

Federal Communications Commission

Washington, DC 20554

International Bureau

José de Jesús Arias Franco **DATE** May 20, 2019

IFT

Av. Insurgentes Sur 1143

Col. Nochebuena, C.P. 03720

Del. Benito Juárez

México City, México

Dear Mr. Arias:

The Commission is in receipt of a proposal to install a Low Power Digital Television/Translator station as follows:

1. Applicant: UNIMAS PARTNERSHIP OF PHOENIX

2. Call Sign: K16FB-D

3. File Number: 0000071966

4. Channel Number: 18

5. Principal Community to be served: Globe, AZ.

6. Proposed Transmitter Location: 33 - 17 – 21.2 NL

110 – 49 – 47.3 WL

7. Effective Radiated Power: 10 kW

Emission Mask: STRINGENT

8. Transmitting Antenna: Directional Antenna: RFS/PEPL-3A

Orientation: 20˚

Polarization: ELLPITICAL

Electrical beam tilt: 2˚

Mechanical tilt: 1˚

Radiation Center Above Ground: 28 meters

Radiation Center Above Mean Sea Level: 2330 meters

9. Average HAAT: 1001 meters

10. Distance to the border: 211.5 km

In view of the proximity of this proposed site to the Mexican-U.S.A. border, your comments are requested.

Sincerely,

Olga Madruga-Forti

Chief, Global Strategy & Negotiation Division

International Bureau

**Directional Antenna Relative Field Values (Pre-rotated Pattern)**

| **Degree** | **VA** | **Degree** | **VA** | **Degree** | **VA** | **Degree** | **VA** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 0.995 | 90 | 0.07 | 180 | 0.01 | 270 | 0.072 |
| 10 | 0.952 | 100 | 0.05 | 190 | 0.01 | 280 | 0.102 |
| 20 | 0.836 | 110 | 0.04 | 200 | 0.01 | 290 | 0.161 |
| 30 | 0.676 | 120 | 0.03 | 210 | 0.015 | 300 | 0.246 |
| 40 | 0.53 | 130 | 0.02 | 220 | 0.015 | 310 | 0.365 |
| 50 | 0.372 | 140 | 0.015 | 230 | 0.02 | 320 | 0.519 |
| 60 | 0.252 | 150 | 0.015 | 240 | 0.025 | 330 | 0.693 |
| 70 | 0.162 | 160 | 0.01 | 250 | 0.035 | 340 | 0.852 |
| 80 | 0.107 | 170 | 0.01 | 260 | 0.055 | 350 | 0.964 |

**Additional Azimuth**

| **Degree** | **VA** |
| --- | --- |
| 359 | 1 |
|  |  |
|  |  |
|  |  |

|  |  | |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |
|  |  |
|  |  |
|  |  |