Section 6 – SynchroCast3 Specifications

SynchroCast3 Timing*	
T1 Timing Reference	T1/E1 timing is referenced to GPS clock signal.
RF Carrier Frequency	Exciter carrier frequency can be externally controlled by the 10 MHz GPS clock signal.
Audio Alignment Accuracy	Alignment is maintained at +/- 2 µS once delay is established.
Delay Equalization Rate	Adjustment rate is 130 µS per second, typical.
T1/E1 Circuit Switch Response	Mean time to detect delay change and start delay equalization after a T1/E1 circuit switch is 2.5 seconds.
Fine Adjustment Range	Delay is adjustable with a resolution of 1 µS for fine tuning of overlap regions.
GPS Receivers	TRAK Microwave Model 8821H Spectracom Model 8195A&B
Module Adapters	**CM-5/7TD and CM-5/7R-TD common modules:** MA-215 (RJ-45 network connection), MA-217A (BNC network connection) or MA-217B (DB-15 network connection) **SNC-101S and SNC-101T modules:** MA-480 for signal input/outputs.
Physical and Environmental (with multiplexer chassis)	
Power Consumption	Consumption of either SNC-101S or SNC-101T is 500 mW. MA-480 consumption is negligible.
Dimensions	Height: 5 ¼” Width: 19” (rack mount) Depth: 14 ½”
Weight	Less than 15 lbs.
Regulatory	FCC Part 15, Class A FCC Part 68 registered Industry Canada CS-03 approved UL 1950

*These specifications are subject to change without notice.

Notice of FCC Compliance

This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when this equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, can cause harmful interference to radio communications. Operating this equipment in a residential area is likely to cause harmful interference in which case the user needs to correct the interference at your own expense.

Warning! This is a Class A product. In a domestic environment, this product can cause radio interference. In which case, you might need to take adequate measures.