

**Effective Radiated Power,**

Pass [X] Fail [ ] N/A [ ]

The EUT was measured on an open area test site (OATS) in accordance to the provisions in Annex A of the standard.

A measuring distance of at least 3 m shall be used for measurements at frequencies up to 1 GHz. For frequencies above 1 GHz, any suitable measuring distance may be used. The equipment size (excluding the antenna) shall be less than 20 % of the measuring distance. The height of the equipment or of the substitution antenna shall be 1,5 m; the height of the test antenna (transmit or receive) shall vary between 1 m and 4 m.

Sufficient precautions shall be taken to ensure that reflections from extraneous objects adjacent to the site do not degrade the measurement results, in particular:

- no extraneous conducting objects having any dimension in excess of a quarter wavelength of the highest frequency tested shall be in the immediate vicinity of the site;
- all cables shall be as short as possible; as much of the cables as possible shall be on the ground plane or preferably below; and the low impedance cables shall be screened.

The EUT shall be placed upon a non-conductive table 1.5 meters above the ground plane and shall be placed in the “worst case” transmitting mode. The EUT shall be rotated 360 degrees to find the azimuth maxima. The receive antenna shall then be raised and lowered between 1 to 4 meters to find the maximum signal emanating from the EUT. Once the maximum has been identified and recorded the EUT is replaced with a tuned dipole at the appropriate frequency and a signal generator is input into the dipole. The level is raised until the same signal strength is achieved. This signal strength is then recorded on the data sheets.

Note: To obtain the effective power the spectrum analyzer was placed in average mode and the time was decreased in order to get a true representation of the effective radiated power in the spectrum.



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### XMTR Effective Radiated Power (ERP)

DNB Job Number:	38044	Date: 30 Sep 2002	<b>Conformance Standard</b> FCC Title 47 Part 95
Customer:	Novak Electronics		
Model Number:	M8	Serial Number:	
Description:	R/C Transmitter		<b>Clause</b> 95.210

#### Environmental Conditions

Ambient Temperature	Relative Humidity		Barometric Pressure					
31 °C	37 %		101.2 kPa					
Rated Radiated Power in W	750mW	Rated Radiated Power in dBm			28.75 dBm			
Polarization of the measurement for the largest power level (Horizontal or Vertical)					Vertical			
TESTS								
Measured Power (W/dBm) and Variation (W/dB)								
Channel 1      Channel 2      Channel 3								
W      dBm      W      dBm      W      dBm								
Measured Radiated Power	0.0813	19.10	N/a	N/a	N/a			
Variation	N/o *	N/o *	N/a	N/a	N/a			
Measurement Uncertainty	+/- 0.5dB							
Limit per FCC Part 95.210	750mW (27.5dBm)							

Notes	N/o * = No Variation observed during test
	Test performed under normal operating conditions

EUT performed within the requirements of the applicable standard     Yes     No