

OET-69 Interference Analysis (K45KM-D, Bend, OR, Ch. 45) (Summary Results)

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
TW Census data selected 2000
Data Base Selected
/export/home/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-01-2012

Record Selected for Analysis

K45KM-D USERRECORD-01 BEND OR US
Channel 45 ERP 15. kW HAAT 193. m RCAMSL 01328 m FULL SERVICE MASK
Latitude 044-04-40 Longitude 0121-19-49
Status APP Zone 2 Border Site number: 01
Dir Antenna Make CDB Model 0000000104873 Beam tilt N Ref Azimuth 85.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 0.20 km

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

Site number	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	4.261	338.0	50.7
45.0	13.029	311.6	55.3
90.0	12.531	272.9	52.9
135.0	14.761	182.2	48.7
180.0	2.388	112.7	34.7
225.0	0.135	53.2	13.4
270.0	0.214	33.0	11.8
315.0	0.389	242.1	33.1

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

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

OET-69 Interference Analysis (K45KM-D, Bend, OR, Ch. 45) (Summary Results)

Channel	Proposed Station		ARN
45	Call	City/State	USERRECORD01
	K45KM-D	BEND OR	

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	KBND-LP	BEND OR	0.2	LIC	BLTT	-20041025AEO
42	K42BR	TERREBONNE-BEND, ETC OR	42.0	LIC	BLTTL	-19880729IU
44	K44JP-D	COTTAGE GROVE OR	141.0	LIC	BLDTT	-20091029ABP
44	K44AH-D	PRINEVILLE, ETC. OR	50.0	LIC	BLDTT	-20120504ABG
44	KOXO-LD	VANCOUVER WA	195.6	LIC	BLDTL	-20100510AXT
45	K45KX-D	WEED CA	306.3	CP	BNPDTL	-20090825ASA
45	K45CV	CORVALLIS OR	138.0	LIC	BLTT	-19930604IG
45	K45KE-D	JACKSONVILLE OR	231.5	LIC	BLDTT	-20091118ACA
45	K45ME-D	LA GRANDE OR	310.2	LIC	BLDTT	-20120625ABX
45	KNMT	PORTLAND OR	194.4	LIC	BLCDT	-20060619AAM
45	KTCW	ROSEBURG OR	190.2	LIC	BLCDT	-20030618ABF
45	NEW	CENTERVILLE WA	181.1	APP	BNPDTL	-20100513ADY
45	K60GV-D	MALTY WA	384.1	APP	BDISDTL	-20110302ABQ
45	K45LO-D	TOKELAND WA	363.2	CP	BNPDTL	-20100222AAY
45	K45AC	WENATCHEE WA	362.5	LIC	BLTT	-19940914JD
46	K46IP-D	COTTAGE GROVE OR	141.0	LIC	BLDTT	-20090330AAN
46	NEW	EUGENE OR	142.9	APP	BNPDTL	-20090825AXF
46	KGWZ-LD	PORTLAND OR	195.6	LIC	BLDTL	-20100903AAJ
46	K46AK-D	PRINEVILLE, ETC. OR	50.0	LIC	BLDTT	-20111213ACQ
46	K46KS-D	ROSEBURG OR	190.1	LIC	BLDTT	-20110218ABJ
46	K46KS-D	ROSEBURG OR	190.1	APP	BDISTT	-20090501APM
48	K48BL	TERREBONNE-BEND, ETC OR	42.0	LIC	BLTTA	-20010711ABF
52	K52CH	MAUPIN OR	124.6	LIC	BLTT	-19980427JD
53	K53JV	BEND OR	0.2	LIC	BLTT	-20071024ABG

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	KBND-LP	BEND OR	BLTT	-20041025AEO

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	K42BR	TERREBONNE-BEND, ETC OR	BLTTL	-19880729IU

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	K44JP-D	COTTAGE GROVE OR	BLDTT	-20091029ABP

Stations Potentially Affecting This Station

Proposed station is beyond the site to

OET-69 Interference Analysis (K45KM-D, Bend, OR, Ch. 45) (Summary Results)

nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	K44AH-D	PRINEVILLE, ETC. OR	BLDTT	-20120504ABG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
43	KUBN-LD	BEND OR	26.7	LIC	BLDTL	-20120327ADM
43	KUBN-LD	BEND OR	22.2	CP	BPDTT	-20120406ABC
44	KVEW	KENNEWICK WA	233.6	LIC	BLCDDT	-20090326ACW
44	KFFV	SEATTLE WA	368.3	LIC	BLCDDT	-20110624ADC
44	KOXO-LD	VANCOUVER WA	185.4	LIC	BLDTL	-20100510AXT
45	K45KM-D	BEND OR	50.0	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1

Scenario 1 Affected station 4

Before Analysis

Results for: 44A OR PRINEVILLE, ETC. BLDTT 20120504ABG LIC
 HAAT 775.0 m, ATV ERP 0.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	46729	2811.5
not affected by terrain losses	45055	2567.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2	8.8
lost to ATV IX only	2	8.8
lost to all IX	2	8.8

Potential Interfering Stations Included in above Scenario 1

43A OR BEND BLDLTL 20120327ADM LIC

After Analysis

Results for: 44A OR PRINEVILLE, ETC. BLDTT 20120504ABG LIC
 HAAT 775.0 m, ATV ERP 0.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	46729	2811.5
not affected by terrain losses	45055	2567.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16	9.8
lost to ATV IX only	16	9.8
lost to all IX	16	9.8

Potential Interfering Stations Included in above Scenario 1

43A OR BEND BLDLTL 20120327ADM LIC
 45A OR BEND USERRECORD01 APP

Percent new IX = 0.0311%

Worst case new IX 0.0311% Scenario 1

#####

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
44	KOXO-LD	VANCOUVER WA	BLDTL	-20100510AXT

OET-69 Interference Analysis (K45KM-D, Bend, OR, Ch. 45) (Summary Results)

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	K45KX-D	WEED CA	BNPDTL	-20090825ASA

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	K45CV	CORVALLIS OR	BLTT	-19930604IG

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	K45KE-D	JACKSONVILLE OR	BLDTT	-20091118ACA

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	K45ME-D	LA GRANDE OR	BLDTT	-20120625ABX

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	KNMT	PORTLAND OR	BLCDT	-20060619AAM

Stations Potentially Affecting This Station

Proposal causes no interference

OET-69 Interference Analysis (K45KM-D, Bend, OR, Ch. 45) (Summary Results)

#####

Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	KTCW	ROSEBURG OR	BLCDT	-20030618ABF

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	NEW	CENTERVILLE WA	BNPDTL	-20100513ADY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
45	KCDT	COEUR D'ALENE ID	391.9	LIC	BLEDT	-20090827ABV
45	K45CV	CORVALLIS OR	207.0	LIC	BLTT	-19930604IG
45	KNMT	PORTLAND OR	142.8	LIC	BLCDT	-20060619AAM
45	KTCW	ROSEBURG OR	336.9	LIC	BLCDT	-20030618ABF
45	K60GV-D	MALTBY WA	218.2	APP	BDISDTL	-20110302ABQ
45	K45AC	WENATCHEE WA	181.4	LIC	BLTT	-19940914JD
46	NEW	YAKIMA WA	100.2	APP	BNPDTL	-20090827ABB
45	K45KM-D	BEND OR	181.1	APP	USERRECORD-01	

Total scenarios = 1

Result key:

2

Scenario 1 Affected station 12
Before Analysis

Results for: 45A WA CENTERVILLE BNPDTL 20100513ADY APP

	POPULATION	AREA (sq km)
HAAT 738.0 m, ATV ERP 1.0 kW		
within Noise Limited Contour	39526	7200.4
not affected by terrain losses	37769	6459.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2	43.2
lost to ATV IX only	2	43.2
lost to all IX	2	43.2

Potential Interfering Stations Included in above Scenario 1

45A OR PORTLAND BLCDT 20060619AAM LIC

After Analysis

Results for: 45A WA CENTERVILLE BNPDTL 20100513ADY APP

	POPULATION	AREA (sq km)
HAAT 738.0 m, ATV ERP 1.0 kW		
within Noise Limited Contour	39526	7200.4
not affected by terrain losses	37769	6459.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3	56.9
lost to ATV IX only	3	56.9
lost to all IX	3	56.9

Potential Interfering Stations Included in above Scenario 1

45A OR PORTLAND BLCDT 20060619AAM LIC
45A OR BEND USERRECORD01 APP

OET-69 Interference Analysis (K45KM-D, Bend, OR, Ch. 45) (Summary Results)

Percent new IX = 0.0026%

Worst case new IX 0.0026% Scenario 1

#####

Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
45	K60GV-D	MALTBY WA	BDISDTL -20110302ABQ

Stations Potentially Affecting This Station

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
45	K45LO-D	TOKELAND WA	BNPDTL -20100222AAY

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
45	K45AC	WENATCHEE WA	BLTT -19940914JD

Stations Potentially Affecting This Station

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application Ref. No.
46	K46IP-D	COTTAGE GROVE OR	BLDTT -20090330AAN

Stations Potentially Affecting This Station

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
46	NEW	EUGENE OR	BNPDTL -20090825AXF

OET-69 Interference Analysis (K45KM-D, Bend, OR, Ch. 45) (Summary Results)

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
46	KGWZ-LD	PORTLAND OR	BLDTL	-20100903AAJ

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
46	K46AK-D	PRINEVILLE, ETC. OR	BLDTT	-20111213ACQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	KGWZ-LD	PORTLAND OR	185.4	LIC	BLDTL	-20100903AAJ
46	NEW	YAKIMA WA	235.6	APP	BNPDTL	-20090827ABB
47	K47LM-D	PRINEVILLE, ETC. OR	0.0	LIC	BLDTT	-20100511ACM
45	K45KM-D	BEND OR	50.0	APP	USERRECORD-01	

Total scenarios = 1

Result key: 3
Scenario 1 Affected station 19
Before Analysis

Results for: 46A OR PRINEVILLE, ETC. BLDTT 20111213ACQ LIC
HAAT 781.0 m, ATV ERP 1.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	108499	5287.8
not affected by terrain losses	104270	4770.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 46A OR PRINEVILLE, ETC. BLDTT 20111213ACQ LIC
HAAT 781.0 m, ATV ERP 1.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	108499	5287.8
not affected by terrain losses	104270	4770.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	612	30.4
lost to ATV IX only	612	30.4
lost to all IX	612	30.4

Potential Interfering Stations Included in above Scenario 1

45A OR BEND USERRECORD01 APP

Percent new IX = 0.5869%

OET-69 Interference Analysis (K45KM-D, Bend, OR, Ch. 45) (Summary Results)

Worst case new IX 0.5869% Scenario 1

#####

Analysis of Interference to Affected Station 20

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
46	K46KS-D	ROSEBURG OR	BLDTT	-20110218ABJ

Stations Potentially Affecting This Station

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
46	K46KS-D	ROSEBURG OR	BDISTT	-20090501APM

Stations Potentially Affecting This Station

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 22

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	K48BL	TERREBONNE-BEND, ETC OR	BLTTA	-20010711ABF

Stations Potentially Affecting This Station

Proposal causes no interference

#####

Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
52	K52CH	MAUPIN OR	BLTT	-19980427JD

Stations Potentially Affecting This Station

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 24

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
53	K53JV	BEND OR	BLTT	-20071024ABG

Stations Potentially Affecting This Station

OET-69 Interference Analysis (K45KM-D, Bend, OR, Ch. 45) (Summary Results)

Proposal causes no interference

#####

Analysis of Interference to Affected Station 25

Analysis of current record

Channel	Call	City/State	Application Ref. No.
45	K45KM-D	BEND OR	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
44	K44AH-D	PRINEVILLE, ETC. OR	50.0	LIC	BLDTT -20120504ABG
45	K45CV	CORVALLIS OR	138.0	LIC	BLTT -19930604IG
45	KNMT	PORTLAND OR	194.4	LIC	BLCDT -20060619AAM
45	KTCW	ROSEBURG OR	190.2	LIC	BLCDT -20030618ABF
45	NEW	CENTERVILLE WA	181.1	APP	BNPDTL -20100513ADY
46	K46AK-D	PRINEVILLE, ETC. OR	50.0	LIC	BLDTT -20111213ACQ

Total scenarios = 1

Result key: 4
 Scenario 1 Affected station 25
 Before Analysis

Results for: 45A OR BEND USERRECORD01 APP

HAAT 193.0 m, ATV ERP 15.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	126508	4954.7
not affected by terrain losses	123234	4602.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6721	198.0
lost to ATV IX only	6721	198.0
lost to all IX	6721	198.0

Potential Interfering Stations Included in above Scenario 1

44A OR PRINEVILLE, ETC.	BLDTT	20120504ABG	LIC
45A OR PORTLAND	BLCDT	20060619AAM	LIC
46A OR PRINEVILLE, ETC.	BLDTT	20111213ACQ	LIC

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED