

From: Murphy, Rodney (FAA)
Sent: Thursday, May 11, 2017 8:13 AM
To: 'Jose Trevino'
Subject: RE: SES-DBM-20170428-00490, call-sign: E969343

Please make both fields 56.6 dBW.

The FAA has been submitting the bandwidth and power as a range (min and max), and what you are seeing is the latter.

Rodney Murphy
 Federal Aviation Administration
 Spectrum Engineering and Policy
 Fixed/Land Mobile,UAS, Satellite, Experimentals
 FAA FAS Representative
 202-267-9501

From: Jose Trevino
Sent: Monday, May 08, 2017 11:38 AM
To: 'rodney.murphy@faa.gov' <rodney.murphy@faa.gov>
Subject: SES-DBM-20170428-00490, call-sign: E969343

Hi Rodney,

My name is Jose Trevino (FCC engineer). I'm working on one of your earth station application, file number: SES-DBM-20170428-00490, call-sign: E969343. There is a minor error on the application form 312.

Under item "E40 = 56.6 dBW (Total EIRP for all carriers)" needs to be greater than "E49 = 57 dBW/4Hz (Maximum ERIP Density per Carrier)." With your permission, Could I change item E40 to 57 dBW and item E49 to 56.6 dBW/4kHz for it to work? Once I have this done, I can placed it on Public Notice.

| E28. Antenna Id | E33/34. Diameter Minor/Major (meters) | E35. Above Ground Level (meters) | E36. Above Sea Level(meters) | E37. Building Height Above Ground Level (meters) | E38. Total Input Power at antenna flange (Watts) | E39. Maximum Antenna Height Above Rooftop (meters) | E40. Total EIRP for al carriers(dBW) |
|-----------------|---------------------------------------|----------------------------------|------------------------------|--------------------------------------------------|--------------------------------------------------|----------------------------------------------------|--------------------------------------|
| MDO | 0.0/0.0 | 3.66 | 34.14 | 0.0 | 9.77 | 0.0 | 56.6 |

FREQUENCY

| E28. Antenna Id | E43/44. Frequency Bands (MHz) | E45. T/R Mode | E46. Antenna Polarization(H,V, L,R) | E47. Emission Designator | E48. Maximum EIRP per Carrier (dBW) | E49. Maximum ERIP Density per Carrier (dBW/4kHz) |
|-----------------|-------------------------------|------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------------------------------|
| MDO | 3700 4200 | R | Horizontal and Vertical | 412KG7W | 0.0 | 0.0 |

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

QPSK

| | | | | | | | |
|-----|------|------|---|-------------------------|---------|------|------|
| MDO | 5925 | 6425 | T | Horizontal and Vertical | 412KG7W | 57.0 | 33.0 |
|-----|------|------|---|-------------------------|---------|------|------|

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

QPSK

| | | | | | | | |
|-----|------|------|---|-------------------------|---------|------|------|
| MDO | 5925 | 6425 | T | Horizontal and Vertical | 915KG7W | 57.0 | 33.0 |
|-----|------|------|---|-------------------------|---------|------|------|