



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

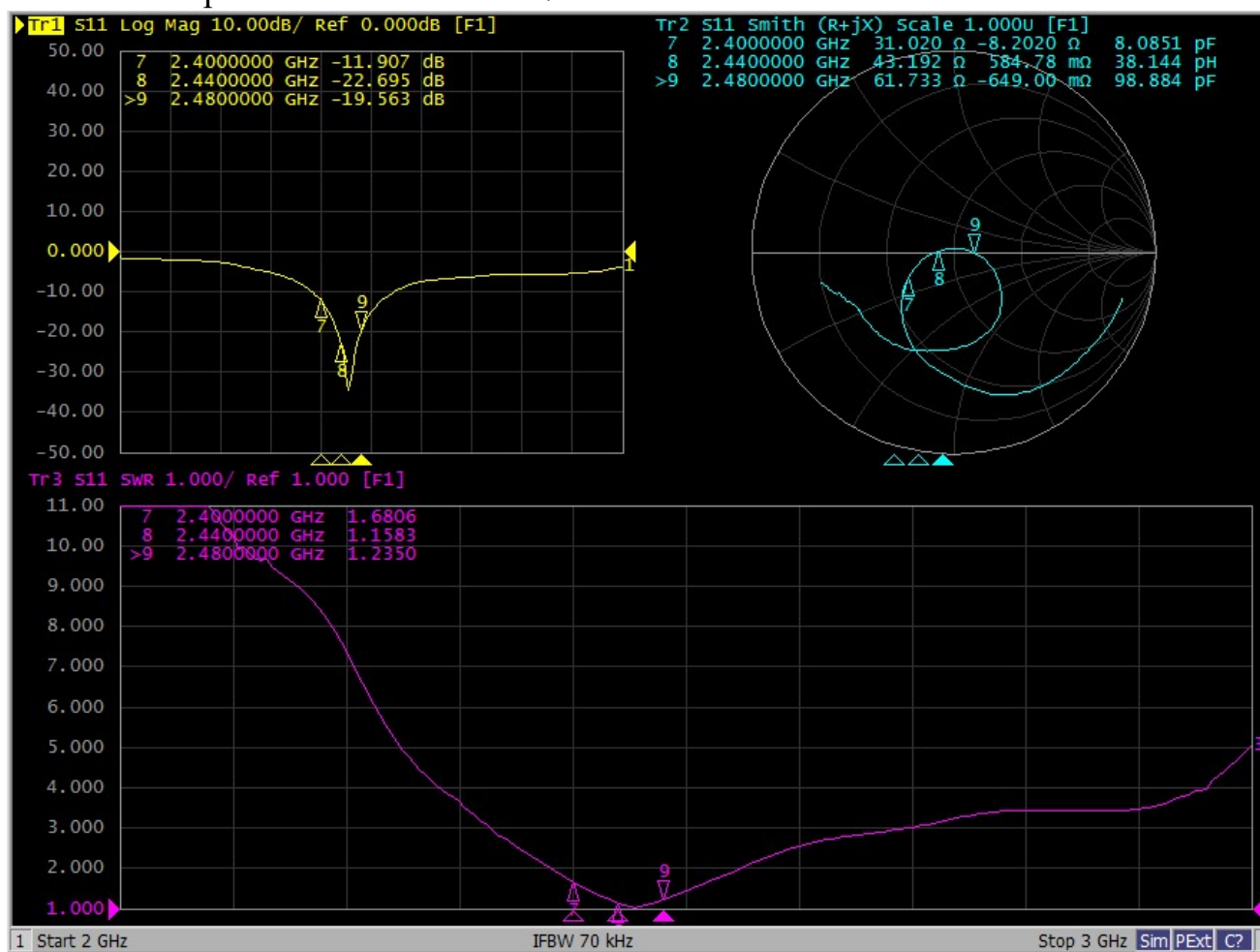


I: The report of passive data



Angilent E5071C

Antenna S11 parameter test situation:

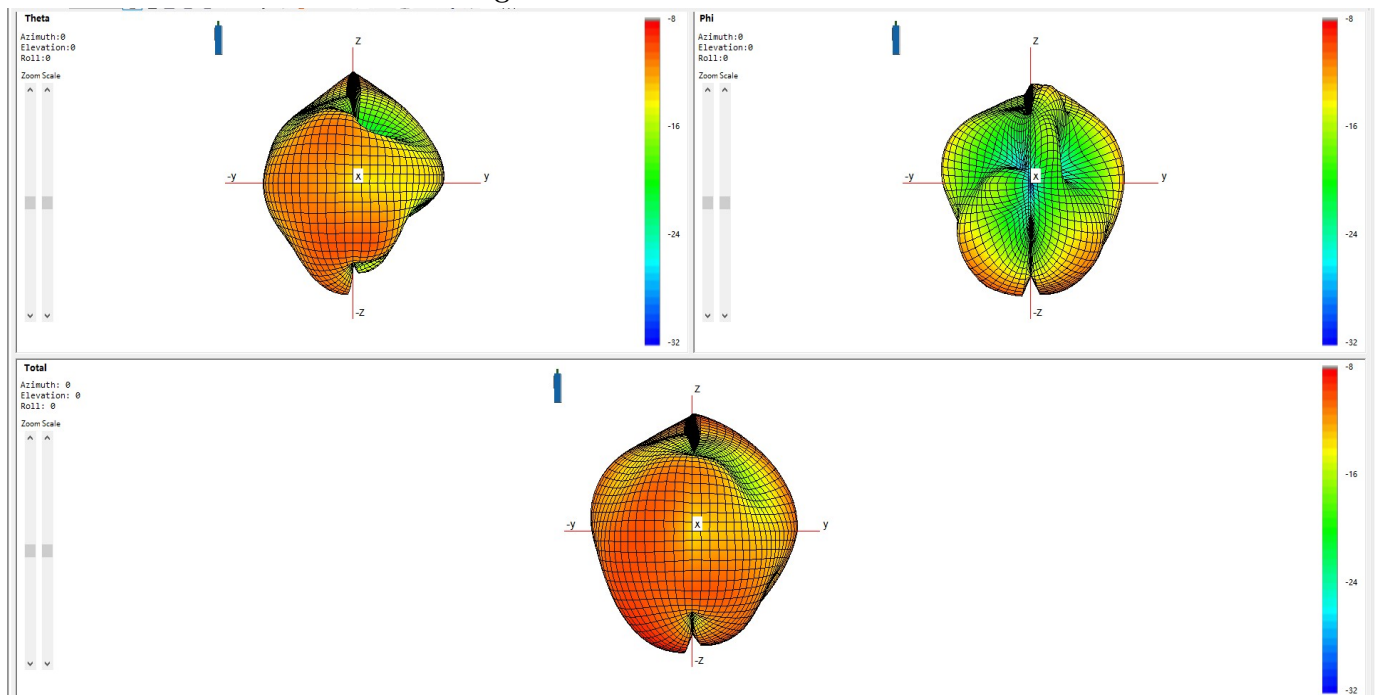




Efficiency:

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

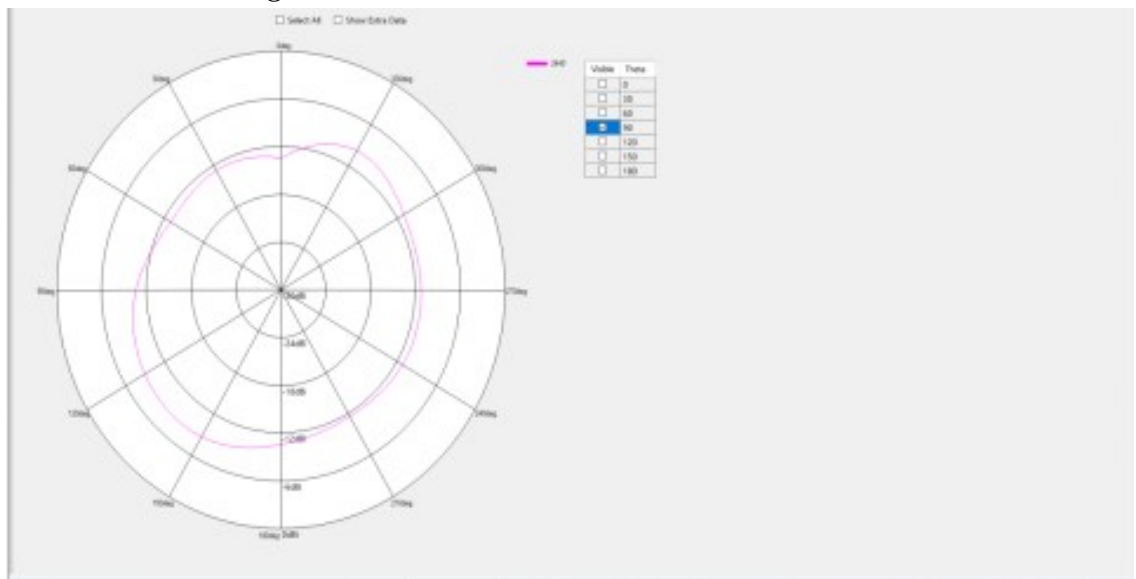
Passive 3D directional diagram:



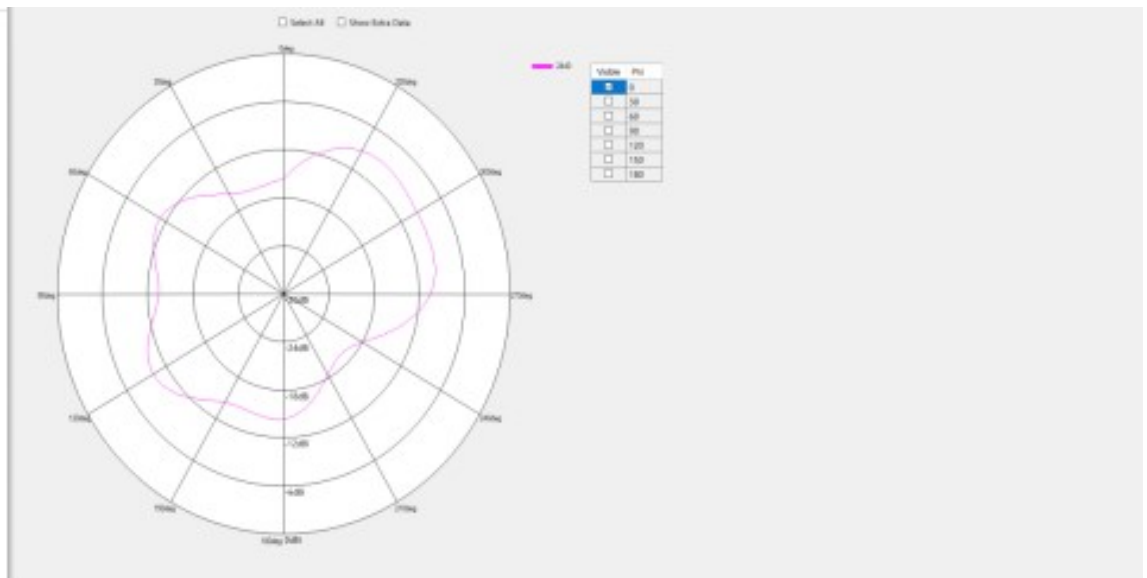


Passive 2D directional diagram:

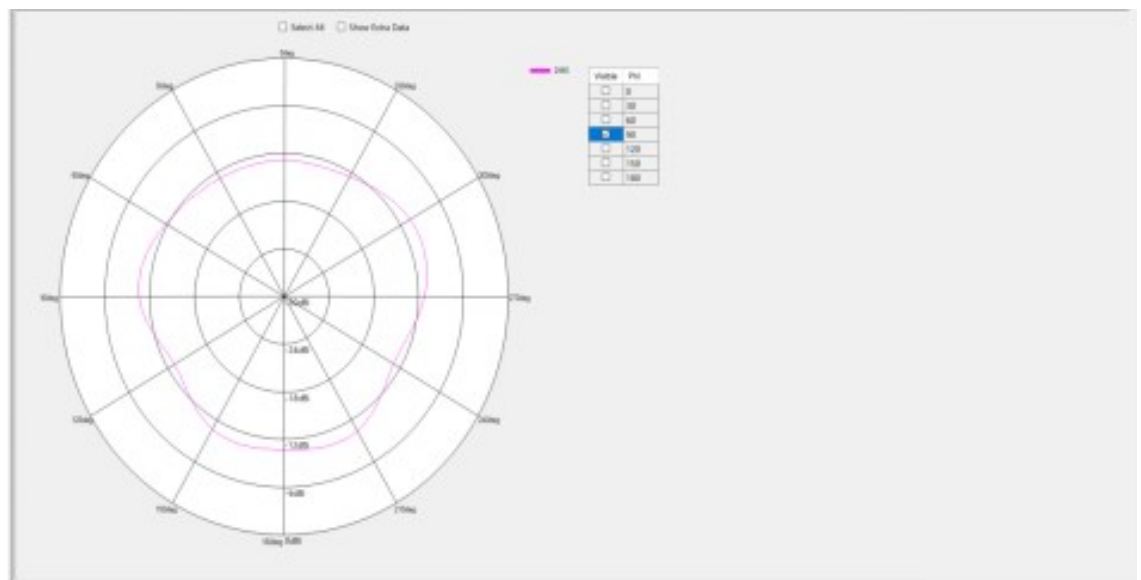
Theta90°



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

The figure consists of two technical drawings of a component, labeled "Heads" and "Tails".

Heads View:

- Shows a cross-section of the component.
- Labels include "White silk screen" pointing to the top surface and "Yellow covering film" pointing to the side surfaces.
- A dimension line indicates a length of 13,14±0,2.

Tails View:

- Shows another cross-section of the component.
- Labels include "Yellow covering film" pointing to the top surface and "White silk screen" pointing to the side surfaces.
- A dimension line indicates a width of 4,82±0,2.
- A label "CC LM V12 2.5" points to a specific feature.

the third angle projection method		Material no		Model		LM	
More tolerances see at the end of the standard		Date		Type		BT-PPC	
		Design		Page		I/1	
		Material		Review		TIQ	
		Unit		mm		mm	
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