

## TEST DATA

|                             |                        |             |                  |
|-----------------------------|------------------------|-------------|------------------|
| Model Name                  | : HX460S               |             |                  |
| Serial Number               | : 0K001501             |             |                  |
| Specification is Referenced | : RSS-119              |             |                  |
| Type                        | : USA                  |             |                  |
| Emission Type               | : 16K0F3E              |             |                  |
| Channel Spacing             | : 25                   |             | [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          | : 156.0500 [MHz] |
|                             |                        | RX          | : 156.0500 [MHz] |
|                             | 2                      | TX          | : 156.7250 [MHz] |
|                             |                        | RX          | : 156.7250 [MHz] |
|                             | 3                      | TX          | : 157.4250 [MHz] |
|                             |                        | RX          | : 157.4250 [MHz] |
|                             |                        |             | [MHz]            |
|                             |                        |             | [MHz]            |
| 1st IF Frequency            |                        |             |                  |
|                             | RX                     | : 21.7      | [MHz]            |
| 2nd IF Frequency            |                        |             |                  |
|                             | RX                     | : 450       | [kHz]            |
| Microphone Impedance        |                        | : 600       | [Ω]              |
| Speaker Impedance           |                        | : 4         | [Ω]              |
| Manufacturer                | : YAESU MUSEN Co.,Ltd. |             |                  |
| Test Operator               | : M.Kurihara           |             |                  |
| Test Date                   | Start                  | : 2000/9/4  |                  |
|                             | Finish                 | : 2000/9/5  |                  |

### HX460S Channel Settings

| CH No. | Shown on LCD | Transmit Frequency [MHz] | Receive Frequency [MHz] | CH Spacing | Power          |                 |
|--------|--------------|--------------------------|-------------------------|------------|----------------|-----------------|
|        |              |                          |                         |            | High (default) | Low (press H/L) |
| 1      | 01           | 156.05                   | 156.05                  | 25k        | 5W             | 1W              |
| 2      | 74           | 156.725                  | 156.725                 | 25k        | 5W             | 1W              |
| 3      | 88A          | 157.425                  | 157.425                 | 25k        | 5W             | 1W              |
| 4      |              |                          |                         |            |                |                 |
| 5      |              |                          |                         |            |                |                 |
| 6      |              |                          |                         |            |                |                 |
| 7      |              |                          |                         |            |                |                 |
| 8      |              |                          |                         |            |                |                 |
| 9      |              |                          |                         |            |                |                 |
| 10     |              |                          |                         |            |                |                 |
| 11     |              |                          |                         |            |                |                 |
| 12     |              |                          |                         |            |                |                 |
| 13     |              |                          |                         |            |                |                 |
| 14     |              |                          |                         |            |                |                 |
| 15     |              |                          |                         |            |                |                 |
| 16     |              |                          |                         |            |                |                 |
| 17     |              |                          |                         |            |                |                 |
| 18     |              |                          |                         |            |                |                 |
| 19     |              |                          |                         |            |                |                 |
| 20     |              |                          |                         |            |                |                 |

Model Name :HX460S  
 FCC ID :K66HX460S  
 Serial Number :0K001501

Emission Type :16K0F3E  
 Channel Spacing :25 [kHz]  
 Band Type :USA

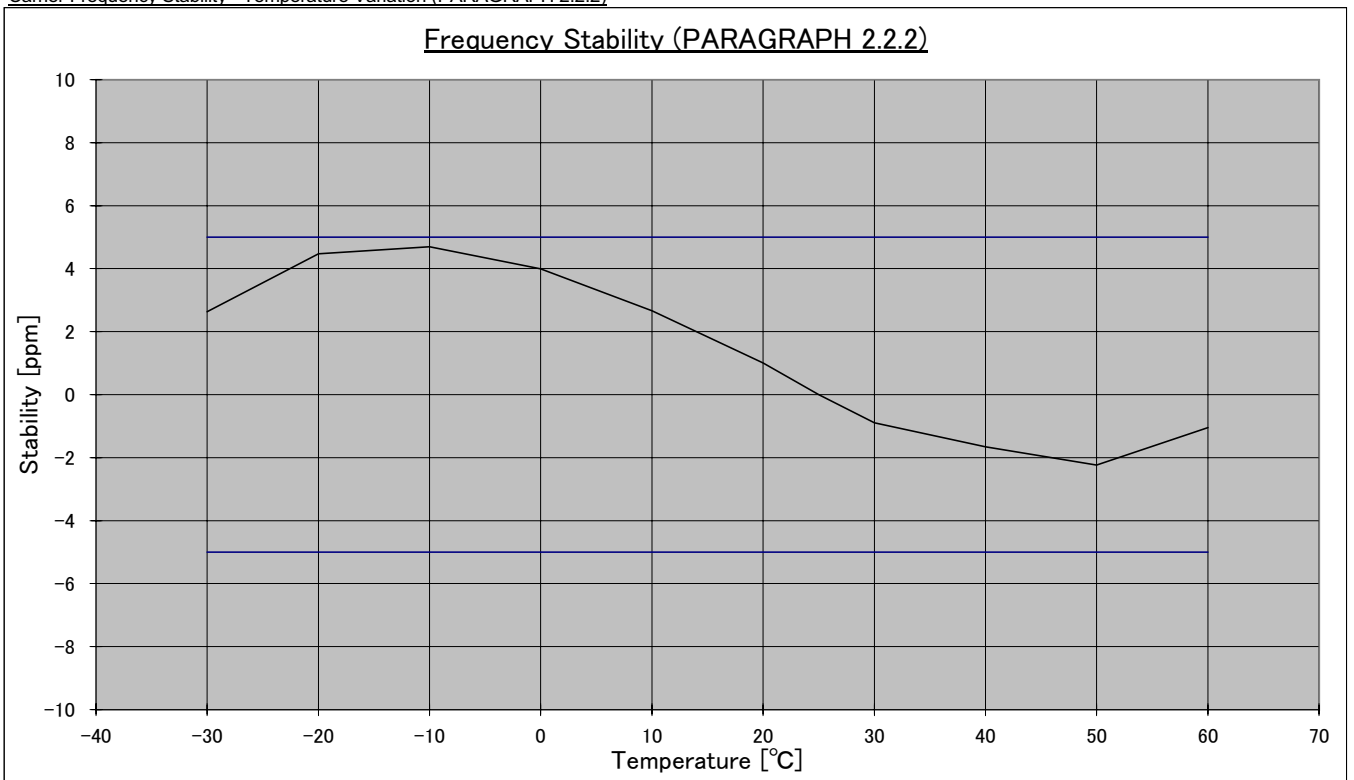
Carrier Power Output Rating (PARAGRAPH 2.2.1)

| Carrier Frequency [MHz] | RF Power HIGH [W] | RF Power LOW 1 [W] | RF Power LOW 2 [W] | RF Power LOW 3 [W] |
|-------------------------|-------------------|--------------------|--------------------|--------------------|
| 156.050                 | 4.93              | 1.05               | 2.40               |                    |
| 156.725                 | 4.90              | 1.05               | 2.40               |                    |
| 157.425                 | 4.93              | 1.05               | 2.40               |                    |

Carrier Frequency Stability - Voltage Variation (PARAGRAPH 2.2.2)

| STV [%] | Voltage [V] | Change in Frequency |      |       |
|---------|-------------|---------------------|------|-------|
|         |             | [MHz]               | [Hz] | [ppm] |
| 100.00  | 7.20        | 156.72502           | 20.0 | 0.13  |
| 85.00   | 6.12        | 156.72502           | 20.0 | 0.13  |
| 115.00  | 8.28        | 156.72502           | 20.0 | 0.13  |

Carrier Frequency Stability - Temperature Variation (PARAGRAPH 2.2.2)



Model Name :HX460S  
 FCC ID :K66HX460S  
 Serial Number :0K001501

Emission Type :16K0F3E  
 Channel Spacing :25 [kHz]  
 Band Type :USA

## Conducted Spurious Emission (PARAGRAPH 2.2.13)

POWER: HIGH

|      | Carrier Freq             |                           |                          |                           |                          |                           |                          |                           |
|------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|
|      | 156.050 MHz              |                           | 156.725 MHz              |                           | 157.425 MHz              |                           | MHz                      |                           |
|      | Emission Frequency [MHz] | Spurious Attenuation [dB] | Emission Frequency [MHz] | Spurious Attenuation [dB] | Emission Frequency [MHz] | Spurious Attenuation [dB] | Emission Frequency [MHz] | Spurious Attenuation [dB] |
| 2nd  | 312.10                   | -73.80                    | 313.45                   | -73.80                    | 314.85                   | -74.80                    |                          |                           |
| 3rd  | 468.15                   | -89.20                    | 470.18                   | -90.50                    | 472.28                   | -90.30                    |                          |                           |
| 4th  | 624.20                   | -86.50                    | 626.90                   | -89.60                    | 629.70                   | -90.00                    |                          |                           |
| 5th  | 780.25                   | -                         | 783.63                   | -                         | 787.13                   | -                         |                          |                           |
| 6th  | 936.30                   | -                         | 940.35                   | -92.00                    | 944.55                   | -                         |                          |                           |
| 7th  | 1092.35                  | -75.00                    | 1097.08                  | -74.20                    | 1101.98                  | -73.70                    |                          |                           |
| 8th  | 1248.40                  | -84.70                    | 1253.80                  | -87.00                    | 1259.40                  | -88.10                    |                          |                           |
| 9th  | 1404.45                  | -                         | 1410.53                  | -                         | 1416.83                  | -                         |                          |                           |
| 10th | 1560.50                  | -                         | 1567.25                  | -                         | 1574.25                  | -                         |                          |                           |

POWER: L1

|      | Carrier Freq             |                           |                          |                           |                          |                           |                          |                           |
|------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|
|      | 156.050 MHz              |                           | 156.725 MHz              |                           | 157.425 MHz              |                           | MHz                      |                           |
|      | Emission Frequency [MHz] | Spurious Attenuation [dB] | Emission Frequency [MHz] | Spurious Attenuation [dB] | Emission Frequency [MHz] | Spurious Attenuation [dB] | Emission Frequency [MHz] | Spurious Attenuation [dB] |
| 2nd  | 312.10                   | -71.00                    | 313.45                   | -71.80                    | 314.85                   | -73.10                    |                          |                           |
| 3rd  | 468.15                   | -                         | 470.18                   | -69.25                    | 472.28                   | -                         |                          |                           |
| 4th  | 624.20                   | -                         | 626.90                   | -                         | 629.70                   | -                         |                          |                           |
| 5th  | 780.25                   | -                         | 783.63                   | -                         | 787.13                   | -                         |                          |                           |
| 6th  | 936.30                   | -                         | 940.35                   | -                         | 944.55                   | -                         |                          |                           |
| 7th  | 1092.35                  | -83.20                    | 1097.08                  | -83.30                    | 1101.98                  | -79.50                    |                          |                           |
| 8th  | 1248.40                  | -                         | 1253.80                  | -                         | 1259.40                  | -                         |                          |                           |
| 9th  | 1404.45                  | -                         | 1410.53                  | -                         | 1416.83                  | -                         |                          |                           |
| 10th | 1560.50                  | -                         | 1567.25                  | -                         | 1574.25                  | -                         |                          |                           |

## Field Strength of Spurious Radiation (PARAGRAPH 2.2.12)

POWER: HIGH

|      | Carrier Freq             |                           |                          |                           |                          |                           |                          |                           |
|------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|
|      | 156.050 MHz              |                           | 156.725 MHz              |                           | 157.425 MHz              |                           | MHz                      |                           |
|      | Emission Frequency [MHz] | Spurious Attenuation [dB] | Emission Frequency [MHz] | Spurious Attenuation [dB] | Emission Frequency [MHz] | Spurious Attenuation [dB] | Emission Frequency [MHz] | Spurious Attenuation [dB] |
| 2nd  | 312.10                   | -                         | 313.45                   | -                         | 314.85                   | -                         |                          |                           |
| 3rd  | 468.15                   | -                         | 470.18                   | -                         | 472.28                   | -                         |                          |                           |
| 4th  | 624.20                   | -                         | 626.90                   | -                         | 629.70                   | -                         |                          |                           |
| 5th  | 780.25                   | -                         | 783.63                   | -                         | 787.13                   | -                         |                          |                           |
| 6th  | 936.30                   | -                         | 940.35                   | -                         | 944.55                   | -                         |                          |                           |
| 7th  | 1092.35                  | -                         | 1097.08                  | -                         | 1101.98                  | -                         |                          |                           |
| 8th  | 1248.40                  | -                         | 1253.80                  | -                         | 1259.40                  | -                         |                          |                           |
| 9th  | 1404.45                  | -                         | 1410.53                  | -                         | 1416.83                  | -                         |                          |                           |
| 10th | 1560.50                  | -                         | 1567.25                  | -                         | 1574.25                  | -                         |                          |                           |

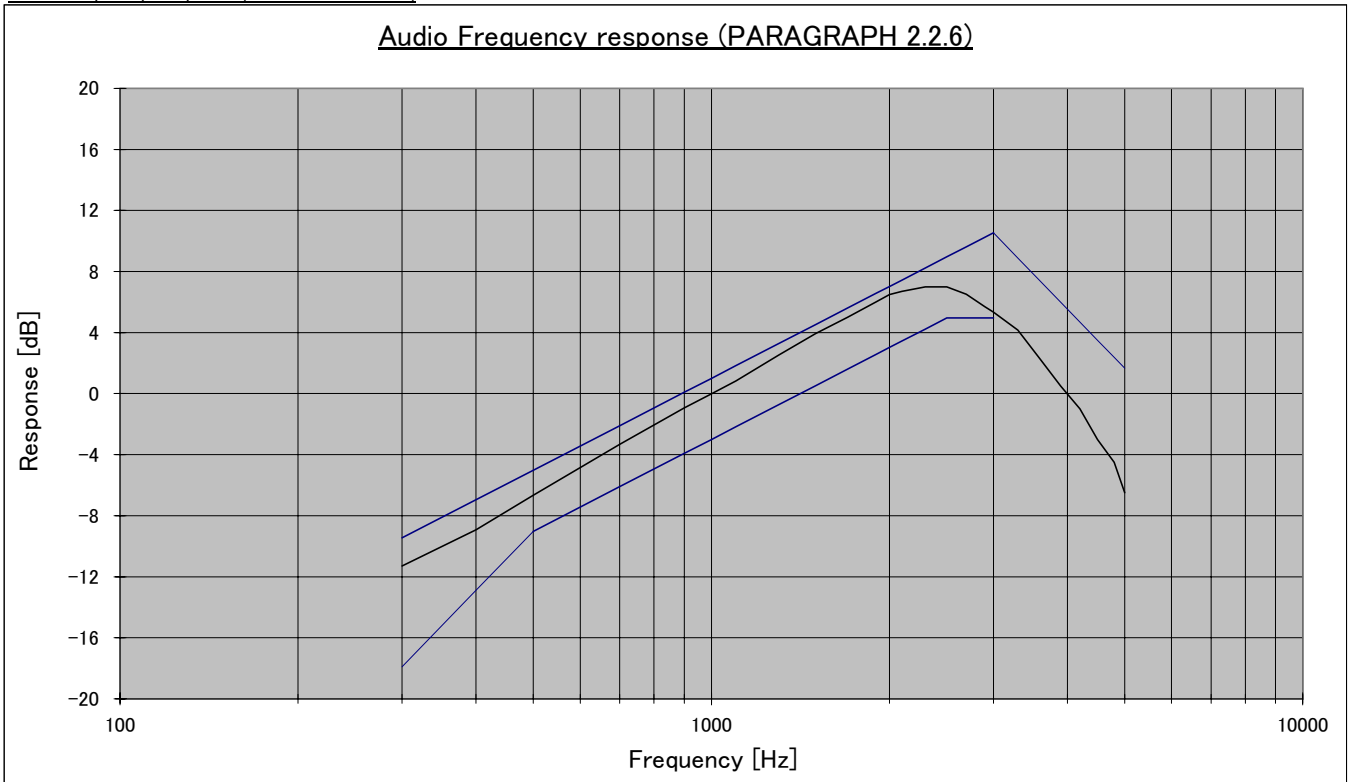
POWER: L1

|      | Carrier Freq             |                           |                          |                           |                          |                           |                          |                           |
|------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|
|      | 156.050 MHz              |                           | 156.725 MHz              |                           | 157.425 MHz              |                           | MHz                      |                           |
|      | Emission Frequency [MHz] | Spurious Attenuation [dB] | Emission Frequency [MHz] | Spurious Attenuation [dB] | Emission Frequency [MHz] | Spurious Attenuation [dB] | Emission Frequency [MHz] | Spurious Attenuation [dB] |
| 2nd  | 312.10                   | -                         | 313.45                   | -                         | 314.85                   | -                         |                          |                           |
| 3rd  | 468.15                   | -                         | 470.18                   | -                         | 472.28                   | -                         |                          |                           |
| 4th  | 624.20                   | -                         | 626.90                   | -                         | 629.70                   | -                         |                          |                           |
| 5th  | 780.25                   | -                         | 783.63                   | -                         | 787.13                   | -                         |                          |                           |
| 6th  | 936.30                   | -                         | 940.35                   | -                         | 944.55                   | -                         |                          |                           |
| 7th  | 1092.35                  | -                         | 1097.08                  | -                         | 1101.98                  | -                         |                          |                           |
| 8th  | 1248.40                  | -                         | 1253.80                  | -                         | 1259.40                  | -                         |                          |                           |
| 9th  | 1404.45                  | -                         | 1410.53                  | -                         | 1416.83                  | -                         |                          |                           |
| 10th | 1560.50                  | -                         | 1567.25                  | -                         | 1574.25                  | -                         |                          |                           |

Model Name :HX460S  
 FCC ID :K66HX460S  
 Serial Number :0K001501

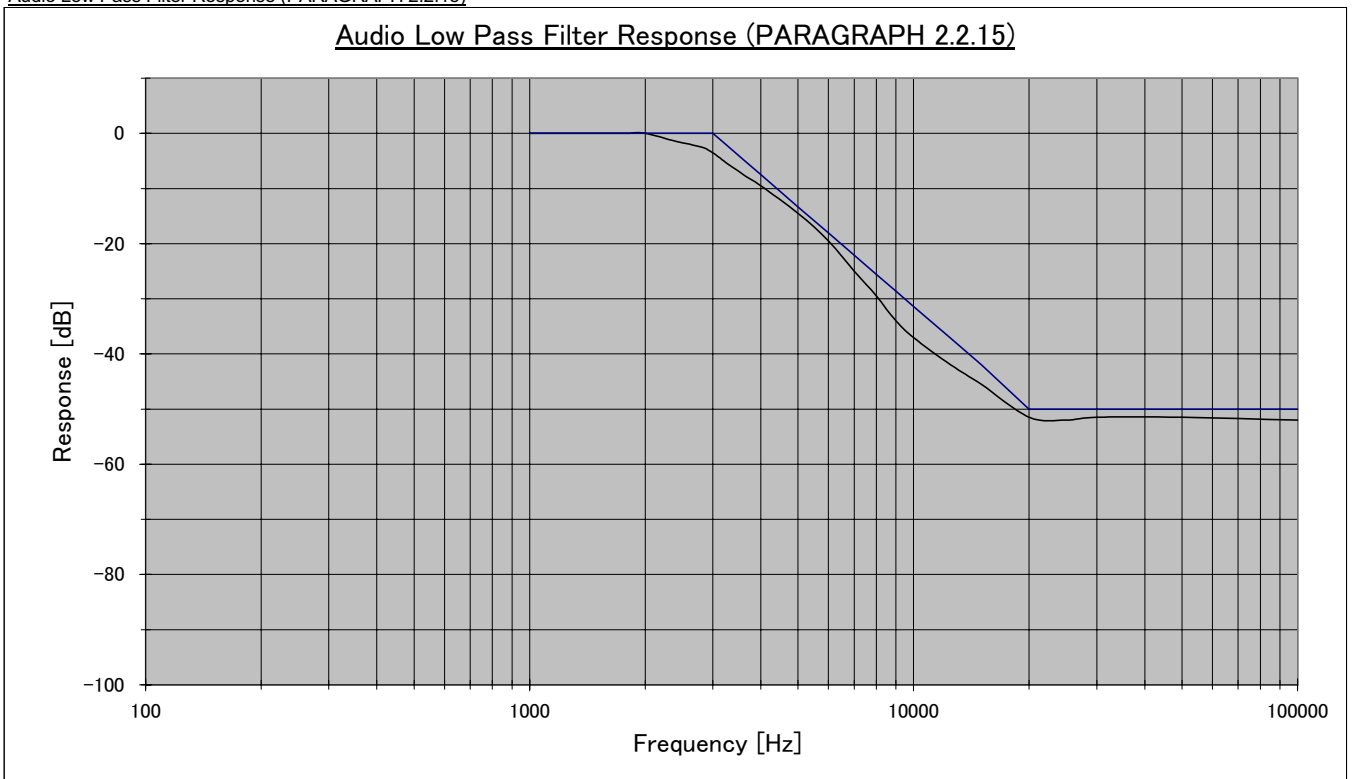
Emission Type :16K0F3E  
 Channel Spacing :25 [kHz]  
 Band Type :USA

Audio Frequency Response (PARAGRAPH 2.2.6)



PEAK AUDIO FREQUENCY : 2500 [Hz]

Audio Low Pass Filter Response (PARAGRAPH 2.2.15)



Model Name :HX460S  
FCC ID :K66HX460S  
Serial Number :0K001501

Emission Type :16K0F3E  
Channel Spacing :25 [kHz]  
Band Type :USA

Modulation Limiting (PARAGRAPH 2.2.3)

0 dB =

11.2 [mV]

25kHz Sep.

