

Mobile Station OTA Radiated Power

Infomation	
Operator	ATEN
Project Number	PCU-8
Manufacturer	ACTIVE
Model Name	F1919
Serial Number/ESN/IMEI	N/A
FCC ID Number	N/A
Hardware Verson	1
Software Verson	3.6.1 Beta
Test Condition	Free Space
Tempurature	N/A
Humidity	N/A
Note	N/A
Start Time	45408.66811
Stop Time	45408.67795

Test List

1 Power Search Ch. 0.92 GHz

	1 Power Search Ch. 0.92 GHz	
Total Rad. Pow.	10.1	dBm
Ant. Port Inp. Pow	30	dBm
Peak EIRP	13.01	dBm
Directivity	2.91	dBi
Efficiency	-19.9	dB
Efficiency	1.02	%
Gain	-16.99	dBi

Maximum Theta V	11.3	dBm
Maximum Theta @	165	deg.
Maximum Theta @	90	deg.
Minimum Theta V	-9.82	dBm
Minimum Theta @	165	deg.
Minimum Theta @	0	deg.
Maximum Phi Val	12.25	dBm
Maximum Phi @	120	deg.
Maximum Phi @	165	deg.
Minimum Phi Val	-24.63	dBm
Minimum Phi @	90	deg.
Minimum Phi @	90	deg.
Maximum Total V	13.01	dBm
Maximum Total @	120	deg.
Maximum Total @	165	deg.
Minimum Total V	0.37	dBm
Minimum Total @	60	deg.
Minimum Total @	90	deg.

1 Power
Search Ch.
0.92 GHz

TRP		
Total Rad. Pow.	10.1 dBr	10.1
Avg. Pow. Sp. Pow.	36 dBr	15
Peak EIRP	13.01 dBr	13.01
Directivity	2.91 dBr	2.91
Efficiency	-19.9 dBr	-4.9
Efficiency	1.02 %	32.36
Gain	-10.9 dBr	-1.99

Maximum Theta	11.5 dBr
Maximum Theta	105 deg
Maximum Theta	98 deg
Maximum Theta	-5.85 dBr
Maximum Theta	105 deg
Maximum Theta	4 deg
Maximum Phi Val	12.25 dBr
Maximum Phi W	1.39 deg
Maximum Phi W	105 deg
Maximum Phi Val	-24.65 dBr
Maximum Phi W	98 deg
Maximum Phi W	98 deg
Maximum Total V	13.01 dBr
Maximum Total V	105 deg
Maximum Total V	0.17 dBr
Maximum Total V	66 deg
Maximum Total V	98 deg

Test Data

Theta (H)

	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345
15	-6.14	-4.54	3.03	6.55	7.85	8.61	8.43	7.96	6.8	4.8	1.1	-3.88	-6.53	-1.45	5.52	8.22	9.87	10.03	11.2	10.92	10.01	8.46	5.93	1.75
30	-1.36	-1.58	1.01	4.21	5.71	6.26	6.6	6.46	5.47	3.65	0.08	-2.32	-3.35	2.03	5.74	7.95	9.46	10.47	10.26	10.5	9.87	8.76	6.47	2.61
45	3.38	0	2.26	2.86	3.24	3.52	3.61	3.57	3.28	1.28	-1.22	-4.02	-2.81	1.15	4.53	7.02	8.41	9.78	9.68	9.69	9.47	8.72	7.67	6.11
60	4.77	4.99	4.24	3.4	2.18	1.08	-0.12	-0.12	0.38	1.38	2.93	4.32	5.57	6.63	7.03	7.45	7.56	7.69	7.68	6.77	6.45	5.97	5.35	4.94
75	4.16	4.55	4.68	4.74	4.48	4.61	4.82	4.95	5.32	5.77	5.85	5.88	5.59	5.46	5.05	4.85	4.53	3.97	3.5	3.18	2.86	3.18	3.54	4.23
90	5.41	6.19	6.46	6.57	6.47	6.56	6.52	6.14	6.09	6.31	6.03	5.83	5.56	4.72	3.78	3.08	2.68	2.48	2.14	2.22	2.84	2.91	3.4	4.06
105	4.48	6	7.04	6.58	5.41	5.01	5.04	5.07	5.25	5.66	5.98	6.02	4.25	3.28	2.45	2.25	2.45	2.59	3.21	3.55	3.53	2.79	1.2	2.27
120	5.24	7.11	6.78	6.08	10.51	11.03	10.33	10.46	9.67	6.58	6.87	5.96	3.98	3.34	1.82	4.05	4.79	5.26	5.4	5.98	4.38	3.11	1.76	2.46
135	1.41	3.8	6.53	8.46	9.83	10.44	10.64	10.39	9.61	8.39	6.5	4.46	2.72	3.33	5.72	7.3	8.35	8.61	8.58	8.14	7.03	5.69	4.2	3.84
150	4.56	6.29	7.93	8.83	10.46	11.23	11.05	10.52	8.93	6.98	5.4	4.08	6.26	3.68	6.44	8.45	8.26	8.93	8.93	8.46	6.61	7.14	4.74	3.56
165	-9.82	0.63	5.69	6.68	10.32	11.17	11.3	10.78	9.54	7.67	4.25	-0.11	-7.25	-1.11	3.92	7	8.77	9.68	10.31	10.23	9.73	8.5	6.32	1.85

Phi (V)

	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345
15	10.32	10.13	9.12	7.98	4.63	-1.52	-20.29	-1.03	4.45	7.48	9.64	9.94	10.23	9.24	8.65	6.57	2.98	-3.87	-12.61	-0.32	4.57	7.42	9.38	10.3
30	10.68	10.15	9.21	7.69	4.45	-1.86	-18.93	-0.38	4.95	7.62	9.49	10.38	10.63	10.18	9.24	7.59	4.19	-1.91	-15.75	-1.82	3.89	7.02	8.93	10.1
45	10.57	10.51	9.53	7.82	4.88	-0.79	-15.81	0.01	5.73	8.67	10.38	11.41	11.75	11.47	10.58	8.53	5.44	0.28	-14.10	-2.56	3.63	7.05	9.26	10.57
60	10.68	10.47	9.51	7.74	4.5	-2.25	-0.32	1.78	6.47	9.2	10.67	11.3	11.47	11.04	9.11	8.15	4.28	-1.28	-10.98	2.81	3.17	6.46	4.44	9.45
75	10.39	10.57	9.68	8.19	4.97	-0.8	-24.32	-0.57	5.06	7.99	9.47	10.01	10	9.58	8.81	6.88	4.69	-1.29	-14.61	-4.59	2.03	5.57	7.68	9.01
90	10.68	10.7	9.78	8.13	4.91	-1.23	-24.03	-1.88	3.81	7.05	8.81	10.05	10.46	9.95	8.51	6.35	2.66	-3.58	-23.25	-2.65	3.07	6.63	8.95	10.31
105	10.01	9.97	8.98	7.38	4.47	-1.13	-11.71	-0.77	5.71	8.45	10.01	11.76	12.11	11.5	9.85	7.11	3.88	-2.41	-22.11	-2.49	3.23	6.87	9.1	10.74
120	10.87	10.49	9.28	6.84	3.39	-6.12	-4.76	3.46	6.01	10.26	11.45	12.25	12.27	11.41	9.88	7.33	3.48	-3.6	-11.81	-0.41	4.6	7.45	9.27	10.3
135	10.68	10.7	9.72	7.51	3.66	-5.08	-5.69	3.21	7.24	9.23	10.46	10.97	10.64	10.3	9.02	6.67	3.86	-4.35	-10.13	0.75	5.21	7.65	9.07	9.79
150	10.41	9.61	8.16	3.29	0.56	-12.07	-2.67	3.51	6.87	8.89	9.99	10.54	10.59	10.15	9.03	6.85	3.18	-3.99	-11.69	0.54	4.93	7.34	8.88	9.69
165	10.4	10.22	9.34	7.44	4.34	-1.29	-18.81	-0.61	4.89	7.59	9.2	10.11	10.51	10.42	9.52	8.44	6.03	1.83	-6.81	-3.94	2.97	6.35	8.65	9.89

Total (H+V)

	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	
15	10.42	10.49	10.27	10	9.54	9.03	8.44	8.48	8.79	9.29	9.99	10.06	10.29	10.34	10.17	10.46	10.69	11.08	11.22	11.24	11.1	10.98	11	10.87	
30	10.62	10.43	9.95	9.32	8.14	7.14	6.81	7.26	8.23	9.07	10.05	10.55	10.4	10.4	10.44	10.64	10.61	10.72	10.77	10.75	10.84	10.89	10.88	10.98	
45	11.42	11.22	10.33	9.02	7.15	4.89	3.47	4.46	7.04	9.1	10.49	11.57	12.11	12.27	12.01	11.48	10.86	10.15	9.71	9.75	9.89	10.39	11	11.38	
60	11.68	11.56	10.68	9.1	6.51	3.7	0.37	3.92	7.41	9.49	11.32	12.1	12.47	12.36	11.72	11.01	9.56	8.66	7.98	7.75	8.13	9.19	10.14	10.5	
75	11.32	11.38	10.87	9.81	7.74	5.71	4.83	6.03	8.2	10.01	11.04	11.43	11.54	11.01	10.24	8.98	7.3	5.1	3.87	3.81	5.47	7.92	9.3	10.25	
90	11.95	12.02	11.43	10.43	8.77	7.23	6.32	6.78	8.11	9.69	10.66	11.44	11.68	11.09	9.77	8.68	5.68	3.7	2.72	3.92	6	8.13	10.01	11.23	
105	11.15	11.43	11.17	11.03	10.62	10.69	9.97	10.04	10.76	11.54	12.33	12.5	12.3	12.13	10.58	8.55	6.21	3.65	3.34	4.51	6.3	8.3	9.92	11.22	
120	11.05	12.1	12.05	11.72	11.51	11.1	11.05	11.25	11.4	11.95	12.5	12.4	12.01	12.71	11.81	10.64	8.35	7.19	5.81	5.46	6.36	7.65	8.81	10.97	
135	11.43	11.51	11.42	11.02	10.77	10.56	10.74	11.15	11.6	11.44	11.95	11.84	11.29	11.09	10.69	10	9.42	8.81	8.64	8.87	9.23	9.79	10.3	10.78	
150	10.54	10.84	11.05	11.14	10.91	11.23	11.23	11.17	11.05	11.08	10.93	10.9	10.98	11.03	10.95	10.73	10.53	9.99	9.94	10.01	10.19	10.25	10.3	10.32	
165	10.51	10.7	10.9	10.9	11.11	11.3	11.39	11.3	11.06	10.77	10.63	10.4	10.51	10.58	10.71	10.89	10.79	10.62	10.51	10.36	10.4	10.58	10.65	10.4	10.51