

Brussels Antenna Report

MERRY Sounds Excellent

Presented by : Merry Team



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Test Equipment

Passive	
Antenna Type:	PIFA
Antenna Gain	Left earbud: the maximum gain is -0.29dBi . Right earbud: the maximum gain is -1.65dBi
Test Equipment	E5071C ENA Vector Network Analyzer – Keysight / Calibration Date: 2023/02/10 Calibration due date: 2025/02/04
Test chamber	ETS-lindgren_AMS-8500 Antenna Measurement System
Testers	Amo Yang 楊詔閔 (Test date:20240111)
Test Software	ETS-Lindgren EMQuest



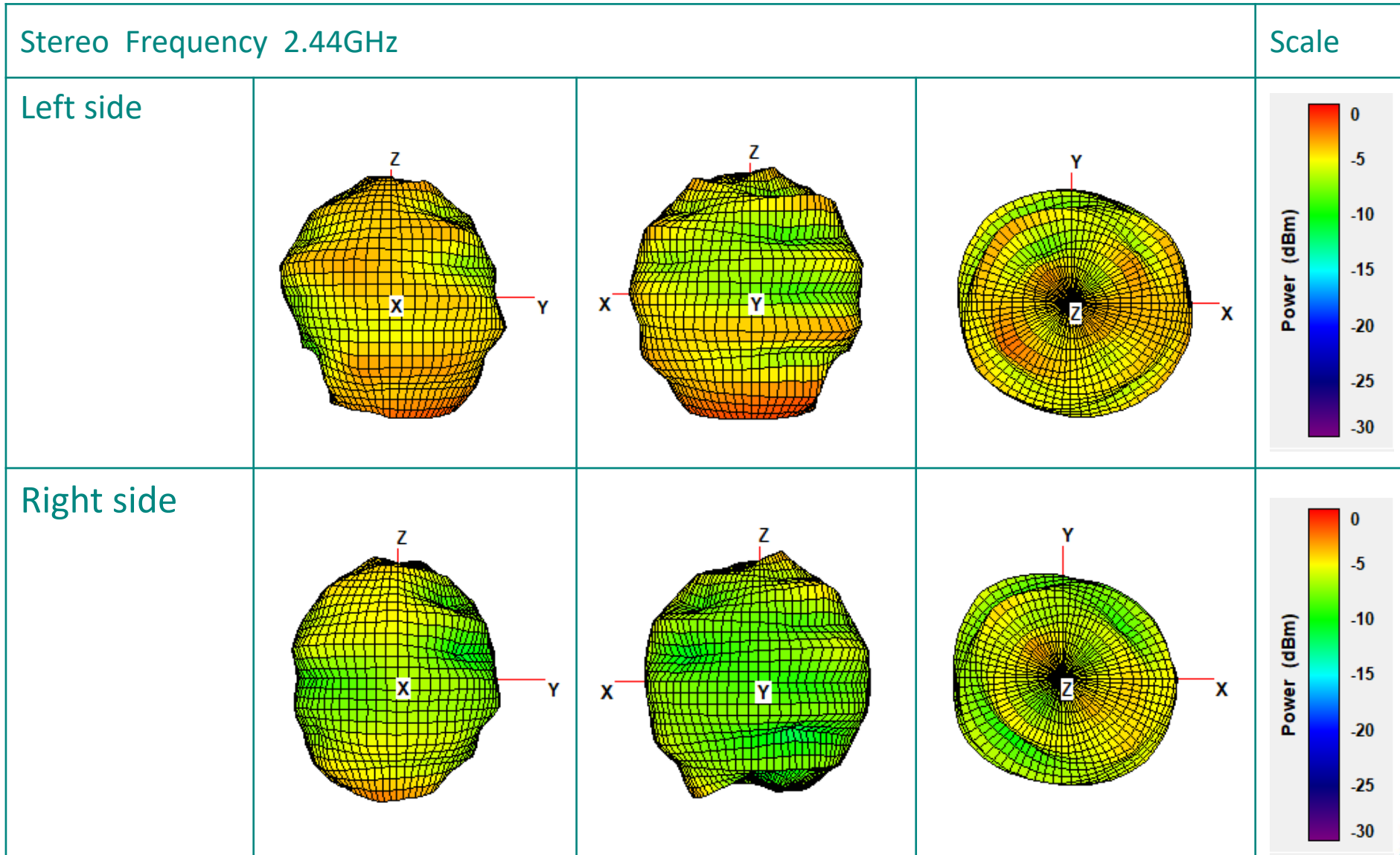
Antenna Efficiency and Peak gain

		unit	Frequency (MHz)									
			2400	2410	2420	2430	2440	2450	2460	2470	2480	AVG
Left side	Efficiency	(dB)	-4.88	-4.85	-4.80	-4.76	-4.64	-4.55	-4.34	-4.19	-3.98	-4.55
		(%)	32.50	32.70	33.13	33.42	34.34	35.04	36.83	38.12	40.04	35.13
	Peak gain	(dBi)	-0.95	-1.03	-1.12	-1.27	-1.22	-1.11	-0.84	-0.60	-0.29	-0.94
Right side	Efficiency	(dB)	-6.07	-6.15	-6.19	-6.22	-6.20	-6.19	-6.12	-6.10	-6.06	-6.15
		(%)	24.72	24.27	24.03	23.88	23.97	24.02	24.42	24.57	24.78	24.19
	Peak gain	(dBi)	-1.97	-1.95	-1.87	-1.92	-1.80	-1.77	-1.76	-1.74	-1.65	-1.82

- Left earbud: the maximum gain is -0.29dBi.
- Right earbud: the maximum gain is -1.65dBi.



Radiation pattern





Measurements description

