Exhibit 2
Declarations

DECLARATION OF CARMEN TAWIL

I, Carmen A. Tawil, a Registered Professional Engineer, certify under penalty of perjury that the following is true and correct:

1. Diversified Engineering Communications, Inc. ("DCE") conducted experimental testing of the Northpoint technology in Austin, Texas from December 3, 1998 to December 31, 1998. Saleem Tawil, who is also a Registered Professional Engineer, and I are the principals of DCE as well as the inventors of the patented Northpoint technology. We, along with other investors, formed Northpoint Technology, Ltd. ("Northpoint") which is the entity responsible for marketing the Northpoint technology. In this affidavit, I will refer to Northpoint or the Northpoint testing for clarity and simplicity even though the testing was conducted by DCE under its experimental authorization (WA2XMY, File No. 6001-EX-MR-1998). I am responding to certain statements made by DirecTV in its Comments filed on March 2, 1999 in ET Docket No. 98-206, RM-9245 ("DirecTV Comments").

2. The purpose of the Northpoint testing was to determine whether the Northpoint technology could operate successfully without causing harmful interference in an urban environment where multipathing (*i.e.*, signals reflecting off reflective surfaces) is likely to occur. Prior to beginning the Northpoint testing, Saleem Tawil, P.E., Dr. Darrell Word, P.E., Katherine Reynolds, Sophia Collier and I met in person with representatives from DirecTV, and by phone and e-mail with USSB, to prepare a detailed test plan. DirecTV and USSB made certain suggestions which were implemented into the Northpoint test plan.

3. DirecTV has stated in its comments that they made a good faith effort to support Northpoint's testing. See Technical Annex of DirecTV Comments at 22. DirecTV did not act in good faith during the experimental testing. Although DirecTV initially offered the use of their own equipment to allow for a 24 MHz testing (Northpoint had proposed to modify its own transmitter to conduct testing), DirecTV ultimately informed Northpoint that the equipment it promised was unavailable and requested that Northpoint delay any testing. Northpoint decided to proceed with the testing as scheduled using its own transmitter operating at 8 MHz. Since that time, Northpoint has modified its transmitter and conducted additional testing at 24 MHz. Northpoint will submit those 24 MHz test results to the Commission shortly.

4. DirecTV also promised to provide a variety of test equipment including a spectrum analyzer and equipment necessary to perform Bit Error Rate (BER) testing. DirecTV has yet to provide any of the promised equipment. In fact, when Northpoint located equipment on its own to perform the BER test, DirecTV informed Northpoint that since the equipment was not certified by DirecTV, DirecTV would disregard any of the Northpoint test results. Accordingly, Northpoint was required to devise a method of testing with correlated readings from a signal strength pointer ("ssp") meter.

5. DirecTV stated that harmful interference occurred at 28 out of 29 test sites. DirecTV Comments at 26. DirecTV also stated that its personnel observed the Northpoint transmissions cause harmful interference to DBS signals and cause a total loss of picture on several occasions. Technical Annex of DirecTV Comments at 21. DirecTV personnel, nor anyone else for that matter, has ever witnessed a loss of picture caused by Northpoint while Northpoint was operating at normal operating power. While a DirecTV

person was present, and at a test site close to the transmitter, the operating power was increased by 15 dB (32 times the normal operating power) to demonstrate the operating margin between the Northpoint and DBS signals. This intentional loss of signal was the only time DirecTV personnel witnessed a loss of picture. DirecTV personnel did not witness total loss of DBS picture on several occasions nor did they ever witness any harmful interference to DBS signals when Northpoint was operating at normal power. DirecTV should set forth with specificity when these alleged total loss of pictures occurred or when harmful interference occurred.

6. DirecTV represented that it does not matter if the Northpoint technology causes interference which does not completely eliminate a subscriber's picture because the consequences are no less severe for DBS subscribers. It is well recognized that digital broadcast signals -- unlike analog signals -- are either present or not. Digital signals do not fade over time as DirecTV implies.

7. On page 25 of the Technical Annex of the DirecTV Comments, DirecTV states that "Cases A and B represent data taken with DirecTV present but not reported by Northpoint due to an alleged calibration problem. However, DirecTV could not support such a finding and believes the data to be worthy of consideration." DirecTV is referring to an incident during testing where a rented spectrum analyzer malfunctioned. Upon discovering a defect in the equipment, Northpoint informed DirecTV that some of the readings taken while DirecTV was present must be repeated with a properly functioning spectrum analyzer. To attest to the fact that the original spectrum analyzer was indeed faulty, please see the attached Affidavit from Metric Equipment.

8. On page 19 of the Technical Annex of the DirecTV Comments, DirecTV states that "Northpoint's experimental reports make no mention or measurement of the DBS antenna sidelobe patterns...". This statement is simply not true. The King Ranch Experimental Testing Report details this data on pages 46-59.

9. DirecTV asserts that the field signal meter data was collected by one person reading the signal level meter, performing a mental average of a number of samples. At no time did any Northpoint personnel perform mental averaging. Readings were simply read off the meter and recorded for later analysis as DirecTV had suggested Northpoint do.

10. DirecTV attributes to Northpoint the proposition that it is acceptable to have a signal reading on the signal strength meter of 10. For the record, Northpoint does not take that position. Furthermore, Northpoint has never submitted any documents to the Commission or anywhere else to the contrary.

Carmen A. Tawil

Carmen A.Tawil, P.E.

DECLARATION OF SALEEM TAWIL

I, Saleem Tawil, a Registered Professional Engineer, certify under penalty of perjury that the following is true and correct:

1. Diversified Engineering Communications, Inc. ("DCE") conducted experimental testing of the Northpoint technology in Austin, Texas from December 3, 1998 to December 31, 1998. Carmen Tawil, who is also a Registered Professional Engineer, and I are the principals of DCE as well as the inventors of the patented Northpoint technology. We, along with other investors, formed Northpoint Technology, Ltd. ("Northpoint") which is the entity responsible for marketing the Northpoint technology. In this affidavit, I will refer to Northpoint or the Northpoint testing for clarity and simplicity even though the testing was conducted by DCE under its experimental authorization (WA2XMY, File No. 6001-EX-MR-1998). I am responding to certain statements made by DirecTV in its Comments filed on March 2, 1999 in ET Docket No. 98-206, RM-9245 ("DirecTV Comments").

2. The purpose of the Northpoint testing was to determine whether the Northpoint technology could operate successfully without causing harmful interference in an urban environment where multipathing (*i.e.,* signals reflecting off reflective surfaces) is likely to occur. Prior to beginning the Northpoint testing, Carmen Tawil, P.E., Dr. Darrell Word, P.E., Katherine Reynolds, Sophia Collier and I met in person with representatives from DirecTV, and by phone and e-mail with USSB, to prepare a detailed test plan. DirecTV and USSB made certain suggestions which were implemented into the Northpoint test plan.

3. I was present with the DirecTV personnel during the testing and at no time did we observe Northpoint transmissions cause harmful interference to DBS signals and cause a total loss of picture on several occasions as DirecTV claimed. See Technical Annex of DirecTV Comments at 21. No one present during the testing has ever witnessed a loss of picture caused by Northpoint while Northpoint was operating at normal operating power. While a DirecTV representative was present, and at a test site close to the transmitter, the operating power was increased by 15 dB (32 times the normal operating power) to demonstrate the operating margin between the Northpoint and DBS signals. This intentional loss of signal was the only time DirecTV personnel witnessed a loss of picture. DirecTV personnel did not witness total loss of DBS picture on several occasions nor did they ever witness any harmful interference to DBS signals when Northpoint was operating at normal power. DirecTV should set forth with specificity when these alleged total loss of pictures occurred or when harmful interference occurred.

4. DirecTV suggested that it does not matter if the Northpoint technology causes interference that does not completely eliminate a subscriber's picture because the consequence is no less severe for DBS subscribers. This implies that digital signals fade over time. As a Registered Professional Engineer with over 25 years experience in the communications industry, I can state that digital broadcast signals--unlike analog signals–are either present or not. Digital signals do not fade overtime as DirecTV implies. This is a widely recognized concept.

5. On page 25 of the Technical Annex of the DirecTV Comments, DirecTV states that "Cases A and B represent data taken with DirecTV present but not reported by Northpoint due to an alleged calibration problem. However, DirecTV could not support such a finding and believes the data to be worthy of consideration." DirecTV is referring to an incident during testing where a rented spectrum analyzer malfunctioned. Upon discovering a defect in the equipment, Northpoint informed DirecTV that some of the readings taken while DirecTV was present must be repeated with a properly functioning spectrum analyzer. To attest to the fact that the original spectrum analyzer was indeed faulty, please see the attached Affidavit from Metric Equipment.

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7. DirecTV asserts that the field signal meter data was collected by one person reading the signal level meter, performing a mental average of a number of samples. At no time did any Northpoint personnel perform mental averaging. Readings were simply read off the meter and recorded for later analysis as DirecTV had suggested Northpoint do.

Saleem Tawil, P.E.