

NewBern27_summary
Summary Study

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
Census data selected 2000
Data Base Selected
./data_files/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-13-2011 Time: 09:17:51

Record Selected for Analysis

20100209 USERRECORD-01 NEW BERN NC US
Channel 27 ERP 3. kw HAAT 46. m RCAMSL 00053 m STRINGENT MASK
Latitude 034-53-33 Longitude 0076-56-09
Status APP Zone 2 Border Site number: 01
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 160.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station
Service Class = LD
Maximum height/power limits not checked

Site number 1			
Azimuth (Deg)	ERP (kw)	HAAT (m)	51.0 dBu F(50,90) (km)
0.0	0.000	50.1	2.9
45.0	0.000	49.4	3.2
90.0	0.069	48.6	10.9
135.0	2.224	47.0	25.0
180.0	2.512	45.4	25.1
225.0	0.169	43.1	12.7
270.0	0.001	42.0	3.2
315.0	0.000	45.9	2.8

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

LANDMOBILE SPACING VIOLATIONS FOUND

NONE from Site # 01

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Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
27	20100209	NEW BERN NC	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	W26DW-D	KINSTON NC	67.0	CP MOD	BMPDTL	-20101102ACU
26	W26DR-D	WILMINGTON NC	159.0	CP	BNPDTL	-20090825AEP
27	WCCB	CHARLOTTE NC	348.0	LIC	BLCDT	-20020227AAZ
27	WLFL	RALEIGH NC	168.6	CP MOD	BMPCDT	-20080620AJP
27	W27DB-D	SHALLOTTE NC	159.0	CP	BDCCDTL	-20061027AFS
27	W27DI-D	MYRTLE BEACH SC	242.1	CP	BNPDTL	-20090825AVA
27	WVBN-LP	VIRGINIA BEACH VA	225.0	CP	BDISDTL	-20091106ADI
28	WRDC	DURHAM NC	169.3	CP MOD	BMPCDT	-20080620AJU
28	W28CJ	MANTEO NC	158.9	LIC	BLTTL	-20050118ACG
28	NEW	NEW BERN NC	29.3	APP	BNPDTL	-20100209AAQ
28	NEW	WILMINGTON NC	116.3	APP	BNPDTL	-20100422AAI

[illegible]

Study of this proposal found the following interference problem(s):

The following station failed the de minimis interference criteria.

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27D NC NEW BERN                                USERRECORD01
ERP      3.00 kw HAAT      46.0 m RCAMSL      53.0 m
Antenna usr USRPAT01

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Due to interference to the following station and scenario: 1

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28D NC NEW BERN BNPDTL 20100209AAQ
ERP 2.00 kw HAAT 88.0 m RCAMSL 88.0 m
Antenna CDB 9999999999999999
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Percent new interference from proposal: 3.6800 to BNPDTL 20100209AAQ

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Proposed station is MX
27A NC NEW BERN      USERRECORD01      APP
28A NC NEW BERN      BNPDTL      20100209AAQ  APP

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