

Report No.: SEWA2309000114RG02

Rev.: 01

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Field Strength of Spurious Radiation

Test Band = NR SA Band 77 3700M-3980M_ TM1
Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	6779.5	40.84	-43.79	34.80	-63.41	-13.00	50.41	Horizontal
2	8019	37.87	-42.11	36.79	-62.71	-13.00	49.71	Horizontal
3	9660.5	34.20	-39.22	37.55	-62.72	-13.00	49.72	Horizontal
4	11443.5	29.66	-37.02	38.74	-63.87	-13.00	50.87	Horizontal
5	13844	27.71	-35.77	40.62	-62.70	-13.00	49.70	Horizontal
6	16475.5	28.29	-33.52	40.67	-59.82	-13.00	46.82	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	6676	41.06	-43.46	34.62	-63.04	-13.00	50.04	Vertical
2	8410.5	39.01	-41.55	36.59	-61.21	-13.00	48.21	Vertical
3	10840.5	30.43	-38.09	38.62	-64.30	-13.00	51.30	Vertical
4	14630	26.40	-35.19	41.15	-62.90	-13.00	49.90	Vertical
5	15342	26.00	-33.91	40.58	-62.59	-13.00	49.59	Vertical
6	17244.5	29.43	-35.27	43.40	-57.70	-13.00	44.70	Vertical



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Test Band = NR SA Band 77 3700M-3980M_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	6722.5	40.55	-43.40	34.70	-63.40	-13.00	50.40	Horizontal
2	7785.5	38.53	-42.41	36.71	-62.42	-13.00	49.42	Horizontal
3	9640.5	34.51	-39.16	37.52	-62.39	-13.00	49.39	Horizontal
4	11496	28.95	-37.09	38.75	-64.65	-13.00	51.65	Horizontal
5	13850	27.48	-35.71	40.63	-62.86	-13.00	49.86	Horizontal
6	17244.5	29.26	-35.27	43.40	-57.87	-13.00	44.87	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7409.5	40.10	-43.24	36.35	-62.06	-13.00	49.06	Vertical
2	10112	32.98	-39.06	38.26	-63.09	-13.00	50.09	Vertical
3	12224.5	28.07	-37.11	38.87	-65.43	-13.00	52.43	Vertical
4	14294.5	27.37	-35.86	41.02	-62.73	-13.00	49.73	Vertical
5	16458.5	28.71	-33.63	40.62	-59.56	-13.00	46.56	Vertical
6	17955.5	28.93	-34.45	46.60	-54.18	-13.00	41.18	Vertical



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Test Band = NR SA Band 77 3700M-3980M_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	6996.5	40.08	-43.23	35.19	-63.22	-13.00	50.22	Horizontal
2	9404.5	34.43	-39.58	37.07	-63.34	-13.00	50.34	Horizontal
3	12078.5	27.72	-37.17	38.82	-65.89	-13.00	52.89	Horizontal
4	13877	27.21	-35.46	40.68	-62.83	-13.00	49.83	Horizontal
5	16457.5	28.51	-33.64	40.62	-59.77	-13.00	46.77	Horizontal
6	17966	29.32	-34.41	46.65	-53.70	-13.00	40.70	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7782.5	38.87	-42.43	36.71	-62.10	-13.00	49.10	Vertical
2	9600	34.70	-39.03	37.44	-62.15	-13.00	49.15	Vertical
3	11395	29.32	-36.98	38.74	-64.19	-13.00	51.19	Vertical
4	13891	26.88	-35.32	40.70	-63.00	-13.00	50.00	Vertical
5	15155.5	27.09	-34.60	40.97	-61.80	-13.00	48.80	Vertical
6	17682	27.33	-33.41	45.37	-55.97	-13.00	42.97	Vertical



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Test Band = UL MIMO n77 3700M-3980M_ TM1
Test Channel = Low Channel
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8729.5625	38.02	-39.16	38.30	-58.10	-13.00	45.10	296	17	Horizontal
2	13331	34.24	-35.06	39.80	-56.28	-13.00	43.28	265	277	Horizontal
3	17430.2708	32.93	-31.81	40.32	-53.82	-13.00	40.82	284	200	Horizontal
4	7482.18	39.13	-41.66	36.49	-61.30	-13.00	48.30	142	3	Horizontal
5	11223.27	32.19	-35.10	39.38	-58.79	-13.00	45.79	263	258	Horizontal
6	14964.36	31.48	-34.32	39.24	-58.86	-13.00	45.86	225	277	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9561.3958	38.00	-37.90	38.54	-56.62	-13.00	43.62	196	126	Vertical
2	13463.25	33.84	-34.33	39.88	-55.88	-13.00	42.88	265	360	Vertical
3	16677.0208	33.59	-32.90	38.37	-56.20	-13.00	43.20	284	52	Vertical
4	7482.18	39.12	-41.66	36.49	-61.31	-13.00	48.31	142	197	Vertical
5	11223.27	32.22	-35.10	39.38	-58.76	-13.00	45.76	263	71	Vertical
6	14964.36	30.81	-34.32	39.24	-59.53	-13.00	46.53	228	307	Vertical



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Test Band = UL MIMO n77 3700M-3980M_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9958.625	36.07	-37.13	38.50	-57.81	-13.00	44.81	196	204	Horizontal
2	14067.4792	33.59	-34.96	40.13	-56.49	-13.00	43.49	265	259	Horizontal
3	17329.1667	32.93	-31.77	39.92	-54.19	-13.00	41.19	284	318	Horizontal
4	7590.18	38.01	-41.27	36.68	-61.84	-13.00	48.84	142	3	Horizontal
5	11835.27	32.05	-35.25	38.76	-59.69	-13.00	46.69	254	3	Horizontal
6	15180.36	30.56	-33.62	38.97	-59.35	-13.00	46.35	163	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9567.625	37.59	-37.88	38.54	-57.01	-13.00	44.01	142	356	Vertical
2	13324.7708	33.80	-35.07	39.79	-56.74	-13.00	43.74	265	167	Vertical
3	17274.0625	33.44	-31.82	39.70	-53.95	-13.00	40.95	284	205	Vertical
4	7590.18	38.00	-41.27	36.68	-61.85	-13.00	48.85	142	39	Vertical
5	11835.27	32.04	-35.25	38.76	-59.70	-13.00	46.70	263	75	Vertical
6	15180.36	31.41	-33.62	38.97	-58.50	-13.00	45.50	228	94	Vertical



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Test Band = UL MIMO n77 3700M-3980M_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9616.0208	37.28	-37.76	38.54	-57.20	-13.00	44.20	265	148	Horizontal
2	13591.6667	34.44	-34.37	39.95	-55.24	-13.00	42.24	284	351	Horizontal
3	17654.5208	32.41	-31.43	41.22	-53.06	-13.00	40.06	142	298	Horizontal
4	7770.18	38.38	-41.00	37.04	-60.84	-13.00	47.84	263	360	Horizontal
5	11655.27	31.73	-35.22	38.94	-59.80	-13.00	46.80	226	148	Horizontal
6	15540.36	31.72	-33.41	38.50	-58.45	-13.00	45.45	295	279	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9692.6875	36.25	-37.66	38.53	-58.14	-13.00	45.14	196	94	Vertical
2	13592.625	34.31	-34.38	39.96	-55.37	-13.00	42.37	265	359	Vertical
3	17333.4792	32.53	-31.77	39.93	-54.57	-13.00	41.57	284	347	Vertical
4	7770.18	38.34	-41.00	37.04	-60.88	-13.00	47.88	142	359	Vertical
5	11655.27	31.88	-35.22	38.94	-59.65	-13.00	46.65	226	17	Vertical
6	15540.36	31.23	-33.41	38.50	-58.94	-13.00	45.94	287	360	Vertical



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Test Band = DC_5A-n77A 3700M-3980M_ TM1
Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6556.1667	52.34	-102.43	-50.09	-13.00	37.09	152	36	Horizontal
2	7310.18	47.46	-100.63	-53.17	-13.00	40.17	263	168	Horizontal
3	8733.1667	48.65	-96.10	-47.45	-13.00	34.45	241	177	Horizontal
4	10965.27	41.14	-91.32	-50.18	-13.00	37.18	175	357	Horizontal
5	14620.36	41.18	-89.81	-48.63	-13.00	35.63	263	36	Horizontal
6	17694.3333	46.64	-84.98	-38.34	-13.00	25.34	241	288	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7310.18	47.64	-100.63	-52.99	-13.00	39.99	263	160	Vertical
2	8707.5	49.07	-96.21	-47.14	-13.00	34.14	254	20	Vertical
3	10965.27	41.90	-91.32	-49.42	-13.00	36.42	144	310	Vertical
4	13118.666	45.66	-90.23	-44.57	-13.00	31.57	263	40	Vertical
5	14620.36	40.04	-89.81	-49.77	-13.00	36.77	255	100	Vertical
6	17695.5	42.65	-84.97	-42.32	-13.00	29.32	148	180	Vertical



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Test Band = DC_5A-n77A 3700M-3980M_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7590.18	49.41	-99.85	-50.44	-13.00	37.44	142	357	Horizontal
2	9314.1667	49.72	-94.98	-45.26	-13.00	32.26	263	317	Horizontal
3	11835.27	42.59	-91.75	-49.16	-13.00	36.16	284	278	Horizontal
4	13619.1667	45.24	-89.79	-44.55	-13.00	31.55	176	357	Horizontal
5	15180.36	41.33	-89.91	-48.58	-13.00	35.58	254	298	Horizontal
6	17694.3333	46.69	-84.98	-38.29	-13.00	25.29	144	357	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7590.18	48.09	-99.85	-51.76	-13.00	38.76	263	157	Vertical
2	9059.8333	47.99	-95.35	-47.36	-13.00	34.36	284	168	Vertical
3	11835.27	42.05	-91.75	-49.70	-13.00	36.70	175	128	Vertical
4	13597	44.72	-89.70	-44.98	-13.00	31.98	265	227	Vertical
5	15180.36	42.25	-89.91	-47.66	-13.00	34.66	241	278	Vertical
6	17856.5	42.33	-84.28	-41.95	-13.00	28.95	199	57	Vertical



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Test Band = DC_5A-n77A 3700M-3980M_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7870.18	46.42	-98.77	-52.35	-13.00	39.35	263	349	Horizontal
2	8727.3333	48.84	-96.13	-47.29	-13.00	34.29	251	147	Horizontal
3	11805.27	44.02	-91.86	-47.84	-13.00	34.84	142	65	Horizontal
4	13644.8333	45.63	-89.90	-44.27	-13.00	31.27	266	147	Horizontal
5	15740.36	41.90	-90.73	-48.83	-13.00	35.83	241	1	Horizontal
6	17694.3333	46.68	-84.98	-38.30	-13.00	25.30	185	298	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7870.18	46.29	-98.77	-52.48	-13.00	39.48	142	357	Vertical
2	10312.8333	47.01	-93.22	-46.21	-13.00	33.21	263	0	Vertical
3	11805.27	42.72	-91.86	-49.14	-13.00	36.14	285	166	Vertical
4	13091.8333	46.02	-90.25	-44.23	-13.00	31.23	265	317	Vertical
5	15740.36	41.99	-90.73	-48.74	-13.00	35.74	241	306	Vertical
6	17772.5	42.34	-84.50	-42.16	-13.00	29.16	188	258	Vertical



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Test Band = DC_7A-n77A 3700M-3980M_ TM1
Test Channel = Low Channel
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	55.90	-104.42	-48.52	-13.00	35.52	142	168	Horizontal
2	7310.18	48.61	-100.63	-52.02	-13.00	39.02	263	127	Horizontal
3	9173	48.82	-95.03	-46.21	-13.00	33.21	284	270	Horizontal
4	10965.27	41.72	-91.32	-49.60	-13.00	36.60	176	56	Horizontal
5	14620.36	39.91	-89.81	-49.90	-13.00	36.90	251	219	Horizontal
6	17694.3333	47.61	-84.98	-37.37	-13.00	24.37	144	238	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	59.50	-104.42	-44.92	-13.00	31.92	163	288	Vertical
2	7310.18	48.76	-100.63	-51.87	-13.00	38.87	284	95	Vertical
3	8729.6667	49.58	-96.12	-46.54	-13.00	33.54	175	75	Vertical
4	10965.27	42.19	-91.32	-49.13	-13.00	36.13	263	277	Vertical
5	14745	46.94	-90.01	-43.07	-13.00	30.07	255	24	Vertical
6	17864.6667	42.68	-84.28	-41.60	-13.00	28.60	144	277	Vertical



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Test Band = DC_7A-n77A 3700M-3980M_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	55.52	-104.42	-48.90	-13.00	35.90	163	207	Horizontal
2	7590.18	49.34	-99.85	-50.51	-13.00	37.51	225	248	Horizontal
3	9306	49.92	-95.04	-45.12	-13.00	32.12	142	96	Horizontal
4	11835.27	42.42	-91.75	-49.33	-13.00	36.33	263	229	Horizontal
5	15180.36	41.60	-89.91	-48.31	-13.00	35.31	288	222	Horizontal
6	17694.3333	48.19	-84.98	-36.79	-13.00	23.79	175	211	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	59.53	-104.42	-44.89	-13.00	31.89	263	298	Vertical
2	7590.18	48.81	-99.85	-51.04	-13.00	38.04	251	56	Vertical
3	8839.3333	48.27	-95.79	-47.52	-13.00	34.52	142	157	Vertical
4	11835.27	42.33	-91.75	-49.42	-13.00	36.42	263	1	Vertical
5	15180.36	41.71	-89.91	-48.20	-13.00	35.20	288	107	Vertical
6	17573	41.42	-86.26	-44.84	-13.00	31.84	144	25	Vertical



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Test Band = DC_7A-n77A 3700M-3980M_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	56.14	-104.42	-48.28	-13.00	35.28	163	66	Horizontal
2	7870.18	47.00	-98.77	-51.77	-13.00	38.77	255	0	Horizontal
3	9216.1667	49.12	-94.93	-45.81	-13.00	32.81	142	358	Horizontal
4	11805.27	42.40	-91.86	-49.46	-13.00	35.57	263	198	Horizontal
5	15740.36	42.02	-90.73	-48.71	-13.00	35.71	142	108	Horizontal
6	17694.3333	48.33	-84.98	-36.65	-13.00	23.65	266	1	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	58.76	-104.42	-45.66	-13.00	32.66	241	97	Vertical
2	7870.18	47.13	-98.77	-51.64	-13.00	38.64	175	258	Vertical
3	11805.27	43.30	-91.86	-48.56	-13.00	34.86	263	96	Vertical
4	13591.1667	45.38	-89.68	-44.30	-13.00	31.30	285	77	Vertical
5	15740.36	42.15	-90.73	-48.58	-13.00	35.58	244	357	Vertical
6	17865.8333	42.66	-84.27	-41.61	-13.00	28.61	166	263	Vertical



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Test Band = NR UL CA n2A-n77A 3700M-3980M_ TM1
Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	33.98	-87.27	-53.29	-13.00	40.29	263	178	Horizontal
2	5553.27	50.87	-105.32	-54.45	-13.00	41.45	251	215	Horizontal
3	7310.18	48.74	-100.63	-51.89	-13.00	38.89	263	103	Horizontal
4	7404.36	48.35	-100.78	-52.43	-13.00	39.43	174	83	Horizontal
5	10965.27	41.88	-91.32	-49.44	-13.00	36.44	284	114	Horizontal
6	14620.36	40.71	-89.81	-49.10	-13.00	36.10	144	0	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	33.08	-87.27	-54.19	-13.00	41.19	263	309	Vertical
2	5553.27	50.49	-105.32	-54.83	-13.00	41.83	251	74	Vertical
3	7310.18	48.03	-100.63	-52.60	-13.00	39.60	174	0	Vertical
4	7404.36	49.09	-100.78	-51.69	-13.00	38.69	186	227	Vertical
5	10965.27	41.93	-91.32	-49.39	-13.00	36.39	254	338	Vertical
6	14620.36	40.44	-89.81	-49.37	-13.00	36.37	144	187	Vertical



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Test Band = NR UL CA n2A-n77A 3700M-3980M_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.18	34.58	-86.91	-52.33	-13.00	39.33	256	307	Horizontal
2	5613.27	50.51	-105.35	-54.84	-13.00	41.84	251	326	Horizontal
3	7484.36	47.12	-100.42	-53.30	-13.00	40.30	144	112	Horizontal
4	7590.18	48.49	-99.85	-51.36	-13.00	38.36	163	193	Horizontal
5	11835.27	42.68	-91.75	-49.07	-13.00	36.07	251	153	Horizontal
6	15180.36	42.67	-89.91	-47.24	-13.00	34.24	142	184	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.18	35.18	-86.91	-51.73	-13.00	38.73	142	44	Vertical
2	5613.27	50.29	-105.35	-55.06	-13.00	42.06	265	274	Vertical
3	7484.36	48.02	-100.42	-52.40	-13.00	39.40	254	274	Vertical
4	7590.18	48.96	-99.85	-50.89	-13.00	37.89	144	71	Vertical
5	11835.27	42.25	-91.75	-49.50	-13.00	36.50	185	82	Vertical
6	15180.36	41.93	-89.91	-47.98	-13.00	34.98	265	357	Vertical



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