
REPORT ON
Radio testing of the YAESU VX-177 / VX-127
In accordance with ANSI C63.4 1992, RSS-215

Report number TA000246

November 2005

GENERAL INFORMATION

MODEL NAME: VX-177 / VX-127
 FCC ID: K6620224X20
 IC ID: 511B-20224X20
 MANUFACTURER: Vertex Standard Co., Ltd.
 TRADE NAME: YAESU
 EUT DESCRIPTION: Handportable Transceiver
 SERIAL NUMBER: 5L000003
 VOLTAGE RQUIREMENTS: 7.2 [V]
 DC
 SPECIFICATION ARE REFERENCE ANSI C63.4 1992
 RSS-215
 FREQUENCY RANGE: 420.0 to 470.0 [MHz]

INPUT IMPEDANCE (RF): 2000 [Ω]
 OUTPUT IMPEDANCE (SP): 8 [Ω]
 AUDIO OUTPUT POWER: 0.4 [W]

This report was prepared by Vertex Standard Co., Ltd.

Test performed by M.Kurihara

Date 02 / November /2005

VX-177 / VX-127 Channel Settings

CH No.	Shown on LCD	Receive Frequency [MHz]	IF Frequency [MHz]
1	420.000	420.000	-47.250
2	445.000	445.000	-47.250
3	470.000	470.000	-47.250
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

NAME OF TEST: Receiver Spurious Emissions (Radiated)

STATE: 0 : General

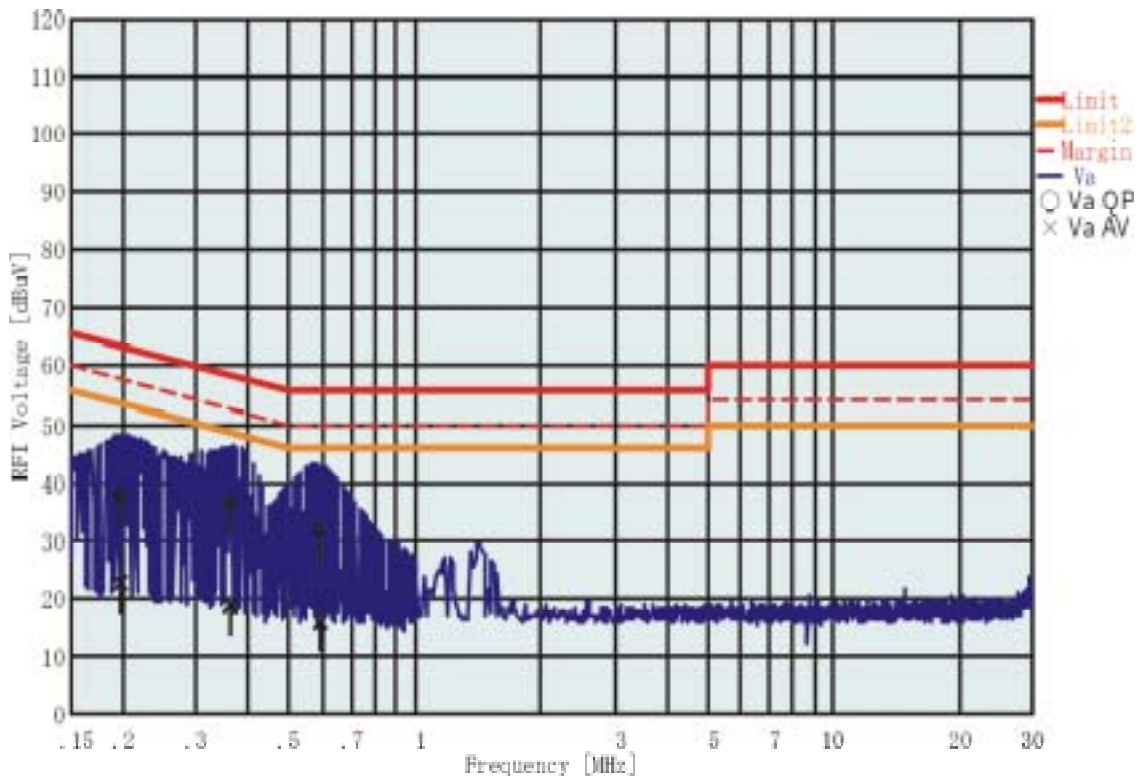
All other emissions in the required measurement range were more than 20dB below the required limits.

MEASUREMENT RESULTS

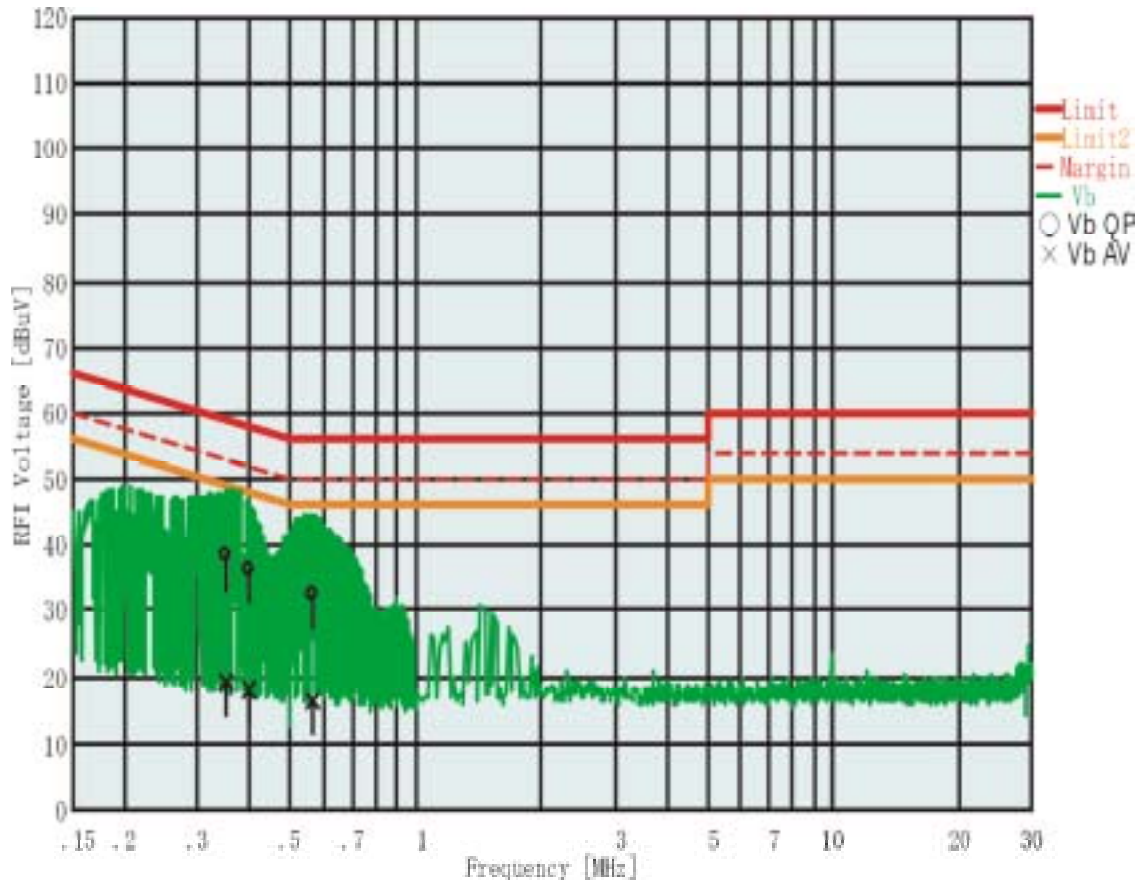
FREQUENCY TUNED, MHz	FREQUENCY EMISSION, MHz	LEVEL, dBuV	@m	CF, dB	uV/m
420.000	372.750	23.0	3	-7.4	14.1
445.000	397.750	24.7	3	-6.4	17.2
470.000	422.750	25.8	3	-6.3	19.5
420.000	1118.250	33.6	3	-10.8	47.7
445.000	1193.250	34.8	3	-10.2	55.1
470.000	1268.250	37.1	3	-9.4	71.6
420.000	1863.750	39.3	3	-4.6	92.0
445.000	1988.750	40.8	3	-3.7	110.0
470.000	2113.750	40.4	3	-2.8	104.2
420.000	2609.250	43.2	3	0.7	144.2
445.000	2784.250	40.8	3	1.9	110.0
470.000	2959.250	35.9	3	2.6	62.5

NAME OF TEST: AC Power Line Conducted

STATE: 0 : General
Line Side



Nutral Side



NAME OF TEST: Scanning Receivers Cellular Band Rejection

FREQUENCY INJECTED: 824.5MHz

FREQUENCY DETECTED, MHz	LEVEL 12dB SINAD at 824.5MHz, dBm	LEVEL 12dB at DETECTED, dBm	REJECTION, dB	MARJIN, dB
-	-	-	>38	-

FREQUENCY INJECTED: 836MHz

FREQUENCY DETECTED, MHz	LEVEL 12dB SINAD at 836MHz, dBm	LEVEL 12dB at DETECTED, dBm	REJECTION, dB	MARJIN, dB
-	-	-	>38	-

FREQUENCY INJECTED: 848.5MHz

FREQUENCY DETECTED, MHz	LEVEL 12dB SINAD at 848.5MHz, dBm	LEVEL 12dB at DETECTED, dBm	REJECTION, dB	MARJIN, dB
-	-	-	>38	-

NAME OF TEST: Scanning Receivers Cellular Band Rejection

FREQUENCY INJECTED: 869.1MHz

FREQUENCY DETECTED, MHz	LEVEL 12dB SINAD at 869.1MHz, dBm	LEVEL 12dB at DETECTED, dBm	REJECTION, dB	MARJIN, dB
-	-	-	>38	-

FREQUENCY INJECTED: 881MHz

FREQUENCY DETECTED, MHz	LEVEL 12dB SINAD at 881MHz, dBm	LEVEL 12dB at DETECTED, dBm	REJECTION, dB	MARJIN, dB
-	-	-	>38	-

FREQUENCY INJECTED: 893.5MHz

FREQUENCY DETECTED, MHz	LEVEL 12dB SINAD at 893.5MHz, dBm	LEVEL 12dB at Freq. DETECTED, dBm	REJECTION, dB	MARJIN, dB
-	-	-	>38	-