

## Comprehensive Engineering Exhibit

### WTZB(FM), Englewood, Florida

#### Change of Class from A to C3

This application seeks a facility upgrade for station WTZB (FM), Englewood, Florida, from Class A to Class C3 at a new antenna location.

The proposed antenna location is upon a tower structure identified by Antenna Structure Registration (ASR) Number 1036783 that is part of the directional array of standard band station WDDV. From this location the proposed facility will be Section 73.207 short-spaced to the facilities of WOCL, WCTQ, and WWLL, as well as the permit of WOCL. Spacing in accordance with Section 73.215 is requested with respect to these facilities and permit.

To prevent prohibited contour overlap with WOCL facility and permit a directional antenna is proposed. WCTQ and WWLL will not receive prohibited contour overlap from the proposed facility. Attached is a map demonstrating lack of prohibited contour overlap. Also attached is a map demonstrating coverage of the principal community from the proposed facility.

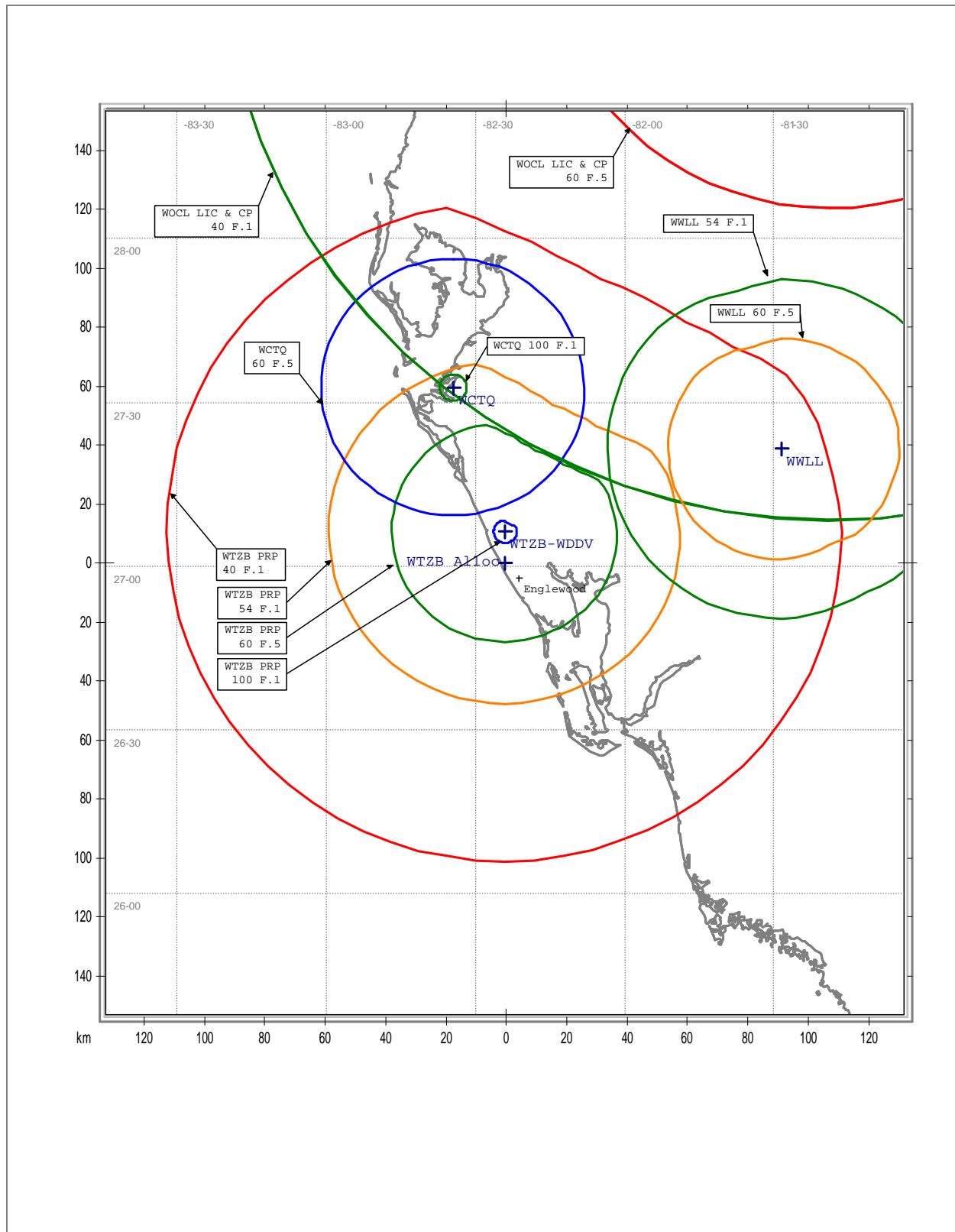
A fully spaced allocation location for a C3 facility has been determined to exist at a suitable location of 27-00-31 N, 82-24-04 W; an allocation location spacing report is attached. Also attached is a map demonstrating coverage of the principal community from the allocation location.

Due to the complexity of the co-located facilities, the licensee will take power density measurements prior to filing of an application for license to demonstrate compliance with 74CRR 1.1306.

#### Antenna Location Spacing Report

ComStudy 2.2 search of channel 290 (105.9 MHz Class C3) at 27-06-19.0 N, 82-23-59.0 W.								
Callsign	City	Chanl	ERP_w	Class	Status	Dist_km	Sep	Clr
WTZB	ENGLEWOOD	290	4300	A	LIC	2.84	142	-139.2
WOCL	DELAND	290	96000	C	LIC	227.41	237	-9.6
WOCL	DELAND	290	96000	C	CP	227.42	237	-9.6
WCTQ	SARASOTA	293	13000	C2	LIC	51.69	56	-4.3
WWLL	SEBRING	289	19000	C3	LIC	95.99	99	-3
WZSP	NOCATEE	287	4100	A	LIC	45.5	42	3.5
WBGG-FM	FORT LAUDERDALE	290	27500	C0	LIC	250.04	226	24
WJPT	FORT MYERS	292	50000	C2	LIC	82.87	56	26.9
WBGG-FM	FORT LAUDERDALE	290	100000	C0	LIC	253.73	226	27.7

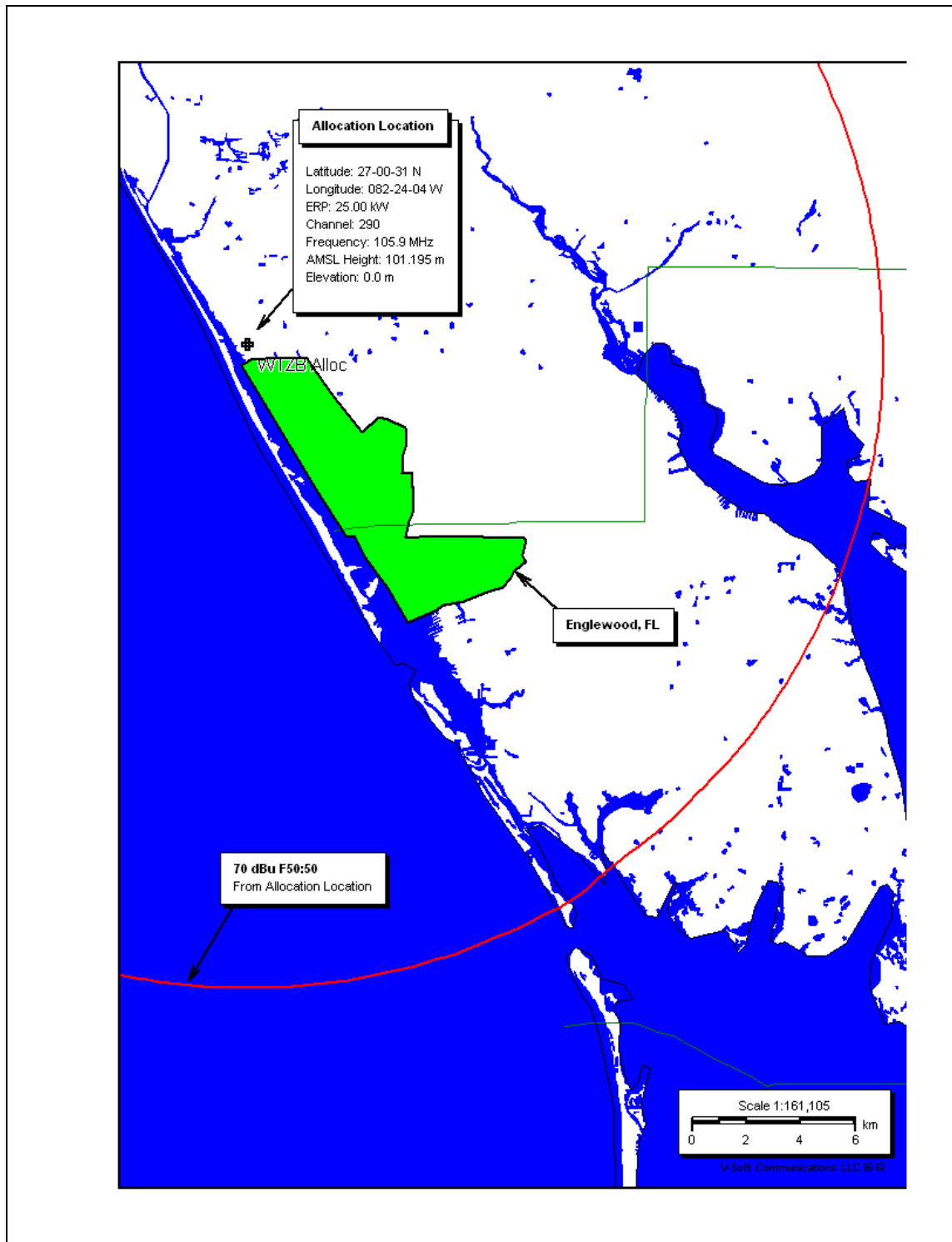
### 73.215 Contour Map



**Allocation Location Spacing Report**

ComStudy 2.2 search of channel 290 (105.9 MHz Class C3) at 27-00-31.0 N, 82-24-04.0 W.								
Callsign	City	Chanl	ERP_w	Class	Status	Dist_km	Sep	Clr
WTZB	ENGLEWOOD	290	4300	A	LIC	10.57	142	-131.4
WOCL	DELAND	290	96000	C	LIC	237.02	237	0
WWLL	SEBRING	289	19000	C3	LIC	99.81	99	0.8
WOCL	DELAND	290	96000	C	CP	237.02	237	0
WCTQ	SARASOTA	293	5000	C2	LIC	61.85	56	5.9
WCTQ	SARASOTA	293	13000	C2	LIC	61.85	56	5.9
WZSP	NOCATEE	287	4100	A	LIC	48.83	42	6.8
WJPT	FORT MYERS	292	50000	C2	LIC	74.37	56	18.4
WBGG-FM	FORT LAUDERDALE	290	27500	C0	LIC	245.77	226	19.8
WOLZ	FORT MYERS	237	0	C1	USE	43.7	24	19.7

## Coverage Map of Principal Community from Allocation Location



Coverage Map of Principal Community from Antenna Location

