


Document Title	Document Reference	
Noise Level Stacked 400 – tuned	Terrasond 20200904	

Geo Marine Sparker Noise Levels

Dual 400 tips - Tuned

Energy (J)	Peak SPL re 1 μ Pa@ 1 m	Peak-to-Peak SPL re 1 μ Pa@ 1 m	SPLrms (90%) re 1 μ Pa@ 1 m	SEL re 1 μ Pa 2@ 1 m	Spherical divergence effect (r- radius in m)				
					SEL - 20Log(r)			SEL	SPL
					10	100	750	750	750
800	201	210	200	168	148	128	111	127	160
1600	220	225	215	184	164	144	126	143	179
2200	222	228	217	187	167	147	130	146	181
2900	224	230	219	190	170	150	132	149	183
3700	225	231	220	191	171	151	134	150	184
4600	227	233	221	192	172	152	135	151	186
5800	229	234	221	193	173	153	136	152	188
6000	230	235	221	194	174	154	136	153	189

Energy levels corresponds to total energy of the dual source in tuned configuration (sum of the two levels).

In yellow is highlighted the expected power output for the project.

Test realized with a 75 meters HV cables.