

# LNBF Testing Results - 99w

Location: Sacramento, CA  
Dish: GEOSATpro 90cm  
Satellite: 99w KU

Date: 08/2/2012  
Time: 18:00 UTC  
Conditions: Clear / 92F

Chaparral	Orbit	Transponder Frequency	Polarity	Symbol Rate	Signal Level	Signal Quality	Carrier to Noise Ratio	Eb/No	Es/No	Lock	Freq Error	LNB vdc	LNB Current
	-99	11707.54	H	8417	74.5	85	11	11.6	12.3	LOCK	-1.444	18.4	120
		11721.036	H	10987	75.5	78	9.9	10.5	11.2	LOCK	-1.445	18.4	120
		11771.272	V	15915	75.8	54	6.8	6.9	8.1	LOCK	-1.443	13.4	120
		12151.032	H	15000	81.3	77	9.8	9.3	11.1	LOCK	-1.507	18.4	125
		11860.08	V	30000	83.4	73	8.9	9	10.2	LOCK	-1.488	13.4	120
		12031.872	H	14600	78.4	73	8.9	9	10.2	LOCK	-1.441	18.4	125
Average					78.15	73.33	9.22	9.38	10.52		-1.46		
ESX521	Orbit	Transponder Frequency	Polarity	Symbol Rate	Signal Level	Signal Quality	Carrier to Noise Ratio	Eb/No	Es/No	Lock	Freq Error	LNB vdc	LNB Current
	-99	11707.54	H	8417	77.5	77	9.8	10.4	11.1	LOCK	-1.225	18.4	85
		11721.036	H	10987	78.6	74	9.3	9.9	10.6	LOCK	-1.227	18.4	85
		11771.272	V	15915	83.7	54	6.8	6.9	8.1	LOCK	-1.195	13.4	85
		12151.032	H	15000	87	66	8.2	7.7	9.5	LOCK	-1.287	18.4	85
		11860.08	V	30000	85.5	73	8.9	9	10.2	LOCK	-1.239	13.4	85
		12031.872	H	14600	82.7	58	7.3	7.4	8.6	LOCK	-1.221	18.4	85
Average					82.50	67.00	8.38	8.55	9.68		-1.23		
ESX522	Orbit	Transponder Frequency	Polarity	Symbol Rate	Signal Level	Signal Quality	Carrier to Noise Ratio	Eb/No	Es/No	Lock	Freq Error	LNB vdc	LNB Current
	-99	11707.54	H	8417	72.70	85	11	11.6	12.3	LOCK	-0.741	18.4	145
		11721.036	H	10987	75.10	72	8.8	9.4	10.1	LOCK	-0.742	18.4	150
		11771.272	V	15915	75.30	48	6.2	6.3	7.5	LOCK	-0.744	13.4	145
		12151.032	H	15000	83.20	82	10.6	10.1	11.9	LOCK	-0.797	18.4	150
		11860.08	V	30000	78.40	66	8.2	8.3	9.5	LOCK	-0.788	13.4	145
		12031.872	H	14600	79.10	77	9.7	9.8	11	LOCK	-0.733	18.4	150
Average					77.30	71.67	9.08	9.25	10.38		-0.76		
PLL321s	Orbit	Transponder Frequency	Polarity	Symbol Rate	Signal Level	Signal Quality	Carrier to Noise Ratio	Eb/No	Es/No	Lock	Freq Error	LNB vdc	LNB Current
	-99	11707.54	H	8417	73.5	88	11.5	12.1	12.8	LOCK	-0.056	18.4	160
		11721.036	H	10987	75.1	79	10.1	10.7	11.4	LOCK	-0.057	18.4	165
		11771.272	V	15915	75.3	56	7	7.1	8.3	LOCK	-0.062	13.4	160
		12151.032	H	15000	81.9	79	10.1	9.6	11.4	LOCK	-0.116	18.4	165
		11860.08	V	30000	82.2	73	9.1	9.2	10.4	LOCK	-0.107	13.4	160
		12031.872	H	14600	79.3	77	9.7	9.8	11	LOCK	-0.051	18.4	160
Average					77.88	75.33	9.58	9.75	10.88		-0.07		
SL1PLL	Orbit	Transponder Frequency	Polarity	Symbol Rate	Signal Level	Signal Quality	Carrier to Noise Ratio	Eb/No	Es/No	Lock	Freq Error	LNB vdc	LNB Current
	-99	11707.54	H	8417	73.9	88	11.5	12.1	12.8	LOCK	-0.054	18.4	155
		11721.036	H	10987	75.7	78	9.9	10.5	11.2	LOCK	-0.056	18.3	155
		11771.272	V	15915	76.8	58	7.2	7.3	8.5	LOCK	-0.061	13.4	155
		12151.032	H	15000	81.3	80	10.3	9.8	11.6	LOCK	-0.114	18.3	155
		11860.08	V	30000	80.2	70	8.7	8.8	10	LOCK	-0.106	13.4	155
		12031.872	H	14600	76.6	79	10	10.1	11.3	LOCK	-0.049	18.4	155
Average					77.42	75.50	9.60	9.77	10.90		-0.07		
SL2 Bullet	Orbit	Transponder Frequency	Polarity	Symbol Rate	Signal Level	Signal Quality	Carrier to Noise Ratio	Eb/No	Es/No	Lock	Freq Error	LNB vdc	LNB Current
	-99	11707.54	H	8417	68.4	77	9.7	10.3	11	LOCK	-0.446	18.4	115
		11721.036	H	10987	70.9	66	8.2	8.8	9.5	LOCK	-0.447	18.3	115
		11771.272	V	15915	71.8	55	6.9	7	8.2	LOCK	-0.45	13.4	115
		12151.032	H	15000	77.8	82	10.6	10.1	11.9	LOCK	-0.499	18.4	115
		11860.08	V	30000	74.5	80	10.3	10.4	11.6	LOCK	-0.494	13.4	115
		12031.872	H	14600	73.8	73	9.1	9.2	10.4	LOCK	-0.437	18.4	115
Average					72.87	72.17	9.13	9.30	10.43		-0.46		
Invacom SNH031	Orbit	Transponder Frequency	Polarity	Symbol Rate	Signal Level	Signal Quality	Carrier to Noise Ratio	Eb/No	Es/No	Lock	Freq Error	LNB vdc	LNB Current
	-99	11707.54	H	8417	68.4	85	11	11.6	12.3	LOCK	2.919	18.4	100
		11721.036	H	10987	67.9	77	9.7	10.3	11	LOCK	2.905	18.4	100
		11771.272	V	15915	69.7	55	6.9	7	8.2	LOCK	2.891	13.4	100
		12151.032	H	15000	75.9	81	10.4	9.9	11.7	LOCK	2.835	18.4	100
		11860.08	V	30000	73.8	74	9.3	9.4	10.6	LOCK	2.843	13.4	100
		12031.872	H	14600	72.3	73	9.1	9.2	10.4	LOCK	2.901	18.4	100
Average					71.33	74.17	9.40	9.57	10.70		2.88		

Model	Level	Quality	CNR	Eb/No	Es/No	LO Center	TP Locked
Chaparral	78.15	73.33	9.22	9.38	10.52	-1.46	6
ESX521	82.50	67.00	8.38	8.55	9.68	-1.23	6
ESX522	77.30	71.67	9.08	9.25	10.38	-0.76	6
PLL321s	77.88	75.33	9.58	9.75	10.88	-0.07	6
SL1PLL	77.42	75.50	9.60	9.77	10.90	-0.07	6
SL2 Bullet	72.87	72.17	9.13	9.30	10.43	-0.46	6
Invacom SNH031	71.33	74.17	9.40	9.57	10.70	2.88	6