

Compliance Report

Project name: St. Joseph Manor
Project creation date: 6/1/2022

Design company: Mobile Comm.
Designer: Thomas Sullivan

BCPS - 700 MHz - P25

Signal strength				Min -95.00 dBm Target: 90.0 %							
		Average	Total area (Sq. feet)	Result (%)	Compliant	Result	Compliant	Result	Compliant	Result	Compliant
Building 1	Floor 1	N/A	24220.72	99.8	Yes						
	Floor 2	N/A	25465.19	100.0	Yes						
	Floor 3	N/A	25215.17	100.0	Yes						
	Floor 4	N/A	25483.63	100.0	Yes						
	Floor 5	N/A	25733.95	100.0	Yes						
	All Floors	N/A	126118.67	100.0	Yes						

BCPS - 800 MHz - SMR - P25

Signal strength				Min -95.00 dBm Target: 90.0 %							
		Average	Total area (Sq. feet)	Result (%)	Compliant	Result	Compliant	Result	Compliant	Result	Compliant
Building 1	Floor 1	N/A	24220.72	99.7	Yes						
	Floor 2	N/A	25465.19	99.9	Yes						
	Floor 3	N/A	25215.17	100.0	Yes						
	Floor 4	N/A	25483.63	100.0	Yes						
	Floor 5	N/A	25733.95	99.9	Yes						
	All Floors	N/A	126118.67	99.9	Yes						

Electromagnetic Field Report

Project name: St. Joseph Manor
Project creation date: 6/1/2022

Design company: Mobile Comm.
Designer: Thomas Sullivan

Antenna ID	System ID	Composite power		Power density (W/Sq. m)	Electric field (V/m)	Distance (in)	Power contribution (%)	Distance compliance (0.00 in)	Power compliance (0.00 dBm)
		Before ant. (dBm)	After ant. (EIRP) (dBm)						
ANT2	700 MHz - P25 - Sector N/A	6.63	8.64	3.8867	38.2784	0.48	53.42	Fail	-
ANT2	800 MHz - SMR - P25 - Sector N/A	6.46	8.47	4.2828	40.1820	0.45	46.58	Fail	-
ANT2	All systems	9.56	11.57	4.0712	39.1766	0.66	100.00	Fail	-
ANT3	700 MHz - P25 - Sector N/A	2.73	4.74	3.8867	38.2784	0.31	54.88	Fail	-
ANT3	800 MHz - SMR - P25 - Sector N/A	2.31	4.32	4.2828	40.1820	0.28	45.12	Fail	-
ANT3	All systems	5.54	7.55	4.0654	39.1488	0.42	100.00	Fail	-
ANT4	700 MHz - P25 - Sector N/A	7.27	9.28	3.8867	38.2784	0.52	53.59	Fail	-
ANT4	800 MHz - SMR - P25 - Sector N/A	7.07	9.08	4.2828	40.1820	0.48	46.41	Fail	-
ANT4	All systems	10.18	12.19	4.0706	39.1737	0.71	100.00	Fail	-
ANT5	700 MHz - P25 - Sector N/A	6.52	8.53	3.8867	38.2784	0.48	54.06	Fail	-
ANT5	800 MHz - SMR - P25 - Sector N/A	6.23	8.24	4.2828	40.1820	0.44	45.94	Fail	-
ANT5	All systems	9.39	11.40	4.0687	39.1645	0.65	100.00	Fail	-
ANT6	700 MHz - P25 - Sector N/A	8.97	10.98	3.8867	38.2784	0.63	55.36	Fail	-
ANT6	800 MHz - SMR - P25 - Sector N/A	8.45	10.46	4.2828	40.1820	0.57	44.64	Fail	-
ANT6	All systems	11.73	13.74	4.0635	39.1396	0.85	100.00	Fail	-
ANT7	700 MHz - P25 - Sector N/A	3.38	5.39	3.8867	38.2784	0.33	55.04	Fail	-
ANT7	800 MHz - SMR - P25 - Sector N/A	2.92	4.93	4.2828	40.1820	0.30	44.96	Fail	-
ANT7	All systems	6.17	8.18	4.0648	39.1460	0.45	100.00	Fail	-

Antenna ID	System ID	Composite power		Power density (W/Sq. m)	Electric field (V/m)	Distance (in)	Power contribution (%)	Distance compliance (0.00 in)	Power compliance (0.00 dBm)
		Before ant. (dBm)	After ant. (EIRP) (dBm)						
ANT8	700 MHz - P25 - Sector N/A	5.93	7.94	3.8867	38.2784	0.44	56.27	Fail	-
ANT8	800 MHz - SMR - P25 - Sector N/A	5.25	7.26	4.2828	40.1820	0.39	43.73	Fail	-
ANT8	All systems	8.61	10.62	4.0599	39.1222	0.59	100.00	Fail	-
ANT9	700 MHz - P25 - Sector N/A	7.59	9.60	3.8867	38.2784	0.54	53.74	Fail	-
ANT9	800 MHz - SMR - P25 - Sector N/A	7.36	9.37	4.2828	40.1820	0.50	46.26	Fail	-
ANT9	All systems	10.49	12.50	4.0699	39.1703	0.73	100.00	Fail	-
ANT10	700 MHz - P25 - Sector N/A	6.84	8.85	3.8867	38.2784	0.49	54.22	Fail	-
ANT10	800 MHz - SMR - P25 - Sector N/A	6.53	8.54	4.2828	40.1820	0.45	45.78	Fail	-
ANT10	All systems	9.70	11.71	4.0681	39.1616	0.67	100.00	Fail	-
ANT11	700 MHz - P25 - Sector N/A	9.29	11.30	3.8867	38.2784	0.65	55.51	Fail	-
ANT11	800 MHz - SMR - P25 - Sector N/A	8.75	10.76	4.2828	40.1820	0.59	44.49	Fail	-
ANT11	All systems	12.04	14.05	4.0629	39.1366	0.88	100.00	Fail	-
ANT12	700 MHz - P25 - Sector N/A	3.70	5.71	3.8867	38.2784	0.34	55.19	Fail	-
ANT12	800 MHz - SMR - P25 - Sector N/A	3.22	5.23	4.2828	40.1820	0.31	44.81	Fail	-
ANT12	All systems	6.48	8.49	4.0641	39.1426	0.46	100.00	Fail	-
ANT13	700 MHz - P25 - Sector N/A	6.25	8.26	3.8867	38.2784	0.46	56.42	Fail	-
ANT13	800 MHz - SMR - P25 - Sector N/A	5.56	7.57	4.2828	40.1820	0.41	43.58	Fail	-
ANT13	All systems	8.93	10.94	4.0594	39.1196	0.61	100.00	Fail	-
ANT14	700 MHz - P25 - Sector N/A	5.78	7.79	3.8867	38.2784	0.44	54.64	Fail	-
ANT14	800 MHz - SMR - P25 - Sector N/A	5.39	7.40	4.2828	40.1820	0.40	45.36	Fail	-
ANT14	All systems	8.60	10.61	4.0663	39.1531	0.59	100.00	Fail	-

Antenna ID	System ID	Composite power		Power density (W/Sq. m)	Electric field (V/m)	Distance (in)	Power contribution (%)	Distance compliance (0.00 in)	Power compliance (0.00 dBm)
		Before ant. (dBm)	After ant. (EIRP) (dBm)						
ANT15	700 MHz - P25 - Sector N/A	5.02	7.03	3.8867	38.2784	0.40	55.12	Fail	-
ANT15	800 MHz - SMR - P25 - Sector N/A	4.55	6.56	4.2828	40.1820	0.36	44.88	Fail	-
ANT15	All systems	7.80	9.81	4.0645	39.1442	0.54	100.00	Fail	-
ANT16	700 MHz - P25 - Sector N/A	7.45	9.46	3.8867	38.2784	0.53	56.42	Fail	-
ANT16	800 MHz - SMR - P25 - Sector N/A	6.75	8.76	4.2828	40.1820	0.47	43.58	Fail	-
ANT16	All systems	10.12	12.13	4.0593	39.1194	0.70	100.00	Fail	-
ANT17	700 MHz - P25 - Sector N/A	1.87	3.88	3.8867	38.2784	0.28	56.09	Fail	-
ANT17	800 MHz - SMR - P25 - Sector N/A	1.22	3.23	4.2828	40.1820	0.25	43.91	Fail	-
ANT17	All systems	4.57	6.58	4.0606	39.1255	0.37	100.00	Fail	-
ANT18	700 MHz - P25 - Sector N/A	4.40	6.41	3.8867	38.2784	0.37	57.32	Fail	-
ANT18	800 MHz - SMR - P25 - Sector N/A	3.54	5.55	4.2828	40.1820	0.32	42.67	Fail	-
ANT18	All systems	7.00	9.01	4.0557	39.1018	0.49	100.00	Fail	-
ANT19	700 MHz - P25 - Sector N/A	8.86	10.87	3.8867	38.2784	0.62	54.71	Fail	-
ANT19	800 MHz - SMR - P25 - Sector N/A	8.46	10.47	4.2828	40.1820	0.57	45.29	Fail	-
ANT19	All systems	11.67	13.68	4.0661	39.1519	0.84	100.00	Fail	-
ANT20	700 MHz - P25 - Sector N/A	7.95	9.96	3.8867	38.2784	0.56	55.29	Fail	-
ANT20	800 MHz - SMR - P25 - Sector N/A	7.45	9.46	4.2828	40.1820	0.50	44.71	Fail	-
ANT20	All systems	10.72	12.73	4.0638	39.1408	0.75	100.00	Fail	-
ANT21	700 MHz - P25 - Sector N/A	10.56	12.57	3.8867	38.2784	0.76	56.47	Fail	-
ANT21	800 MHz - SMR - P25 - Sector N/A	9.85	11.86	4.2828	40.1820	0.66	43.53	Fail	-
ANT21	All systems	13.23	15.24	4.0591	39.1184	1.01	100.00	Fail	-

Antenna ID	System ID	Composite power		Power density (W/Sq. m)	Electric field (V/m)	Distance (in)	Power contribution (%)	Distance compliance (0.00 in)	Power compliance (0.00 dBm)
		Before ant. (dBm)	After ant. (EIRP) (dBm)						
ANT22	700 MHz - P25 - Sector N/A	4.97	6.98	3.8867	38.2784	0.40	56.15	Fail	-
ANT22	800 MHz - SMR - P25 - Sector N/A	4.32	6.33	4.2828	40.1820	0.35	43.85	Fail	-
ANT22	All systems	7.67	9.68	4.0604	39.1244	0.53	100.00	Fail	-
ANT23	700 MHz - P25 - Sector N/A	7.53	9.54	3.8867	38.2784	0.53	57.37	Fail	-
ANT23	800 MHz - SMR - P25 - Sector N/A	6.66	8.67	4.2828	40.1820	0.46	42.63	Fail	-
ANT23	All systems	10.12	12.13	4.0555	39.1010	0.71	100.00	Fail	-
ANT5001	700 MHz - P25 - Sector N/A	5.88	7.89	3.8867	38.2784	0.44	53.90	Fail	-
ANT5001	800 MHz - SMR - P25 - Sector N/A	5.62	7.63	4.2828	40.1820	0.41	46.10	Fail	-
ANT5001	All systems	8.76	10.77	4.0693	39.1673	0.60	100.00	Fail	-
ANT5002	700 MHz - P25 - Sector N/A	8.32	10.33	3.8867	38.2784	0.59	55.20	Fail	-
ANT5002	800 MHz - SMR - P25 - Sector N/A	7.83	9.84	4.2828	40.1820	0.53	44.80	Fail	-
ANT5002	All systems	11.09	13.10	4.0641	39.1425	0.79	100.00	Fail	-
ANT5003	700 MHz - P25 - Sector N/A	5.28	7.29	3.8867	38.2784	0.41	56.11	Fail	-
ANT5003	800 MHz - SMR - P25 - Sector N/A	4.63	6.64	4.2828	40.1820	0.36	43.89	Fail	-
ANT5003	All systems	7.98	9.99	4.0605	39.1251	0.55	100.00	Fail	-

System ID	EMF statistics (safety distance)					
	Average (in)	Std. dev. (in)	Minimum		Maximum	
			Antenna ID	(in)	Antenna ID	(in)
700 MHz - P25 - Sector N/A	0.48	0.12	ANT17	0.28	ANT21	0.76
800 MHz - SMR - P25 - Sector N/A	0.43	0.10	ANT17	0.25	ANT21	0.66

System legend	
BCPS / P25 / 700 MHz (@ 775 MHz) / Phase 2 / Nb. of channels: 20 / Nb. of sources: 1	

System legend

BCPS / P25 / 800 MHz - SMR (@ 854 MHz) / NPSPAC / Nb. of channels: 30 / Nb. of sources: 1

Based on: ICNIRP limits for general public exposure to time-varying electric fields, as defined in Table 7 of Guidelines for limiting exposure to time-varying electric, magnetic, and electromagnetic fields

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Page 6 / 7

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Compliance Report

Project name: St. Joseph Manor

Design company: Mobile Comm.

Project creation date: 6/1/2022

Designer: Thomas Sullivan

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