

Question #1: Two documents are requested for confidentiality. There two documents are Block Diagram and Schematic Diagram. However, the information contains in the " Technical Description" are somehow related to the schematic diagram and block diagram. Please revised your request for confidentiality letter to include Technical Description as one of confidential document.

Answer #1: Please find an attached file "Revised Request for confidentiality"

Question #2 The frequency range indicated on the Form 731 is not allowed. In accordance with Part 74.802(c)(1), the frequency selection shall be offset from the upper or lower band limits by 25kHz or an integral multiple thereof. This device will be reviewed as the frequency range from 758.125MHz to 805.875MHz. This frequency range is also agreed with the frequency range indicated on the technical description file.

Answer #2: I agree the frequency range is from 758.125MHz to 805.875MHz

Question #3: Frequency Stability : Page 11 of test report specified the investigated temperature range is from -20 degree C to + 50 degree C. However, the test data indicated the temperature range is from -30 to +50degree C. Please make the necessary correction on page 11. Battery End-point: What is battery end-point of the device?

Answer #3: Please find an attached file of "revised test report page 11" And Battery end-point is 1.9V.

Question #4: Emission designator (110KF3E): please justify the necessary bandwidth by using Carson Rules: $2M+2DK$.

Answer #4: Please let me correct Emission designator to 120KF3E. Also, we change emission designator in Technical Description. Please find an attached file "Revised Technical Description."

Explanation:

Under conditions as below, deviation between highest and lowest frequency that is occupied by 99% of radiated power from the EUT was calculated by using PC.

Input Highest Audio Frequency: 20kHz

Frequency deviation: ± 40 kHz

According to above consideration:

$BW=2M+2DK=120$

where:

M:20 kHz(Highest Modulation Frequency)

DK : ± 40 kHz(Maximum Frequency deviation)

Question #5: Occupied Bandwidth/2.1049 (e)/74.861(e): in accordance with 2.1049 (e), the occupied bandwidth measurement should be carried out on the condition of 85% modulation with 15kHz Input signal. In page 12 of test report, tests were performed with 2.5K tone with 50% modulation. Please provide additional test data to comply this requirements.

Answer #5:

The device, FCC ID:AK8WRT8B, is categorized in "Low power auxiliary stations" which is identified in Part74 Subpart-H. This transmitter is used for production of Motion Picture and Television Program. It is clear that this transmitter is not for Radio station or TV station.

Therefore, the device is not subject to 2.1049(e) "Transmitters for use in the Radio Broadcast Services" as this clause is subject to transmitter for broadcasting.

Regarding to measurement condition of this device, clarification to justify why 2.1049(c) is applied is as below.

1. This device is dedicated to sound transmission, and its principle sound spectrum is from 300 to 3000 Hz. Its center frequency is 2.5kHz
2. There are two types of wireless microphone with or without "limiter" installed. In 2.1049(a) to (i), only (c) and (d) can be applied both type of wireless microphone.

As the device, FCC ID:AK8WRT8B, is equipped with limiter 2.1049(c)(1) is applied as test condition and performed.

Question #6: There is no RF exposure information provided in the user manual. Suggested wordings for this device may be " IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate this device."

Answer #6:Please find an attached file "Revised User Manual".