Attachment C

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Engineering Statement and Analysis in Response to Claims of Interference to WJJF from Translator W235CN

W235CN is responsible for curing interference caused as a result of its operation, but is not responsible for interference or other reception problems that are not related to its operations. Previous testing has demonstrated repeatedly that no interference is being caused by W235CN to WJJF. Pursuant to FCC standards, On-Off tests were again conducted by Radio Sharon Foundation on W235CN at all locations indicated in the complaints, including locations that had previously been tested. Where listeners indicated that they listened at home, the tests were performed at their homes. Where listeners reported mobile listening, tests were made along the routes indicated in the complaints. The results of these tests is documented below along with links to the actual videos of each test, made in real time. The results of the tests indicate that no actual interference occurs to WJJF. Further, WJJF has a very poor signal and is far below any reasonable standard for a "regularly received broadcast" in most areas of perceived interference.

Raw Data
Individual Residences

The address above the name is the URL of the video
The narrative below the name/address is the description

https://drive.google.com/file/d/1zvrWYFJJkp7e1msxR_o4-naD5pNBvUTv/view?usp=sharing
Elisabeth Darrow @home
83 Leafwood Lane
Groton, 06340 Same address as John Dummermuth March 6, 2018
In front of the Dwelling WJJF is moderate in strength but there are areas where it rapidly deteriorates to noise. Initially W235CN is off but when it is turned on there is no change to the WJJF signal. W235CN cannot be heard at all. Turning off W235CN and travelling down the road WJJF fades completely to noise.

> 02891Video 1:
https://drive.google.com/file/d/1ksOwlmuY03Ns9uyBmi4Df4ACwyTsVc4E/view?usp=sharingVideo
Robert Casey @home
59 Potter Hill Road
Westerly, RI 02891 March 2, 2018
Initially taken in front of 59 Potter Hill or in front of the Casey Dwelling. WJJF has some noise in front of the house but the signal is strong enough to have good audio. The W235CN translator is turned on and no difference is noted in the WJJF audio. No interference is heard. While driving along the Potter Hill Road WJJF fades to noise.

https://drive.google.com/file/d/1X0M4dOemH0Q0H6YY5UrFLQUsRFhIIu7z/view?usp=sharing
Patricia Casey listens @home
39 Timothy Dr?
Westerly, RI 02891 March 6, 2018

A test of the station indicates that WJJF is not disturbed by the operation of W235CN. WJJF is clearly heard and turning on W235CN does not create interference for WJJF at or near this dwelling.

https://drive.google.com/file/d/1zvrWYFJJkp7e1msxR_o4-naD5pNBvUTv/view?usp=sharing
John Dummermuth @home
83 Leafwood Lane
Groton, CT 06340 March 6, 2018
In front of the Dwelling WJJF is moderate in strength but there are areas where it rapidly deteriorates to noise. Initially W235CN is off but when it is turned on there is no change to the WJJF signal. W235CN cannot be heard at all. Turning off W235CN and travelling down the road WJJF fades completely to noise.

https://drive.google.com/file/d/1mzg3TqSnwRYAruoK0P8eWtY4NF0k4Wqm/view?usp=sharing
Patrick M McCarthy @home
4 Maple Shade Court
Bristol, RI 02809 March 8, 2018
W235CN is clearly heard but presents a weak noisy signal. When W235CN is turned off there is not a hint of a signal. Nothing. No WJJF. This condition persists down the road. It is important to note that if a signal is noisy in a car radio it will not be detected in an in home stereo. Thus Mr. McCarthy is likely incorrect when he said that he listened "at home and in his car".

https://drive.google.com/file/d/1_fyNS5DL6Z1aP6VsdrrldLqwtdd68SXa/view?usp=sharing
Mary Ann Town This was submitted twice both in Exhibit A & C
34 Pachaug River Drive Listens @home
Griswold, CT 06351 March 5, 2018
WJJF is weak with patches of noise. W235CN is on but turned off and within seconds WJJF fades to noise. Riding along the road produces more drop-outs. While the translator is turned off, the WJJF signal fades to the noise floor. While this is happening another radio station can be heard in the background. Turning on W235CN doesn't degrade the WJJF signal. The WJJF signal quality remains the same whether W235CN is on or off.

Robert, Collins
No address given
Unable to check this residence March 30, 2018

https://drive.google.com/file/d/1ksf5KN9fdjEqLUQmrh7osrh1P1VZOu0r/view?usp=sharing
Robert Macek This interference was heard in Nov & Dec. The translator
80 Middle Road reduced power after that. @home
Preston, CT 06365 April 9, 2018
WJJF has noise in patches. This occurs when W235CN is off and when it is on.

https://drive.google.com/file/d/1JvprLShpA_1Oh-Poca-CqO4Hb6zGTIvg/view?usp=sharing
Arther Lee Daniel @home TF Green Airport, Warwick, RI
57 Depot Road
Uncasville,CT 06382 April 12, 2018

WJJF is weak with patches of noise when the W235CN translator is off the air. Turning it on causes no changes to the quality of the WJJF signal.

https://drive.google.com/file/d/1R4ejjQmlQR7vse_JuwIg65Nc0OeRNKOi/view?usp=sharing

Leonard Knapp Everywhere
9 Turtle trail
Charlestown, RI 02813 April 6, 2018
WJJF is weak and somewhat noisy when the translator is off or on. Turning on W235CN does not degrade the WJJF signal. W235CN cannot be heard.

https://drive.google.com/file/d/1xGzmrns0smjcySAiCv_hsJjqtEx434KV/view?usp=sharing

David Smith @home
28 Beech view Road Extension
Voluntown, CT 06384 April 16, 2018
The WJJF signal is below the noise floor and it is highly unlikely that this person can pick up WJJF without the aide of a modern sophisticated antenna. W235CN cannot be heard in this area. WJJF does appear sporadically but it is not a useable signal without advanced means.

https://drive.google.com/file/d/1mYIDH40KnYq_4h0W7xIHfUwUxLW1D0A7/view?usp=sharing

Charles H DiLuglio Letter first mailed Dec 18, 2017
34 Nun Avenue
Jamestown, RI 02835 March 13, 2018
WJJF is completely swamped with noise. This is with W235CN off the air. When returning it to the air the WJJF signal stays the same. W235CN cannot be heard and neither can WJJF. It is not possible to listen from this address without advanced receiving techniques.
https://drive.google.com/file/d/10JInuX2jvvd3Ley7HpzL8a92AY6DF7Pc/view?usp=sharing

Jennifer Gudwin? @home
270C Moonstone Beach Road
South Kingstown, RI 02879 April 8, 2018
WJJF is clearly without interference. The complaint by Ms. Gudwin was incorrect. This was evidenced when Translator W235CN was turned on and off. There is no interference as WJJF was not effected by W235CN in either state.

https://drive.google.com/file/d/12RhExaAmVrjm2Y8YW-aXDuflx-YH7M8u/view?usp=sharing

Debra Strokes @home
63 Cherokee Bend
Charlestown, RI 02813 April 4, 2018
WJJF presents a solid signal. W235CN cannot be heard. It makes no difference whether it is on or off. There is no interference at, or near, this location.

https://drive.google.com/file/d/1xnQZEZ7ZkpuOa3K-vFZXX5rftOBGqVaJ/view
Michael DiCarlo
224 Long street
Warwick, RI 02886

W235CN is clearly heard when it is on. When W235CN is turned off there is no other signal heard at the residence. Consider this is over 40 miles from WJJF.

https://drive.google.com/file/d/18Y0z4jsrz5E1CQ0jA9YkUlpMnyc2M1wx/view
Kevin Loftes
42 Larkin Pond Road South
West Kingston, RI 02892

At the residence, the signal from WJJF is weak and distorted and fades to noise along stretches of the adjacent road. W235CN is turned on and off & the WJJF signal remains the same. The WJJF audio is torn and distorted while W235CN is off. WJJF is over forty miles away. The audio is so distorted that it sounds like a hundred pounds of tower bolts in a cement mixer.

https://drive.google.com/file/d/1RM3-WWoxzXcGv7rX2j3rKmW0lA3_QgH-/view?usp=sharing
Todd Dumas
39 Brandywine Drive
Westerly, RI 02891

WJJF is clearly heard at this residence. When W235CN is turned on no interference is heard and there is no change in the received WJJF signal.

General Areas

https://drive.google.com/file/d/1ycdx4nFxn9-yBuFt8ceBxxZp0x55W0zR/view?usp=sharing
Hopkinton Driving North on I-95 toward Wyoming WJJF is heard but weak in spots. the translator is on and there is no interference It is turned on and off to demonstrate. there is no change to the WJJF signal.

https://drive.google.com/file/d/10ZT2wlHXsf31jzZw0A-Y4qXp39sGzd42/view?usp=sharing
Newport, RI/ Middletown 138/114 & East Main Road WJJF is noisy dropping to noise and then recovering to a moderate signal somewhat quickly. W235CN is turned on and off making no difference in the WJJF signal. W235CN is not heard.

Route 138 Leaving US-I and driving East toward Jamestown. This drive is in segments:

https://drive.google.com/file/d/1dcpw68YiIxcocPweK6iV-qedQA33tQ_N/view?usp=sharing

Route 138 E to Jamestown There is no reception of WJJF. W235CN is off so WJJF has no signal here. Approaching Exit 1-A Wickford-Narrogansett Exit in 1.5 miles. W235CN has been turned off. WJJF reception is sporatic and weak. W235CN is not heard turning it on and off. There is no change in the WJJF signal at all. Approaching North Kingstown on 138 turning W235CN on and off doesn't change the very spotty reception of WJJF.

Jamestown Bridge WJJF begins to increase on the Bridge. W235CN is not heard turning it on and off. WJJF quickly fades to noise once the car leaves the bridge to Jamestown. Although, WJJF may be heard on the bridge it rapidly disappears when one exits the bridge W235CN cannot be heard on the bridge or either side.

https://drive.google.com/file/d/1ycdx4nFxn9-yBuFt8ceBxxZp0x55W0zR/view?usp=sharing

Hopkinton 138 E to Hope Valley WJJF is clear but weak and W235CN when turned off doesn't improve the S/N ratio. (No improvement is noted turning off W235CN.

I-95/ Wyoming Departing Wyoming via US-1 to Coventry WJJF is very weak but readable. There are patches of Static and no signal. When W235CN is turned on then off there is no change to the WJJF signal.

https://drive.google.com/file/d/10ZT2wlHXsf31jzZw0A-Y4qXp39sGzd42/view?usp=sharing

138 / **Jamestown** The WJJF coverage is very weak dipping to extremely sporadic and noisy. Its signal improves over the river, when W235CN is turned off to prove that WJJF has no useable signal. No interference is detected. WJJF remains extremely noisy regardless of W235CN's status.

https://drive.google.com/file/d/1zlPpZdKA-19_O9e1xYjJD9JnBG7MJY-G/view?usp=sharing

Exeter & Rt1

WJJF is weak and reception fades and becomes noise. W235CN cannot be heard when it is turned on. However, WJJF is very noisy and fades to noise.