



FreeView HD Satellite for TDX Headends, spread the load in case of overrun.

Because of the HD content using more of the bandwidth we need to spread the streams of 12455 to another output.

Create FV10 12455 @ 22500 and update.

This creates Demod 4 under Transports streams.

	Title	SAT input	User band	DVB-S2 options	Input frequency, MHz	Symbol rate, Ks/s
Demod. 1	C10	Input 1 ▼	Off ▼	Configure	12455	22500
Demod. 2	C12	Input 1 ▼	Off ▼	Configure	12484	22500
Demod. 3	C14	Input 1 ▼	Off ▼	Configure	12530	30000
Demod. 4	FV10	Input 1 ▼	Off ▼	Configure	12455	22500
Demod. 5		Off ▼	Off ▼	Configure	10744	22000
Demod. 6		Off ▼	Off ▼	Configure	10744	22000
Demod. 7		Off ▼	Off ▼	Configure	10744	22000
Demod. 8		Off ▼	Off ▼	Configure	10744	22000
Update						

	Lock status	RF level	Modulation	FEC	SNR	VBER	PER	Input bitrate
Demod. 1 status	Locked	87 dBμV	QPSK	3/4	11.2 dB	<1.0E-08	<1.3E-08	32680 kbps
Demod. 2 status	Locked	88 dBμV	QPSK	4/5	11.2 dB	<1.0E-08	<1.3E-08	34870 kbps
Demod. 3 status	Locked	87 dBμV	QPSK	3/5	10.5 dB	<1.0E-08	<1.3E-08	34800 kbps
Demod. 4 status	Locked	89 dBμV	QPSK	3/4	11.2 dB	<1.0E-08	<1.3E-08	32670 kbps
Demod. 5 status	Inactive	<60 dBμV	-	-	-1.0 dB	-	-	0 kbps
Demod. 6 status	Inactive	<60 dBμV	-	-	-1.0 dB	-	-	0 kbps
Demod. 7 status	Inactive	<60 dBμV	-	-	-1.0 dB	-	-	0 kbps
Demod. 8 status	Inactive	<60 dBμV	-	-	-1.0 dB	-	-	0 kbps

Go to Demod 1 which should be the first 12455 and under Enable turn off the first 5 FreeView channels and Update.

Choose input

Demod. 1

Transparent mode ☐

List of services

Service title	Bitrate	LCN	Service ID	Descramble	Enable
Firstlight	2.2 Mbps	26	1913		Off
eden	3.6 Mbps	8	1915		Off
Shine TV	2.4 Mbps	25	1927		Off
HGTV	2.8 Mbps	19	1928		Off
Parliament TV	2.7 Mbps	31	1923		Off
Te Reo	1.2 Mbps	10	1924		Output 1
Hope Channel	3.5 Mbps	27	1916		Output 1
Rush	2.4 Mbps	14	1918		Output 1
Three	2.7 Mbps	3	1920		Output 1
Bravo	3.6 Mbps	4	1921		Output 1
ThreePlus1	2.8 Mbps	13	1926		Output 1
No title	0.1 Mbps	0	1931		Off
GeorgeFM	0.4 Mbps	60	1935		Output 1
Radio Aotearoa	0.4 Mbps	52	1936		Output 1
Radio NZ Concert	0.4 Mbps	51	1930		Output 1
Radio NZ National	0.3 Mbps	50	1929		Output 1
No title	0.1 Mbps	0	1914		Off
TS 21 iEPG DATA SERVICE	0.0 Mbps	0	9021		Off

Go to Demod 4 and under Enable select Output 4 for the first 5 channels and add in the LCN as above and select update.

You have now halved the load on those 2 mux's approx.

Go to TS Info and you will now see the percentages of bandwidth used in each of the 4-mux's

Choose outputs

Output 1



Output 2



Output 3



Output 4



Output 5



Output 6



Output 7



Output 8



Select all



Show services



Service title	Input source	Service ID	LCN
Output 1			
	49%		15.5 / 31.6 Mbps
Te Reo	Demod. 1	1924	10
Hope Channel	Demod. 1	1916	27
Rush	Demod. 1	1918	14
Three	Demod. 1	1920	3
Bravo	Demod. 1	1921	4
ThreePlus1	Demod. 1	1926	13
GeorgeFM	Demod. 1	1935	60
Radio Aotearoa	Demod. 1	1936	52
Radio NZ Concert	Demod. 1	1930	51
Radio NZ National	Demod. 1	1929	50
Output 2			
	78%		24.6 / 31.6 Mbps
Whakaata Maori	Demod. 2	1025	5
TVNZ 1	Demod. 2	1035	1
TVNZ 2	Demod. 2	1036	2
TVNZ 1 +1	Demod. 2	1037	11
TVNZ 2 +1	Demod. 2	1038	7
TVNZ DUKE	Demod. 2	1904	6
Output 3			
	29%		9.2 / 31.6 Mbps
Sky Open	Demod. 3	1018	15
Al Jazeera	Demod. 3	1212	20
Bravo PLUS1	Demod. 3	1510	9
eden +1	Demod. 3	1511	18
Output 4			
	46%		14.4 / 31.6 Mbps
Firstlight	Demod. 4	1913	26
eden	Demod. 4	1915	8
Shine TV	Demod. 4	1927	25
HGTV	Demod. 4	1928	19
Parliament TV	Demod. 4	1923	31
Update LCN			