

Page #1, Waiver Request of Section 74.1204

W205BJ 13 Watts ERP

Calvary Chapel of Twin Falls, Inc. 8/2004

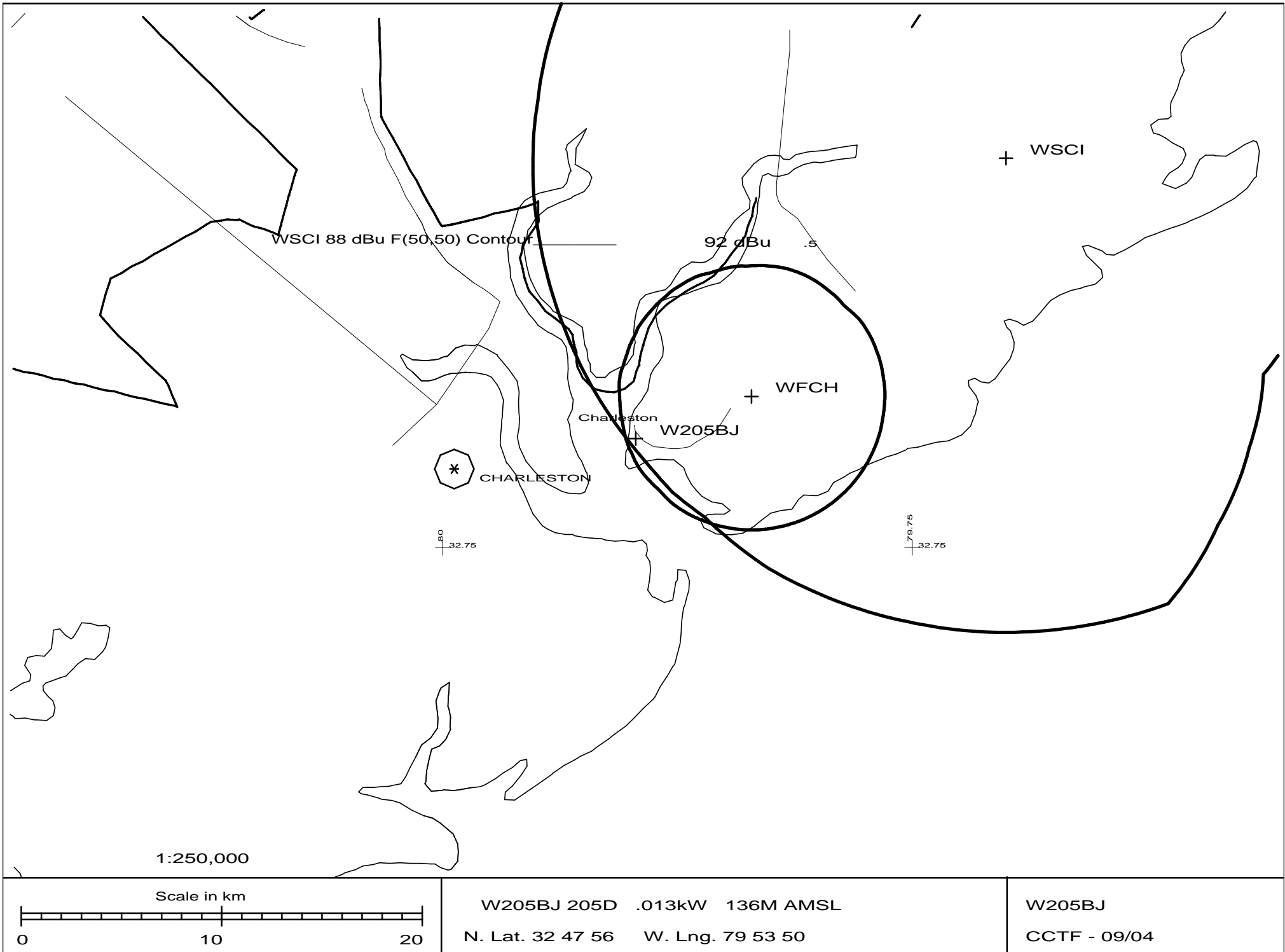
The proposed site is contained entirely inside the service contour of second-adjacent stations WFCH, Charleston, SC and WSCI, Charleston, SC

WFCH.LIC

The proposed site is contained entirely inside the service contour of second-adjacent Station WFCH, Channel 203, Class C2, 29.5 kW, Charleston, SC. As shown by the map on **page #2** of this waiver request, the level of the second-adjacent station WFCH arriving protected F(50,50) signal at the proposed transmitter site 92-dBu. Using the Undesired-to-Desired method for calculating proposed interference (the basis of the FCC current contour overlap regulations and an acceptable method for the purposes of determining lack of interference for an FM Translator), the proposed interfering contour with respect to WFCH is 132-dBu (free-space contour method employed). This means that the 132-dBu interfering signal would, in the worst case, extend 6 meters from the center of radiation, which is proposed at 134 meters AGL. This interference does not reach the ground. The tower is located at 210 W COLEMAN BLVD, which is not in a highly population area. There are no buildings located close enough that would penetrate this interference contour beginning at 128 meters AGL. Since no population inhabits this interfering area, Calvary Chapel of Twin Falls, Inc. respectfully requests a waiver of the FM translator contour overlap regulations with respect to second-adjacent channel station WFCH.

WSCI.LIC

The proposed site is contained entirely inside the service contour of second-adjacent Station WSCI, Channel 207, Class C, 97 kW, Charleston, SC. As shown by the map on **page #2** of this waiver request, the level of the second-adjacent station WSCI arriving protected F(50,50) signal at the proposed transmitter site 88-dBu. Using the Undesired-to-Desired method for calculating proposed interference (the basis of the FCC current contour overlap regulations and an acceptable method for the purposes of determining lack of interference for an FM Translator), the proposed interfering contour with respect to WSCI is 128-dBu (free-space contour method employed). This means that the 128-dBu interfering signal would, in the worst case, extend 10 meters from the center of radiation, which is proposed at 134 meters AGL. This interference does not reach the ground. The tower is located at 210 W COLEMAN BLVD, which is not in a highly population area. There are no buildings located close enough that would penetrate this interference contour beginning at 124 meters AGL. Since no population inhabits this interfering area, Calvary Chapel of Twin Falls, Inc. respectfully requests a waiver of the FM translator contour overlap regulations with respect to second-adjacent channel station WSCI.



TERRAIN AND CONTOUR DATA

W205BJ, CHARLESTON, SC

9/1/2004

N. Lat. = 32 47 56 W. Lng. = 79 53 50

HAAT and Distance to Contour - FCC Method - 03 Arc Sec.

W205BJ, Calvary Chapel Of Twin Falls,, BLFT19990524UA

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	2.8	133.2	0.0130	-18.86	1.000	7.14
030	1.3	134.7	0.0130	-18.86	1.000	7.17
060	3.4	132.6	0.0130	-18.86	1.000	7.12
090	1.0	135.0	0.0130	-18.86	1.000	7.18
120	0.3	135.7	0.0130	-18.86	1.000	7.20
150	0.0	136.0	0.0130	-18.86	1.000	7.21
180	0.1	135.9	0.0130	-18.86	1.000	7.21
210	1.7	134.3	0.0130	-18.86	1.000	7.17
240	2.1	133.9	0.0130	-18.86	1.000	7.16
270	2.4	133.6	0.0130	-18.86	1.000	7.15
300	3.0	133.0	0.0130	-18.86	1.000	7.13
330	1.8	134.2	0.0130	-18.86	1.000	7.16

Ave El= 1.65 M HAAT= 134.35 M AMSL= 136M