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167PL03

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Carl:

Below please find an explanation for the request for up to 1000 units on an experimental license in the MAS band.

After the FCC auction 42, Telephone and Two-Way was awarded 40 MTA Licenses in the MAS frequency band. We are currently working with a 900 SMR licensee developing a vehicle, tracking transactional RF service. We have a provisional patent pending (# 60/406,965), We have developed new protocols for sending transactional and vehicle location information using standard analog radio transmission. If the experimental license is granted, we intend to move the product development into the MAS MTA channels. Currently there is no RF equipment available in the band to meet our need. We have talked to several manufactures of RF products and minimum affordable production of RF equipment would be 2500+ units. Before a commitment of this size can be made, we need to run multiple parallel test of beta RF equipment in all areas of the MTA before we are able to spec the final design for the new equipment. This will give us the ability to produce the most efficient and cost effective product. Our intentions are to create several batches of radios with different power, selectivity, and sensitivity, and run extensive test in multiple environments and uses. The results of these tests will help to develop the specifications for the final product, and help to solidify a business plan, based on factual information allowing the best path to a successful business operation. The next steps will be filing for type acceptance and contracting with a manufacture to produce the end product. After receiving type acceptance we intend to offer this new technology to licensees in the MAS band, bringing a greater value to licensees and effective spectrum use to an under utilized spectrum.