

NNNN

DIST: DP ADS SER SER4 AGR
((FILE: 30/4/42))

PP [REDACTED]

PP [REDACTED]

DE [REDACTED] £1189 1370115

BY MMNSH

P 170114Z MAY 79

FM DSD

TO DRCS

INFO DEFNAV CANBERRA ✓

ZEM

~~CONFIDENTIAL COMINT CHANNELS~~

DRCS FOR A/PO/IS

DEFNAV FOR DCPD/DNCD

SUBJECT: SHOAL BAY CDAA ASYMMETRY

REF: TELECON [REDACTED] 17 MAY

THE FOLLOWING SIGNAL IS REPEATED FOR YOUR INFORMATION

R 140540Z MAY 79

FM DSD

TO DEFNAV CANBERRA

~~CONFIDENTIAL COMINT CHANNELS~~

DEFNAV FOR DNCD/DCPD

CDAASYMMETRIC RESPONSE DURING CONFIDENCE CHECKS AT SHOAL BAY

DURING A RECENT VISIT TO SHOAL BAY BY [REDACTED] OF DSD

IT WAS NOTICED THAT THE PEAK TO PEAK VARIATION OF BEAM LEVELS USING A CENTRALLY RADIATED TEST SIGNAL APPEARED TO BE EXCESSIVE.

2. IN ORDER TO QUANTIFY THE DEGREE OF ASYMMETRY AND TO LOCATE THE CAUSE, IT IS REQUESTED THAT ONE OF THE DAILY OPERATOR CONFIDENCE CHECKS USING THE PVS-560 BE CARRIED OUT FOR EACH OF THE FOLLOWING SITUATIONS -

A) WITH TEST MONOPOLE DISCONNECTED AT BF HUT AND REPLACED BY A RESISTIVE LOAD - THIS WILL INDICATE IF STRAY SIGNAL IS EMANATING FROM TEST EQUIPMENT.

B) WITH RF SOURCE LOCATED IN BF HUT - THIS WILL REMOVE ANY LOOP CONDITIONS IN THE SIGNAL PATH.

3. BEFORE PERFORMING THE CHECKS, THE TEST MONOPOLE SHOULD BE VERTICAL.

4. IF THESE TESTS DO NOT REVEAL THE CAUSE OF THE ASYMMETRY, IT IS REQUESTED THAT A RECORD BE MADE OF THE HEIGHTS OF EACH VERTICAL BAR ON THE PVS-560 DISPLAY FOR FREQUENCIES FREE OF INTERFERENCE THROUGHOUT THE BAND. FREQUENCIES AT APPROXIMATELY ONE MHZ INTERVALS ARE PREFERRED. RESULTS SHOULD BE FOWARDED TO DSD FOR ATTENTION SER.

£1189

Declassified by ASD - 10/05/2022
Information removed for national
security and/or personal sensitivities

NNNN