

## Exhibit 22.1

### **Compliance with Radiofrequency Radiation Guidelines**

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The potential for human exposure to non-ionizing radiofrequency radiation has been evaluated at the proposed transmitter site. In addition to the proposed WSMR (FM) Channel 206C1 operation for Sarasota, FL, the transmitter site will also be shared with two other FM broadcast facilities. There are no other known broadcast facilities within 315 meters of the shared transmitter site which operate with a power greater than 99 watts ERP.

The WSMR (FM) Channel 206C1 facility will operate on 89.1 MHz with a maximum effective radiated power (ERP) of 55 kW using circular polarization. The facility will operate with a fully spaced four element ERI, SHPX-4AE antenna mounted 113 meters above ground level (AGL). The antenna uses "rototiller" type elements.

WLTQ-FM, Venice, FL operates on Channel 221C3 and has both a main and auxiliary facility on the tower. For purposes of a complete study, both facilities have been evaluated. However, only one of these is used at a given time so the facility with the maximum predicted power density will be used for the "worst case" scenario evaluation. The main facility operates at a maximum effective radiated power (ERP) of 11.5 kW using circular polarization with an antenna COR mounted 144 meters AGL. The antenna is a Dielectric DCRM4AE5P, which uses four DCRM elements spaced 0.5 wavelength apart. The auxiliary facility operates with an ERP of 9.2 kW using circular polarization with an antenna COR of 79 meters AGL. The auxiliary antenna uses three "rototiller" type elements spaced one-half wavelength apart.

WSRZ-FM, Coral Cove, FL operates on Channel 300C2 with both a main and auxiliary facility. The main uses a Dielectric DCRM8C5P antenna mounted with its center of radiation 154 m AGL. The antenna uses eight DCRM elements spaced 0.5 wavelength apart. The main ERP is 47 kW and uses circular polarization. The auxiliary operates at 21.5 kW ERP with a circularly polarized ERI SHPX-3AE-HW mounted with its center of radiation 85 meters AGL. The auxiliary antenna uses three "rototiller" type elements mounted one-half wavelength apart.

The RFH<sub>az</sub><sup>™</sup> program from V-Soft Communications was used to evaluate the individual facilities. The results are shown at the end of this exhibit in a series of screen captures. The height of the antenna used in the program is 2 meters less than the actual antenna COR. This allows evaluation at the top of a 2 meter tall observer. The distance from the tower has been adjusted to show the maximum predicted power density within 315 meters of the tower base.

To evaluate the total exposure to non-ionizing radio-frequency radiation it is necessary to sum the individual contributions as a percentage of the maximum permissible limit. If the resulting sum is less than or equal to 100%, the exposure is concluded to be within the FCC Guidelines. To simplify the calculations and produce a "worst case" scenario, the maximum exposure level produced by each station has been selected without regard to the location of that exposure. Since both auxiliary facilities produce greater exposure than their respective main facilities, the auxiliaries are shown in the following table, which is based on the uncontrolled limits set forth in the FCC Guidelines.

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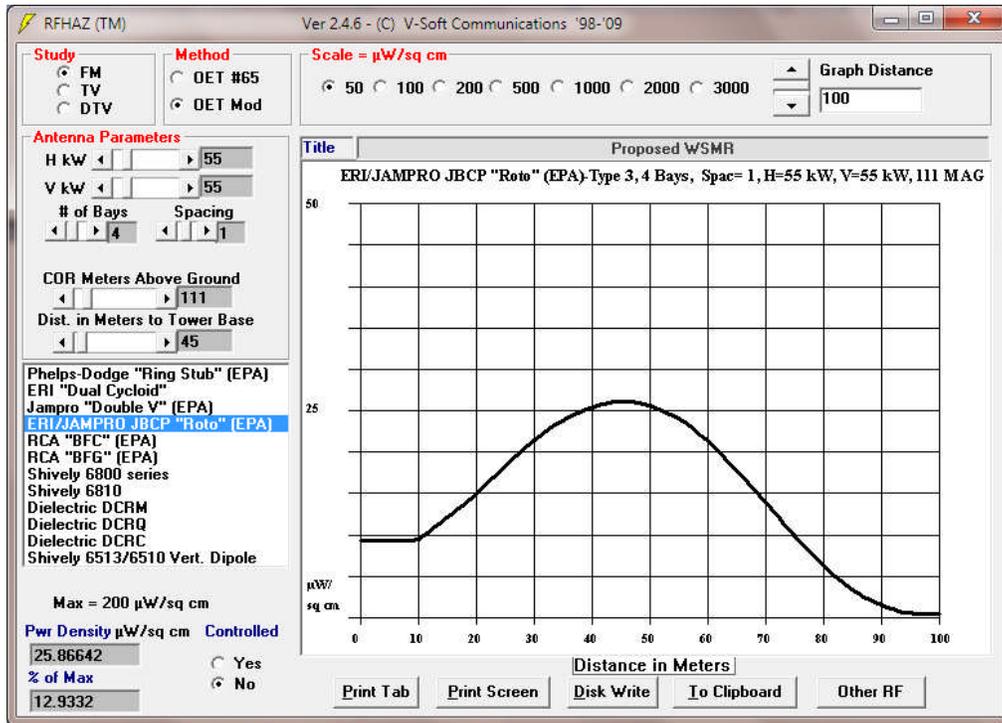
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<u>Contributing Station</u>	<u>Maximum Contribution</u>	<u>Uncontrolled Limit</u>	<u>% of Limit</u>
WSMR (FM) Proposed	25.86642 $\mu\text{W}/\text{cm}^2$	200 $\mu\text{W}/\text{cm}^2$	12.9332
WLTQ-FM Auxiliary	1.31335 $\mu\text{W}/\text{cm}^2$	200 $\mu\text{W}/\text{cm}^2$	0.6567
WSRZ-FM Auxiliary	2.64112 $\mu\text{W}/\text{cm}^2$	200 $\mu\text{W}/\text{cm}^2$	<u>1.3206</u>
		<b>Total % of Limit</b>	<b>14.9105</b>

In addition to the protection afforded by the proposed antenna heights above ground, the facility is properly marked with signs, and entry to the facility is restricted by means of fencing with locked doors and/or gates. In the event work is required near the antenna that would potentially expose workers to fields in excess of the current guidelines, power will be reduced or the station will cease operation during the critical period. Any other means that may be required to protect employees and the general public will be employed.

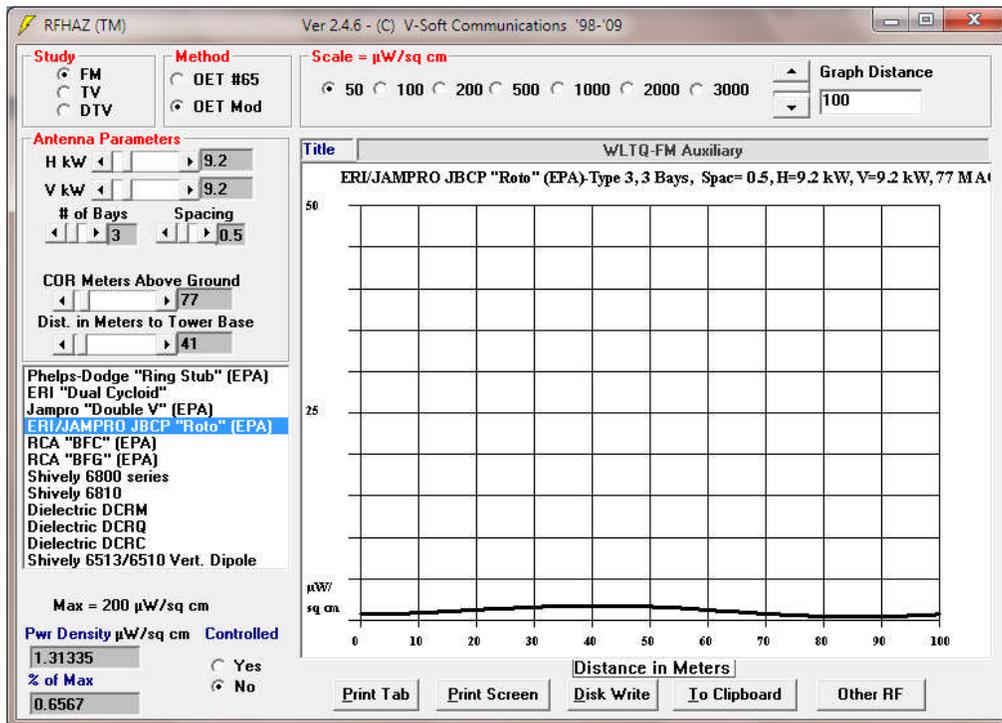
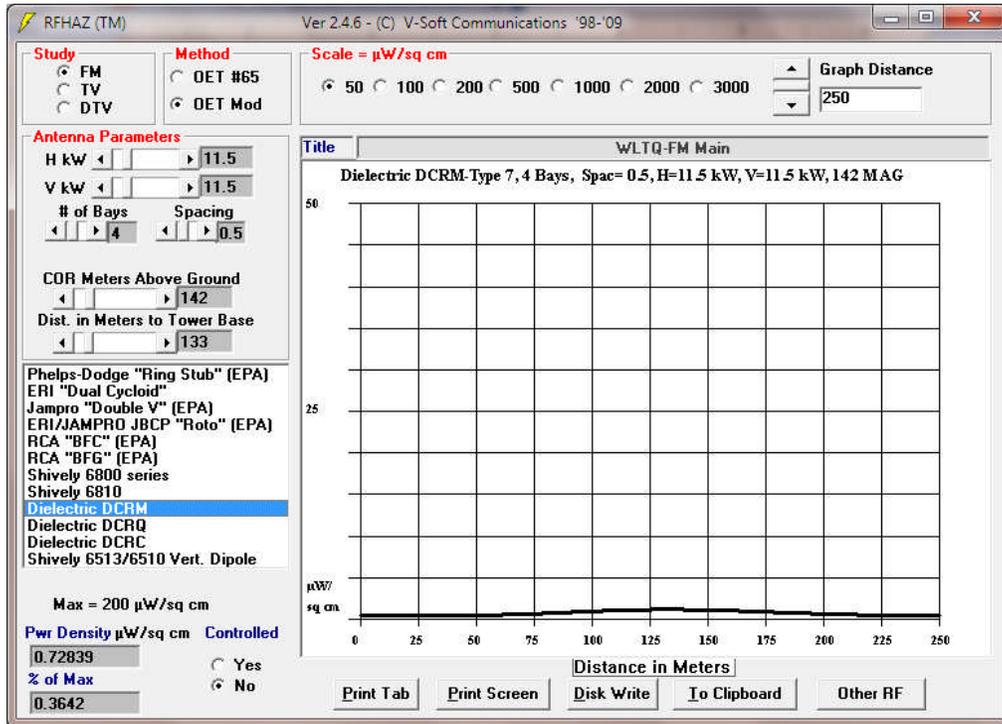
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## PLOT OF TOTAL POWER DENSITY Proposed WSMR (FM)– Sarasota, FL



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## PLOT OF TOTAL POWER DENSITY WLTQ-FM – Venice, FL



# Exhibit 22.1 Compliance with Radiofrequency Radiation Guidelines

## PLOT OF TOTAL POWER DENSITY WSRZ-FM – Coral Cove, FL

