

SPECIFICATION

Product Name: Wire Antenna
Model Name: UL1007-26AWG

Electrical Properties 电气特性	
Frequency 频率	2400-2500 MHz
Impedance 阻抗	50 Ohm Nominal
V.S.W.R	<= 2.0 Max
Return Loss 回波损耗	-8dBMax
Radiation 辐射	Omni-directional
Gain (Peak) 峰值增益	0.95dBi
Polarization 极化	Linear, Vertical
Admitted Power	1 W
Physical Properties 物理特性	
Antenna Material 天线材料	CU
Cable Type 电缆类型	O.D. 1.13mm // 150 mm
Operating Temp. 工作温度	-10 ~ +60 °C
Storage Temp. 存储温度	-10 ~ +70 °C
Cable Color 电缆颜色	Black

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Free Space #1			
Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
2400	-6.78	20.98	0.90
2402	-6.78	20.99	0.80
2405	-6.76	21.09	0.95
2410	-6.82	20.81	0.89
2415	-6.91	20.36	0.80
2420	-7.13	19.36	0.60
2425	-7.24	18.86	0.44
2430	-7.33	18.48	0.41
2435	-7.35	18.41	0.32
2440	-7.31	18.56	0.42
2441	-7.34	18.43	0.32
2445	-7.45	18.01	0.25
2450	-7.57	17.51	0.19
2455	-7.74	16.84	0.05
2460	-7.87	16.34	-0.15
2465	-7.84	16.43	-0.06
2470	-7.93	16.12	-0.17
2475	-7.79	16.62	0.01
2480	-7.94	16.05	-0.18
2482	-7.95	16.04	-0.16
2485	-7.94	16.08	-0.09
2490	-8.07	15.60	-0.19
2495	-7.92	16.14	-0.04
2500	-7.88	16.30	0.10

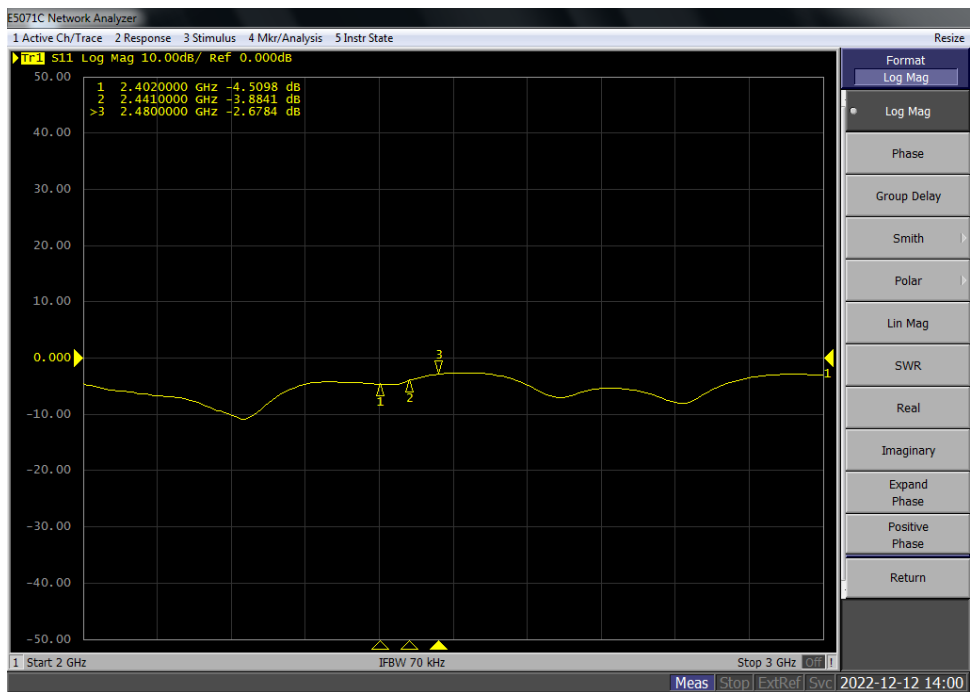
Free Space #2			
Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
2400	-6.88	20.52	0.16
2402	-6.88	20.52	0.20
2405	-6.86	20.63	0.23
2410	-6.89	20.48	0.16
2415	-6.95	20.17	0.11
2420	-7.15	19.29	-0.16
2425	-7.26	18.79	-0.23
2430	-7.38	18.30	-0.44
2435	-7.42	18.11	-0.43
2440	-7.41	18.15	-0.48
2441	-7.44	18.02	-0.47
2445	-7.55	17.57	-0.54
2450	-7.67	17.09	-0.69
2455	-7.83	16.50	-0.78
2460	-7.94	16.07	-0.90
2465	-7.92	16.15	-0.83
2470	-8.01	15.80	-0.98
2475	-7.90	16.23	-0.83
2480	-8.06	15.63	-1.05
2482	-8.07	15.61	-1.05
2485	-8.06	15.64	-1.04
2490	-8.20	15.14	-1.26
2495	-8.05	15.65	-1.10
2500	-8.00	15.85	-1.05

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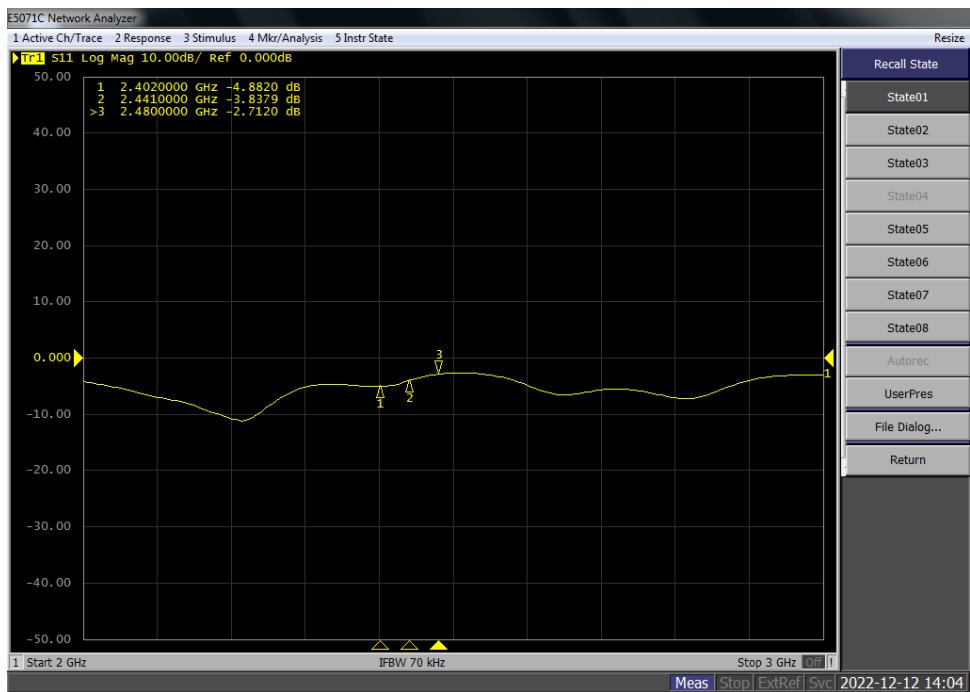
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Return Loss



Free Space #1



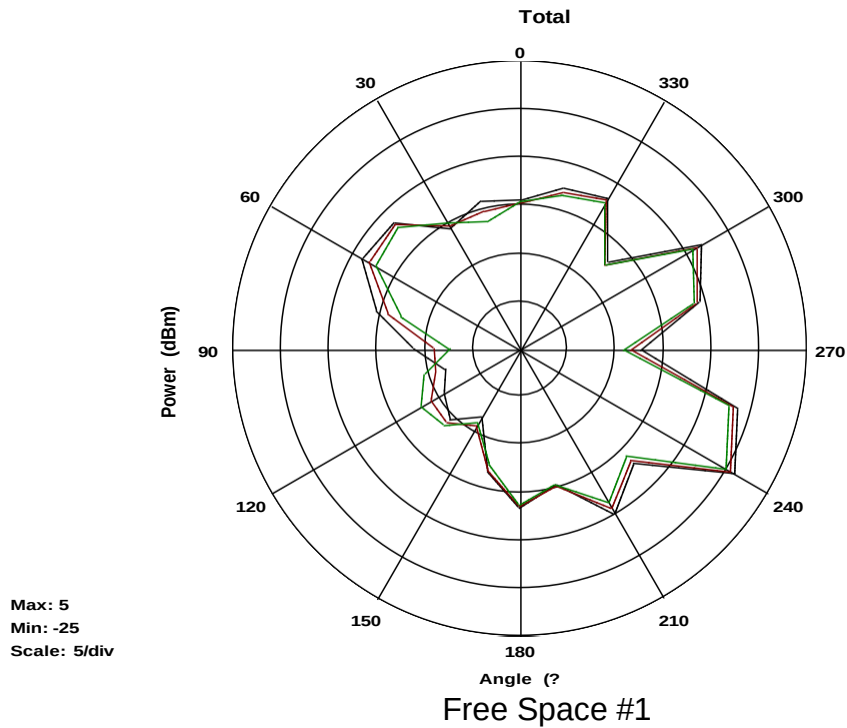
Free Space #2

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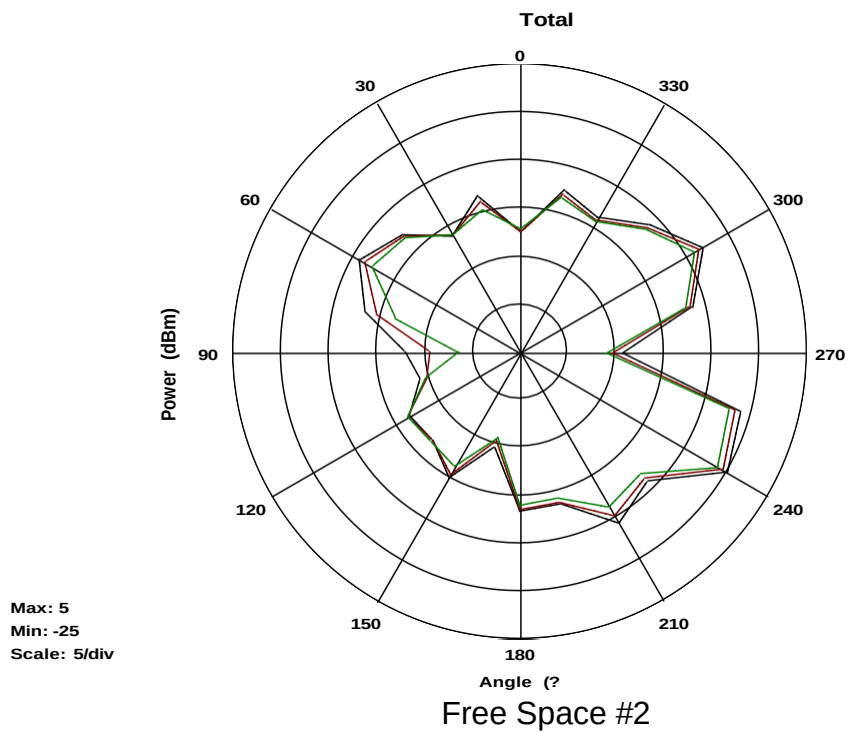
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2-D Antenna Pattern(Theta=90°)



2402 MHz
2441 MHz
2480 MHz



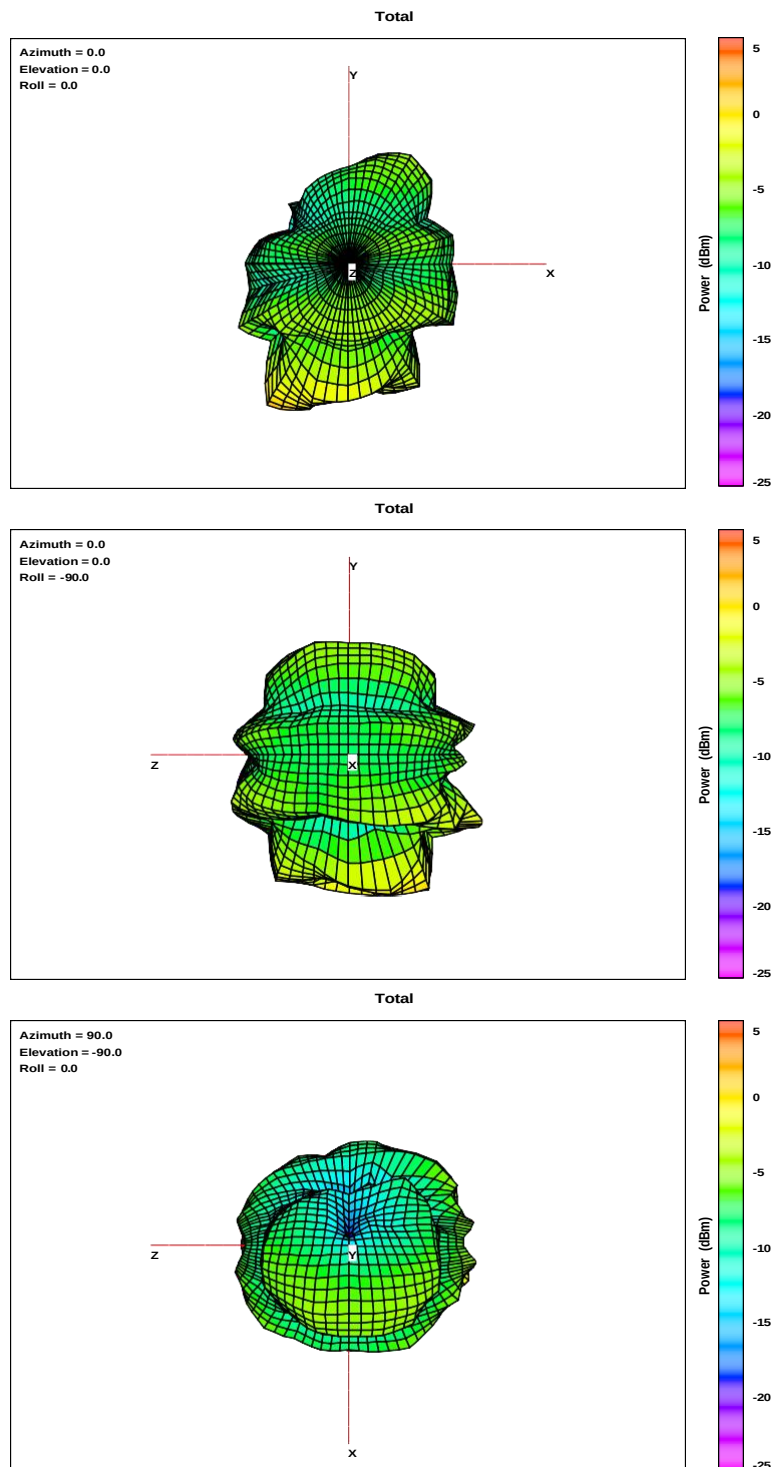
2402 MHz
2441 MHz
2480 MHz

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3-D Antenna Pattern

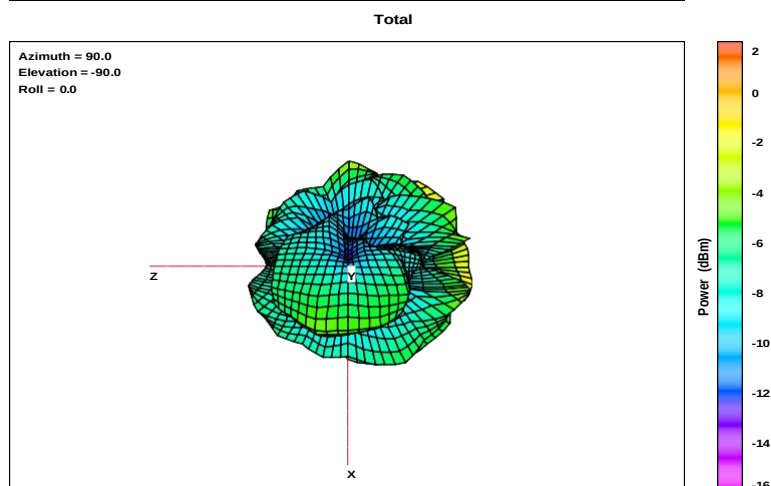
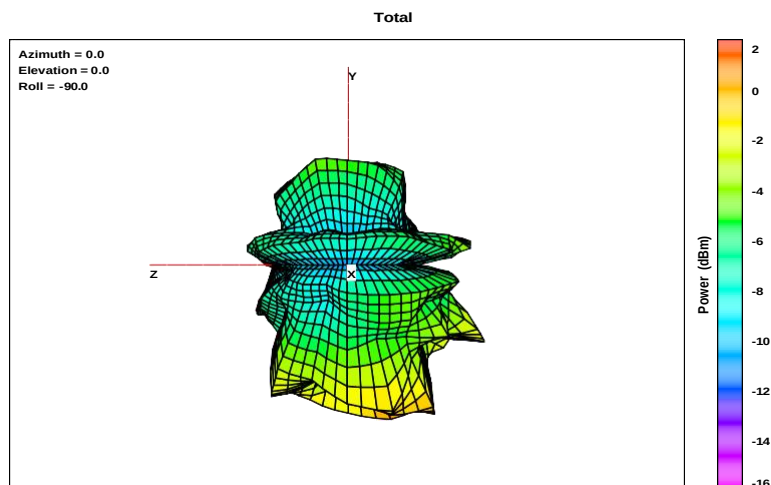
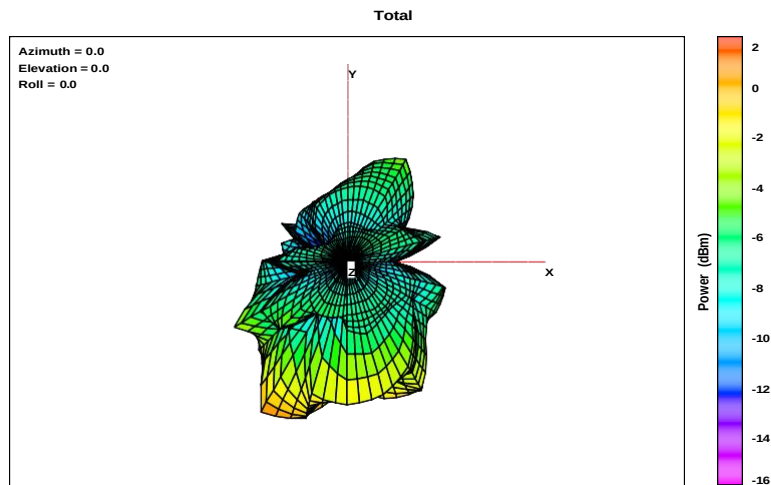


Free Space #1

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Free Space #2

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9 The EUT and Test Configuration

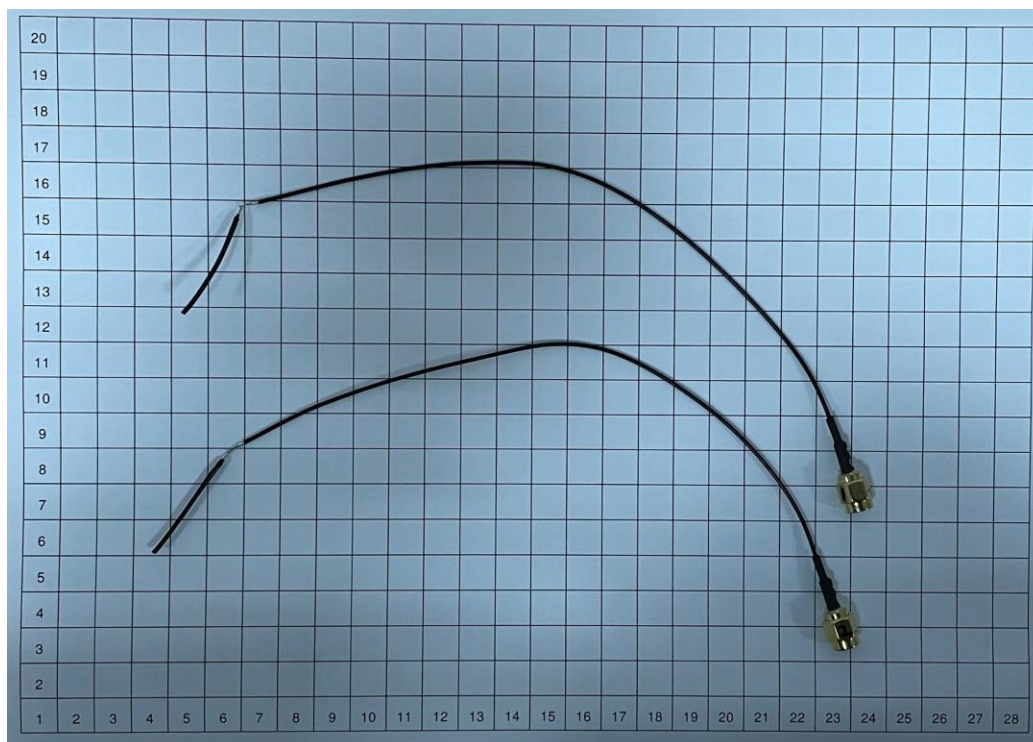
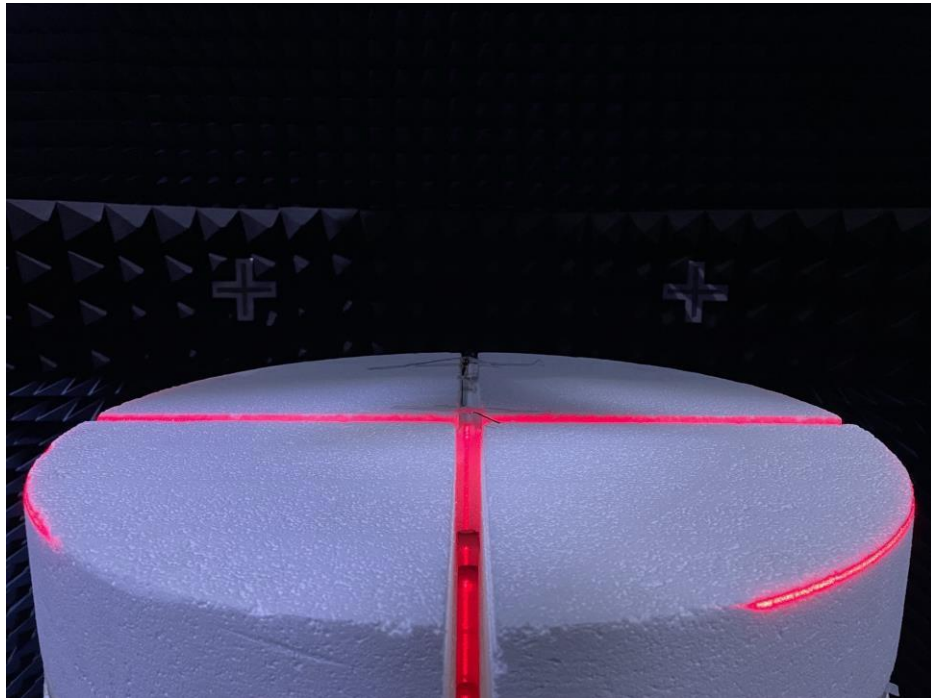


Photo of EUT

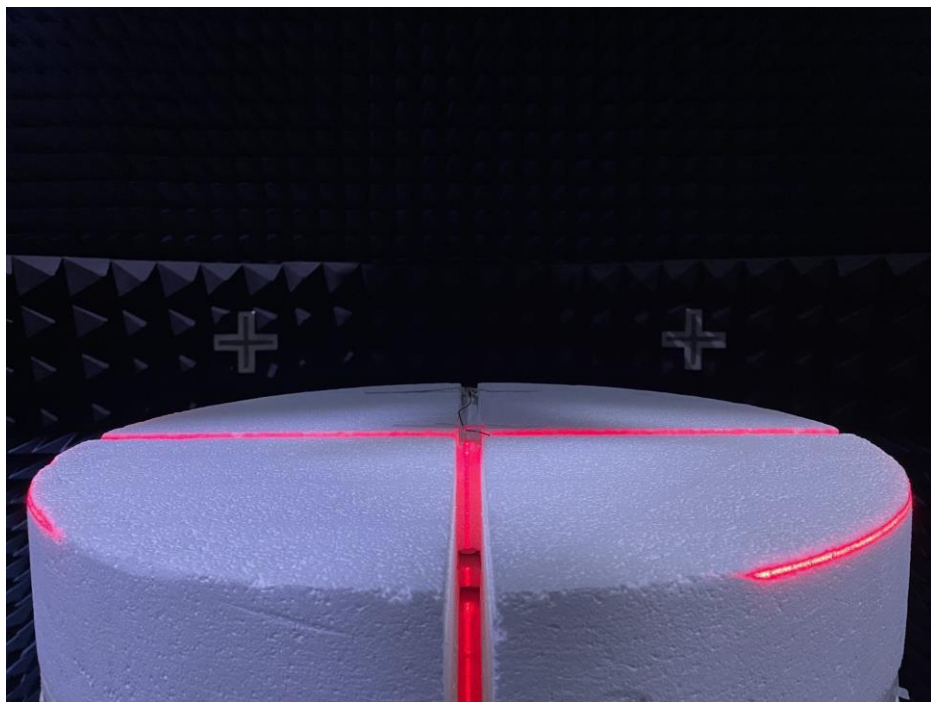
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Free Space #1

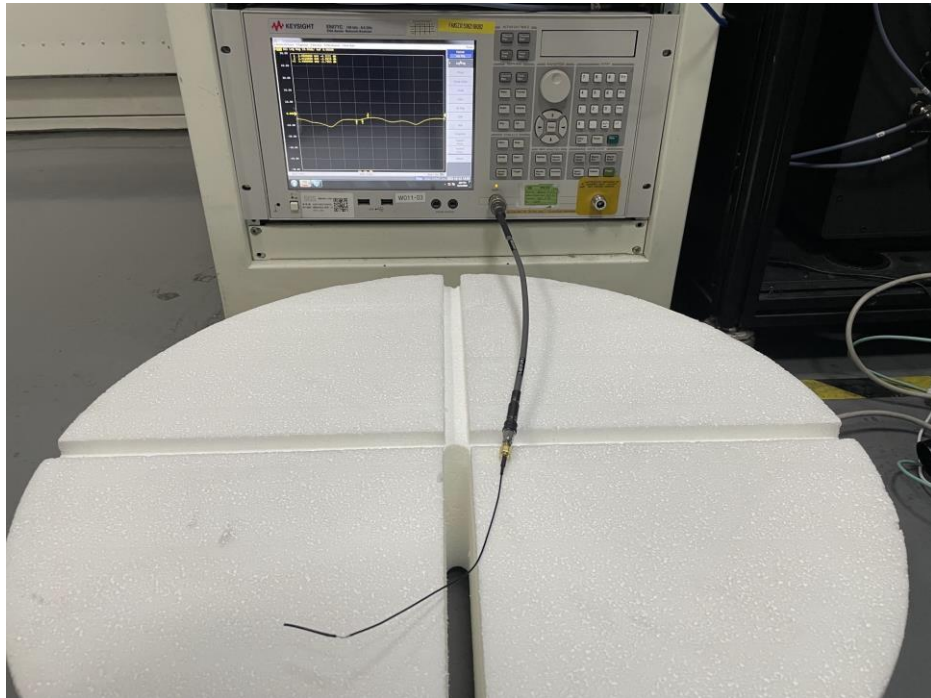


Free Space #2

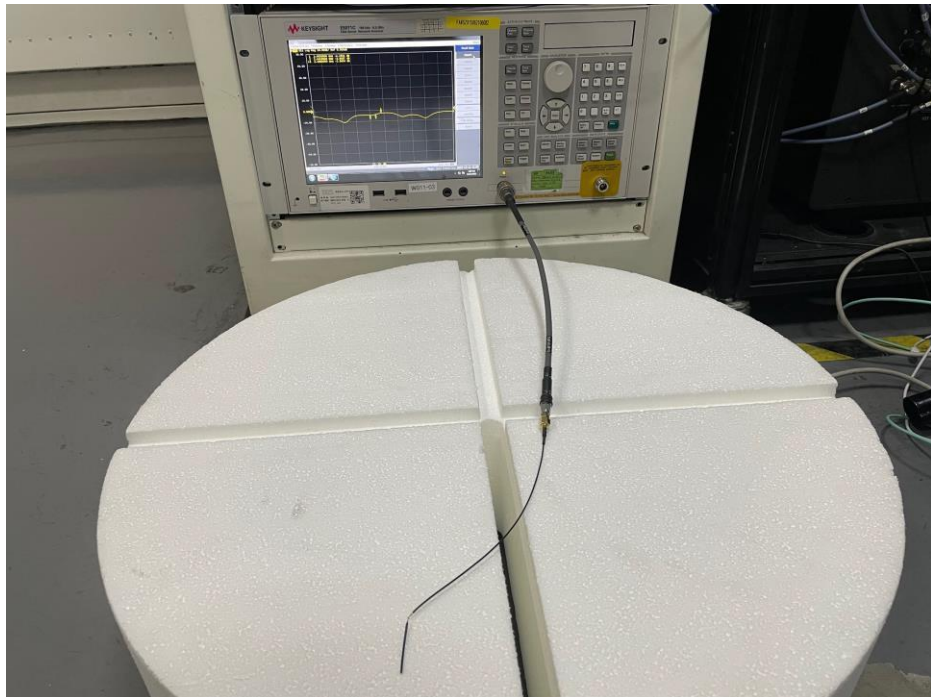
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Free Space #1



Free Space #2

---END---

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