

OCEAN COMPONENTS LTD.

US LoRa Impedance Matching Anechoic Chamber Test Report

Customer: Arwin Technology Ltd.

Job Reference Name: RC-US LoRa (Impedance Matching)

Attn: Mr. Raymond Choi

Rm. 07, 19/F., Block A, D, Golden Bear Industrial Centre, 66~82 Chai Wan Kok Street, Tsuen Wan, New Territories, Hong Kong

Tel: (852)-23920136

July 11-2022

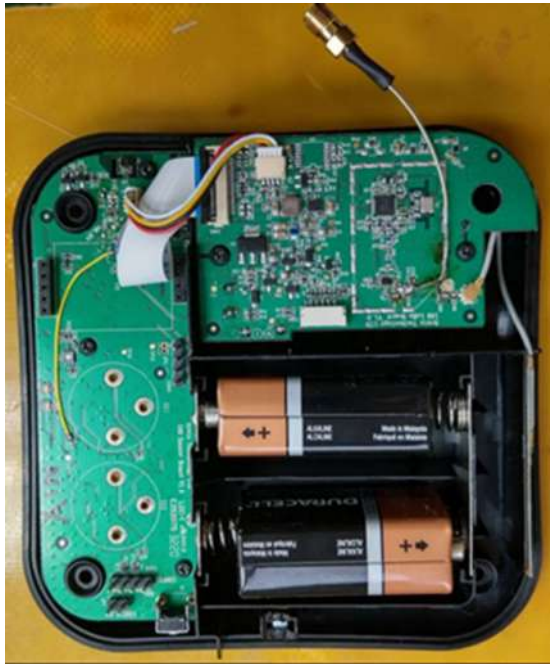
嘉康LoRA天線量測

PCB Antenna for US LoRa Impedance Matching
(YP-A200-JK-015)
Black Housing



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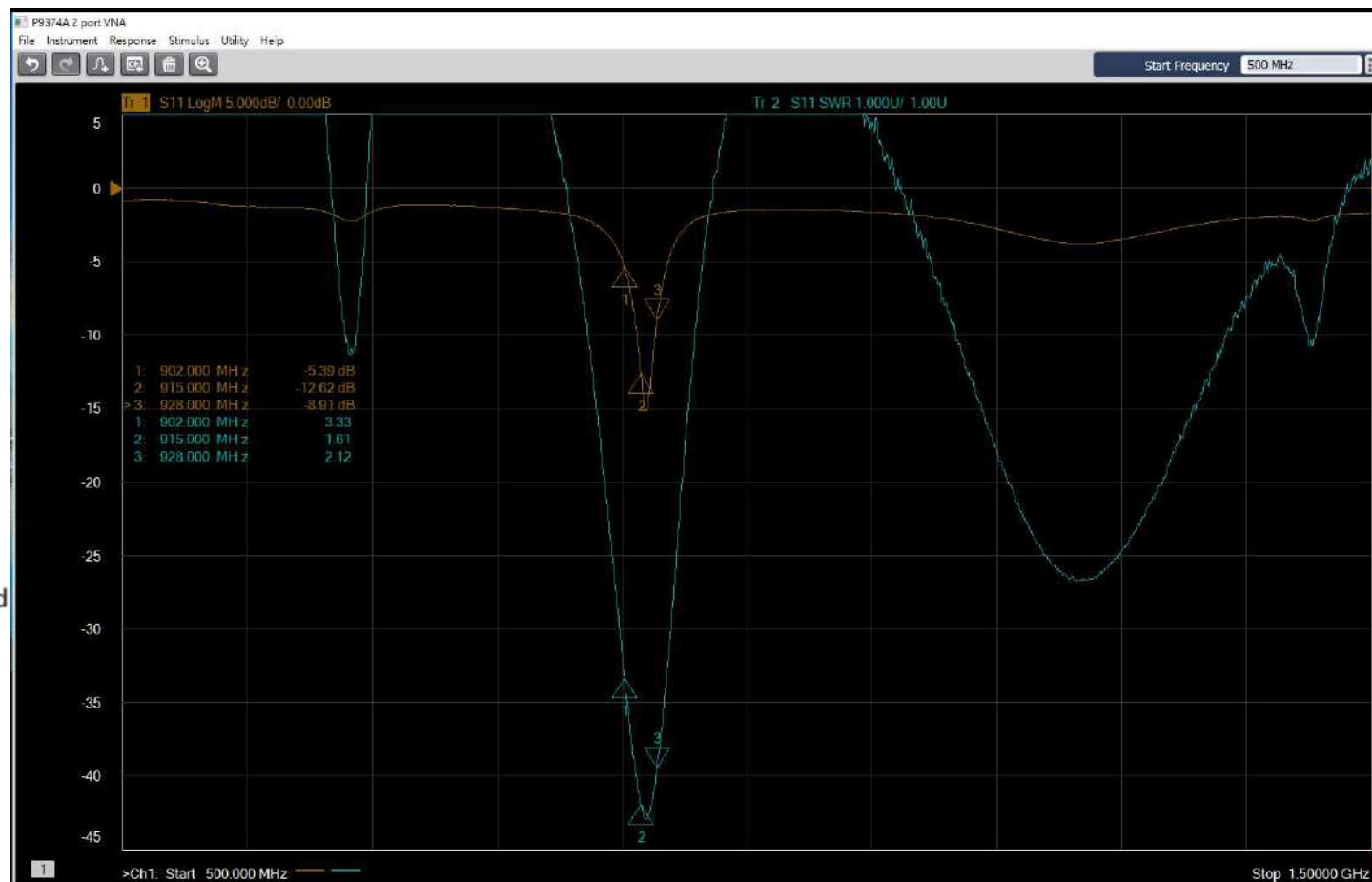
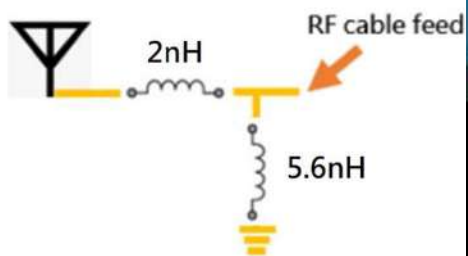
Environment



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S11

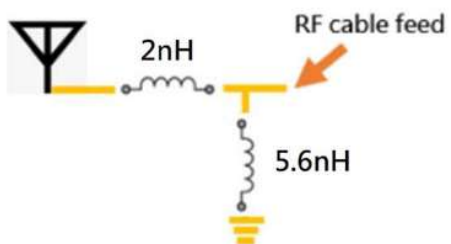
Frequency (MHz)	Return Loss (dB)
902	-5.39
915	-12.62
928	-8.91



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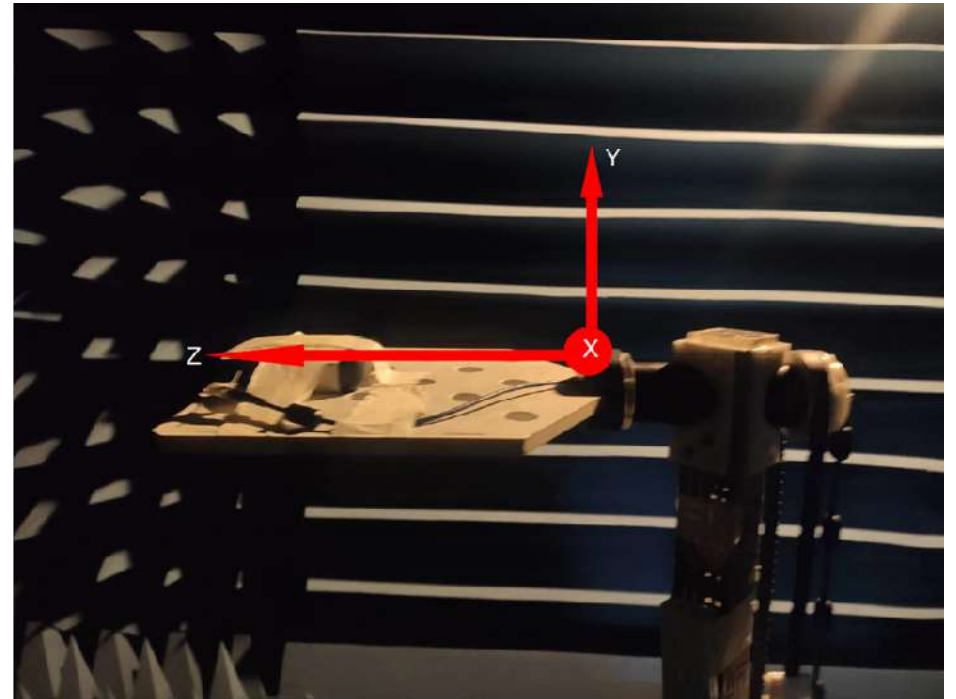
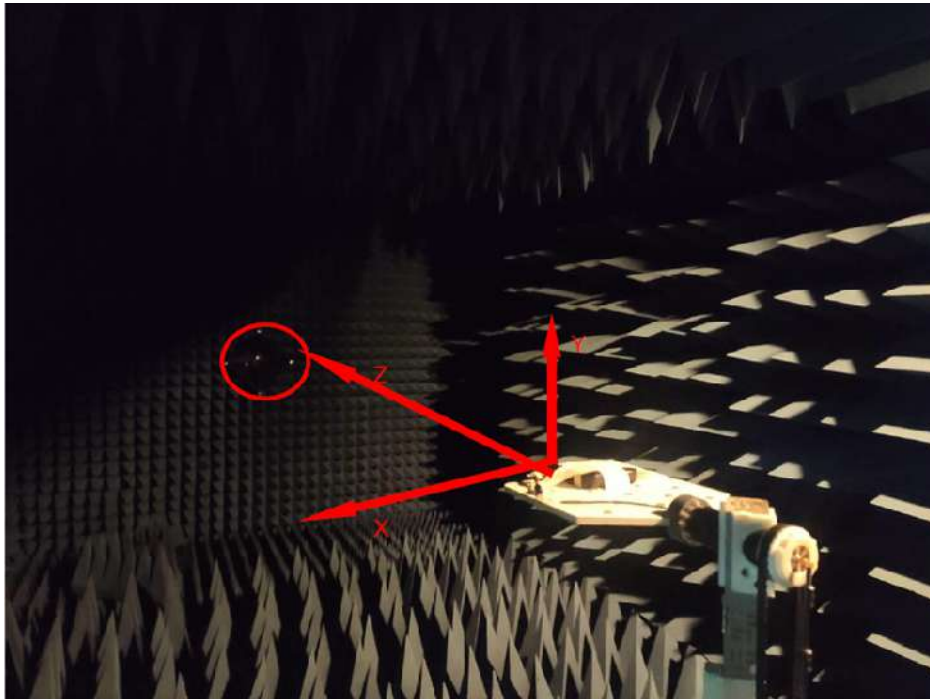
VSWR

Frequency (MHz)	VSWR
902	3.33
915	1.61
928	2.12



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Chamber Measurement Photo



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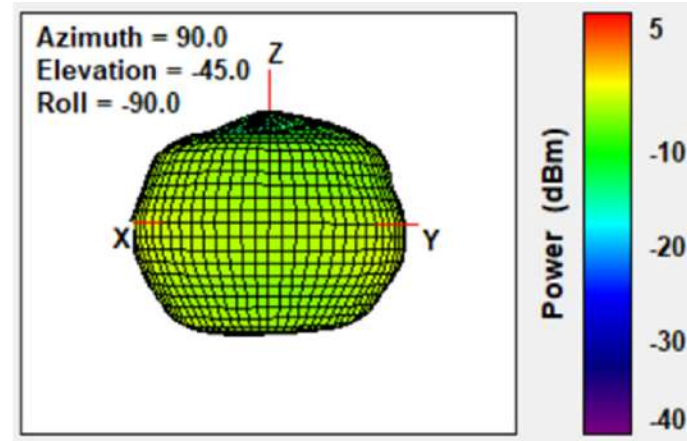
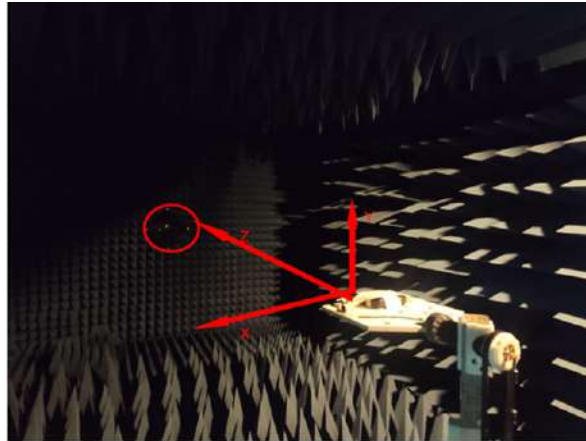
3D Gain & Efficiency

Frequency (MHz)	Peak Gain (dBi)	3D Gain (dBi)	3D Radiation Efficiency (%)
902	-2.41	-5.62	27
915	-2.32	-5.44	29
928	-2.81	-5.90	26

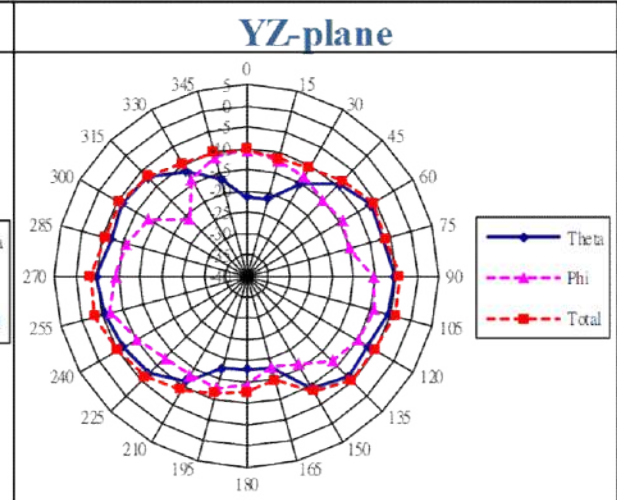
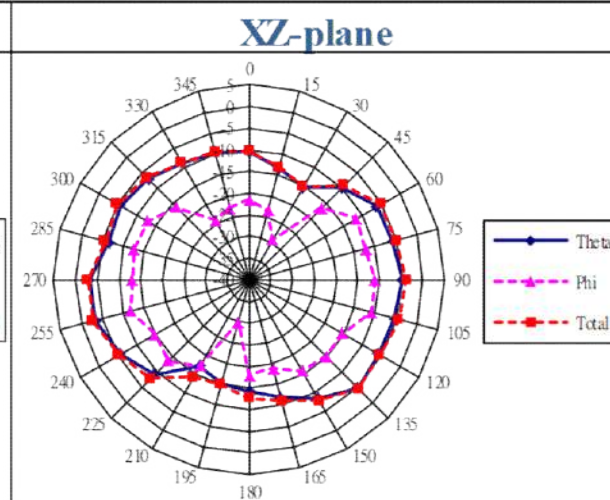
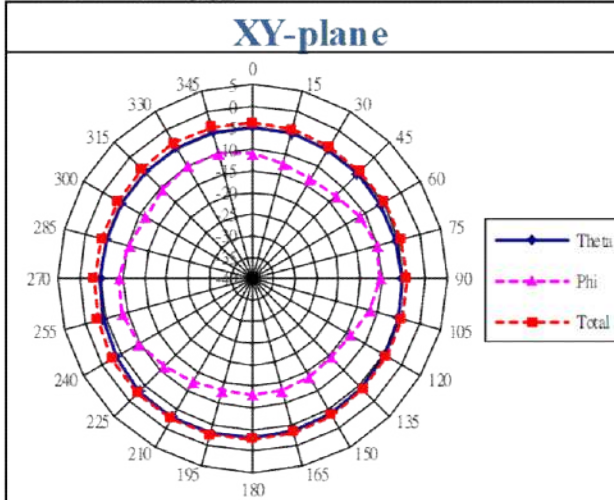


2D 902MHz Radiation Pattern & Gain

902MHz



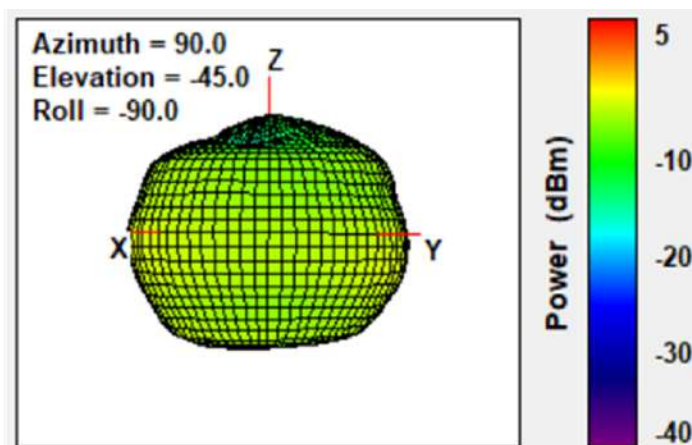
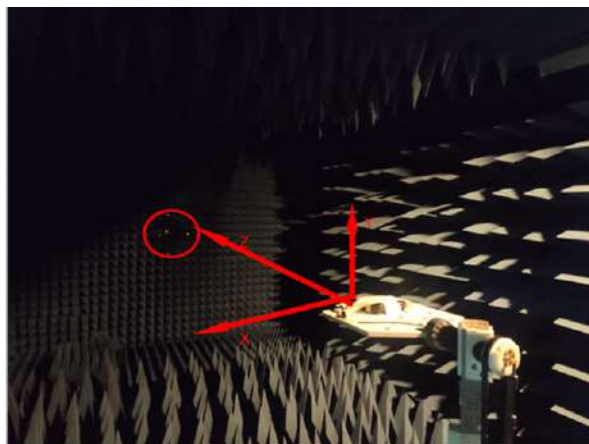
Frequency: 902 MHz



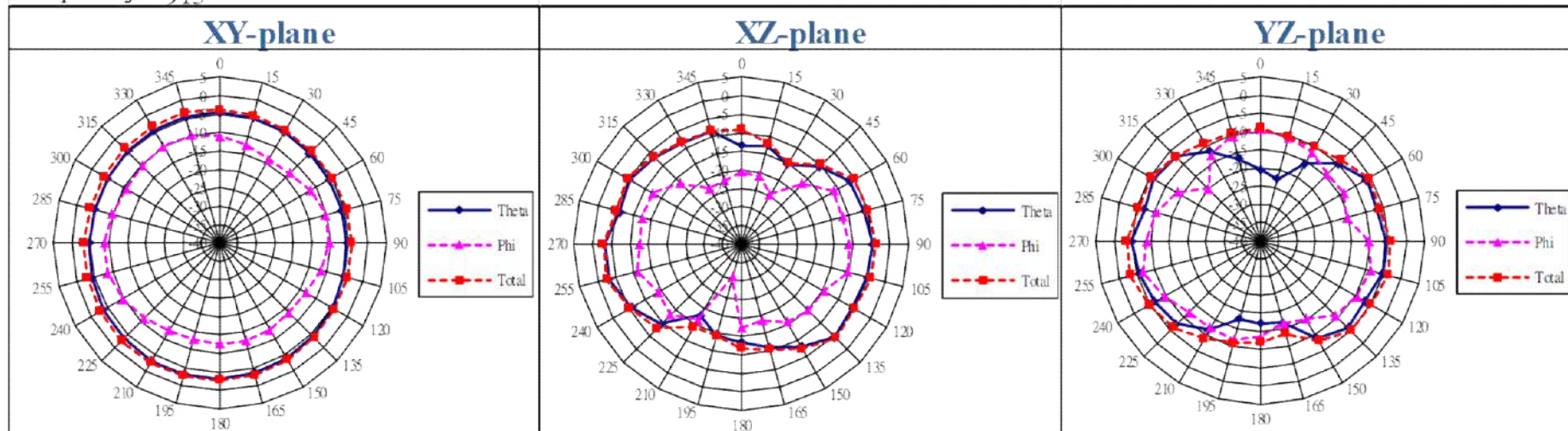
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2D 915MHz Radiation Pattern & Gain

915MHz



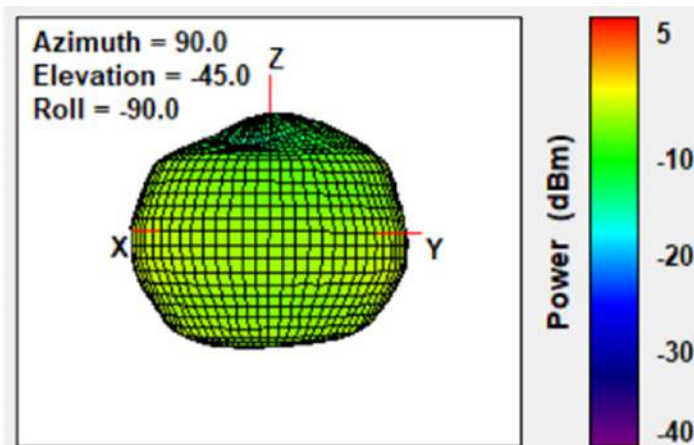
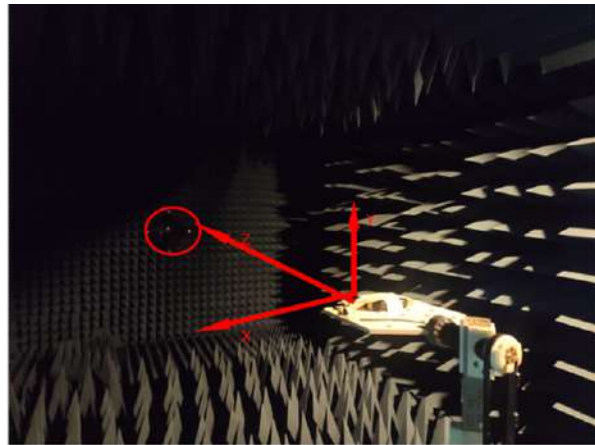
Frequency: 915 MHz



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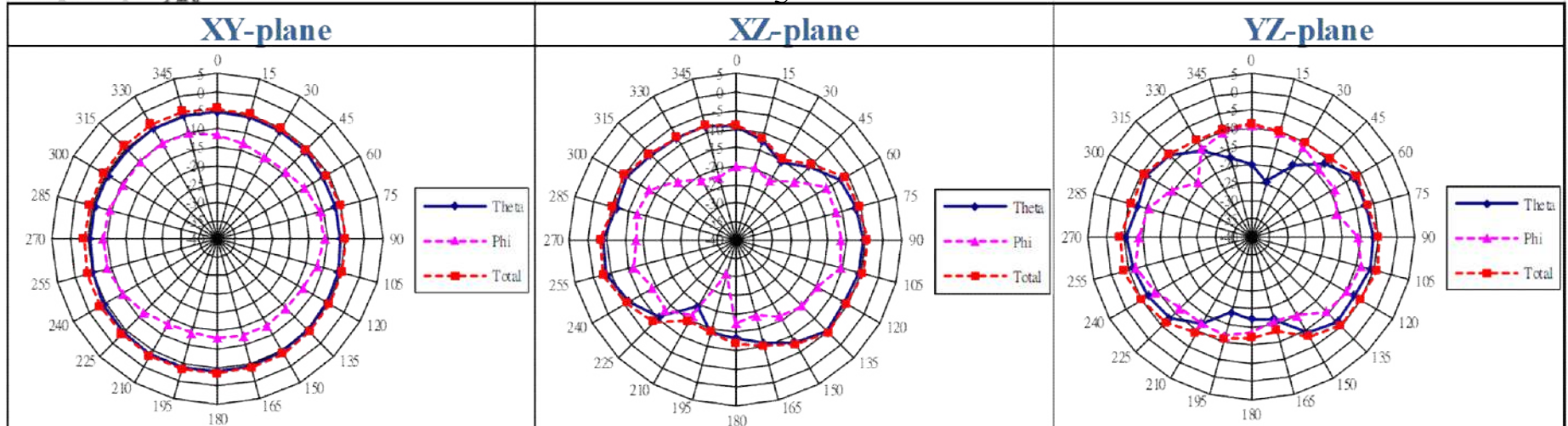
2D 928MHz Radiation Pattern & Gain

928MHz



Frequency: 928 MHz

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