

**Section III - Engineering****TECHNICAL SPECIFICATIONS Ponce Site (#1)**

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

**TECH BOX**

1. Channel <u>7</u>			
2. Operating Constants			
Transmitter power output (average power at input to transmission line, after any filter attached to the transmitter, if used)		Transmission line power loss	
2.28 kW		3.6 dBk	
		0.4 dB	
Antenna Input power	Maximum antenna power gain	Effective radiated power (average power)	
3.2 dBk	10.8 dB	25 kW	
		14.0 dBk	
3. Antenna Data			
Manufacturer		Model	
Dielectric		THB-C2-3H/6HD-1 DC	

**NOTE:** In addition to the information called for in the Certification Checklist, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

**CERTIFICATION**

4. **Main Studio Location.** The main studio location complies with 47 C.F.R. Section 73.1125. ☒ Yes ☐ No See Explanation in Exhibit No.
5. **Constructed Facility.** The facility was constructed as authorized in the underlying construction permit or complies with 47 C.F.R. Section 73.1690. ☒ Yes ☐ No See Explanation in Exhibit No.
6. **Special Operating Conditions.** The facility was constructed in compliance with all special operating conditions, terms, and obligations described in the construction permit. ☒ Yes ☐ No See Explanation in Exhibit No.
- Exhibit No.
- An exhibit may be required.** Review the underlying construction permit.
7. **Transmitter.** The transmitter complies with 47 C.F.R. Section 73.1660. ☒ Yes ☐ No See Explanation in Exhibit No.

**PREPARER'S CERTIFICATION ON PAGE 6 MUST BE COMPLETED AND SIGNED.**

**Section III - Engineering****TECHNICAL SPECIFICATIONS** Aguas Buenas (San Juan) Site (#2)

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

**TECH BOX**

1. Channel <u>7</u>			
2. Operating Constants			
Transmitter power output (average power at input to transmission line, after any filter attached to the transmitter, if used)		Transmission line power loss	
2.44 kW		3.9 dBk	
0.4 dB			
Antenna Input power	Maximum antenna power gain	Effective radiated power (average power)	
3.5 dBk	10.5 dB	25 kW	
		14.0 dBk	
3. Antenna Data			
Manufacturer		Model	
Alan Dick		T7C10.2SH50C	

**NOTE:** In addition to the information called for in the Certification Checklist, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

**CERTIFICATION**

4. <b>Main Studio Location.</b>	The main studio location complies with 47 C.F.R. Section 73.1125.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Explanation in Exhibit No.
5. <b>Constructed Facility.</b>	The facility was constructed as authorized in the underlying construction permit or complies with 47 C.F.R. Section 73.1690.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Explanation in Exhibit No.
6. <b>Special Operating Conditions.</b>	The facility was constructed in compliance with all special operating conditions, terms, and obligations described in the construction permit.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Explanation in Exhibit No.
			Exhibit No.
An exhibit may be required. Review the underlying construction permit.			
7. <b>Transmitter.</b>	The transmitter complies with 47 C.F.R. Section 73.1660.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Explanation in Exhibit No.

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**Section III - Engineering****TECHNICAL SPECIFICATIONS** Aguada (Mayaguez) Site (#3)

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

**TECH BOX**

1. Channel <u>7</u>			
2. Operating Constants			
Transmitter power output (average power at input to transmission line, after any filter attached to the transmitter, if used)		Transmission line power loss	
1.81 kW		2.6 dBk	
1.1 dB			
Antenna Input power	Maximum antenna power gain	Effective radiated power (average power)	
1.5 dBk	6.3 dB	6.0 kW	
		7.8 dBk	
3. Antenna Data			
Manufacturer		Model	
Alan Dick		T7C4.2SH2P	

**NOTE:** In addition to the information called for in the Certification Checklist, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

**CERTIFICATION**

4. **Main Studio Location.** The main studio location complies with 47 C.F.R. Section 73.1125. ☒ Yes ☐ No See Explanation in Exhibit No.
5. **Constructed Facility.** The facility was constructed as authorized in the underlying construction permit or complies with 47 C.F.R. Section 73.1690. ☒ Yes ☐ No See Explanation in Exhibit No.
6. **Special Operating Conditions.** The facility was constructed in compliance with all special operating conditions, terms, and obligations described in the construction permit. ☒ Yes ☐ No See Explanation in Exhibit No.
- Exhibit No.
- An exhibit may be required.** Review the underlying construction permit.
7. **Transmitter.** The transmitter complies with 47 C.F.R. Section 73.1660. ☒ Yes ☐ No See Explanation in Exhibit No.

**PREPARER'S CERTIFICATION ON PAGE 6 MUST BE COMPLETED AND SIGNED.**

**Section III - Engineering****TECHNICAL SPECIFICATIONS** Arecibo Site (#4)

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

**TECH BOX**

1. Channel <u>7</u>			
2. Operating Constants			
Transmitter power output (average power at input to transmission line, after any filter attached to the transmitter, if used)		Transmission line power loss	
0.0248 kW		-16.05 dBk	
		2.55 dB	
Antenna Input power	Maximum antenna power gain	Effective radiated power (average power)	
-18.6 dBk	8.6 dB	0.10 kW	
		-10.0 dBk	
3. Antenna Data			
Manufacturer		Model	
Alan Dick		T7H1.3MS2S	

**NOTE:** In addition to the information called for in the Certification Checklist, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

**CERTIFICATION**

4. **Main Studio Location.** The main studio location complies with 47 C.F.R. Section 73.1125. ☒ Yes ☐ No See Explanation in Exhibit No.
5. **Constructed Facility.** The facility was constructed as authorized in the underlying construction permit or complies with 47 C.F.R. Section 73.1690. ☒ Yes ☐ No See Explanation in Exhibit No.
6. **Special Operating Conditions.** The facility was constructed in compliance with all special operating conditions, terms, and obligations described in the construction permit. ☒ Yes ☐ No See Explanation in Exhibit No.
- Exhibit No.
- An exhibit may be required.** Review the underlying construction permit.
7. **Transmitter.** The transmitter complies with 47 C.F.R. Section 73.1660. ☒ Yes ☐ No See Explanation in Exhibit No.

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