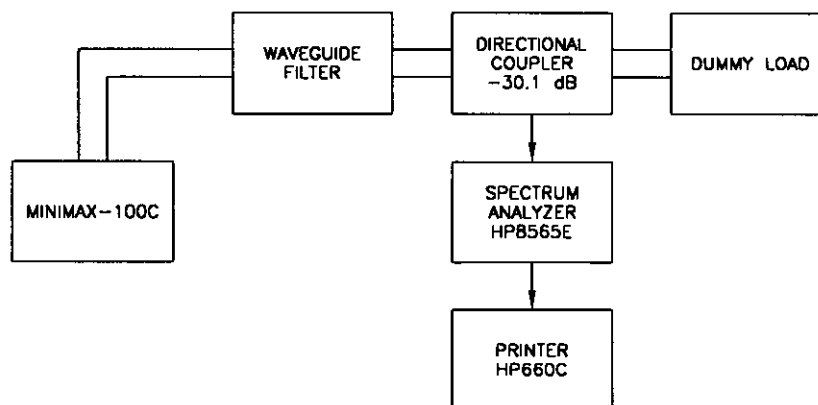


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



OCCUPIED BANDWIDTH
DATA MEASURED AT 5660 MHz

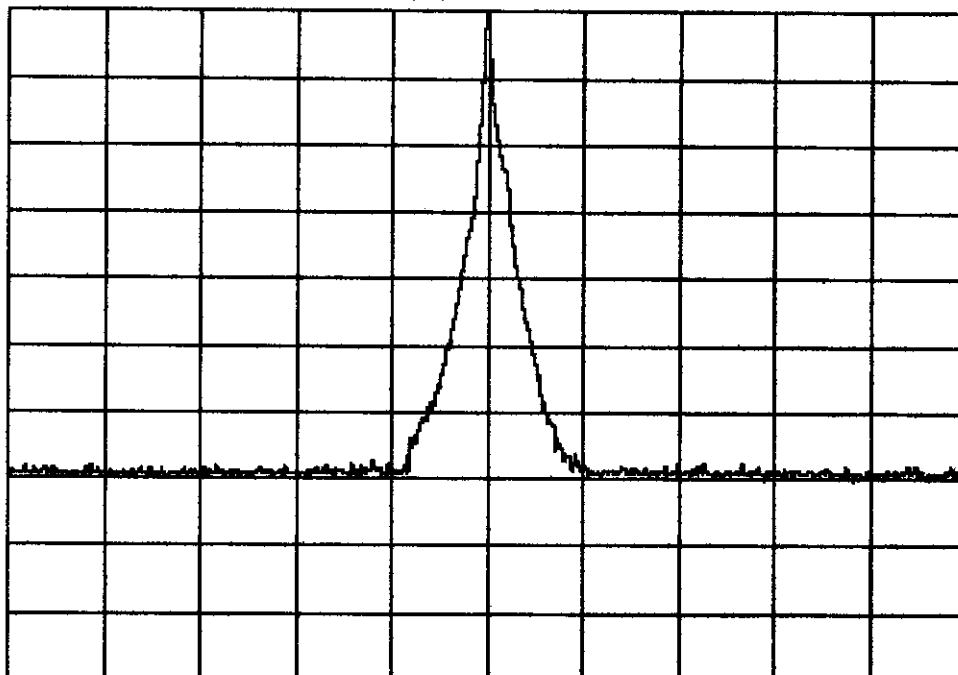
AD 06/04/03	SIZE A	CODE IDENT NO. 50187	DRAWING NO. SK-1894
APPR./DATE	SCALE	9931	SHEET 1 OF 1

ATTEN 10dB

RL 0dBm

10dB/

D



CENTER 5.660GHz

SPAN 1.000GHz

RBW 1.0MHz

*VBW 300kHz

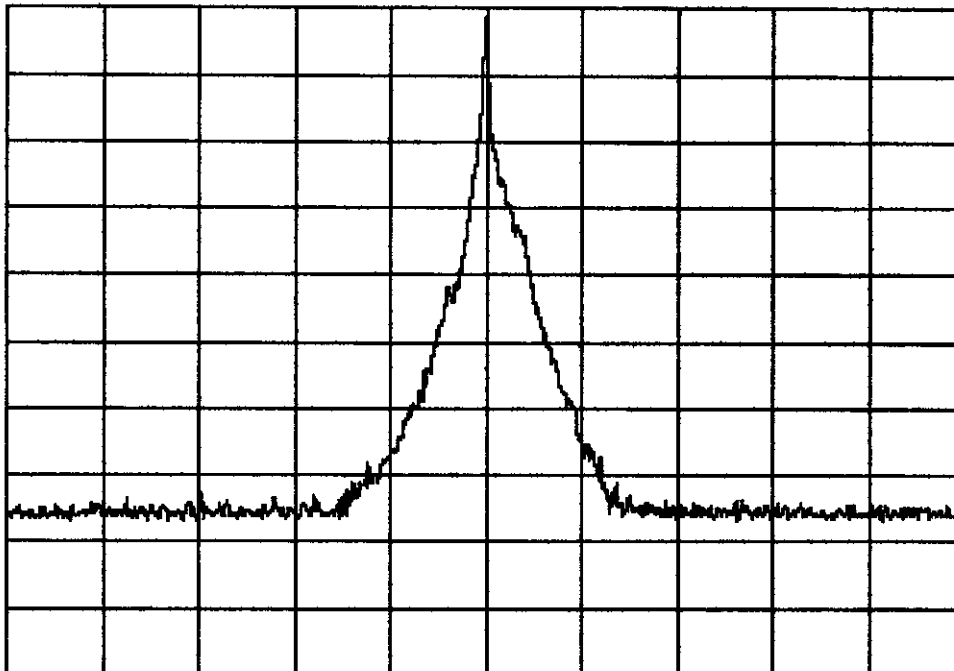
*SWP 10.0sec

ATTEN 10dB

RL 0dBm

10dB/

D



CENTER 5.6600GHz

SPAN 500.0MHz

*RBW 100kHz

*VBW 300kHz

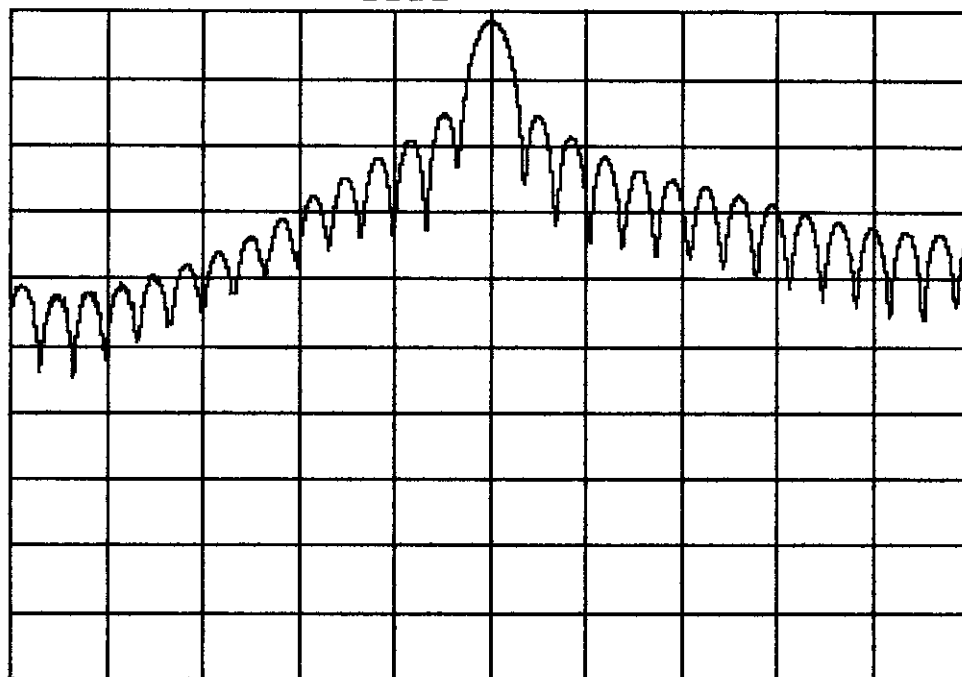
*SWP 10.0sec

ATTEN 10dB

RL 0dBm

10dB/

D



CENTER 5.66000GHz

SPAN 40.00MHz

*RBW 100kHz

*VBW 300kHz

*SWP 10.0sec

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REV	DESCRIPTION	DATE	APPROVED

FEDERAL REGULATION 2.1049, OCCUPIED BANDWIDTH FOR MINIMAX-100C METEOROLOGICAL RADAR

PULSE WIDTH = 0.8 MICROSECONDS, PRF 1180

FREQUENCY 5660 MHz

MAJOR LOBE WIDTH = 2.73 MHz

MINOR LOBE WIDTH = 1.4 MHz

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

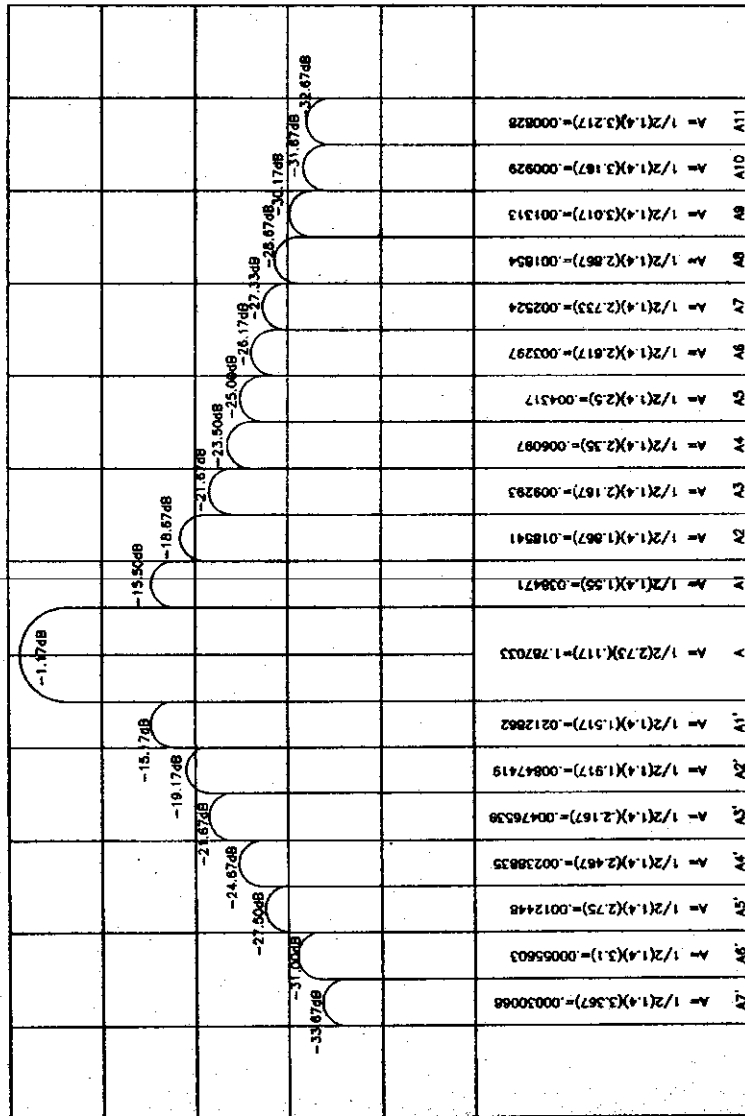
A11 THROUGH A7' = 2.829

MEAN RADIATED POWER = 2.829 X .99 = 2.8

A10 THROUGH A6' = 2.828

OCCUPIED BANDWIDTH = A2 - A9 = 25.46 MHz

EMISSION DESIGNATOR, 11M25P0N



Minimax-100C Occupied Bandwidth	
A.D.	04/03/01
REV	B 50187
DATE	SK-1895
REV	9931