

WKFL.P
Proposed Allocation
Freq: 1170 kHz
Class: D
Latitude: 28-42-25 N
Longitude: 082-07-25 W
Power: 10 kW
RMS: 901.695 mV/m @1km
Towers: 4
Augs: 0

— 5.0 mV/m
— 0.5 mV/m
- - 0.25 mV/m
— 0.025 mV/m

Exhibit 16.1 Map of Proposed Domestic Map M3 Allocation Study

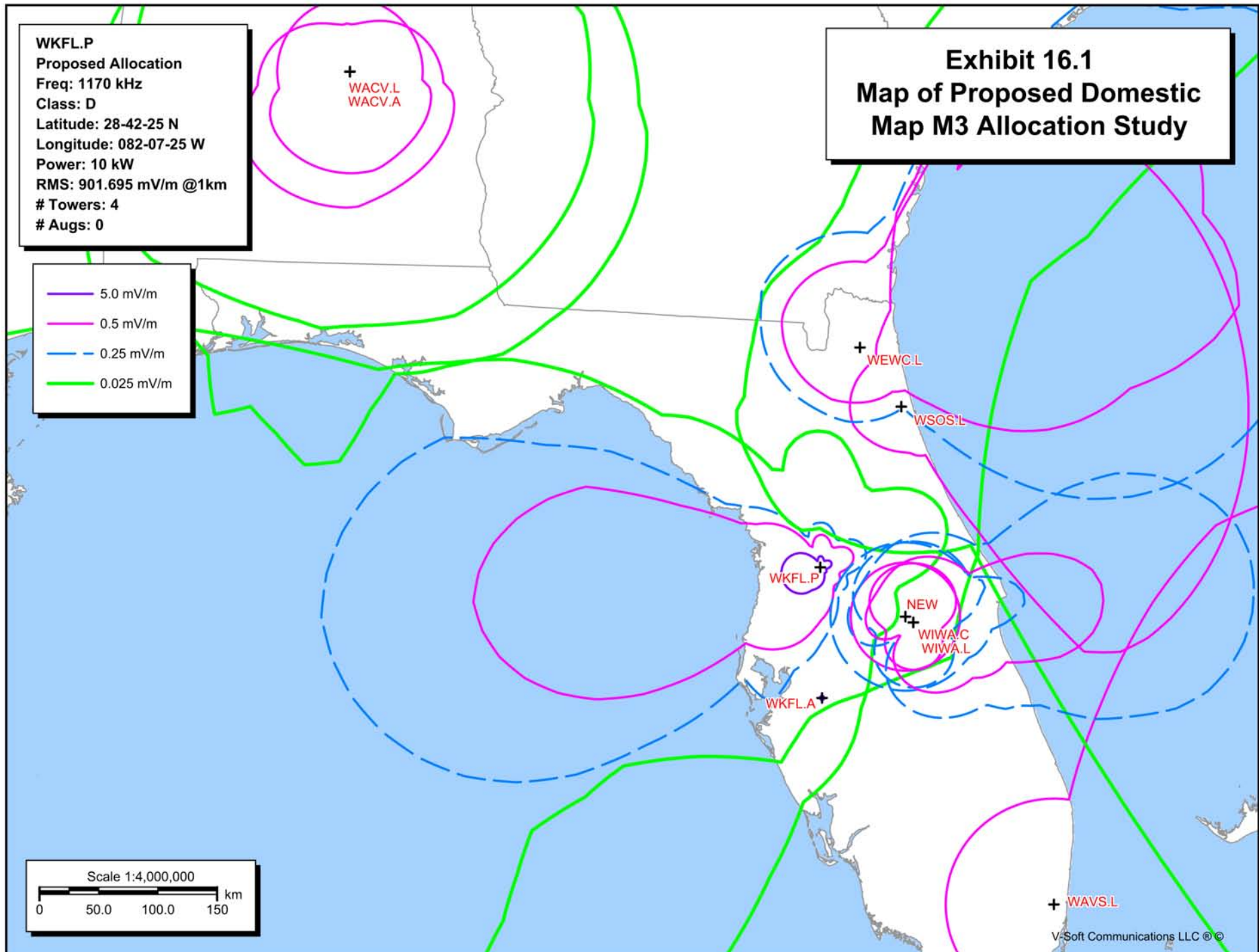


Exhibit 16.2

Tabulation of Proposed Map M3 Allocation Study

AM Daytime Study

Reference Station:

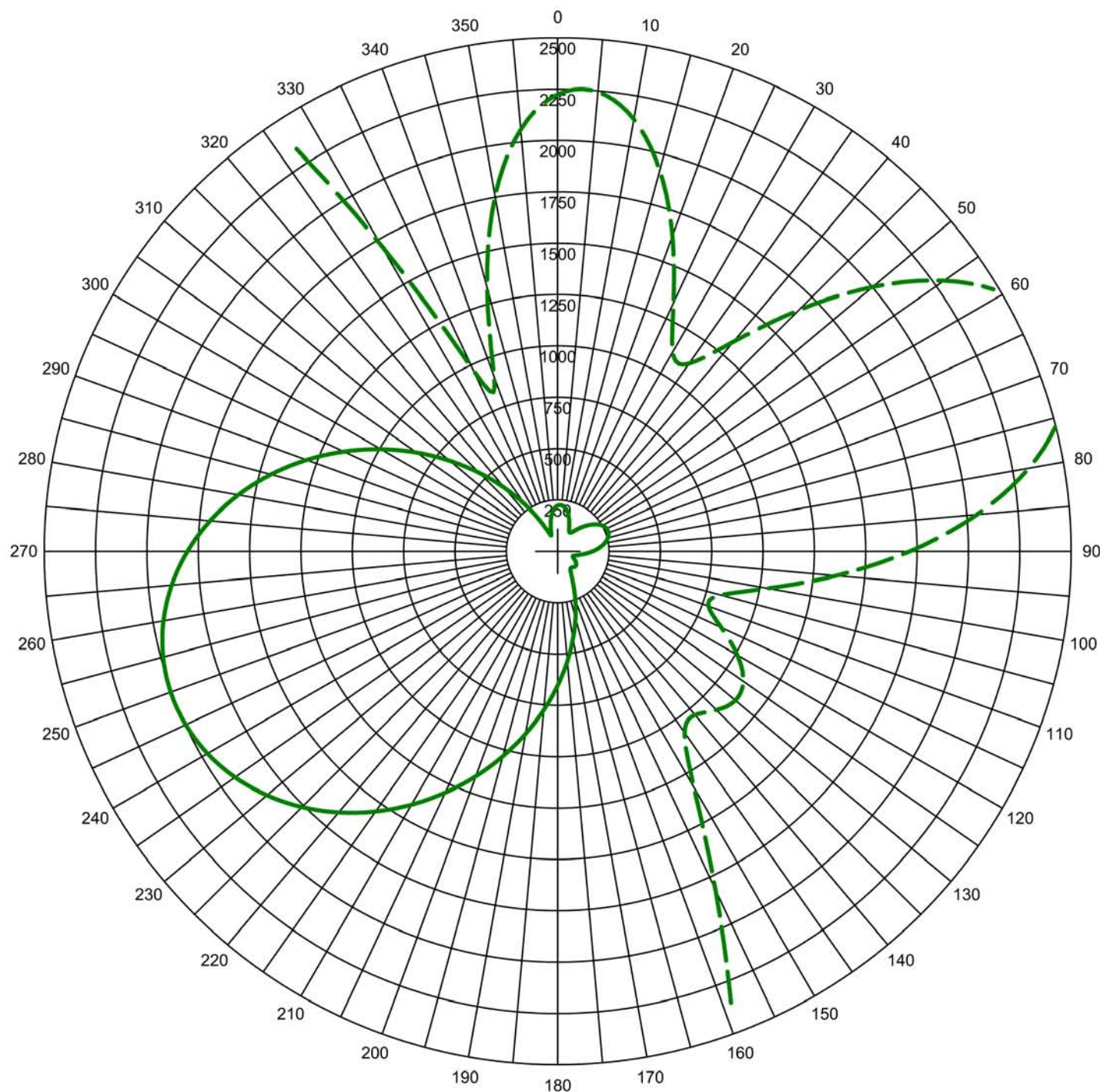
Call: WKFL.P	Freq: 1170 kHz	BUSHNELL, FL, US
Lat: 28-42-25 N	Power: 10.0 kW	
Lng: 082-07-25 W	Theo RMS: 901.70 mV/m @ 1km	

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
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1	1.000	0.0	0.0	0.0	0.0	0	1	55.0	25.0	0.0	0.0
2	0.770	113.0	80.0	355.0	0.0	0	1	55.0	25.0	0.0	0.0
3	0.750	214.0	70.0	50.0	0.0	0	1	55.0	25.0	0.0	0.0
4	0.820	130.0	60.0	140.0	0.0	0	1	55.0	25.0	0.0	0.0

Call	Freq	City	ST	Dist	Azi	In	Out
NEW	1160	KISSIMMEE	FL	83.0	121.6	0.67	10.45
WIWA.L	1160	ST. CLOUD	FL	91.2	122.2	13.46	21.99
WIWA.C	1160	ST. CLOUD	FL	91.3	122.1	17.41	24.92
WSOS.L	1170	ST. AUGUSTINE	FL	152.0	28.1	8.04	32.79
WKFL.A	1150	BUSHNELL	FL	110.6	180.2	93.66	93.66
WEWC.L	1160	CALLAHAN	FL	188.5	11.4	98.99	105.24
WAVS.L	1170	DAVIE	FL	347.0	147.5	94.21	177.56
WACV.L	1170	MONTGOMERY	AL	576.3	315.0	256.22	298.67
WACV.A	1170	MONTGOMERY	AL	576.4	315.1	307.79	321.43

Negative values in the "In" and "Out" columns reflect km² areas of Incoming and Outgoing overlap respectively. Positive values reflect linear distance of clearance to the offending contour. In response to FCC attempts to streamline the application process, tabulations of distances to contours and Map M-3 Conductivities for each station have been omitted. These tabulations will be supplied upon request.

Exhibit 16.3 - Polar Plot of Proposed Daytime Directional Antenna Pattern



Theo RMS: 901.695 mV/m@1km
Std RMS: 947.778 mV/m@1km
Q: 41.411 mV/m@1km

Standard Horizontal Plane Pattern

—— Pattern (mV/m @ 1km)
- - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	0.0	0	1	55.0	25.0	0.0	0.0
2	0.770	113.0	80.0	355.0	0.0	0	1	55.0	25.0	0.0	0.0
3	0.750	214.0	70.0	50.0	0.0	0	1	55.0	25.0	0.0	0.0
4	0.820	130.0	60.0	140.0	0.0	0	1	55.0	25.0	0.0	0.0

Call: WKFL.P
Freq: 1170 kHz
BUSHNELL, FL, US
Hours: Daytime
Lat: 28-42-25 N
Lng: 082-07-25 W
Power: 10.0 kW
Theo RMS: 901.70 mV/m@1km
@ 10.0 kW

Exhibit 16.4

Tabulation of Proposed Daytime Directional Antenna Pattern

AM Radiation Report

Call: WKFL.P
Freq: 1170 kHz
BUSHNELL, FL, US
Hours: Daytime
Lat: 28-42-25 N
Lng: 082-07-25 W
Power: 10.0 kW
Theo RMS: 901.70 mV/m @ 1km @ 10.0 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swrch	TL Swrch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	0.0	0	1	55.0	25.0	0.0	0.0
2	0.770	113.0	80.0	355.0	0.0	0	1	55.0	25.0	0.0	0.0
3	0.750	214.0	70.0	50.0	0.0	0	1	55.0	25.0	0.0	0.0
4	0.820	130.0	60.0	140.0	0.0	0	1	55.0	25.0	0.0	0.0

Standard Horizontal Plane Pattern

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	222.46	120.0	101.03	240.0	1968.78
5.0	224.48	125.0	110.31	245.0	1998.32
10.0	213.55	130.0	112.91	250.0	2005.22
15.0	191.98	135.0	109.28	255.0	1988.77
20.0	163.34	140.0	104.03	260.0	1948.93
25.0	133.41	145.0	107.78	265.0	1886.37
30.0	112.06	150.0	132.77	270.0	1802.48
35.0	111.49	155.0	181.82	275.0	1699.24
40.0	133.18	160.0	250.49	280.0	1579.19
45.0	166.09	165.0	334.49	285.0	1445.29
50.0	200.21	170.0	430.91	290.0	1300.80
55.0	229.66	175.0	537.67	295.0	1149.15
60.0	251.05	180.0	652.99	300.0	993.82
65.0	262.45	185.0	775.19	305.0	838.26
70.0	263.03	190.0	902.56	310.0	685.79
75.0	252.87	195.0	1033.26	315.0	539.60
80.0	232.93	200.0	1165.28	320.0	402.78
85.0	204.96	205.0	1296.40	325.0	278.67
90.0	171.53	210.0	1424.19	330.0	172.22
95.0	136.16	215.0	1546.02	335.0	97.31
100.0	103.92	220.0	1659.12	340.0	90.52
105.0	82.28	225.0	1760.66	345.0	132.72
110.0	78.12	230.0	1847.82	350.0	175.48
115.0	87.91	235.0	1917.97	355.0	206.18