

TEST DATA

Model Name	: VX-800U		
FCC ID	: K66VX-800U-2		
Serial Number	: 0C020110		
Specification is Referenced	: EIA/TIA-603		
Type	: AS1		
Emission Type	: 16K0F3E / 11K0F3E		
Channel Spacing	: 25 / 12.5		[kHz]
Description	: Portable		
Mode	: FM		
Test Voltage	Nominal	: 7.2 [V]	
	Extrem	*.85	: 6.1 [V]
		*1.15	: 8.3 [V]
Temperature	Nominal	: 25 [°C]	
	Extrem	: -30 - +60 [°C]	
Test Frequency	1	TX	: 400.1000 [MHz]
		RX	: 400.1000 [MHz]
	2	TX	: 415.1000 [MHz]
		RX	: 415.1000 [MHz]
	3	TX	: 429.9000 [MHz]
		RX	: 429.9000 [MHz]
1st IF Frequency			
	RX	: 44.25	[MHz]
2nd IF Frequency			
	RX	: 450	[kHz]
Microphone Impedance		: 2000	[Ω]
Speaker Impedance		: 16 (BTL output)	[Ω]
Manufacturer	: YAESU MUSEN Co.,Ltd.		
Test Operator	: M.Kurihara		
Test Date	Start	: 2000/7/24	
	Finish	: 2000/7/27	

VX-800U Channel Settings

CH No.	Shown on LCD	Transmit Frequency [MHz]	Receive Frequency [MHz]	CH Spacing	Power	
					High (default)	Low (press ACC)
1	440_100W	400.1	400.1	25k	5W	1W
2	415_100W	415.1	415.1	25k	5W	1W
3	429_900W	429.9	429.9	25k	5W	1W
4	400_100N	400.1	400.1	12.5k	5W	1W
5	415_100N	415.1	415.1	12.5k	5W	1W
6	429_900N	429.9	429.9	12.5k	5W	1W
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Model Name :VX-800U
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 Serial Number :0C020110

Emission Type :16K0F3E / 11K0F3E
 Channel Spacing :25 / 12.5 [kHz]
 Band Type :AS1

Carrier Power Output Rating (PARAGRAPH 2.2.1)

Carrier Frequency [MHz]	RF Power HIGH [W]	RF Power LOW 1 [W]	RF Power LOW 2 [W]	RF Power LOW 3 [W]
400.100	4.49	0.77		
415.100	4.43	0.86		
429.900	4.33	0.97		

Carrier Frequency Stability - Voltage Variation (PARAGRAPH 2.2.2)

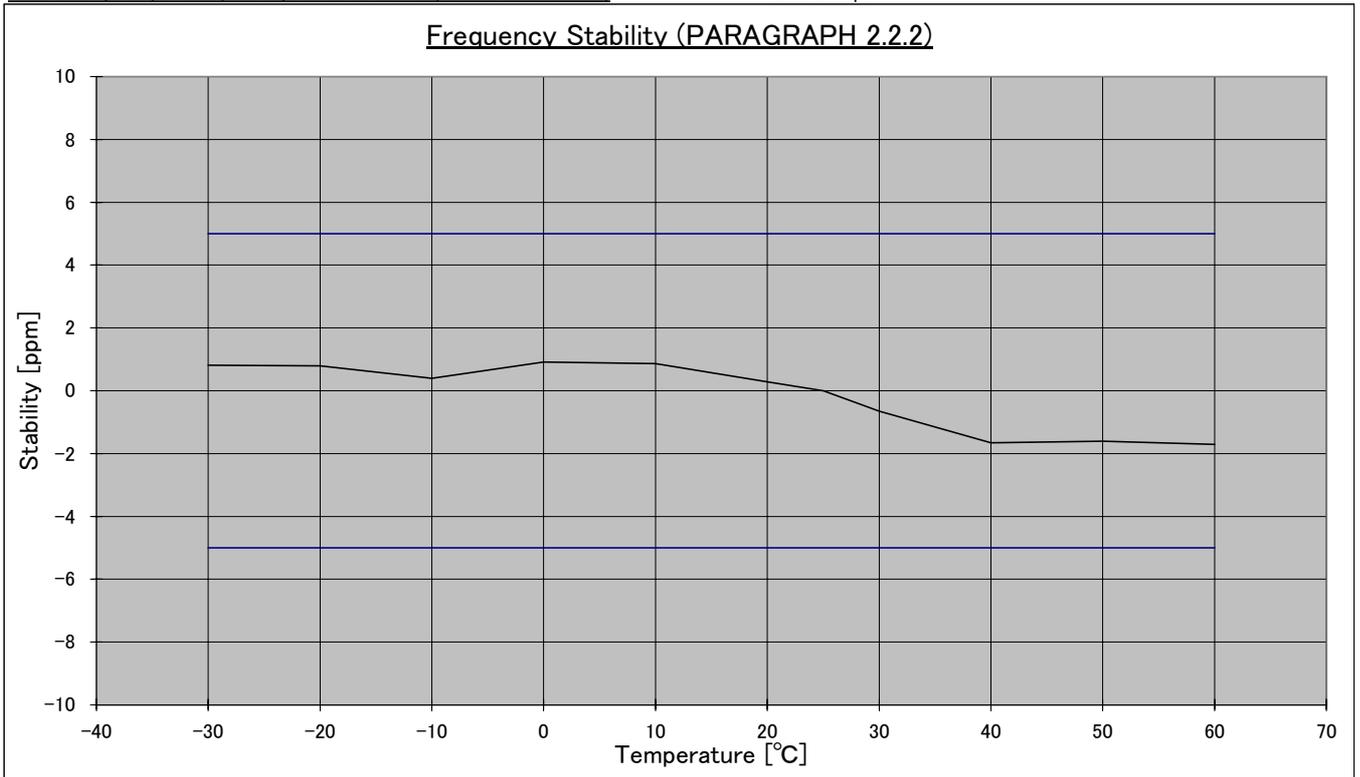
STV [%]	Voltage [V]	Change in Frequency		
		[MHz]	[Hz]	[ppm]
100.00	7.20	415.09930	-700.0	-1.69
85.00	6.12	415.09931	-690.0	-1.66
115.00	8.28	415.09930	-700.0	-1.69

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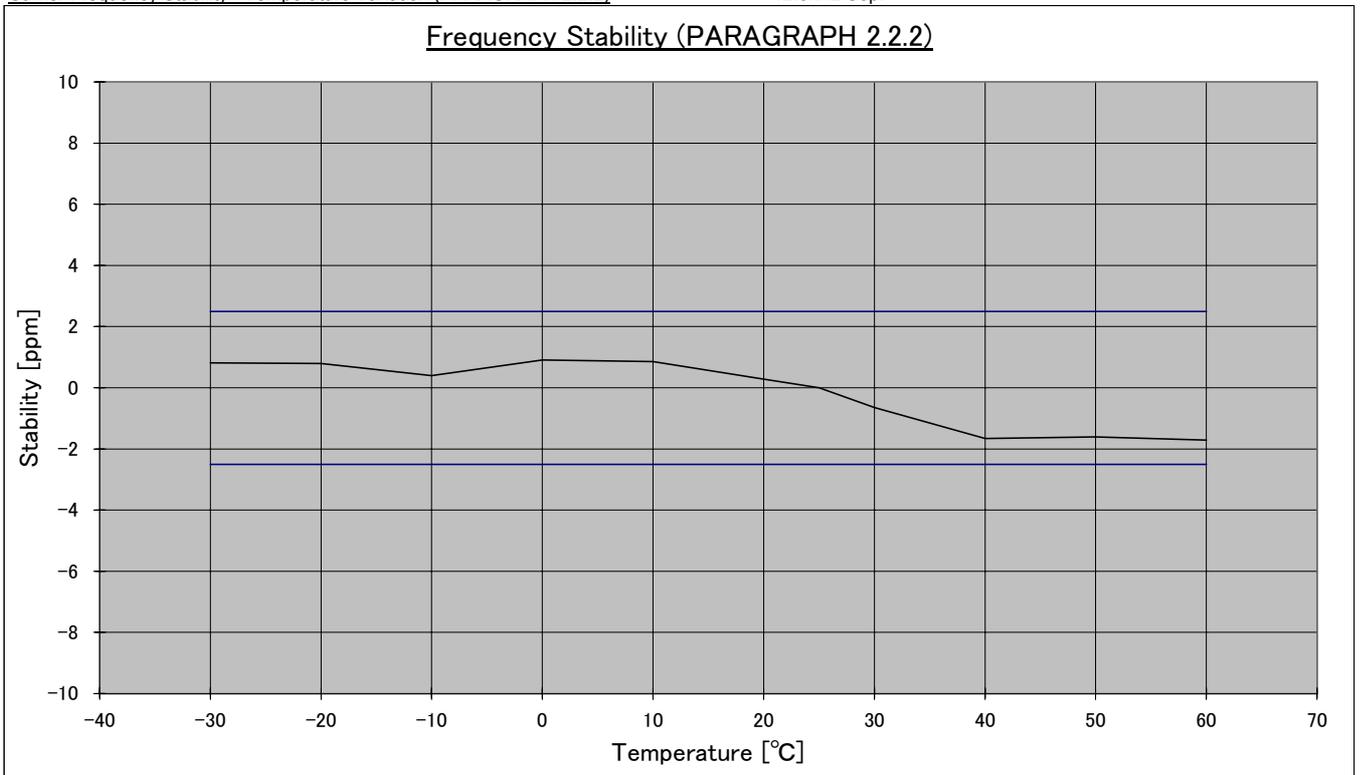
Carrier Frequency Stability - Temperature Variation (PARAGRAPH 2.2.2)

25kHz Sep.



Carrier Frequency Stability - Temperature Variation (PARAGRAPH 2.2.2)

12.5kHz Sep.



Model Name :VX-800U
 FCC ID :K66VX-800U-2
 Serial Number :0C020110

Emission Type :16K0F3E / 11K0F3E
 Channel Spacing :25 / 12.5 [kHz]
 Band Type :AS1

Conducted Spurious Emission (PARAGRAPH 2.2.13)

POWER: HIGH

	Carrier Freq							
	400.100 MHz		415.100 MHz		429.900 MHz		MHz	
	Emission Frequency [MHz]	Spurious Attenuation [dB]						
2nd	800.20	-73.87	830.20	-65.50	859.80	-70.95		
3rd	1200.30	-63.42	1245.30	-58.95	1289.70	-64.32		
4th	1600.40	-	1660.40	-	1719.60	-		
5th	2000.50	-	2075.50	-	2149.50	-		
6th	2400.60	-	2490.60	-	2579.40	-		
7th	2800.70	-	2905.70	-	3009.30	-		
8th	3200.80	-	3320.80	-	3439.20	-		
9th	3600.90	-	3735.90	-	3869.10	-		
10th	4001.00	-	4151.00	-	4299.00	-		

POWER: L1

	Carrier Freq							
	400.100 MHz		415.100 MHz		429.900 MHz		MHz	
	Emission Frequency [MHz]	Spurious Attenuation [dB]						
2nd	800.20	-74.89	830.20	-57.28	859.80	-70.82		
3rd	1200.30	-	1245.30	-69.25	1289.70	-		
4th	1600.40	-	1660.40	-	1719.60	-		
5th	2000.50	-	2075.50	-	2149.50	-		
6th	2400.60	-	2490.60	-	2579.40	-		
7th	2800.70	-	2905.70	-	3009.30	-		
8th	3200.80	-	3320.80	-	3439.20	-		
9th	3600.90	-	3735.90	-	3869.10	-		
10th	4001.00	-	4151.00	-	4299.00	-		

Field Strength of Spurious Radiation (PARAGRAPH 2.2.12)

POWER: HIGH

	Carrier Freq							
	400.100 MHz		415.100 MHz		429.900 MHz		MHz	
	Emission Frequency [MHz]	Spurious Attenuation [dB]						
2nd	800.20	-75.50	830.20	-70.70	859.80	-67.20		
3rd	1200.30	-	1245.30	-	1289.70	-		
4th	1600.40	-	1660.40	-	1719.60	-		
5th	2000.50	-	2075.50	-	2149.50	-		
6th	2400.60	-	2490.60	-	2579.40	-		
7th	2800.70	-	2905.70	-	3009.30	-		
8th	3200.80	-	3320.80	-	3439.20	-		
9th	3600.90	-	3735.90	-	3869.10	-		
10th	4001.00	-	4151.00	-	4299.00	-		

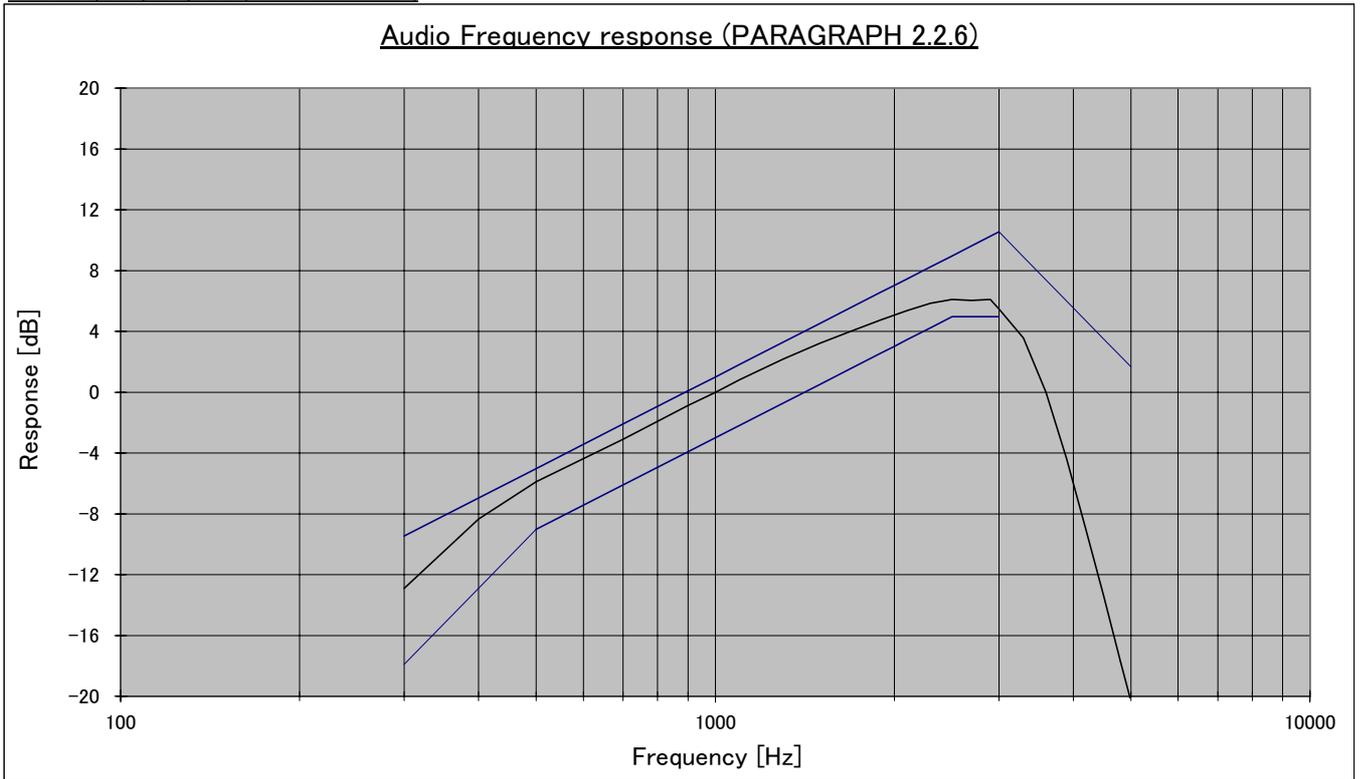
POWER: L1

	Carrier Freq							
	400.100 MHz		415.100 MHz		429.900 MHz		MHz	
	Emission Frequency [MHz]	Spurious Attenuation [dB]						
2nd	800.20	-68.10	830.20	-60.80	859.80	-60.80		
3rd	1200.30	-	1245.30	-	1289.70	-		
4th	1600.40	-	1660.40	-	1719.60	-		
5th	2000.50	-	2075.50	-	2149.50	-		
6th	2400.60	-	2490.60	-	2579.40	-		
7th	2800.70	-	2905.70	-	3009.30	-		
8th	3200.80	-	3320.80	-	3439.20	-		
9th	3600.90	-	3735.90	-	3869.10	-		
10th	4001.00	-	4151.00	-	4299.00	-		

Model Name :VX-800U
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 Serial Number :0C020110

Emission Type :16K0F3E / 11K0F3E
 Channel Spacing :25 / 12.5 [kHz]
 Band Type :AS1

Audio Frequency Response (PARAGRAPH 2.2.6)



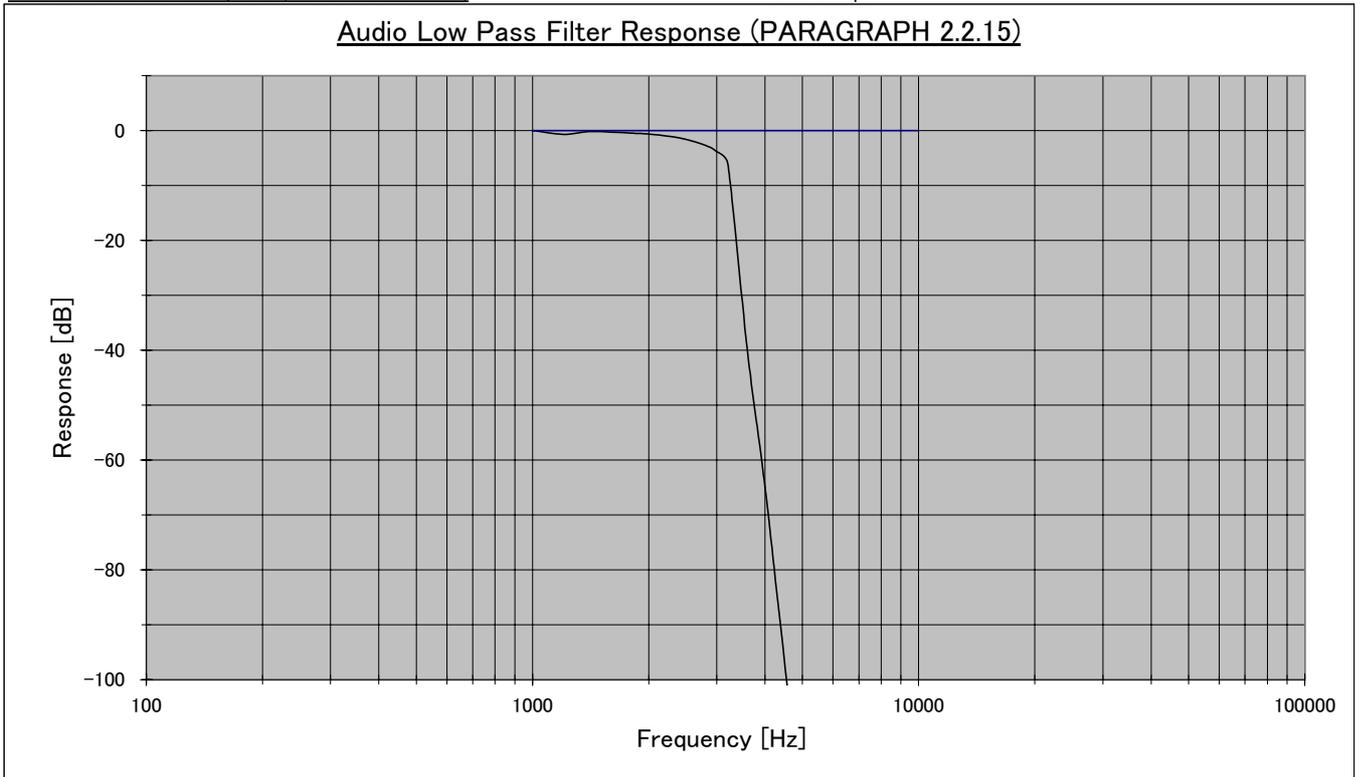
PEAK AUDIO FREQUENCY : 2900 [Hz]

Model Name :VX-800U
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 Serial Number :0C020110

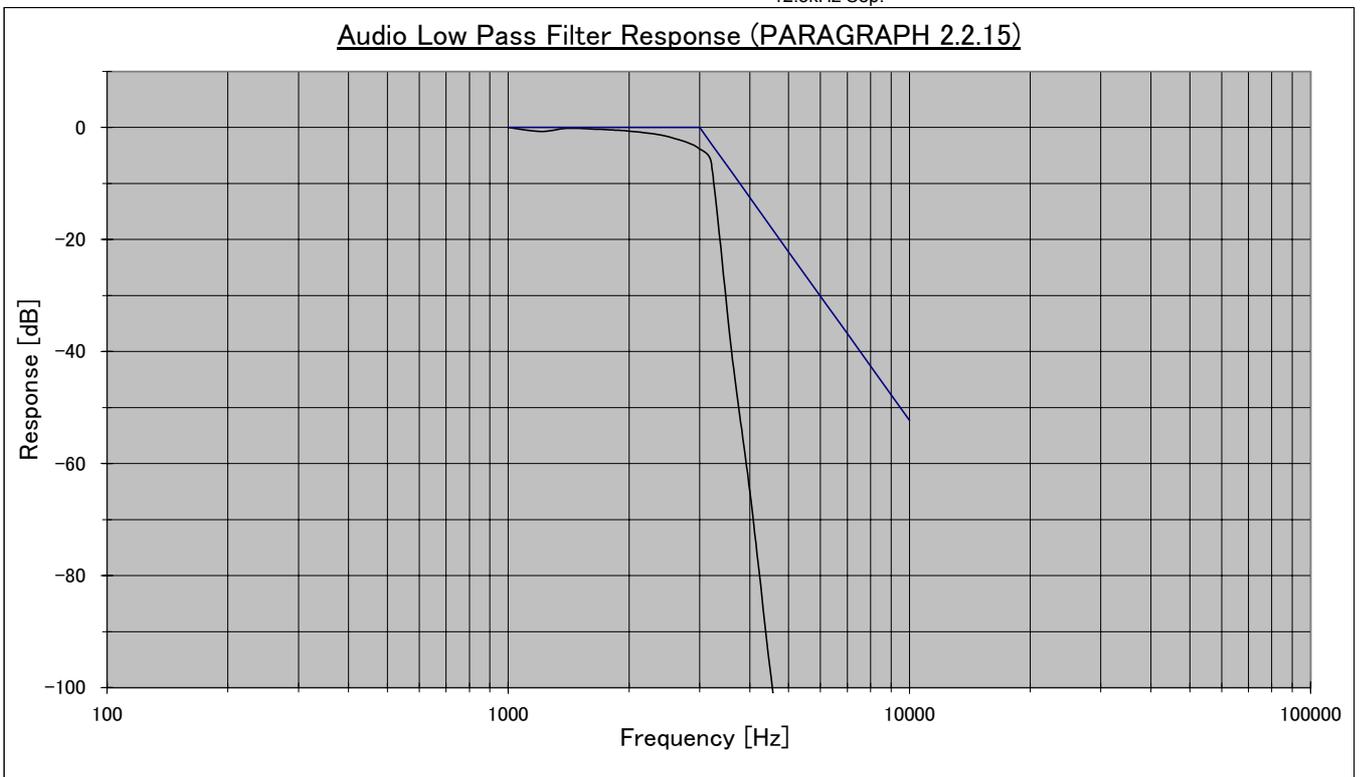
Emission Type :16K0F3E / 11K0F3E
 Channel Spacing :25 / 12.5 [kHz]
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Audio Low Pass Filter Response (PARAGRAPH 2.2.15)

25kHz Sep.



12.5kHz Sep.



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 Serial Number :0C020110

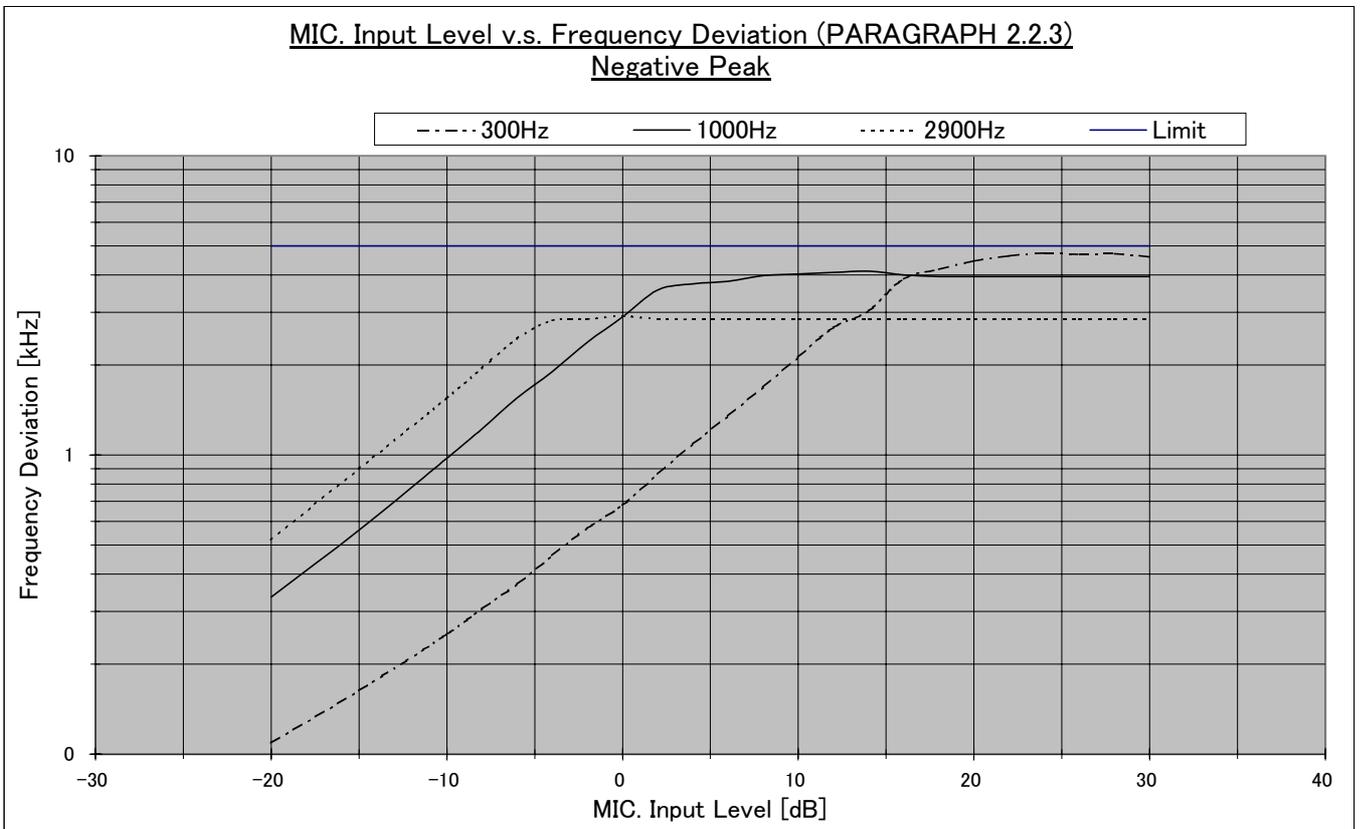
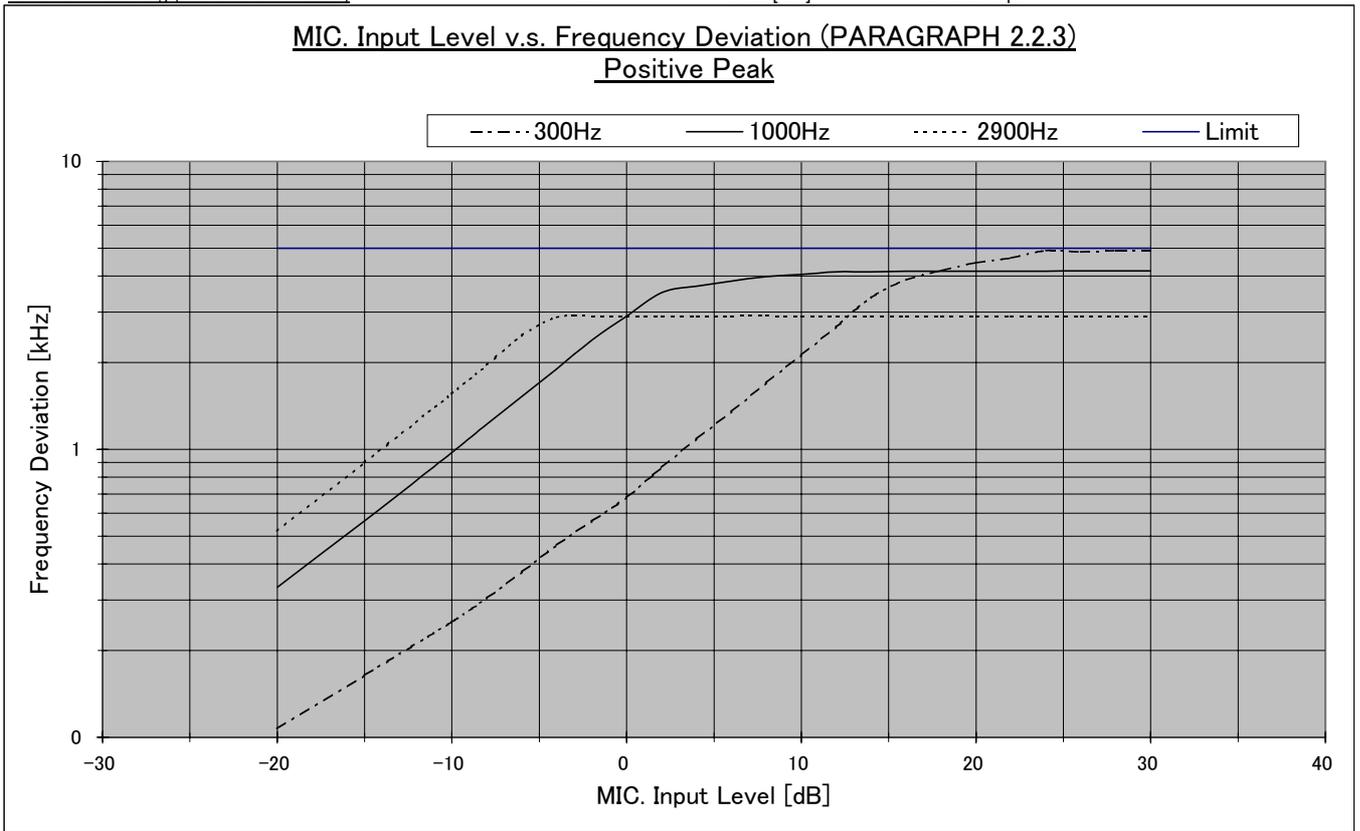
Emission Type :16K0F3E / 11K0F3E
 Channel Spacing :25 / 12.5 [kHz]
 Band Type :AS1

Modulation Limiting (PARAGRAPH 2.2.3)

0 dB =

11.2 [mV]

25kHz Sep.



Model Name :VX-800U
 FCC ID :K66VX-800U-2
 Serial Number :0C020110

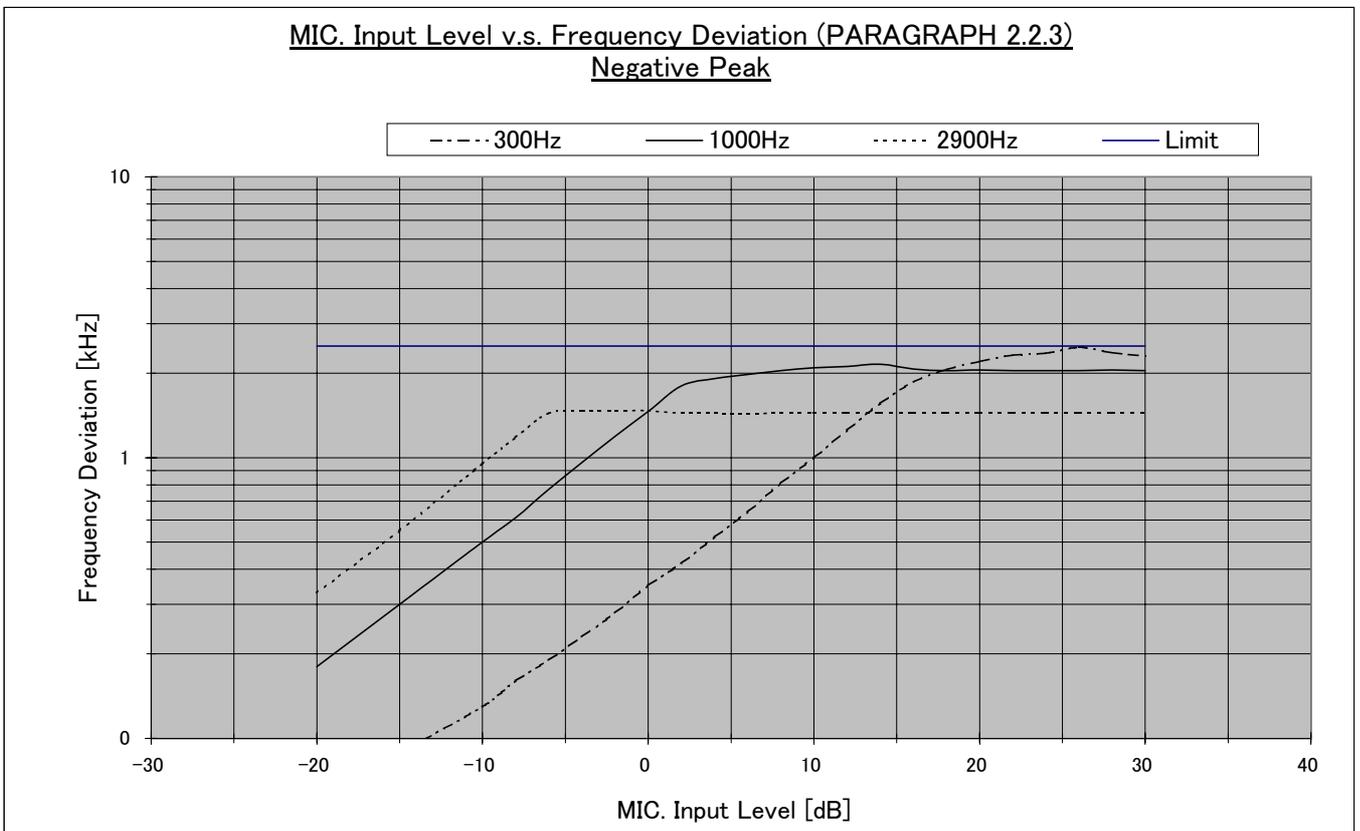
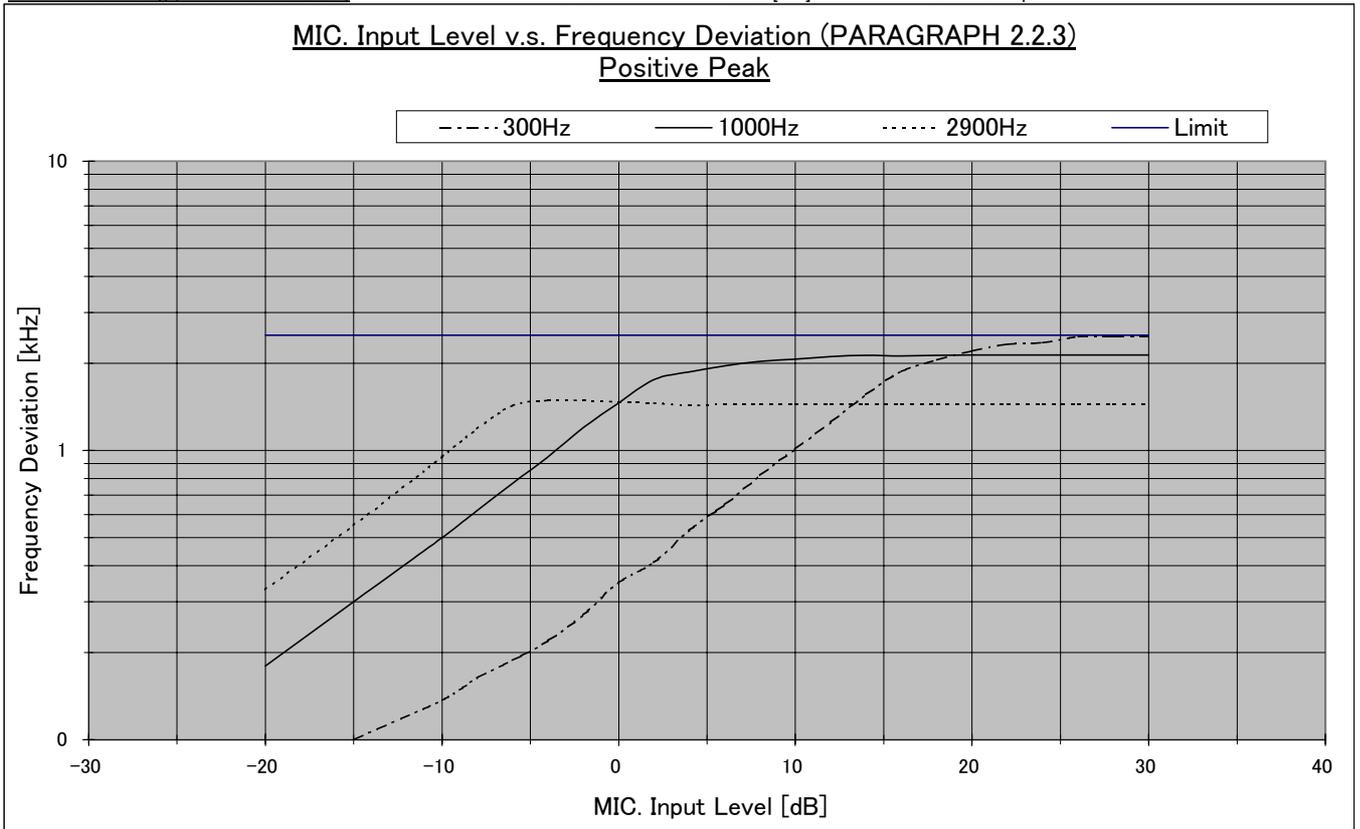
Emission Type :16K0F3E / 11K0F3E
 Channel Spacing :25 / 12.5 [kHz]
 Band Type :AS1

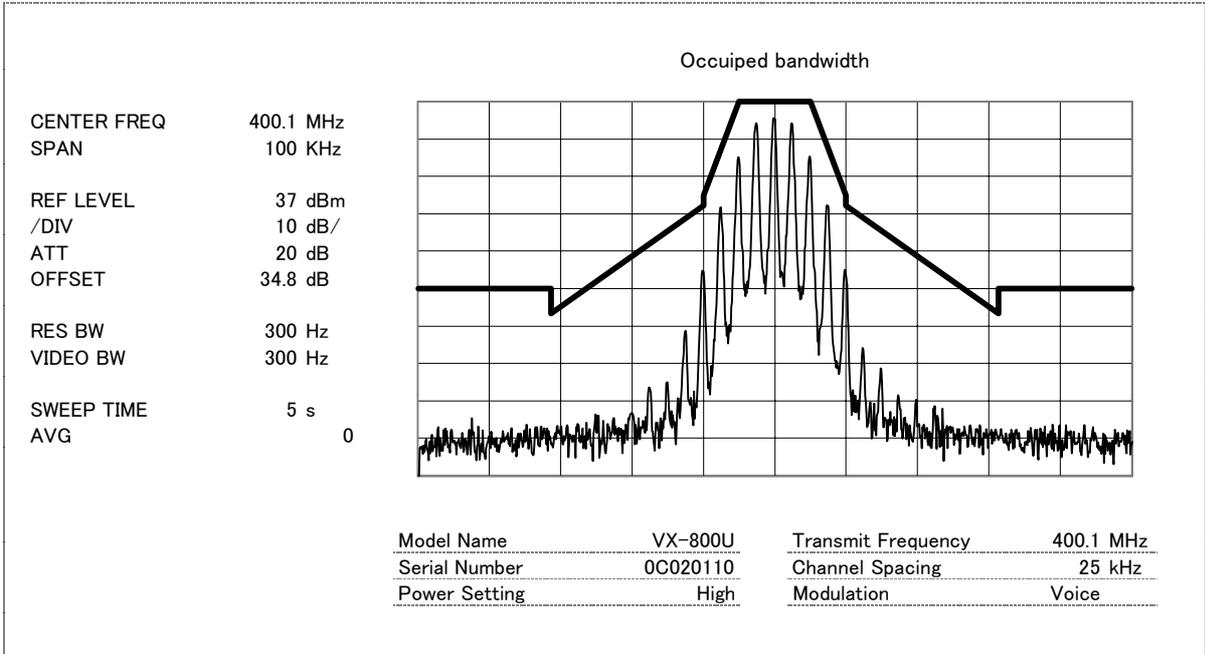
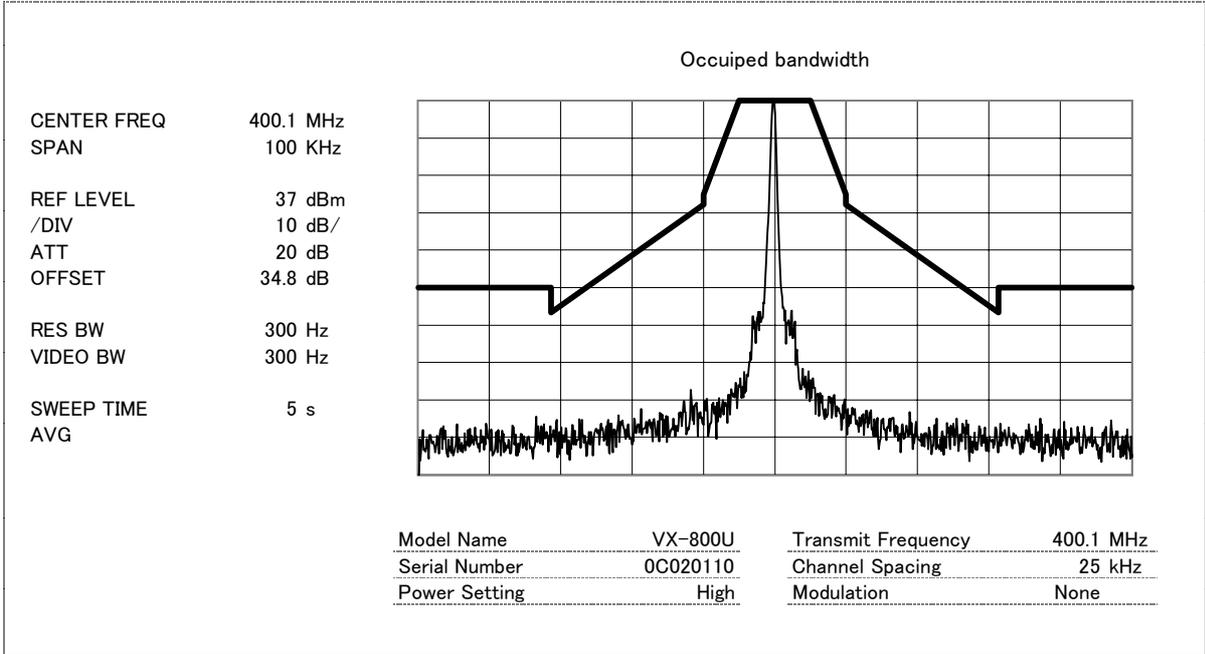
Modulation Limiting (PARAGRAPH 2.2.3)

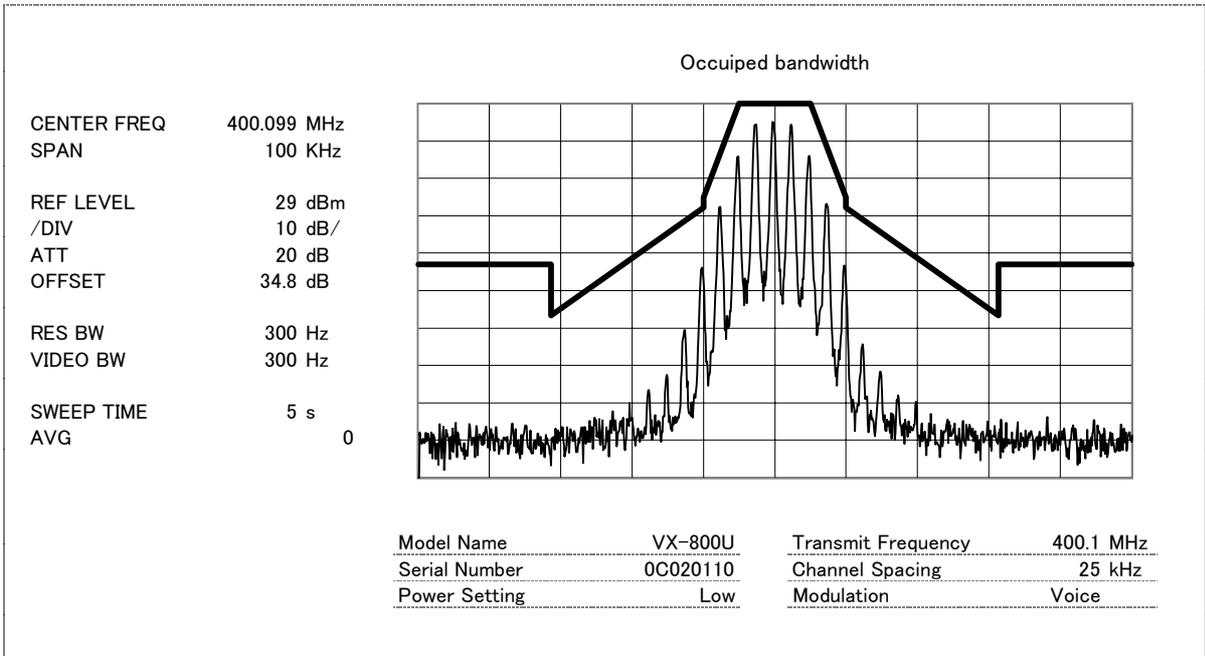
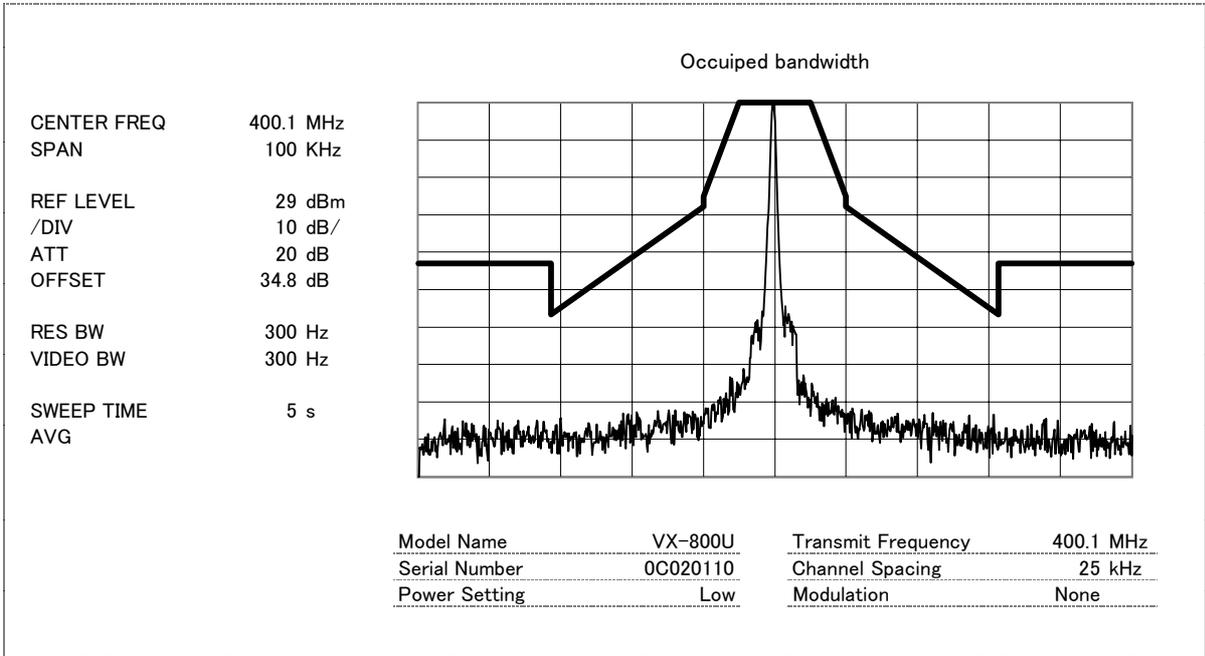
0 dB =

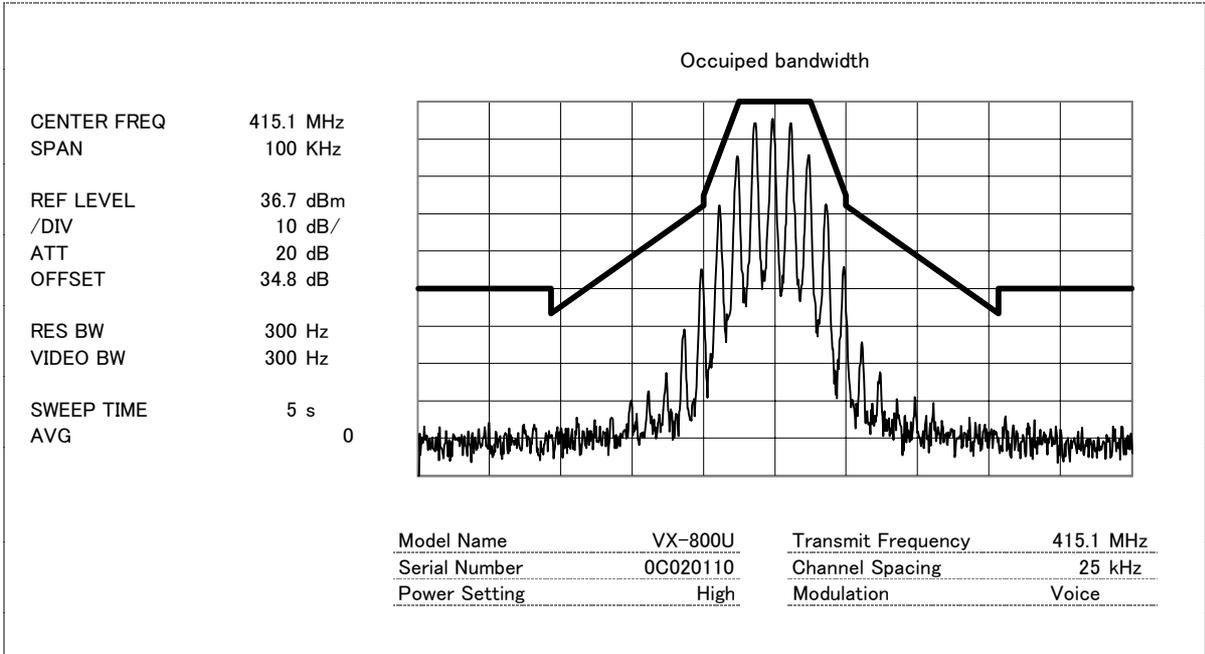
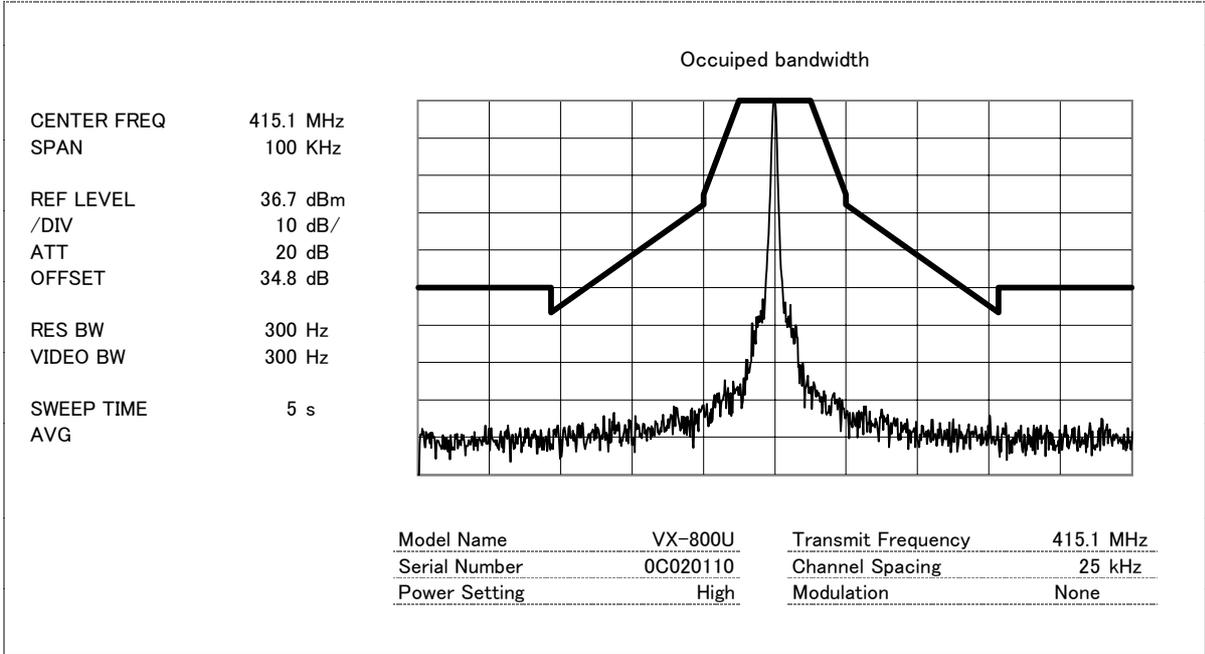
11.2 [mV]

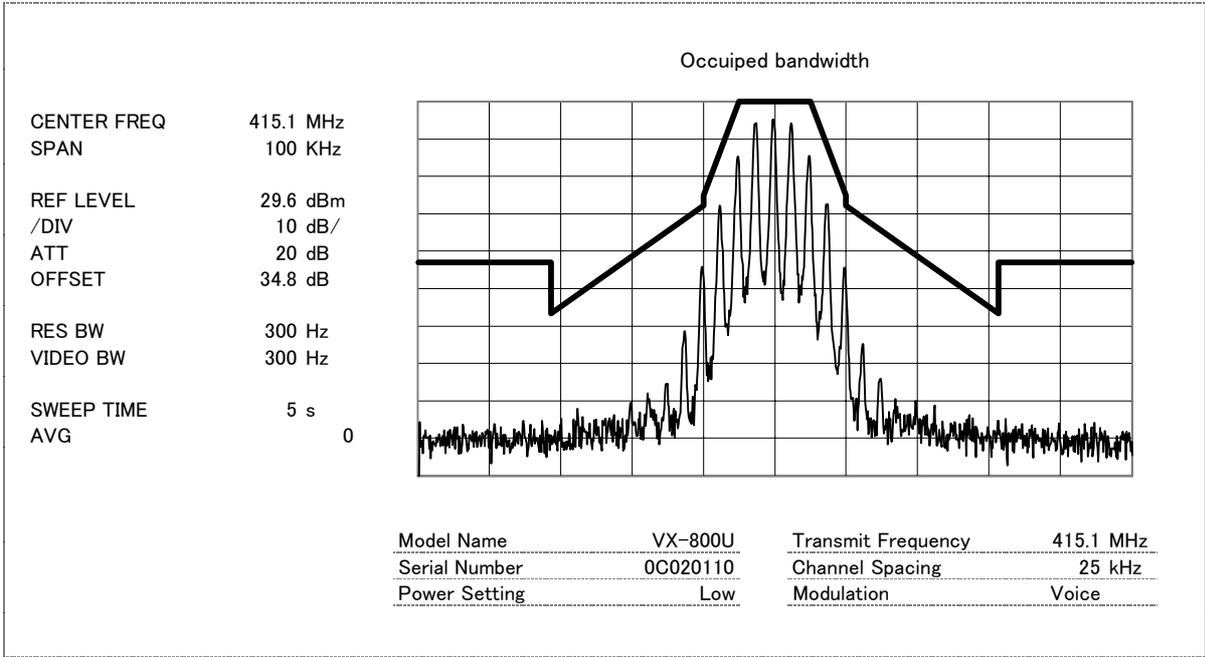
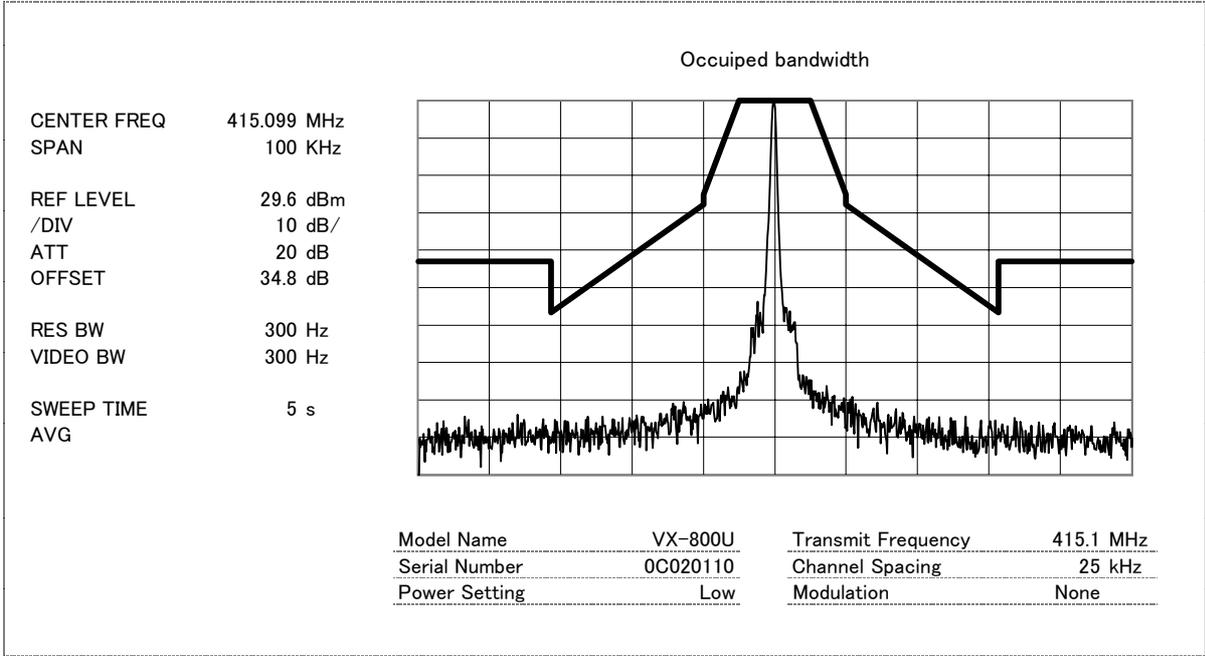
12.5kHz Sep.

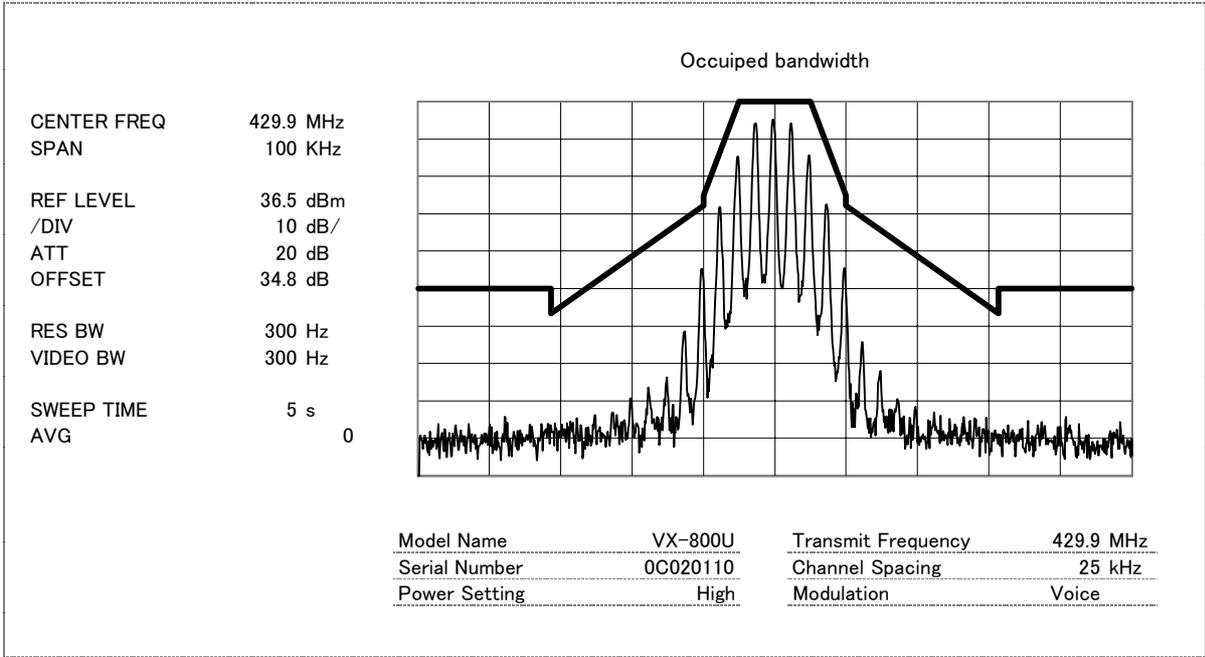
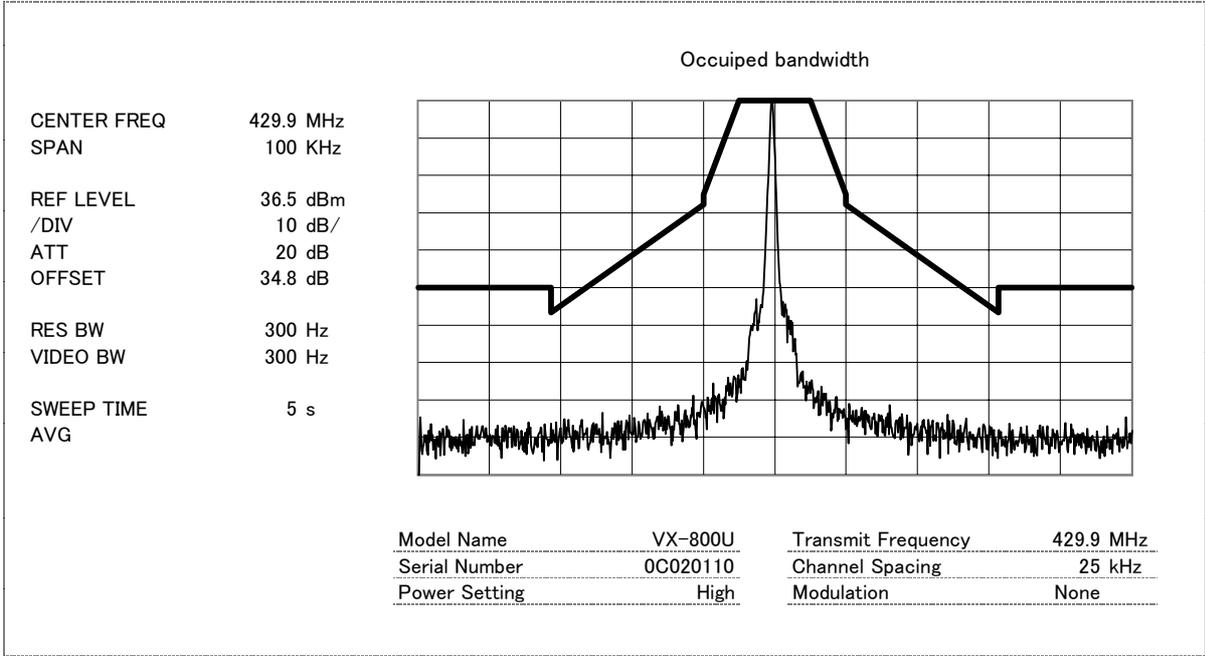


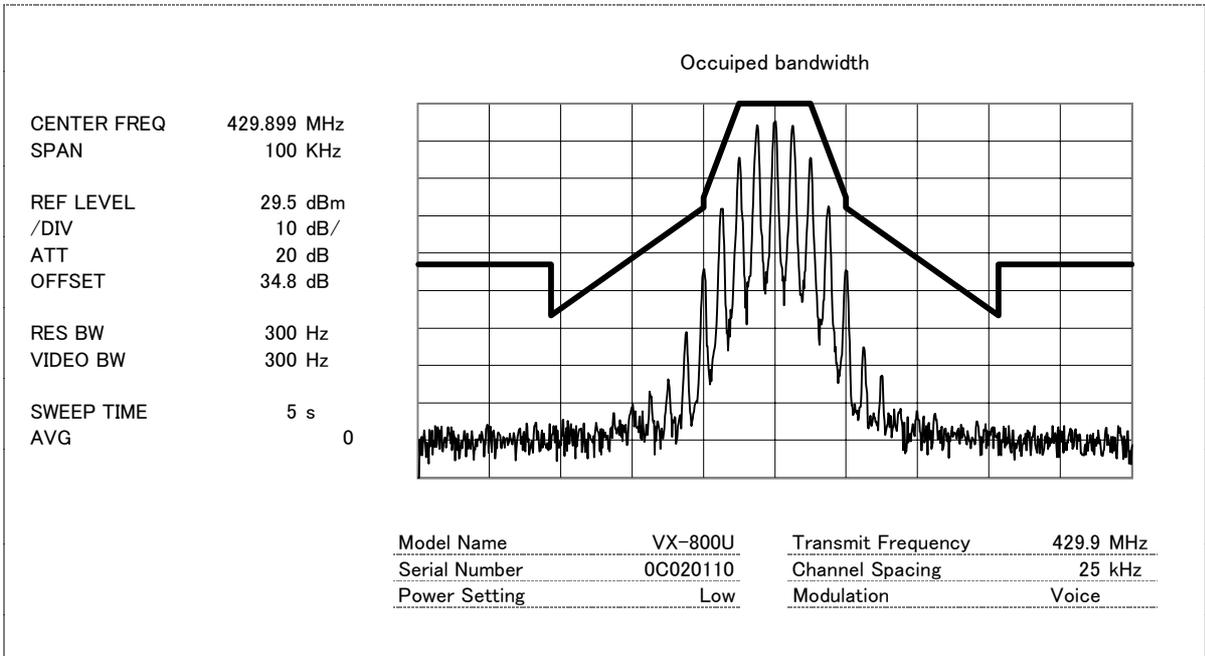
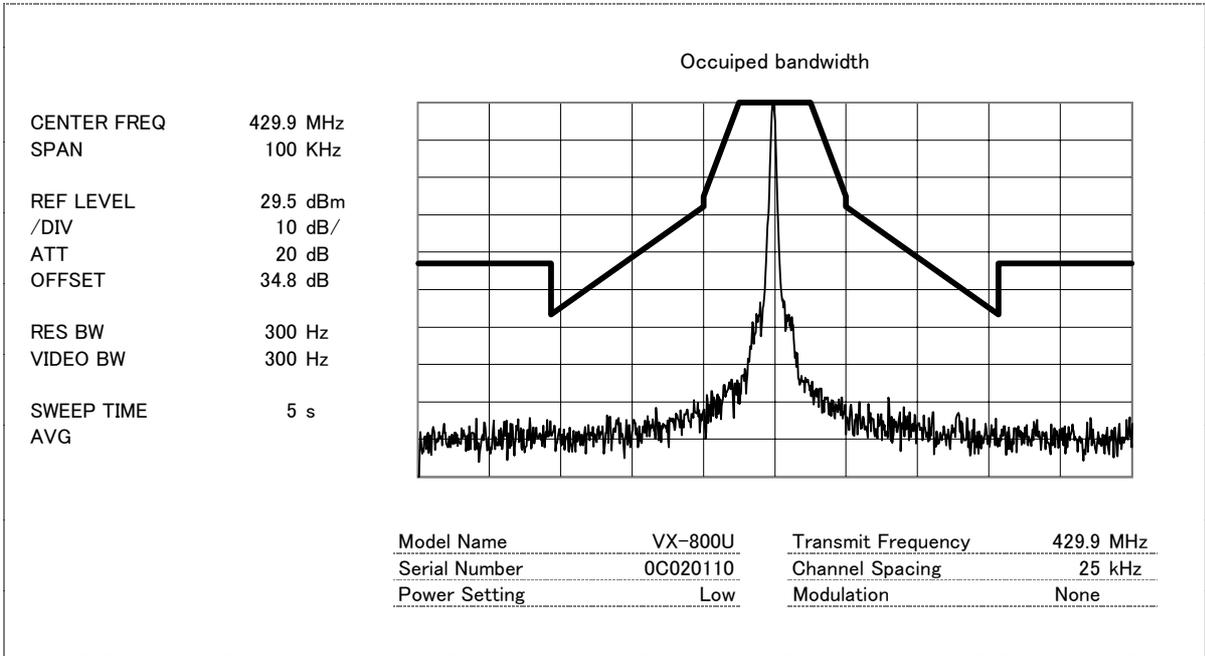


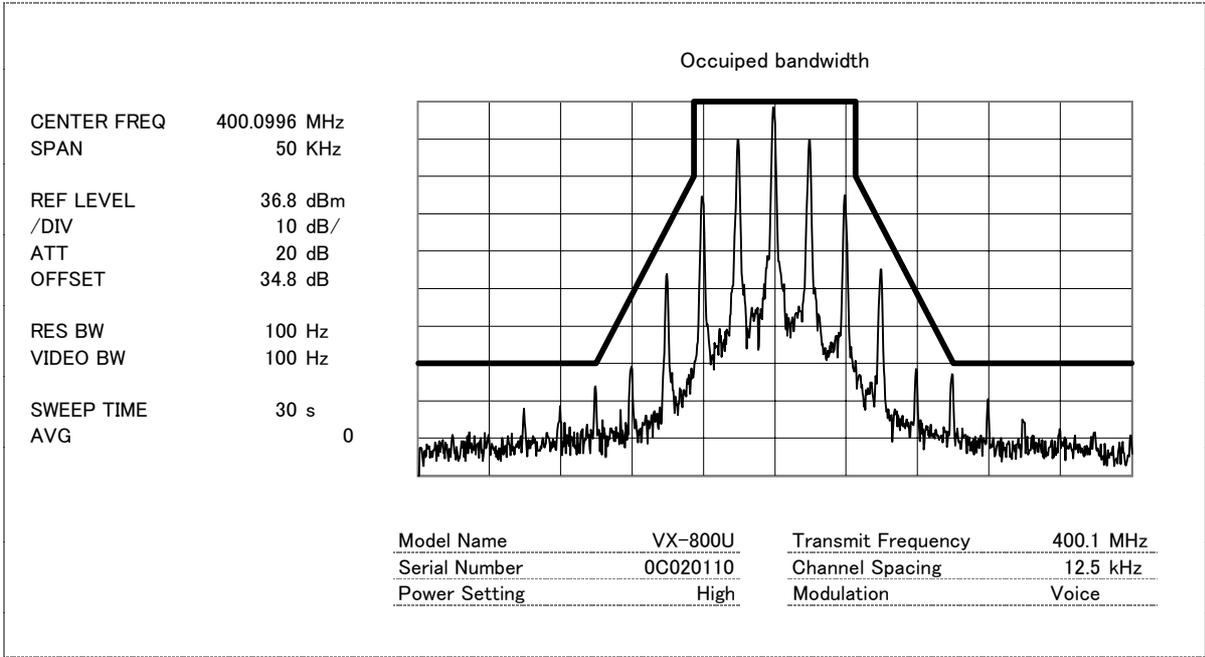
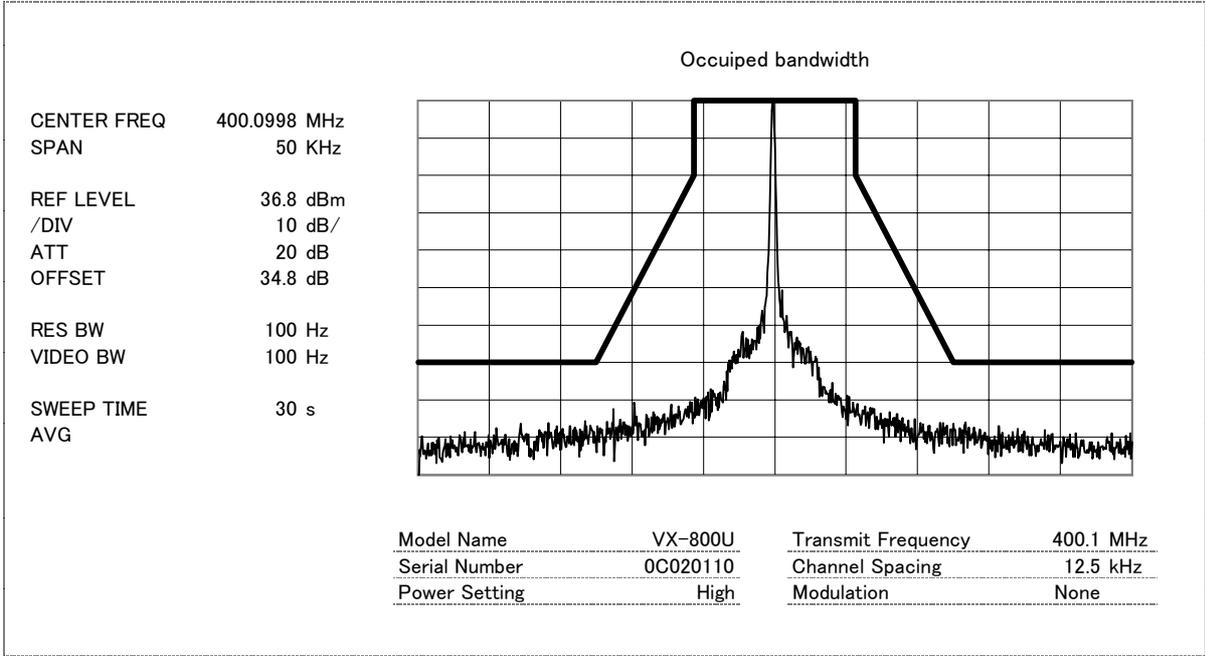


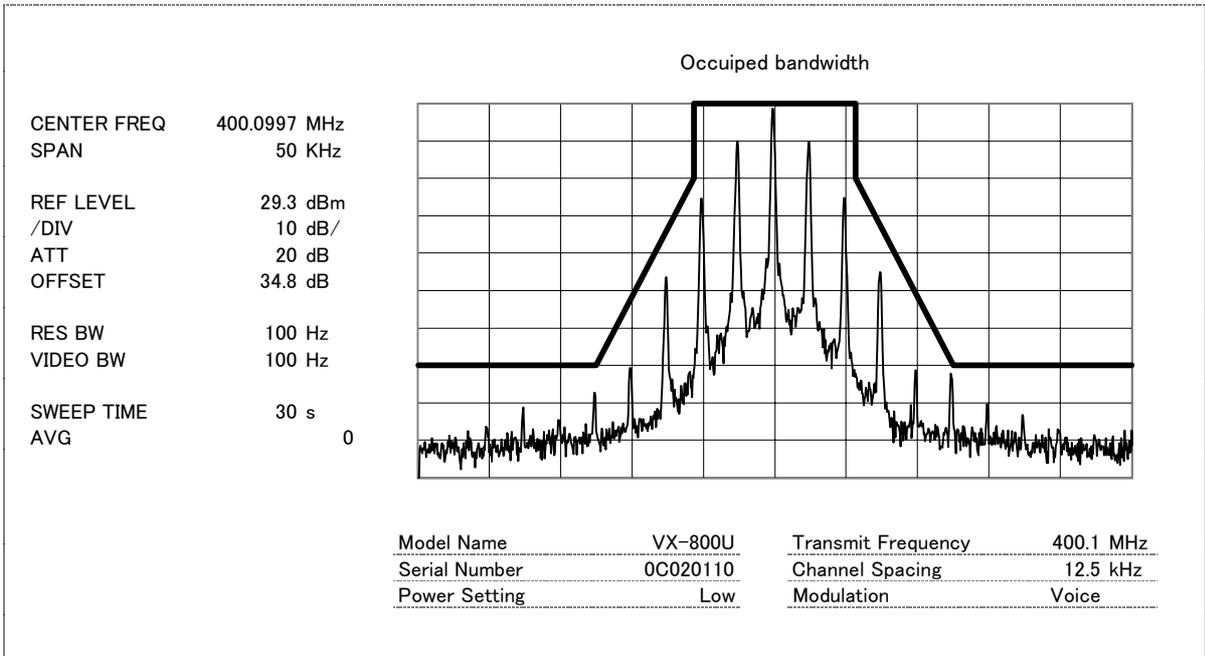
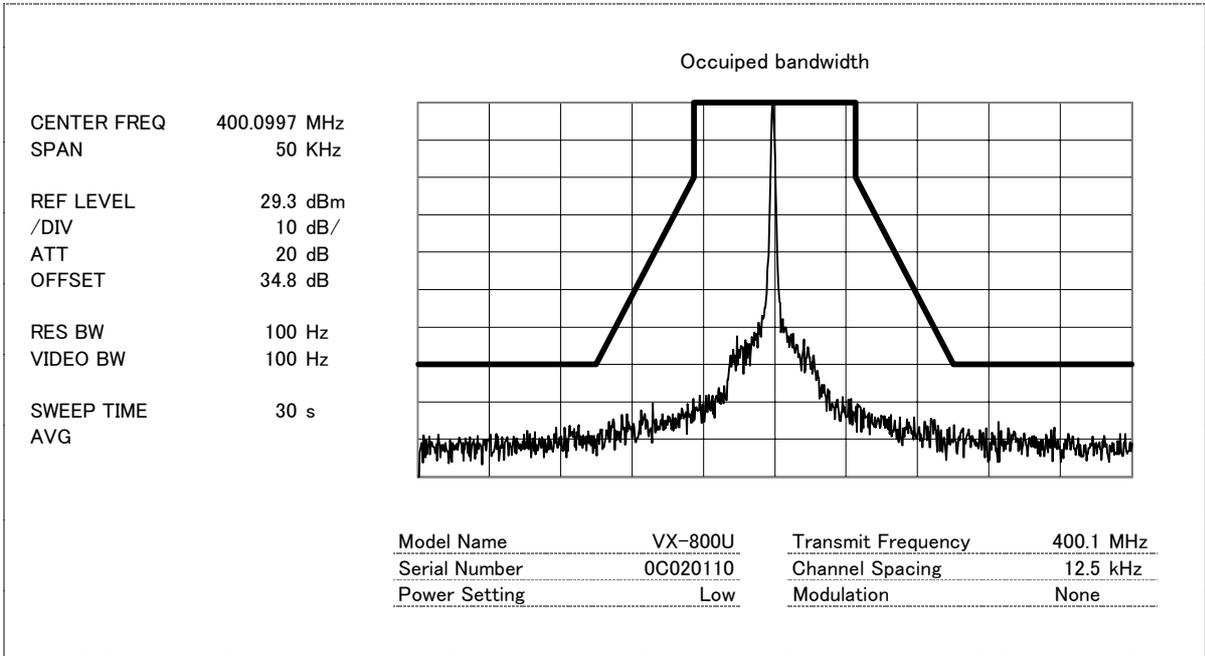


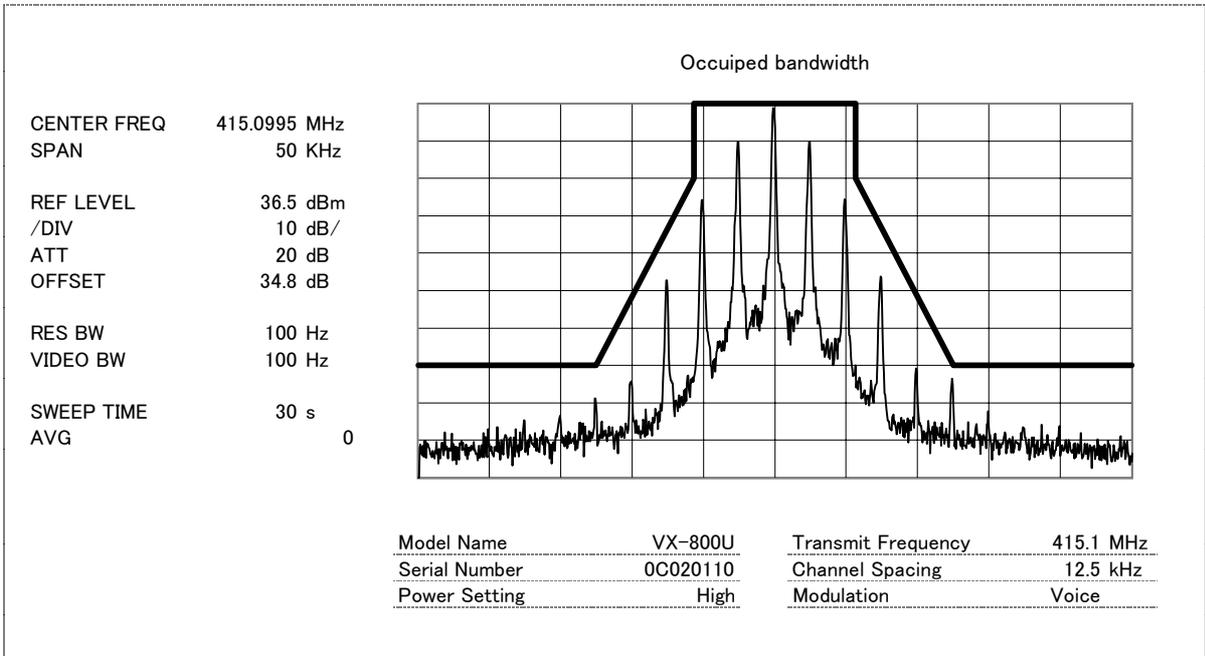
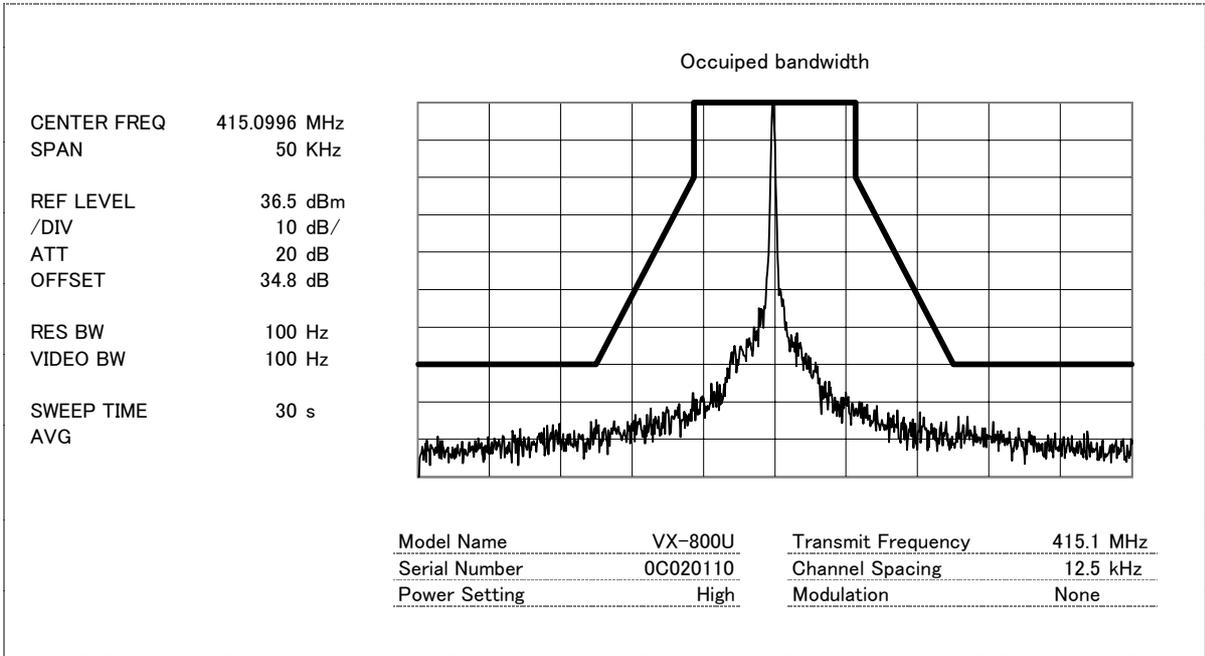


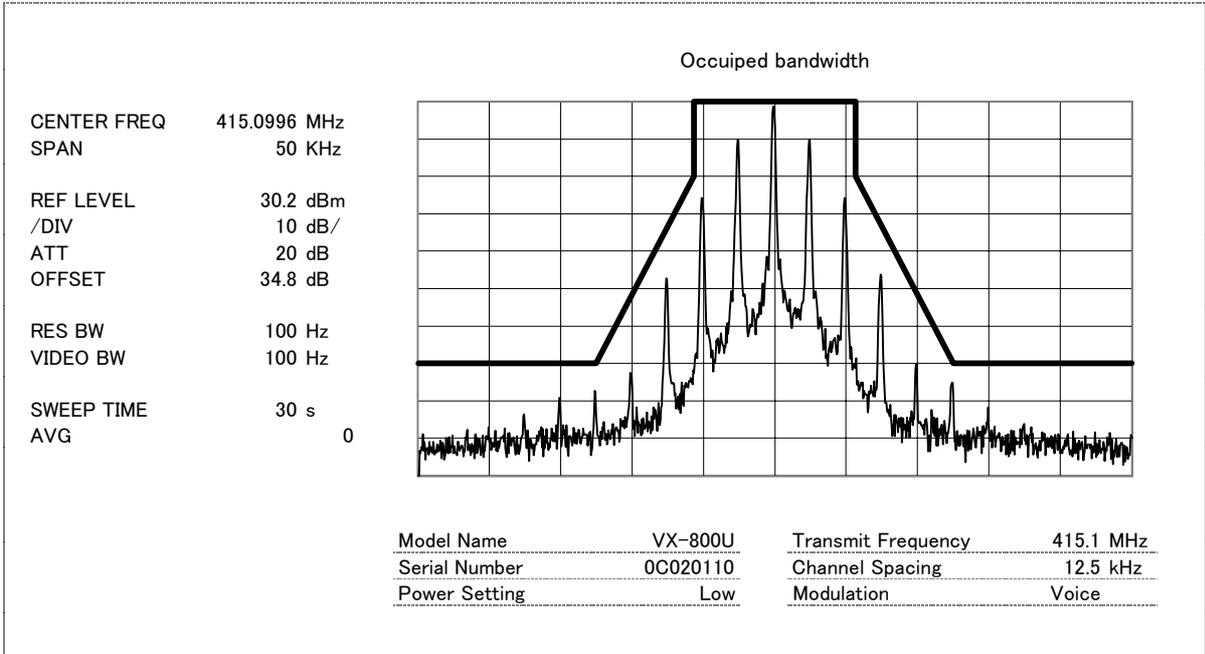
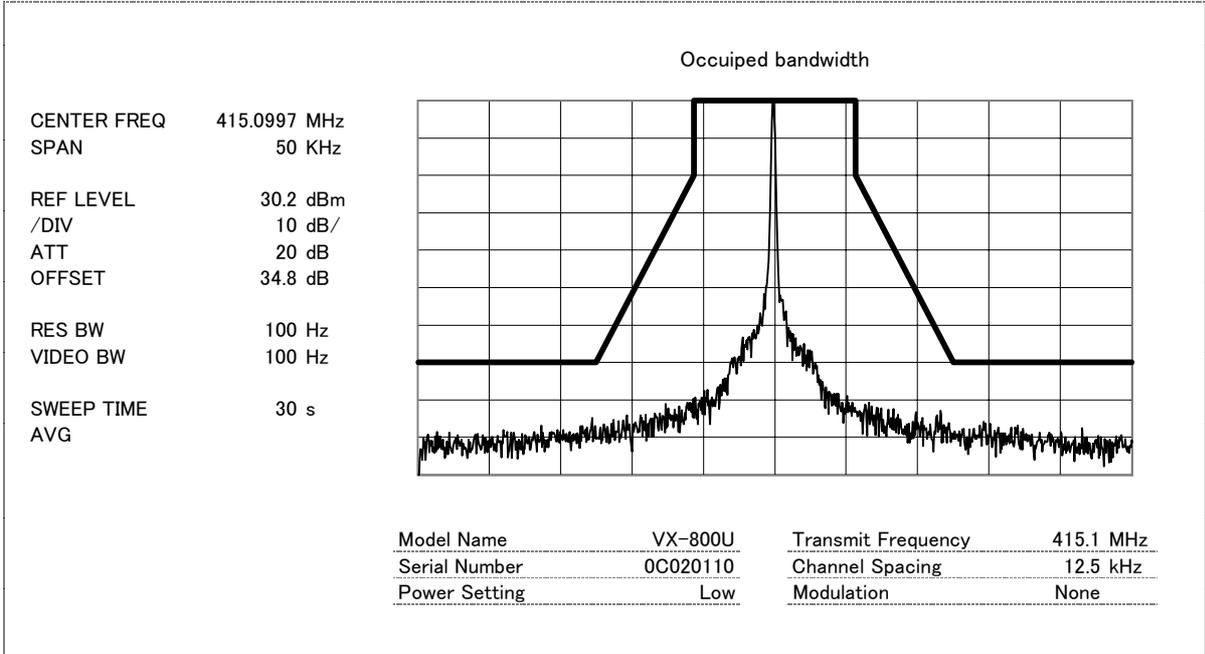


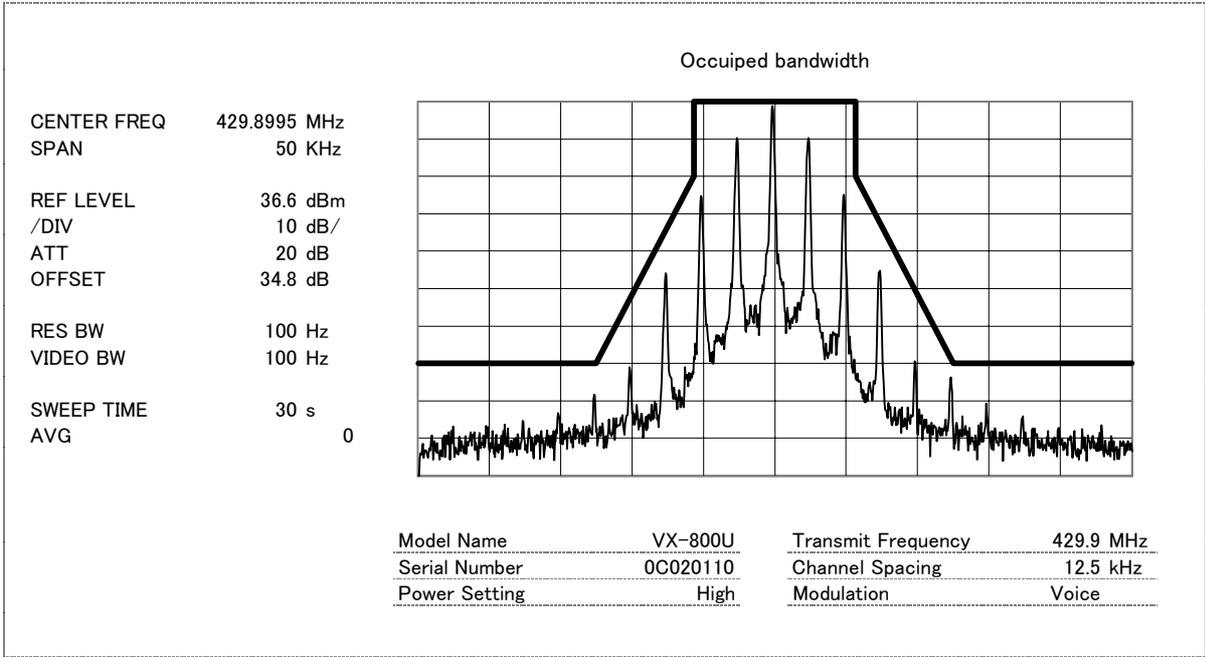
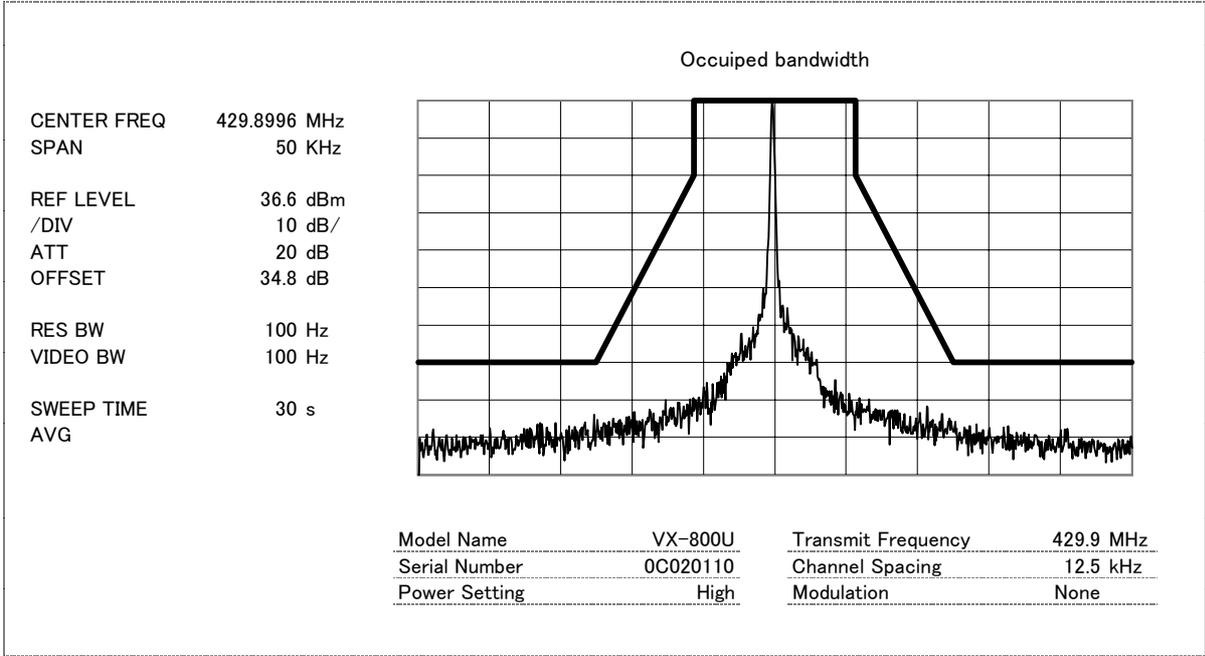


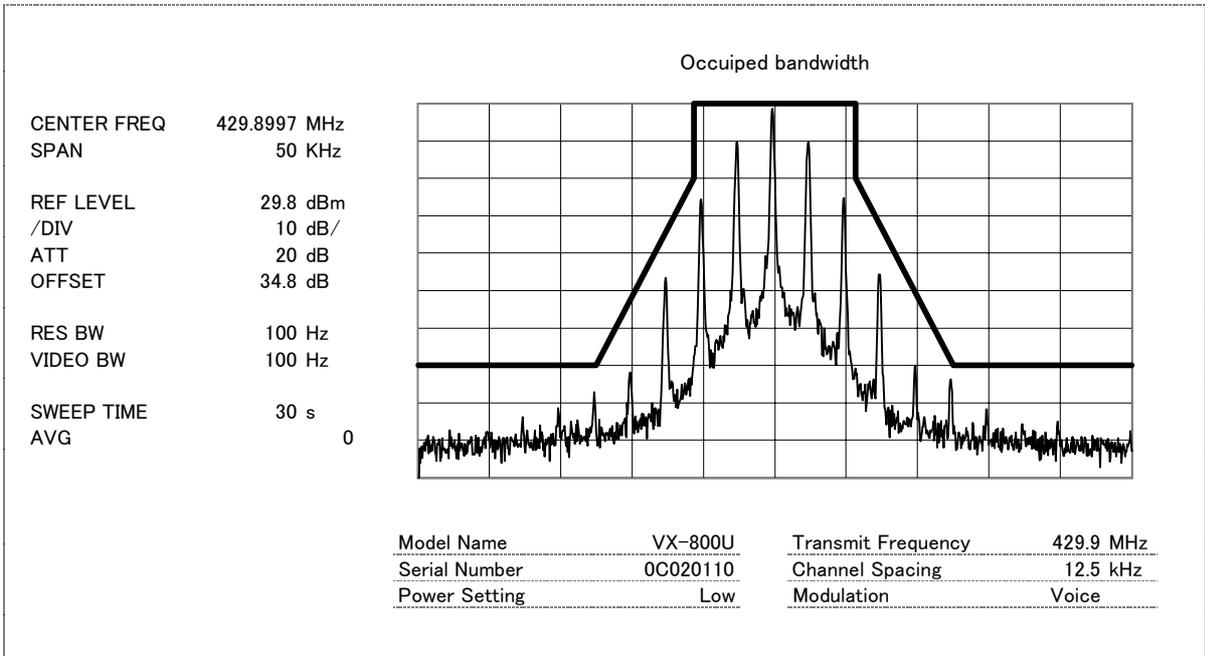
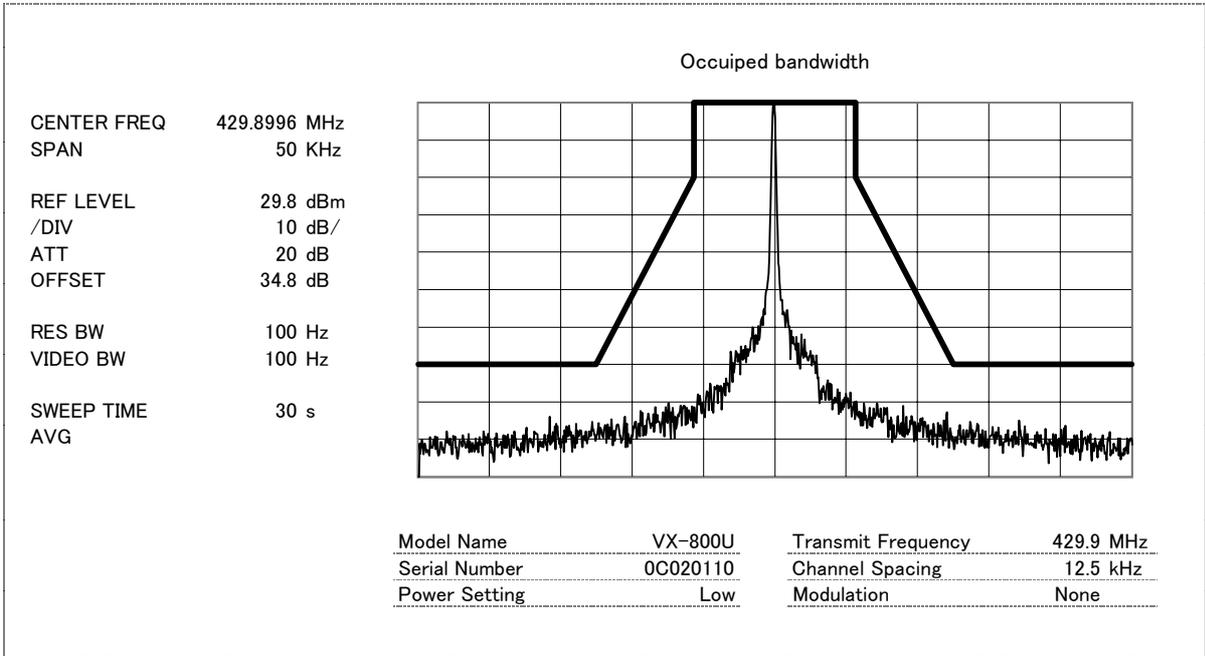








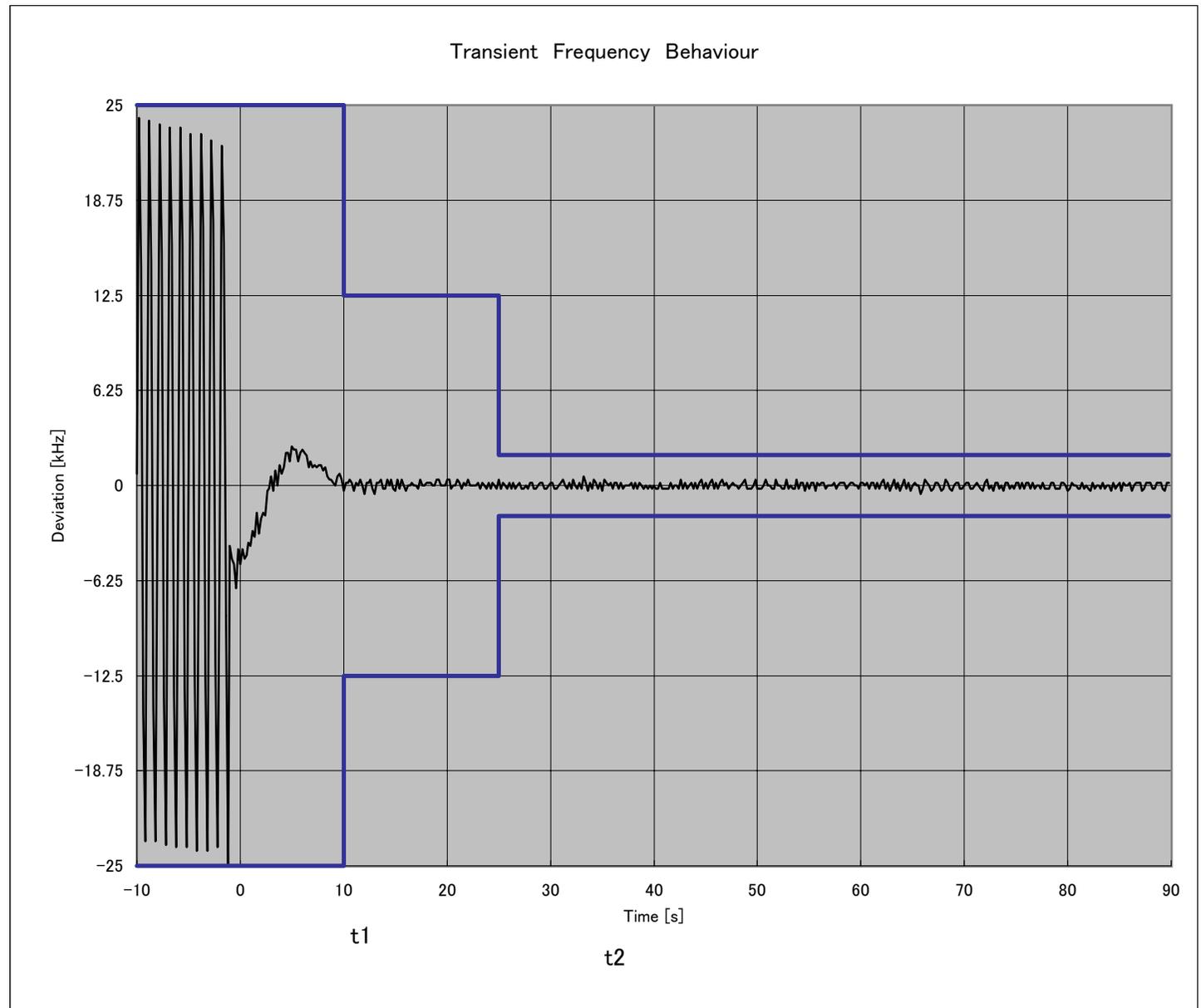




Model name : VX-800U
Serial Number : 0C020110
Frequency : 400.1 [MHz]
Channel Spacing : 25 [kHz]
t1 : 10 [ms]
t2 : 25 [ms]
t3 : [ms]

Volt/Div. : 0.138 [V]
Offset : 1 [V]

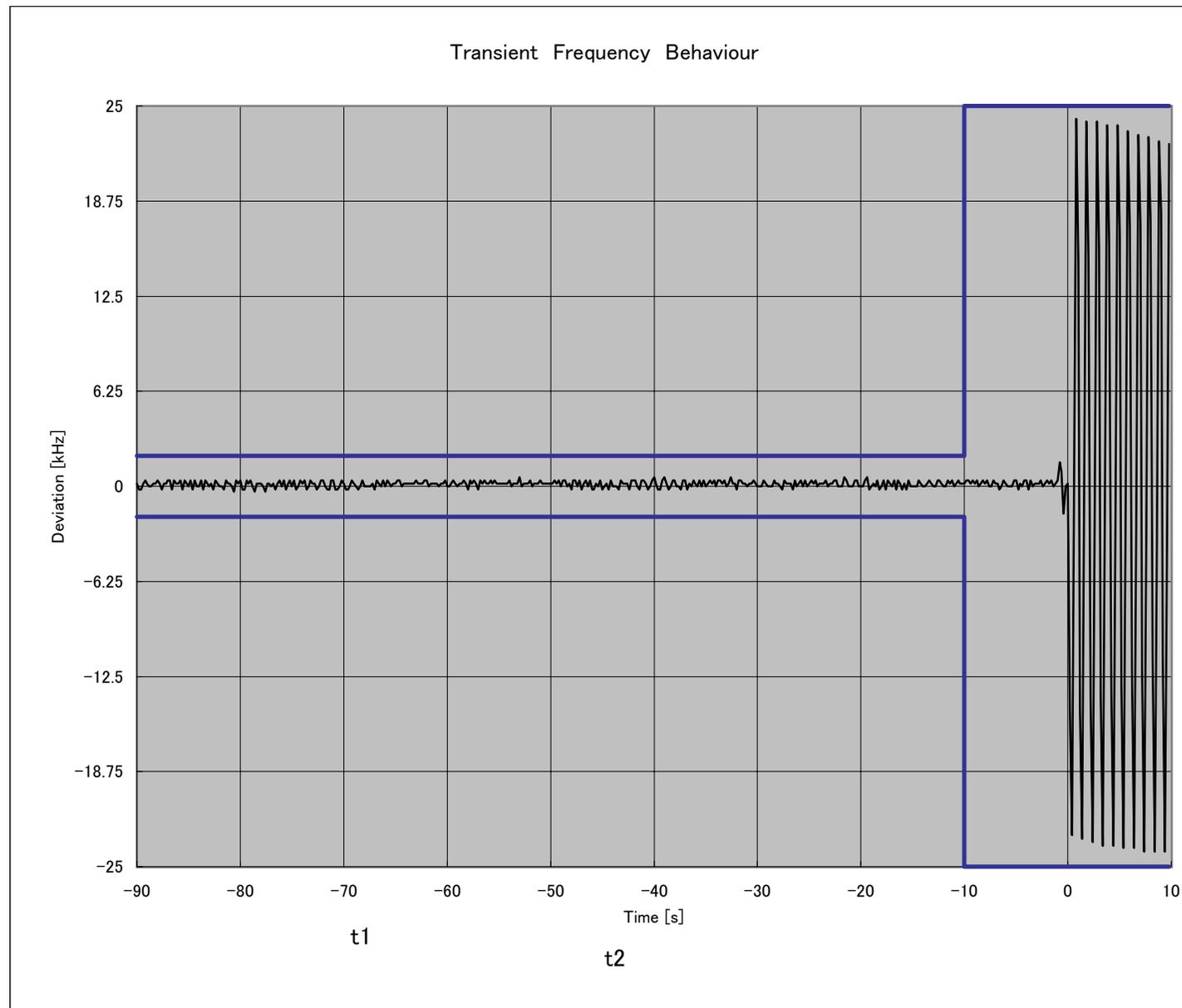
Time/Div. : 10 [ms]
Time Delay : 40 [ms]
Reference : Center



Model name : VX-800U
Serial Number : 0C020110
Frequency : 400.1 [MHz]
Channel Spacing : 25 [kHz]
t1 : 10 [ms]
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t3 : [ms]

Volt/Div. : 0.138 [V]
Offset : 1 [V]

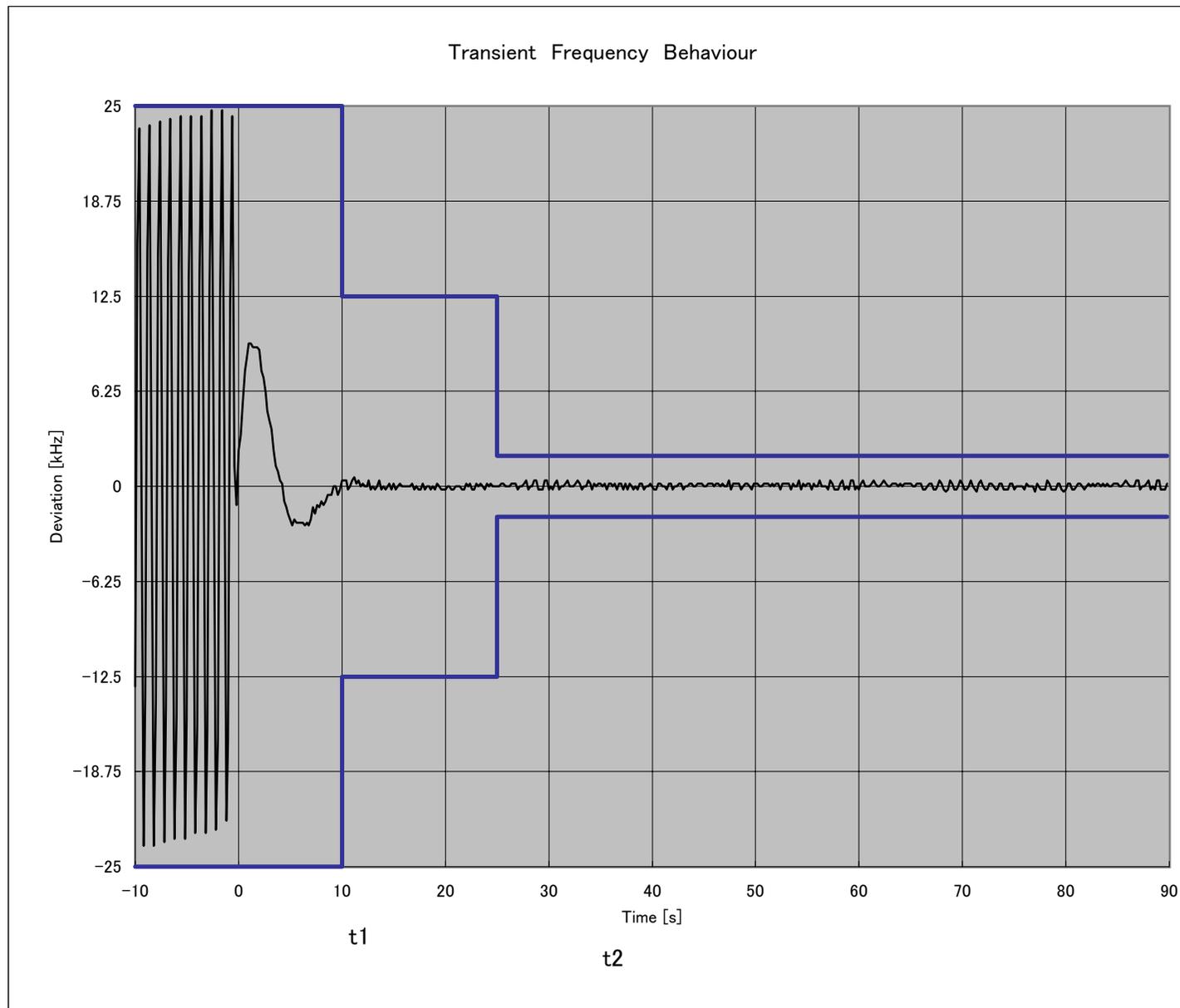
Time/Div. : 10 [ms]
Time Delay : -40 [ms]
Refference : Center



Model name : VX-800U
Serial Number : 0C020110
Frequency : 415.1 [MHz]
Channel Spacing : 25 [kHz]
t1 : 10 [ms]
t2 : 25 [ms]
t3 : [ms]

Volt/Div. : 0.138 [V]
Offset : 1 [V]

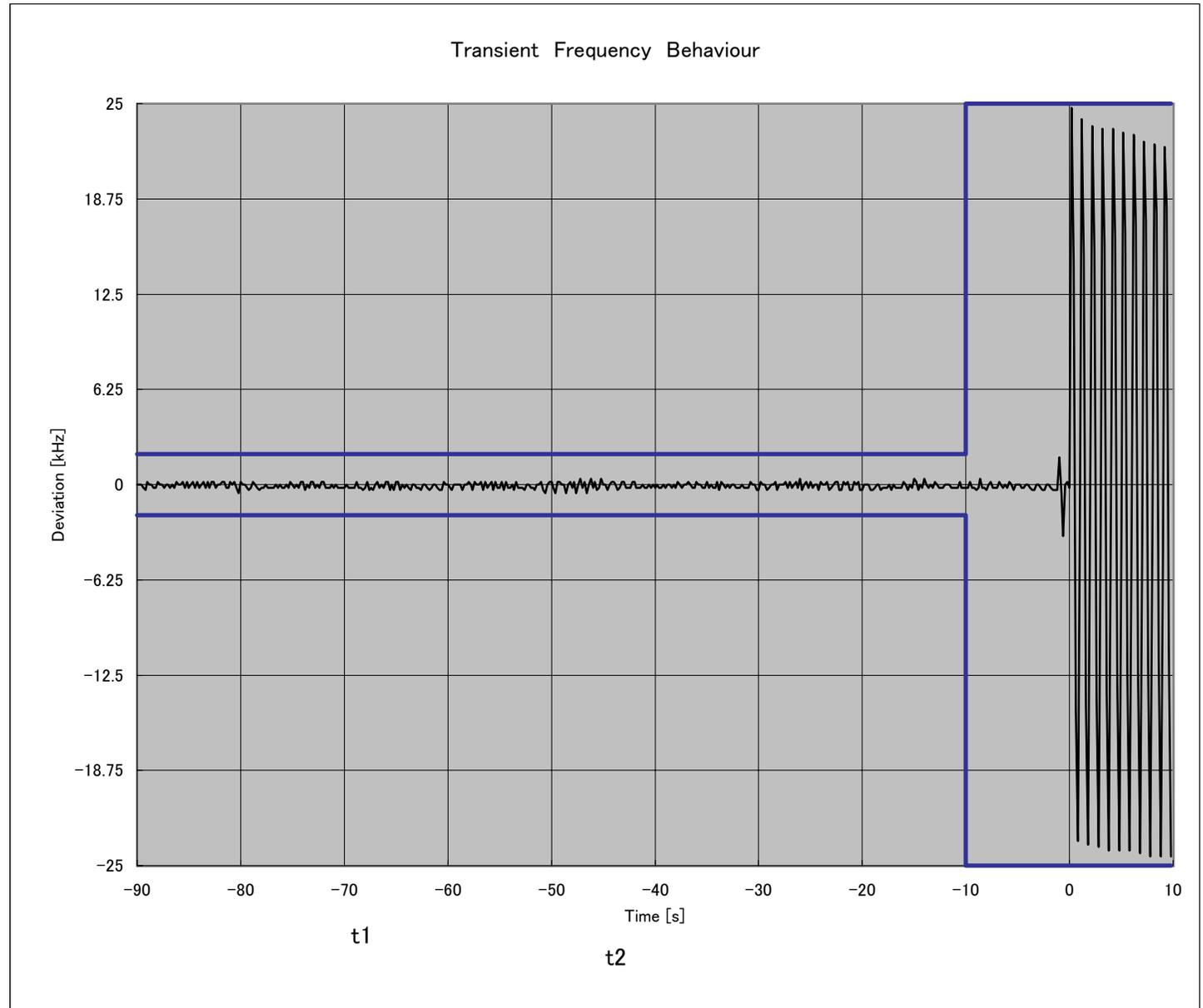
Time/Div. : 10 [ms]
Time Delay : 40 [ms]
Reference : Center



Model name : VX-800U
Serial Number : 0C020110
Frequency : 415.1 [MHz]
Channel Spacing : 25 [kHz]
t1 : 10 [ms]
t2 : 25 [ms]
t3 : [ms]

Volt/Div. : 0.138 [V]
Offset : 1 [V]

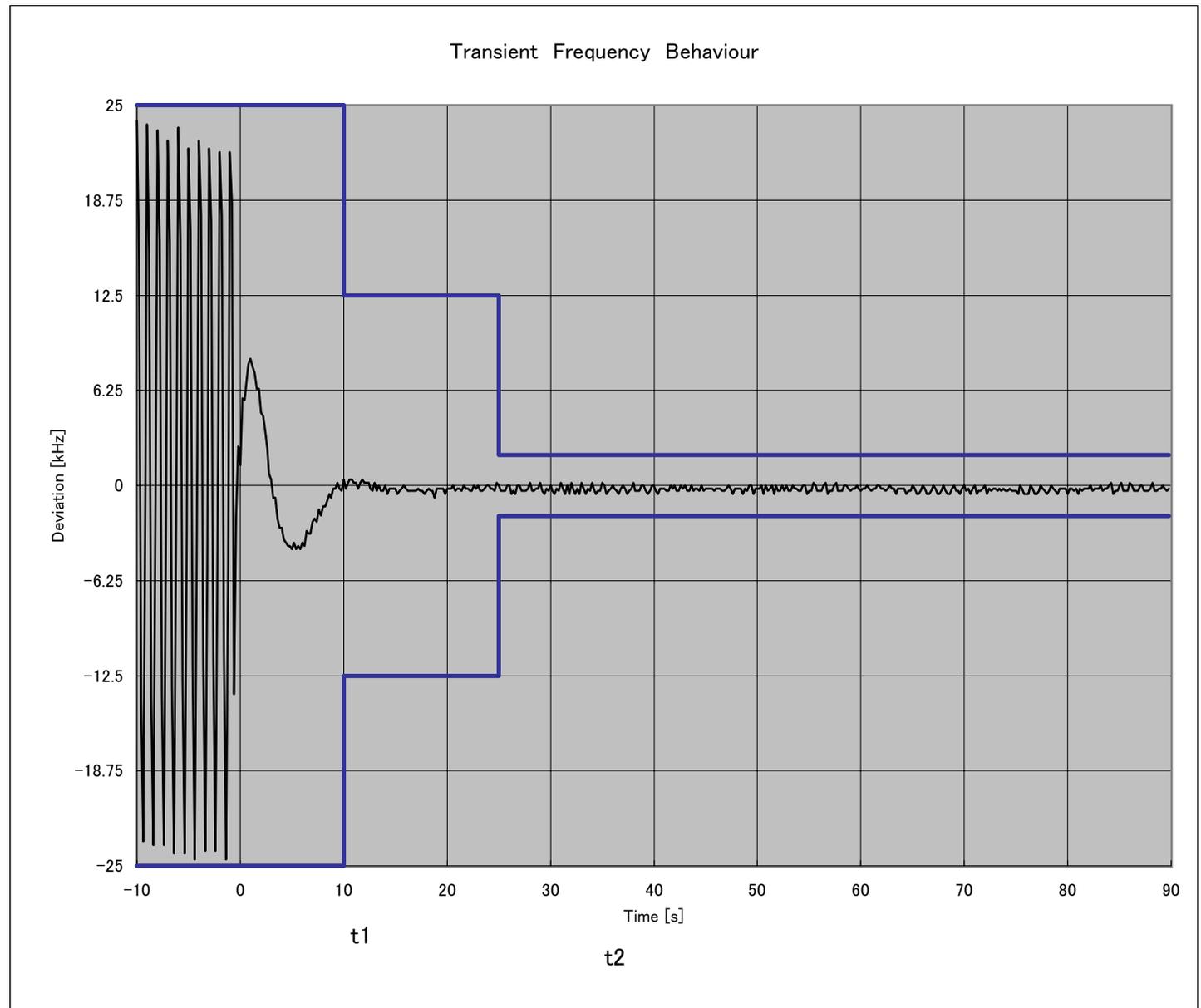
Time/Div. : 10 [ms]
Time Delay : -40 [ms]
Refference : Center



Model name : VX-800U
Serial Number : 0C020110
Frequency : 429.9 [MHz]
Channel Spacing : 25 [kHz]
t1 : 10 [ms]
t2 : 25 [ms]
t3 : [ms]

Volt/Div. : 0.138 [V]
Offset : 1 [V]

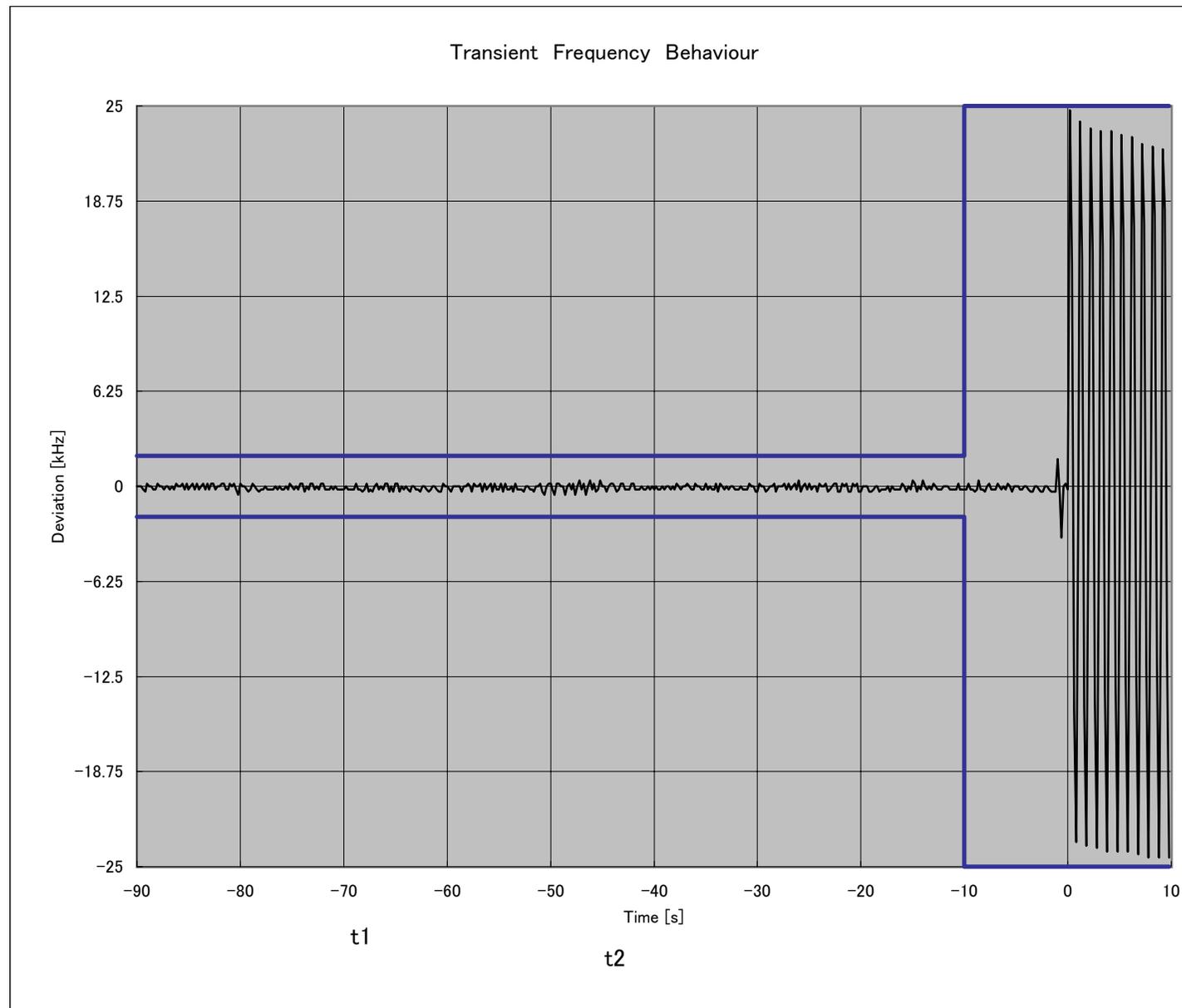
Time/Div. : 10 [ms]
Time Delay : 40 [ms]
Reference : Center



Model name : VX-800U
Serial Number : 0C020110
Frequency : 429.9 [MHz]
Channel Spacing : 25 [kHz]
t1 : 10 [ms]
t2 : 25 [ms]
t3 : [ms]

Volt/Div. : 0.138 [V]
Offset : 1 [V]

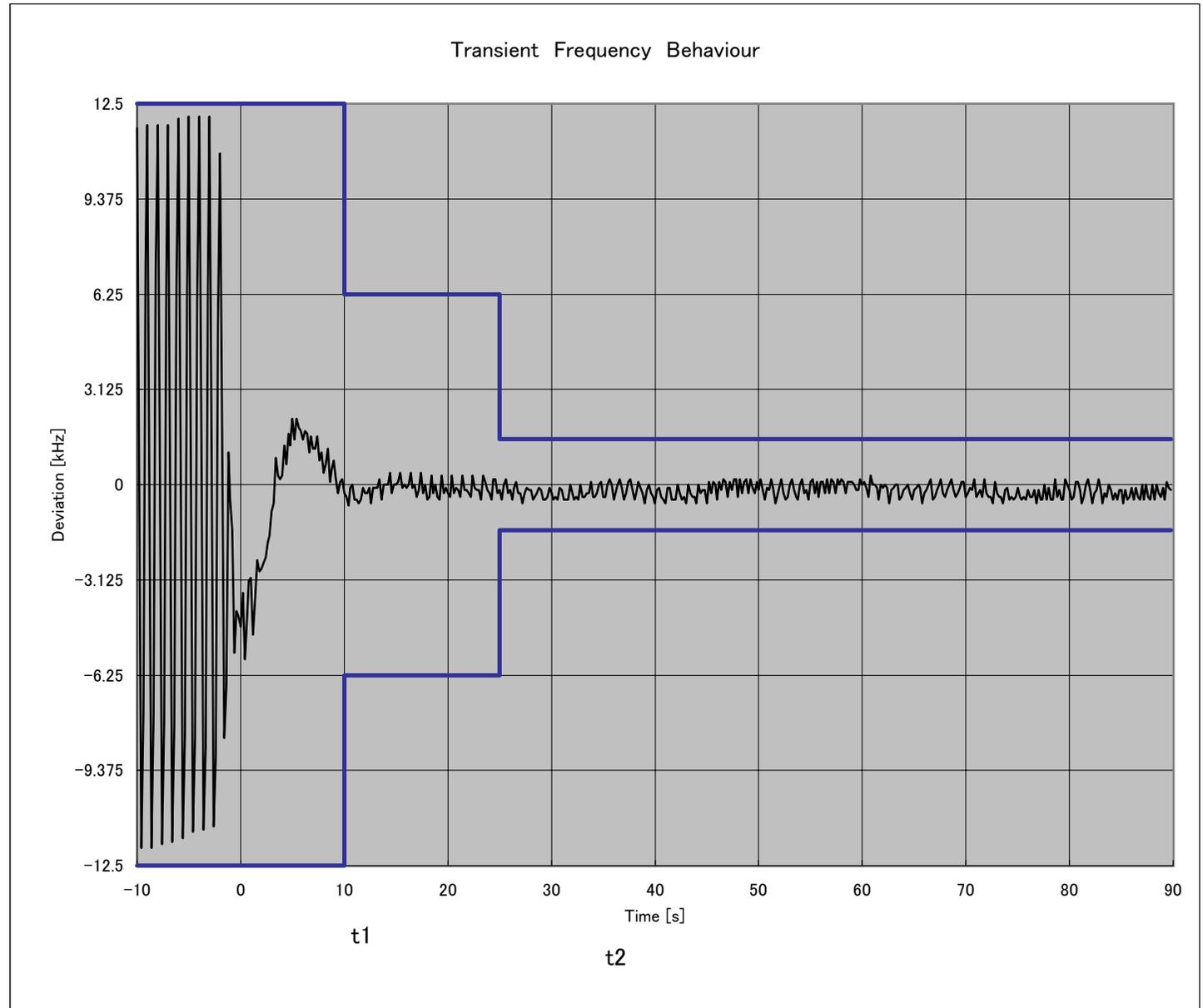
Time/Div. : 10 [ms]
Time Delay : -40 [ms]
Refference : Center



Model name : VX-800U
Serial Number : 0C020110
Frequency : 400.1 [MHz]
Channel Spacing : 12.5 [kHz]
t1 : 10 [ms]
t2 : 25 [ms]
t3 : [ms]

Volt/Div. : 0.069 [V]
Offset : 1 [V]

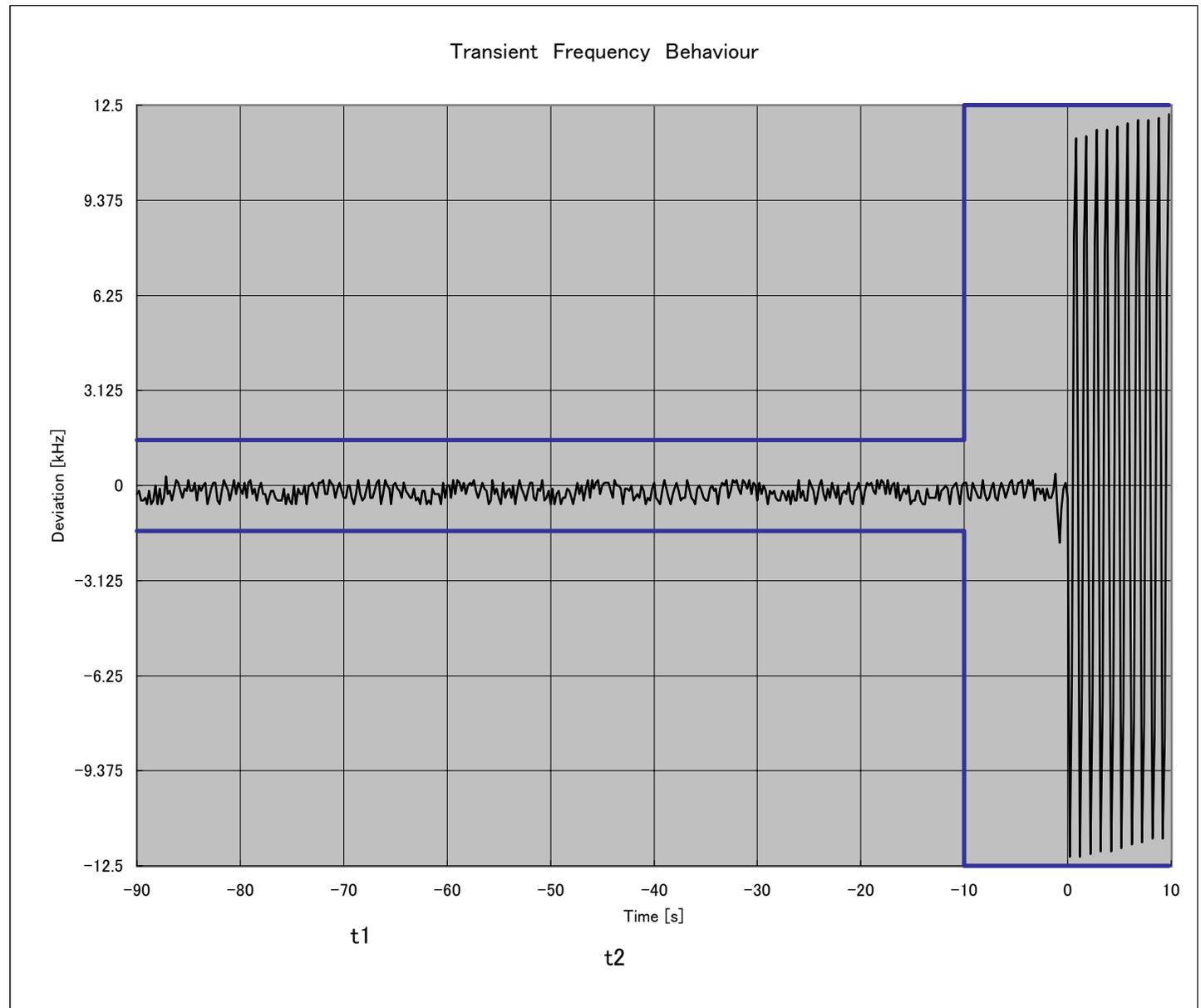
Time/Div. : 10 [ms]
Time Delay : 40 [ms]
Reference : Center



Model name : VX-800U
Serial Number : 0C020110
Frequency : 400.1 [MHz]
Channel Spacing : 12.5 [kHz]
t1 : 10 [ms]
t2 : 25 [ms]
t3 : [ms]

Volt/Div. : 0.069 [V]
Offset : 1 [V]

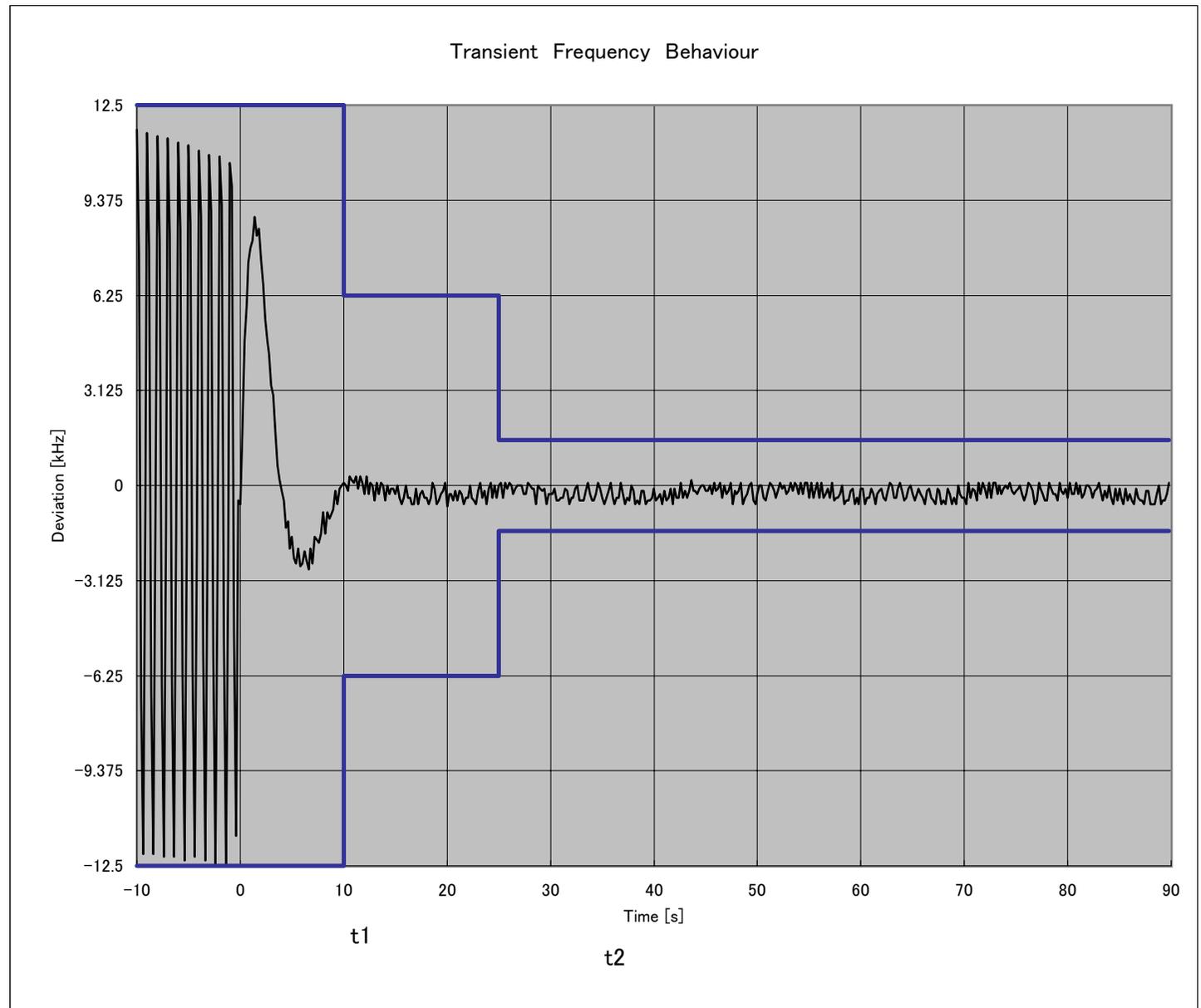
Time/Div. : 10 [ms]
Time Delay : -40 [ms]
Refference : Center



Model name : VX-800U
Serial Number : 0C020110
Frequency : 415.1 [MHz]
Channel Spacing : 12.5 [kHz]
t1 : 10 [ms]
t2 : 25 [ms]
t3 : [ms]

Volt/Div. : 0.069 [V]
Offset : 1 [V]

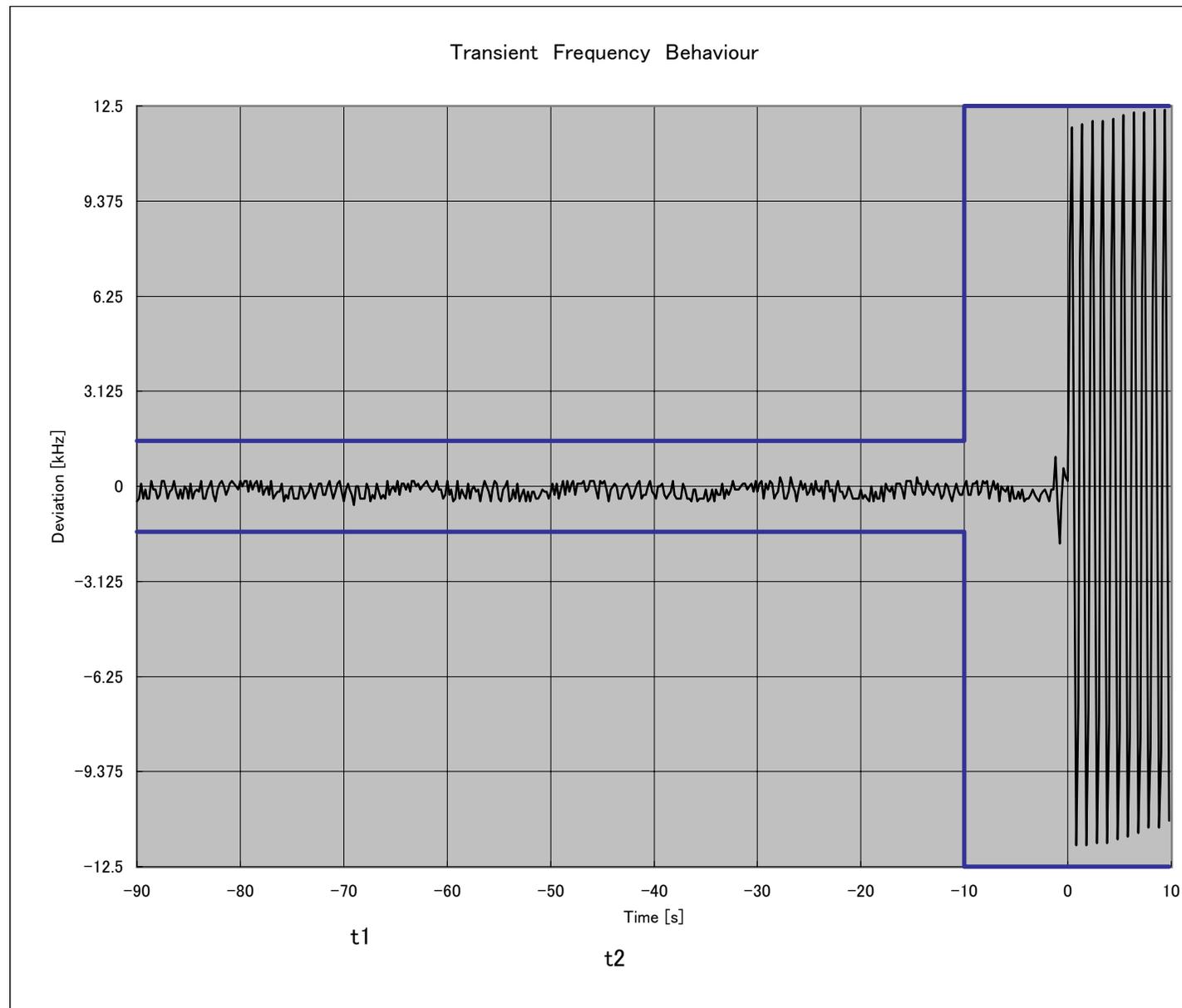
Time/Div. : 10 [ms]
Time Delay : 40 [ms]
Reference : Center



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Serial Number : 0C020110
Frequency : 415.1 [MHz]
Channel Spacing : 12.5 [kHz]
t1 : 10 [ms]
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t3 : [ms]

Volt/Div. : 0.069 [V]
Offset : 1 [V]

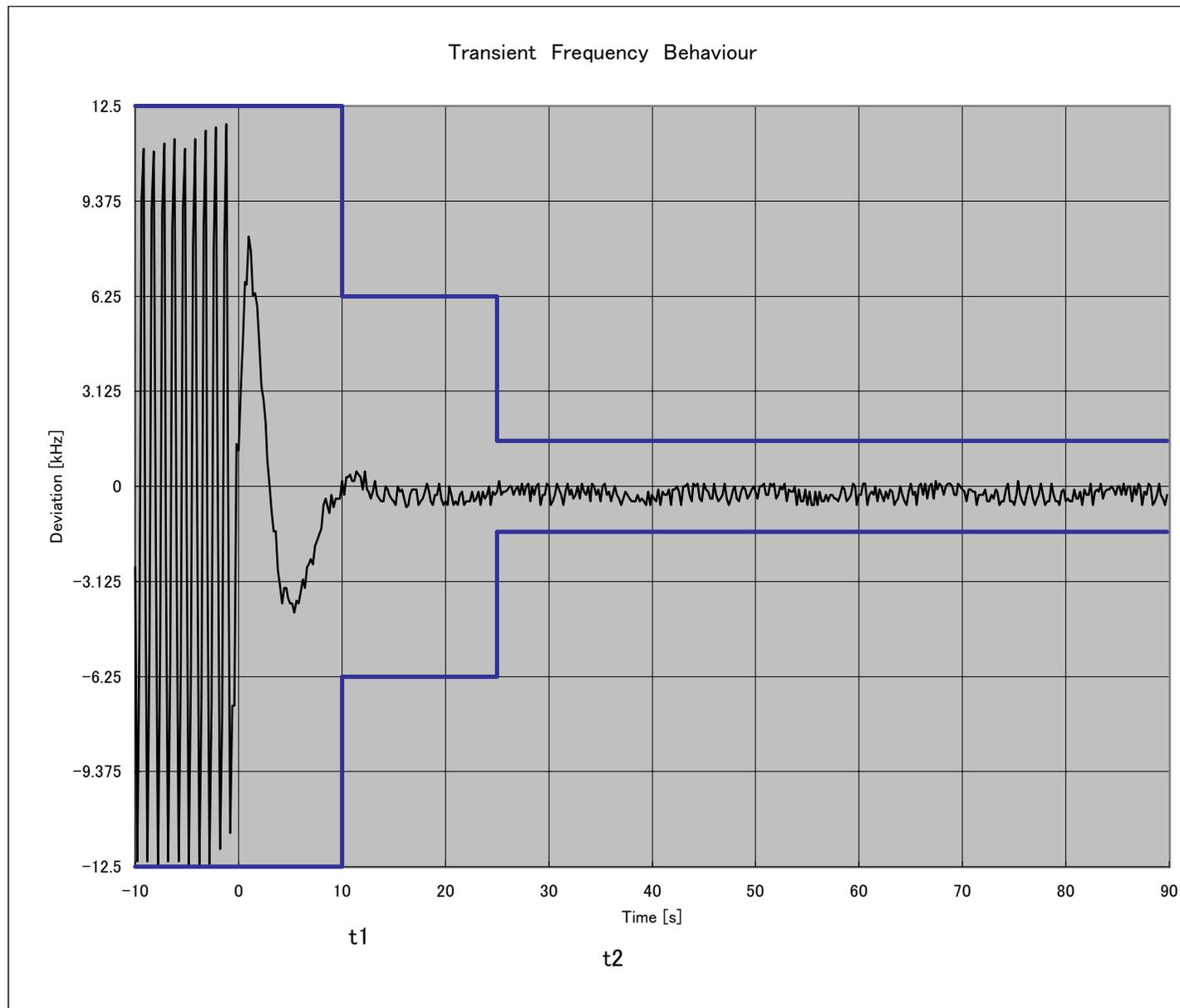
Time/Div. : 10 [ms]
Time Delay : -40 [ms]
Refference : Center



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t1 : 10 [ms]
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Volt/Div. : 0.069 [V]
Offset : 1 [V]

Time/Div. : 10 [ms]
Time Delay : 40 [ms]
Reference : Center



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Serial Number : 0C020110
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Volt/Div. : 0.069 [V]
Offset : 1 [V]

Time/Div. : 10 [ms]
Time Delay : -40 [ms]
Refference : Center

