



# ENGINEERED SAFETY CONSULTING SERVICES

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March 23, 2000

Federal Communications Laboratory  
7435 Oakland Mills Road  
Columbia, MD 21046-1609  
USA

**Subject:** Request for Equipment Authorization re Models FR530, FR500

**FCC Grantee Code:** OTV

**FCC ID:** OTVFR530-2, OTVFR500-2

Dear Sirs:

SB Technologies Corp. of Korea, hereby makes application for Equipment Authorizations for the subject models. These equipments are Family Radio Services Devices, under Part 95 of the Rules.

The Model FR 530 was tested under Part 95 of the Rules and found to be compliant. Testing was done at Spectrum Technologies, Edmonds WA. See this test facility's report and attestations.

The information below is supplemental to the list of attachments file and input to the FCC reporting database input.

Model FR530 is the more complex of the two models. Each model uses an identical RF Board (identified as SBM-2010) The files are in .jpg format, identified as 2010-11,-21

Model 530 photographs are filed as .jpg files, identified as 530-1,-2,-3,-4.

Model 530 owner's manual is filed as owner.pdf file

Model 530 Schematics are filed as FR530~1.pdf, Pages 6 & 10 on the Adobe Acrobat Reader

Model 530 Parts Lists are filed as FR530~1.pdf, Pages 8,9,12,13

Model 530 block diagrams are filed as FR530~1.pdf, Pages 7, 11

Model 500 photographs are filed as .jpg files, identified as 500-1,-2,-3,-4.

Model 500 owner's manual is filed as owner500.pdf

Model 500 schematics are filed as part of FR530~1.pdf, Pages 2 & 10 on the Adobe Acrobat Reader

Model 500 Parts lists are filed as FR530~1.pdf, Pages 4,5, 12,13

Model 500 block diagrams are filed as FR530~1.pdf, pages 3 and 11

Please see the list of attachments, file attachlist.doc, for complete information.

## Description of Models

### **Model FR530:**

Model FR530 has these functions/features:

1. Power Button
2. PTT Button
3. Monitor Button
4. Belt Clip
5. Battery Compartment for 3 AAA Cells
6. Call Button to send a ringer signal to all radios tuned to the same channel
7. Microphone
8. Up button to increase the volume or channel setting or change the function selection
9. Down button to decrease the volume or channel setting or change the function selection
10. LCD Display which displays all functions and modes -- figure one Below
11. Function Select Button for altering the function setting and operation of the unit
12. Antenna which is permanently attached to the unit
13. Microphone Jack for use with an external microphone or PTT button
14. Speaker Jack for use with a manufacturer approved headset only. This unit was tested per Part 95 and 15 with this accessory attached.
15. Channel Selection is made by pushing the up or down button. Fourteen Channels are available
16. Channel Scan provides an endless channel sweep from channels one thru fourteen
17. Battery Level indicator is an icon in the display which flashes when batteries need replacement

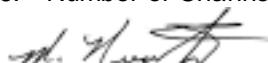
### **Model FR500**

Model FR500 has these functions/features:

1. Power on button
2. PTT button
3. Monitor Button
4. Belt Clip
5. Battery compartment for three AAA Cells
6. Speaker
7. Microphone
8. Call Button
9. Up Button to increase speaker volume
10. Down Button to decrease speaker volume
11. LED Lamp which illuminates during transmission or flashes when battery power is low
12. Channel Select Switch -- a manually operated switch to select either channel one, eight or fourteen
13. Antenna which is permanently attached to the unit
14. Microphone jack for use with external microphone
15. Speaker jack for use with manufacturer approved headset only

### **Model Differences:**

<b>Feature</b>	<b>Model FR530</b>	<b>Model FR500</b>
1. Up/down buttons	Select spkr. volume, channel selection, functions	Select Speaker volume
2. LCD display	Has one	None
3. LED lamp	none	Has one
4. Channel Selection	By way of up/down buttons and software	Mech. Switch & software
5. Function Select Button	Has one	None
6. Number of Channels	14	3



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