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TO

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~~CONFIDENTIAL COMINT CHANNELS~~

FOR (VISITING)

GRATEFUL IF YOU WOULD PERFORM FOLLOWING MEASUREMENTS
DURING TDY, AS PREVIOUSLY DISCUSSED, AND SUBJECT TO
AVAILABILITY OF EQUIPMENT.

2. FIRST TASK INVOLVES USE OF THE PLESSEY PVS-560 BEAM DISPLAY
UNIT TO MEASURE +EFFECTIVE+ POLAR PATTERN OF THE CDAA.
MEASUREMENTS SHOULD BE MADE FOR (A) LOCAL, SURFACE WAVE
PROPAGATED SIGNALS AND (B) STABLE, DISTANT SIGNALS PROPAGATED
IONOSPHERICALLY. OBJECT IS TO MAKE QUANTITATIVE MEASUREMENTS
OF THE RESPONSE OF EACH BEAM RELATIVE TO THE MAXIMUM RESPONSE,
FOR MAXIMUM RESPONSE CORRESPONDING TO EACH OF THE 24 BEAMS.
IT IS LIKELY OF COURSE THAT SUITABLE SIGNALS WILL
NOT BE AVAILABLE FOR ALL BEAMS (DIRECTIONS).

SUGGEST THAT CDAA, DISTRIBUTION SYSTEM AND PUS560 DISPLAY
FIRST BE CHECKED USING CENTRALLY RADIATED SIGNAL FROM
TEST MONOPOLE

2. SECOND TASK IS TO PREPARE SAY THREE 24-HOUR RECORDS
OF PEAK SIGNAL ACTIVITY IN THE 2 TO 22MHZ SPECTRUM
USING THE STATION'S MARCONI SPECTRUM ANALYSER WITH
DIGITAL STORAGE. DETAILS SHOULD ALLOW COMPARISON OF RESULTS
WITH PREVIOUS RECORDS (HELD BY YOU).

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