

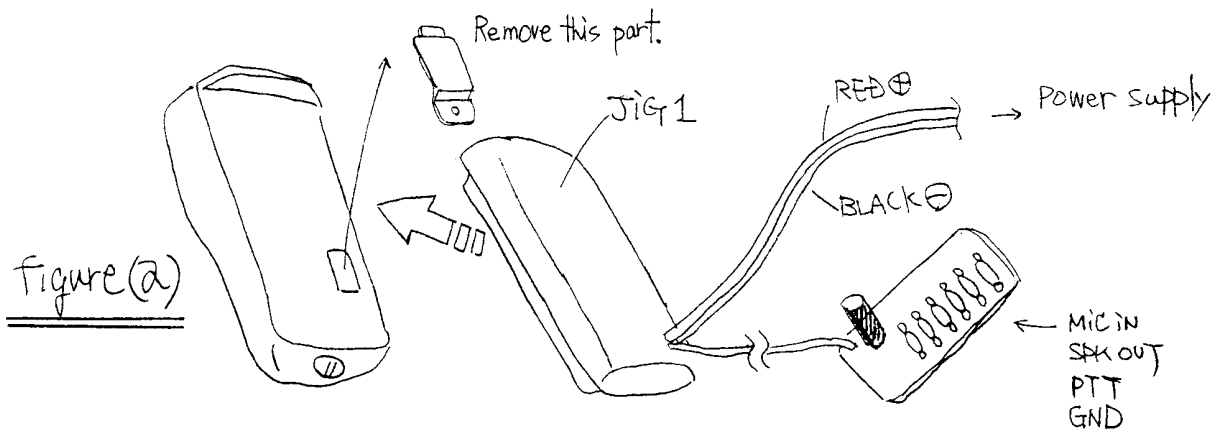
## Explanation of JIGs



It is different from the mention of Alignment procedure (5.Adjustment) , Please use jig 1 and jig 2 packed together for the adjustment and measurement of HX260S.

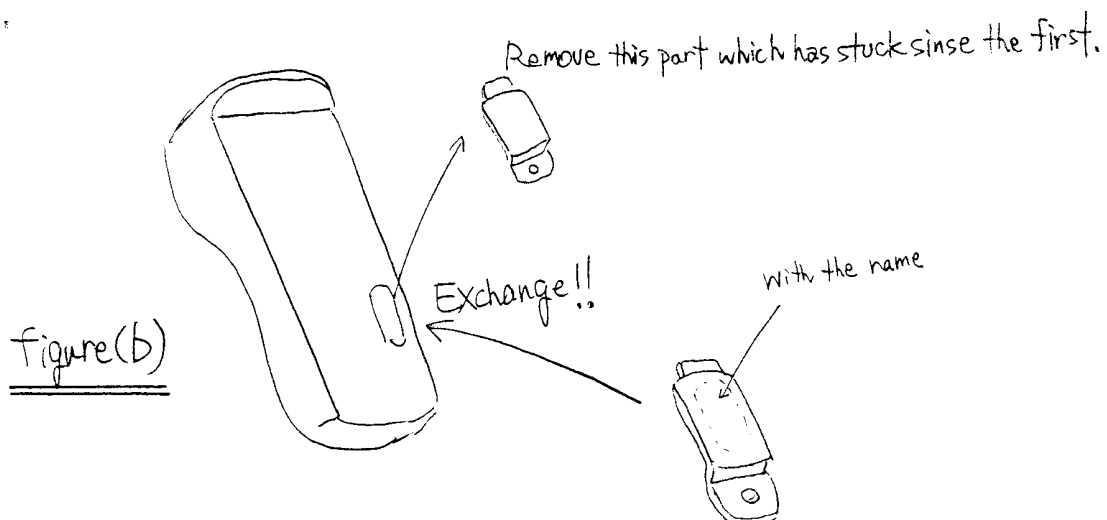
① JIG 1 can be used for all the Adjustment and measurement except for the Field strength of Spurious Radiation from Internal Radio.

Even if a radio isn't taken, The apply of Power Supply Voltage(DC 7.2V),the signal input of audio frequency(MIC IN), the signal output of Audio frequency(SPK OUT),and the switch of transmitting(PTT) can be done as this jig is attached to the radio as it is shown in the figure(a).



② JIG B can be used for Field strength of Spurious Radiation from Internal Radio only.

It is already transmission when it turns on the radio if this jig is attached as the figure (b).



## 9. TEST DATA

<b>Model Name</b>	: HX260S		
<b>Sample Number</b>	: Sample-1/Sample-2		
<b>Specification is Referenced</b>	: EIA/TIA-603		
<b>Emission Type</b>	: 16K0F3E		
<b>Channel Spacing</b>	: 25		(kHz)
<b>Description</b>	: Portable		
<b>Mode</b>	: FM		
<b>Frequency Range</b>	<b>TX</b>	: 156.025-157.425	(MHz)
	<b>RX</b>	: 156.050-163.275	(MHz)
<b>Test Voltage</b>	<b>Normal</b>	: 7.2	(V)
	<b>Extreme</b>	: (7.2*0.85)	(V)
		: (7.2*1.15)	(V)
<b>Temperature</b>	<b>Normal</b>	: 25	(°C)
	<b>Extreme</b>	: -20 ~ +50	(°C)
<b>Test Frequency</b>	<b>TX</b>	: 156.800	(MHz)
	<b>RX</b>	: 156.800	(MHz)
<b>1st IF</b>	<b>RX</b>	: -21.8	(MHz)
<b>2nd IF</b>	<b>RX</b>	: 450	(kHz)
<b>Microphone impedance</b>	: 2200		(Ω)
<b>Speaker Impedance</b>	: 8		(Ω)
<b>Rated RF Power</b>	<b>HIGH</b>	: 5	(W)
	<b>LOW</b>	: 1	(W)
<b>Test Operator</b>	: H.Hoshino / K.Atsuta		
<b>Test Date</b>	<b>Start</b>	: 2000/6/7	
	<b>Finish</b>	: 2000/6/13	

Model Name	:HX260S	Emission Type	:16K0F3E
FCC ID	:K66HX260S	Channel Spacing	:25[kHz]
Serial Number	:sample1	Band Type	:C

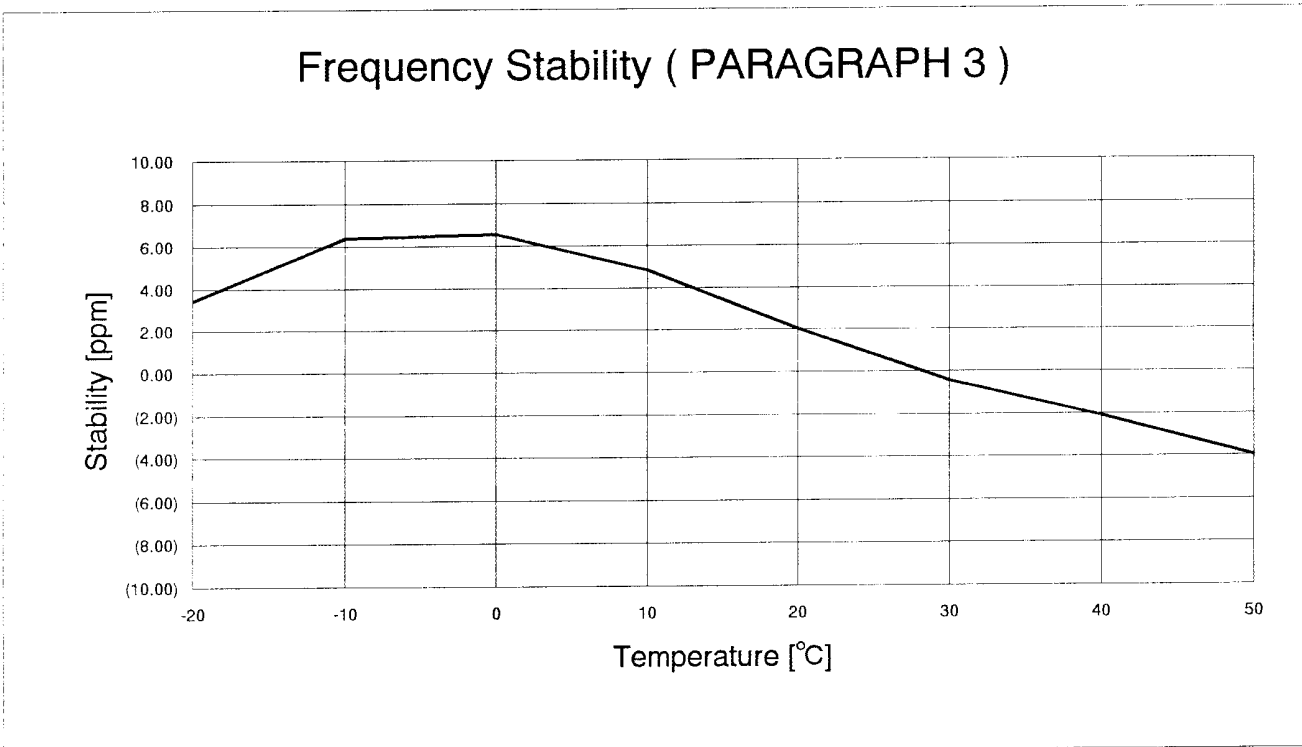
Carrier Power Output Rating ( PARAGRAPH 1 )

Carrier Frequency [MHz]	RF Power HIGH	RF Power LOW
	[W]	[W]
156.8	4.96	0.82

Carrier Frequency Stability - Voltage Variation ( PARAGRAPH 2 )

STV [%]	Voltage [V]	Change in Frequency		
		[MHz]	[Hz]	[ppm]
100	7.2	156.80006	60	0.38
85	6.12	156.80008	80	0.51
115	8.28	156.80007	70	0.45

Carrier Frequency Stability - Temperature Variation ( PARAGRAPH 3 )



Model Name :HX260S Emission Type :16K0F3E  
 FCC ID :K66HX260S Channel Spacing :25[kHz]  
 Serial Number :sample1 Band Type :C

Conducted Spurious Emission ( PARAGRAPH 4 ) POWER:HIGH

	Carrier Freq					
	156.8 MHz					
	Emission Frequency [MHz]	Spurious Attenuation [dB]	Emission Frequency [MHz]	Spurious Attenuation [dB]	Emission Frequency [MHz]	Spurious Attenuation [dB]
2nd	313.6	-76.5				
3rd	470.4	-72.3				
4th	627.2	-90.0				
5th	784.0	-81.0				
6th	940.8	-86.6				
7th	1097.6	-83.0				
8th	1254.4	-84.0				
9th	1411.2	-85.0				
10th	1568.0					

Conducted Spurious Emission ( PARAGRAPH 5 ) POWER:LOW

	Carrier Freq					
	156.8 MHz					
	Emission Frequency [MHz]	Spurious Attenuation [dB]	Emission Frequency [MHz]	Spurious Attenuation [dB]	Emission Frequency [MHz]	Spurious Attenuation [dB]
2nd	313.6	-72.6				
3rd	470.4	-77.2				
4th	627.2	-77.2				
5th	784.0	-80.2				
6th	940.8	-83.2				
7th	1097.6	-85.0				
8th	1254.4					
9th	1411.2					
10th	1568.0					

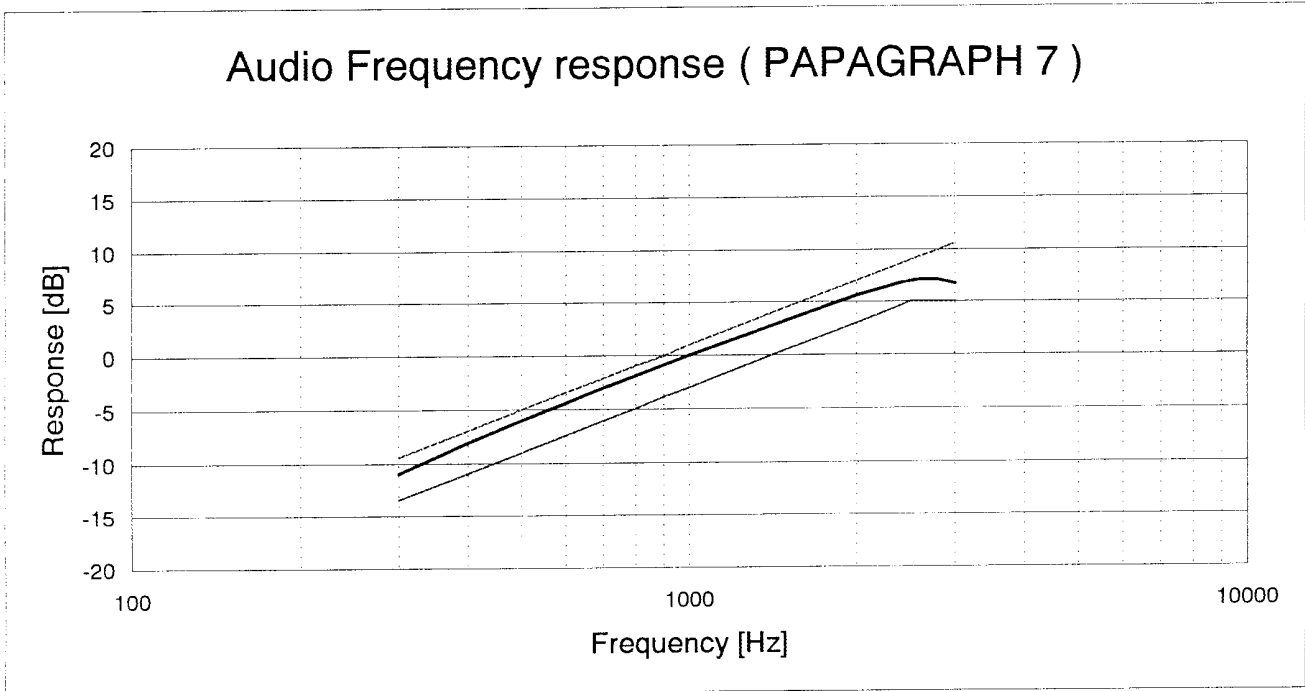
Field Strength of Spurious Radiation ( PARAGRAPH 6 ) POWER:HIGH

	Carrier Freq					
	156.8 MHz					
	Emission Frequency [MHz]	Spurious Attenuation [dBm]	Emission Frequency [MHz]	Spurious Attenuation [dBm]	Emission Frequency [MHz]	Spurious Attenuation [dBm]
2nd	313.6	-14.6				
3rd	470.4	-29.9				
4th	627.2	-26.0				
5th	784.0	-41.5				
6th	940.8	-49.5				
7th	1097.6					
8th	1254.4					
9th	1411.2					
10th	1568.0					

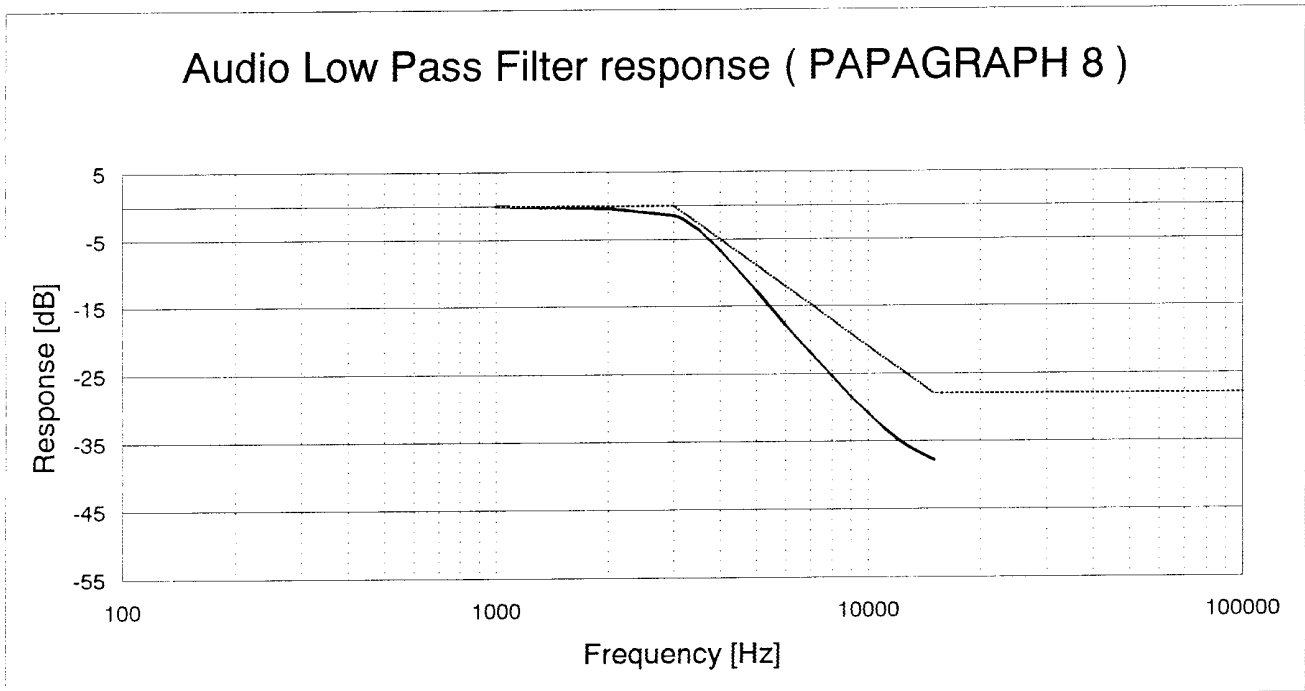
Model Name :HX260S  
FCC ID :K66HX260S  
Serial Number :sample1

Emission Type :16K0F3E  
Channel Spacing :25[kHz]  
Band Type :C

Audio Frequency Response ( PARAGRAPH 7 )



Audio Low Pass Filter Response ( PARAGRAPH 8 )



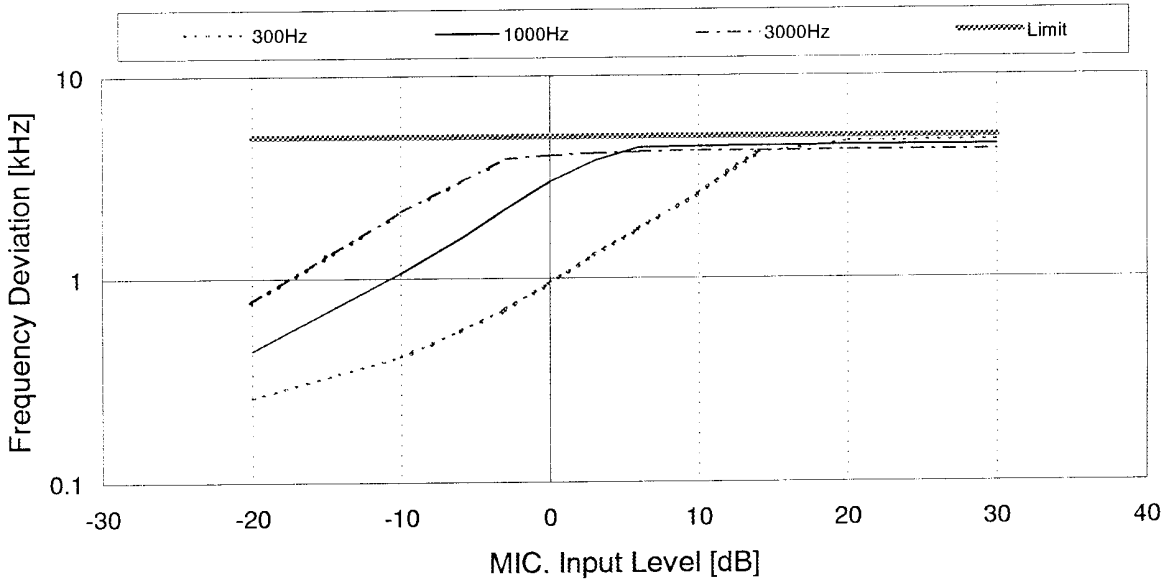
Model Name	:HX260S	Emission Type	:16K0F3E
FCC ID	:K66HX260S	Channel Spacing	:25[kHz]
Serial Number	:sample1	Band Type	:C

Modulation Limiting ( PARAGRAPH 9 )

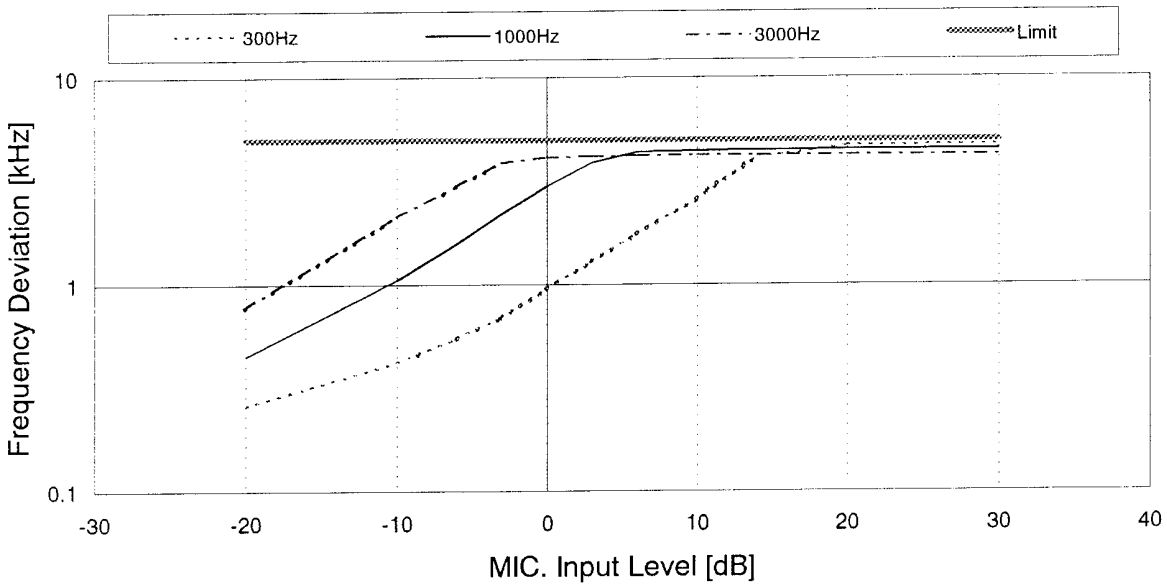
0dB =

6.0[mV]

### MIC.Input Level v.s Frequency Deviation Positive Peak(PAPAGRAPH 10 )



### MIC.Input Level v.s Frequency Deviation Negative Peak(PAPAGRAPH 11 )



Model Name :HX260S  
FCC ID :K66HX260S  
Serial Number :sample1

Emission Type :16K0F3E  
Channel Spacing :25[kHz]  
Band Type :C

Conducted Spurious Emission  
( PARAGRAPH 12 )

Frequency Tuned [MHz]	Frequency Emission [MHz]	Level [dBm]
156.8	135.4	-68.0
156.8	270.8	-75.0
156.8	406.2	-75.0
156.8	541.6	-75.0
156.8	677.0	-75.0
156.8	812.4	-75.0
156.8	947.8	-75.0
156.8	1083.2	-75.0
156.8	1218.6	-75.0
156.8	1354.0	-75.0

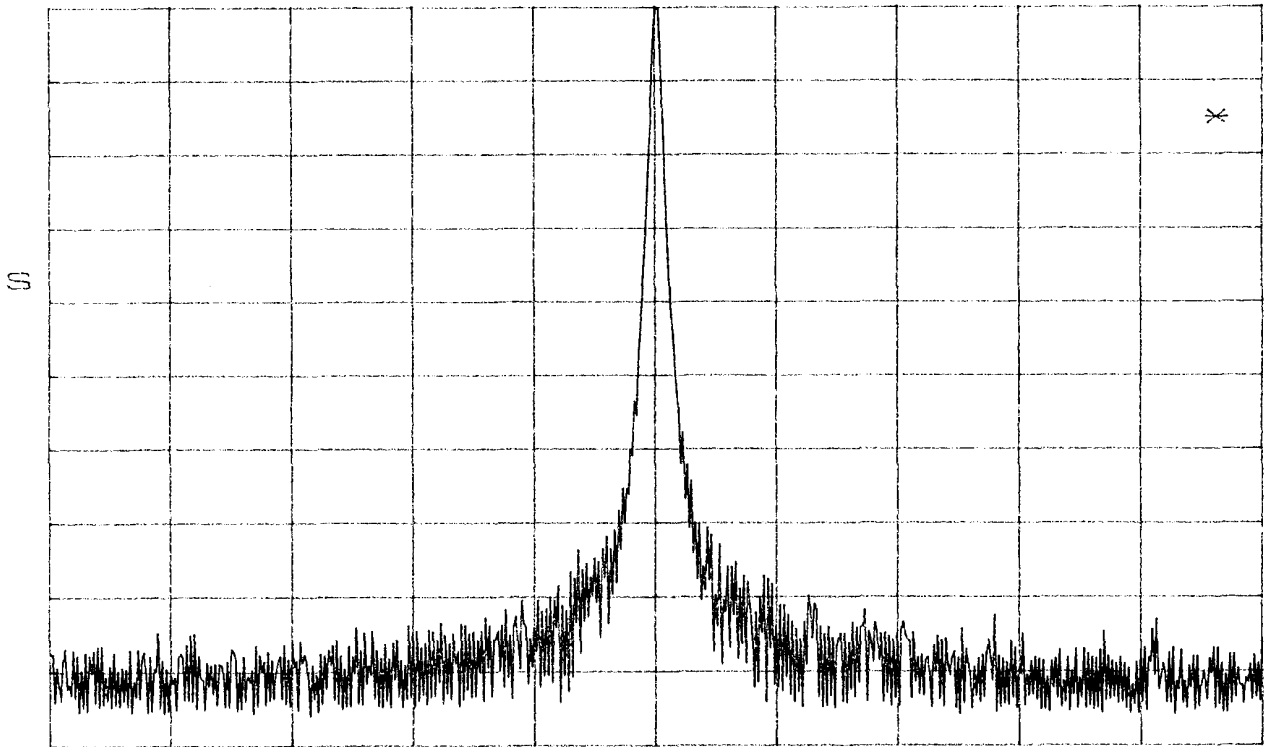
Field Strength of Spurious Radiation From  
Internal Radio ( PARAGRAPH 13 )

Frequency Tuned [MHz]	Frequency Emission [MHz]	Level [dBm]
156.8	135.4	-88.3
156.8	270.8	-88.3
156.8	406.2	-88.3
156.8	541.6	-88.3
156.8	677.0	-88.3
156.8	812.4	-88.3
156.8	947.8	-88.3
156.8	1083.2	-88.3
156.8	1218.6	-88.3
156.8	1354.0	-88.3

OCCUPIED BANDWIDTH (PARAGRAPH 14)

\*ATTEN 30dB  
RL 15.8dBm

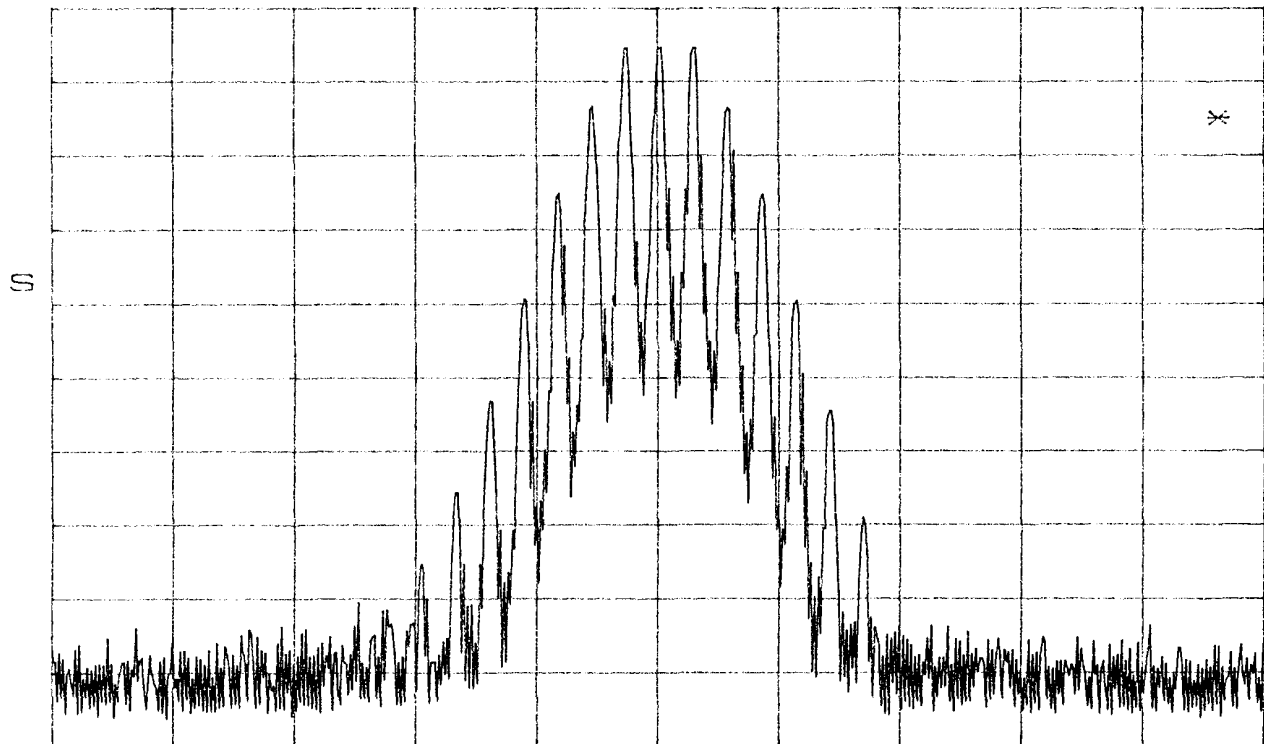
10dB/



CENTER 156.8000MHz SPAN 100.0kHz  
\*RBW 300Hz VBW 300Hz \*SWP 2.80sec

\*ATTEN 30dB  
RL 15.8dBm

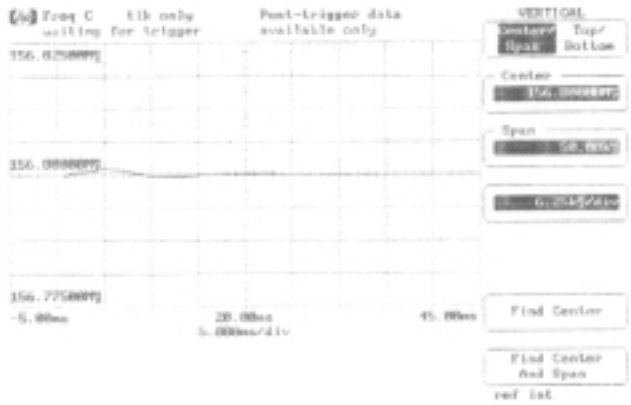
10dB/



CENTER 156.8000MHz SPAN 100.0kHz  
\*RBW 300Hz VBW 300Hz \*SWP 2.80sec



TRANSIENT FREQUENCY BEHAVIOR (PARAGRAPH 15)



TRANSIENT FREQUENCY BEHAVIOR (PARAGRAPH 16)

