

**CHANGE IN DIRECTIONAL ANTENNA  
PURSUANT TO 47 CFR §73.1690(c)(3)**

As demonstrated below, the new ERI directional antenna pattern does not exceed the CP pattern in any direction. The results also indicate that the two patterns are an exact match and thus no further showing of compliance is required.

Azimuth (degrees)	CP File No. 0000029983	New ERI Model ALP24M3-HSBx-21	Results
	DIE Model TFU-24DSC 3BP300 (Relative Field)	Specifications No. 20190619-904-2r1a (Relative Field)	
0	0.336	0.336	No change
10	0.345	0.345	No change
20	0.397	0.397	No change
30	0.522	0.522	No change
40	0.694	0.694	No change
50	0.859	0.859	No change
60	0.971	0.971	No change
70	0.998	0.998	No change
80	0.932	0.932	No change
90	0.788	0.788	No change
100	0.597	0.597	No change
110	0.401	0.401	No change
120	0.240	0.240	No change
130	0.143	0.143	No change
140	0.125	0.125	No change
150	0.163	0.163	No change
160	0.218	0.218	No change
170	0.265	0.265	No change
180	0.283	0.283	No change
190	0.265	0.265	No change
200	0.218	0.218	No change
210	0.163	0.163	No change
220	0.125	0.125	No change
230	0.143	0.143	No change
240	0.240	0.240	No change
250	0.401	0.401	No change
260	0.597	0.597	No change
270	0.788	0.788	No change
280	0.932	0.932	No change
290	0.998	0.998	No change
300	0.971	0.971	No change
310	0.859	0.859	No change
320	0.694	0.694	No change
330	0.522	0.522	No change
340	0.397	0.397	No change
350	0.345	0.345	No change
68	1.000	1.000	No change
292	1.000	1.000	No change
222	0.123	0.123	No change
138	0.123	0.123	No change

The new and authorized antenna pattern values are shown before the authorized rotation, which remains unchanged.

The station is in excess of 341 km from any co-channel landmobile operation referenced in 47 CFR §74.709(a) & (b).

The station is in excess of 225 km from any adjacent channel landmobile operation referenced in 47 CFR §74.709(a) & (b).