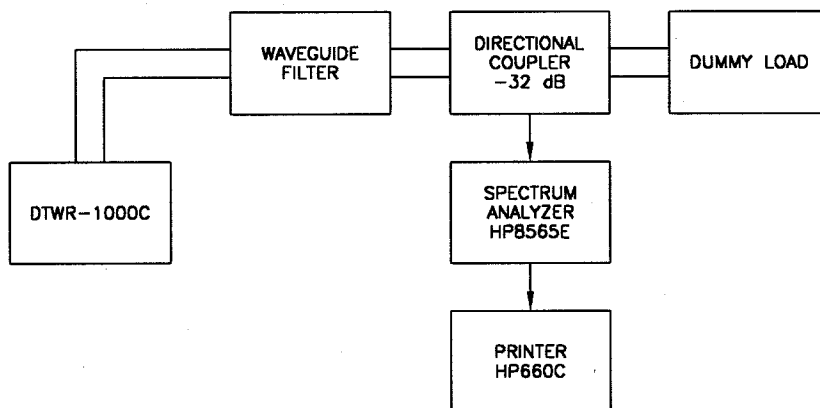
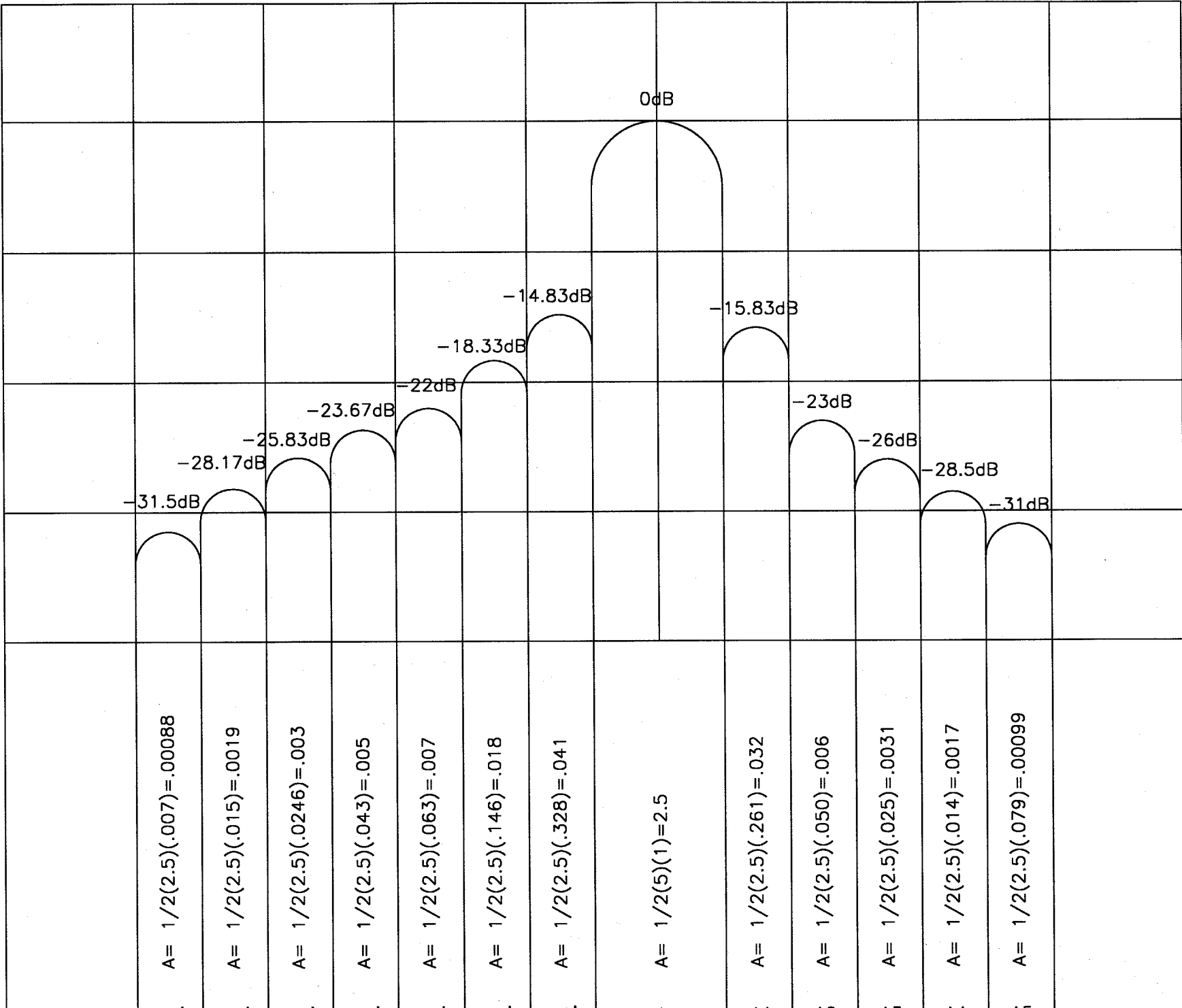


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



OCCUPIED BANDWIDTH
DATA MEASURED AT 5600 MHz

SIZE	CODE IDENT NO.	DRAWING NO.
A	50187	SK-1768
APPR./DATE	SCALE	SHEET 1 OF 1
		5718



FEDERAL REGULATION 2.1049, OCCUPIED BANDWIDTH
FOR DTWR-1000C METEOROLOGICAL RADAR

PULSE WIDTH = 0.4 MICROSECONDS, PRF 1180

FREQUENCY 5597 MHz

MAJOR LOBE WIDTH = 5.0 MHz

MINOR LOBE WIDTH = 2.5 MHz

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

A5 THROUGH A7' = 2.620

MEAN RADIATED POWER = 2.620 X .99 = 2.594

A4 THOUGH A6' = 2.618

OCCUPIED BANDWIDTH = A2 - A5 = 13.09 MHz

EMISSION DESIGNATOR, 11M25P0N