

**Non-Interference Compliance for  
Calvary Chapel Church**  
Regarding Facility ID 138531 Channel 242

**Description of Exhibit 12 Contents**

This exhibit demonstrates that the proposed facility complies with contour overlap and interference protection provisions in all of the applicable rule sections and that this application for a construction permit is in full compliance with 47 C.F.R. § 74.1204. The applicant acknowledges that it will comply with 47 C.F.R. § 74.1203 in regards to resolving any interference that may occur.

Page 2 of this exhibit is an explanation of the method used to demonstrate compliance with contour overlap and interference provisions based on 47 C.F.R. § 74.1204(d), which states:

*[A]n application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to intervening terrain, lack of population or such other factors as may be applicable.*

Page 3 contains a tabulation of the vertical radiation pattern of the proposed antenna and the minimum ground clearance of the interfering contour based on this pattern.

Page 4 includes tabulations of the vertical radiation pattern for the proposed antenna provided by the antenna manufacturer.

Page 5 of this exhibit contains the tabulated data from the interference analysis, which shows all stations whose protected contours come within 50 km of the 34 dBμ F(50,10) contour of the proposed translator. These tabulated values were calculated using data from the FCC's CDBS files and 30 arc second terrain data. The column labeled "Adj" shows the number of channels difference between the entry and the proposed translator. The column labeled "Dist" shows the distance in km.

Page 6 of this exhibit is a portion of a USGS 1:24,000 scale 7.5 minute quadrangle at full scale with the calculated area of interference overlaid. The sheet includes the quadrangle name and measurement scale at the bottom. The area of interference was calculated using the free space equation and 120 radials.

Page 7 of this exhibit is a high resolution aerial photo of the vicinity surrounding the proposed translator's tower site provided by the U.S. Geological Survey's National Aerial Photography Program. It has been included to provide clarification of the vicinity.

## Compliance with 47 C.F.R. § 74.1204(d)

All authorized second and third adjacent stations with which the proposed translator has contour overlap are tabulated below. Column four show the station's signal level at the proposed translator's tower site, and column five gives the minimum value within the entire standard interfering contour of the proposed translator (100 dBμ for most classes, 94 for class B, 97 for class B1). The minimum second or third adjacent F(50,50) contour within the proposed translator's standard interfering contour was used to calculate the proposed translator's actual "worst-case" interfering contour.

Application ID	File Number	Callsign	Contour at Tower	Min. Contour
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This instant application does not interfere with second and third adjacent stations at any location on the ground or above the ground. As such, no request for a waiver based on FCC 02-244 is needed.<sup>1</sup>

<b>Antenna Manufacturer:</b>	<b>Nicomm</b>
<b>Antenna Model:</b>	<b>BKG77</b>
<b>CORAGL:</b>	<b>31 m</b>
<b>Maximum ERP:</b>	<b>0.250 kW</b>
<b>Interfering Contour:</b>	<b>N/A dBμ</b>
<b>Max Int. Contour Distance:</b>	<b>N/A m</b>
<b>Ground Clearance:</b>	<b>N/A m</b>

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Facility ID	File Number	Callsign	Licensee	Sts	City	St	Cls	ERP	AMSL	Ch	Adj	Dist
85933	BLFT20091210ABB	W240CI	NORTH PALM BEACH BROADCASTING, INC.	LIC	NORTH PALM BEACH	FL	D	250	139	240	-2	14.95
85933	BPFT20120917ADD	W240CI	NORTH PALM BEACH BROADCASTING, INC.	CP	NORTH PALM BEACH	FL	D	250	124	240	-2	18.96
138734	BLFT20061228AAQ	W241AX	REACH COMMUNICATIONS, INC.	LIC	BOCA RATON	FL	D	13	129	241	-1	54.89
138734	BPFT20110204AGH	W241AX	REACH COMMUNICATIONS, INC.	CP	BOCA RATON	FL	D	250	139	241	-1	54.89
22646	BLFT19940216TD	W242AC	FRIENDS BROADCASTING, INC.	LIC	PORT ST. LUCIE	FL	D	10	143	242	0	47.82
76167	BLFT20110506ABD	W242AK	RADIO TRAINING NETWORK, INC.	LIC	LAKELAND	FL	D	250	91	242	0	223.7
85974	BLFT19981211TA	W244BD	WAY MEDIA INC	LIC	STUART	FL	D	800	44	244	2	34.45
139096	BLFT20081009AGM	W244BK	REACH COMMUNICATIONS, INC.	LIC	TWENTYMILE BEND	FL	D	80	55	244	2	18.6
153406	BLFT20070918AAO	W245AY	NATIONAL CHRISTIAN NETWORK INC	LIC	PALM SPRINGS	FL	D	45	50	245	3	34.21
153406	BPFT20130131AIC	W245AY	NATIONAL CHRISTIAN NETWORK INC	CP	PALM SPRINGS	FL	D	250	50	245	3	34.21
85968	BLFT20101115FKT	W295BJ	NORTH PALM BEACH BROADCASTING, INC.	LIC	JUPITER	FL	D	190	169	295	53	12.15
82621	BLFT19970507TJ	W296AW	BLACK MEDIA WORKS, INC.	LIC	MANGONIA PARK	FL	D	10	161	296	54	18.96
82621	BPFT20130301AGD	W296AW	BLACK MEDIA WORKS, INC.	CP	MANGONIA PARK	FL	D	250	159	296	54	18.96
23443	BXPH20110112ADD	WDBO-FM	COX RADIO, INC.	CP	ORLANDO	FL	C	96400	400	243	1	203.71
23443	BLH20011219AAC	WDBO-FM	COX RADIO, INC.	LIC	ORLANDO	FL	C	99000	463	243	1	203.71
22094	BLH20060727AAL	WINK-FM	FORT MYERS BROADCASTING COMPANY	LIC	FORT MYERS	FL	C	98000	465	245	3	163.78
73893	BXLH20050114AED	WPOW	WPOW LICENSE LIMITED PARTNERSHIP	LIC	MIAMI	FL	C	65730	215	243	1	106.84
73893	BLH20050301ACH	WPOW	WPOW LICENSE LIMITED PARTNERSHIP	LIC	MIAMI	FL	C	98000	308	243	1	106.84
73976	BMLH20000928ABL	WRXK-FM	WRXK LICENSE LIMITED PARTNERSHIP	LIC	BONITA SPRINGS	FL	C	100000	343	241	-1	160.3
59536	BPH20111229ABV	WSJZ-FM	CUMULUS LICENSING LLC	CP	SEBASTIAN	FL	C3	21500	112	240	-2	114.87
59536	BLH20010405AAB	WSJZ-FM	CUMULUS LICENSING LLC	LIC	SEBASTIAN	FL	C3	25000	94	240	-2	110.31
48368	BLH20100420AIC	WXDJ	NORTH MIAMI BEACH	LIC	NORTH MIAMI BEACH	FL	C2	40000	170	239	-3	128.14

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