Regional Planning Committee

8 700 MHz

FCC Region 8 – 700-MHz Plan

APPENDIX P, INTERREGIONAL FREQUENCY-COORDINATION AND DISPUTE-RESOLUTION APPROVALS

FCC Region 8 – 700-MHz Plan

Annex – Interregional Memorandum of Understanding

COORDINATION AND DISPUTE RESOLUTION PROCEDURES BETWEEN 700 MHZ REGIONAL PLANNING COMMITTEES OF REGION 8, REGION 19, REGION 28, REGION 30, REGION 20, REGION 36 AND REGION 55

I. Introduction

This is a mutually agreed upon Inter-Regional Coordination Procedures and Dispute Resolution Procedures Agreement by and between the 700 MHz Regional Planning Committees of:

- Southern New York State and New Jersey State Region - Region 8 (hereinafter Region 8), and
- New England States Region - Region 19 (hereinafter Region 19), and
- Northern New York State Region – Region 30 (hereinafter Region 30)
- Eastern Commonwealth of Pennsylvania, Southern New Jersey State and Delaware State Region - Region 28 (hereinafter Region 28).
- Northern Virginia State, District of Columbia and Maryland State Region - Region 20 (hereinafter Region 20).
- Western Commonwealth of Pennsylvania Region - Region 36 (hereinafter Region 36).
- Western New York State Region - Region 55 (hereinafter Region 55).

Responsible Radiation

For all proposed facilities within the region, 80% of the 50 dBμ (-82 dBm) Protected Service Area (PSA) must lie within the jurisdictional boundary plus an 8 km buffer zone. The 50 dBμ (-82 dBm) PSA shall be assessed using Longley- Rice analyses.

Interference Protection – Co-Channel

The co-channel 15 dBμ (-119 dBm) interfering signal, assessed using Longley-Rice analyses, will be allowed to touch but not overlap the incumbent's 40 dBμ (-93 dBm) predicted coverage area of the system being evaluated, assessed using Longley-Rice analyses.

Interference Protection – Adjacent Channel

The evaluation of adjacent-channel interference will follow the co-channel procedure above, except that the effective radiated power of the proposed stations shall be de-rated to account for Adjacent- Channel Coupled Power Ratio (ACCPR) effects, e.g. -119dBm less the ACCPR for the respective case. Please refer to the table below for the appropriate ACCPR values; note that the channel bandwidth should be larger than the technology-specific emissions bandwidth.

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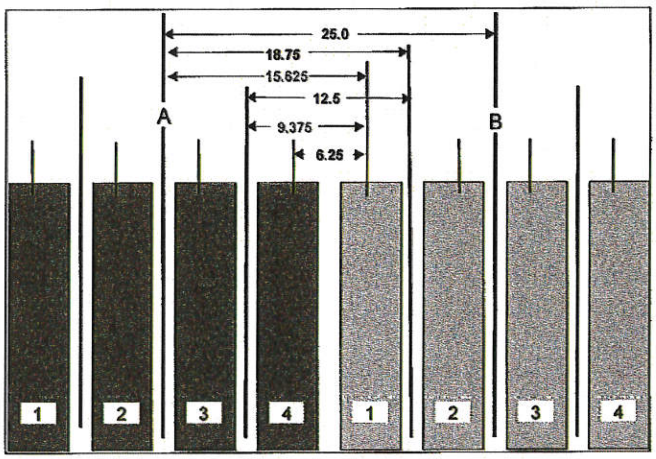

Potential Frequency Separations

Case	Spacing	ACCPR
25 kHz to 25 kHz	25 kHz	65 dB
25 kHz to 12.5 kHz	18.750 kHz	65 dB
25 kHz to 6.25 kHz	15.625 kHz	>40 dB
12.5 kHz to 12.5 kHz	12.5 kHz	65 dB
12.5 kHz to 6.25 kHz	9.375 kHz	>40 dB
6.25 kHz to 6.25 kHz	6.25 kHz	65 dB

ACCPR Values For Potential Frequency Separations

These procedures will be used when an applicant for 700 MHz spectrum has a proposed interference prediction which extends into an adjacent Public Safety Region(s) of the Region receiving the application. Such applications will be reviewed for approval by the affected Region. Service area shall normally be defined as the area included within the jurisdictional boundary of the applicant, plus 8 km.

Interference shall normally be defined as the case when:

- a 15 dBu (-119dBm) co-channel Longley-Rice analysis overlaps an incumbent's 40dBu (-93dBm) Longley-Rice analysis

or

- the ACCPR derated adjacent channel Longley-Rice analysis overlaps an incumbent's 40dBu (-93dBm) Longley-Rice analysis

In the case where a frequency/channel has not yet been applied for nor allocated to an entity, the incumbent's protection area shall be the CAPRAD allocated county borders plus an 8km buffer.

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In the case where a frequency/channel has been applied for and allocated to an entity but not yet licensed, that incumbent shall be afforded protection as if licensed.

Other definitions of service area or interference may be justified with an accompanying Memorandum of Understanding (MOU) or other application documentation between involved agencies. Each Region retains the right to accept or reject other definitions on a case by case basis.

II. COORDINATION PROCEDURES

The following are the guidelines for inter-regional coordination which are accepted by Region 8, Region 19 and Region 30.

a. Each Region will announce when it is accepting applications and the parameters that it has established filing applications.
b. Applications by eligible entities will be accepted within each Region's parameters.
c. Regional review and coordination of applications will be conducted. The review will include a technical review resulting in assignment of channels.
d. After Regional review, a copy of those frequency-specific applications requiring adjacent Region approval, including a definition statement of proposed service area, shall then be forwarded to the adjacent Region(s) for review. This information will be sent to the adjacent Regional chairperson(s) using the CAPRAD database.
e. The adjacent Region will review the application. If the application is approved, this Region will send a letter of concurrence, via the CAPRAD database, to the initiating Regional chairperson within thirty (30) calendar days of receipt of the application by the adjacent Region.

III. DISPUTE RESOLUTION

A. If the adjacent Region(s) does not approve the request, the adjacent Region shall document the reasons for partial or non-concurrence, and respond, via email, to the initiating Region. Response will be sent within thirty (30) calendar days of receipt of the application by the adjacent Region. The initiating Region will attempt to modify the application to satisfy the objections of the adjacent Region.

B. If the applying Region cannot modify the application to satisfy the objections of the adjacent Region then, a working group comprised of representatives of the two Regions shall be convened to attempt to resolve the dispute. The working group will be convened within thirty (30) calendar days of the date that the initiating Region received notice from the adjacent Region. The working group shall then report its findings within thirty (30) calendar days to the Regional chairpersons via email through the CAPRAD database. Findings may include, but not be limited to:

- Unconditional concurrence;
- Conditional concurrence contingent upon modification of applicant's technical parameters; or
- Partial or total denial of proposed frequencies due to inability to meet co-channel/adjacent channel interference free protection to existing licensees within the adjacent Region.

C. If the working group does not resolve the dispute, then the matter shall be forwarded for evaluation to the National Plan Oversight Committee (NPOC), of the National Public Safety Telecommunications Council. Each Region involved in the dispute shall include a detailed explanation of its position, including engineering studies and any other technical information deemed relevant. The NPOC will, within thirty (30) calendar days, report its recommendation(s) to the Regional chairpersons via the CAPRAD database. The NPOC's decision may support either of the disputing Regions or it may develop a proposal that it deems mutually advantageous to each disputing Region.

D. When adjacent Region concurrence has been secured, and the channel assignments do not change the Region's current Federal Communications Commission (FCC) approved channel assignment matrix, the initiating Region may then advise the applicant(s) that their application may be forwarded to a frequency coordinator for processing and filing with the FCC.

E. Where adjacent Region concurrence has been secured, and the channel assignments changes the Region's current FCC approved channel assignment matrix, then the initiating Region shall file with the FCC a *Petition to Amend* its current frequency matrix, to reflect the new channel assignments. The initiating Region will send a copy of the *Petition* to the adjacent Regional chairperson(s).

F. Upon the FCC's issuance of an *Order* adopting the amended channel assignment matrix, the initiating Regional chairperson will send a courtesy copy of the *Order* to the adjacent Regional chairperson(s). The initiating Region then advises the applicant(s) that they may forward their applications to the frequency coordinator for processing and filing with the Commission.

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IV. CONCLUSION

A. This agreement contains the entire understanding among Region 8, Region 19 and Region 30 and supersedes any and all prior understandings, negotiations and agreements, whether written or oral, among them respecting subject matter herein.

B. The parties each bind themselves, successors, assigns and legal representatives with respect to all covenants of this Agreement.

C. This Agreement becomes effective upon the date of the last signatory's signature.

Morton Leifer

Region 8 Authorized Representative — 27-October 2015 Date

Jerry Zarowanski

Region 19 Authorized Representative — 26-October 2015 Date

Lee Hunnicutt

Region 30 Authorized Representative — 26-October-2015 Date

William D Carver

Region 28 Authorized Representative — 27-October 2015 Date

Wayne A McBride

Region 20 Authorized Representative — 27-October 2015 Date

Randall J Boymil

Region 36 Authorized Representative — 27-October 2015 Date

Steven Sharpe

Region 55 Authorized Representative — 27-October 2015 Date