



SONY DVT Mouse & Dongle Antenna Test Report

PRIMAX

2025/01/02

INTELLIGENT INTERFACE BUSINESS GROUP

➤ Mouse Antenna

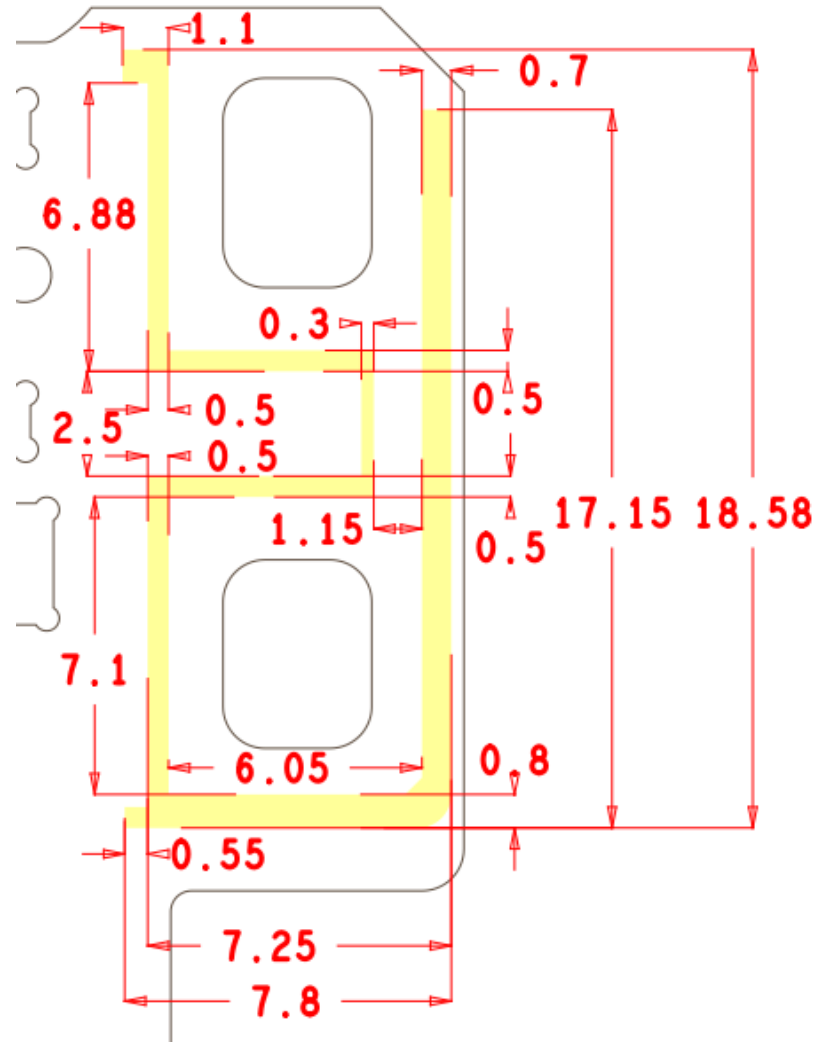
- Test Condition
- Return Loss (S_{11})
- 3D Efficiency
- 2D Pattern
- 3D Pattern
- Peak Gain

➤ Dongle Antenna

- Test Condition
- Return Loss (S_{11})
- 3D Efficiency
- 2D Pattern
- 3D Pattern
- Peak Gain

Mouse Antenna size

CONFIDENTIAL

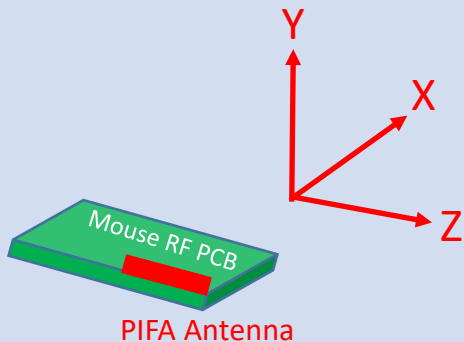
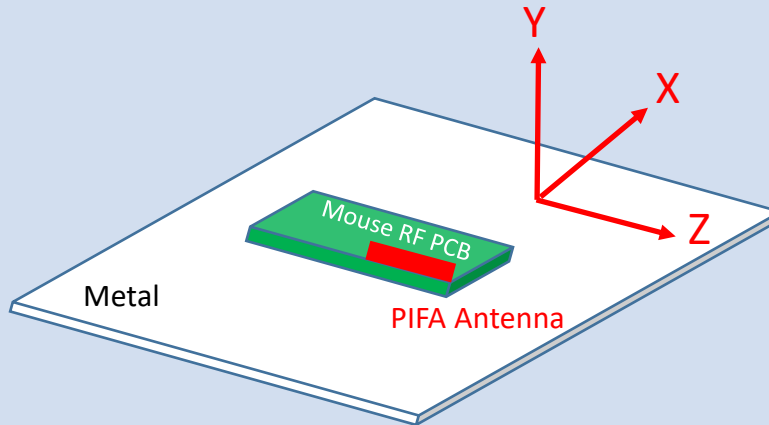
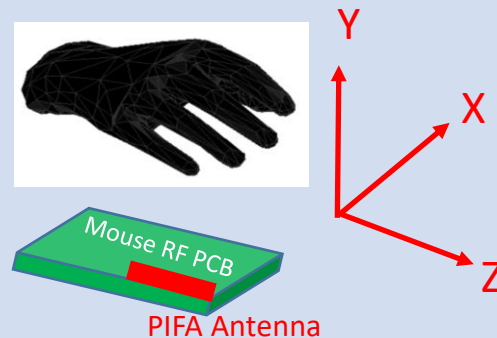


Mouse Test Condition

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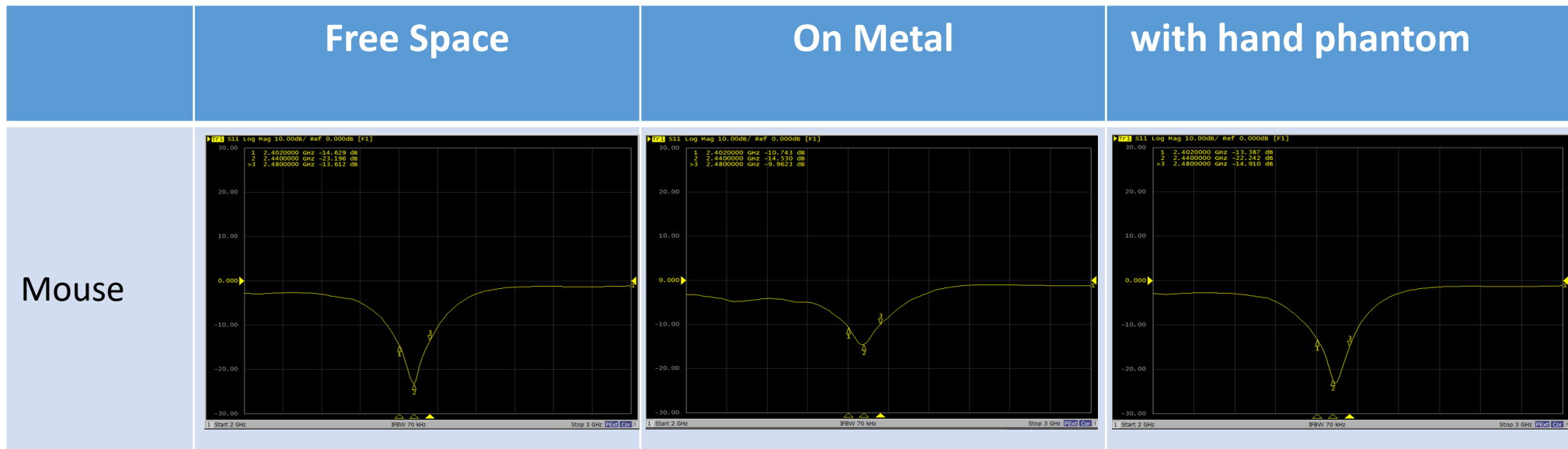
Antenna Laboratory: ETS Lindgren System
CTIA Certification, OTA3 ADT



Free Space	On Metal	with phantom
		

Mouse Antenna Return Loss (S11)

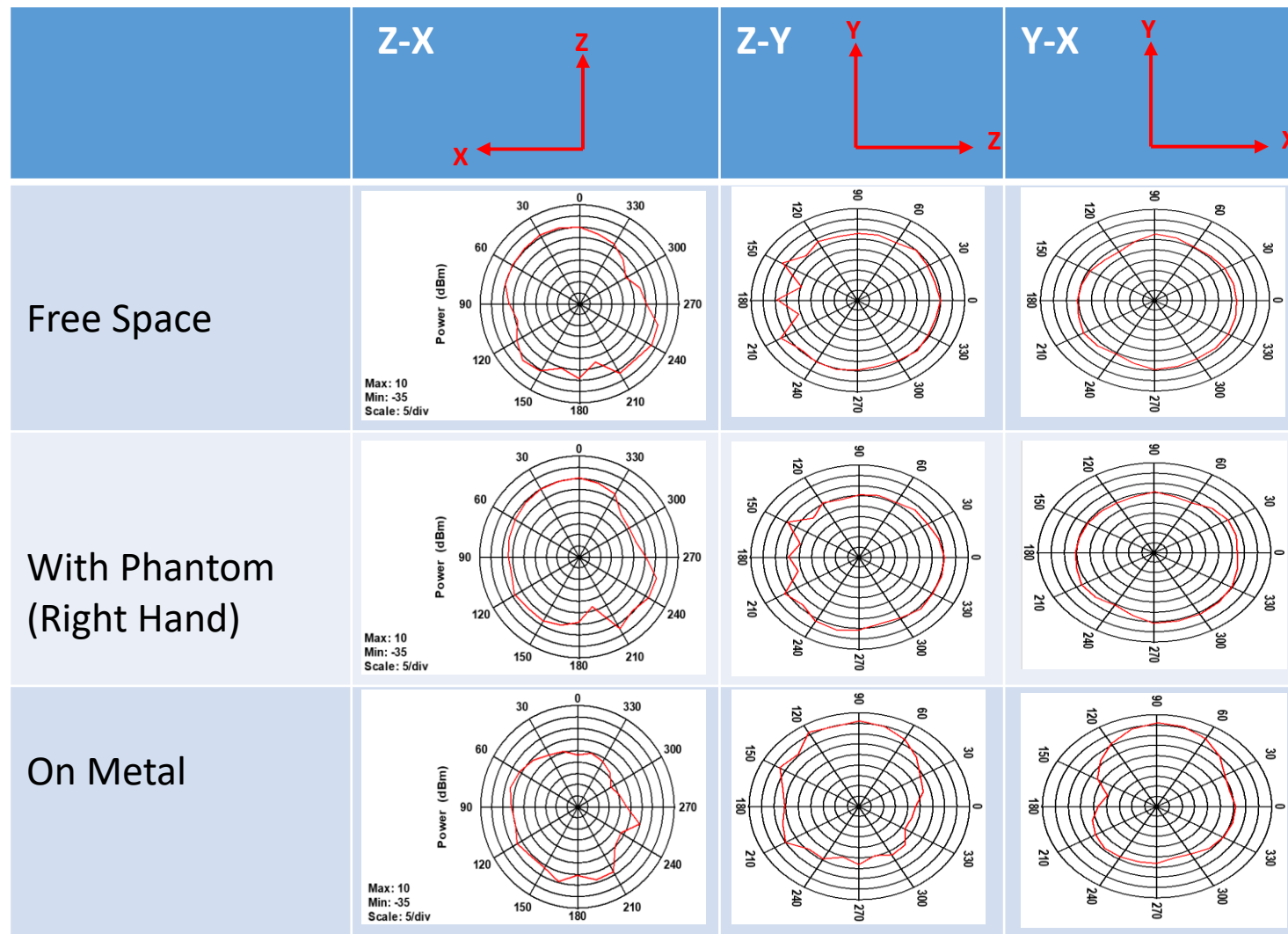
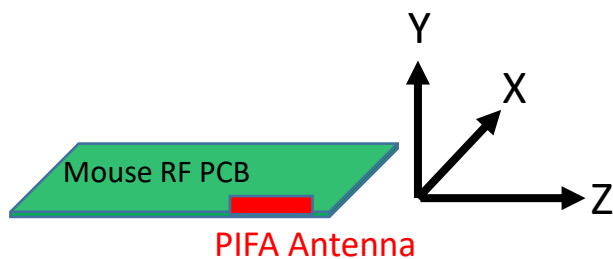
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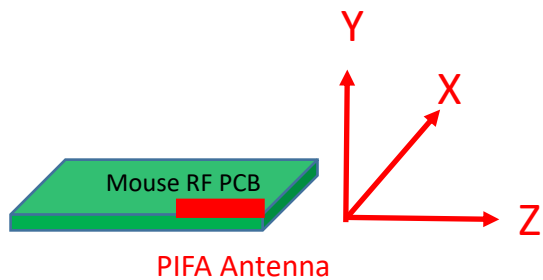
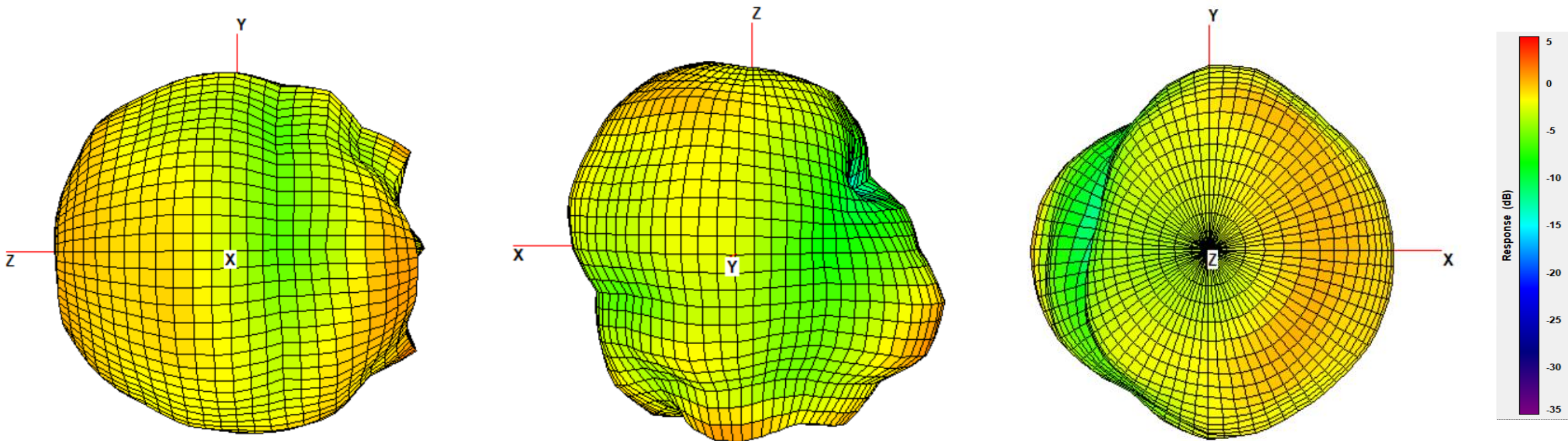
Model	Free Space					On Metal					with hand phantom				
Frequency [MHz]	2402	2440	2450	2479		2402	2440	2450	2479		2402	2440	2450	2479	
Efficiency Spec.[dB]	-3	-3	-3	-3		-6	-6	-6	-6		-4	-4	-4	-4	
Efficiency [dB]	-2.2	-1.9	-1.9	-2.0		-2.7	-2.6	-2.7	-2.9		-2.6	-2.4	-2.4	-2.5	
Peak Gain[dB]	3.5	3.0	3.2	3.5											
Result	PASS					PASS					PASS				

Mouse 2D Pattern

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→ No nulls in forward direction, PASS





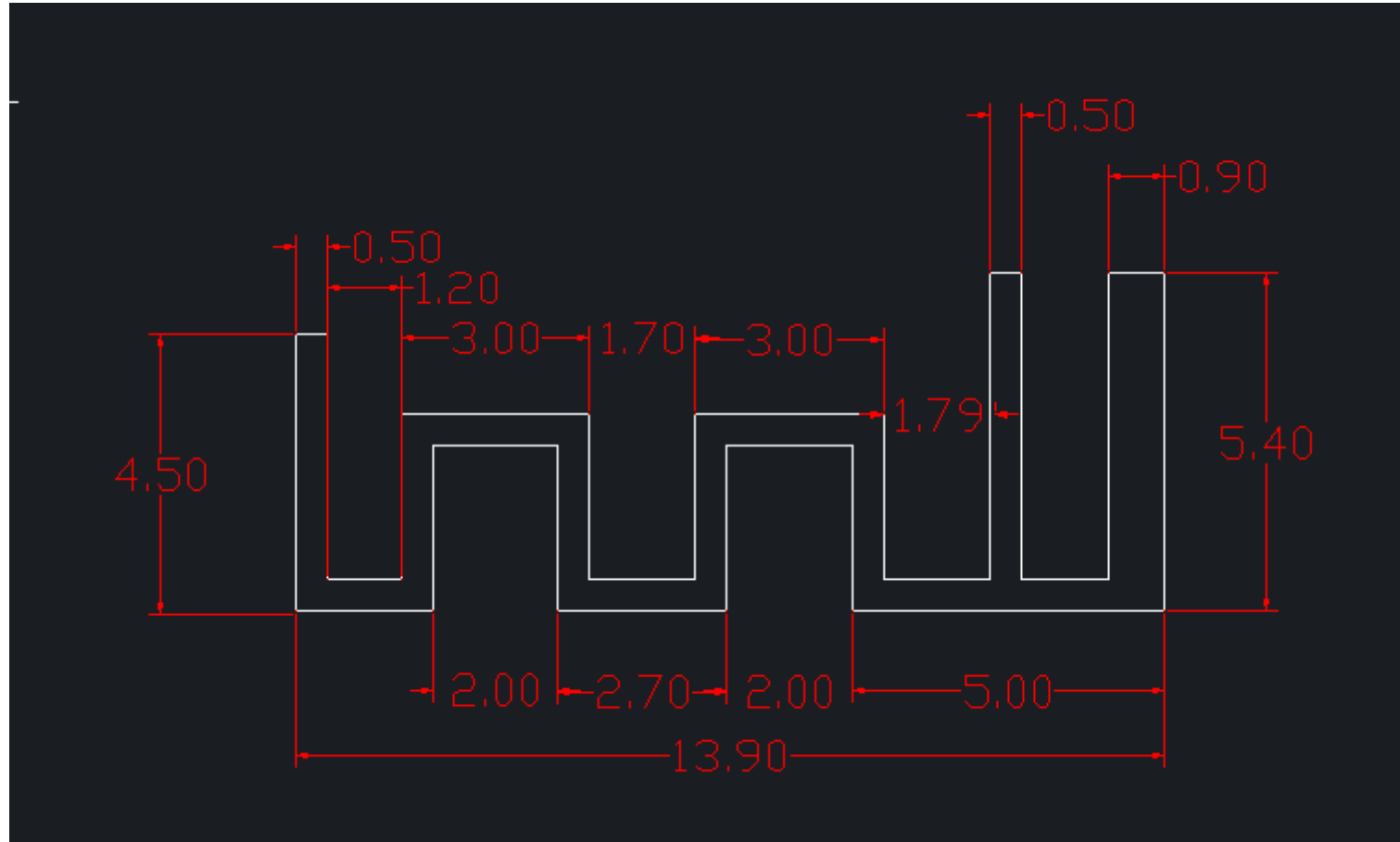
Peak Gain: Mouse -3D Free Space

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Model	Primax_SONY Mouse_DVT_3D_Gain_FS_2402-2479MHz			
Test / Position	Free Space			
Frequency	2402	2440	2450	2479
Peak Gain (dBi)	3.5	3.0	3.2	3.5

Dongle Antenna size

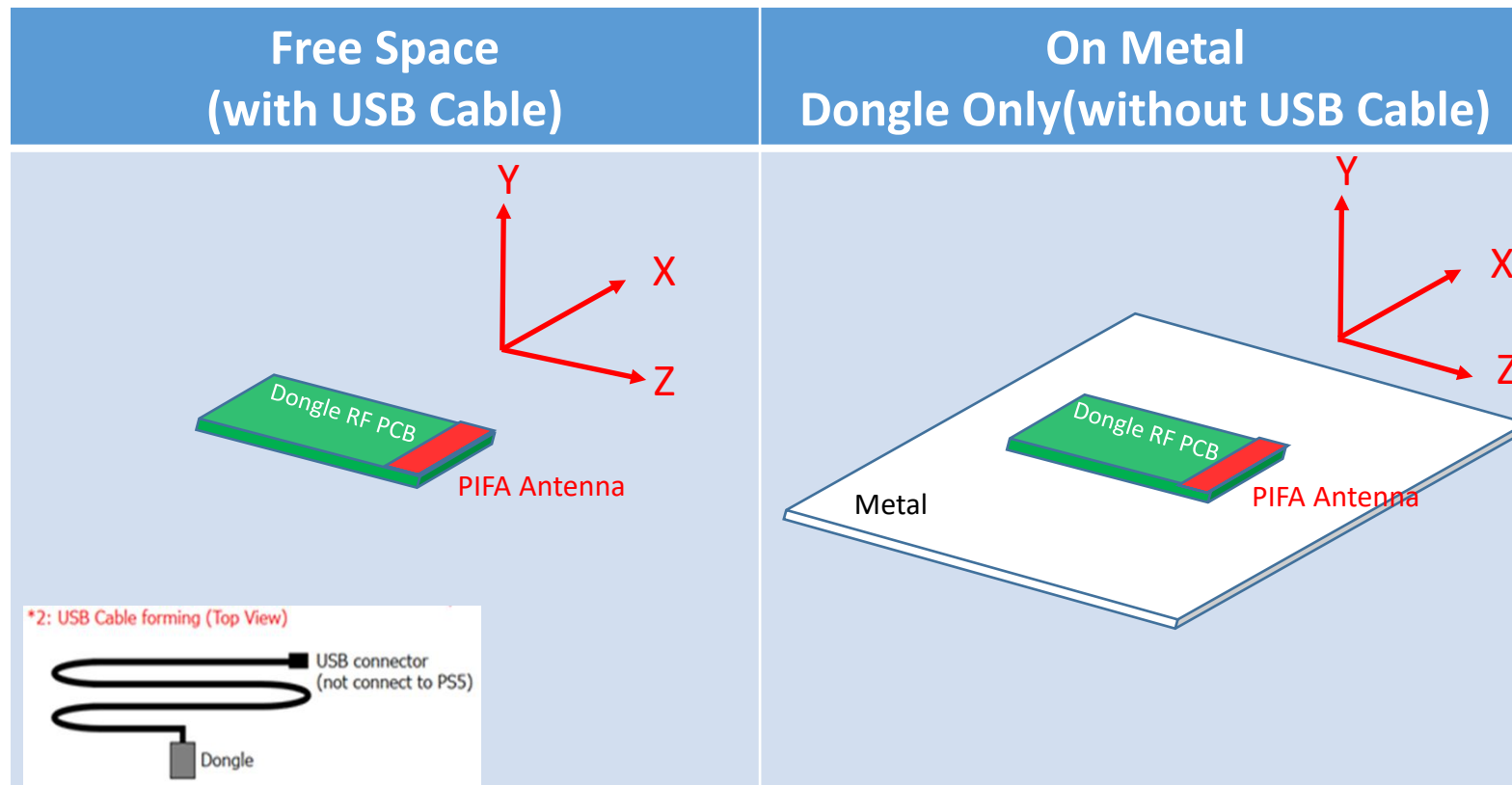
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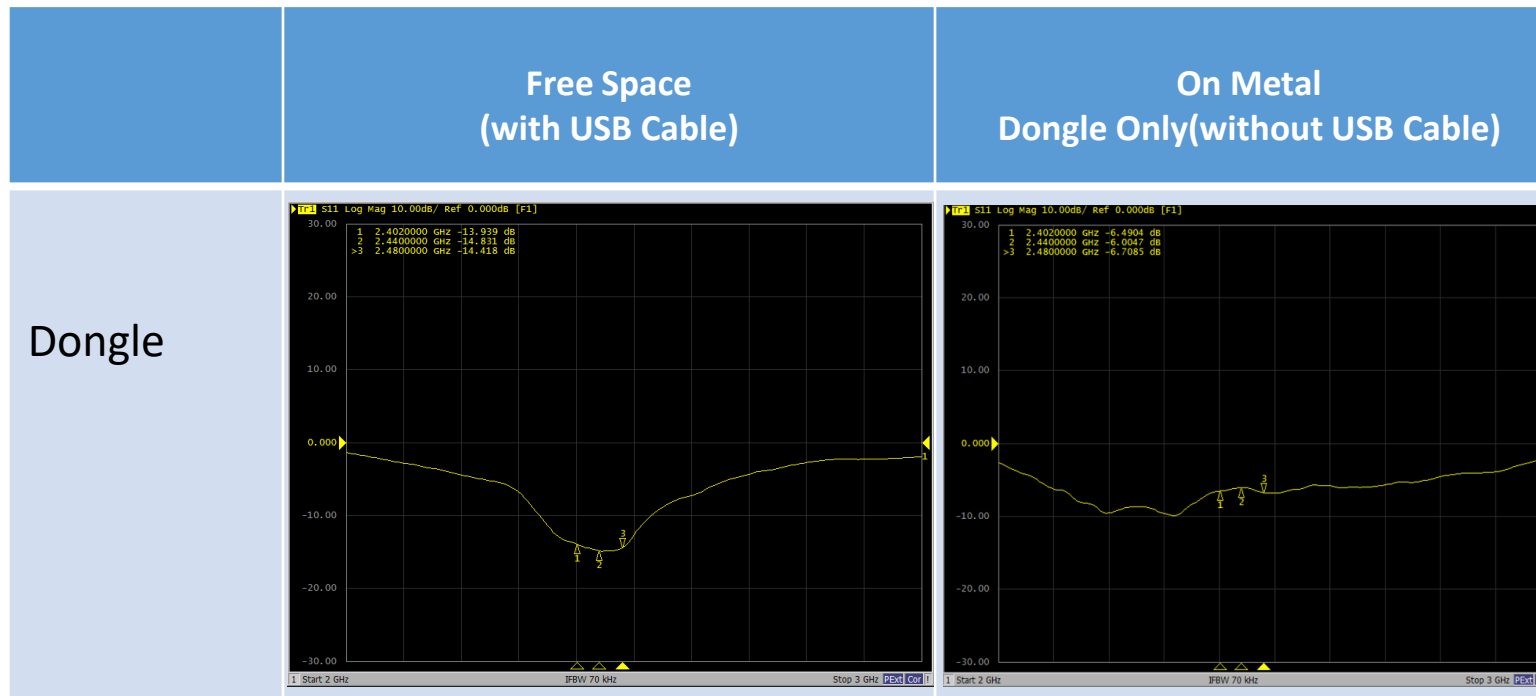


Dongle Test Condition

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Antenna Laboratory: ETS Lindgren System
CTIA Certification, OTA3 ADT







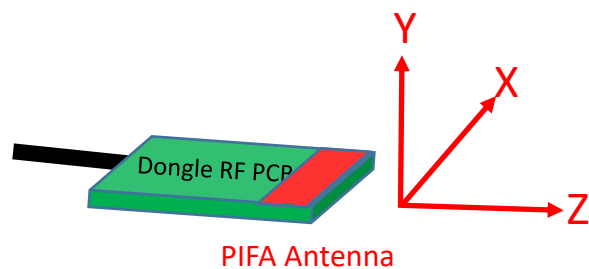
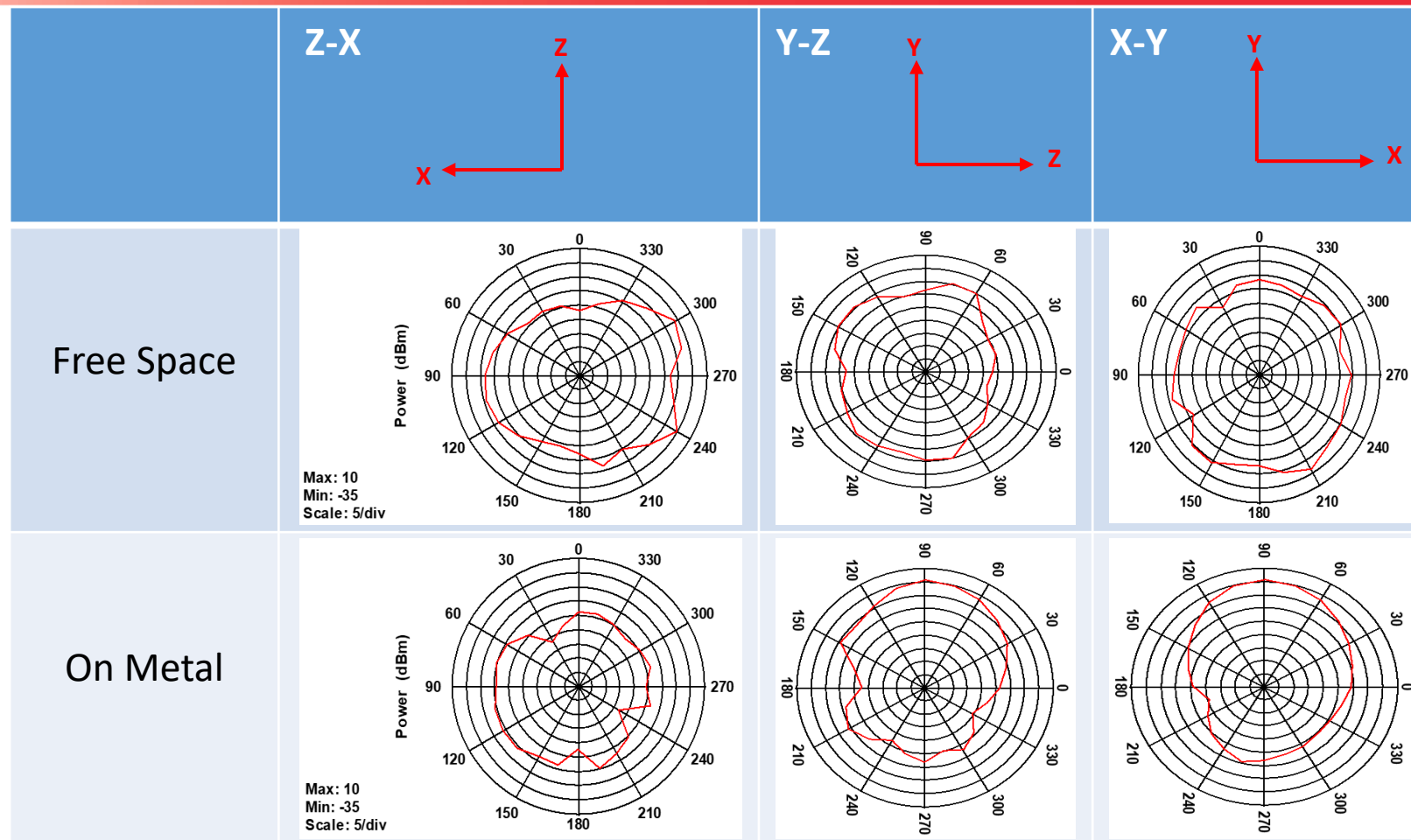
Dongle 3D Efficiency

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Model	Free Space					On Metal				
Frequency [MHz]	2402	2440	2450	2479		2402	2440	2450	2479	
Efficiency Spec.[dB]	-3.5	-3.5	-3.5	-3.5		-7	-7	-7	-7	
Efficiency [dB]	-1.6	-1.4	-1.4	-1.3		-3.6	-3.8	-3.8	-4.1	
Peak Gain[dB]	5.4	5.5	5.5	5.2		2402	2440	2450	2479	
Result	PASS					PASS				

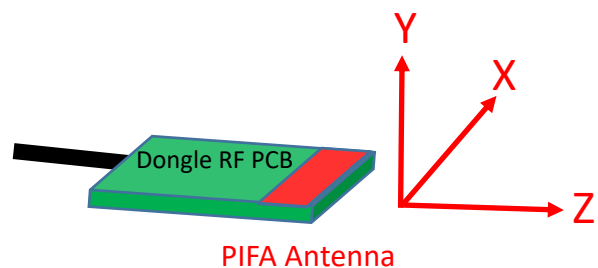
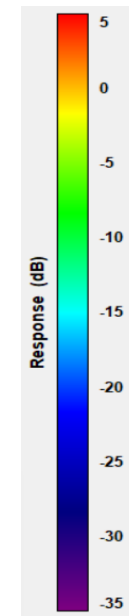
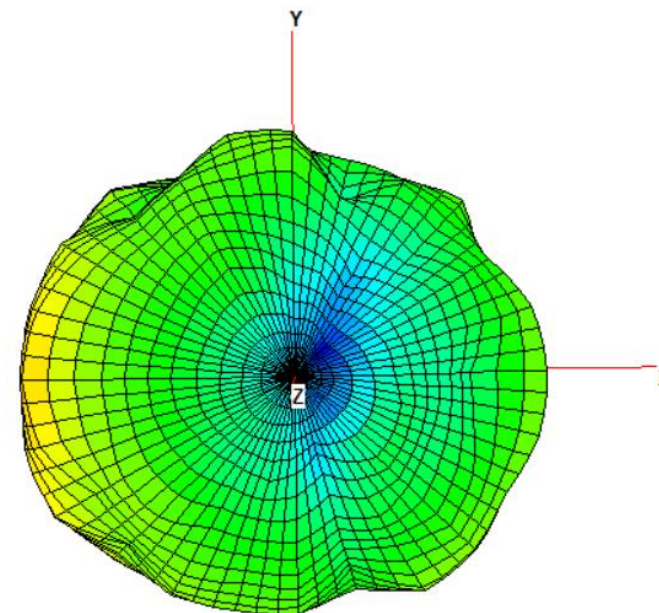
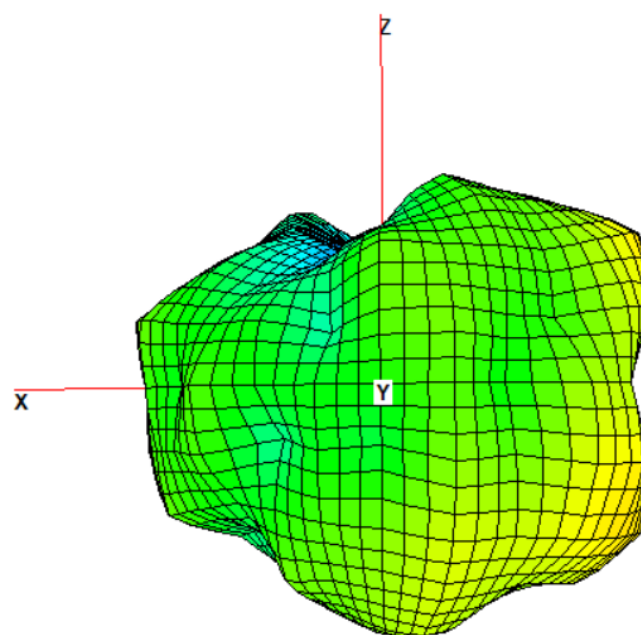
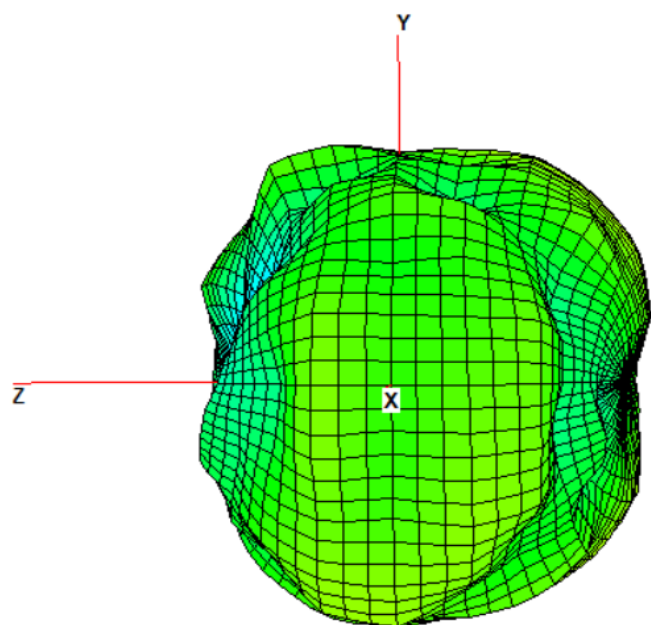
Dongle 2D Pattern

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Dongle 3D Pattern -Free Space

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Peak Gain: Dongle -3D Free Space

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Model	<i>Primax_SONY Dongle DVT_3D_Gain_FS_2402-2479MHz</i>			
Test / Position	<i>Free Space</i>			
Frequency (MHz)	2402	2440	2450	2479
Gain (dBi)	5.4	5.5	5.5	5.2