



Antenna Part Specification

Project name:	Raman
Material category:	BT Antenna
Version:	V4.0
Date:	2024.12.20



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Change record			
Compile / change date	Reason for change	Changed content	Version
2024.08.27	First edition	First edition	V1.0
2024.09.21	Data Update	Data Update	V2.0
2024.11.11	Data Update	Data Update	V3.0
2024.12.20	Data Update	Data Update	V4.0

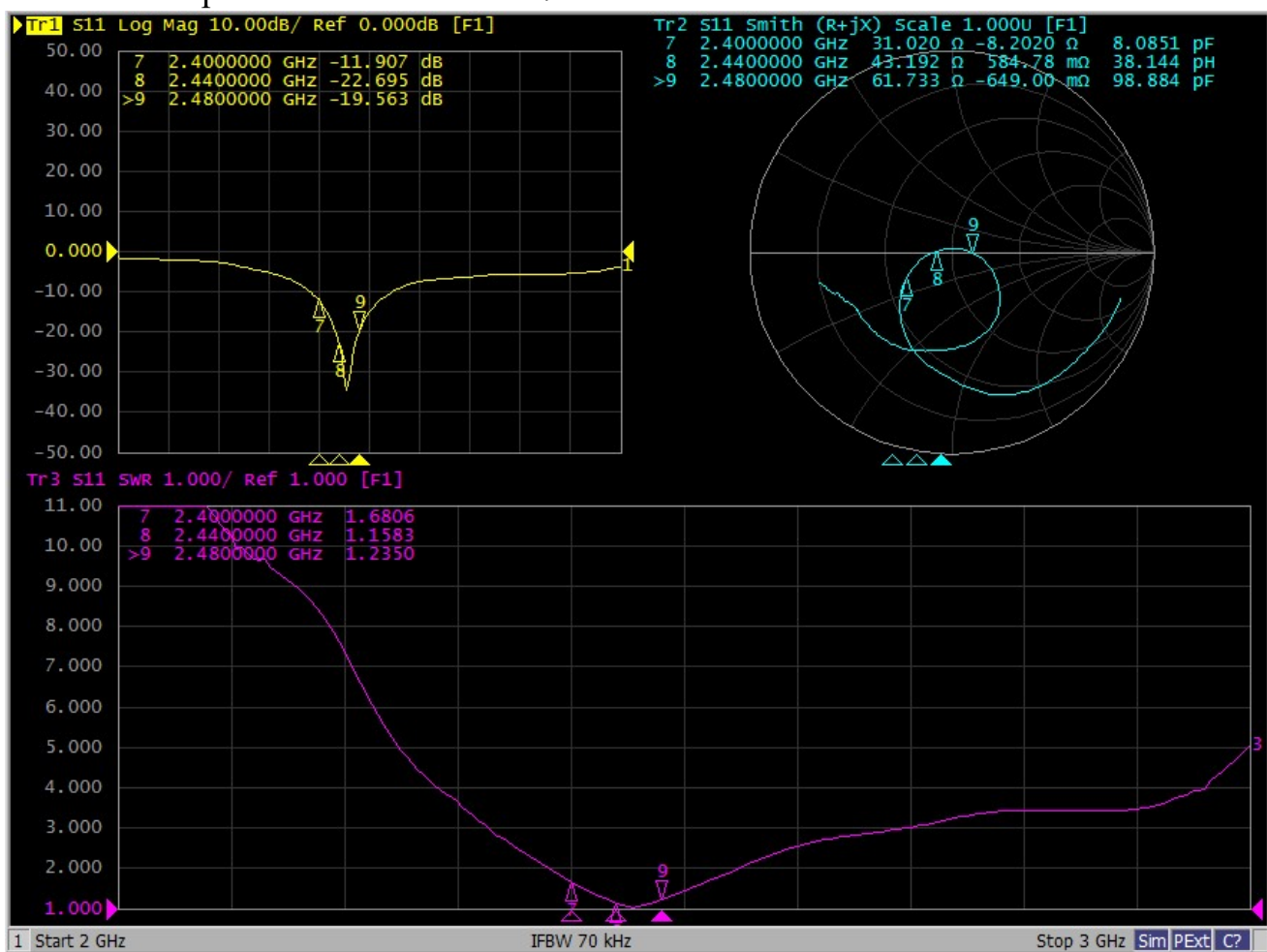


I: The report of passive data



Angilent E5071C

Antenna S11 parameter test situation:

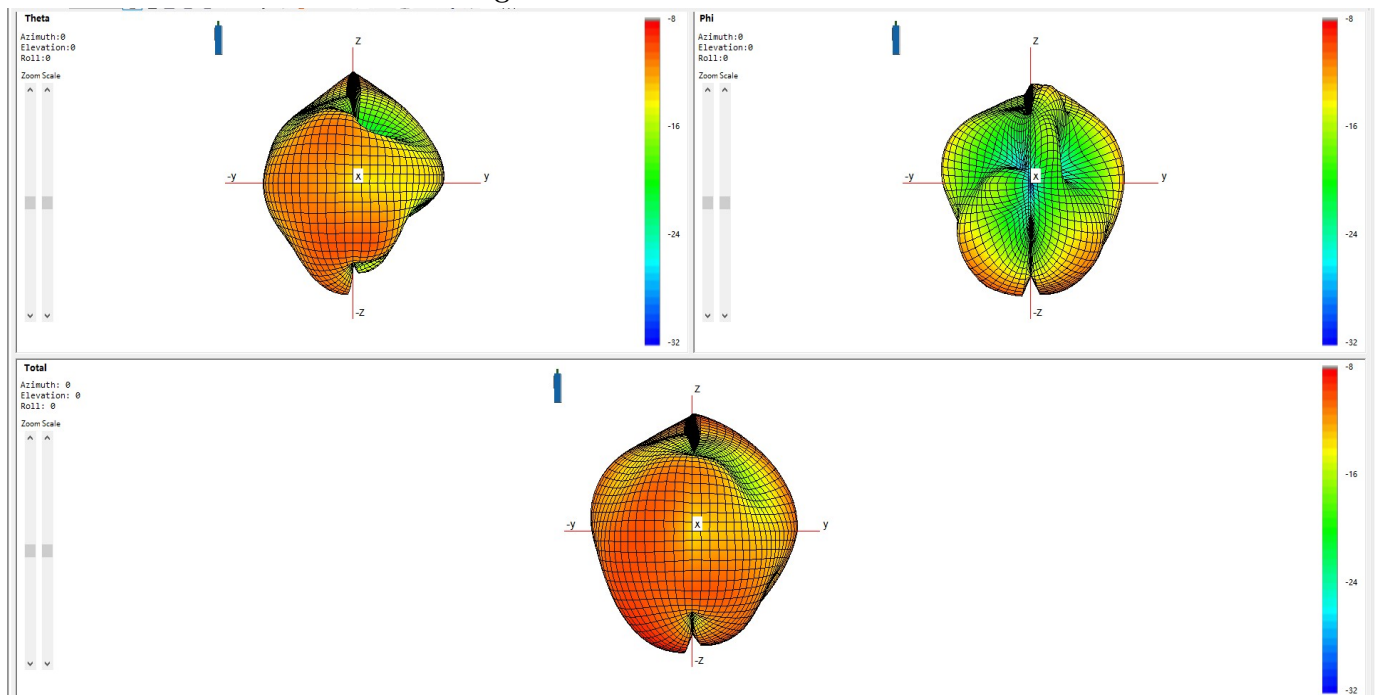




Efficiency:

Freq	Gain	Efficiency_dB	Efficiency_Pcent
2400	-5.46	-10.10	9.77
2410	-4.79	-9.33	11.66
2420	-4.24	-8.67	13.59
2430	-3.93	-8.28	14.84
2440	-3.73	-7.99	15.88
2450	-3.42	-7.52	17.70
2460	-3.28	-7.28	18.71
2470	-2.86	-7.18	19.12
2480	-2.16	-6.72	21.30
2490	-2.49	-6.96	20.16
2500	-2.22	-6.78	20.99
AVG	-3.51	-7.89	16.70

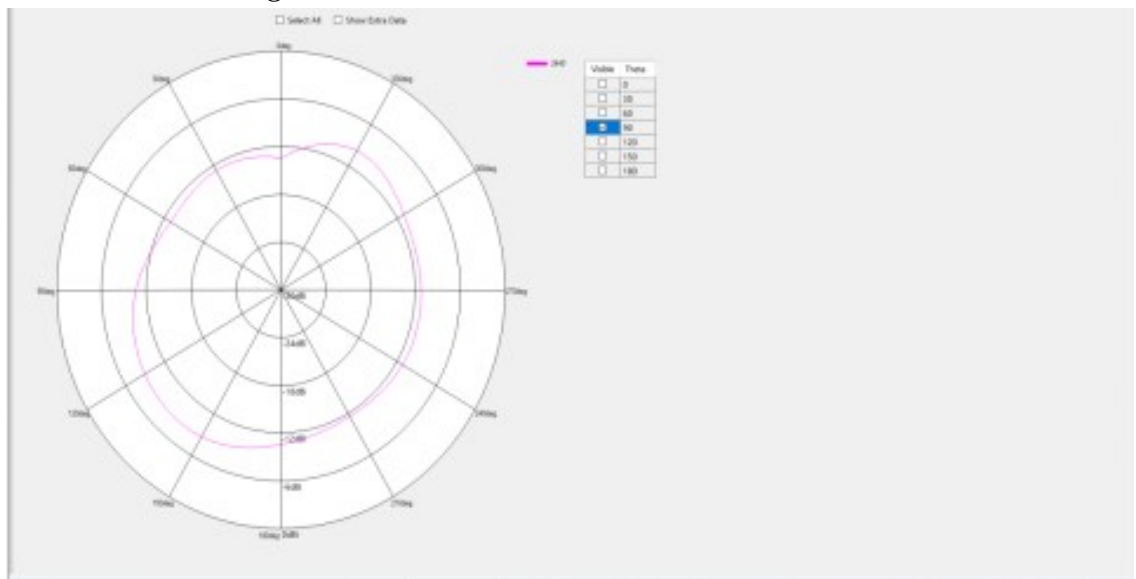
Passive 3D directional diagram:



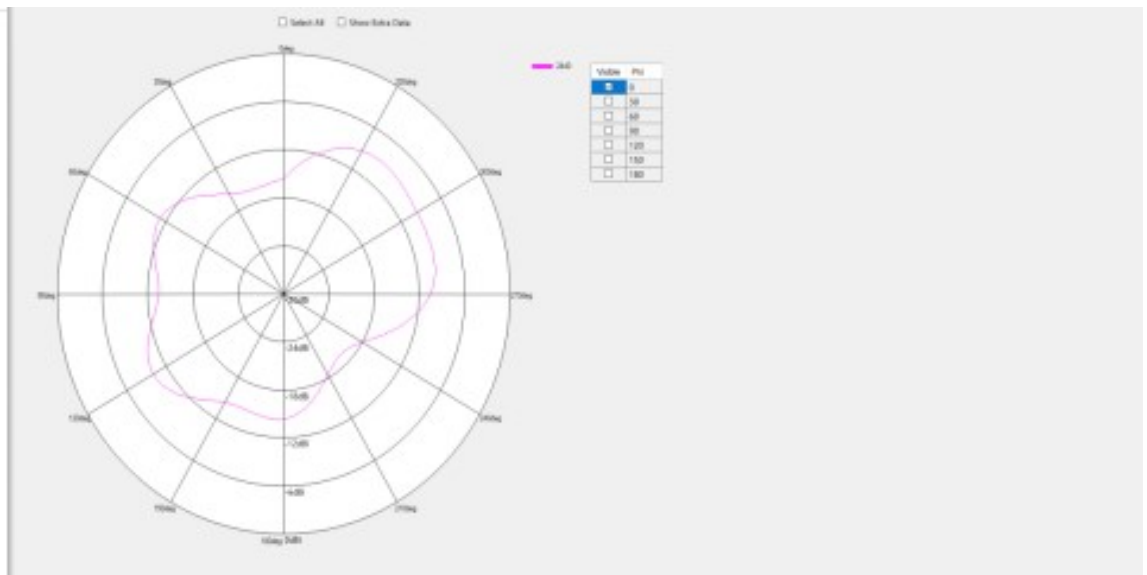


Passive 2D directional diagram:

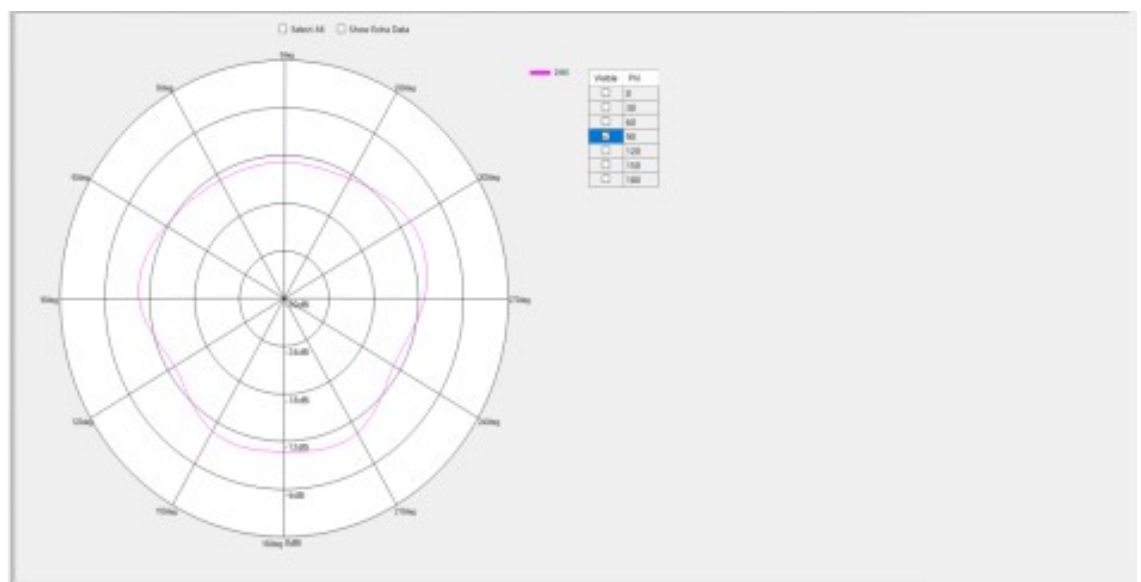
Theta90°



Phi0°



Phi90°





II: 3D Active test report of antenna

FS	Channel	TRP	TIS
L	0	4.4	-89.0
	39	5.8	-90.9
	78	7.3	-92.2



OTA Standard Chamber



III: Structure file

