

From: William Starnes

To: Anthony Serafini

Date: June 02, 2005

Subject:

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Message:

We are requesting the ability to use 201 discrete frequencies in order to test the ability of our interference cancellation systems to properly protect the US Coast Guard's Deepwater vessels. There are 100 channels in the VHF Low band (30-88 MHz) for use with frequency agile SINCGARS radios, 1 channel in the VHF aviation band (122.9MHz, a multi-com frequency assigned to the US Coast Guard for Search and Rescue Training), 2 channels in the VHF Marine band and 98 channels in the UHF band (225 - 400 MHz, to support frequency agile AN/ARC-210 radios).

The actual incidents of live transmissions will be very rare. Most of the testing will be into dummy loads, with live transmissions only to verify that the design will work with the actual antennas. All frequencies will be monitored for traffic prior to use to assure that we will not interfere with any other communications.

The sets of requested frequencies are:

VHF Low: 30.000MHz, 30.500MHz, 31.050MHz, 31.700MHz, 32.350MHz, 32.900MHz, 33.500MHz, 34.150MHz, 34.800MHz, 35.300MHz, 35.925MHz, 36.675MHz, 37.025MHz, 37.575MHz, 38.200MHz, 38.850MHz, 39.375MHz, 40.000MHz, 40.500MHz, 41.050MHz, 41.700MHz, 42.350MHz, 42.900MHz, 43.500MHz, 44.150MHz, 44.800MHz, 45.300MHz, 45.925MHz, 46.675MHz, 47.025MHz, 47.575MHz, 48.200MHz, 48.850MHz, 49.375MHz, 50.000MHz, 50.500MHz, 51.050MHz, 51.700MHz, 52.350MHz, 52.900MHz, 53.500MHz, 54.150MHz, 54.800MHz, 55.300MHz, 55.925MHz, 56.675MHz, 57.025MHz, 57.575MHz, 58.200MHz, 58.850MHz, 59.375MHz, 60.000MHz, 60.500MHz, 61.050MHz, 61.700MHz, 62.350MHz, 62.900MHz, 63.500MHz, 64.150MHz, 64.800MHz, 65.300MHz, 65.925MHz, 66.675MHz, 67.025MHz, 67.575MHz, 68.200MHz, 68.850MHz, 69.375MHz, 70.000MHz, 70.500MHz, 71.050MHz, 71.700MHz, 72.350MHz, 72.900MHz, 73.500MHz, 74.150MHz, 74.800MHz, 75.300MHz, 75.925MHz, 76.675MHz, 77.025MHz, 77.575MHz, 78.200MHz, 78.850MHz, 79.375MHz, 80.000MHz, 80.500MHz, 81.050MHz, 81.700MHz, 82.350MHz, 82.900MHz, 83.500MHz, 84.150MHz, 84.800MHz, 85.300MHz, 85.925MHz, 86.675MHz, 87.025MHz, 87.575MHz, 88.000MHz

VHF Aviation: 122.900MHz (Coast Guard Search and Rescue Training channel)

VHF Marine: 151.375MHz, 173.575MHz

UHF: 225.025MHz, 226.750MHz, 228.400MHz, 230.250MHz, 231.750MHz, 233.875MHz, 235.575MHz, 237.275MHz, 238.925MHz, 240.625MHz, 242.550MHz, 244.325MHz, 245.750MHz, 247.050MHz, 248.750MHz, 249.975MHz, 251.875MHz, 253.600MHz, 255.150MHz, 256.975MHz, 258.750MHz, 260.300MHz, 262.025MHz, 264.125MHz, 265.750MHz, 267.475MHz, 268.875MHz, 270.925MHz, 273.250MHz, 274.875MHz, 276.550MHz, 278.225MHz, 279.725MHz, 281.800MHz, 283.525MHz, 285.200MHz, 288.500MHz, 290.150MHz, 291.900MHz, 293.725MHz, 296.900MHz, 298.775MHz,