

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:

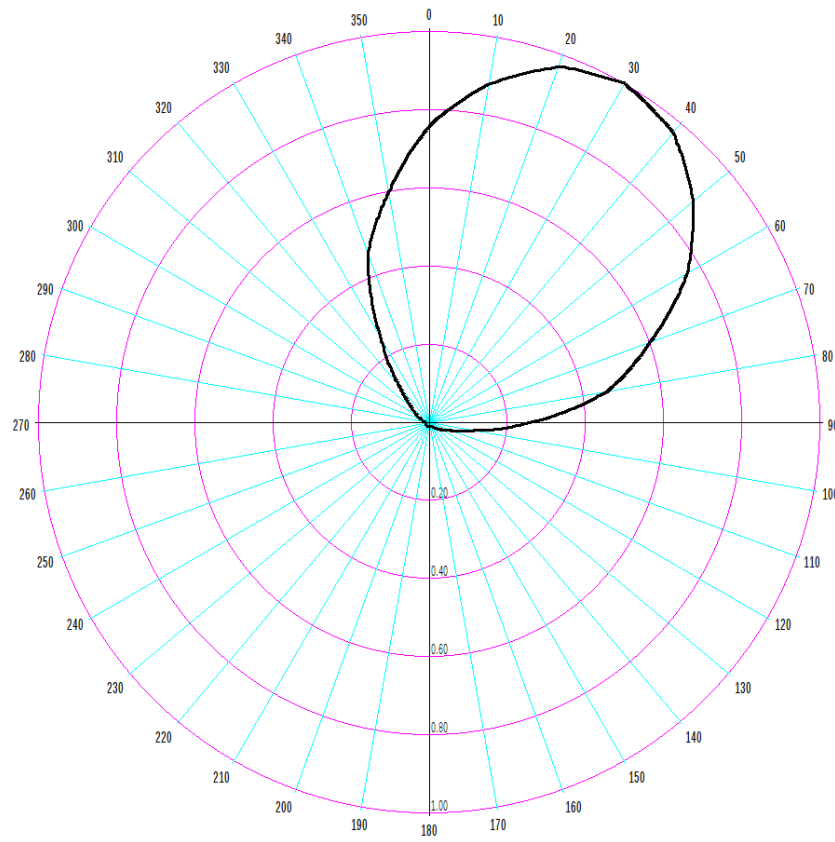
KFPB Ch 25 will operate with a Full Service Mask Filter

Exhibit ANT-1

ComStudy

UTV01

Horizontal Pattern



Azim	Rel.FS	ERP [kW]	dBk	Azim	Rel.FS	ERP [kW]	dBk	Azim	Rel.FS	ERP [kW]	dBk	Azim	Rel.FS	ERP [kW]	dBk
0.0	0.760	3.171	5.011	90.0	0.250	0.343	-4.646	180.0	0.010	0.001	-32.605	270.0	0.011	0.001	-31.777
5.0	0.820	3.691	5.671	95.0	0.179	0.176	-7.548	185.0	0.010	0.001	-32.605	275.0	0.012	0.001	-31.021
10.0	0.880	4.251	6.285	100.0	0.115	0.073	-11.391	190.0	0.010	0.001	-32.605	280.0	0.015	0.001	-29.083
15.0	0.925	4.697	6.718	105.0	0.081	0.036	-14.435	195.0	0.010	0.001	-32.605	285.0	0.018	0.002	-27.499
20.0	0.969	5.154	7.122	110.0	0.059	0.019	-17.188	200.0	0.010	0.001	-32.605	290.0	0.022	0.003	-25.756
25.0	0.984	5.315	7.255	115.0	0.045	0.011	-19.541	205.0	0.010	0.001	-32.605	295.0	0.029	0.005	-23.357
30.0	1.000	5.489	7.395	120.0	0.037	0.008	-21.241	210.0	0.010	0.001	-32.605	300.0	0.037	0.008	-21.241
35.0	0.984	5.315	7.255	125.0	0.029	0.005	-23.357	215.0	0.010	0.001	-32.605	305.0	0.045	0.011	-19.541
40.0	0.969	5.154	7.122	130.0	0.022	0.003	-25.756	220.0	0.010	0.001	-32.605	310.0	0.059	0.019	-17.188
45.0	0.925	4.697	6.718	135.0	0.018	0.002	-27.499	225.0	0.010	0.001	-32.605	315.0	0.081	0.036	-14.435
50.0	0.880	4.251	6.285	140.0	0.015	0.001	-29.083	230.0	0.010	0.001	-32.605	320.0	0.115	0.073	-11.391
55.0	0.820	3.691	5.671	145.0	0.012	0.001	-31.021	235.0	0.010	0.001	-32.605	325.0	0.179	0.176	-7.548
60.0	0.760	3.171	5.011	150.0	0.011	0.001	-31.777	240.0	0.010	0.001	-32.605	330.0	0.250	0.343	-4.646
65.0	0.679	2.531	4.033	155.0	0.010	0.001	-32.605	245.0	0.010	0.001	-32.605	335.0	0.354	0.688	-1.625
70.0	0.599	1.970	2.944	160.0	0.010	0.001	-32.605	250.0	0.010	0.001	-32.605	340.0	0.460	1.162	0.650
75.0	0.530	1.542	1.881	165.0	0.010	0.001	-32.605	255.0	0.010	0.001	-32.605	345.0	0.530	1.542	1.881
80.0	0.460	1.162	0.650	170.0	0.010	0.001	-32.605	260.0	0.010	0.001	-32.605	350.0	0.599	1.970	2.944
85.0	0.354	0.688	-1.625	175.0	0.010	0.001	-32.605	265.0	0.010	0.001	-32.605	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.