4. Particulars of operation

Frequency	Power			Emission	Modulating	Necessary Bandwidth (kHz)
(A)	(B)	(C)	(D)	(E)	(F)	(G)
88.0 (MHz)	65 mw	10 nw	MEAN	N	F3	150
89.2 (MHz)	65 mw	10 nw	MEAN	N	F3	150
90.0 (MHz)	65 mw	10 nw	MEAN	N	F3	150
91.1 (MHz)	65 mw	10 nw	MEAN	N	F3	150
91.9 (MHz)	65 mw	10 nw	MEAN	N	F3	150
92.7 (MHz)	65 mw	10 nw	MEAN	N	F3	150
94.3 (MHz)	65 mw	10 nw	MEAN	N	F3	150
95.3 (MHz)	65 mw	10 nw	MEAN	N	F3	150
96.3 (MHz)	65 mw	10 nw	MEAN	N	F3	150
97.1 (MHz)	65 mw	10 nw	MEAN	N	F3	150
98.2 (MHz)	65 mw	10 nw	MEAN	N	F3	150
99.0 (MHz)	65 mw	10 nw	MEAN	N	F3	150
100.1 (MHz)	65 mw	10 nw	MEAN	N	F3	150
101.2 (MHz)	65 mw	10 nw	MEAN	N	F3	150
102.3 (MHz)	65 mw	10 nw	MEAN	N	F3	150
103.2 (MHz)	65 mw	10 nw	MEAN	N	F3	150
104.1 (MHz)	65 mw	10 nw	MEAN	N	F3	150
105.1 (MHz)	65 mw	10 nw	MEAN	N	F3	150
106.1 (MHz)	65 mw	10 nw	MEAN	N	F3	150
107.3 (MHz)	65 mw	10 nw	MEAN	N	F3	150

10. Explanation of intended experiment

Toyota Technical Center (TTC) is a R&D facility for North American Toyota Vehicles. We are planning to tune antenna systems for radio reception in the United States beginning next fall.

To tune these antenna systems, we have constructed a site at our proving grounds located in Wittmann, AZ. The test equipment will consist of a signal generator (HP8656), dipole antenna, and measuring devices.

In order to tune these antenna systems, it is necessary for us to emit FM signals using a signal generator and dipole antenna and measure the captured signal by the vehicle antenna. For this reason, we are requesting authorization for us to emit selected frequencies to tune antenna systems to enhance radio reception for U.S. conditions.