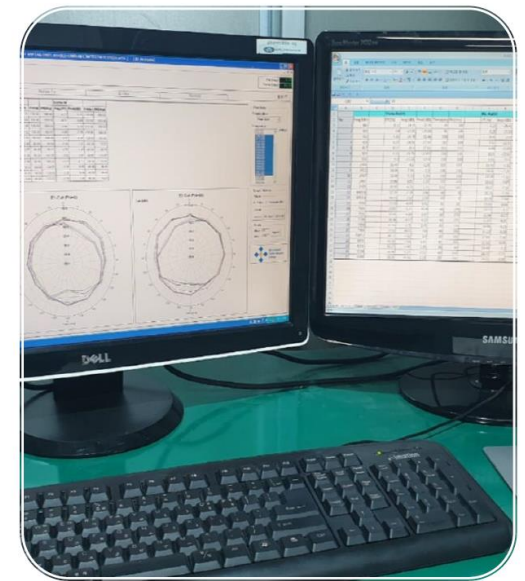
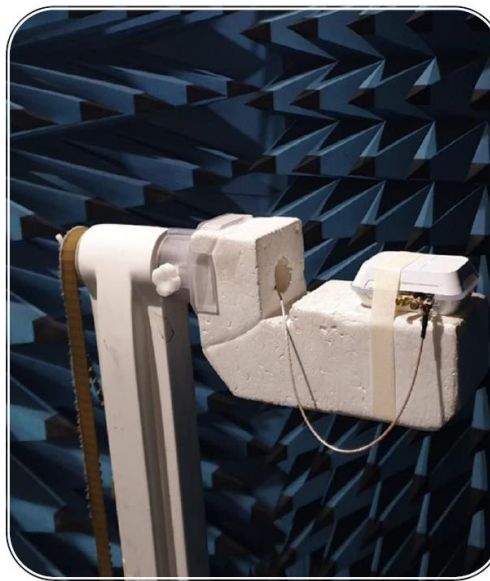


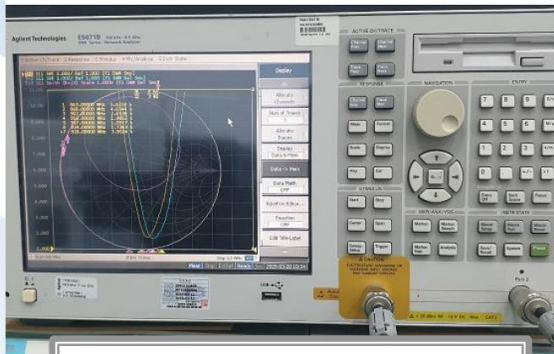
SoluM “CD01HFS01X”

- Antenna Manufacturer: Galtronics Korea
- Measuring Company: Galtronics Korea
- Antenna Model Name: Vehicle tag LDS
- Measurement Procedure



SoluM “CD01HFS01X”

- Measurement Equipment



E5071B (Agilent)



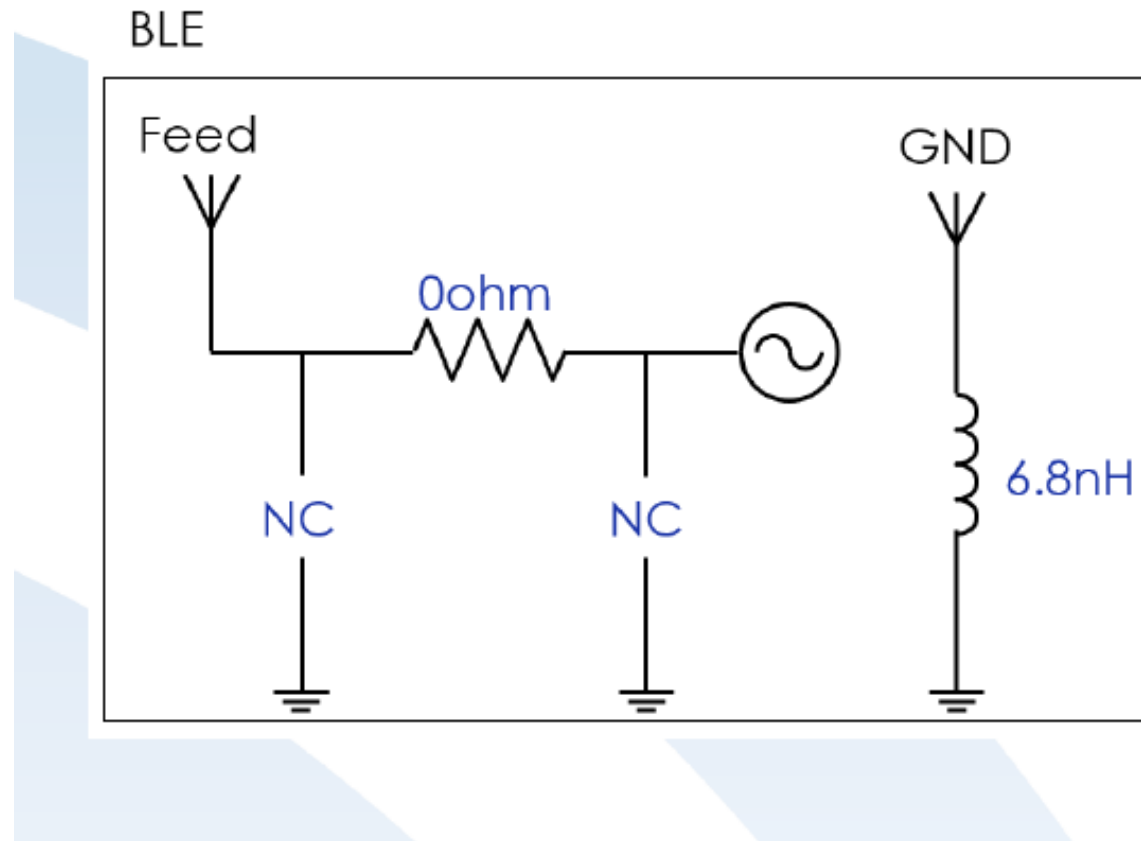
N5230A (Agilent)



**CTIA 3D OTA Chamber
(MTG)**

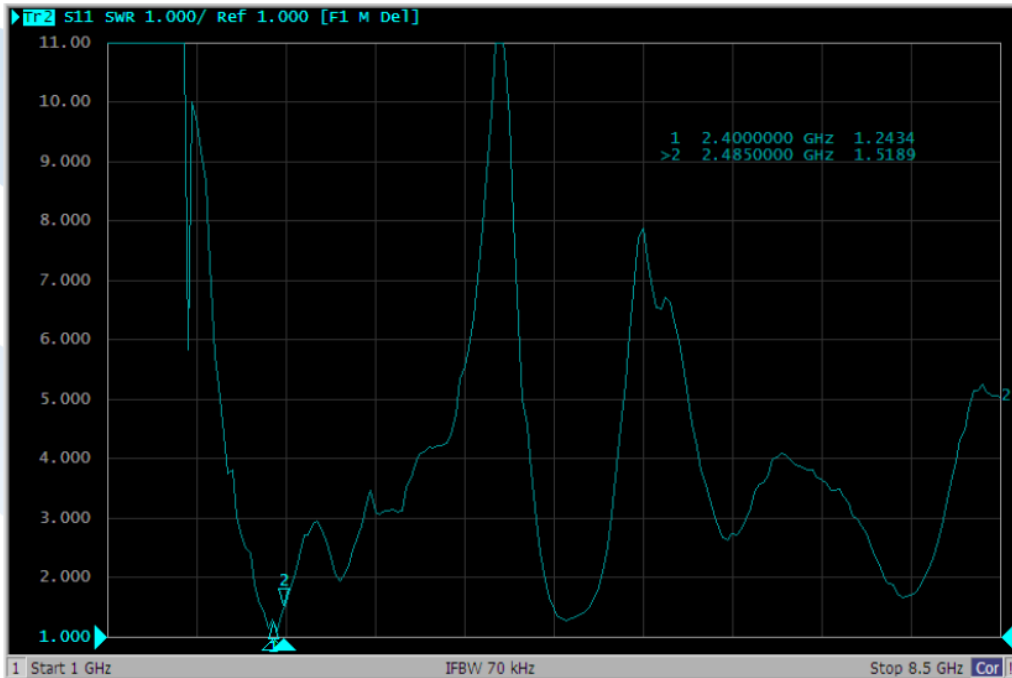
SoluM “CD01HFS01X”

1. TEST condition



SoluM “CD01HFS01X”

2-1. Passive TEST – VSWR & GAIN_BLE

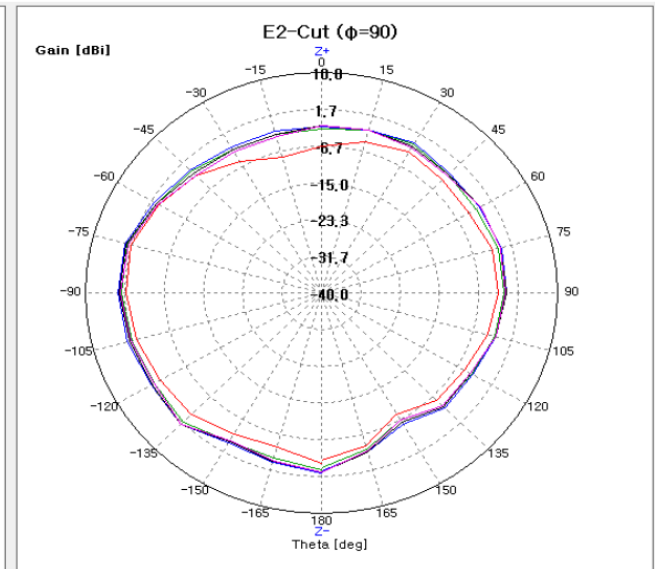
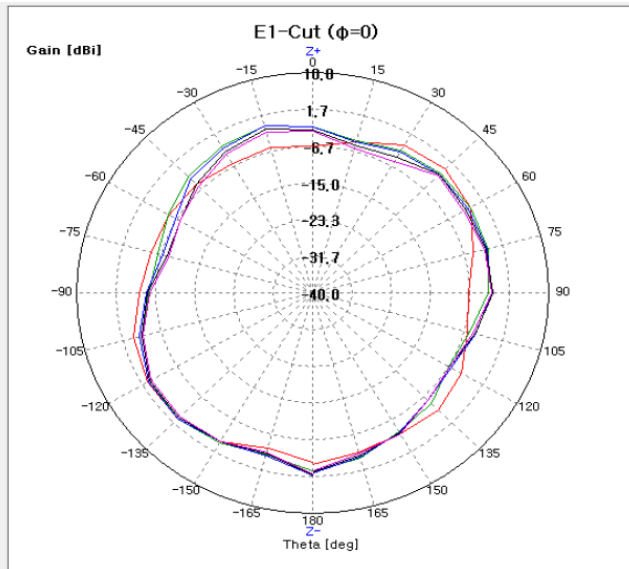
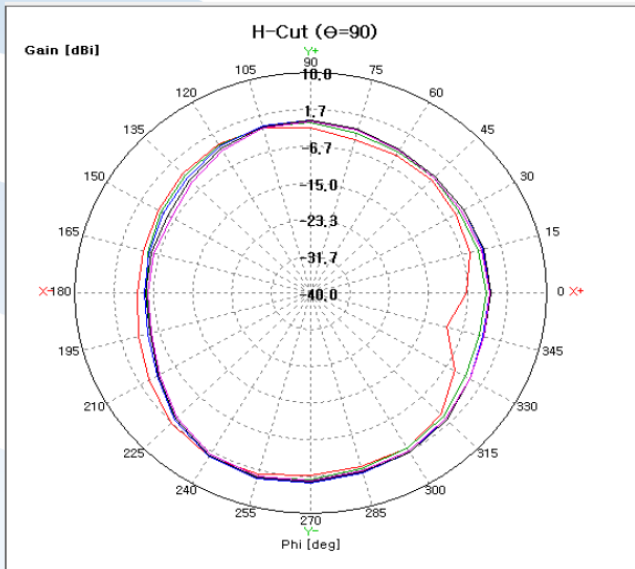


No.	Freq.[GHz]	Eff.[%]	Avg.[dBi]	Peak[dBi]	θ [deg]	ϕ [deg]
1	2400	68.16	-1.66	3.17	105	240
2	2412	75.27	-1.23	3.31	105	240
3	2437	80.66	-0.93	3.55	90	255
4	2467	74.96	-1.25	3.34	90	255
5	2485	70.58	-1.51	3.08	90	255

SoluM “CD01HFS01X”

2-2. Passive TEST – 2D

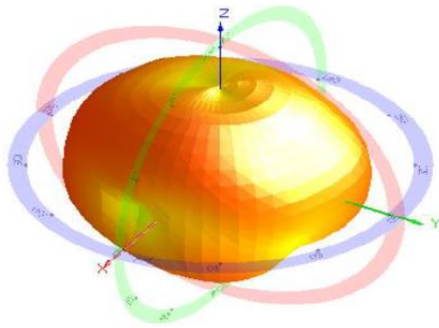
No.	Freq.	PwrSum	Eff.[%]	Avg.[dBi]	Peak[dBi]	θ [deg]	ϕ [deg]	H($\theta=90$)	Peak[dBi]	ϕ [deg]	E1($\phi=0$)	Peak[dBi]	θ [deg]	Avg.[dBi]	Peak[dBi]	θ [deg]
1	2.400	68.16	-1.66	3.17	105.00	240.00	240.00	-1.23	2.96	240.00	-2.75	0.47	-120.00	-2.36	1.72	-75.00
2	2.412	75.27	-1.23	3.31	105.00	240.00	240.00	-0.94	3.28	255.00	-2.25	0.54	180.00	-0.78	2.57	-75.00
3	2.437	80.66	-0.93	3.55	90.00	255.00	255.00	-0.49	3.55	255.00	-2.25	1.27	-180.00	-0.18	3.13	-75.00
4	2.467	74.96	-1.25	3.34	90.00	255.00	255.00	-0.62	3.34	255.00	-2.63	1.47	-180.00	-0.44	2.76	-90.00
5	2.485	70.58	-1.51	3.08	90.00	255.00	255.00	-0.91	3.08	255.00	-2.94	1.23	-180.00	-0.70	2.51	-90.00



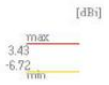
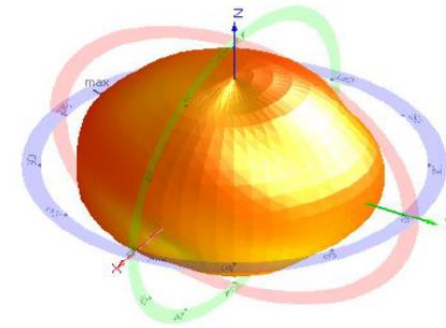
SoluM “CD01HFS01X”

2-3. Passive TEST – 3D(1)

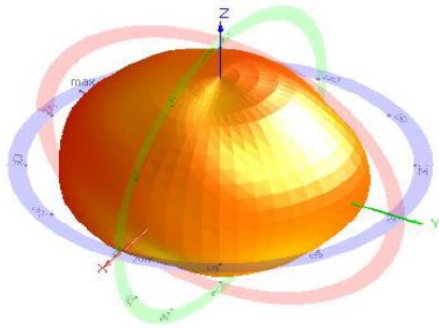
2.400GHz



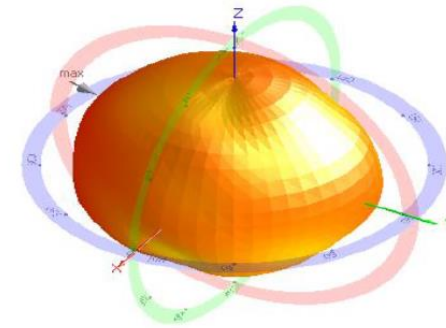
2.412GHz



2.437GHz



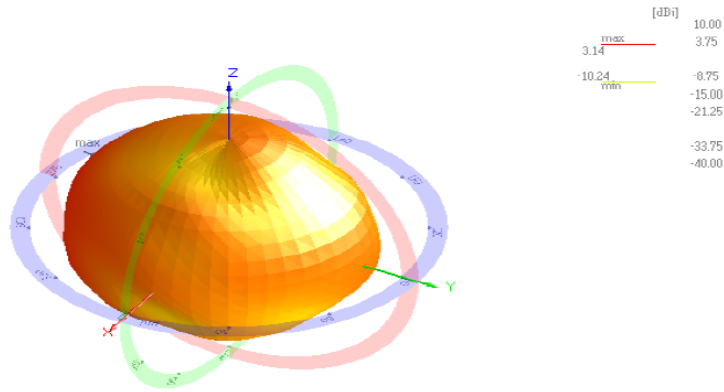
2.467GHz



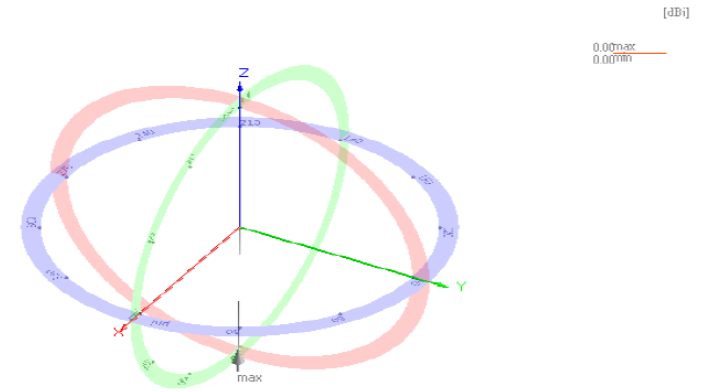
SoluM “CD01HFS01X”

2-3. Passive TEST – 3D(2)

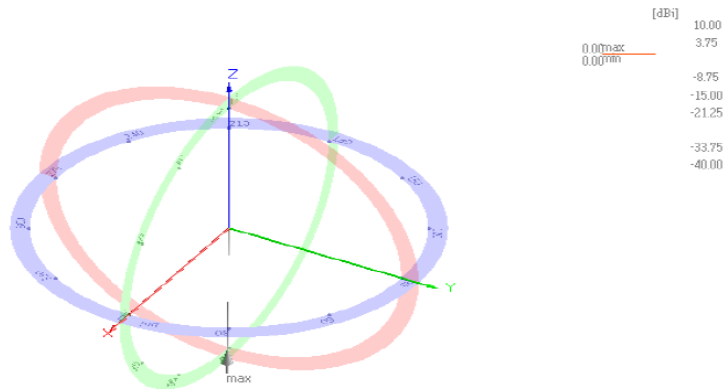
2.485GHz



N/A



N/A



N/A

