

**FEDERAL COMMUNICATIONS COMMISSION**  
**445 TWELFTH STREET SW**  
**WASHINGTON DC 20554**

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June 4, 2012

Lewis J. Paper, Esq.  
Pillsbury Winthrop Shaw Pittman LLP  
2300 N Street NW  
Washington, DC 20037-1128

Re: KTCT(AM), San Mateo, California  
Facility Identification Number : 51188  
Susquehanna Radio Corporation  
Special Temporary Authorization

Dear Counsel:

This is in reference to the request filed May 18, 2012, on behalf of Susquehanna Radio Corporation ("SRC"), licensee of Station KTCT(AM), San Mateo, California. SRC requests further extension of the special temporary authority ("STA") originally granted on June 15, 1999, and modified on February 11, 2004, to operate Station KTCT with its authorized daytime facilities during nighttime hours in order to overcome interference from a foreign station.<sup>1</sup>

In support of its request for extension, SRC states that the STA was authorized to overcome interference to KTCT from an unauthorized operation of cochannel Station XED, Mexicali, Baja California, Mexico. SRC further states that the interference situation has not changed.

Accordingly, the request for extension of STA IS HEREBY GRANTED, subject to the following condition:

Operation with the facilities specified herein is subject to modification, suspension or termination without right to hearing, if found by the Commission to be necessary in order to conform to the provisions of the registration process of the ITU, or to bilateral or other multilateral agreements between the United States and any other country.

Station KTCT may continue to operate with increased power during nighttime hours in order to overcome interference from the non-compliant operation of Station XED. Operation pursuant to this authority shall be in accordance with the attached Directional Antenna Specifications. It will be necessary to reduce power or cease STA operation if complaints of interference are received. SRC must use whatever means are necessary to protect workers and the public from exposure to radio frequency radiation in excess of the Commission's exposure guidelines. *See* 47 CFR § 1.1310.

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<sup>1</sup> KTCT is licensed for operation on 1050 kHz with 50 kilowatts daytime and 10 kilowatts nighttime, employing different directional antenna patterns during daytime and nighttime hours (DA-2-U).

This authority expires on **December 4, 2012.**

Sincerely,

A handwritten signature in blue ink that reads "Charles N. Miller". The signature is written in a cursive style with a long horizontal flourish at the end.

Charles N. Miller, Engineer  
Audio Division  
Media Bureau

Attachment: Directional Antenna Specifications

cc: Susquehanna Radio Corporation

**SPECIAL TEMPORARY AUTHORITY**

**SPECIFICATIONS FOR NIGHTTIME DIRECTIONAL OPERATION OF  
KTCT (AM), San Mateo, CA**

**Frequency:** 1050 kHz      **Nominal Power:** 50 kW      **Antenna Input Power:** 52.6 kW

**Common Point Current:** 32.43 Amperes      **Common Point Resistance:** 50 ohms

**Transmitter site coordinates (NAD 1927):**    37° 39' 02" N, 122° 09' 02" W

**Description of Directional Antenna System:**

**Number and Type of Elements:**    Five (5) vertical, self-supporting, series-excited steel radiators. (Note: Tower #5 is not used in this pattern.)

**Height above Insulators:**        61.0 meters (76.9°)

**Overall Height:**                    62.5 meters

**Ground System:**                    120 radials 72 m in length except where intersecting radials are shortened and bonded, plus 120 radials 15.2 m in length, about the base of each tower.

**Spacing and Orientation:**        With Tower #3 (WC) as a reference, Tower #1 (E) is spaced 180.0° (142.8 m) on a line bearing 80.8° ; Tower #2 (EC) is spaced 90.0° (71.4 m) on a line bearing 81.8°; Tower #4 (W) is spaced 90.5° (71.8 m) on a line bearing 253.3°; Tower #5 (N) is spaced 102.4° (81.2 m) on a line bearing 327.8°.

**Theoretical RMS:**                    2327.6 mV/m at 1 km

**Standard RMS:**                      2445.25 mV/m at 1 km

**Q factor:**                              75.1 mV/m

**SPECIAL TEMPORARY AUTHORITY**

**SPECIFICATIONS FOR NIGHTTIME DIRECTIONAL OPERATION OF  
KTCT (AM), San Mateo, CA**

<b>Tower:</b>	<b>#1(E)</b>	<b>#2 (EC)</b>	<b>#3 (WC)</b>	<b>#4(W)</b>
<b>Theoretical Parameters:</b>				
<b>Field Ratio:</b>	0.402	1.0	1.0	0.357
<b>Phasing (degrees):</b>	-95.2	126.6	0.0	-112.7
<b>Operating Parameters*</b>				
<b>Phase (degrees):</b>	-91.4	125.2	0.0	-109.2
<b>Current Ratio:</b>	0.417	0.906	1.00	0.304

\*As indicated by Potomac Instruments AM-1901 antenna Monitor.

**Antenna sampling system approved under Section 73.68 (b) of the rules.**

**Descriptions Of And Field Intensities At Monitor Points:**

**Direction of 52.5° True North:** North side of Grove Way, west end of Cherryland Park, 200' into park at northwest corner of basketball court. Distance from the transmitter site is 4.83 km. The field intensity at this point shall not exceed **36.0 mV/m**.

**Direction of 122° True North:** Northwest corner of the intersection of Pueblo springs Avenue and Pueblo Lake Avenue, at curb, next to fire hydrant. Distance from the transmitter site is 5.63 km. The field intensity at this point shall not exceed **25.6 mV/m**.