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S5023-OTA测试报告

Manufacturer: Walsin Technology Corporation

Address: 24F. No.1, Songzhi Rd., Xinyi Dist, Taipei City 110, Taiwan

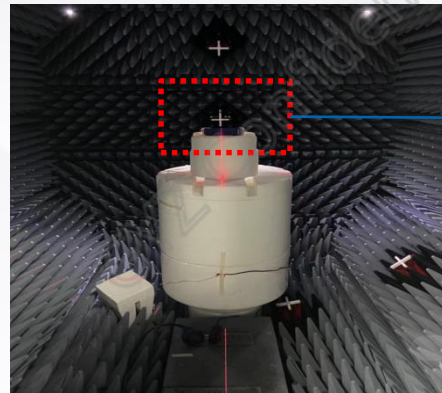
时间: 2022/8/15



整机测试与环境

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被测物



测试仪器说明：GTS2800暗室+CMW500综测仪



无源S11

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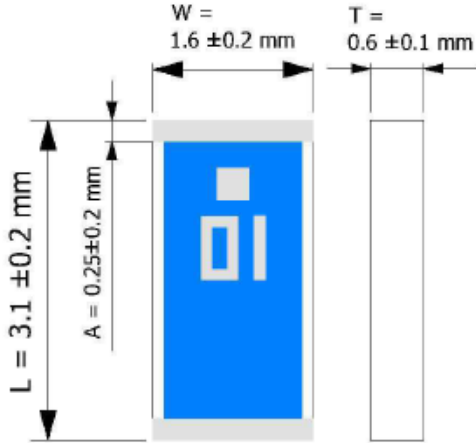




DIMENSIONS

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Figure	Symbol	Dimension (mm)
 W = 1.6 ± 0.2 mm T = 0.6 ± 0.1 mm L = 3.1 ± 0.2 mm A = 0.25 ± 0.2 mm	L	3.10 ± 0.20
	W	1.60 ± 0.20
	T	0.60 ± 0.10
	A	0.25 ± 0.20

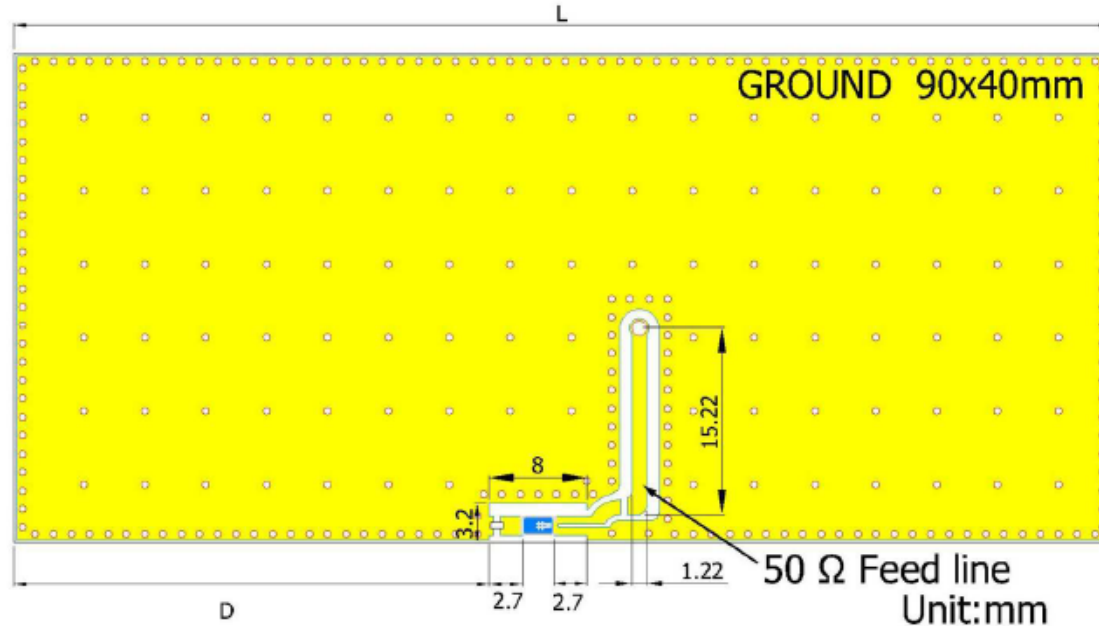


SOLDER LAND PATTERN DESIGN

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Figure (Empty Space 8.0 mm x 3.0 mm)



The limited size for ECA3216 is $L > 30\text{mm}$ and $D > 6\text{mm}$



无源效率和增益

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Band	Effi (%)	Gain (db)
2.4GHZ	40.41	1.55
2.41GHZ	40.81	1.67
2.42GZH	40.62	1.69
2.43GZHZ	40.51	1.87
2.44GHZ	42.47	1.98
2.45GHZ	41.34	1.89
2.46GHZ	40.24	1.76
2.47GHZ	40.61	1.75
2.48GHZ	40.23	1.67
2.49GHZ	40.19	1.63
2.5GHZ	40.07	1.59



有源OTA

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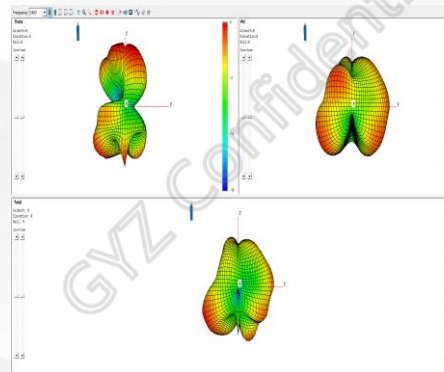
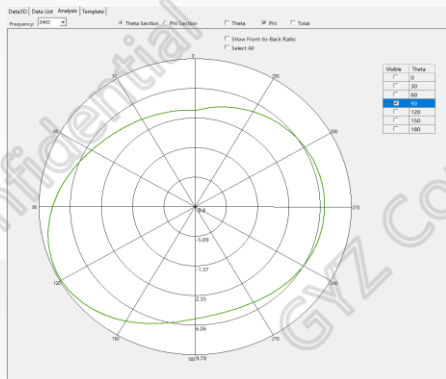
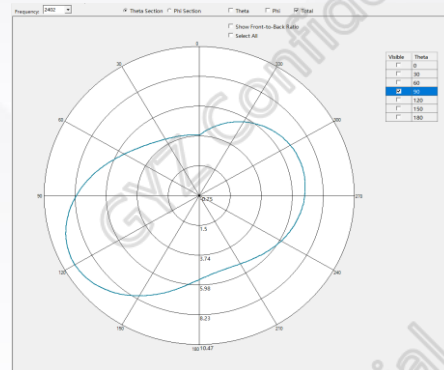
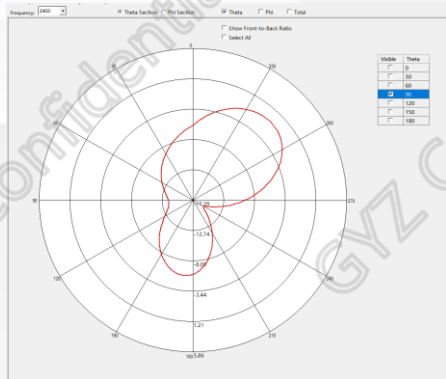
1号机器		TRP	TIS
	0	5.75	-91.1
	39	6.2	-90.69
	78	6.76	-90.41
2号机器		TRP	TIS
	0	6.04	-91.3
	39	6.09	-90.56
	78	6.49	-89.81



TX (CHo) -2D&3D

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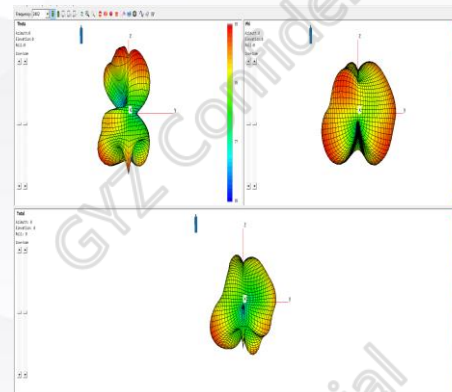
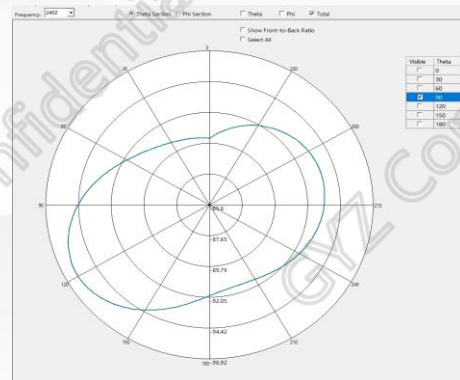
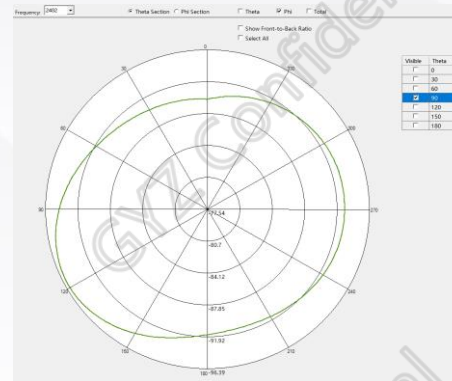
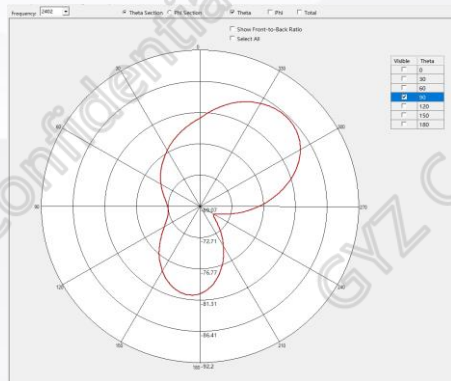




RX (CH₀) -2D&3D

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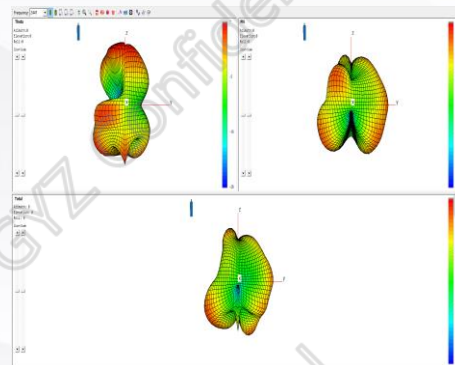
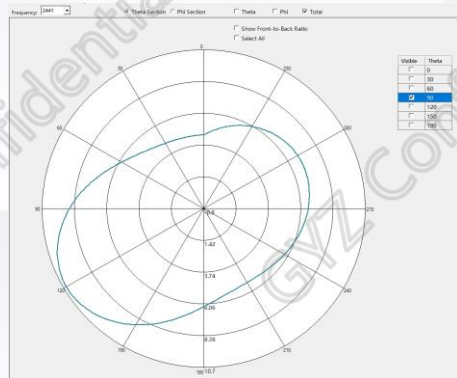
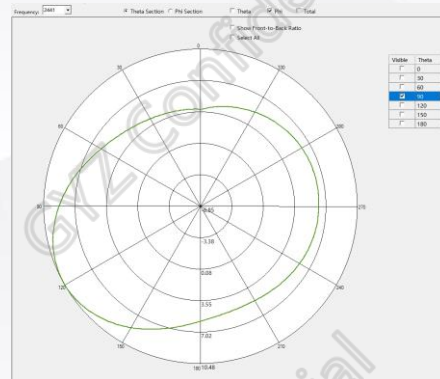
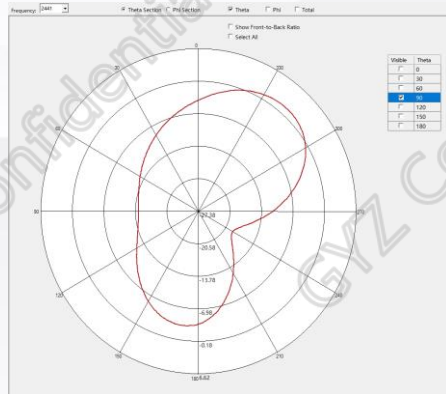




TX (CH39) -2D&3D

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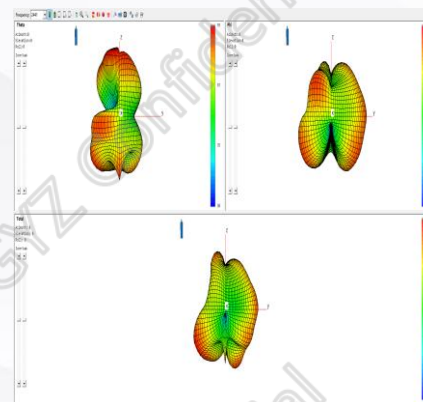
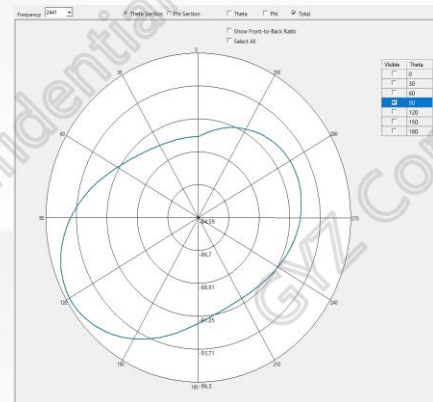
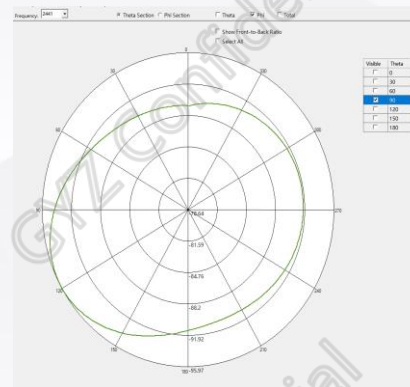
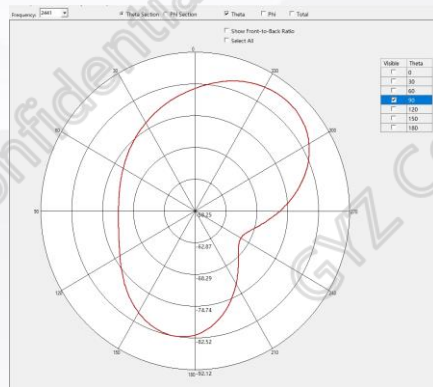




RX (CH39) -2D&3D

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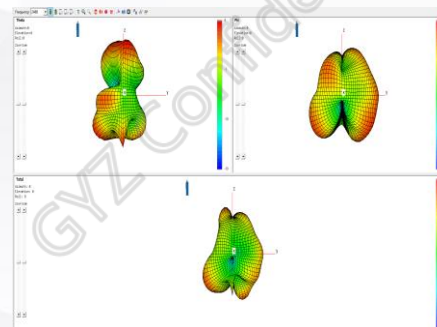
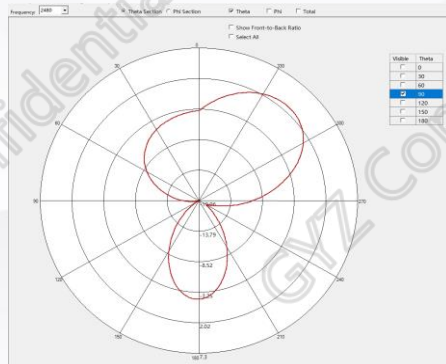
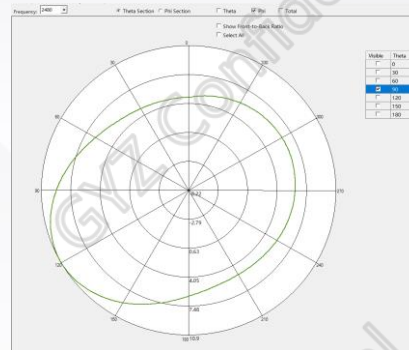
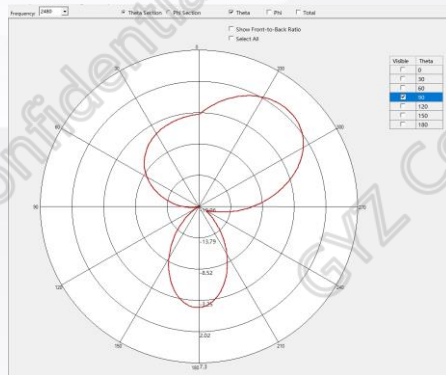




TX (CH78) -2D&3D

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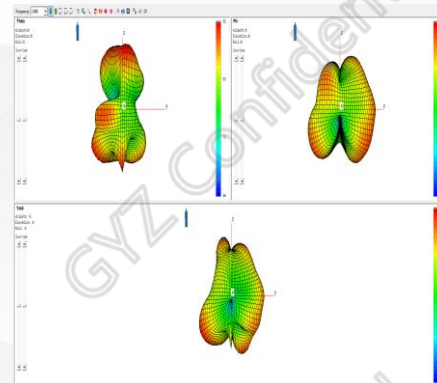
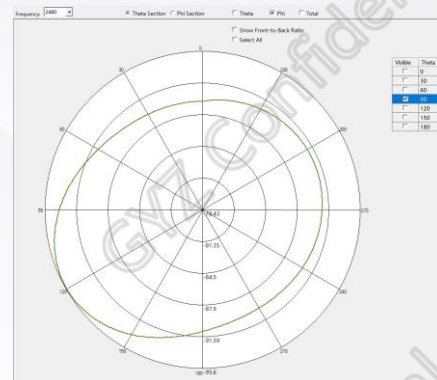
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THANKS!