

Antenna data information OA13 HWID 01

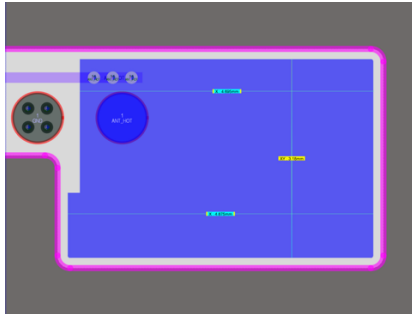
The product under certification's board has an integrated antenna marked as yellow



There is a total of 8 different product sizes with different antenna gain as below table:

Ring size	Antenna Gain [dBi]
6	-25.8
7	-24.7
8	-23.8
9	-23.6
10	-16.8
11	-19.0
12	-15.8
13	-10.7

Antenna dimensions:



Ring size	Antenna X dimension[mm]	Antenna X dimension[mm]	Antenna XY dimension[mm]
All	4.695	4.875	3.18

RESULTS:

BLE Total Radiated Power size 13

Free Space

Band info	Bandwidth (MHz)	Uplink Channel	Frequency (MHz)	TRP (dBm)
BLE	CW	37	2402	-11.2
	CW	38	2426	-11.0
	CW	39	2480	-10.7

Antenna patterns:

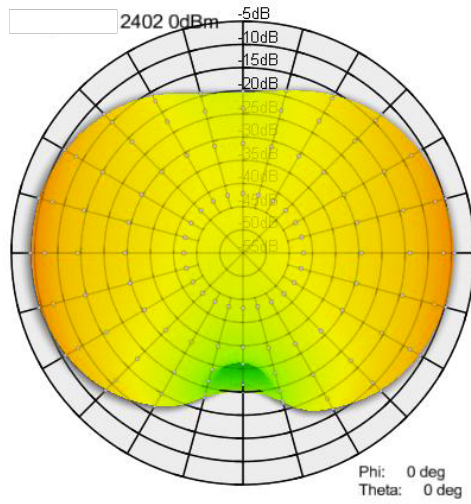


Figure 1 Antenna pattern BLE channel 37 [dBm]

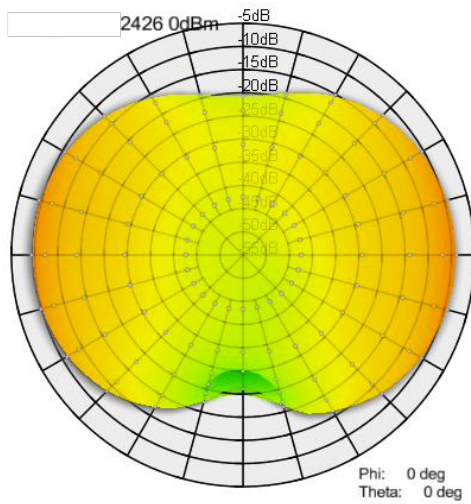


Figure 2 Antenna pattern BLE channel 38 [dBm]

Classification: **CONFIDENTIAL**

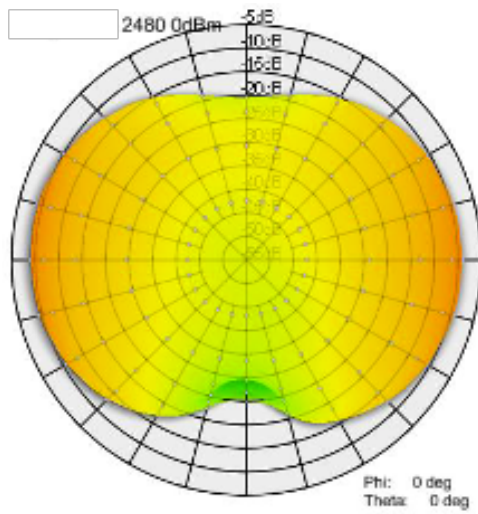


Figure 3 Antenna pattern BLE channel 39 [dBm]