

WES Broadcast Consultants, Inc.
Engineering Statement & Extraordinary Circumstance
Special Temporary Authority
for KFPB-LD Globe, AZ Channel 25

Engineering Statement

1. General

The purpose of this engineering statement is to support an application for Special Temporary Authority. KFPB is being displaced due Spectrum Repack & TMobile spectrum acquisition. Due to untimely filing of an MX'd application on Channel 21, KFPB now requests an STA on Channel 25 to keep their November 2018 transition off of Channel 50.

2. Engineering

A. Proposed Site:

KFPB Channel 25 will operate with 5,500w ERP at the Horizon on a Directional Antenna with the main lobe oriented at 30 degrees w/2.5 degrees electronic tilt as shown in Exhibit ANT -1 at the following NAD83 coordinates:

N Latitude 33-19-57.19

W Longitude 112-03-59.50

The facility will operate with the following elevation parameters:

AGL 30m

GAMSL 807.7m

RCAMSL 837.7m

B. Full Service Mask Filter:

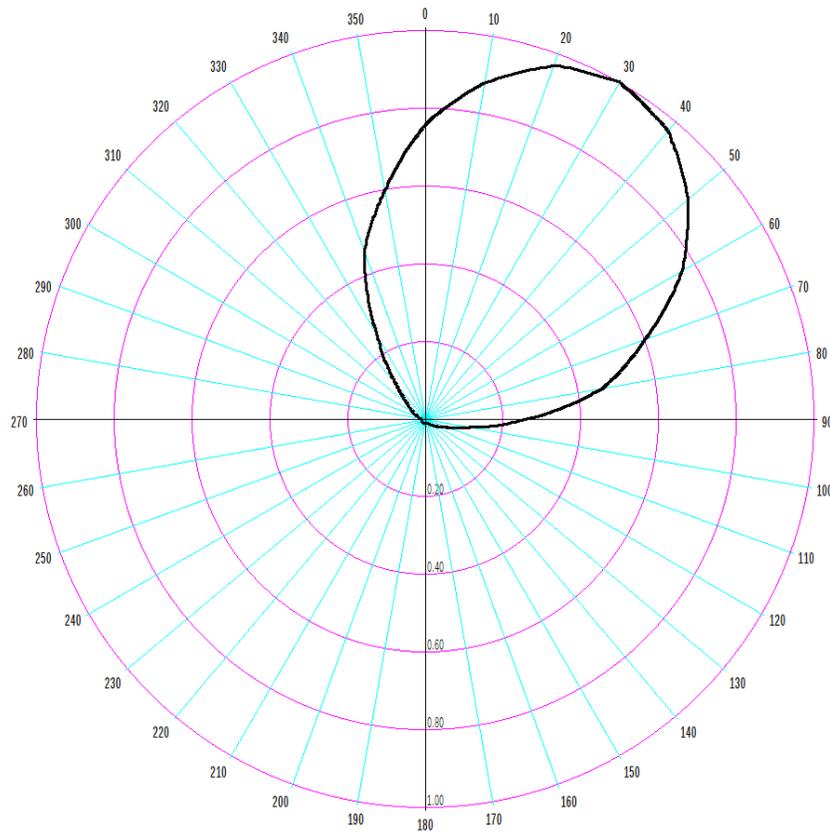
KFPB Ch 25 will operate with a Full Service Mask Filter

Exhibit ANT-1

ComStudy

UTV01

Horizontal Pattern



Azim	Rel.FS	ERP [kW]	dBk
0.0	0.760	3.171	5.011
5.0	0.820	3.691	5.671
10.0	0.880	4.251	6.285
15.0	0.925	4.697	6.718
20.0	0.969	5.154	7.122
25.0	0.984	5.315	7.255
30.0	1.000	5.489	7.395
35.0	0.984	5.315	7.255
40.0	0.969	5.154	7.122
45.0	0.925	4.697	6.718
50.0	0.880	4.251	6.285
55.0	0.820	3.691	5.671
60.0	0.760	3.171	5.011
65.0	0.679	2.531	4.033
70.0	0.599	1.970	2.944
75.0	0.530	1.542	1.881
80.0	0.460	1.162	0.650
85.0	0.354	0.688	-1.625

Azim	Rel.FS	ERP [kW]	dBk
90.0	0.250	0.343	-4.646
95.0	0.179	0.176	-7.548
100.0	0.115	0.073	-11.391
105.0	0.081	0.036	-14.435
110.0	0.059	0.019	-17.188
115.0	0.045	0.011	-19.541
120.0	0.037	0.008	-21.241
125.0	0.029	0.005	-23.357
130.0	0.022	0.003	-25.756
135.0	0.018	0.002	-27.499
140.0	0.015	0.001	-29.083
145.0	0.012	0.001	-31.021
150.0	0.011	0.001	-31.777
155.0	0.010	0.001	-32.605
160.0	0.010	0.001	-32.605
165.0	0.010	0.001	-32.605
170.0	0.010	0.001	-32.605
175.0	0.010	0.001	-32.605

Azim	Rel.FS	ERP [kW]	dBk
180.0	0.010	0.001	-32.605
185.0	0.010	0.001	-32.605
190.0	0.010	0.001	-32.605
195.0	0.010	0.001	-32.605
200.0	0.010	0.001	-32.605
205.0	0.010	0.001	-32.605
210.0	0.010	0.001	-32.605
215.0	0.010	0.001	-32.605
220.0	0.010	0.001	-32.605
225.0	0.010	0.001	-32.605
230.0	0.010	0.001	-32.605
235.0	0.010	0.001	-32.605
240.0	0.010	0.001	-32.605
245.0	0.010	0.001	-32.605
250.0	0.010	0.001	-32.605
255.0	0.010	0.001	-32.605
260.0	0.010	0.001	-32.605
265.0	0.010	0.001	-32.605

Azim	Rel.FS	ERP [kW]	dBk
270.0	0.011	0.001	-31.777
275.0	0.012	0.001	-31.021
280.0	0.015	0.001	-29.083
285.0	0.018	0.002	-27.499
290.0	0.022	0.003	-25.756
295.0	0.029	0.005	-23.357
300.0	0.037	0.008	-21.241
305.0	0.045	0.011	-19.541
310.0	0.059	0.019	-17.188
315.0	0.081	0.036	-14.435
320.0	0.115	0.073	-11.391
325.0	0.179	0.176	-7.548
330.0	0.250	0.343	-4.646
335.0	0.354	0.688	-1.625
340.0	0.460	1.162	0.650
345.0	0.530	1.542	1.881
350.0	0.599	1.970	2.944
355.0	0.679	2.531	4.033

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This STA is needed to continue operations on Channel 25 on South Mountain and replace the STA that we currently have on file for Channel 21.

We believe we need this STA to better serve the public interest and reach the viewers within our current contour in the same DMA and same City.