

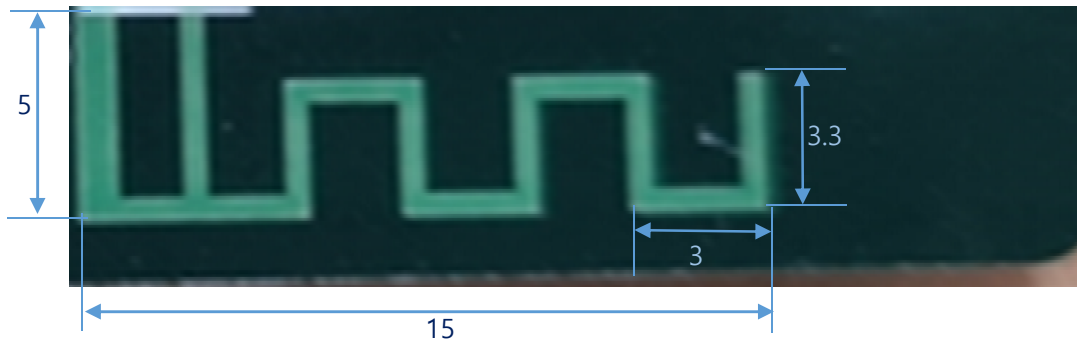
APPROVAL SHEET

MODEL NAME	BLE Antenna
Samjin Code	CC30012-00051
Description	PCB pattern Ant for BLE2.4GHz
Supplier P/N	CC30012-00051
Rev.	00

EXAMINE	CHECK	APPROVAL
Jaehyun Cho	Byungsoo Kim	Jungwoo Kim
25 09/14	25 09/14	25 09/14

MANUFACTURE / Supplier	Samjin C&I Co.,LTD	TEL	
ADDRESS	81, Anyangcheonseo-ro, Manan-gu, Anyang-si, Gyeonggi-do, 14087, Republic of Korea		

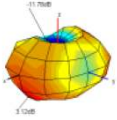
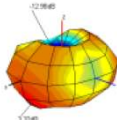
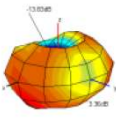
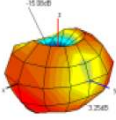
1. Dimension(mm)



2. 3D Gain

	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-2.00	-1.77	-1.60	-1.64	-1.61
Efficiency [%]	63.1	66.5	69.1	68.6	69.0
Peak Gain [dB]	3.12	3.33	3.36	3.25	3.49
Directivity [dB]	5.12	5.10	4.97	4.89	5.10
Minimum Gain [dB]	-11.78	-12.98	-13.83	-15.08	-17.07

3. 3D Radiation Pattern

2400	2420	2440	2460
			
2485			
