

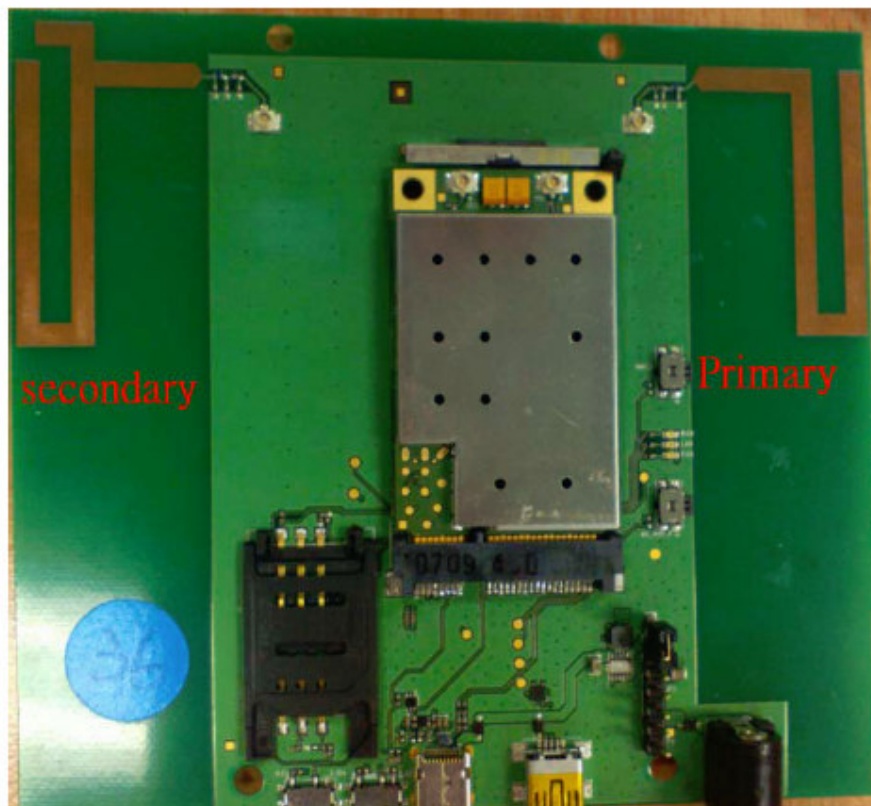
## Antenna test report

Antenna Type: Print Monopole

Model : H10EVBA-01

Brand : BenQ

Position / Photo



Antenna Gain and other spec :

Antenna	Freq.	Gain		
		Max	Min	Ave
Primary	824	-1.12	-16.67	-3.89
	859	-0.21	-10.3	-3.27
	894	-0.04	-8.41	-2.89
	880	0.04	-8.74	-2.84
	920	-0.72	-8.99	-3.49
	960	-1.20	-9.22	-3.95
	1710	1.22	-21.62	-2.93
	1800	0.35	-15.10	-4.05
	1880	0.44	-17.02	-3.85
	1850	0.85	-16.65	-3.63
	1910	0.24	-18.20	-4.01
	1990	0.24	-20.39	-3.94
	2110	1.32	-24.14	-2.90
	2170	0.79	-23.90	-3.09
Secondary	880	-0.34	-13.23	-3.22
	2110	1.75	-18.30	-2.66
	2170	1.51	-21.36	-2.75

Frequency (MHz)	824	859	880	894	920	960
Ant. Port Input Pwr. (dBm)	0	0	0	0	0	0
Tot. Rad. Pwr. (dBm)	-3.88	-3.26	-2.83	-2.88	-3.48	-3.95
Peak EIRP (dBm)	-1.12	-0.21	0.04	-0.04	-0.72	-1.2
Directivity (dBi)	2.76	3.05	2.87	2.84	2.76	2.74
Efficiency (dB)	-3.88	-3.26	-2.83	-2.88	-3.48	-3.95
Gain (dBi)	-1.12	-0.21	0.04	-0.04	-0.72	-1.2
Front/Back Ratio (dB)	0.43	0.65	0.21	0.11	0.13	0.6
Maximum Power (dBm)	-1.12	-0.21	0.04	-0.04	-0.72	-1.2
Minimum Power (dBm)	-16.67	-10.3	-8.74	-8.41	-8.99	-9.22
Average Power (dBm)	-3.89	-3.27	-2.84	-2.89	-3.49	-3.95
Max/Min Ratio (dB)	15.55	10.09	8.78	8.37	8.27	8.02
Max/Avg Ratio (dB)	2.77	3.06	2.88	2.85	2.77	2.75
Min/Avg Ratio (dB)	-12.78	-7.03	-5.91	-5.53	-5.5	-5.27

Frequency (MHz)	1710	1800	1850	1880	1910	1990	2110	2170
Ant. Port Input Pwr. (dBm)	0	0	0	0	0	0	0	0
Tot. Rad. Pwr. (dBm)	-2.92	-4.04	-3.62	-3.84	-4	-3.93	-2.88	-3.07
Peak EIRP (dBm)	1.22	0.35	0.85	0.44	0.24	0.24	1.32	0.79
Directivity (dBi)	4.14	4.39	4.47	4.28	4.24	4.16	4.2	3.86
Efficiency (dB)	-2.92	-4.04	-3.62	-3.84	-4	-3.93	-2.88	-3.07
Gain (dBi)	1.22	0.35	0.85	0.44	0.24	0.24	1.32	0.79
Front/Back Ratio (dB)	6.92	8.56	8.44	7.59	7.63	6.65	9.42	12.52
Maximum Power (dBm)	1.22	0.35	0.85	0.44	0.24	0.24	1.32	0.79
Minimum Power (dBm)	-21.6	-15.1	-16.65	-17.02	-18.2	-20.39	-24.14	-23.9
Average Power (dBm)	-2.93	-4.05	-3.63	-3.85	-4.01	-3.94	-2.9	-3.09
Max/Min Ratio (dB)	22.84	15.46	17.5	17.46	18.44	20.63	25.46	24.69
Max/Avg Ratio (dB)	4.15	4.41	4.48	4.3	4.25	4.18	4.21	3.88
Min/Avg Ratio (dB)	-18.7	-11.05	-13.02	-13.16	-14.2	-16.45	-21.24	-20.81

Frequency (MHz)	880	2110	2170
Ant. Port Input Pwr. (dBm)	0	0	0
Tot. Rad. Pwr. (dBm)	-3.22	-2.64	-2.73
Peak EIRP (dBm)	-0.34	1.75	1.51
Directivity (dBi)	2.88	4.39	4.24
Efficiency (dB)	-3.22	-2.64	-2.73
Gain (dBi)	-0.34	1.75	1.51
Front/Back Ratio (dB)	0.56	11.1	19.31
Maximum Power (dBm)	-0.34	1.75	1.51
Minimum Power (dBm)	-13.23	-18.3	-21.36
Average Power (dBm)	-3.22	-2.66	-2.75
Max/Min Ratio (dB)	12.9	20.05	22.87
Max/Avg Ratio (dB)	2.88	4.41	4.26
Min/Avg Ratio (dB)	-10.01	-15.64	-18.61