

TELTEST Laboratories

Tait Electronics Ltd
PO Box 1645
558 Wairakei Road
Christchurch
New Zealand

Phone: (64) (3) 3583399
Fax: (64) (3) 3580432

20th January 2003

Attention: Mr. A. Leimer

Dear Andrew,

Class 2 Permissive Change to Grant of Approval CASTEL0061

Reference your email 24th December 2002, Correspondence Reference number 24602. My application by way of Class 2 permissive change to add the –1010 product option to the existing CASTEL0061 Grant of Approval -1012 product option, is based on precedents covering the following.

Customer ID	Product Options	RF Power
CASTEL0047	T836-26-1010 Standard	25W
	T836-26-1010 External Reference	25W
CASTEL0048	T856-26-1010 Standard	25W
	T856-26-1012 ExternalReference	25W
CASTEL0049	T857-26-1010 Standard	50W
	T857-26-1012 External Reference	50W
CASTEL0061	<i>T857-26-1010 Standard</i>	<i>100W</i>
	T857-26-1012 External Reference	100W

In it's Standard Paging configuration, the T800 Series 2 Transmitter relies on it's internal reference oscillator (1ppm) to operate. When this same transmitter is released into a Wide Area Paging situation, an external module (T801-20-000 High Stability Oscillator 0.01ppm) is connected to the Transmitter as the External Reference frequency source. In this configuration the Internal Reference frequency Oscillator is not utilised but remains powered up. This belt and braces approach is deliberate and designed to ensure that in the unlikely event the HSO fails, the Internal Frequency Oscillator maintains control of the transmitter. The External Reference Oscillator is an auxiliary module.

In terms of Sec.2.1043 Changes in Certified Equipment, no changes have been made to the transmitter's basic frequency determining and stabilizing circuitry, or the modulator circuitry.

Due to an oversight, test results for the Standard Option (-1010) were not submitted with the High Stability Option (-1012). We are hoping we can correct this by means of a Class 2 Permissive Change. Because the Standard product option -1010 has slightly poorer frequency stability (1ppm versus 0.01ppm for the external reference -1012 product option) it falls logically into the Class2 Permissive change criteria.

Will you please favourably reassess our request to add the -1010 product option to the CASTEL0061 Grant of Approval so it shows the Frequency Tolerance of both Product Options as below. The additional -1010 information is in bold type.

Product Option	FCC Rule Part	Freq. Range	Output Watts	Freq. Tolerance	Emission Designator
1012	22,90	421-512	100	0.01PM	11K3F1D
1012	22,90	421-512	100	0.01PM	12K0F1D
1012	22,90	421-512	100	0.01PM	12K4F1D
1012	22,90	421-512	100	0.01PM	13K2F1D
1010	22,90	421-512	100	1PM	11K3F1D
1010	22,90	421-512	100	1PM	12K0F1D
1010	22,90	421-512	100	1PM	12K4F1D
1010	22,90	421-512	100	1PM	13K2F1D

Yours sincerely,

Des Fox
Compliance Coordinator