540 MHz – 3542.5 MHz	NBN Co
Rural North QLD 1	3440 MHz – 3442.5 MHz	NBN Co
Rural North QLD 2	3540 MHz – 3542.5 MHz	NBN Co
Rural SA 1	3440 MHz – 3442.5 MHz	NBN Co
Rural SA 2	3540 MHz – 3542.5 MHz	NBN Co
Rural South / West NSW 1	3440 MHz – 3442.5 MHz	NBN Co
Rural South / West NSW 2	3540 MHz – 3542.5 MHz	NBN Co
Rural TAS 1	3440 MHz – 3442.5 MHz	NBN Co
Rural TAS 2	3540 MHz – 3542.5 MHz	NBN Co
Rural VIC 1	3440 MHz – 3442.5 MHz	NBN Co
Rural VIC 2	3540 MHz – 3542.5 MHz	NBN Co

The leftover lots in Table 2 were available in the assignment stage of the 3.4 GHz auction.

Table 2: Leftover lots allocated in the assignment stage of the 3.4 GHz auction

Lot name	Frequency range assigned	Allocated to
Rural WA 1	3440 MHz – 3442.5 MHz	NBN Co
Rural WA 2	3540 MHz – 3542.5 MHz	Telstra

The 3.7 GHz auction

The 3.7 GHz auction was held over a primary, secondary and assignment stage. The winning bidders and winning prices are in Table 3.

Table 3: 3.7 GHz band winning bidders and their winning prices

Winning bidder	Winning price ($)
Mobile JV	$128,194,100
Optus	$33,539,600
Telstra	$534,176,300
Total	**$695,910,000**

Of 260 lots available, 253 were allocated. Tables 4 to 6 summarise the number of lots of each product won by each of the bidders, and the frequency ranges assigned to these lots in the 3.7 GHz auction.

Table 4: Summary of products won by Mobile JV in the 3.7 GHz auction

Product ID	Product name	Number of lots	Frequency range assigned to lots
ADEL03	Adelaide Upper	6 lots	3770.0 – 3800.0 MHz
BRIS03	Brisbane Upper	5 lots	3700.0 – 3725.0 MHz
CANB03	Canberra Upper	5 lots	3700.0 – 3725.0 MHz
MELB03	Melbourne Upper	4 lots	3780.0 – 3800.0 MHz
PERT03	Perth Upper	5 lots	3700.0 – 3725.0 MHz
SYDN03	Sydney Upper	4 lots	3780.0 – 3800.0 MHz
HOBA03	Hobart Upper	10 lots	3750.0 – 3800.0 MHz
WEAU03	Rural WA Upper	1 lot	3700.0 – 3705.0 MHz
RQLD03	Regional QLD Upper	4 lots	3780.0 – 3800.0 MHz

Table 5: Summary of products won by Optus in the 3.7 GHz auction

Product ID	Product name	Number of lots	Frequency range assigned to lots
NNSQ03	Rural North NSW / South QLD Upper	4 lots	3700.0 – 3720.0 MHz

Table 6: Summary of products won by Telstra in the 3.7 GHz auction

Product ID	Product name	Number of lots	Frequency range assigned to lots
ADEL03	Adelaide Upper	14 lots	3700.0 – 3770.0 MHz
BRIS03	Brisbane Upper	15 lots	3725.0 – 3800.0 MHz
CANB03	Canberra Upper	15 lots	3725.0 – 3800.0 MHz
MELB03	Melbourne Upper	16 lots	3700.0 – 3780.0 MHz
PERT03	Perth Upper	15 lots	3725.0 – 3800.0 MHz
SYDN03	Sydney Upper	16 lots	3700.0 – 3780.0 MHz
CQLD03	Rural Central QLD Upper	10 lots	3700.0 – 3750.0 MHz
NNSQ03	Rural North NSW / South QLD Upper	6 lots	3720.0 – 3750.0 MHz
NQLD03	Rural North QLD Upper	10 lots	3700.0 – 3750.0 MHz
SOAU03	Rural SA Upper	10 lots	3700.0 – 3750.0 MHz
SWNS03	Rural South / West NSW Upper	10 lots	3700.0 – 3750.0 MHz
TASM03	Rural TAS Upper	10 lots	3700.0 – 3750.0 MHz
VICT03	Rural VIC Upper	10 lots	3700.0 – 3750.0 MHz
WEAU03	Rural WA Upper	9 lots	3705.0 – 3750.0 MHz
RNSW03	Regional NSW Upper	9 lots	3750.0 – 3795.0 MHz
RQLD03	Regional QLD Upper	6 lots	3750.0 – 3780.0 MHz
RSAU03	Regional SA Upper	7 lots	3750.0 – 3785.0 MHz
RVIC03	Regional VIC Upper	10 lots	3750.0 – 3800.0 MHz
RWAU03	Regional WA Upper	7 lots	3750.0 – 3785.0 MHz

The posted price of lots of each product of the 3.7 GHz auction are in Table 7.

Table 7: Posted price of lots of each 3.7 GHz product

Product ID	Product name	Posted price
ADEL03	Adelaide Upper	$1,149,300
BRIS03	Brisbane Upper	$1,967,900
CANB03	Canberra Upper	$420,500
MELB03	Melbourne Upper	$8,105,600
PERT03	Perth Upper	$1,767,900
SYDN03	Sydney Upper	$9,169,400
HOBA03	Hobart Upper	$235,000
CQLD03	Rural Central QLD Upper	$529,300
NNSQ03	Rural North NSW / South QLD Upper	$8,384,900
NQLD03	Rural North QLD Upper	$225,900
SOAU03	Rural SA Upper	$318,800
SWNS03	Rural South / West NSW Upper	$1,290,300
TASM03	Rural TAS Upper	$461,500
VICT03	Rural VIC Upper	$1,330,100
WEAU03	Rural WA Upper	$275,400
RNSW03	Regional NSW Upper	$994,700
RQLD03	Regional QLD Upper	$3,463,100
RSAU03	Regional SA Upper	$180,800
RVIC03	Regional VIC Upper	$920,100
RWAU03	Regional WA Upper	$200,300

No lots were allocated in the secondary stage of the 3.7 GHz auction. Therefore, there were no residual prices.

The 3.4 GHz auction

The 3.4 GHz auction was held over a primary, secondary and assignment stage. Leftover lots were also allocated in the 3.4 GHz band (see Tables 1 and 2). The winning prices are in Table 8.

Table 8: 3.4 GHz band winning bidders and their winning prices (including direct allocation of leftover lots)

Winning bidder	Winning price
NBN Co	$14,384,600
Telstra	$11,471,700
Total	**$25,856,300**

Of the 328 lots available, 321 were allocated (including leftover lots).

Tables 9 to 10 summarise the number of lots of each product won by each of the bidders, and the frequency ranges assigned to these lots in the 3.4 GHz auction. These tables do not include leftover lots.

Table 9: Summary of products won by NBN Co in the 3.4 GHz auction

Product ID	Product name	Number of lots	Frequency range assigned to lots
ALBU01	Albury Lower	5 lots	3400.0 – 3425.0 MHz
CAIR01	Cairns Lower	5 lots	3400.0 – 3425.0 MHz
HOBA01	Hobart Lower	5 lots	3400.0 – 3425.0 MHz
LAUN01	Launceston Lower	5 lots	3400.0 – 3425.0 MHz
ROCK01	Rockhampton Lower	5 lots	3400.0 – 3425.0 MHz
TOWN01	Townsville Lower	5 lots	3400.0 – 3425.0 MHz
ALBU02	Albury Middle	4 lots	3495.0 – 3515.0 MHz
CAIR02	Cairns Middle	4 lots	3495.0 – 3515.0 MHz
HOBA02	Hobart Middle	8 lots	3495.0 – 3535.0 MHz
LAUN02	Launceston Middle	4 lots	3495.0 – 3515.0 MHz
ROCK02	Rockhampton Middle	4 lots	3495.0 – 3515.0 MHz
TOWN02	Townsville Middle	4 lots	3495.0 – 3515.0 MHz
CQLD01	Rural Central QLD Lower	8 lots	3400.0 – 3440.0 MHz

Product ID	Product name	Number of lots	Frequency range assigned to lots
NNSQ01	Rural North NSW / South QLD Lower	6 lots	3400.0 – 3430.0 MHz
NQLD01	Rural North QLD Lower	8 lots	3400.0 – 3440.0 MHz
SOAU01	Rural SA Lower	8 lots	3400.0 – 3440.0 MHz
SWNS01	Rural South / West NSW Lower	8 lots	3400.0 – 3440.0 MHz
TASM01	Rural TAS Lower	8 lots	3400.0 – 3440.0 MHz
VICT01	Rural VIC Lower	8 lots	3400.0 – 3440.0 MHz
WEAU01	Rural WA Lower	8 lots	3400.0 – 3440.0 MHz
CQLD02	Rural Central QLD Middle	1 lot	3475.0 – 3480.0 MHz
NNSQ02	Rural North NSW / South QLD Middle	4 lots	3520.0 – 3540.0 MHz
NQLD02	Rural North QLD Middle	1 lot	3475.0 – 3480.0 MHz
SOAU02	Rural SA Middle	8 lots	3500.0 – 3540.0 MHz
SWNS02	Rural South / West NSW Middle	6 lots	3510.0 – 3540.0 MHz
TASM02	Rural TAS Middle	1 lot	3475.0 – 3480.0 MHz
VICT02	Rural VIC Middle	3 lots	3475.0 – 3490.0 MHz
WEAU02	Rural WA Middle	6 lots	3475.0 – 3505.0 MHz
RNSW02	Regional NSW Middle	4 lots	3475.0 – 3495.0 MHz
RQLD02	Regional QLD Middle	1 lot	3505.0 – 3510.0 MHz
RSAU02	Regional SA Middle	4 lots	3475.0 – 3495.0 MHz
RVIC02	Regional VIC Middle	4 lots	3490.0 – 3510.0 MHz
RWAU02	Regional WA Middle	7 lots	3475.0 – 3510.0 MHz
RWAC02	Regional WA Central Middle	9 lots	3510.0 – 3555.0 MHz

Table 10: Summary of products won by Telstra in the 3.4 GHz auction

Product ID	Product name	Number of lots	Frequency range assigned to lots
ALBU02	Albury Middle	5 lots	3515.0 – 3540.0 MHz
CAIR02	Cairns Middle	5 lots	3515.0 – 3540.0 MHz
HOBA02	Hobart Middle	1 lot	3535.0 – 3540.0 MHz
LAUN02	Launceston Middle	5 lots	3515.0 – 3540.0 MHz
ROCK02	Rockhampton Middle	5 lots	3515.0 – 3540.0 MHz
TOWN02	Townsville Middle	5 lots	3515.0 – 3540.0 MHz
NNSQ01	Rural North NSW / South QLD Lower	2 lots	3430.0 – 3440.0 MHz
CQLD02	Rural Central QLD Middle	12 lots	3480.0 – 3540.0 MHz
NNSQ02	Rural North NSW / South QLD Middle	9 lots	3475.0 – 3520.0 MHz
NQLD02	Rural North QLD Middle	12 lots	3480.0 – 3540.0 MHz
SOAU02	Rural SA Middle	5 lots	3475.0 – 3500.0 MHz
SWNS02	Rural South / West NSW Middle	7 lots	3475.0 – 3510.0 MHz
TASM02	Rural TAS Middle	12 lots	3480.0 – 3540.0 MHz
VICT02	Rural VIC Middle	10 lots	3490.0 – 3540.0 MHz
WEAU02	Rural WA Middle	7 lots	3505.0 – 3540.0 MHz
RQLD02	Regional QLD Middle	6 lots	3475.0 – 3505.0 MHz
RVIC02	Regional VIC Middle	2 lots	3475.0 – 3485.0 MHz
RWAC02	Regional WA Central Middle	4 lots	3555.0 – 3575.0 MHz

The posted price of lots of each product of the 3.4 GHz auction are in Table 11.

Table 11: Posted price of lots of each 3.4 GHz product

Product ID	Product name	Posted price
ALBU01	Albury Lower	$38,600
CAIR01	Cairns Lower	$59,100

Product ID	Product name	Posted price
HOBA01	Hobart Lower	$88,100
LAUN01	Launceston Lower	$43,300
ROCK01	Rockhampton Lower	$37,300
TOWN01	Townsville Lower	$60,100
ALBU02	Albury Middle	$42,500
CAIR02	Cairns Middle	$65,100
HOBA02	Hobart Middle	$97,000
LAUN02	Launceston Middle	$47,700
ROCK02	Rockhampton Middle	$41,100
TOWN02	Townsville Middle	$66,200
CQLD01	Rural Central QLD Lower	$101,100
NNSQ01	Rural North NSW / South QLD Lower	$191,100
NQLD01	Rural North QLD Lower	$25,600
SOAU01	Rural SA Lower	$51,800
SWNS01	Rural South / West NSW Lower	$110,800
TASM01	Rural TAS Lower	$41,200
VICT01	Rural VIC Lower	$114,900
WEAU01	Rural WA Lower	$28,100
CQLD02	Rural Central QLD Middle	$111,300
NNSQ02	Rural North NSW / South QLD Middle	$232,100
NQLD02	Rural North QLD Middle	$28,200
SOAU02	Rural SA Middle	$57,500
SWNS02	Rural South / West NSW Middle	$134,100
TASM02	Rural TAS Middle	$45,400

Product ID	Product name	Posted price
VICT02	Rural VIC Middle	$126,400
WEAU02	Rural WA Middle	$31,000
RNSW02	Regional NSW Middle	$203,900
RQLD02	Regional QLD Middle	$366,700
RSAU02	Regional SA Middle	$49,200
RVIC02	Regional VIC Middle	$176,400
RWAU02	Regional WA Middle	$75,100
RWAC02	Regional WA Central Middle	$4,200

No lots were allocated in the secondary stage of the 3.4 GHz auction. Therefore, there were no residual prices.

Unallocated spectrum

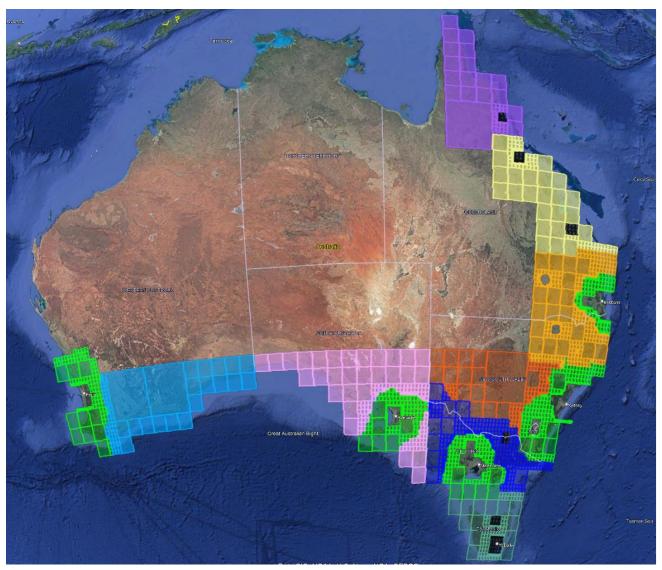The spectrum shown in Table 12 below was not allocated during the 3.4/3.7 GHz bands allocation process.

Table 12: Unallocated spectrum

Product ID	Product name	Frequency range unallocated	Band
RNSW03	Regional NSW Upper	3795.0 – 3800.0 MHz	3.7 GHz band
RSAU03	Regional SA Upper	3785.0 – 3800.0 MHz	3.7 GHz band
RWAU03	Regional WA Upper	3785.0 – 3800.0 MHz	3.7 GHz band
RNSW02	Regional NSW Middle	3495.0 – 3510.0 MHz	3.4 GHz band
RSAU02	Regional SA Middle	3495.0 – 3510.0 MHz	3.4 GHz band
RVIC02	Regional VIC Middle	3485.0 – 3490.0 MHz	3.4 GHz band

Product areas

The maps in Figures 1 to 3 are pictorial representations of the product areas for spectrum available in the 3.4/3.7 GHz bands allocation process. Please note that these maps are indicative only. Hierarchical Cell Identification Scheme (HCIS) identifiers for the regions allocated during the allocation process may be found at Schedule 4 to the Radiocommunications Spectrum Marketing Plan (3.4/3.7 GHz Bands) 2023.
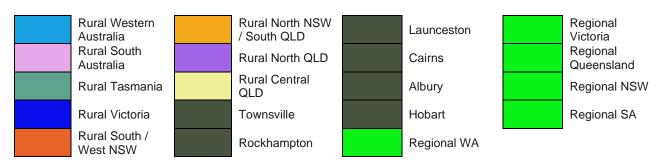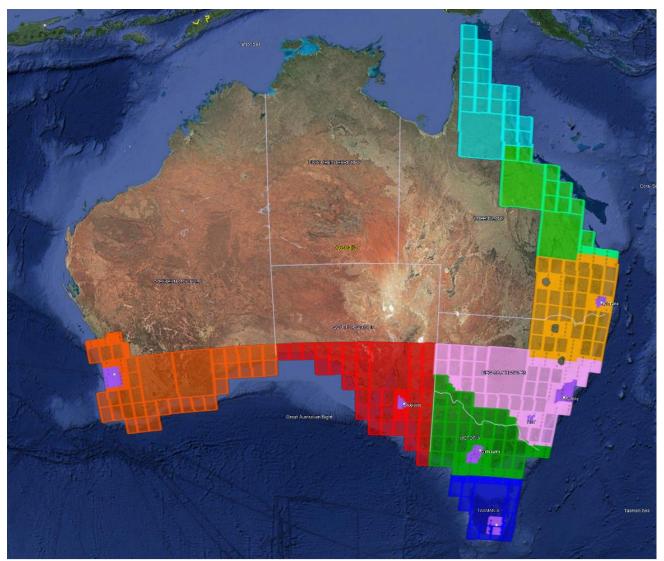
Figure 1:   3400–3575 MHz lot configuration

Legend

■	Rural Western Australia	■	Rural North NSW / South QLD	■	Launceston	■	Regional Victoria
■	Rural South Australia	■	Rural North QLD	■	Cairns	■	Regional Queensland
■	Rural Tasmania	■	Rural Central QLD	■	Albury	■	Regional NSW
■	Rural Victoria	■	Townsville	■	Hobart	■	Regional SA
■	Rural South / West NSW	■	Rockhampton	■	Regional WA		

Figure 2:   3700–3750 MHz lot configuration

Legend

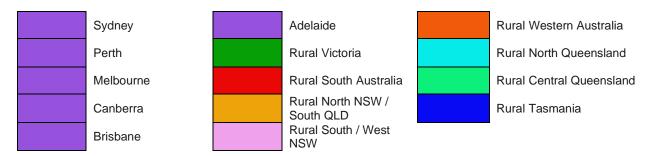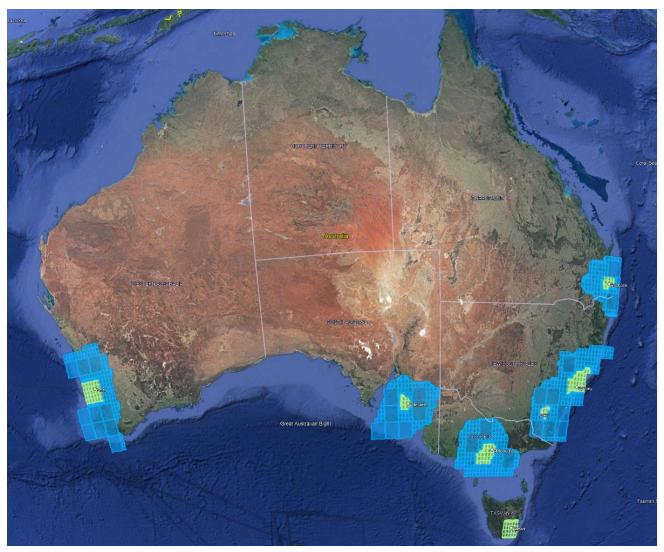|					
⬛	Sydney	⬛	Adelaide	⬛	Rural Western Australia
⬛	Perth	⬛	Rural Victoria	⬛	Rural North Queensland
⬛	Melbourne	⬛	Rural South Australia	⬛	Rural Central Queensland
⬛	Canberra	⬛	Rural North NSW / South QLD	⬛	Rural Tasmania
⬛	Brisbane	⬛	Rural South / West NSW		

Figure 3:   3750–3800 MHz lot configuration

Legend

	Sydney		Brisbane		Regional WA
	Perth		Adelaide		Regional Victoria
	Melbourne		Hobart		Regional NSW
	Canberra		Regional SA		Regional QLD