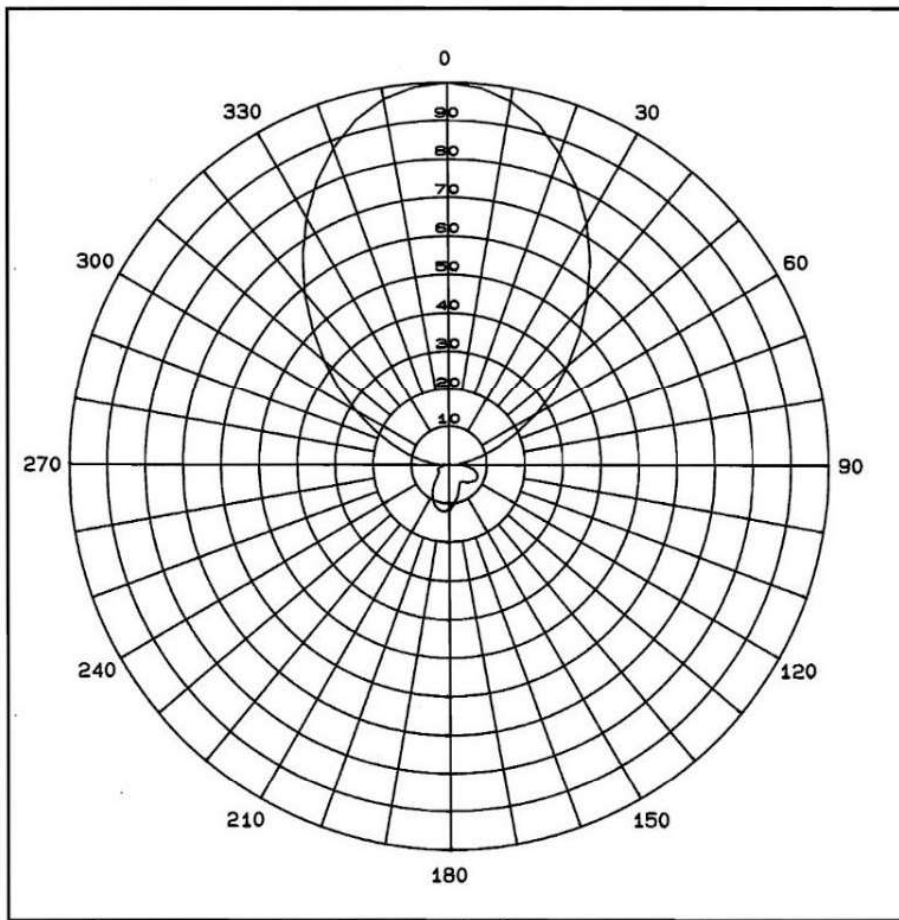
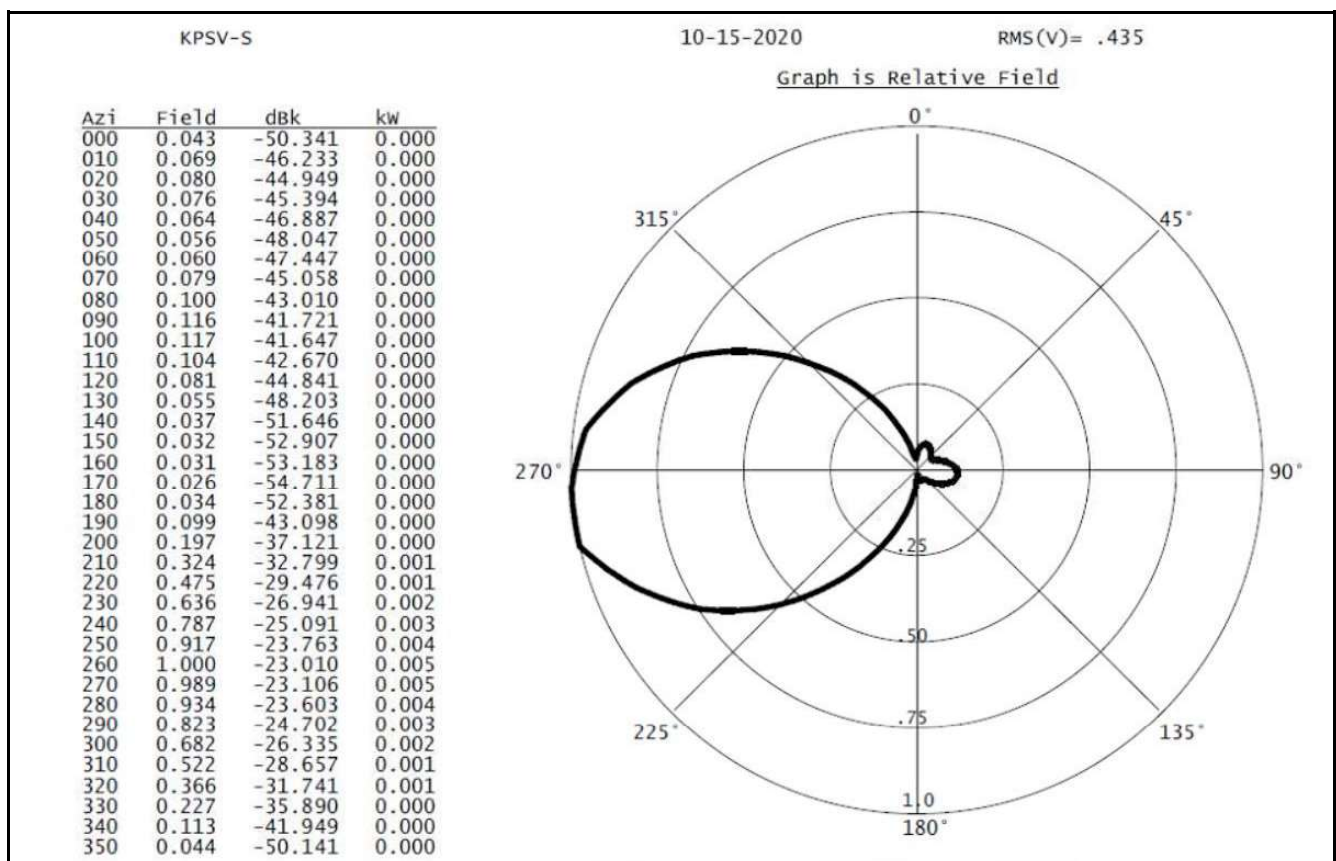


## Measured Field Values – Samco SAM-137

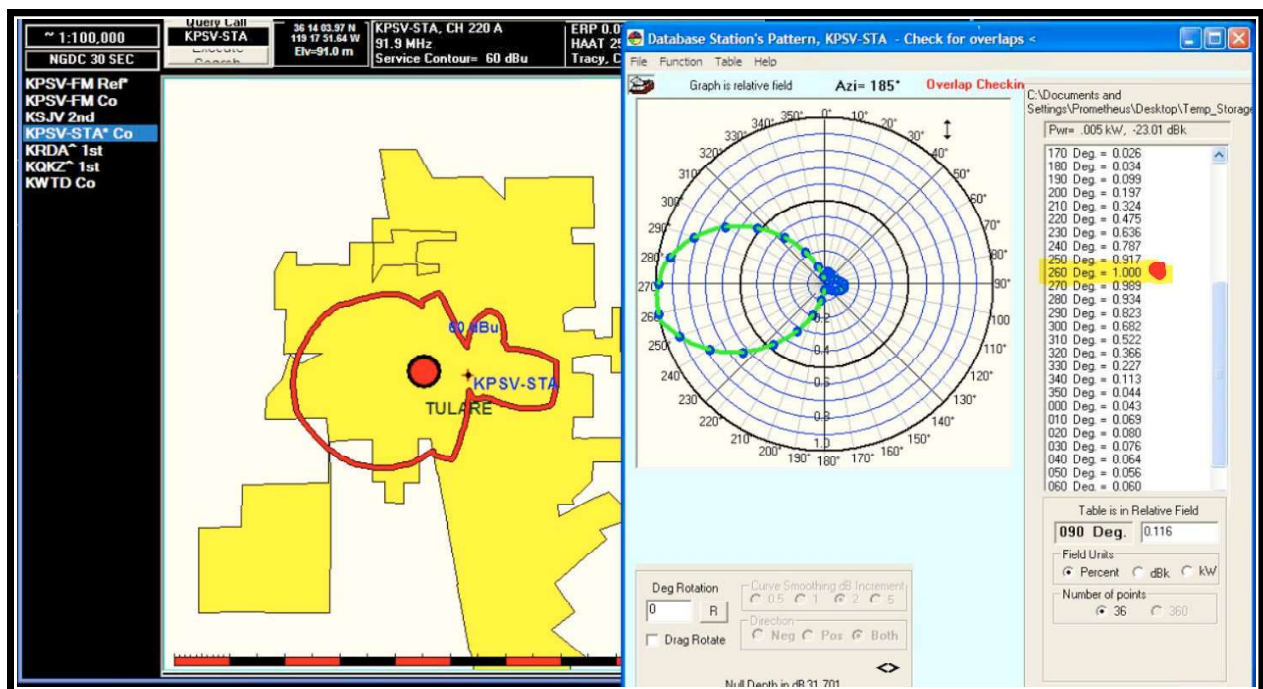
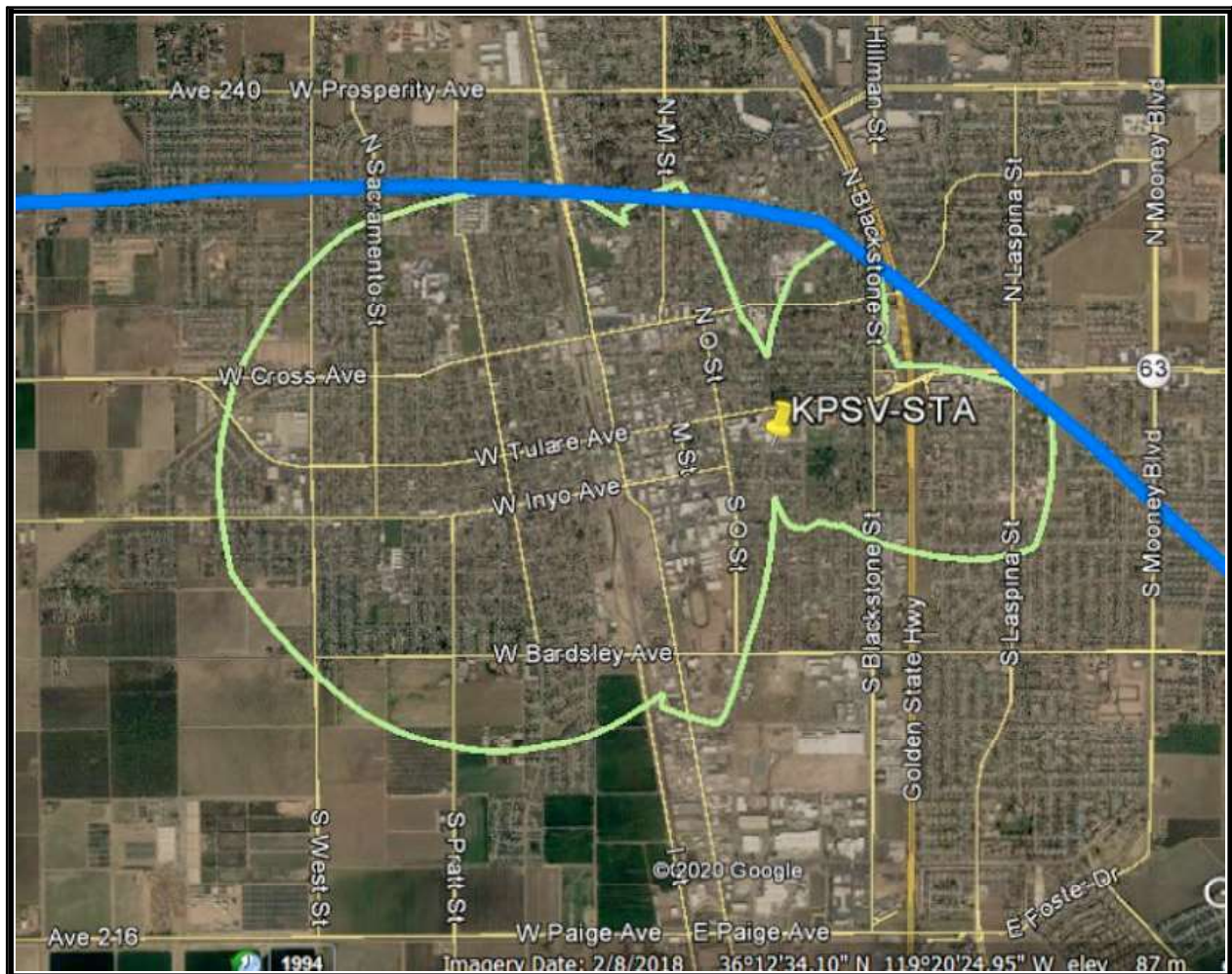


Angle	Relative Field	Power Gain	Gain dB
0	1.000	4.074	6.10
10	0.964	3.786	5.78
20	0.863	3.034	4.82
30	0.730	2.171	3.37
40	0.570	1.324	1.22
50	0.409	0.682	-1.67
60	0.264	0.284	-5.47
70	0.141	0.081	-10.92
80	0.049	0.010	-20.10
90	0.033	0.004	-23.53
100	0.065	0.017	-17.64
110	0.080	0.026	-15.84
120	0.080	0.026	-15.84
130	0.068	0.019	-17.25
140	0.056	0.013	-18.94
150	0.055	0.012	-19.09
160	0.073	0.022	-16.63
170	0.094	0.036	-14.44
180	0.114	0.053	-12.76
190	0.120	0.059	-12.32
200	0.111	0.050	-12.99
210	0.089	0.032	-14.91
220	0.062	0.016	-18.05
230	0.039	0.006	-22.08
240	0.032	0.004	-23.80
250	0.032	0.004	-23.80
260	0.029	0.003	-24.65
270	0.018	0.001	-28.79
280	0.073	0.022	-16.63
290	0.161	0.106	-9.76
300	0.280	0.319	-4.96
310	0.426	0.739	-1.31
320	0.589	1.413	1.50
330	0.747	2.273	3.57
340	0.881	3.162	5.00
350	1.000	4.074	6.10

## Measured Field Values – with Rotation (260 degrees)



Antenna rotated to 260 degrees at 5 watts ERP  
In relation to main 60 dBu f(50,50) contour



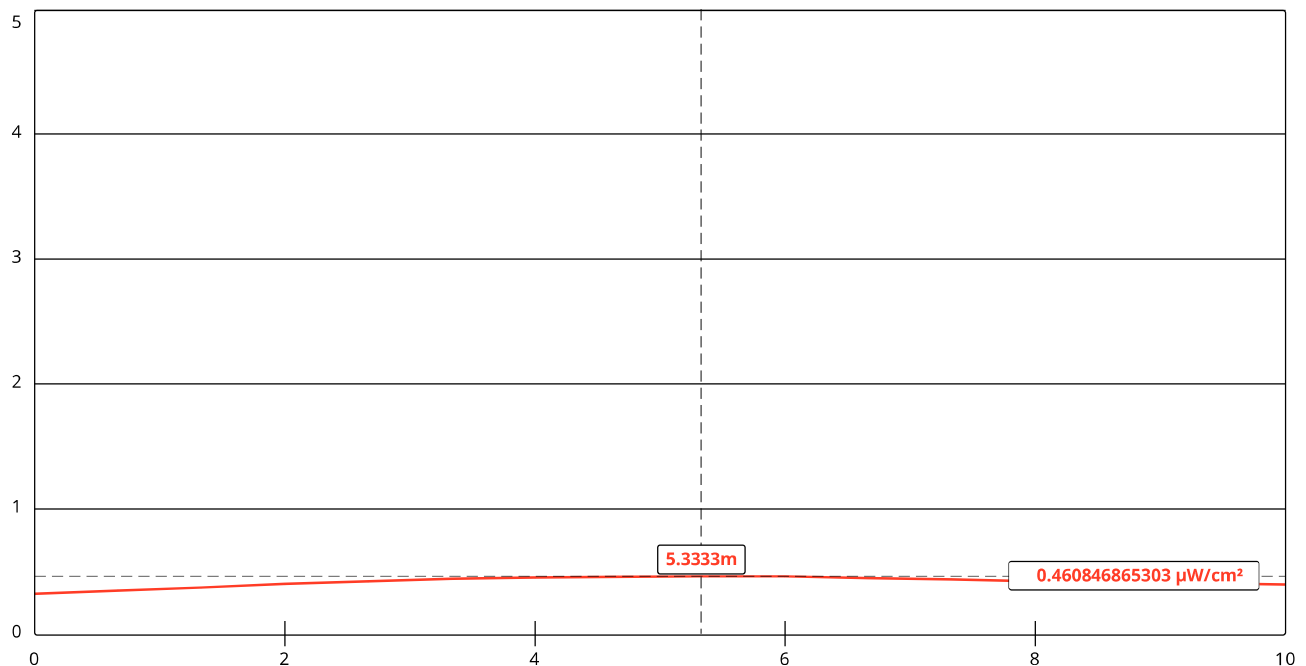




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## FM Model

The FM Model calculator determines the potential exposure from radiofrequency (RF) electromagnetic fields produced by FM broadcast station antennas at ground level. The FM Model software was originally developed by the FCC in 1997 as a standalone executable program and this improved version provides more precise predictions and runs via a JavaScript enabled web browser. The FM Model is originally based on measured data [published in 1985 by the EPA](#) (<http://nepis.epa.gov/Exe/ZyNET.exe/2000ED2W.TXT?ZyActionD=ZyDocument&Client=EPA&Index=1981+Thru+1985&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&OField=&OFieldYear=&OFieldMonth=&OFieldDay=&IntOFieldOp=0&ExtOFieldOp=0&XmlQuery=&File=D%3A\zyfiles\Index%20Data\81thru85\Txt\00000003\2000ED2W.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h|-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=p|f&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL>). [▼ Show More....](#)



Channel Selection	Channel 250 (97.9 MHz) ▼		
Antenna Type +	EPA Type 1: Ring-and-Stub or "Other" ▼		
Height (m)	<input type="text" value="12"/>	Distance (m)	<input type="text" value="10"/>
ERP-H (W)	<input type="text" value="5"/>	ERP-V (W)	<input type="text" value="0"/>
Num of Elements	<input type="text" value="1"/>	Element Spacing (λ)	<input type="text" value="1"/>
Num of Points	<input type="text" value="15"/>	<input type="button" value="Apply"/>	

\* To Print - On your browser, please select Shrink to Fit under the Scale tab from Print Preview

Hide Tabular Results -

Distance (m)	Power Density ( $\mu\text{W}/\text{cm}^2$ )
0	0.3
0.6667	0.3
1.3333	0.4
2	0.4
2.6667	0.4
3.3333	0.4
4	0.4
4.6667	0.5
5.3333	0.5
6	0.5
6.6667	0.4
7.3333	0.4
8	0.4
8.6667	0.4
9.3333	0.4
10	0.4

Go to the Top of the Page

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**Bureau/Office:**

[Engineering & Technology \(https://www.fcc.gov/engineering-technology\)](https://www.fcc.gov/engineering-technology)

**Updated:**

Friday, June 8, 2018

Federal Communications Commission Washington, D.C. 20554	Approved by OMB 3060-0386 (July 2002)	FOR FCC USE ONLY
<b>Extension of Existing Engineering STA</b>  Read Instructions/FAQ before filling out form		FOR COMMISSION USE ONLY FILE NO. BESTA - 20211028AAE

**Section I - General Information**

1.	Legal Name of the Applicant SOUTH VALLEY PEACE CENTER	
	Mailing Address 17206 AVENUE 296	
	City VISALIA	State or Country (if foreign address) CA
	Zip Code 93292 -	
	Telephone Number (include area code) 5596866836	E-Mail Address (if available) TULERUE@GMAIL.COM
	FCC Registration No 0017044611	Call Sign KPSV-FM
	Facility ID Number 174791	
2.	Contact Representative (if other than licensee/permittee) DON MANRO	
	Firm or Company Name KPSV-FM	
	Mailing Address 693 E. KERN AVE SUITE B201	
	City TULARE	State or Country (if foreign address) CA
	ZIP Code 93274 -	
	Telephone Number (include area code) 5596866863	E-Mail Address (if available) TULERUE@GMAIL.COM
3.	Purpose: <input type="radio"/> Engineering STA <input checked="" type="radio"/> Extension of Existing Engineering STA      File Number: BSTA - 20201102AAB <input type="radio"/> Legal STA <input type="radio"/> Extension of Existing Legal STA	
4.	Service: FM	
5.	Community of License: City: TULARE    State: CA	
6.	If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114): <input type="radio"/> Governmental Entity <input checked="" type="radio"/> Noncommercial Educational Licensee/Permittee <input type="radio"/> Other <input type="radio"/> N/A (Fee Required)	
7.	<b>Environmental Protection Act.</b> The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine compliance through the use of the RF worksheets in Appendix A, an <b>Exhibit is required.</b>  By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.	<input checked="" type="radio"/> Yes <input type="radio"/> No  See Explanation in [Exhibit 23]
8.	Please explain in detail the "extraordinary circumstances" which warrant temporary operations at variance from the Commission's Rules. In addition, please specify 1) the specific rules and/or policies from which the applicant seeks temporary relief; 2) how the public interest will be furthered by grant; and 3) the expected duration of the STA and the licensee's plan for restoration of licensed operation. If requesting variance with other than authorized technical facilities, please specify the exact facilities sought.	[Exhibit 24]
9.	Anti-Drug Abuse Act Certification. Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.	<input checked="" type="radio"/> Yes <input type="radio"/> No

I hereby certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations.

Typed or Printed Name of Person Signing DON MANRO	Typed or Printed Title of Person Signing STATION MANAGER
--	---

Signature	Date (mm/dd/yyyy) 10/28/2021
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WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

**Exhibits**

**Exhibit 23**  
**Description:** EXHIBIT 3

ATTACHED CALCULATIONS WERE GENERATED USING FM MODEL.  
A HORIZONTALLY POLARIZED SAM 137 ANTENNA WILL BE INSTALLED.  
RADIATION CENTER WILL BE PLACED AT 12 METERS ABOVE GROUND.  
MAXIMUM POWER DENSITY OF 0.46  $\mu$ W/CM AT 5.3 METERS.

FACILITY ON PRIVATE PROPERTY IS ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL. APPLICANT CERTIFIES POWER WILL BE REDUCED OR OPERATIONS CEASED AS NECESSARY TO PROTECT PERSONS HAVING ACCESS TO THE SITE, TOWER OR ANTENNA FROM RADIOFREQUENCY ELECTROMAGNETIC EXPOSURE IN EXCESS OF FCC GUIDELINES.

**Attachment 23**

Description
FM Model Calculations - 5w ERP with Horizontal Polarization

**Exhibit 24**  
**Description:** EXHIBIT 4

EXTENSION REQUESTED TO CONTINUE OPERATIONS WITH REDUCED FACILITIES.  
LICENSEE LOST ACCESS TO ORIGINAL TOWER SITE.  
SEARCHES & EVALUATIONS CONTINUE FOR NEW VIABLE TOWER SITES

- ATTACHED ENGINEERING EXHIBIT WITH PRE-ROTATED ANTENNA PATTERN.  
MEASURED FIELD VALUES ARE INCLUDED FOR ANTENNA.

AUTHORIZATION USING THE ATTACHED PARAMETERS WERE ORIGINALLY GRANTED 11/02/2020 (BSTA-20201102AAB)

**Attachment 24**

Description
Updated Exhibit for Engineering STA - Antenna rrotated to 260 deg with Measured Field Values