

# Quanzhou Risen Electronics Co. Ltd

## Unity Extended Frequency Range – Contiguous Frequency Listing

**DATE:** 2015-01-25

**FCC ID:** 2AGRS-RS629D

**Model:** RS-629D

Dear Sir/Madam,

We, [Quanzhou Risen Electronics Co. Ltd](#) acknowledge that this device is for use in Part 90, additionally, Federal end users are intended per Part 2.103 (a). The frequency bands are: 400 -470 MHz. Part 2.106 has been used to construct the following table of frequency range capability intended for end users. [Quanzhou Risen Electronics Co. Ltd](#) acknowledges that operation on unauthorized frequencies is a violation of FCC rules. [Quanzhou Risen Electronics Co. Ltd](#) acknowledges the inclusion of Grant note code “EF”.

The [RS-629D](#) use Digital modulation, modulation type is 4FSK, channel separation is 12.5 KHz, using lowest data rate 9.6kbps, equal with twice 6.25 KHz channel bandwidth, the minimum data rate is  $9.6/2=4.8$ kbps; meets FCC Part 90.203j(5) requirements.

According to 90.203(j)(1), The device is capable of operating on the nationwide public safety interoperability calling channel which is 453.2125 MHz and fulfil the requirement as below:

90.20(d)(27). This frequency will be assigned with an authorized bandwidth not to exceed 11.25 kHz.

90.20(d)(80). After December 7, 2000 this frequency is available primarily for public safety interoperability only communications. Stations licensed prior to December 7, 2000 may continue to use this frequency on a co-primary basis until January 1, 2005. After January 1, 2005, all operations will be secondary to co-channel interoperability communications.

90.20(d)(83). This interoperability frequency is dedicated for the express purpose of nationwide interoperability calling.

Freq(MHz)	Part 90	Federal
400-406.1		X
406.1-420	X	
420-454	X	
454-456		X
456-462.5375	X	
462.5375-462.7375		X
462.7375-467.5375	X	
467.5375-467.7375		X
467.7375-470	X	

**Sincerely yours,**

*Jesse Lee*  
R.M.

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