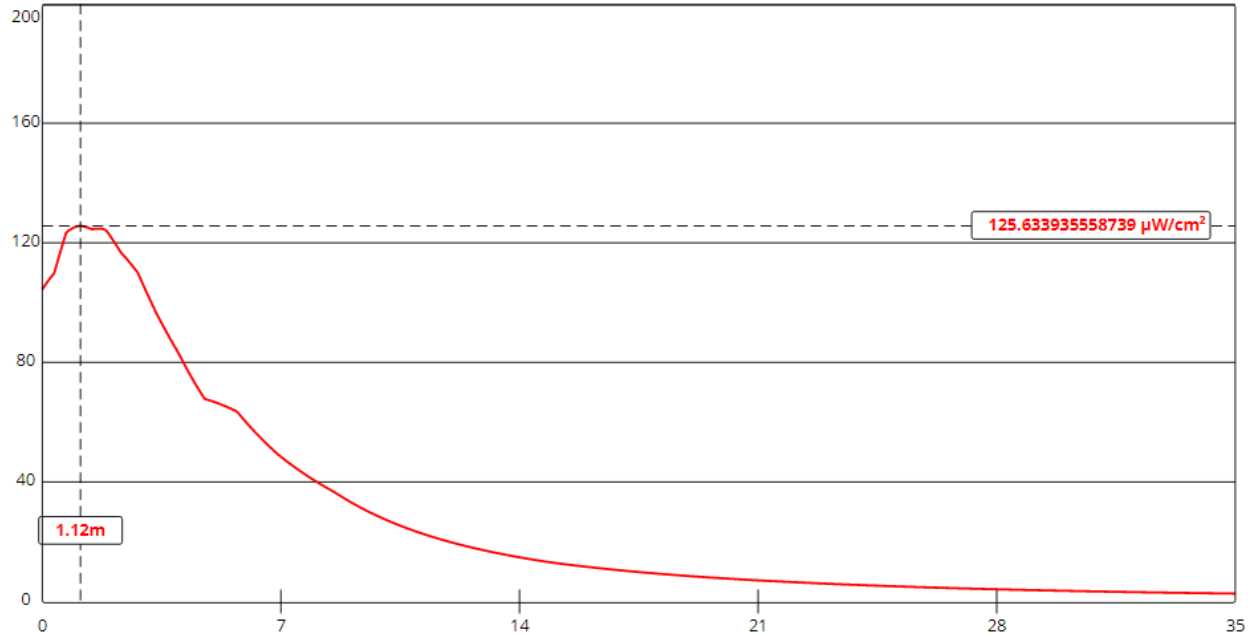


Power Density VS Distance
Engineering STA KZUL-FM, Lake Havasu City, AZ FAC# 39562
September 17, 2022



[View Tabular Results +](#)

| | | | |
|-------------------|--|--------------------------------------|---------------------------------|
| Channel Selection | Channel 283 (104.5 MHz) ▼ | | |
| Antenna Type + | EPA Type 1: Ring-and-Stub or "Other" ▼ | | |
| Height (m) | <input type="text" value="6"/> | Distance (m) | <input type="text" value="35"/> |
| ERP-H (W) | <input type="text" value="50"/> | ERP-V (W) | <input type="text" value="50"/> |
| Num of Elements | <input type="text" value="1"/> | λ | <input type="text" value="1"/> |
| Num of Points | <input type="text" value="500"/> | <input type="button" value="Apply"/> | |

USING A SINGLE ELEMENT, PROGRESSIVE CONCEPTS PCP, EPA TYPE 1 ANTENNA, FM MODEL PREDICTS A MAXIMUM POWER DENSITY OF 125.5 MICROWATTS PER SQUARE CENTIMETER AT A DISTANCE OF 1.12 METERS FROM THE TOWER. THIS REPRESENTS 62.8% OF THE 200 MICROWATS PER SQUARE CM LIMIT FOR GENERAL POPULATION EXPOSURE; HENCE, THIS APPLICATION IS COMPLIANT WITH THE GUIDELINES FOR HUMAN EXPOSURE AS SPECIFIED IN OET BULLETIN NO. 65, EDITION 97-01, AUGUST 1997. PLEASE REFER TO THE ATTACHED POWER DENSITY VS DISTANCE GRAPH. FURTHERMORE, THE FACILITY IS ON THE REMOTE CROSSMAN PEAK COMMUNICATIONS SITE THAT IS NOT ACCESSIBLE TO THE GENERAL PUBL. ADEQUATE WARNING SIGNS ARE POSTED.