

800MHz $\sim$ 8GHz MEFF

TEST REPORT

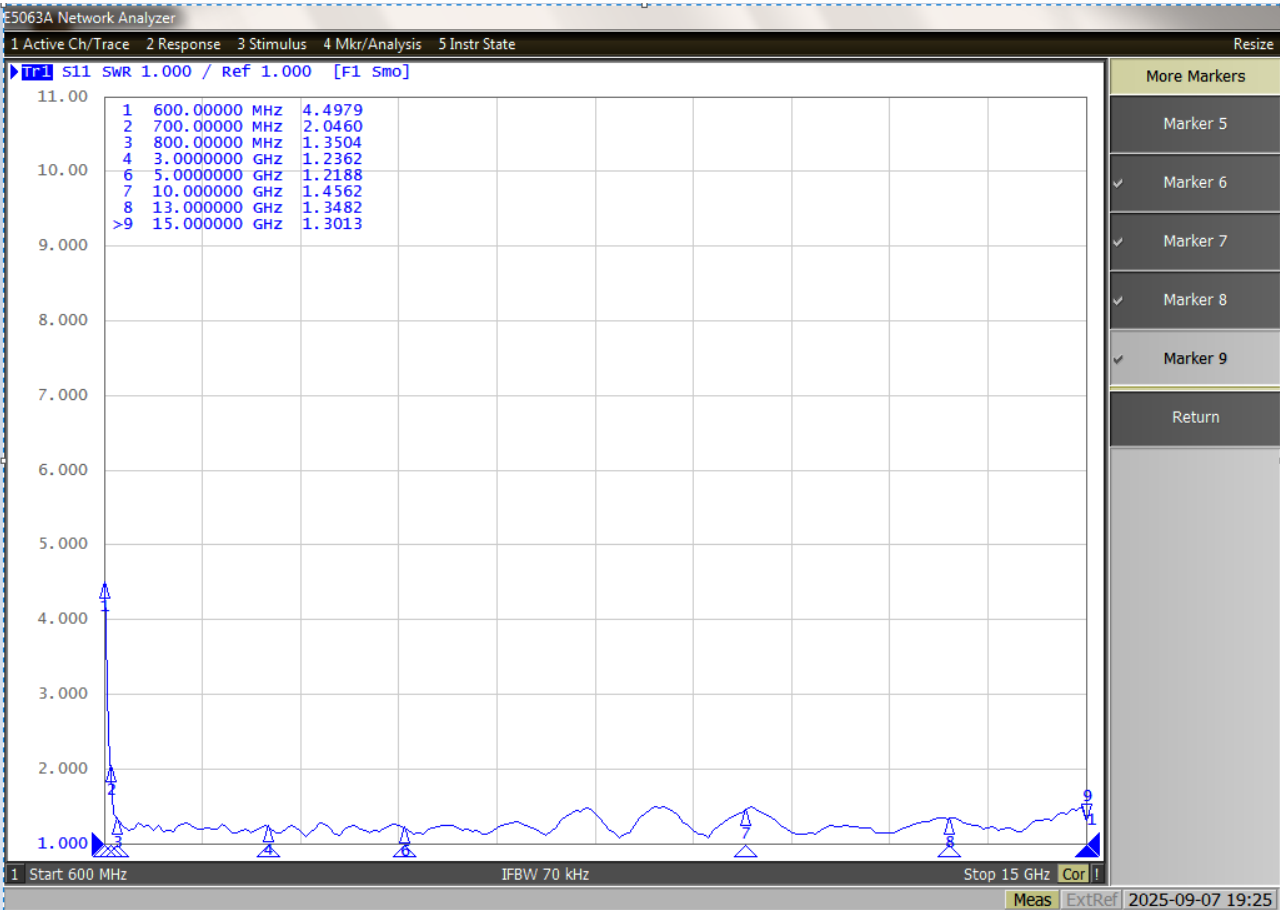
1 Test data

NO		Specification		Test		result
1	Frequency	800MHz~8GHz		800MHz~8GHz		pass
2	VSWR	≤ 2 (TYP.)		1.1 Sheet		pass
3	Gain	$\geq 5\text{dBi}$ (TYP.)		78.57%, $\geq 5\text{dBi}$ (TYP.) 1.3 sheet		pass
4	wave width	H $\geq 70^\circ$ (TYP.) E $\geq 40^\circ$ (TYP.)		Sheet 1.4		pass
Tester		DLY	inspector	CR	Date	2025.09.09

1.1 VSWR TEST

vswr≤2（TYP.）					
NO		Fre：MHz		VSWR	
1		800		1.34	
2		1248		1.25	
3		1608		1.18	
4		1968		1.20	
5		2328		1.27	
6		2688		1.21	
7		3048		1.21	
8		3408		1.22	
9		3768		1.29	
10		4128		1.21	
11		4488		1.17	
12		4848		1.28	
13		5208		1.16	
14		5568		1.26	
15		5928		1.20	
16		6288		1.19	
17		6648		1.30	
18		7008		1.15	
19		7368		1.37	
20		7728		1.47	
21		8000		1.18	
PASS				100%	
Tester	DLY	inspector	CR	Date	2025. 09. 09

1.2 Vswr Test data



1.3 Gain test

Gain≥5dBi（TYP.）						
NO		Fre:GHz			GAIN	
4		0.8			3.15	
6		1			4.84	
9		2.5			4.92	
10		3			5.32	
11		3.5			5.18	
12		4			5.79	
13		4.5			6.30	
14		5			6.42	
15		5.5			6.49	
16		6			6.49	
17		6.5			6.80	
18		7			7.16	
19		7.5			7.81	
20		8			6.53	
pass					78.57%	
Result: The proportion of test values for line gain being ≥ 5 dBi is 78.57%, which is higher than the typical value of 68% and meets the requirements of the indicators.						
Tester	DLY	inspector	CR	Date	2025.09.09	

1.4 Wave Width Test Record

H $\geq$ 70° （TYP. ） E $\geq$ 40° （TYP. ）							
NO		Fre:GHz		H		E	
1		0.8		66.20		106.25	
2		0.9		68.05		113.40	
3		1		73.18		120.12	
4		1.5		81.37		122.94	
5		2		90.55		129.67	
6		2.5		81.37		111.23	
7		3		77.57		98.21	
8		3.5		82.23		97.92	
9		4		79.05		88.03	
10		4.5		71.16		74.12	
11		5		70.88		72.10	
12		5.5		67.83		70.03	
13		6		64.37		69.23	
14		6.5		65.92		62.84	
15		7		49.45		55.59	
16		7.5		50.08		58.59	
17		8		56.64		55.86	
PASS				100.00%		70.59%	
Result: $\geq$ typical value by 68% pass							
Tester		DLY	inspector	CR	Date	2025.09.09	

1.5 MAG Pattern

