

EVOTE INTERNATIONAL LIMITED

Federal Aviation Administration
Office of Spectrum Policy and Management
ASR-1,
800 Independence Ave., SW., Washington, DC 20591

Dear Sir/Madam,

As required under FCC Rule Part 87.147(d), please consider this letter as notification of an application for the certification of the equipment described below:

Equipment Description

KG-S74A transceiver will be used as an Airborne Radio providing the airline market with a long-range high frequency (HF) radio communication service.

Detail Specification

Equipment:	Aviation Radio
Model No.:	KG-S74A
Serial Model No.:	KG-S74A Plus, KG-S74AX, KG-S94A, KG-S94A Plus, KG-S94AX, KG-114A, KG-114A Plus, KG-114AX
Applicant:	EVOTE INTERNATIONAL LIMITED
Manufacturer:	Quanzhou Wouxun Electronics Co., Ltd.
FCC ID:	2A6DTET001
Rated output Power:	2.61 W (Carrier Power)
Emission Bandwidth:	25 kHz: 6K00A3E 8.33kHz: 6K00A3E
Channel Spacing	8.33kHz & 25kHz
Frequency of Operation:	(TX) 118.000 to 135.995MHz (RX) 118.000 to 135.995MHz (RX) 161.650 to 163.275MHz
Antenna Characteristics:	Antenna Impedance 50Ω Antenna Type Dipole Antenna Gain 2.0 dBi
Modulation Type:	AM
Working Voltage:	7.4VDC
Method of tuning	Microprocessor controlled phased lock loop(PLL) arrangement
Frequency Stability (Transmitter):	±2.5 PPM
Receiver RF characteristics:	Sensitivity 0.16 uV (12dB SINAD) Inter-modulation ≤ 65dB Audio Response: + 1 ~ 3dB (0.3-3kHz) No special protection will be required

EVOTE INTERNATIONAL LIMITED

Output Power

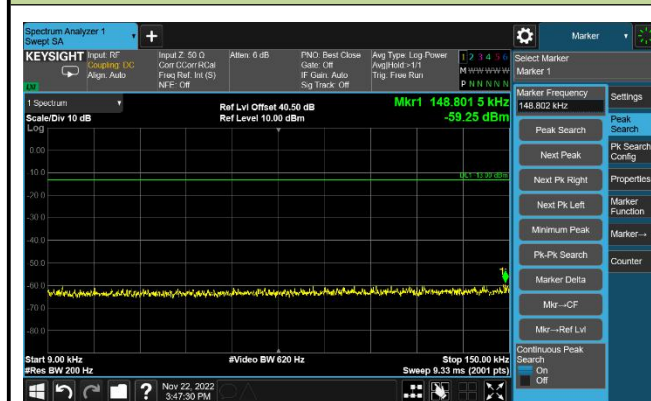
Frequency (MHz)	Channel Spacing (kHz)	Output Power (dBm)	Output Power (W)
118.025	8.33	33.48	2.23
127.025	8.33	33.76	2.38
135.975	8.33	34.17	2.61
118.025	25	33.47	2.22
127.025	25	33.75	2.37
135.975	25	34.13	2.59

Emission plots

Conducted Spurious Emission – 8.33kHz channel spacing

118.025MHz

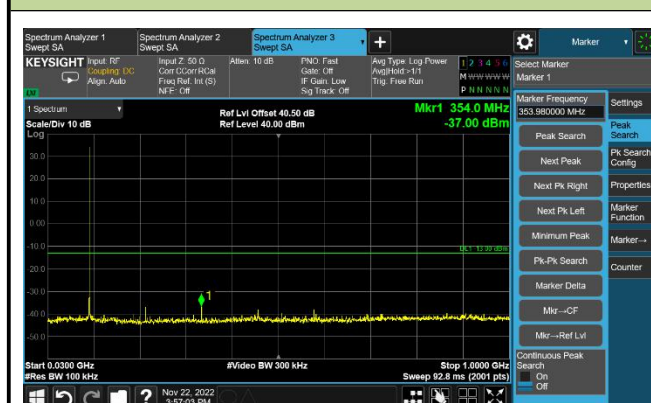
0.009~0.15MHz



0.15~30MHz



30~1000MHz



1000~2000MHz



EVOTE INTERNATIONAL LIMITED

127.025MHz

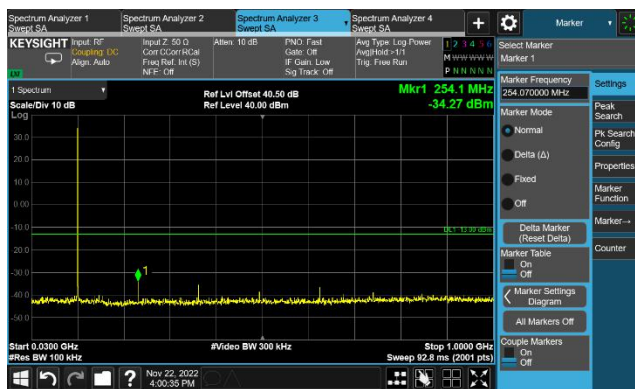
0.009~0.15MHz



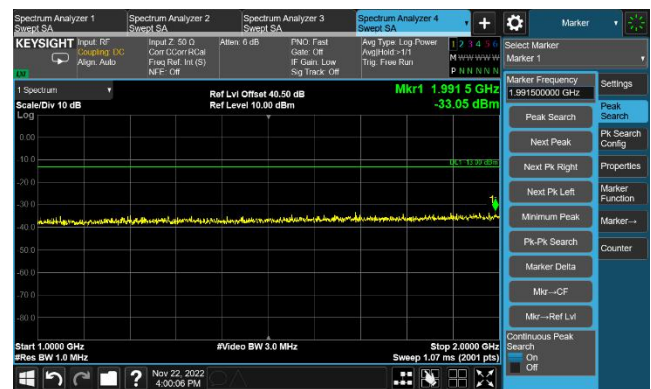
0.15~30MHz



30~1000MHz

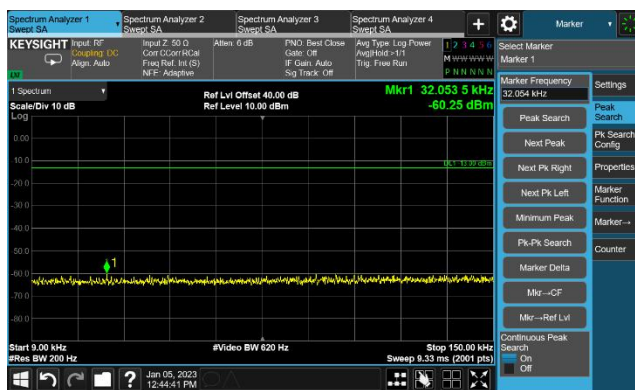


1000~2000MHz



135.975MHz

0.009~0.15MHz

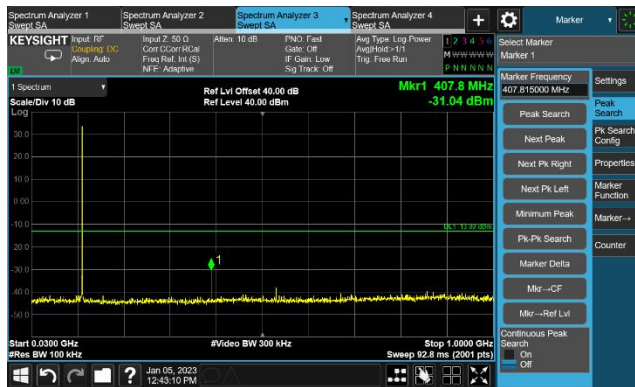


0.15~30MHz



EVOTE INTERNATIONAL LIMITED

30~1000MHz



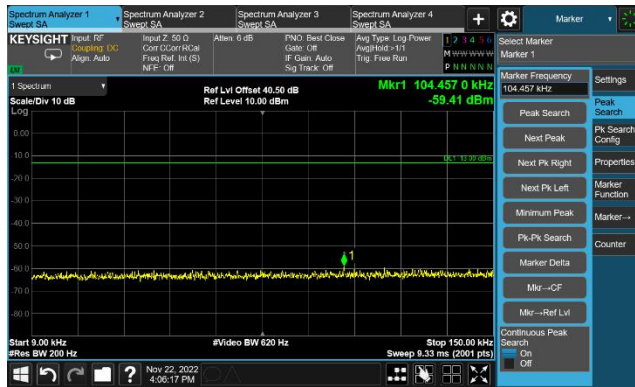
1000~2000MHz



Conducted Spurious Emission – 25kHz channel spacing

118.025MHz

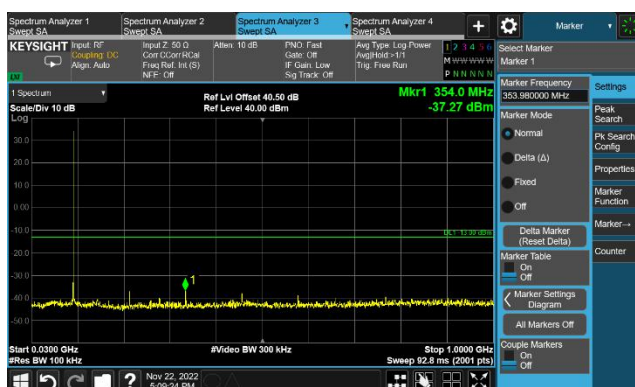
0.009~0.15MHz



0.15~30MHz



30~1000MHz



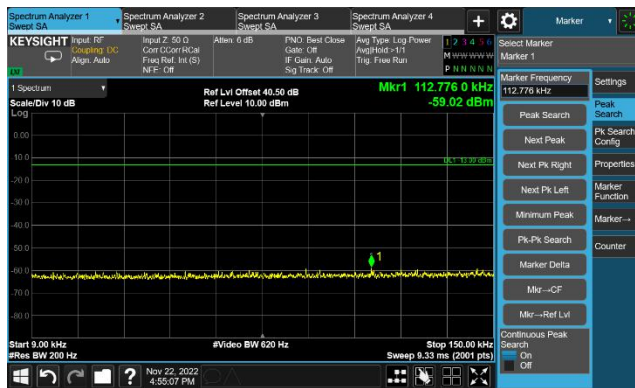
1000~2000MHz



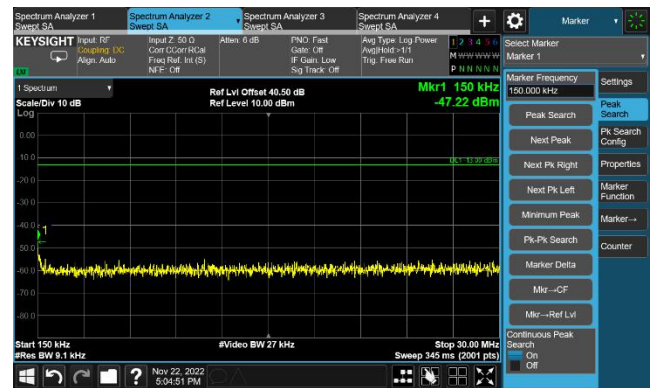
EVOTE INTERNATIONAL LIMITED

127.025MHz

0.009~0.15MHz

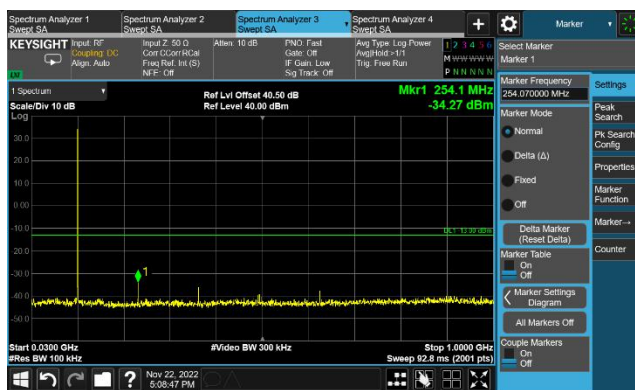


0.15~30MHz



127.025MHz

30~1000MHz

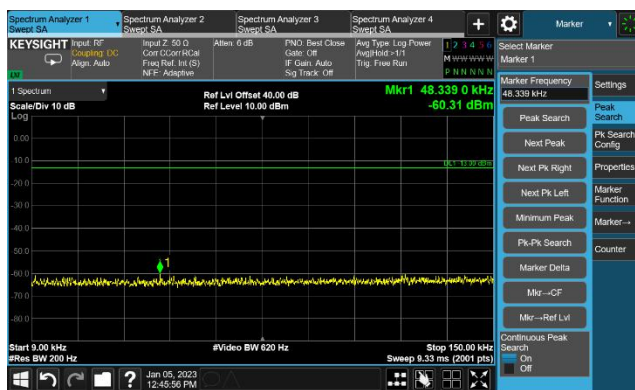


1000~2000MHz



135.975MHz

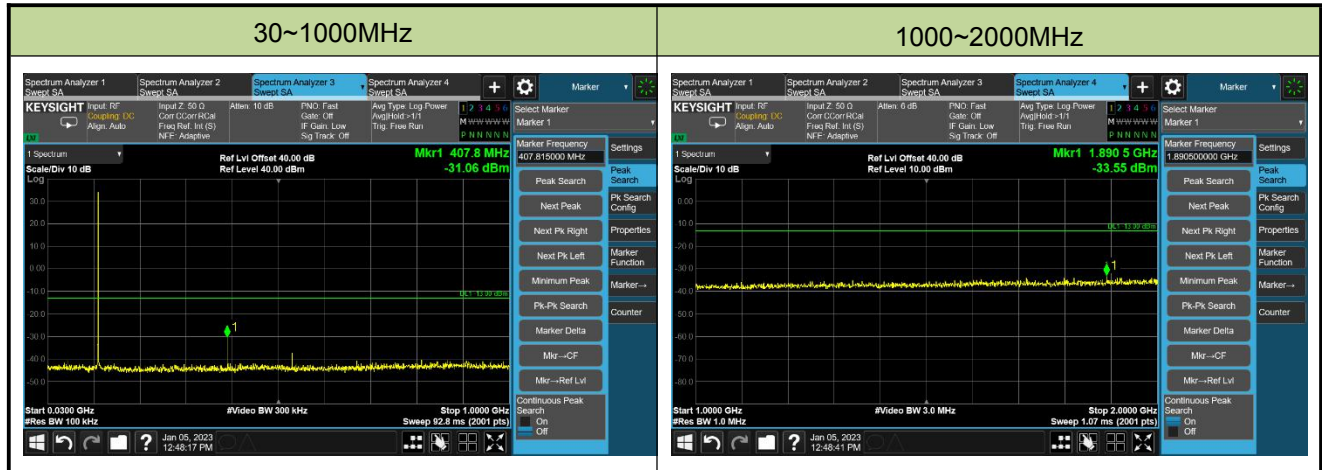
0.009~0.15MHz



0.15~30MHz



EVOTE INTERNATIONAL LIMITED



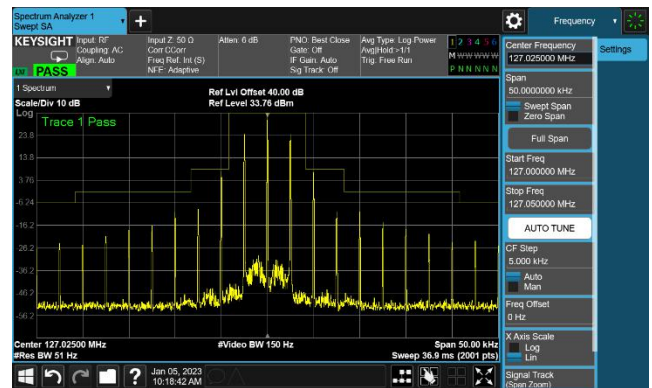
EVOTE INTERNATIONAL LIMITED

Emission Mask – 8.33kHz channel spacing

118.025MHz



127.025MHz



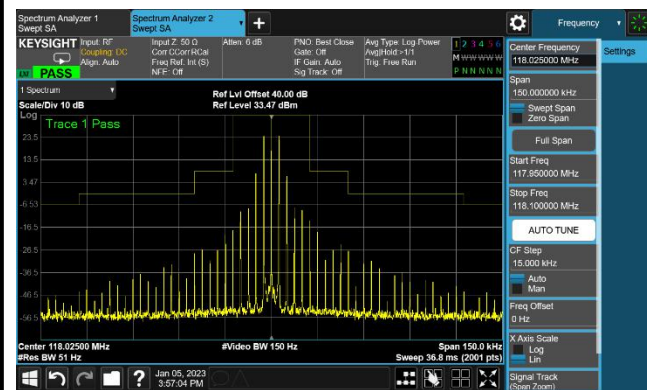
135.975MHz



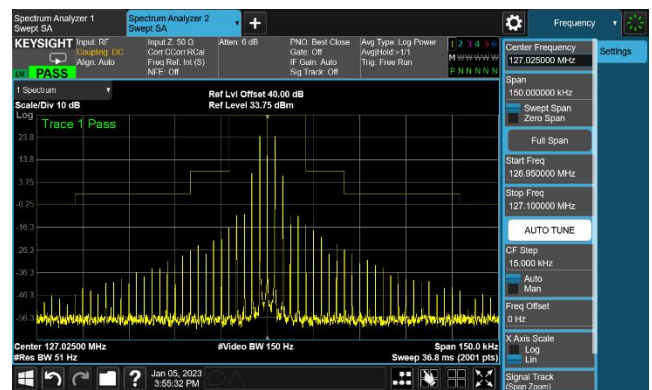
EVOTE INTERNATIONAL LIMITED

Emission Mask – 25kHz channel spacing

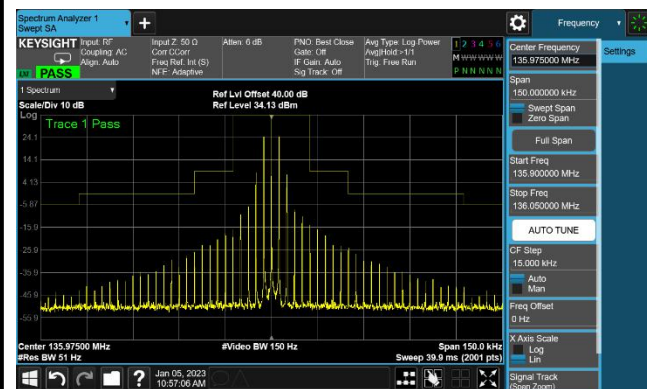
118.025MHz



127.025MHz



135.975MHz



Danny Chen

Name: DANNY CHEN

Title: CEO

Email: evote@evotecom.com

Date: 2023-02-22