Exterior Building Color & Material Samples

Color Drawdowns

Archaeological Resources

Airport Vicinity Development Checklist

Parking Study

Trip Generation Comparison

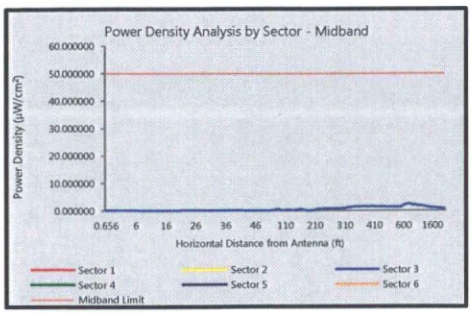
Parking Master Plan

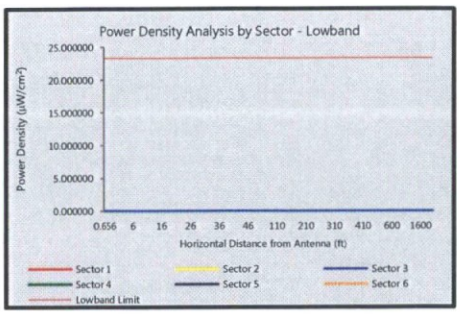
T··Mobile·

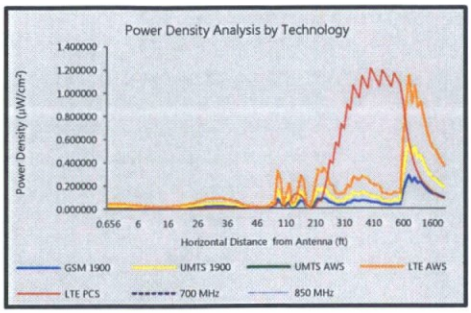
MAXIMUM PERMISSIBLE EMISSION (MPE) ANALYSIS REPORT

Report Date: 18-Jun-17

REGION :	West	MARKET :	Phoenix	SITE ID :	PH10949A	SITE TYPE :	Pole	COLOCATED :	Yes







Distance (ft)	Midband Frequencies - Calculated Power Density (µW/cm²)						Lowband Frequencies - Calculated Power Density (µW/cm²)						Midband Limit	Lowband Limit
	Sector 1	Sector 2	Sector 3	Sector 4	Sector 5	Sector 6	Sector 1	Sector 2	Sector 3	Sector 4	Sector 5	Sector 6		
0.656	0.086308	0.086308	0.086308				0.000000	0.000000	0.000000				50	23.35
0.6561	0.086308	0.086308	0.086308				0.000000	0.000000	0.000000				50	23.35
0.7	0.086307	0.086307	0.086307				0.000000	0.000000	0.000000				50	23.35
0.8	0.086305	0.086305	0.086305				0.000000	0.000000	0.000000				50	23.35
0.9	0.086303	0.086303	0.086303				0.000000	0.000000	0.000000				50	23.35
1	0.086301	0.086301	0.086301				0.000000	0.000000	0.000000				50	23.35
2	0.079162	0.079162	0.079162				0.000000	0.000000	0.000000				50	23.35
3	0.074012	0.074012	0.074012				0.000000	0.000000	0.000000				50	23.35
4	0.073939	0.073939	0.073939				0.000000	0.000000	0.000000				50	23.35
5	0.071796	0.071796	0.071796				0.000000	0.000000	0.000000				50	23.35
6	0.061679	0.061679	0.061679				0.000000	0.000000	0.000000				50	23.35
7	0.061566	0.061566	0.061566				0.000000	0.000000	0.000000				50	23.35
8	0.052369	0.052369	0.052369				0.000000	0.000000	0.000000				50	23.35
9	0.044899	0.044899	0.044899				0.000000	0.000000	0.000000				50	23.35
10	0.044780	0.044780	0.044780				0.000000	0.000000	0.000000				50	23.35
11	0.038192	0.038192	0.038192				0.000000	0.000000	0.000000				50	23.35
12	0.035663	0.035663	0.035663				0.000000	0.000000	0.000000				50	23.35
13	0.035539	0.035539	0.035539				0.000000	0.000000	0.000000				50	23.35
14	0.033543	0.033543	0.033543				0.000000	0.000000	0.000000				50	23.35
15	0.034858	0.034858	0.034858				0.000000	0.000000	0.000000				50	23.35
16	0.034710	0.034710	0.034710				0.000000	0.000000	0.000000				50	23.35
17	0.039327	0.039327	0.039327				0.000000	0.000000	0.000000				50	23.35
18	0.047130	0.047130	0.047130				0.000000	0.000000	0.000000				50	23.35
19	0.046895	0.046895	0.046895				0.000000	0.000000	0.000000				50	23.35
20	0.054630	0.054630	0.054630				0.000000	0.000000	0.000000				50	23.35
21	0.067152	0.067152	0.067152				0.000000	0.000000	0.000000				50	23.35
22	0.066768	0.066768	0.066768				0.000000	0.000000	0.000000				50	23.35
23	0.081619	0.081619	0.081619				0.000000	0.000000	0.000000				50	23.35
24	0.081116	0.081116	0.081116				0.000000	0.000000	0.000000				50	23.35
25	0.099381	0.099381	0.099381				0.000000	0.000000	0.000000				50	23.35
26	0.115633	0.115633	0.115633				0.000000	0.000000	0.000000				50	23.35
27	0.114844	0.114844	0.114844				0.000000	0.000000	0.000000				50	23.35
28	0.135306	0.135306	0.135306				0.000000	0.000000	0.000000				50	23.35
29	0.149605	0.149605	0.149605				0.000000	0.000000	0.000000				50	23.35
30	0.148493	0.148493	0.148493				0.000000	0.000000	0.000000				50	23.35
31	0.160394	0.160394	0.160394				0.000000	0.000000	0.000000				50	23.35
32	0.159141	0.159141	0.159141				0.000000	0.000000	0.000000				50	23.35
33	0.165837	0.165837	0.165837				0.000000	0.000000	0.000000				50	23.35
34	0.159491	0.159491	0.159491				0.000000	0.000000	0.000000				50	23.35
35	0.158159	0.158159	0.158159				0.000000	0.000000	0.000000				50	23.35
36	0.141239	0.141239	0.141239				0.000000	0.000000	0.000000				50	23.35
37	0.140012	0.140012	0.140012				0.000000	0.000000	0.000000				50	23.35
38	0.119495	0.119495	0.119495				0.000000	0.000000	0.000000				50	23.35
39	0.118420	0.118420	0.118420				0.000000	0.000000	0.000000				50	23.35
40	0.090528	0.090528	0.090528				0.000000	0.000000	0.000000				50	23.35
41	0.061981	0.061981	0.061981				0.000000	0.000000	0.000000				50	23.35
42	0.061396	0.061396	0.061396				0.000000	0.000000	0.000000				50	23.35
43	0.038781	0.038781	0.038781				0.000000	0.000000	0.000000				50	23.35
44	0.038405	0.038405	0.038405				0.000000	0.000000	0.000000				50	23.35
45	0.030317	0.030317	0.030317				0.000000	0.000000	0.000000				50	23.35
46	0.030016	0.030016	0.030016				0.000000	0.000000	0.000000				50	23.35
47	0.029393	0.029393	0.029393				0.000000	0.000000	0.000000				50	23.35
48	0.029094	0.029094	0.029094				0.000000	0.000000	0.000000				50	23.35
49	0.039441	0.039441	0.039441				0.000000	0.000000	0.000000				50	23.35
50	0.039031	0.039031	0.039031				0.000000	0.000000	0.000000				50	23.35
60	0.105970	0.105970	0.105970				0.000000	0.000000	0.000000				50	23.35
70	0.094372	0.094372	0.094372				0.000000	0.000000	0.000000				50	23.35
80	0.614164	0.614164	0.614164				0.000000	0.000000	0.000000				50	23.35
90	0.491668	0.491668	0.491668				0.000000	0.000000	0.000000				50	23.35
100	0.064069	0.064069	0.064069				0.000000	0.000000	0.000000				50	23.35
110	0.253709	0.253709	0.253709				0.000000	0.000000	0.000000				50	23.35
120	0.425374	0.425374	0.425374				0.000000	0.000000	0.000000				50	23.35
130	0.165769	0.165769	0.165769				0.000000	0.000000	0.000000				50	23.35
140	0.227247	0.227247	0.227247				0.000000	0.000000	0.000000				50	23.35
150	0.386494	0.386494	0.386494				0.000000	0.000000	0.000000				50	23.35
160	0.605920	0.605920	0.605920				0.000000	0.000000	0.000000				50	23.35
170	0.492066	0.492066	0.492066				0.000000	0.000000	0.000000				50	23.35
180	0.108002	0.108002	0.108002				0.000000	0.000000	0.000000				50	23.35
190	0.032537	0.032537	0.032537				0.000000	0.000000	0.000000				50	23.35
200	0.143214	0.143214	0.143214				0.000000	0.000000	0.000000				50	23.35
210	0.393184	0.393184	0.393184				0.000000	0.000000	0.000000				50	23.35

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Distance (ft)	Midband Frequencies - Calculated Power Density (μW/cm²)						Lowband Frequencies - Calculated Power Density (μW/cm²)						Midband Limit	Lowband Limit
	Sector 1	Sector 2	Sector 3	Sector 4	Sector 5	Sector 6	Sector 1	Sector 2	Sector 3	Sector 4	Sector 5	Sector 6		
220	0.655523	0.655523	0.655523				0.000000	0.000000	0.000000				50	23.35
230	0.606308	0.606308	0.606308				0.000000	0.000000	0.000000				50	23.35
240	0.750011	0.750011	0.750011				0.000000	0.000000	0.000000				50	23.35
250	0.779662	0.779662	0.779662				0.000000	0.000000	0.000000				50	23.35
260	0.769427	0.769427	0.769427				0.000000	0.000000	0.000000				50	23.35
270	0.718413	0.718413	0.718413				0.000000	0.000000	0.000000				50	23.35
280	0.790174	0.790174	0.790174				0.000000	0.000000	0.000000				50	23.35
290	0.740755	0.740755	0.740755				0.000000	0.000000	0.000000				50	23.35
300	0.951834	0.951834	0.951834				0.000000	0.000000	0.000000				50	23.35
310	0.895539	0.895539	0.895539				0.000000	0.000000	0.000000				50	23.35
320	1.241208	1.241208	1.241208				0.000000	0.000000	0.000000				50	23.35
330	1.171620	1.171620	1.171620				0.000000	0.000000	0.000000				50	23.35
340	1.539358	1.539358	1.539358				0.000000	0.000000	0.000000				50	23.35
350	1.457363	1.457363	1.457363				0.000000	0.000000	0.000000				50	23.35
360	1.381635	1.381635	1.381635				0.000000	0.000000	0.000000				50	23.35
370	1.632275	1.632275	1.632275				0.000000	0.000000	0.000000				50	23.35
380	1.551436	1.551436	1.551436				0.000000	0.000000	0.000000				50	23.35
390	1.476369	1.476369	1.476369				0.000000	0.000000	0.000000				50	23.35
400	1.590457	1.590457	1.590457				0.000000	0.000000	0.000000				50	23.35
410	1.516900	1.516900	1.516900				0.000000	0.000000	0.000000				50	23.35
420	1.448265	1.448265	1.448265				0.000000	0.000000	0.000000				50	23.35
430	1.384129	1.384129	1.384129				0.000000	0.000000	0.000000				50	23.35
440	1.428576	1.428576	1.428576				0.000000	0.000000	0.000000				50	23.35
450	1.367898	1.367898	1.367898				0.000000	0.000000	0.000000				50	23.35
460	1.310965	1.310965	1.310965				0.000000	0.000000	0.000000				50	23.35
470	1.257477	1.257477	1.257477				0.000000	0.000000	0.000000				50	23.35
480	1.412048	1.412048	1.412048				0.000000	0.000000	0.000000				50	23.35
490	1.356627	1.356627	1.356627				0.000000	0.000000	0.000000				50	23.35
500	1.304375	1.304375	1.304375				0.000000	0.000000	0.000000				50	23.35
600	1.981034	1.981034	1.981034				0.000000	0.000000	0.000000				50	23.35
700	2.303735	2.303735	2.303735				0.000000	0.000000	0.000000				50	23.35
800	2.583831	2.583831	2.583831				0.000000	0.000000	0.000000				50	23.35
900	2.046217	2.046217	2.046217				0.000000	0.000000	0.000000				50	23.35
1000	2.225901	2.225901	2.225901				0.000000	0.000000	0.000000				50	23.35
1100	1.841822	1.841822	1.841822				0.000000	0.000000	0.000000				50	23.35
1200	1.874033	1.874033	1.874033				0.000000	0.000000	0.000000				50	23.35
1300	1.597959	1.597959	1.597959				0.000000	0.000000	0.000000				50	23.35
1400	1.378619	1.378619	1.378619				0.000000	0.000000	0.000000				50	23.35
1500	1.201485	1.201485	1.201485				0.000000	0.000000	0.000000				50	23.35
1600	1.056391	1.056391	1.056391				0.000000	0.000000	0.000000				50	23.35
1700	1.014863	1.014863	1.014863				0.000000	0.000000	0.000000				50	23.35
1800	0.905470	0.905470	0.905470				0.000000	0.000000	0.000000				50	23.35
1900	0.812847	0.812847	0.812847				0.000000	0.000000	0.000000				50	23.35
2000	0.733733	0.733733	0.733733				0.000000	0.000000	0.000000				50	23.35

MPE ANALYSIS RESULTS		Midband Frequencies						Lowband Frequencies				Max. power density dist. (ft)		Pass or Fail
SECTOR	TECH	RAD CENTER (ft)	TOTAL PCS EIRP (W)	TOTAL AWS EIRP (W)	CATEGORICAL EXCLUSION RESULT	MAX POWER DENSITY (μW/cm²)	NEXT STEPS	TOTAL 700 MHz EIRP (W)	TOTAL 850 MHz EIRP (W)	MAX POWER DENSITY (μW/cm²)	NEXT STEPS	Midband	Lowband	
1	GSM,U19,L21,L19	89.90	6,771	6,748	Not Categorically Excluded	2.58	No further action needed	0		-	No further action needed	800	N/A	PASS
2	GSM,U19,L21,L19	89.90	6,771	6,748	Not Categorically Excluded	2.58	No further action needed	0		-	No further action needed	800	N/A	PASS
3	GSM,U19,L21,L19	89.90	6,771	6,748	Not Categorically Excluded	2.58	No further action needed	0		-	No further action needed	800	N/A	PASS

MPE SUMMARY REPORT

MPE RESULT : The site PASSED on the power density modelling.

NEXT STEP : Generate and save the MPE site report (PDF format) and no further action needed.

SIGN REQUIREMENTS (Note: The sign requirements below are from the result of the MPE analysis. Ability of an individual to come near the antenna can result in requiring signs also)

BLUE NOTICE AND YELLOW GUIDELINE	YELLOW CAUTION	RED WARNING
None Required	None Required	None Required