

MALLOY COMMUNICATIONS

3134 Meadowridge, Corpus Christi,

Texas. 78418-3935

Ph: 361.937.1738//Fax: 361.XXX.XXXX

Federal Communications Commission

Experimental Radio Services

Washington,

DC

11-Feb-03

NOTE: I F. Michael Malloy authorize Mr. John Kennedy of the FCC, to modify my application for an Experimental License to reflect the changes stated in this letter.

Dear Mr. Kennedy:

Many thanks for your help this afternoon about my application for the FCC Experimental License.

Below you will find the addition information you have requested. I hope it meets your specifications as noted on the phone.

TWO YEAR WAIVER

Malloy Communications is requesting a waiver on the recently applied for Experimental License from the traditional 2 year renewal date to a 5 year renewal date. This reasoning is based on the fact that Malloy Communications work with broadbanded antennas are not tied to a university research project. We generate business based on our work with no end in site.

By obtaining a 5 year license, it would free up the amount of paper work on both the FCC's part and Malloy Communications part in-order to remain in compliance. At the end of the 5 year period we would then apply for the renewal.

FREQUENCY BANDWIDTH REQUEST

Frequency range: 2 to 30 Mhz.

PEAK POWER TRANSMISSIONS

Malloy Communications uses one Anritsu S113C antenna analyzer that generate approximately 30mv PEAK ERP, when transmitting down the line to the antenna. The meter is transported to each antenna site. That being said we are requesting that the peak power limitation be placed at 200 watts ERP. This request is predicated upon the fact that sometimes the RF loads (antennas) do not behave the same (not as stable) under power. At some particular point of frequency using the measuring instruments the antenna may read an acceptable VSWR measurement. However, when placed under load of a generator (radio transmitter) the VSWR changes usually in an undesirable direction. With-out the ability to apply transitory power from time to time (10 second CW carrier @ 200 watts ERP) it will be impossible to gain an accurate measurement of how the antenna behaves under actual transmitting conditions.

It should be noted that Malloy Communications has three test ranges available. I would like to amend my application to add the geographic locations for each point. The first location is at the address of the business itself noted in the header of this letter. The second location is at: 630 Copano Cove Rd, Rockport, Tx. 78382. Position: 28 04 04.5N by 97 06 41.6W. The third location is in Mathis, Texas. 100 N. Highway 37, Access Road, Mathis, Texas. Position: 28 09.14 N by 97 50. 92 W, with 0 error in the GPS. All technical parameters for both Mathis and Rockport are the same as the Corpus Christi, Texas location. These measurements are based on NAD 27.

EMISSION MODES & BANDWIDTH (47 CFR: 80.205)

NON

AMMENDMENTS:

1. Malloy Communications builds broadbanded antennas. Most commercial applications require an antenna to tune from 2 to 30 MHz. That is not a reasonable request, but it is what the industry requires. To meet this demand, we build antennas that have broadbanded characteristics, and then feed it through a tuner for frequencies which the antenna is not designed for.
2. The type of measurements will involve using a sweep meter (Anritsu S113C). The sweeping through these frequencies help identify any "spikes" in the VSWR curve. The customer then must provide specific frequencies which he is interested in transmitting on. Even though some will say: 2-30 MHz, and leave it at that. If they do identify specific frequencies, we then put a dead carrier (NON) on that frequency. Please understand, a low power sweep meter (Anritsu S113C) is a just a general indication of how the antenna will behave. At some point, actual RF power must be applied. If there are problems, due to improper grounding, etc, it will show up under load.

3. To insure no interference, only short brief burst (10 seconds or less) of RF (N0N) are used. These type of antennas can be from 15 feet to 100 feet high, and no indoor facility will be used.
4. The duration of the test may be for a day, unless problems are noted, then it can be back to the drawing board.

Your help in this matter is greatly appreciated.

Regards,

Mike Malloy