

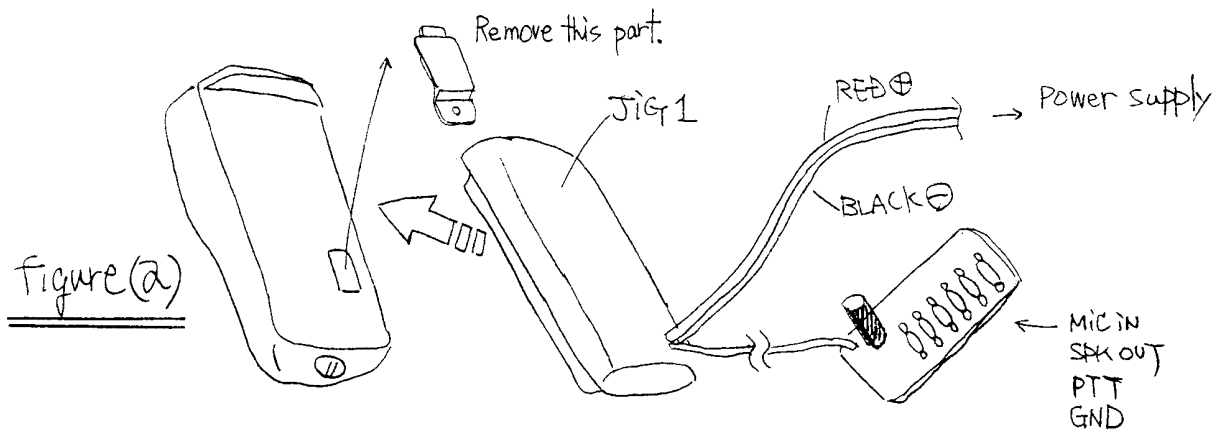
Explanation of JIGs



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.

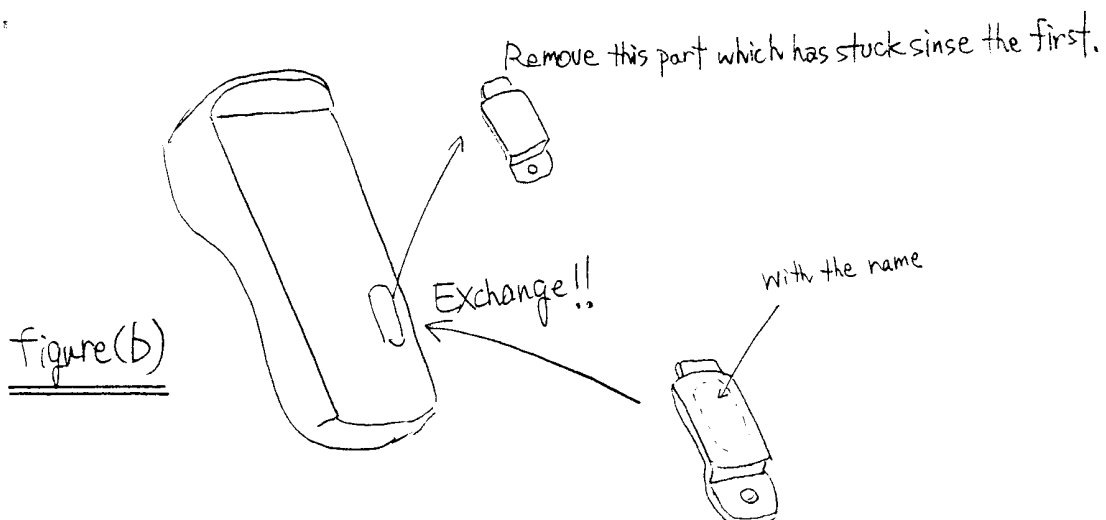
① JIG 1 can be used for all the Adjustment and measurement except for the Field strength of Spurious Radiation from Internal Radio.

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

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

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

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

Carrier Power Output Rating (PARAGRAPH 1)

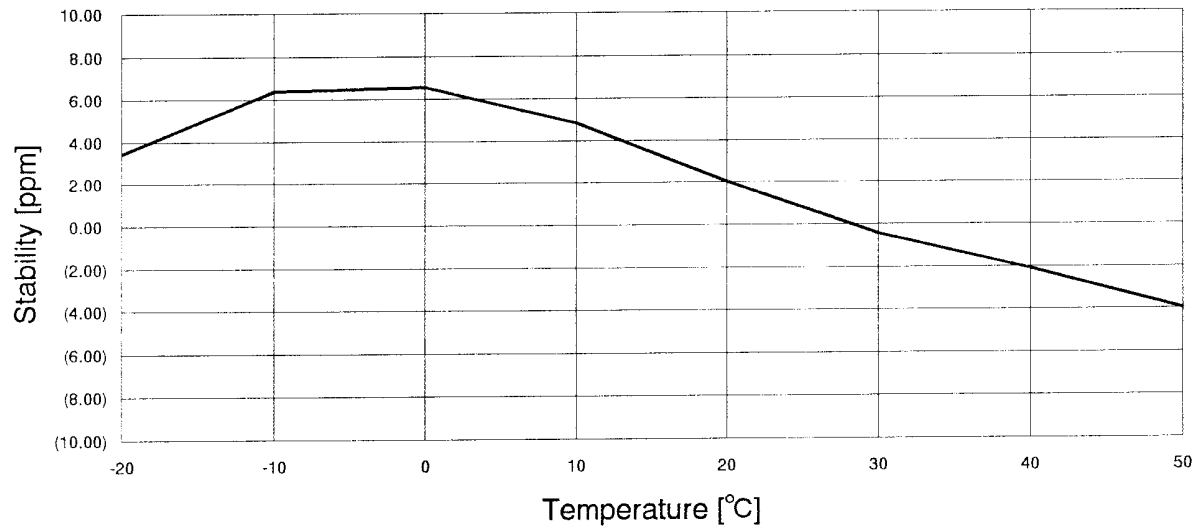
Carrier Frequency [MHz]	RF Power HIGH [W]	RF Power LOW [W]
156.8	4.96	0.82

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)

Frequency Stability (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

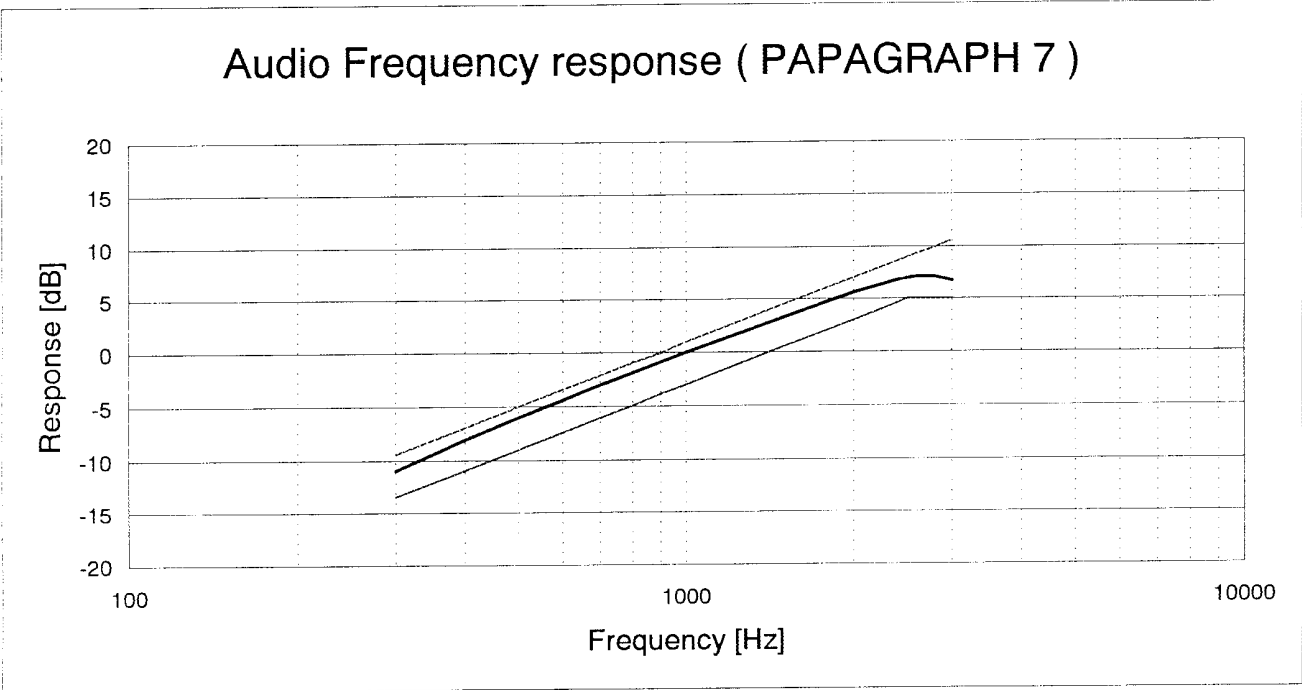
	Carrier Freq					
	156.8 MHz					
	Emission Frequency [MHz]	Spurious Attenuation [dB]	Emission Frequency [MHz]	Spurious Attenuation [dB]	Emission Frequency [MHz]	Spurious Attenuation [dB]
2nd	313.6	-72.6				
3rd	470.4	-77.2				
4th	627.2	-77.2				
5th	784.0	-80.2				
6th	940.8	-83.2				
7th	1097.6	-85.0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

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

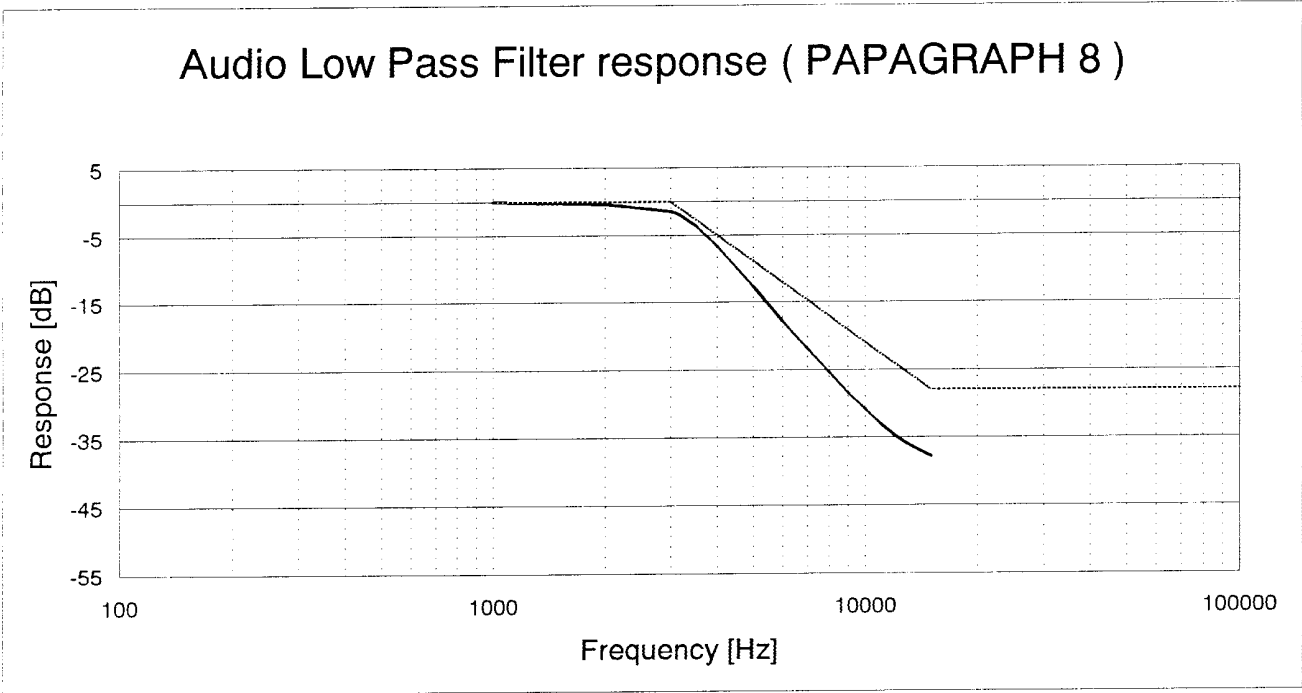
	Carrier Freq					
	156.8 MHz					
	Emission Frequency [MHz]	Spurious Attenuation [dBm]	Emission Frequency [MHz]	Spurious Attenuation [dBm]	Emission Frequency [MHz]	Spurious Attenuation [dBm]
2nd	313.6	-14.6				
3rd	470.4	-29.9				
4th	627.2	-26.0				
5th	784.0	-41.5				
6th	940.8	-49.5				
7th	1097.6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

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

Audio Frequency Response (PARAGRAPH 7)



Audio Low Pass Filter Response (PARAGRAPH 8)



Model Name
FCC ID
Serial Number

:HX260S
:K66HX260S
:sample1

Emission Type
Channel Spacing
Band Type

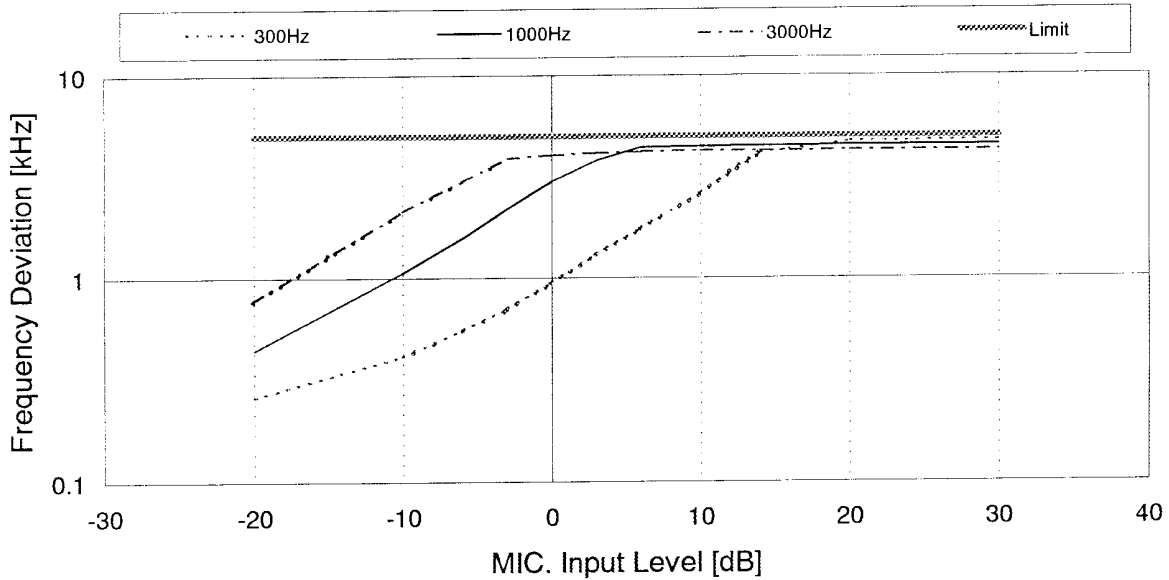
:16K0F3E
:25[kHz]
:C

Modulation Limiting (PARAGRAPH 9)

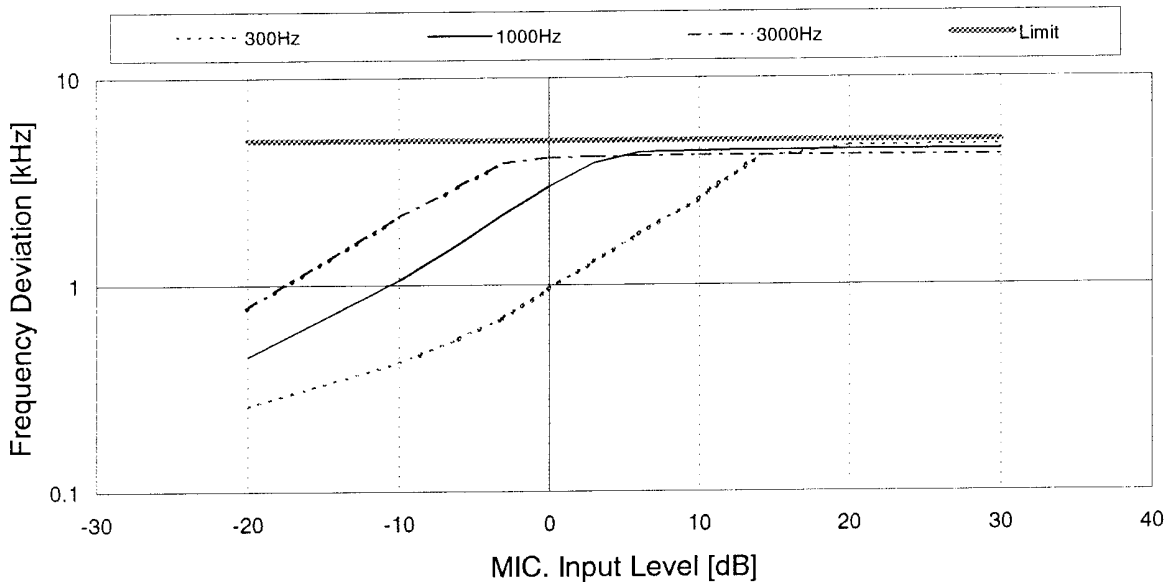
0dB =

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)



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

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

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

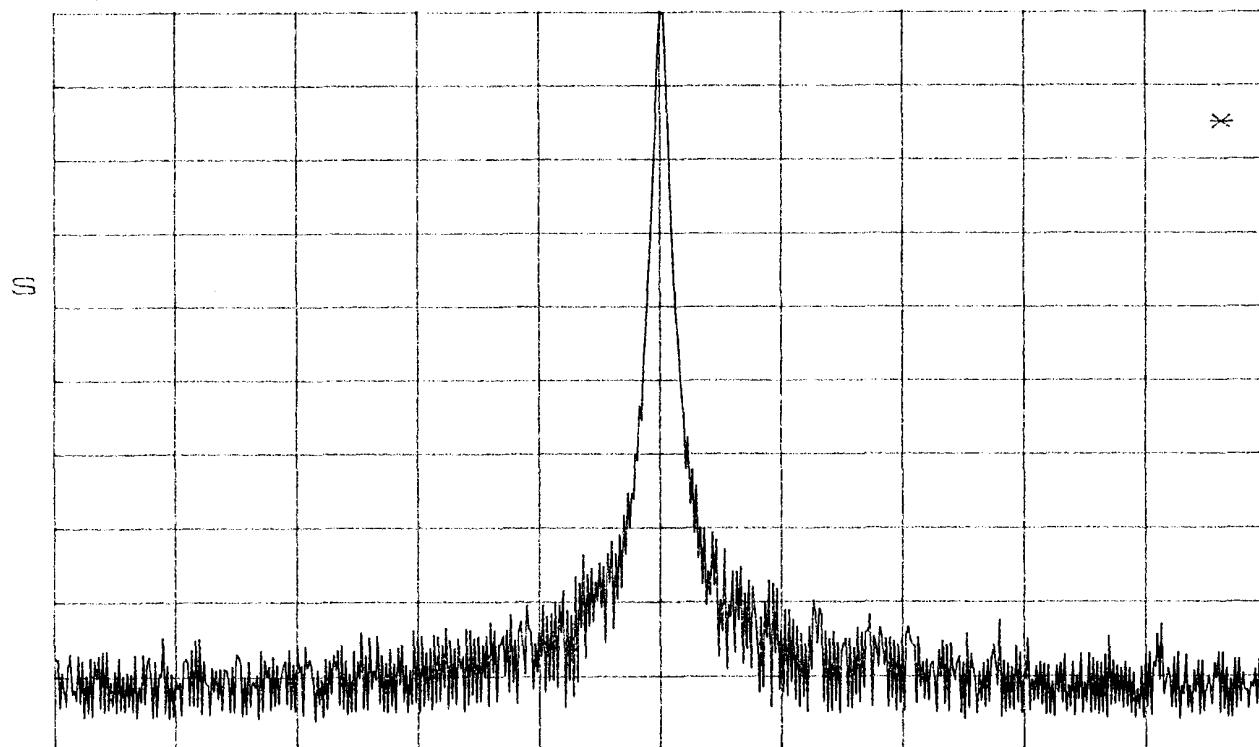
[illegible]

OCCUPIED BANDWIDTH (PARAGRAPH 14)

*ATTEN 30dB

RL 15.8dBm

10dB/



CENTER 156.8000MHz

SPAN 100.0kHz

*RBW 300Hz

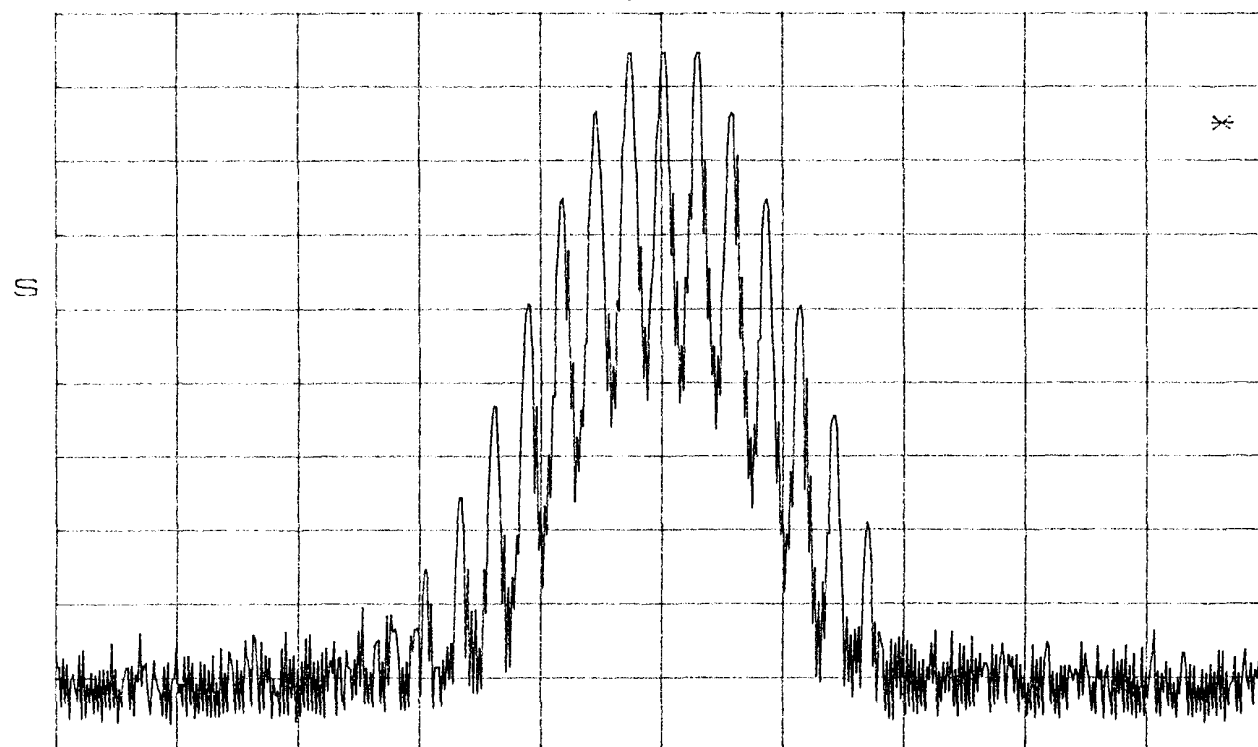
VBW 300Hz

*SWP 2.80sec

*ATTEN 30dB

RL 15.8dBm

10dB/



CENTER 156.8000MHz

SPAN 100.0kHz

*RBW 300Hz

VBW 300Hz

*SWP 2.80sec

