

UD812A08_1v0 USB dongle antenna test report

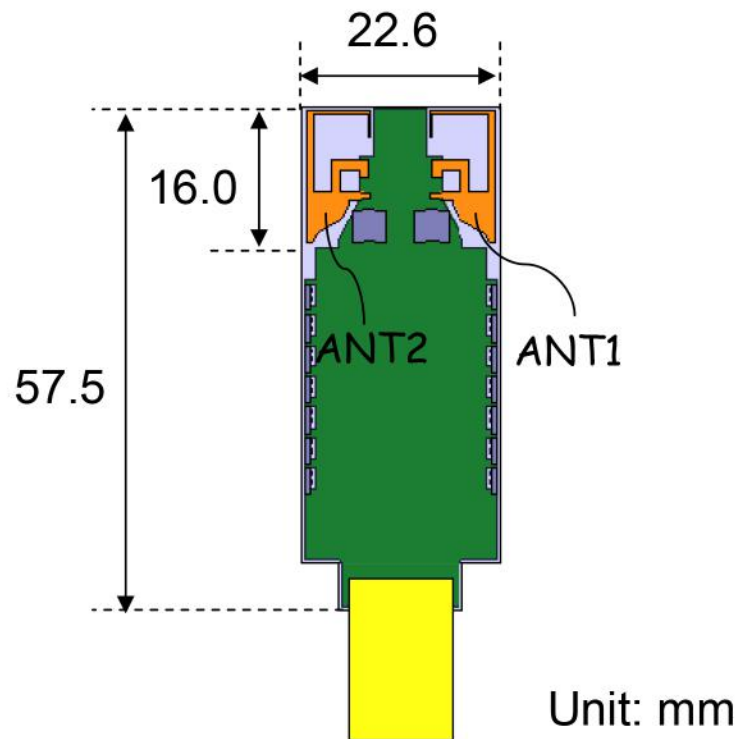
Jeany Ling

Nov. 06, 2012

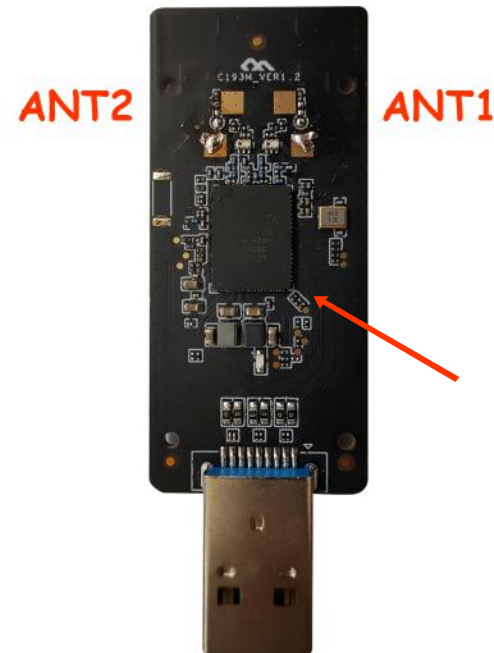


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- Antenna structure



- Photo



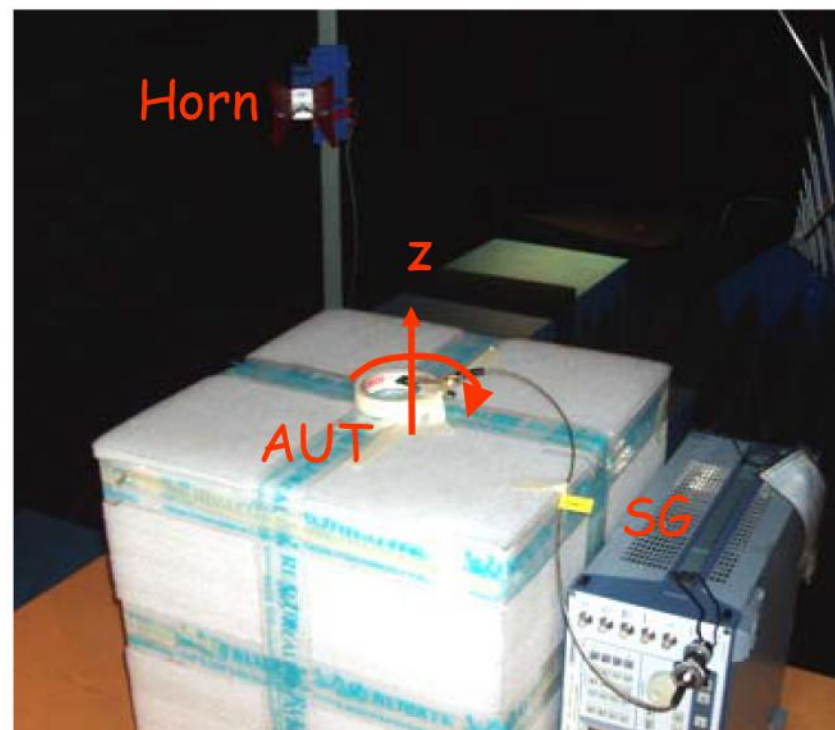
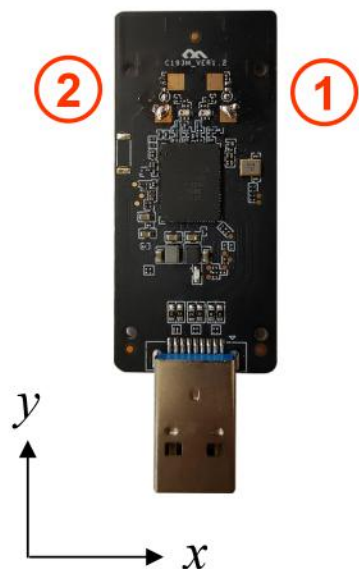
- Operating freq. = 2.45 GHz
5.50 GHz



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- **Radiation Patterns**

- Freq. : 2437MHz, 5500 MHz
- Test plane : xy-plane
- Input power : SG 0dBm
- Place: RTK 4F chamber
- Horn h: horizontal polarization
- Horn v: vertical polarization

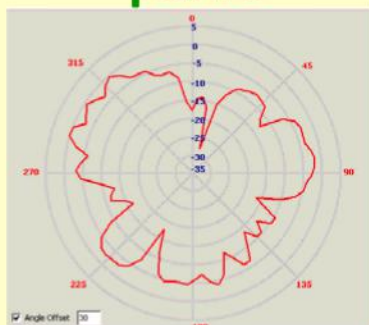


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- Radiation Patterns** unit dBi

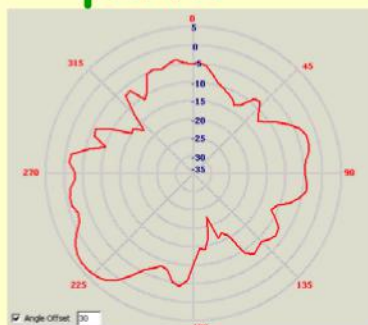
2437 MHz

port1



Pol.	peak	avg.
h	-0.1	-5.7

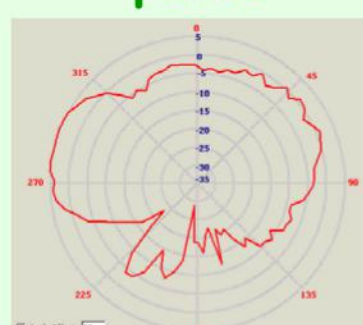
port2



Pol.	peak	avg.
h	2	-4.3

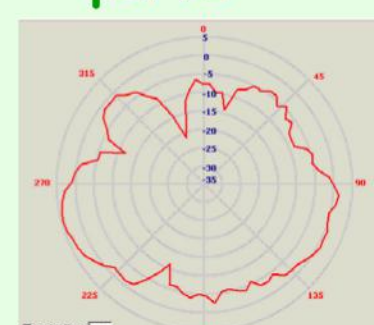
5500 MHz

port1



Pol.	peak	avg.
h	2	-1.4

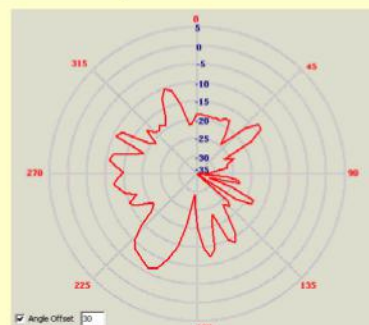
port2



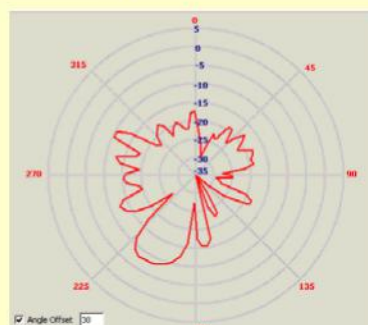
Pol.	peak	avg.
h	1.8	-2.1

horizontal

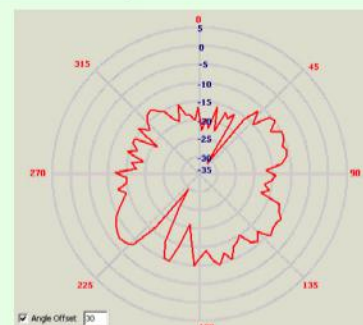
vertical



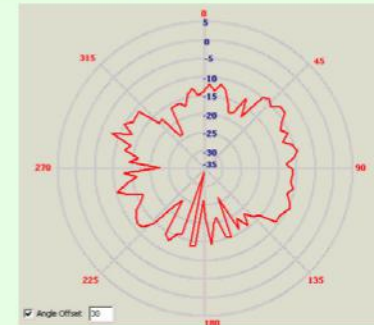
Pol.	peak	avg.
v	-6.2	-15.1



Pol.	peak	avg.
v	-8.2	-16.3



Pol.	peak	avg.
v	-7.3	-13.0



Pol.	peak	avg.
v	-8.0	-13.2

