

Response to Inquiry to FCC (Tracking Number 289477)

Inquiry:

Gentlemen - We are seeking "Permit But Ask" guidance for FCC ID: UQQQT-001. The device is an FM modulator operating under Part 15.239 of the FCC rules. The device has been shown to be compliant to the rules. The test report, operational description, user manual and response to FCC PBA guidelines are attached to this permit but ask request. Thank you for your prompt consideration of this permit but ask request.

Response:

The bandwidth test was not performed in accordance with previous guidance. Please have the test lab remeasure the occupied bandwidth test with a typical audio source playing a typical file (song) and the audio source set to maximum output. Submit a corrected report.

Response of SGS GZ EMC Lab:

Occupied Bandwidth

Test Requirement: FCC Part 15 C

Test Method: Based on FCC Part15 C Section 15.239.
Operation within the band 88MHz – 108MHz

Test Date: 22 Aug 2006(initial test); 16 February 2007(final test)

Requirements: (a) Emissions from the intentional radiator shall be confined within a band 200 kHz wide centered on the operating frequency. The 200 kHz band shall lie wholly within the frequency range of 88-108 MHz.

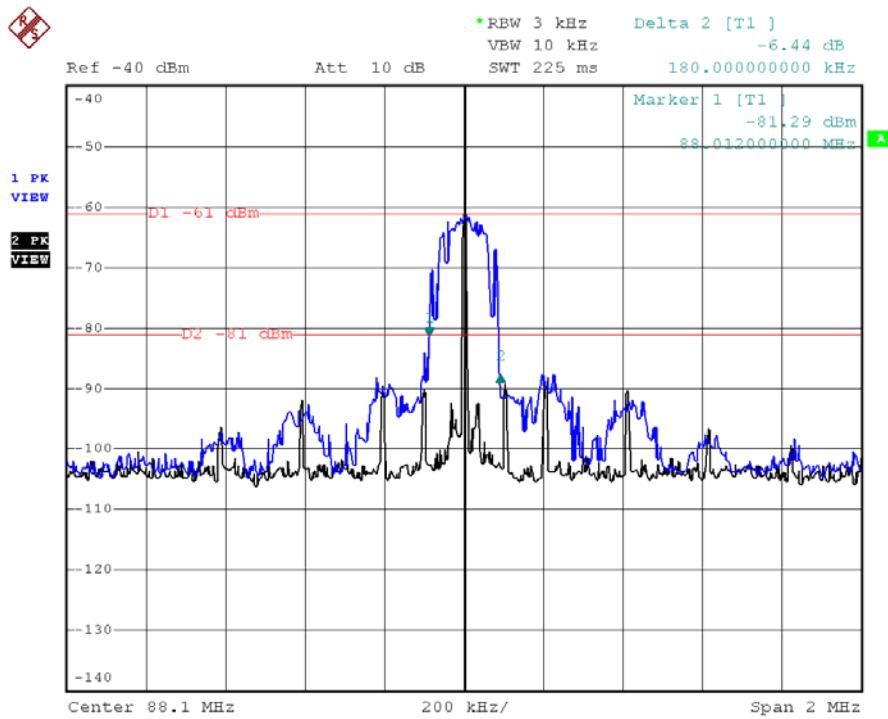
Test procedure:

1. Play typical song as audio input source:
 - (1) Play a typical song as the audio input source, input level as the Max volume of the player, nearly 10mV(r.m.s).
 - (2) Set the RBW=3KHz, VBW=10KHz, Sweep time= Auto for the Spectrum Analyzer setting.
 - (3) Record and report the plot as below:
2. Play Gauss white noise as audio input source:
 - (1) Play the gauss white noise as the audio input source, input level as the Max volume of the player, nearly 10mV(r.m.s).
 - (2) Set the RBW=3KHz, VBW=10KHz, Sweep time= Auto for the Spectrum Analyzer setting.
 - (3) Record and report the plot as below:

1. Play typical song

(1). For lowest Channel: 88.1MHz

The occupied bandwidth as below:



Date: 16.FEB.2007 11:28:58

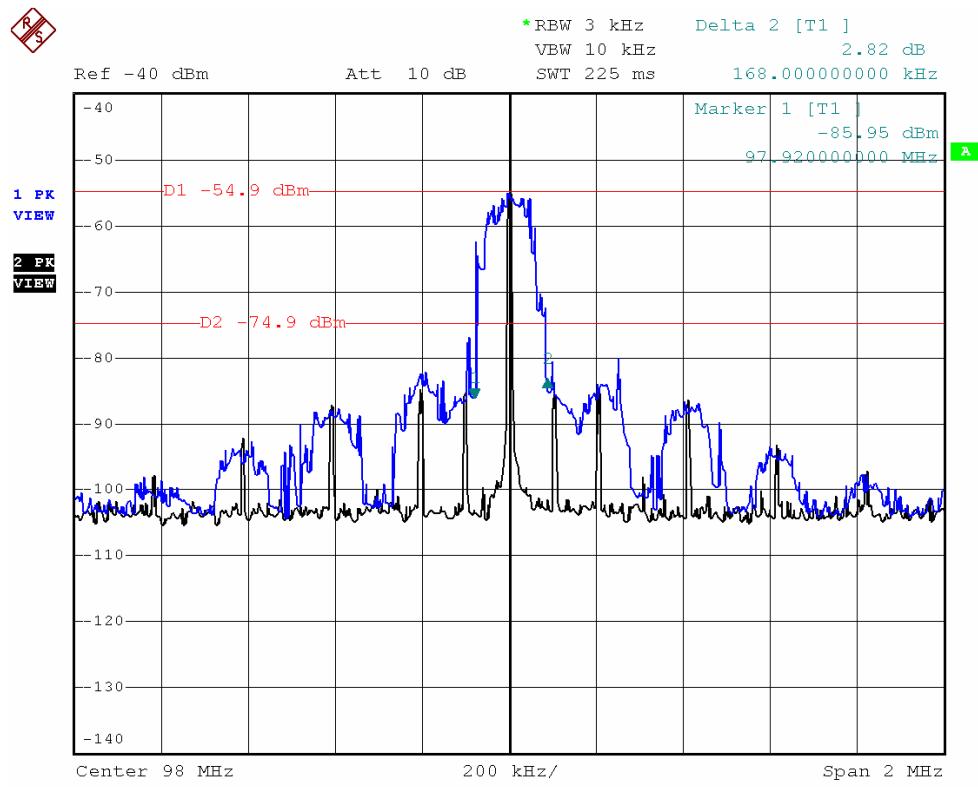
20dB bandwidth of the emission is 180.0 kHz.

Black track: modulated signal.

Blue track: unmodulated carrier.

(2). For middle Channel: 98MHz

The occupied bandwidth as below:



Date: 16.FEB.2007 11:37:38

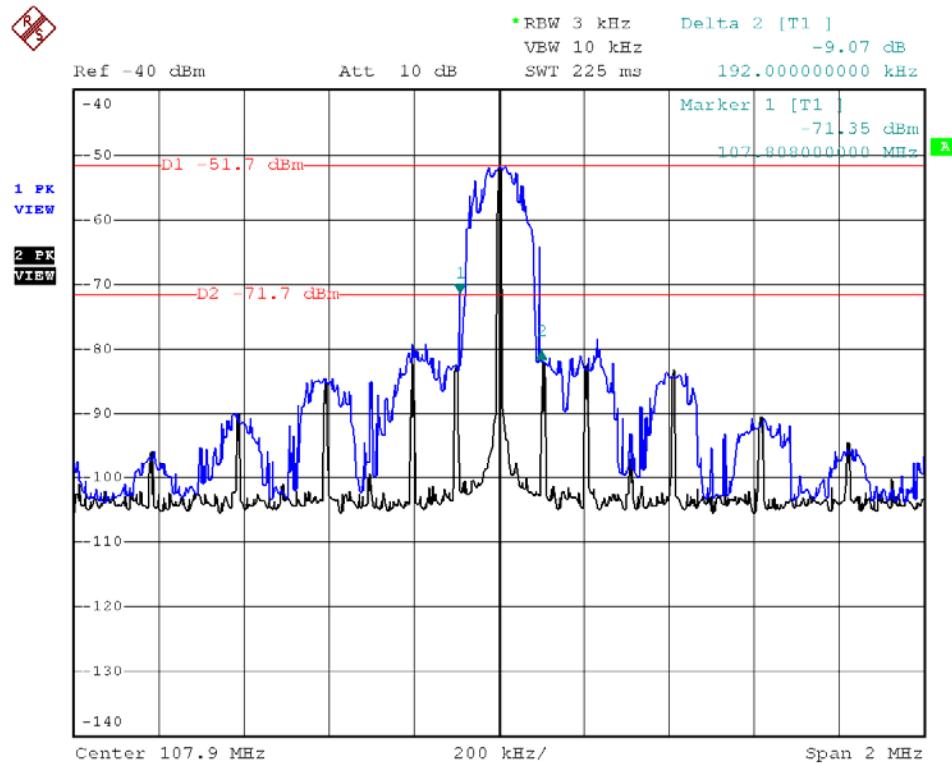
20dB bandwidth of the emission is 168.0 kHz

Black track: modulated signal.

Blue track: unmodulated carrier.

(3). For highest Channel:107.9MHz

The occupied bandwidth as below:



Date: 16.FEB.2007 11:33:59

20dB bandwidth of the emission is 192.0 kHz

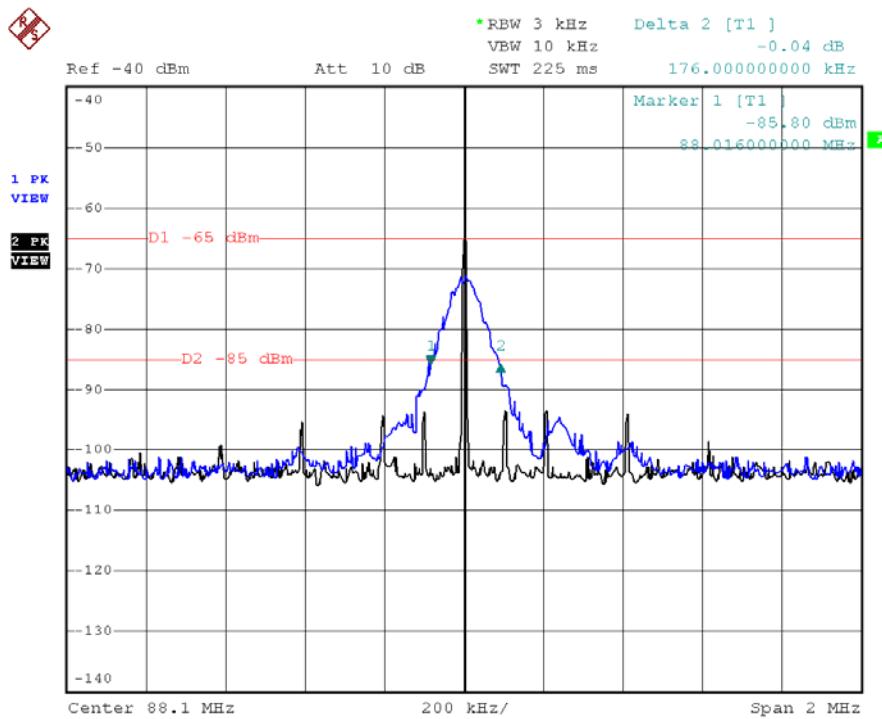
Black track: modulated signal.

Blue track: unmodulated carrier.

1. Play Gauss white noise

(1). For lowest Channel: 88.1 MHz

The occupied bandwidth as below:



Date: 16.FEB.2007 15:16:39

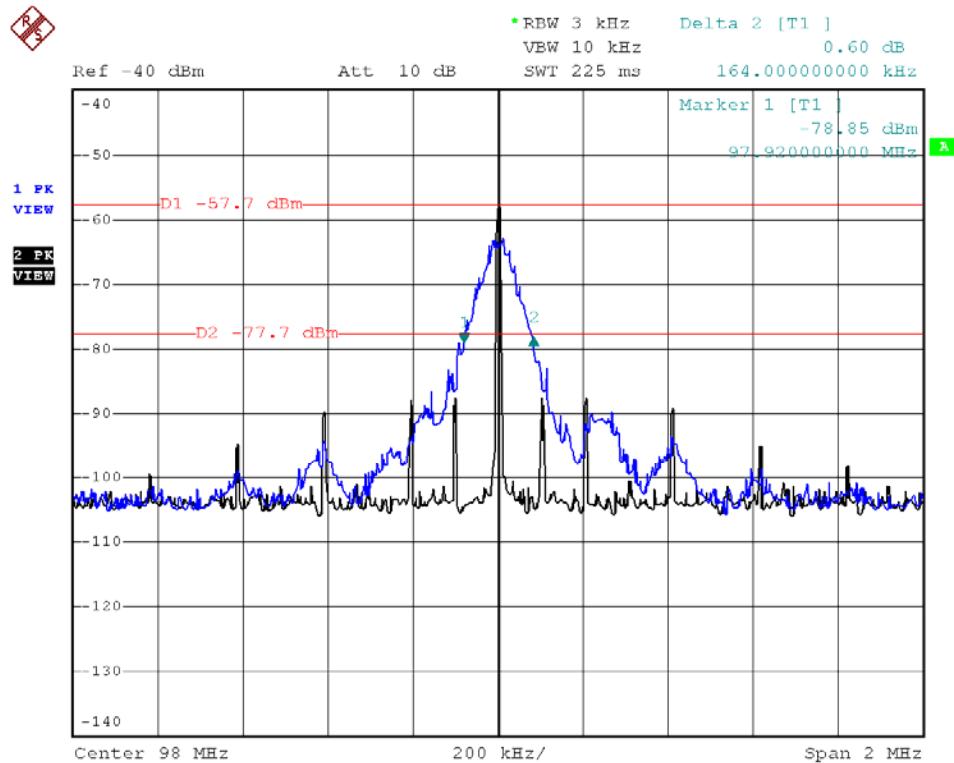
20dB bandwidth of the emission is 176.0 kHz.

Black track: modulated signal.

Blue track: unmodulated carrier.

(2). For middle Channel: 98MHz

The occupied bandwidth as below:



Date: 16.FEB.2007 15:13:28

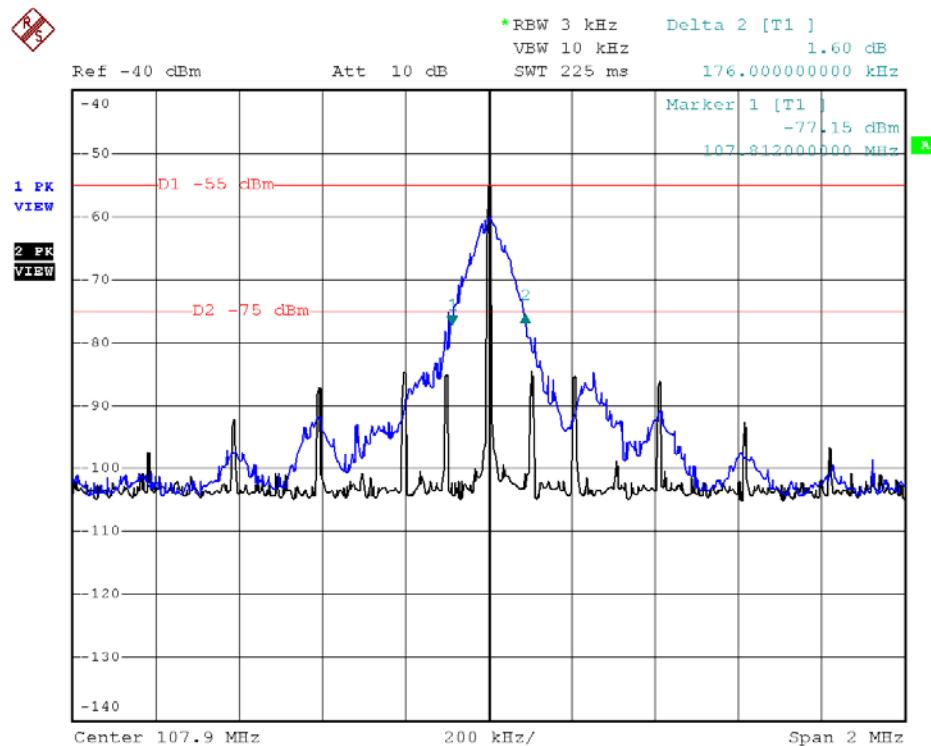
20dB bandwidth of the emission is 164.0 kHz

Black track: modulated signal.

Blue track: unmodulated carrier.

(3). For highest Channel:107.9MHz

The occupied bandwidth as below:



Date: 16.FEB.2007 15:18:59

20dB bandwidth of the emission is 176.0 kHz

Black track: modulated signal.

Blue track: unmodulated carrier.

The results: The unit does meet the FCC requirements.