



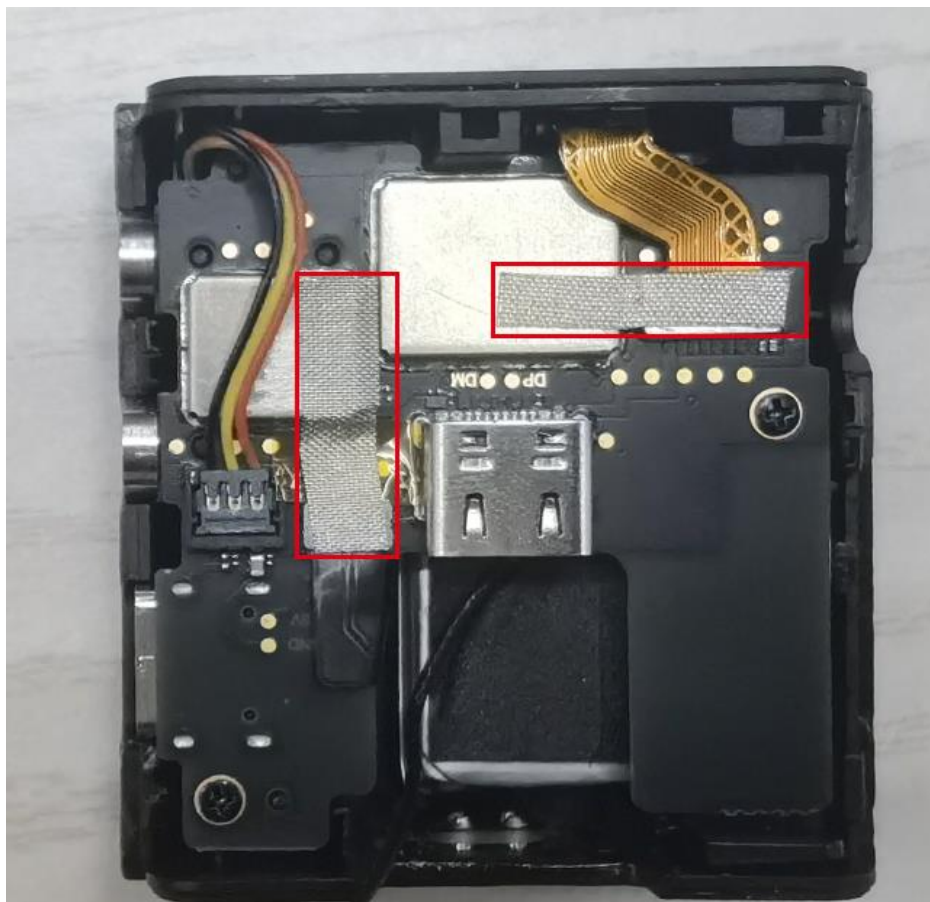
景创科技

KING CHUANG TECH

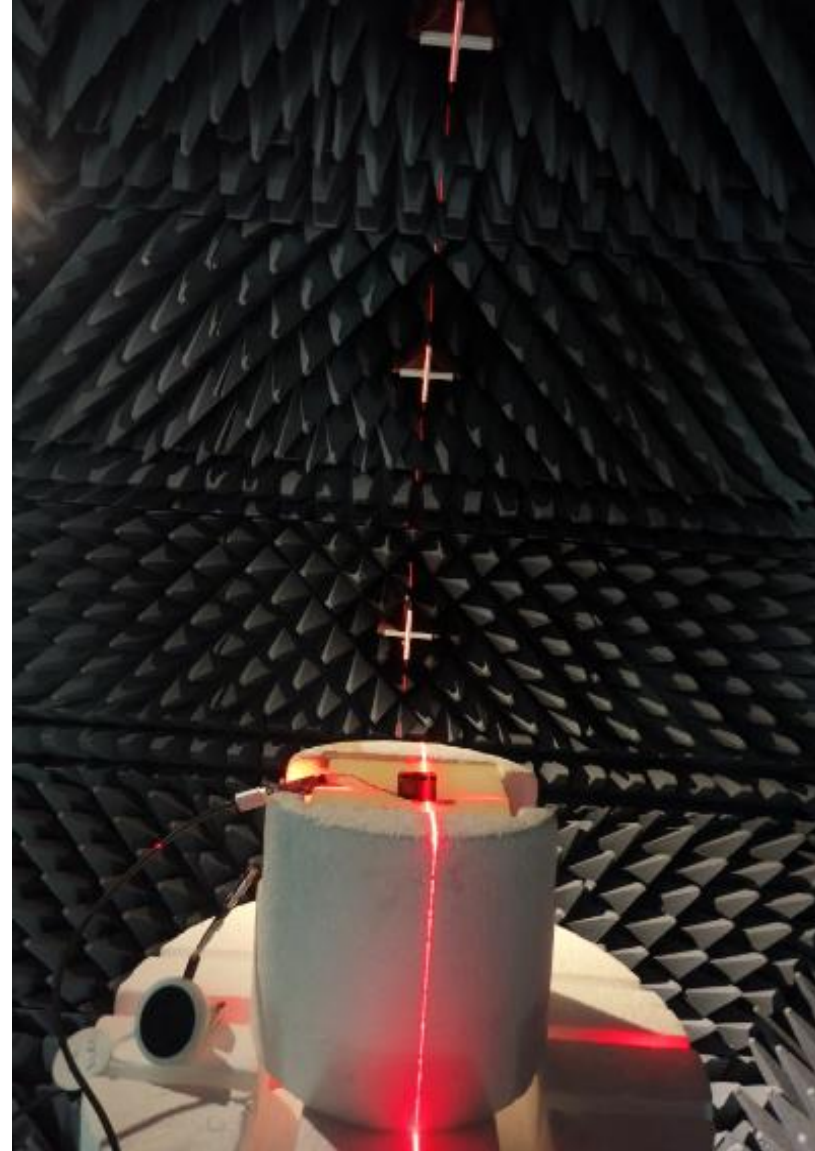
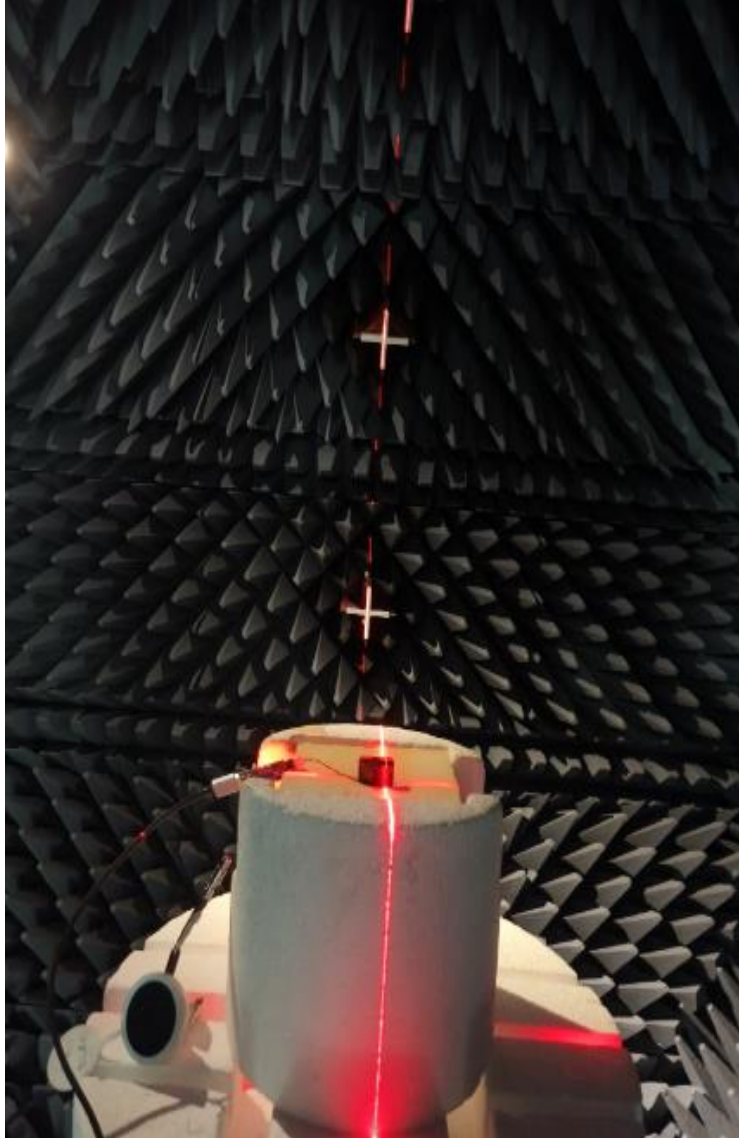
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❖ RX V4.1 LDS Antenna OTA Test Result



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	THOT 1 st passive sample test result
RX Antenna	
Efficiency	58% ~ 62%
Max. Gain	1.9 dBi @ 2420MHz 2.5 dBi @ 2450MHz 2.2 dBi @ 2480MHz
VSWR	2402MHz @ 1.56 2484MHz @ 1.2261

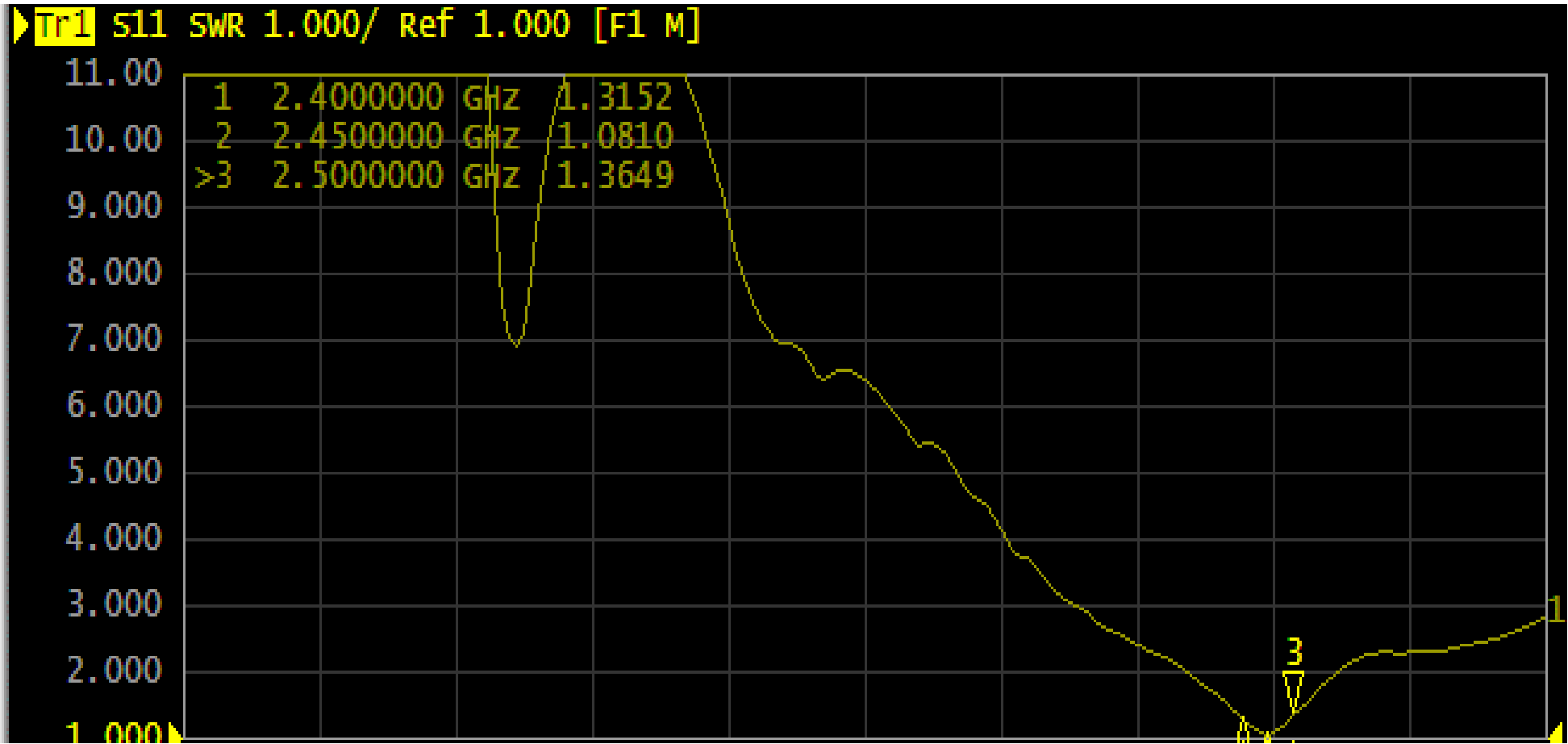
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RX Antenna

Band	Total Efficiency %	Total Efficiency dB	Gain dBi
2400	58%	-2.4	1.8
2410	58%	-2.4	1.9
2420	59%	-2.3	1.9
2430	60%	-2.2	2.1
2440	61%	-2.1	2.3
2450	62%	-2.1	2.5
2460	61%	-2.1	2.5
2470	60%	-2.2	2.3
2480	59%	-2.3	2.2
2490	58%	-2.4	1.9
2500	58%	-2.4	1.8

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RX Antenna



- VSWR

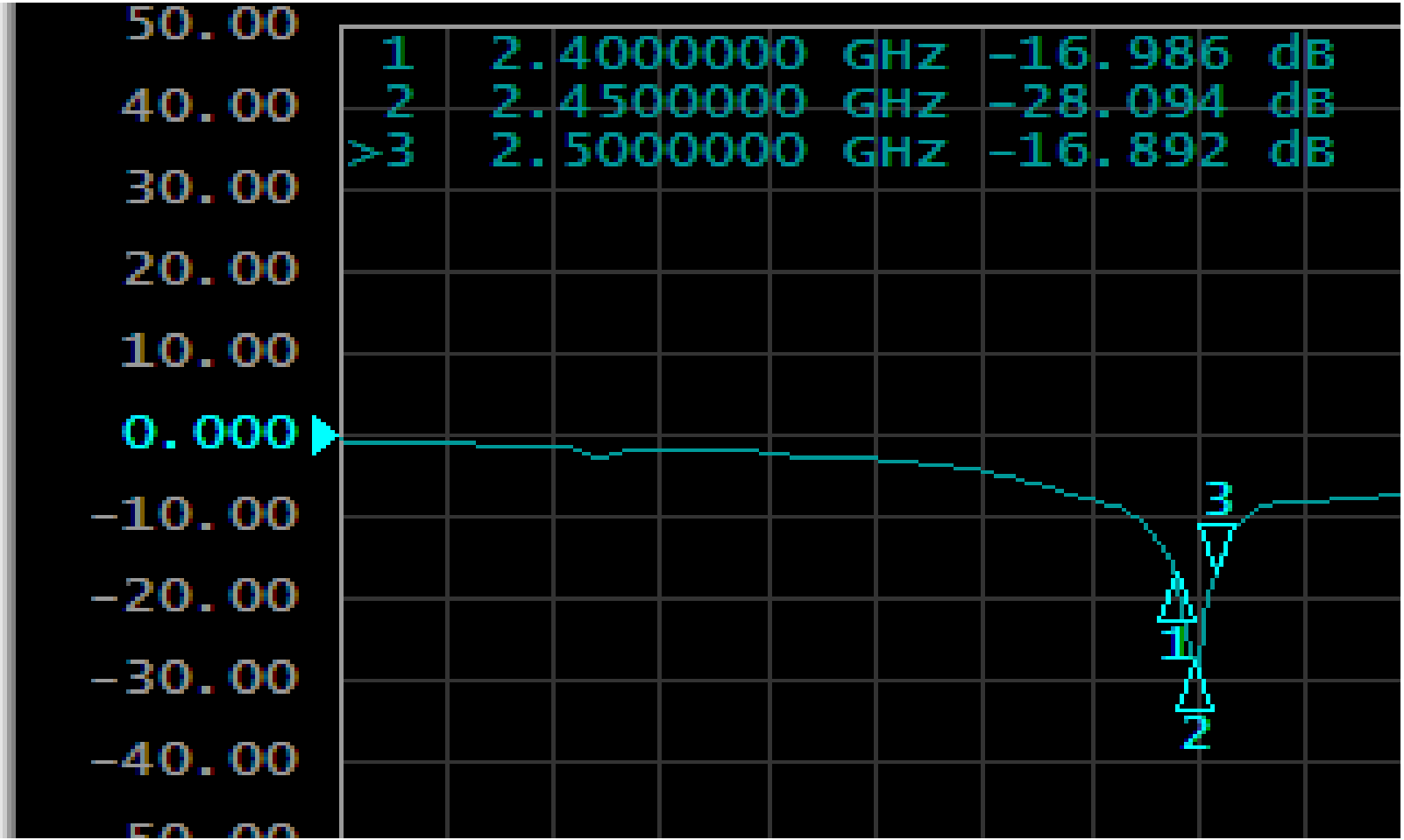
2400MHz @ 1.3152

24500MHz @ 1.0810

2500MHz @ 1.3649

❖ RX V4.1 LDS Antenna OTA Test Result

RX Antenna



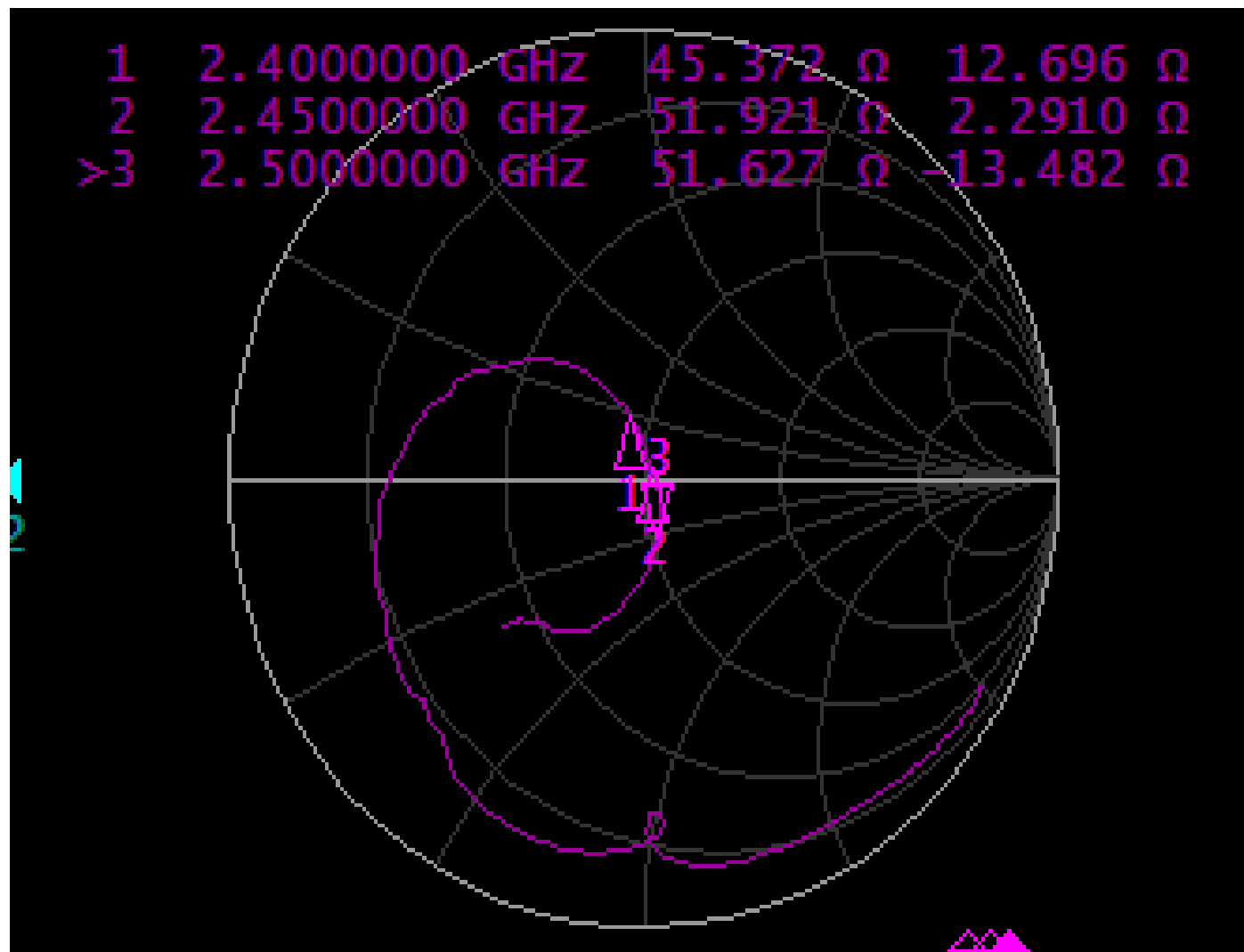
S-11 LogMag

- S-Parameters

- 2400MHz @ -16.986
- 2450MHz @ -28.094
- 2500MHz @ -16.892

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RX Antenna



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	Conductive test		OTA Test	
	TX (dBm)	RX (dBm)	TX (dBm)	RX (dBm)
CH 0	8.6dBm	-97.2dBm	6.15dBm	-95.42
CH 19	9dBm	-97.5dBm	6.52dBm	-95.62
CH 39	9.1dBm	-96.9dBm	6.58dBm	-95.23

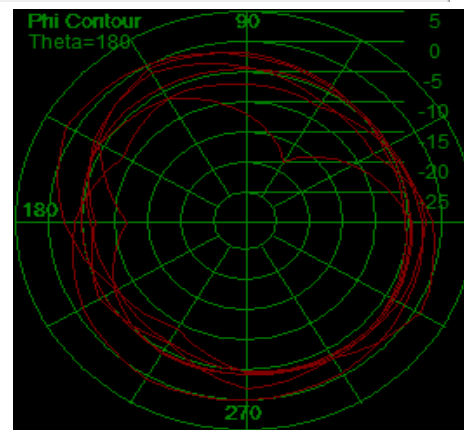
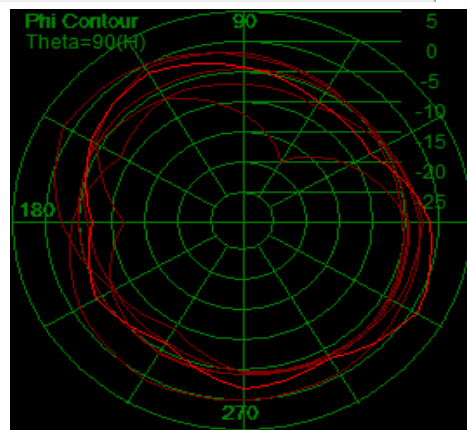
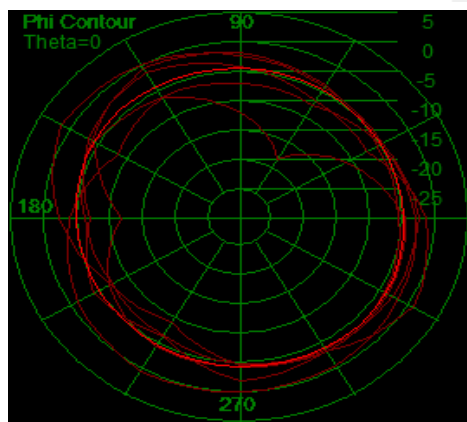
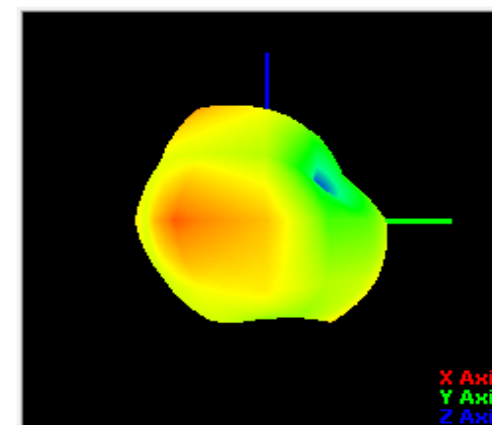
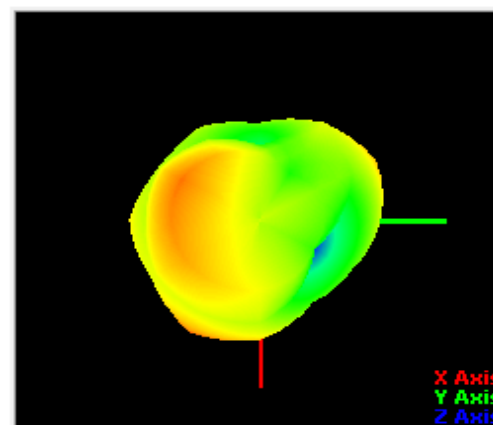
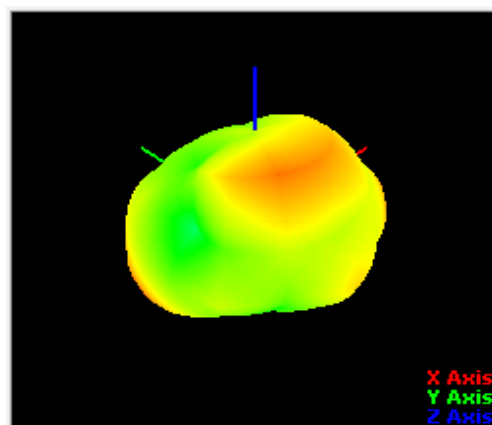
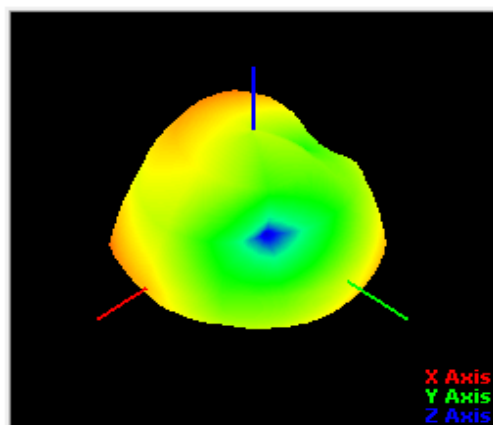
❖ RX V4.1 LDS Antenna OTA Test Result

Polar Diagram for frequency 2400 MHz

theta = 0 degree

theta = 90 degree

theta = 180 degree



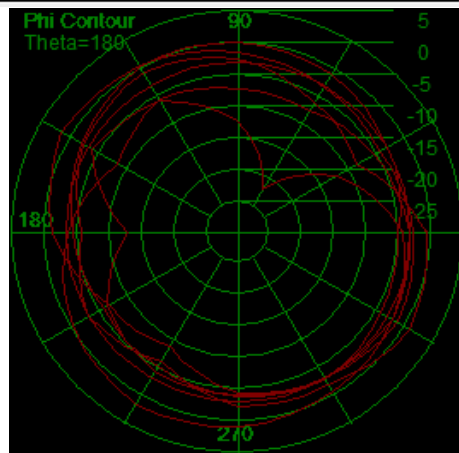
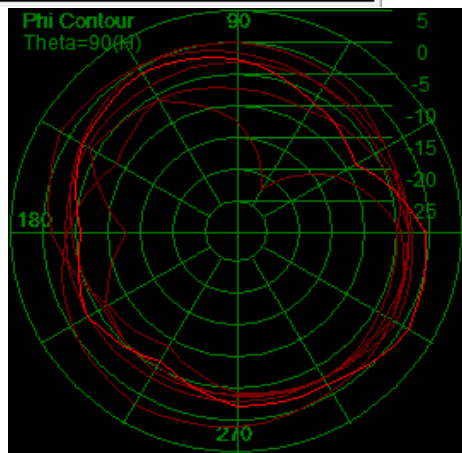
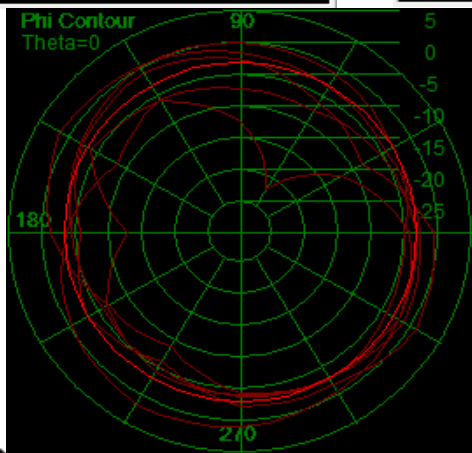
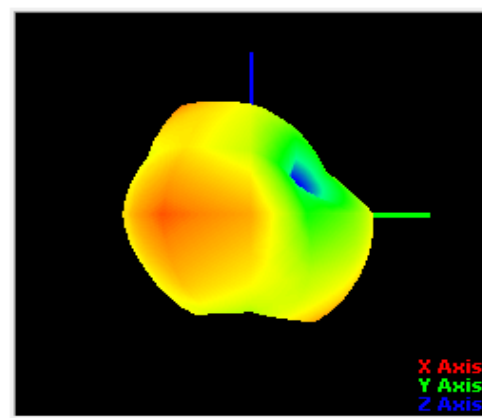
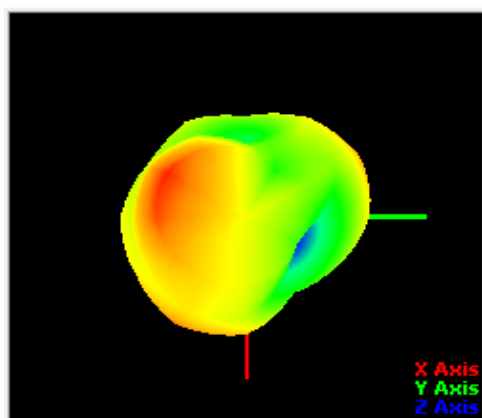
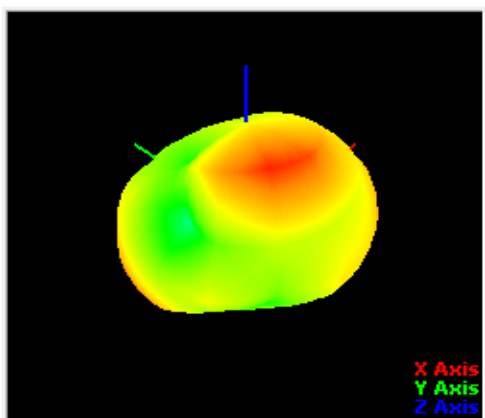
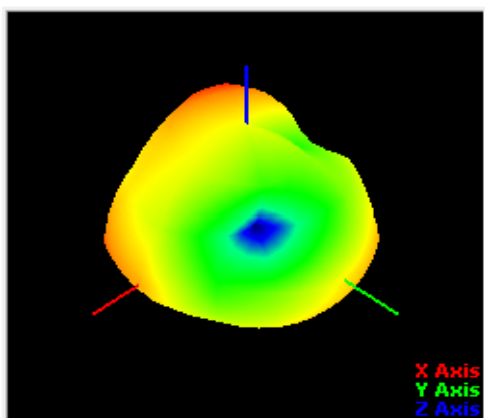
❖ RX V4.1 LDS Antenna OTA Test Result

Polar Diagram for frequency 2450 MHz

theta = 0 degree

theta = 90 degree

theta = 180 degree



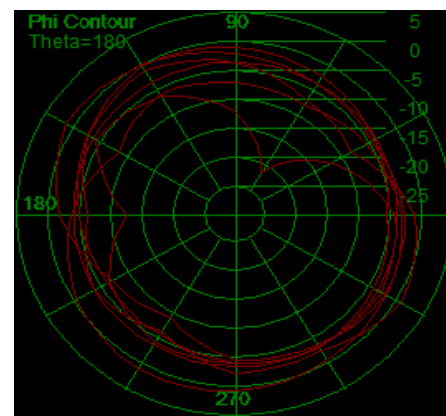
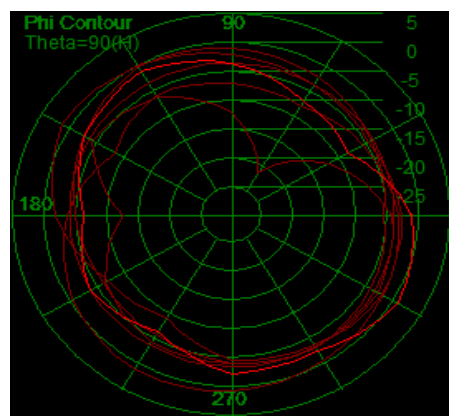
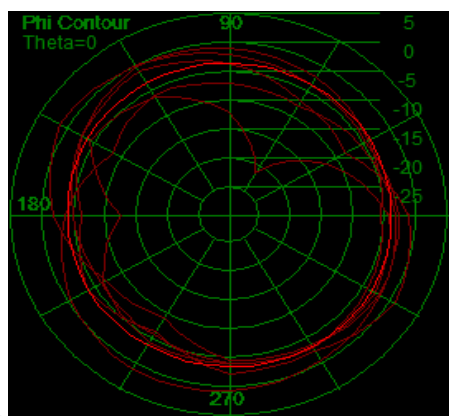
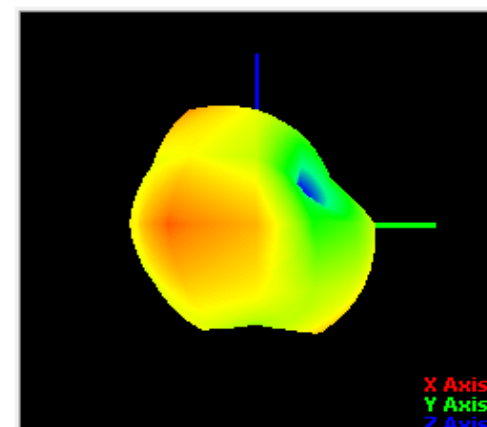
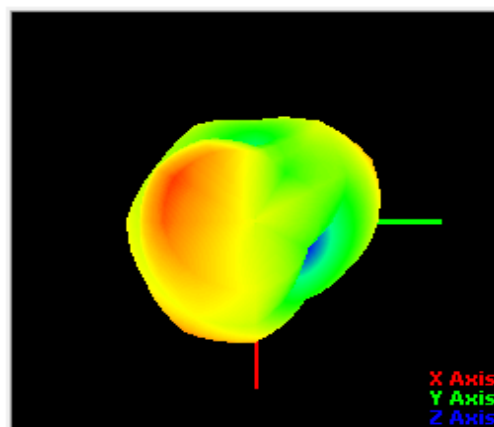
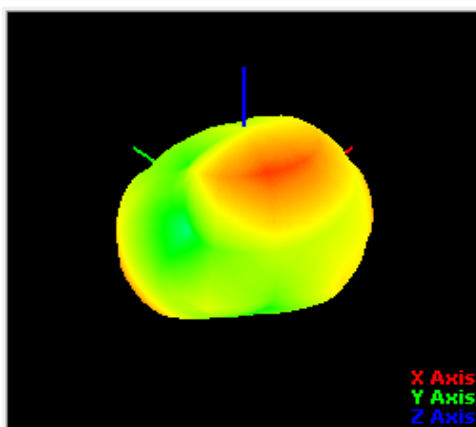
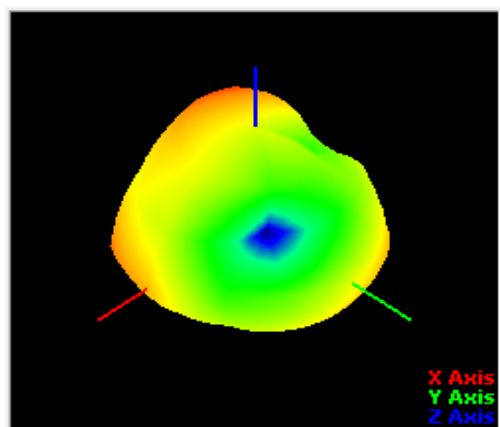
❖ RX V4.1 LDS Antenna OTA Test Result

Polar Diagram for frequency 2500 MHz

theta = 0 degree

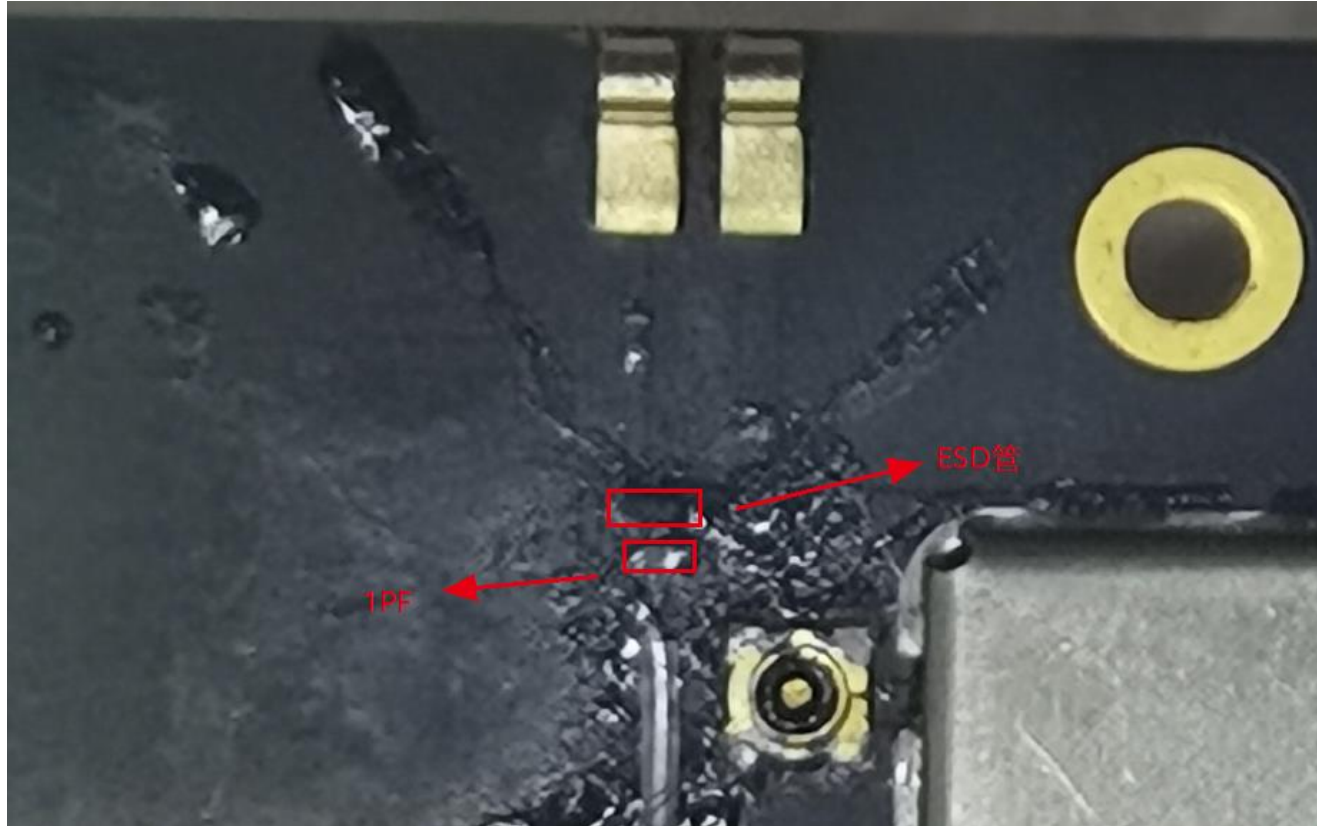
theta = 90 degree

theta = 180 degree



❖ RX V4.1 LDS Antenna OTA Test Result

RX Antenna



1. - ESD change to N.C.
2. - C47, C48 change to N.C.



THANKS

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