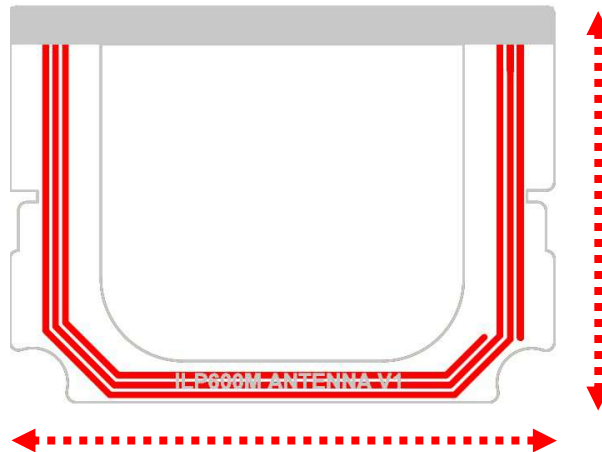


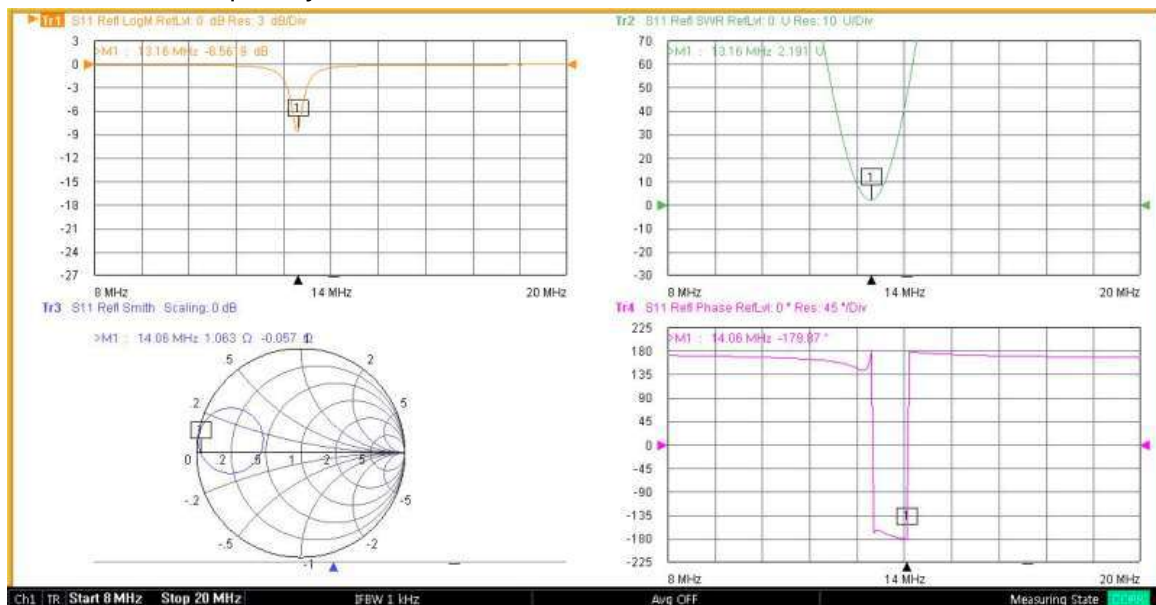
7.3 ANTENNA Specifications

1. Antenna Spec

- Loop Antenna Type
- Antenna Length: 564.42mm (3-Turn)
- Radiation Frequency: 13.56MHz
- PCB SIZE: 65.9mm*48mm

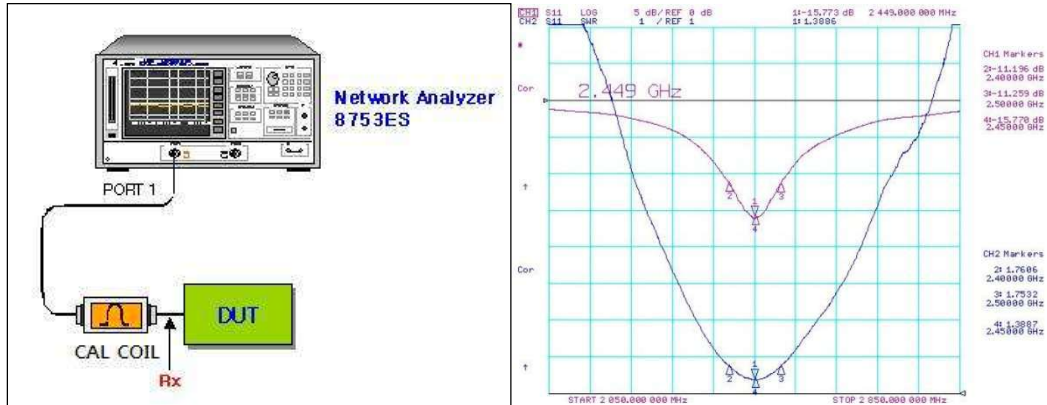


2. Resonance Frequency & Return Loss



Frequency: 13.16MHz, Return Loss: -8.56dB

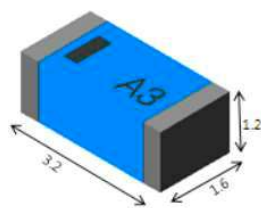
8.1 장비 연결도(공진주파수)



8.2 ANTENNA Specifications

1. Antenna Spec [ALA321C3]

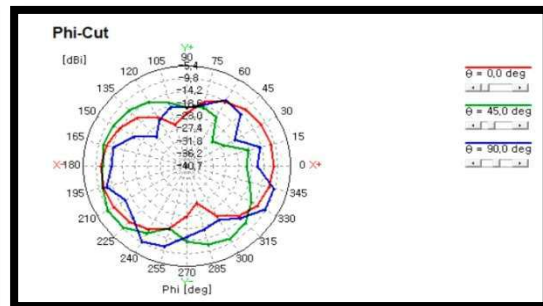
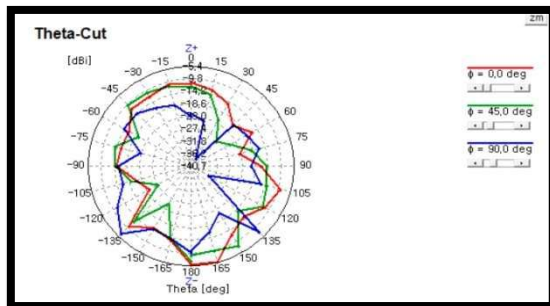
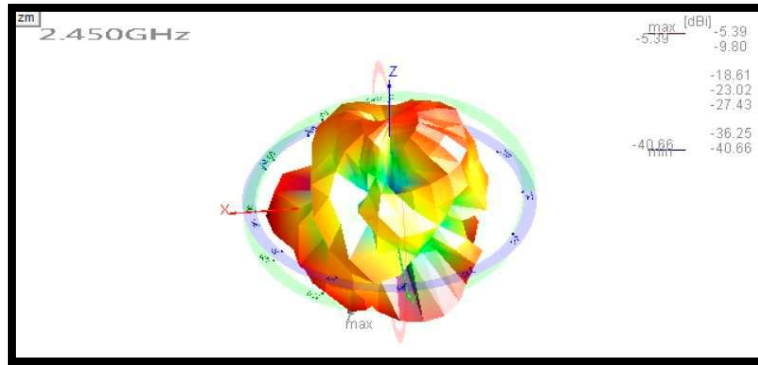
- Multilayer Chip Antenna Type
- RadiationFrequency: 2.4GHz Wireless Devices (3.2 * 1.6 * 1.2)



No	Item	Spec.	Remark
1	Frequency Range [GHz]	2.4 ~2.485	
2	VSWR	Max 3.0:1	
3	Peak Gain [dBi]	typ. 2.3	
4	Total Avg. Gain [dBi]	typ. -0.6	
5	Efficiency [%]	typ. 84	
6	Polarization	Linear	
7	Impedance [Ω]	Nominal 50	

EC-RF300BN BLE ANTENNA SPECIFICATION

Item	Specification			
Frequency range	2400MHz~2500MHz			
Resonance Frequency	2447MHz : -10.75dB			
VSWR	3 : 1 under [2446MHz : 1.8]			
Polarization	Linear			
Radiation	Omni-Directional			
Impedance	50Ω			
Antenna Type	Multilayer Chip Antenna			
Frequency [MHz]	2400	2450	2500	
GAIN [Peak]	1.39	-3.68	-5.35	
GAIN [Average]	-5.22	-10.63	-11.16	
Efficiency(%)	30.08	8.66	7.66	



2. Resonance Frequency & Return Loss& SWR



Frequency: 2,447MHz, Return Loss: -10.75dB



SWR: 1.8