

# Mobile Station OTA Radiated Power

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

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## Test List

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1 Power Search Ch. 0.92 GHz

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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**

ERP		
Total Rad. Pow.	10.1 dBm	10.1
Avg. Pow. Den. Pow.	30 dBm	15
Peak ERP	110.0 dBm	110.0
Bandwidth	2.97 MHz	2.91
Efficiency	-19.9 dB	-4.9
Gain	102%	32.36
Gain	-10.98 dB	-1.99

Maximum Total	11.3 dBm
Maximum Total	105 dBm
Maximum Total	98 dBm
Maximum Total	-1.82 dBm
Maximum Total	105 dBm
Maximum Total	105 dBm
Maximum Total	112.7 dBm
Maximum Total	1.3 dBm
Maximum Total	105 dBm
Maximum Total	-20.63 dBm
Maximum Total	98 dBm
Maximum Total	98 dBm
Maximum Total	15.03 dBm
Maximum Total	105 dBm
Maximum Total	105 dBm
Maximum Total	0.17 dBm
Maximum Total	98 dBm
Maximum Total	98 dBm

**Test Data**

**Total (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	-6.10	-0.50	3.03	6.55	7.85	8.61	8.03	7.96	6.8	4.0	1.1	-3.88	-6.53	1.45	5.52	8.22	9.87	10.03	11.2	10.02	10.01	8.06	5.93	1.75
30	-1.36	-1.58	1.01	4.27	5.71	6.26	6.0	6.44	5.47	3.65	0.88	-2.32	-3.38	2.01	5.74	8.75	7.95	9.40	10.67	10.26	10.5	9.87	8.70	6.67
45	3.28	0	2.28	2.80	3.24	3.52	3.61	3.57	1.28	-1.23	-4.82	-2.81	1.15	4.51	7.02	8.81	9.26	9.60	9.69	9.47	8.72	7.67	6.11	4.56
60	4.77	4.99	4.24	3.4	2.18	1.00	-0.12	-0.12	0.28	1.28	2.03	4.32	5.57	6.63	7.05	7.45	7.56	7.69	7.08	6.77	6.44	5.97	5.35	4.94
75	4.19	4.55	4.68	4.74	4.48	4.61	4.82	4.95	4.52	5.77	5.85	5.88	5.59	5.64	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	6.66	6.57	6.67	6.59	6.52	6.14	6.09	6.21	6.01	5.83	5.56	4.72	3.76	3.34	2.66	2.14	2.12	2.46	2.91	3.70	4.4	4.08
105	4.48	4.1	3.64	3.50	3.41	3.60	3.94	3.97	3.26	3.64	3.94	4.03	4.25	3.26	2.47	2.25	2.45	2.74	3.21	3.55	3.53	3.29	3.2	3.25
120	5.24	7.11	8.78	9.98	10.81	11.03	10.93	10.46	10.67	9.55	6.87	5.06	3.98	3.34	3.43	4.05	4.79	5.28	5.4	5.08	4.58	4.11	3.70	3.46
135	1.41	3.8	6.63	8.46	9.83	10.44	10.64	10.39	9.61	8.39	6.3	4.46	2.72	3.33	5.72	7.3	8.35	8.61	8.36	8.14	7.03	5.69	4.2	3.84
150	4.56	6.25	7.99	8.88	9.46	11.23	11.05	10.55	8.95	6.99	5.4	4.08	0.26	3.69	4.84	6.05	6.26	6.03	4.91	3.96	3.61	3.14	2.76	2.56
165	-0.82	0.63	3.69	6.68	10.32	11.17	11.3	10.76	9.54	7.67	4.75	-0.11	-2.28	-1.11	3.93	7	8.77	9.68	10.31	10.23	9.73	8.5	6.32	1.85

**PH (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	7.99	4.63	-1.5	-19.29	-1.03	4.45	7.48	9.94	9.94	10.23	9.24	8.65	6.57	2.98	-3.67	-12.61	-0.32	4.57	7.42	8.38	10.3
30	10.68	10.15	9.21	7.69	4.45	-1.88	-18.93	-0.38	4.95	7.62	9.69	10.38	10.63	10.18	9.24	7.59	4.39	-1.91	-12.72	-1.82	3.88	7.03	8.30	10.1
45	10.57	10.51	9.53	7.92	4.88	-0.79	-15.81	0.01	5.7	8.67	10.38	11.41	11.72	11.47	10.38	8.53	5.44	0.25	-14.10	-2.56	3.67	7.05	9.26	10.77
60	10.68	10.67	9.53	7.74	4.5	-2.29	-9.32	1.78	6.47	9.2	10.67	11.5	11.67	11.04	9.11	8.15	6.25	-1.28	-19.99	-2.81	3.17	6.46	8.44	9.82
75	10.39	10.57	9.68	8.19	4.97	-0.8	-24.32	-0.27	5.06	7.99	9.97	10.01	10	9.58	8.81	6.88	4.06	-1.29	-14.61	-4.59	2.03	5.57	7.69	9.01
90	10.68	10.57	9.78	8.13	4.91	-1.23	-24.03	-1.88	3.81	7.09	8.81	10.05	10.66	9.95	8.51	6.35	2.66	-3.98	-23.22	-2.65	1.07	6.63	8.39	10.31
105	10.01	9.97	8.98	7.38	4.47	-1.17	-11.77	-0.77	5.71	8.45	10.01	11.26	12.11	11.5	9.85	7.11	3.86	-2.11	-22.11	-2.49	3.23	6.67	8.1	10.79
120	10.87	10.69	9.28	6.94	3.99	-6.12	-4.78	1.46	6.01	10.26	11.95	12.25	12.22	11.61	9.88	7.35	3.48	-2.64	-13.81	-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	9.21	10.66	10.97	10.64	10.3	9.01	6.67	2.86	-4.45	-10.13	0.75	5.21	7.65	9.07	9.79
150	10.41	9.61	8.18	3.29	0.56	-12.07	-2.67	3.51	6.87	8.89	9.99	10.54	10.51	10.15	9.03	6.85	3.11	-3.99	-11.86	0.54	4.91	7.34	8.88	9.69
165	10.4	10.21	9.24	7.44	4.34	-1.29	-18.81	-0.81	4.89	7.58	9.2	10.11	10.51	10.42	9.55	8.44	6.01	1.83	-0.81	-3.94	2.91	6.25	8.62	9.88

**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	9.01	8.44	8.48	8.79	9.29	9.99	10.66	10.29	10.34	10.17	10.46	10.60	11.08	11.22	11.24	11.1	10.98	11	10.87
30	10.92	10.43	9.95	9.32	8.14	7.14	6.81	7.26	8.23	9.07	10.05	10.92	10.4	10.3	10.64	10.64	10.62	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	4.86	7.06	9.1	10.49	11.57	12.11	12.27	12.01	11.48	10.84	10.15	9.71	9.75	9.89	10.38	11	11.38
60	11.68	11.56	10.66	9.1	6.51	3.7	0.37	1.92	7.41	9.48	11.32	12.1	12.47	12.36	11.72	11.01	9.96	8.66	7.98	7.75	8.13	9.01	10.14	10.9
75	11.32	11.38	10.87	9.81	7.74	5.71	4.83	6.01	8.23	10.01	11.64	11.43	11.34	11.01	10.14	8.98	7.3	5.1	3.87	3.91	5.47	7.55	9.01	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	11.69	11.09	9.77	8.69	5.69	3.7	2.72	3.92	4	8.13	10.01	11.23
105	11.15	11.42	11.03	11.03	10.62	10.09	9.09	10.79	11.59	12.33	12.5	12.2	12.19	11.5	10.58	8.55	6.21	3.95	3.34	4.51	6.7	8.3	9.92	11.22
120	11.95	12.1	12.04	11.71	11.51	11.1	11.02	11.25	11.89	12.4	13.4	13.01	12.71	12.04	10.94	8	7.02	5.81	4.66	5.66	7.65	8.81	9.98	10.97
135	11.42	11.51	11.42	11.02	10.77	10.56	10.74	11.15	11.6	11.94	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	11.02	11.14	10.91	11.23	11.23	11.17	11.05	11.09	10.93	10.9	10.98	11.03	10.95	10.73	10.52	9.99	9.94	10.01	10.16	10.25	10.2	10.32
165	10.51	10.7	10.8	11.11	11.3	11.39	11.3	11.06	10.77	10.63	10.4	10.51	10.58	10.71	10.88	10.79	10.62	10.51	10.36	10.4	10.58	10.65	10.4	10.51