

**Exhibit 11 Page 1**  
**Sovereign Grace Bible Church**  
**Identification of Facilities**  
**Worland, Wyoming**

Search of channel 279 (103.7 MHz Class LP100) at 44-02-12.0 N, 107-56-50.0 W

<b>CALL</b>	<b>CITY</b>	<b>ST</b>	<b>CHN</b>	<b>CL</b>	<b>DIST</b>	<b>SEP</b>	<b>BRNG</b>	<b>CLEARANCE</b>
<b>KBEN-FM</b>	COWLEY	WY	277	C0	91.42	84.00	210.8	7.4
<b>KCGL</b>	Powell	WY	281	C	108.90	93.00	298.4	15.9

**Exhibit 11 Page 2**  
**Sovereign Grace Bible Church**  
**Height Above Average Terrain Calculation**  
**Worland, Wyoming**

**Antenna Height Above Average Terrain Calculations -- Input**

Latitude **44 2 12.0 North**  
Longitude **107 56 50.0 West** (NAD 27)

Height of antenna radiation center above mean sea level [RCAMSL] = **1266.0** meters

Number of Evenly Spaced Radials = 8      0° is referenced to True North

**Results:**

**Calculated HAAT= -28. meters**

(Antenna Height Above Average Terrain)  
using the 30 second FCC/NGDC terrain data)

**Antenna Radiation Center Heights Above Individual Radials:**

0.0°	23.5 meters
45.0°	-37.7 meters
90.0°	-65.6 meters
135.0°	-49.0 meters
180.0°	-10.8 meters
225.0°	-23.6 meters
270.0°	-30.6 meters
315.0°	-33.3 meters

**[New Antenna Height Above Average Terrain \(HAAT\) calculation?](#)**

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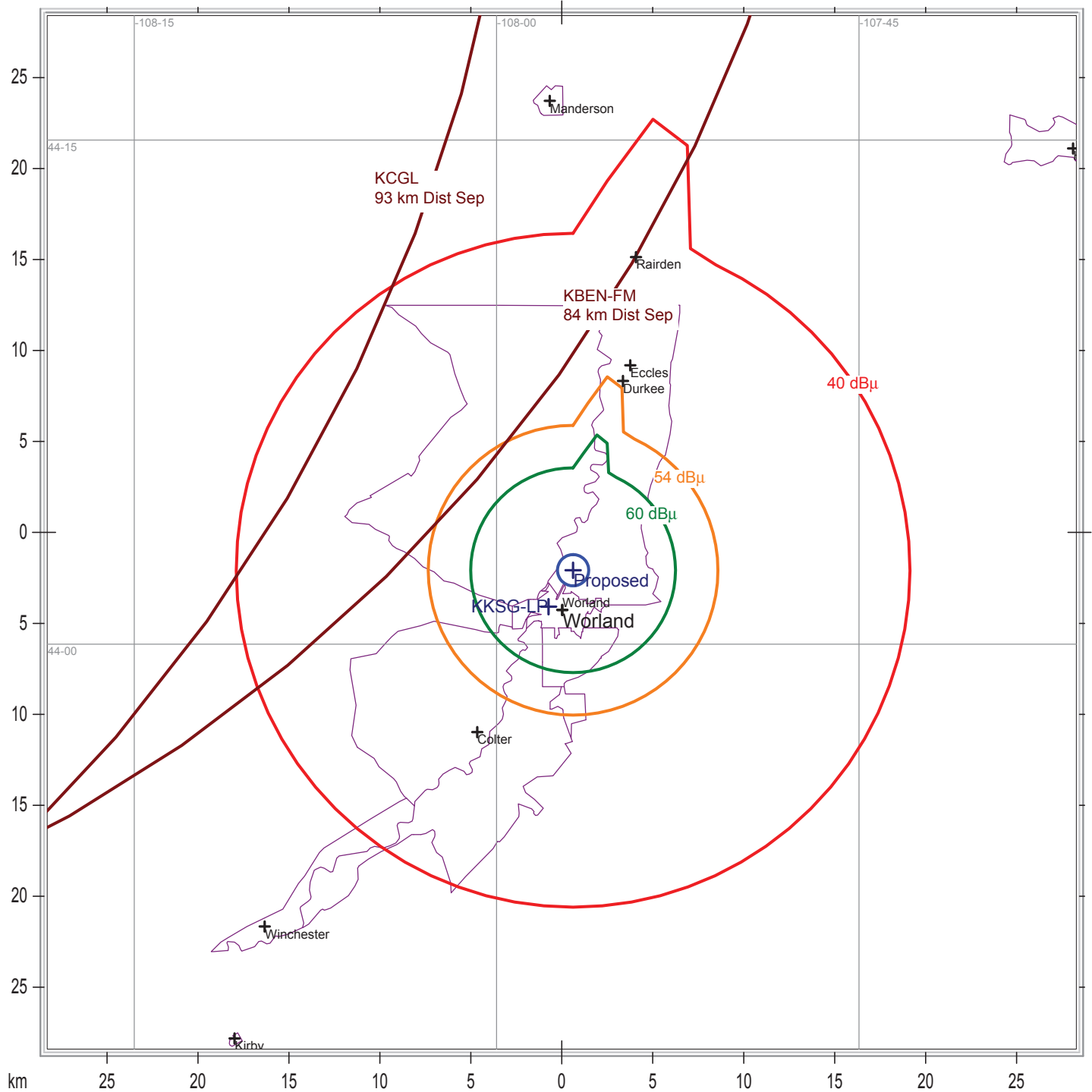
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Federal Communications Commission  
445 12th Street SW  
Washington, DC 20554  
[More FCC Contact Information...](#)

Phone: 1-888-CALL-FCC (1-888-225-5322)  
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# Allocation Study



**Exhibit 11 Figure 1**  
**Sovereign Grace Bible Church**  
**Allocation Study**  
**Worland, Wyoming**

State Borders City Borders Lat/Lon Grid