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SIMULTANEOUS DUAL POLARIZATION RADAR SYSTEMS OFFERED BY EEC ARE COVERED BY ONE OR MORE OF THE FOLLOWING PATENTS: US 6,859,163, US 6,803,875. VARIOUS ADDITIONAL DOMESTIC AND INTERNATIONAL PATENTS HAVE BEEN APPLIED FOR.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

FEDERAL REGULATION 2.1049, OCCUPIED BANDWIDTH  
FOR DWSR-2001X METEOROLOGICAL RADAR

PULSE WIDTH = 1.0 MICROSECONDS, PRF 1180

FREQUENCY 9350 MHZ

MAJOR LOBE WIDTH = 1.9 MHZ

MINOR LOBE WIDTH = .9 MHZ

LOBE AREA =  $1/2$  LOBE WIDTH  $\left( \frac{1}{\log^{-1} \frac{dB}{10}} \right)$

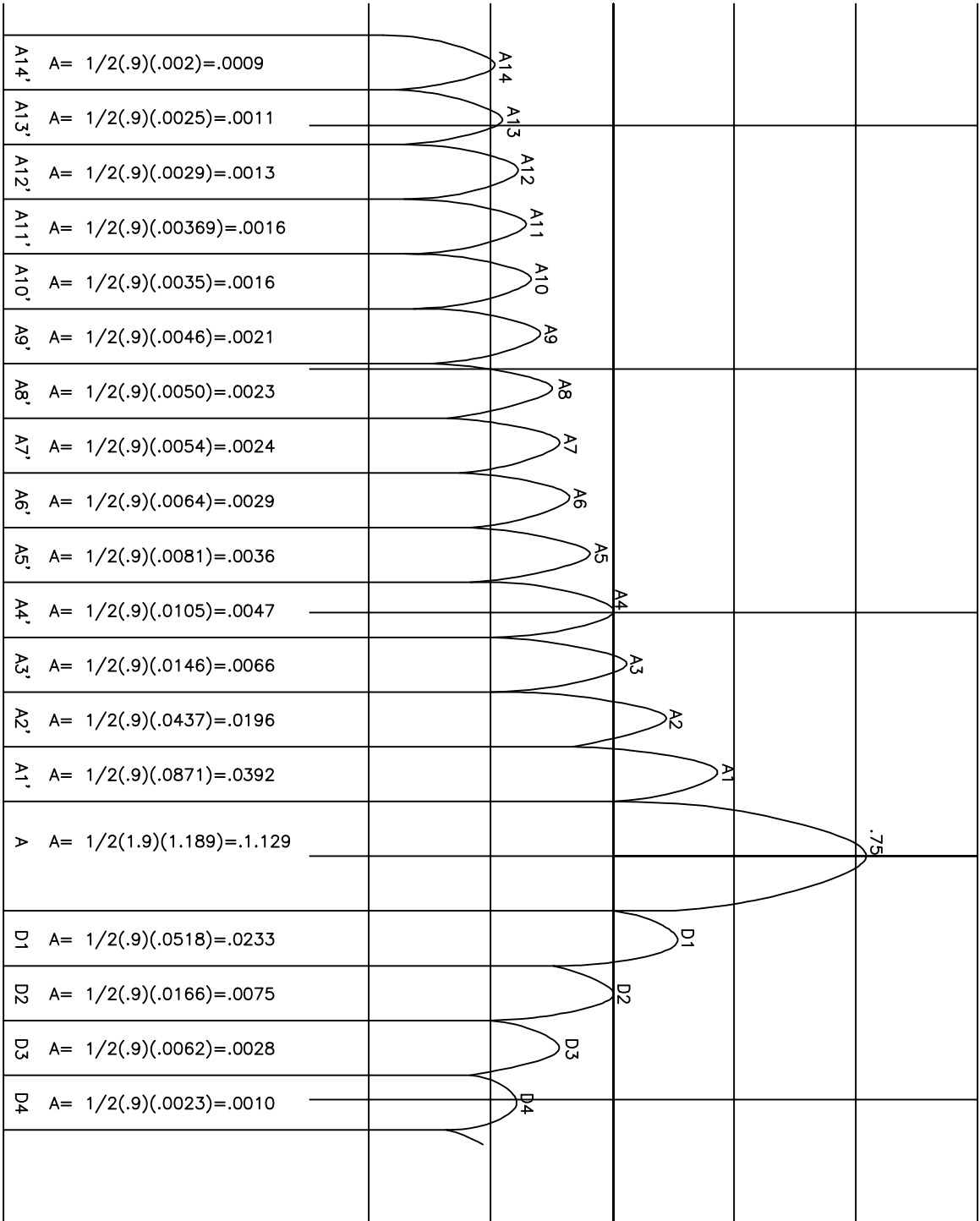
A11 THROUGH A7' = 2.829

MEAN RADIATED POWER = 2.829 X .99 = 2.8

A10 THROUGH A6' = 2.828

OCCUPIED BANDWIDTH = A2 - A9 = 25.46 MHZ

EMISSION DESIGNATOR, 11M25PON



A	1	2	3	4	5	6	7	8	9	10	11	12	13	14
GL	-10.6000	-13.6000	-18.3500	-19.7900	-20.9100	-21.9400	-22.7000	-22.9700	-23.4000	-24.5500	-24.4700	-25.3100	-25.9500	-26.8900
D	1	2	3	4										
GH	-12.8600	-17.8100	-22.0700	-26.3900										

FEDERAL REGULATION OCCUPIED BANDWIDTH			
SIZE	CODE	IDENT NO.	DRAWING NO.

POSTED BY	APPR./DATE	SCALE	NONE	08EOH09	SHEET	1 OF 1
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