

Dale Bickel

From: Dale Bickel
Sent: Thursday, December 21, 2017 12:54 PM
To: WOVV/Ocracoke Community Radio
Subject: RE: WOVV (FM) Facility ID 173549 end STA

Perfect! I'll get a corrected license out in the mail today. Thanks! Dale

From: wovvfm@gmail.com [mailto:wovvfm@gmail.com] **On Behalf Of** WOVV/Ocracoke Community Radio
Sent: Wednesday, December 20, 2017 8:41 AM
To: Dale Bickel <Dale.Bickel@fcc.gov>
Subject: Re: WOVV (FM) Facility ID 173549 end STA

Hi again Dale: Clayton is out of the office, but asked me to respond to your last email. I have attached the new data sheet as requested. Whatever is the "simplest and fastest" way to correct this is greatly appreciated by WOVV. Our thanks to you and keep us posted. Debbie Wells

On Mon, Dec 18, 2017 at 1:29 PM, Dale Bickel <Dale.Bickel@fcc.gov> wrote:

Thanks for the clarification! A couple of things:

The 2010 license contained a "System Data Sheet" that showed the TPO needed was 340 watts to achieve the 0.65 kW ERP. So if the TPO needed is 0.324 kW now, then it sounds to me like the transmission line is different (perhaps longer, or different line loss).

And inconsistently, the 2010 license application showed 340 watts TPO in the datasheet, and 1 kW in the body of the license application. I'm sure the 1 kW was an error that never got caught, and it was carried over to the license.

I think the simplest and fastest way to correct this would be for me to reissue the 2010 license with the correct and current TPO. Would you happen to have a new data sheet from SWR for the new installation that shows the new TPO?

Thanks, Dale Bickel dale.bickel@fcc.gov

From: wovvfm@gmail.com [mailto:wovvfm@gmail.com] **On Behalf Of** WOVV/Ocracoke Community Radio
Sent: Thursday, December 14, 2017 10:31 PM

To: Dale Bickel <Dale.Bickel@fcc.gov>

Subject: Re: WOVV (FM) Facility ID 173549 end STA

Mr. Bickel:

Thanks for your prompt reply. Based on that, I add the following confirming details to our notification:

The new tower is sited on the footprint of the old, incorporating up-to-date construction standards for our location.

We are operating with our original transmitter, which sustained no damage from the storm.

The new antenna is of the same manufacturer and model as the old (Systems With Reliability, LP (SWR), model FMEC/2-DA), mounted at the same height AGL. Working in cooperation with tower manufacturer Rohn, SWR fabricated the new antenna to conform to the original licensed directional azimuth pattern, when mounted as specified on the new tower. The antenna and a new feed line were mounted on the new tower at the time of tower construction. Per the new SWR pattern certification system data sheet, we will operate with 324 watts TPO to the feed line to achieve the licensed 650 watts ERP.

Listener reports indicate that the outer limits of WOVV's signal coverage have returned to what they were before the disaster.

In sum, we feel that we have replicated the damaged facilities and have returned to full operation in conformance with our broadcasting license.

Thanks again for your assistance.

Clayton Gaskill

for/ Ocracoke Community Radio, WOVV

On Mon, Dec 11, 2017 at 1:49 PM, Dale Bickel <Dale.Bickel@fcc.gov> wrote:

If everything is the same as licensed (coordinates, tower height, directional antenna manufacturer and model, and antenna pattern, and transmitter power output (TPO), then this e-mail is sufficient. If something has changed, then we may need some other filing. But let's start here. Let me know.

Dale Bickel dale.bickel@fcc.gov

From: wovvfm@gmail.com [mailto:wovvfm@gmail.com] **On Behalf Of** WOVV/Ocracoke Community Radio
Sent: Friday, December 08, 2017 11:15 AM
To: Dale Bickel <Dale.Bickel@fcc.gov>
Subject: WOVV (FM) Facility ID 173549 end STA

FROM: Ocracoke Community Radio - WOVV (FM) Facility ID 173549

RE: Special Temporary Authority BSTA-20161114AAF

Mr. Bickel:

WOVV has been broadcasting under the above-referenced (and extended) STA since its issue, after our broadcasting antenna and tower were destroyed by Hurricane Matthew on October 9, 2016.

In November, 2017, we constructed a new tower and installed a new directional FM broadcasting antenna matched to that tower. The new facility is designed to replicate and replace the old, constructed and installed under our original Construction Permit, BLED-20101025AAS, and is to be operated as such.

Tower/antenna construction was completed and WOVV began broadcasting from the new facility on November 16, 2017.

We need some guidance regarding required FCC filings at this point. You can contact us via email reply, or by phone (my mobile number, below, would be best).

Ocracoke Community Radio appreciates the support from the FCC that has enabled WOVV to continue serving our community despite trying times.

Clayton Gaskill

for/ Ocracoke Community Radio, WOVV

252-928-9688 (office)

252-256-6100 (my mobile)



SYSTEMS WITH RELIABILITY, LP

BROADCAST ANTENNAS AND TRANSMISSION LINE

SYSTEM DATA SHEET

Customer	WOV
Contact	Clayton Gaskill
Location	Ocracoke, NC
Antenna Model	FMEC/2-DA
Channel / Frequency	211A / 90.1 MHz

ELECTRICAL SPECIFICATIONS

Antenna Specifications:

	H-POL			V. Pol.	
		dB			dB
License ERP (KW)	0.650			0.650	
FCC Limit Pattern Directivity	1.677	2.246	dB	1.677	2.246 dB
Elevation Directivity	1.918	2.828	dB	1.918	2.828 dB
Azimuth Directivity	2.828	4.515	dB	1.948	2.896 dB
Composite Pattern	1.918	2.829	dB	1.918	2.829 dB
Polarization Ratio	0.408			0.592	
RMS Comp./RMS Limit	93.5 %				
Antenna Efficiency %	100			100	
Power Ratio (Pol. Ratio X Efficiency)	0.4079			0.5921	
Antenna Gain	2.213	3.449	dB	2.213	3.449 dB

Antenna Input Power (KW)	0.294 kW	-5.320 (dBK)
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Feed Line Specifications:

Line Type: RFS	7/8" Foam 50 Ω LCF78-50JA
Attenuation Per 100 ft (dB)	0.33 dB
Line Length (ft) AGL + Horizontal Run	130.00 ft.
Total Line Attenuation (dB)	0.4290 dB
Line Efficiency	90.59 %
Power Input to the Line (KW)	0.324 kW
	-4.891 (dBK)

MECHANICAL SPECIFICATIONS

No. Of Bays	2		
Antenna Aperture	10.92	ft.	3.33 meter
Center of Radiation AGL	62.34	ft.	19.00 meter
Antenna Weight (Everything)	100.00	lbs.	45.45 kg
Windload (50/33) (Antenna + Mount)	210.00	lbs.	6.00 ft^2
			Windload CaAc

Prepared by:

Kevin W. Rager
SWR, LP ENGINEERING