

Special Displacement Window Application

LPTV or Translator Facility: W17DG-D Facility ID 4332 Miami, FL
Licensed Ch. 17 File# BLDTL-20110113AAB

Nature of Displacement: Interference caused to WPMF-CD Repack Ch. 17 Miami FL
Interference received from WPMF-CD Repack Ch. 17 Miami FL
TVStudy Displacement summary in Table 1

Proposed Facility: Ch. 18 15 kW ERP directional (azimuth pattern in Figure 1)

Modification Compliance: 2.1 km from licensed site
Contour comparison in Figure 2
TVStudy Analysis report in Table 2

Contingent Application Rule: Waiver of §73.3700(g)(2)(i) requested
Operation on proposed channel will not commence until the
following station discontinues operation on its current channel:
WPBT Ch. 18 Miami FL (repacked to Ch. 29, phase 2)
The applicant will accept a corresponding special operating
condition on the CP authorization.

RF Exposure: The calculated signal density near the tower at two meters above
ground level attributable to the proposed facility is 2.3 percent of
the general population/uncontrolled maximum permitted exposure
limit. Calculations conducted pursuant to FCC OET Bulletin
Number 65 and incorporate the worst-case of 100 percent relative
field at downward angles. This is below the five percent
threshold limit described in §1.1307(b) regarding sites with
multiple emitters, categorically excluding the applicant from
responsibility for taking any corrective action in the areas where
the proposal's contribution is less than five percent.

Chesapeake RF Consultants, LLC

Joseph M. Davis, P.E. May 7, 2018
207 Old Dominion Road Yorktown, VA 23692 703-650-9600

**Azimuth Pattern - Relative Field
(True North)**

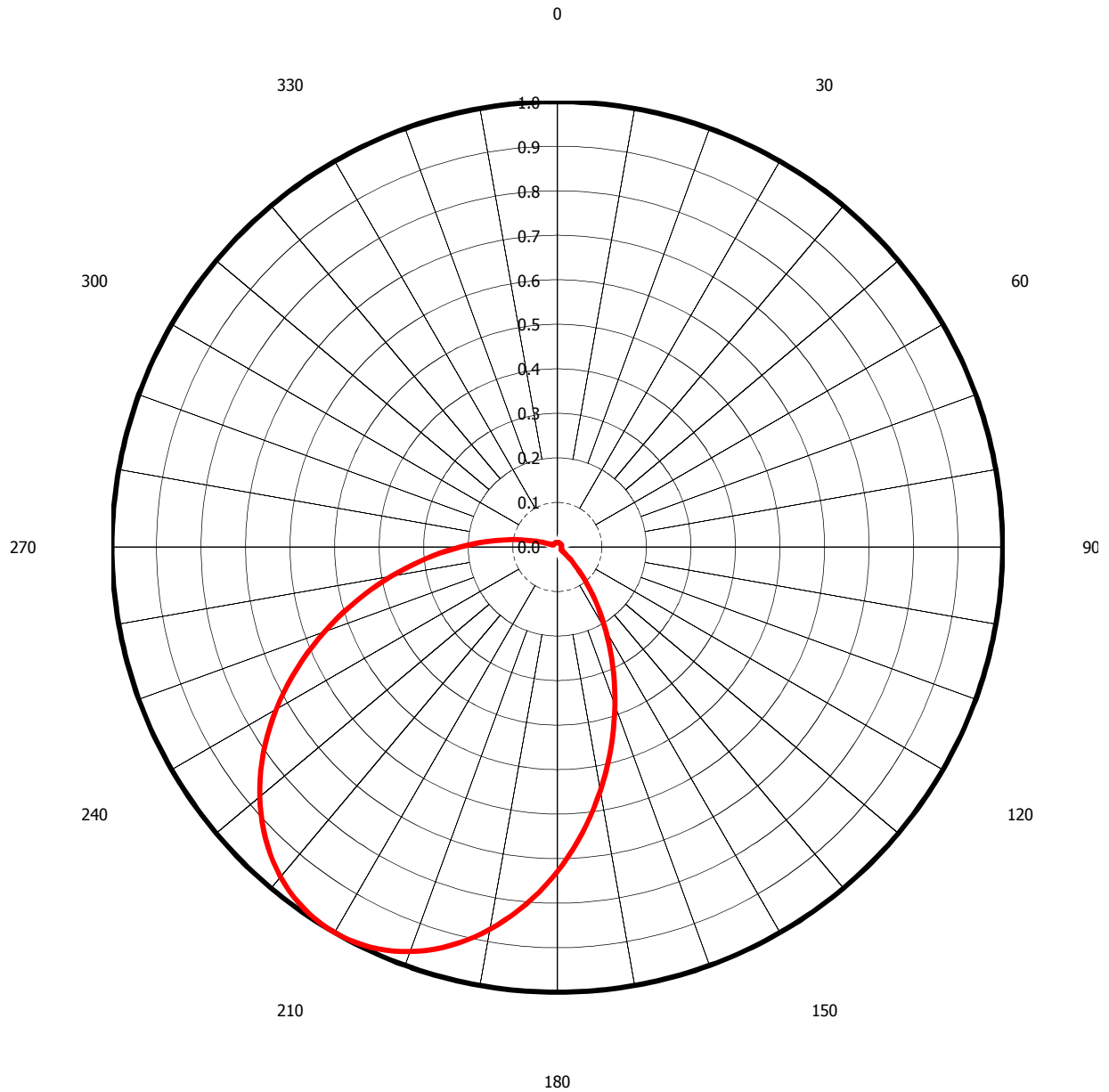
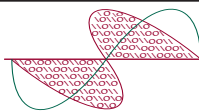


Figure 1
Antenna Azimuthal Pattern
W17DG-D Miami, FL
Facility ID 4332
Ch. 18 (digital) 15 kW

prepared for
KRCA License LLC

May, 2018



Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Belle Glade

Palm Beach

West Palm Beach

Lake Worth

Boynton Beach

Delray Beach

Boca Raton

Deerfield Beach

Coral Springs

Tamarac

Oakland Park

Broward

Fort Lauderdale

Davie

Dania

Hollywood

Carol City

Opa-Locka

North Miami

Hialeah

Miami Springs

Westchester

Coral Gables

Kendall

Dade

South Miami Heights

Homestead

Hendry

Immokalee

Collier

Licensed Ch. 17
BLDTL-20110113AAB
51 dBμ Contour

Proposed Ch. 18
51 dBμ Contour

Monroe

Figure 2
Coverage Contour Comparison
W17DG-D Miami, FL
Facility ID 4332
Ch. 18 (digital) 15 kW

prepared for
KRCA License LLC

May, 2018

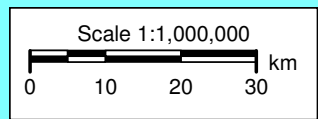


Table 1 W17DG-D Ch. 17 TVStudy Displacement Summary
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Interference caused to WPMF-CD Repack Ch. 17 Miami FL

Interference to BLANK0000033794 CP scenario 1

**IX: 58.30% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPMF-CD	D17	DC	CP	MIAMI, FL	BLANK0000033794	
Undesireds:	W17DG-D	D17	LD	LIC	MIAMI, FL	BLDTL20110113AAB	3.4 km
	WTCN-CA	D17	DC	CP	PALM BEACH, FL	BLANK0000033632	117.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
6829.8 4,286,971		6829.8 4,286,971		6678.3 4,204,011		3612.9 1,753,115	45.90 58.30
Undesired				Total IX	Unique IX, before	Unique IX, after	
W17DG-D D17 LD LIC		3065.3	2,450,896			3065.3 2,450,896	
WTCN-CA D17 DC CP		151.5	82,960		151.5 82,960	151.5 82,960	

Interference received from WPMF-CD Repack Ch. 17 Miami FL

Interference to proposal scenario 1

98.19% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17DG-D	D17	LD	LIC	MIAMI, FL	BLDTL20110113AAB	
Undesireds:	W16CA-D	D16	LD	LIC	LAYTON, FL	BLANK0000001634	92.5 km
	W16CC-D	D16	LD	LIC	WEST GATE, FL	BLDTL20101112AQD	2.1
	WPMF-CD	D17	DC	CP	MIAMI, FL	BLANK0000033794	3.4
Service area		Terrain-limited		IX-free		Percent IX	
3188.3 2,911,676		3188.3 2,911,676		19.7 52,842		99.38 98.19	
Undesired				Total IX	Unique IX	Prct Unique IX	
W16CC-D D16 LD LIC		29.6	51,360		0.0 0	0.00 0.00	
WPMF-CD D17 DC CP		3168.6	2,858,834		3138.9 2,807,474	98.45 96.42	

Table 2 W17DG-D TVStudy Analysis of Proposal
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tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: W17DG-D to 18 relo repack, Model: Longley-Rice
Start: 2018.05.06 17:31:36

Study created: 2018.05.06 17:31:36

Study build station data: LMS TV 2018-05-06

Proposal: W17DG-D D18 LD APP MIAMI, FL
File number: W17DG-D to 18 relo
Facility ID: 4332
Station data: User record
Record ID: 2042
Country: U.S.

Search options:
Baseline record excluded if station has CP
All APP records excluded

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WPMF-CD	D17	DC	CP	MIAMI, FL	BLANK0000033794	5.5 km
No	WTCN-CA	D17	DC	CP	PALM BEACH, FL	BLANK0000033632	114.8
No	WESH	D18	LD	LIC	DAYTONA BEACH, FL	BLCDT20130722ABS	346.1
Yes	WTCE-TV	D18	DT	CP	FORT PIERCE, FL	BLANK0000034883	114.8
No	WMOR-TV	D18	DT	CP	LAKELAND, FL	BLANK0000034551	289.8
No	W18DU-D	D18	LD	CP	MARATHON, FL	BNPDTL20090825BYR	158.0
No	WUVF-LD	D18	LD	LIC	NAPLES, FL	BLDTL20140313ABX	164.9
No	W18EA-D	D18	LD	CP	SEBASTIAN, FL	BNPDTL20100402ACV	198.0
No	WSBS-CD	D19	DC	CP	MIAMI, ETC., FL	BLANK0000034105	2.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D18
Mask: Full Service
Latitude: 25 59 35.30 N (NAD83)
Longitude: 80 10 26.00 W
Height AMSL: 262.4 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: MCI-955514 (ID 20068) 210.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

49.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.002 kW	260.9 m	10.6 km
45.0	0.002	261.9	10.6
90.0	0.002	262.1	10.6
135.0	0.050	262.0	25.5
180.0	7.97	260.5	52.1
225.0	12.7	260.7	54.6
270.0	0.713	260.3	39.4
315.0	0.002	260.7	10.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 261 m

Distance to Canadian border: 1755.1 km

Distance to Mexican border: 1672.5 km

Conditions at FCC monitoring station: Vero Beach FL
Bearing: 345.8 degrees Distance: 185.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Table 2 W17DG-D TVStudy Analysis of Proposal
(page 2 of 2)



Bearing: 310.4 degrees Distance: 2796.8 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

Study cell size: 1.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

Interference to BLANK0000034883 CP scenario 1

Desired:	Call WTCE-TV	Chan D18	Svc DT	Status CP	City, State FORT PIERCE, FL	File Number BLANK0000034883	Distance		
Undesireds:	W17DG-D	D18	LD	APP	MIAMI, FL	W17DG-D to 18 relo	114.8 km		
	WMOR-TV	D18	DT	CP	LAKE LAND, FL	BLANK0000034551	223.6		
	WSBS-CD	D19	DC	CP	MIAMI, ETC., FL	BLANK0000034105	115.5		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
24302.5	2,660,365	24302.5	2,660,365	24292.6	2,658,907	24292.6	2,658,907	0.00	0.00
Undesired				Total IX		Unique IX, before		Unique IX, after	
W17DG-D	D18	LD	APP	2.0	1,418	0.0	0		
WMOR-TV	D18	DT	CP	3.0	40	3.0	40		
WSBS-CD	D19	DC	CP	6.9	1,418	6.9	1,418	4.9	0

Interference to proposal scenario 1
16.56% interference received

Desired:	Call W17DG-D	Chan D18	Svc LD	Status APP	City, State MIAMI, FL	File Number W17DG-D to 18 relo	Distance
Undesireds:	WPMF-CD	D17	DC	CP	MIAMI, FL	BLANK0000033794	5.5 km
	WTCE-TV	D18	DT	CP	FORT PIERCE, FL	BLANK0000034883	114.8
	WSBS-CD	D19	DC	CP	MIAMI, ETC., FL	BLANK0000034105	2.1
Service area		Terrain-limited			IX-free	Percent IX	
3240.2	2,886,064	3240.2	2,886,064	2566.7	2,408,175	20.78	16.56
Undesired				Total IX	Unique IX	Prcnt Unique IX	
WPMF-CD	D17	DC	CP	147.0	152,150	0.0	0.00
WTCE-TV	D18	DT	CP	190.5	224,571	0.0	0.00
WSBS-CD	D19	DC	CP	673.5	477,889	480.0	14.82
						248,205	8.60