| Date: | 5-1-2023  |
|-------|---|
| То:   | Federal Communications Commission   |
| From: | Radio Station WKQK-AM<br>City of License: Cocoa Beach, FL   |
| Re:   | Request to Extend STA to Continue Broadcasting from Previously Approved<br>Temporary Location at Reduced Power, Using a Long-Wire Antenna |

WKQK has just identified two candidate sites for a new permanent broadcast tower and will be approaching the property owners to propose an offer to buy or lease the land.

As previously mentioned, WKQK has already acquired a new tower and has it in storage ready for installation once suitable property has been purchased or appropriately leased.

As this difficult property acquisition continues, we respectfully request an extension of our STA allowing us to continue to operate from the temporary location as previously approved.

Granting us this STA will allow WKQK to continue to serve the community as it has since 1959.

Thank you for your kind assistance in this matter.

Susan Standley, Operations Manager Radio Station WKQK-AM 321 Corporation

# ATTACHED FOR REFERENCE

# MAY 5, 2022 STA EXTENSION REQUEST PACKAGE

#### Date: 5-5-2022

| To:   | Federal Communications Commission   |
|-------|---|
| From: | Radio Station WKQK-AM<br>City of License: Cocoa Beach, FL   |
| Re:   | STA Request for Resumption of Broadcasting<br>from a Temporary Location at Reduced Power, using a Long-Wire Antenna |

Having lost our tower site for WKQK and having to temporarily go dark earlier this year, please find attached our STA request to resume broadcasting from a temporary location at reduced power using a long-wire antenna while we work to find a suitable new tower site for the station.

Granting of this STA will allow us to continue to serve the community as it has since 1959.

Thank you for your kind assistance in this matter,

Susan Standley, Operations Manager Radio Station WKQK-AM 321 Corporation

# WKQK Cocoa Beach, FL 1300 kHz # 55005

#### BLSTA - 20220112AAN - Amendment

# **APPLICATION FOR ENGINEERING STA**

Amended STA filed via email in accordance with Commission procedures. In the absence of a form, the following information is provided in an attempt to fulfill STA filing requirements.

#### **Applicant:**

321 Corporation P. O. Box 561028 SusanStandley@321Corp.com 321-501-6102

WKQK 1300 kHz Facility #55005 FRN 0024882318

#### Purpose:

The applicant has lost the licensed site for WKQK and must operate from a temporary site under an STA until a permanent location can be obtained and appropriate applicants filed.

### **Certification:**

The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR §1.2002(b), for the definition of "party to the application" as used in this certification §1.2002(c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.

W. F. Standley III, President 321 Corporation

### Technical data and exhibits for requested STA:

WKQK 1300 kHz Facility # 55005 0.5 kW Day/ 0.250 kW Night Antenna efficiency worst case is 232.8 mV/m/km/kW

### Site: N 28-18-42.8 W 80-42-20.5 (NAD27)

Antenna type: 100-foot-long wire dipole mounted 30 feet above ground and suspended between two wooden poles.

This Technical Report is provided in support of an application for an STA for station WKQK on 1300 kHz (FCC facility # 55005). An STA is requested to operate at a temporary site with 500 Watts Day and 250 Watts Night by exciting a 100-foot-long wire dipole.

The following exhibits are provided:

- Vertical sketch
- Map demonstrating that the STA 0.5 mV/m is contained with the licensed 0.5 mV/m
- Night interference study

### **RF determination:**

The 0.5 kW, 100-foot-long wire is 30 feet above ground. It will clearly pose no RF exposure beyond general population limits since a 100-foot-long  $(0.132\lambda)$  antenna would only require a fence within 1 meter or less based on the Commission's RF table from form 301.

| Frequency | Transmitter Power (kW)                                     |    |   |   |  |
|-----------|--|----|---|---|--|
|           | 50   | 10 | 5 | 1 |  |
| (kHz)     | Predicted Distance for Compliance with FCC Limits (meters) |    |   |   |  |
| 535-740   | 4  | 2  | 2 | 1 |  |
| 750-940   | 4  | 2  | 2 | 1 |  |
| 950-1140  | 4  | 2  | 2 | 1 |  |
| 1150-1340 | 4  | 2  | 2 | 1 |  |
| 1350-1540 | 4  | 2  | 2 | 1 |  |
| 1550-1705 | 5  | 2  | 2 | 1 |  |

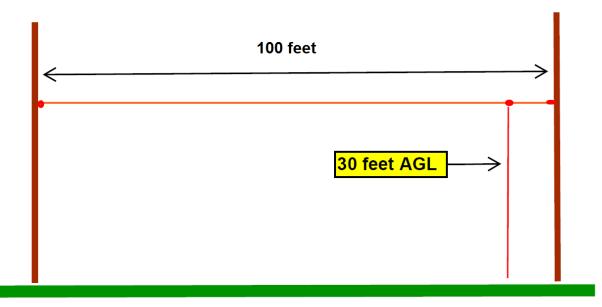
#### TABLE 2. Predicted Distances for Compliance with FCC Limits: 0.21-0.4 Wavelength

If any additional technical information is required, please contact us.

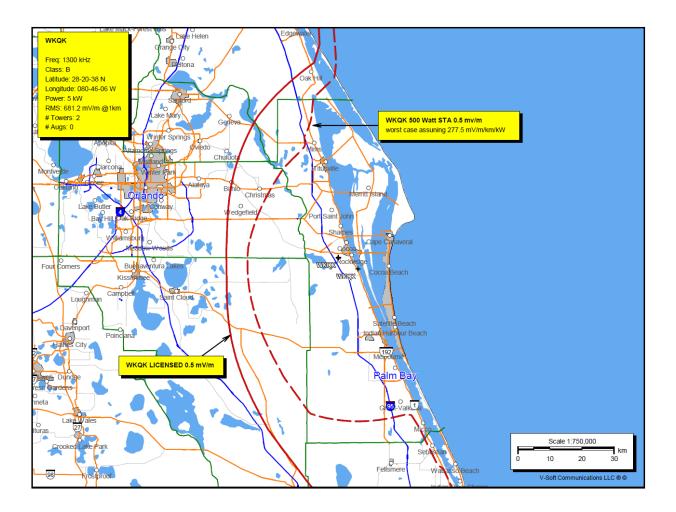
Susan Standley, 321 Corporation Operations Manager, Radio Station WKQK SusanStandley@321Corp.com -- 321-501-6102

### EXHIBIT A

The WKQK 1300 Khz STA antenna is a 100-foot-long wire dipole stretched between two poles 30 feet above ground level.



#### EXHIBIT B



#### **EXHIBIT C**

-----COCOA BEACH, FL, US Hours: D Lat: 28-18-42.80 N Lng: 080-42-20.50 W Power: 0.24 kW Theo RMS: 277.48 mV/m @ 1km @ 1kW Field Phase Spacing Orient Height Ref TL A в С D (deg) (deg) (deg) (deg) Swtch Swtch (deg) (deg) (deg) (deg) # Ratio \_\_ \_\_\_\_ 0.0 0.0 0.0 47.5 0 0 0.0 0.0 0.0 0.0 1 1.000 SWFF Req Prot Permis Cur Rad Margin Call Letters Ct St City (100uV/m) (mV/m) (mV/m) (mV/m) (mV/m) WOAD US MS JACKSON 45.71 1.261 137.99 135.16 2.83 50% = 3.174, 25% = 5.177; WDXI=2.31 WNQM=2.18 XECPAD/A=1.51 HJOG-A=1.43 XEGA/A=1.39 XE/A=1.37 KCSF=1.36 XEKW/A=1.33 XEDG/A=1.32 KHTW=1.29 XEHU/A=1.26 162.19 4.428 136.49 127.98 US FL MARATHON 8.52 WFFG 50% = 7.307, 25% = 9.671; WKQK=4.43 WNQM=4.39 HJOG-A=3.81 WSYD=3.22 WLXG=3.00 XE/A=2.75 WJNO=2.65 HJEA-A=2.47 CU SANTA CLARA 41.55 1.256 151.18 130.98 20.19 CMEL-D 50% = 2.512, 25% = 3.455; HJOG-A=1.74 WFFG=1.30 XE/A=1.26 WNQM=1.23 HRLH-A=1.11 XERB/A=1.04 WSYD=1.00 YNR-A=0.89 W.TZ US MD BALTIMORE 29.73 1.030 173.19 135.65 37.54 50% = 2.898, 25% = 4.119; WJMO=1.71 WFBG=1.70 WOAD=1.61 WAVZ=1.36 WLXG=1.30 WODS=1.25 WHIO=1.12 WFFG=1.07 KAKC=1.04 US TN NASHVILLE 42.17 2.135 253.21 135.26 WNOM 117.95 50% = 6.805, 25% = 8.542; WOAD=6.81 KAKC=3.30 WSYD=3.13 WOOD=2.45 US FL WEST PALM BEACH 316.68 1.974 311.69 104.11 207.58 WJNO 50% = 7.036, 25% = 7.896; WTKS=4.09 YVLF-A=3.36 YVPF-A=3.35 HJEB-A=3.20 HJOI-A=2.95 HJHI-A=2.04 WJMO US OH CLEVELAND 23.29 1.858 398.80 135.80 263.00 50% = 5.417, 25% = 7.431; WLXG=4.84 WOOD=2.43 WJZ=2.27 WXRL=2.22 WHIO=2.09 WOAD=2.00 WNOM=1.93 WODS=1.92 WLXG US KY LEXINGTON 36.30 3.099 426.81 135.45 291.36 50% = 10.162, 25% = 12.395; WNQM=7.69 WOOD=6.64 WSYD=4.46 WOAD=3.99 WRDZ=3.81