Neptune version 4.3 Freespace Antenna DBI gain measurements Measured at the Kennesaw Georgia SATIMO Chamber 20Dec06 by Roger Meline

	Neptune board #1 Antenna 1	Neptune board #1 Antenna 2	Neptune board #2 Antenna 1	Neptune board #2 Antenna 2	Overall Ante	enna Gain (dbi)	
Frequency	E Total, dB	E Total. dB	E Total. dB	E Total. dB		Average Min	
240200000	2.3464	1.4500	2.4468	1.6430	2.4468	1.9716	1.4500
2420000000	2.4786	1.6742	2.7579	1.7732	2.7579	2.1710	1.6742
2440000000	2.5604	1.9020	2.8019	1.9989	2.8019	2.3158	1.9020
2460000000	2.6900	1.8336	2.8385	1.9264	2.8385	2.3221	1.8336
2483000000	2.5228	1.7386	2.8155	1.8058	2.8155	2.2207	1.7386
2500000000	2.4459	1.6997	2.7068	1.7691	2.7068	2.1554	1.6997
Max gain per antenna	2.6900	1.9020	2.8385	1.9989			

Test Summary

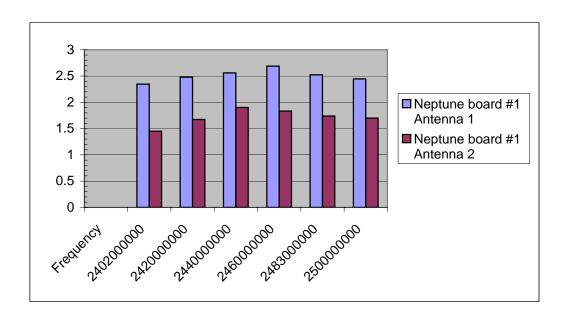
The four version 4.3 Neptune board S11 match performance is shown on the next tab. Coax was attached at the antenna matching network. Pictures on tab

Peak gain among the 4 boards was measured as 2.838 dbi at 2460 Mhz.

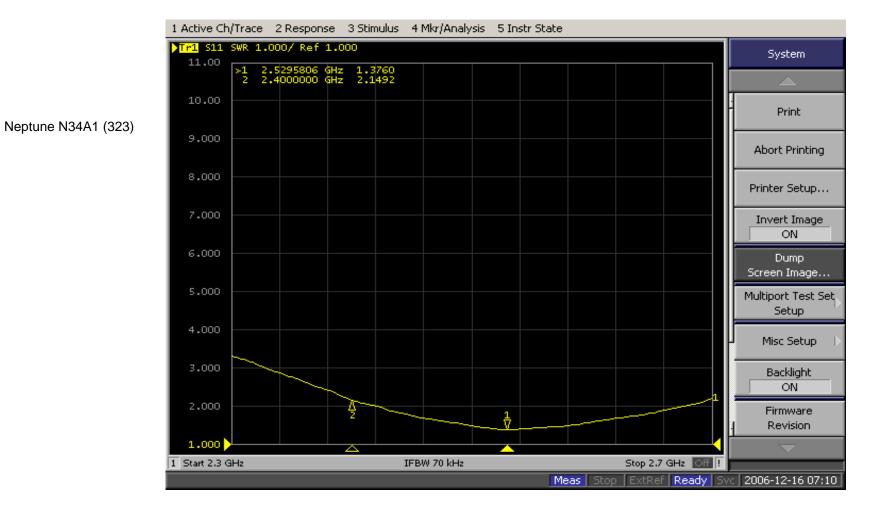
Antenna 1 peak gain 2.84 dbi

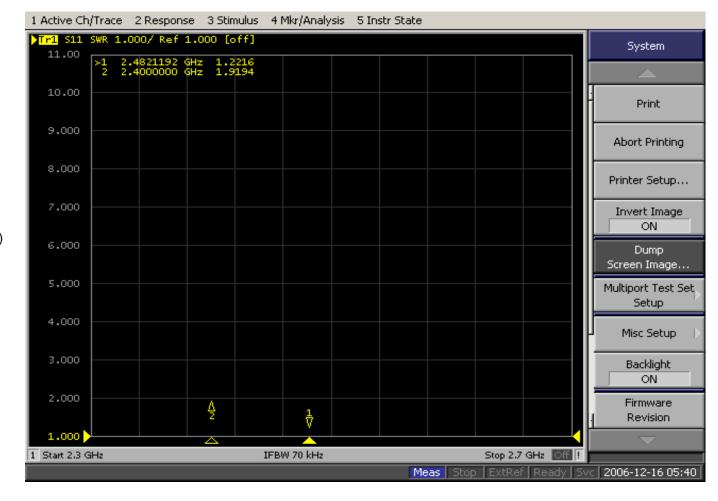
Antenna 2 peak gain 1.998 dbi

Question - How does this Neptune test data compare with the last SATIMO test data? Data on tab 5. Gain values are consistant with the tuned Fractal 2 de



S11 measurements on Version 4.3 Neptune boards.





Neptune N43B1 (324)

Neptune N43A2 (325)

