

January 15, 2008

Federal Communications Commission
1270 Fairfield Rd
Gettysburg, PA 17325-7245

RE: FCC FRN: 0004516076

Subject: Request for a racing car data telemetry system

To Whom It May Concern:,

I, Joseph Cappelli, am requesting to operate a racing car telemetry data system at multiple locations during the coming year. Location and dates are as follows:

- February 19-21, 2008 – Sebring, FL – LAT 27.5025 LONG -81.4505
- March 10-15, 2008 – Sebring, FL – LAT 27.5025 LONG -81.4505
- April 3-5, 2008 – St. Petersburg, FL – LAT 27.4554 LONG -82.3752
- April 17-19, 2008 – Long Beach, CA – LAT 33.7706 LONG -118.1820
- April 24-26, 2008 – Houston, TX – LAT 29.7594 LONG -95.3594
- April 29-30, 2008 – Toole, UT – LAT 40.5454 LONG -112.3002
- May 15-18, 2008 – Toole, UT – LAT 40.5454 LONG -112.3002
- June 8-10, 2008 – Lexington, OH – LAT 40.6826 LONG -82.5906
- July 9-12, 2008 – Lakeville, CT – LAT 41.9516 LONG -73.4377
- July 16-19, 2008 – Lexington, OH – LAT 40.6826 LONG -82.5906
- August 6-12, 2008 – Elkhart Lake, WI – LAT 43.8436 LONG -87.9767
- August 28-30, 2008 – Detroit, MI – LAT 42.3474 LONG -83.0604
- October 1-4, 2008 – Braselton, GA – LAT 34.1389 LONG -83.7812
- October 15-18, 2008 – Salinas, CA – LAT 36.6011 LONG -121.6729

This system will use the following specifications:

Parameter	Value
Manufacturer	McLaren Electronic Systems Ltd
Type designation	CBT-610
Use of the equipment	Telemetry
Equipment category	Transmitter
Mode of operation	Continuous Simplex
Duty cycle	100%
Frequency range	1450 - 1650MHz

Tuning step size	2MHz
Channel Spacing	Reduced performance with 4 MHz separation Ideally min 6MHz channel separation is required
Transmission type	COFDM
Bandwidth	2MHz (99% power bandwidth)
Frequency deviation	Not applicable
Output power	Switchable between 0.1W (Low-power mode) and 1W (Normal) Measured at unit output connector
Modulation ITU Class:	2M00D7D
Power supply	External supply. 11.5 - 16V DC max 3.5A
Antenna	Requires external antenna mounted on vehicle. Recommended part is an omnidirectional blade with max 3dBi gain

During the above dates, we will be testing a racing car telemetry data system manufactured by McLaren Electronic Systems Ltd, Chertsey Road, Woking, Surrey, GU21 4YH, United Kingdom. This system provides sending and receiving capability of data streams from a moving race car on a closed race track to a base station.

If you have any questions, do not hesitate to contact me at (661) 294-7327. I look forward to a favorable response to my request.

Sincerely,

Joseph Cappelli