To: Michael.Biggs@faa.gov
Cc: Snyder, Dave
Subject: Harris SCAT-1 Transmitter Certification

Mr. Biggs-

We have completed our tests and can stipulate that we pass the tests of DO-217 Change 2, section F.6.1.

If there is any further information that I can provide to you, please respond to this e-mail or call me at:

1-(716)-242-3847

Thank you-

John Lundberg

From: Lundberg, John
Sent: Tuesday, October 10, 2000 4:56 PM
To: 'Michael.Biggs@faa.gov'
Cc: Snyder, Dave
Subject: RE: Harris SCAT-1system certification

Mr. Biggs-

Since receiving your letter, I have reviewed Section F.6.1 of RTCA/DO-217 Change 2, which deals with testing of the Transmitter "Physical Layer". I made a table of requirements, and determined whether or not we have data that shows compliance with each. We have been collecting the necessary data, which in most cases was available in the LAAS and SCAT-1 Qualification Test Data. I expect to be able to reply to your second question in the affirmative this week.

As to the first question, the PEP/Ave ratio for the D8PSK waveform is 3.7 dB, so the PEP of the 20 watt (average) waveform is 47 watts.

We are supplying the transmitter and monitor receiver to Navia. Navia is supplying the antenna; I must refer you to Atle Kristiansen (Atle-b.Kristiansen@naviaav.no) for information on the antenna.

If you have any other questions, please contact me.

Thank you-

John Lundberg
-----Original Message-----
From: Michael Biggs [mailto:Michael.Biggs@faa.gov]
Sent: Thursday, August 31, 2000 4:21 PM
To: dsnyder@harris.com
Cc: Donald.Willis@faa.gov; Donald.Willis@faa.gov
Subject: Harris SCAT-1system certification

Mr. Snyder -

I have been tasked by George Sakai with reviewing your proposal for certification of the Harris SCAT-1 landing and approach system as reflected in your August 8, 2000 letter. Toward that end, I have two questions:

1. I note you list output power as 20 Watts average; what is the peak transmitted power and peak antenna gain, and
2. Does your system meet the standards of the latest version of RTCA/DO-217 (the SCAT-1

MASPS). If not, please explain any deviations.
Thank you for your time. If you have any questions, feel free to contact me at 202-267-8241.
Mike Biggs
michael.biggs@faa.gov