웅진_STM8800_ PASSIVE TEST DATA
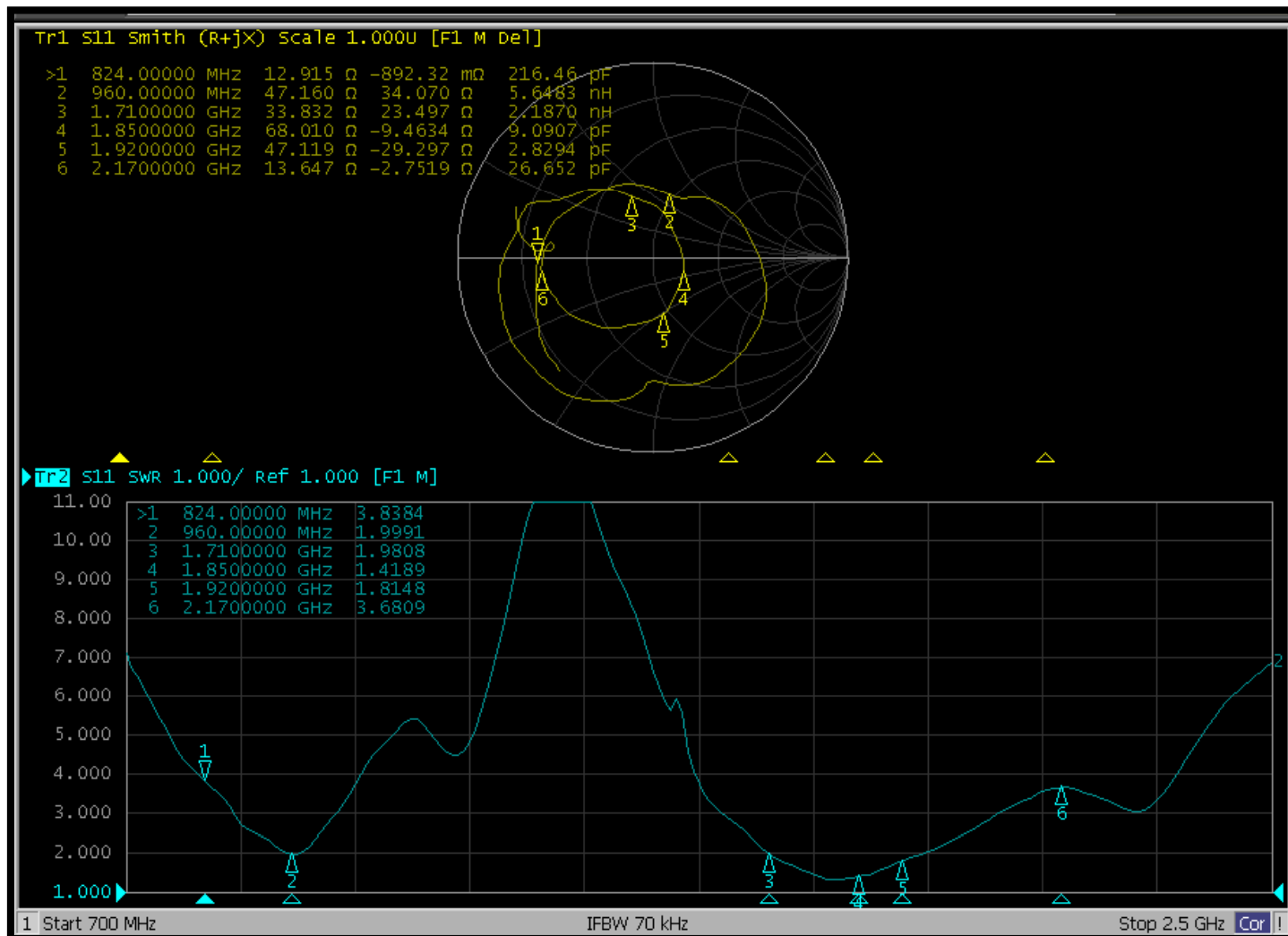# ANT : HWJS8800-04050607

- **Date :2010年 11月22日**
- 업 체 : 웅진
- 모델명 : **STM8800**
- 작성자 : 이 진 우

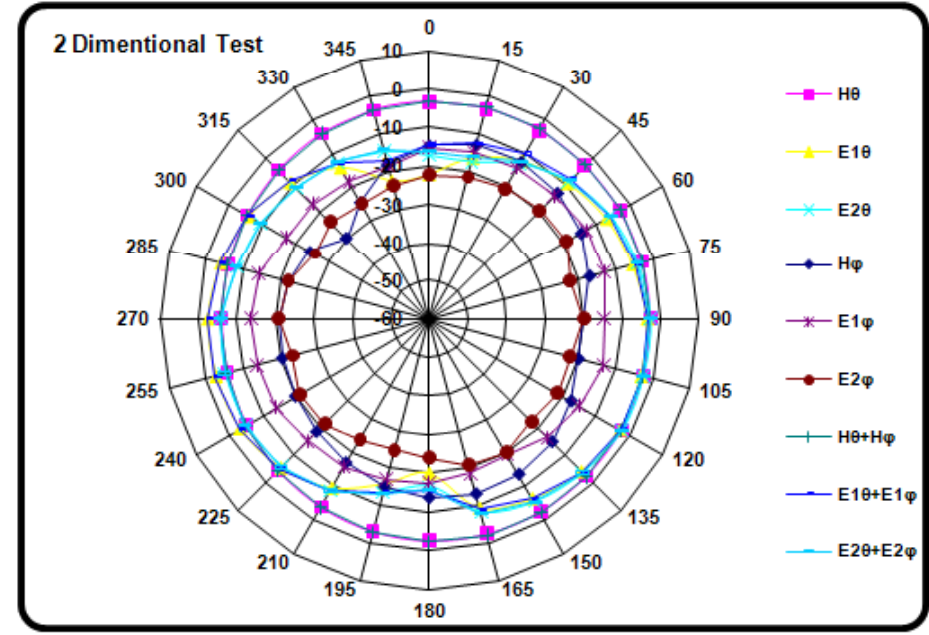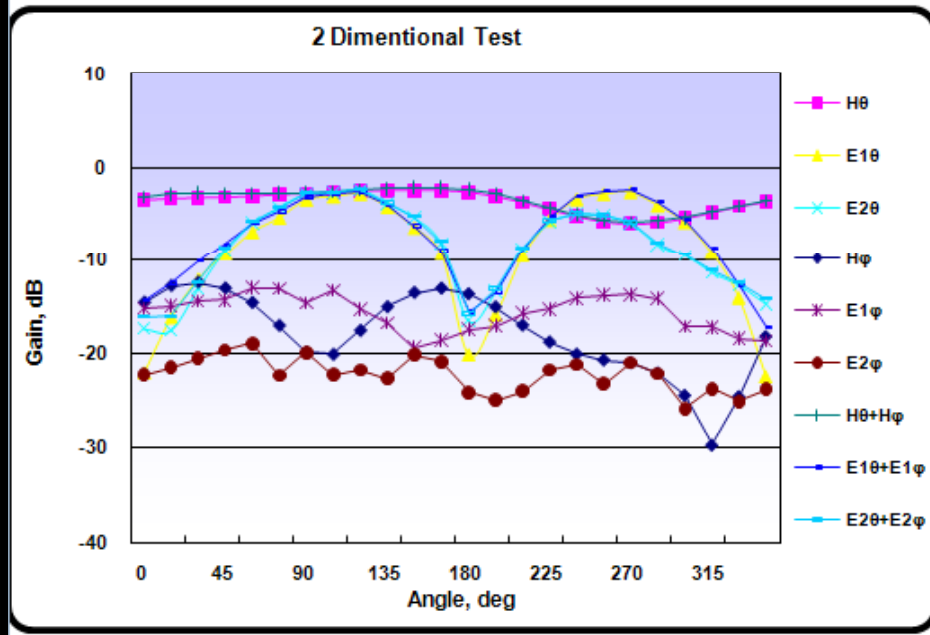# STM8800 TEST DATA

- **VNA DATA**

STM8800 TEST DATA
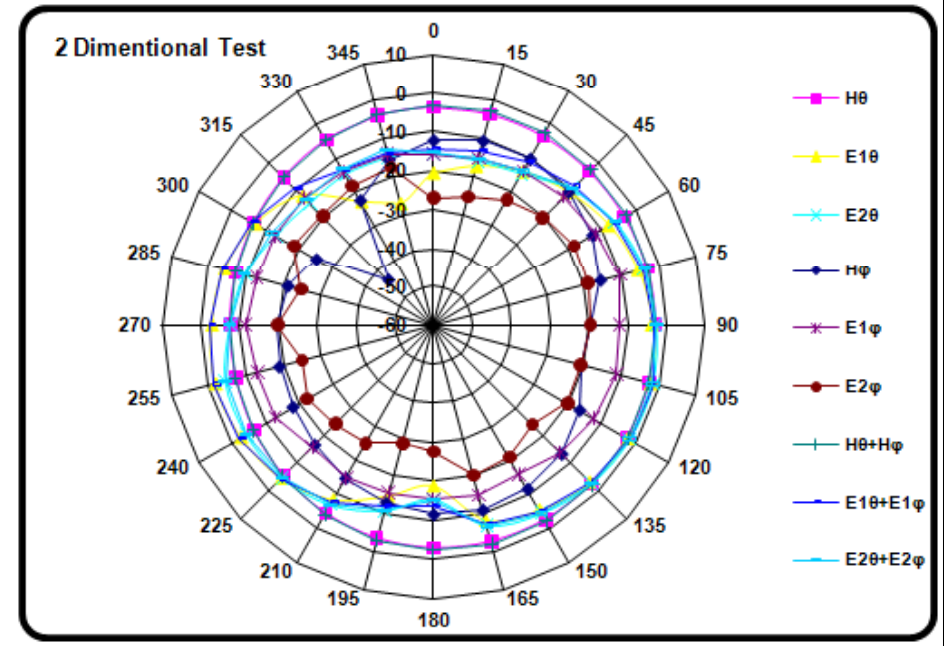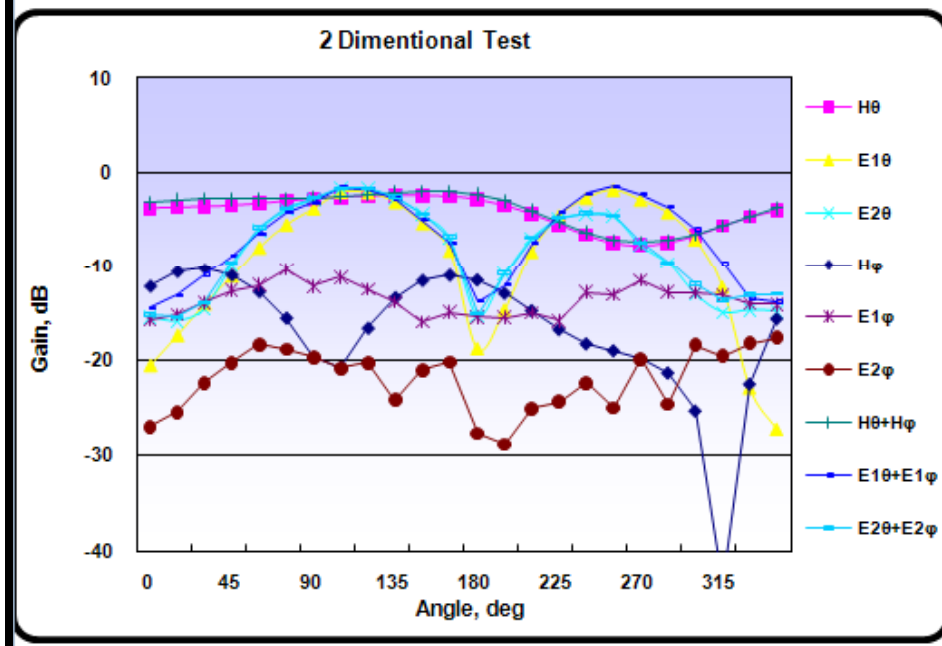
- **824MHz (GSM 850) E1, E2, H-plane DATA**

									Angle (deg)																AVG
	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	
Hθ	-3.4	-3.3	-3.2	-3.1	-3.0	-2.9	-2.7	-2.6	-2.5	-2.4	-2.4	-2.4	-2.6	-3.1	-3.7	-4.4	-5.1	-5.7	-5.9	-5.8	-5.3	-4.7	-4.1	-3.6	-3.53
E1θ	-22.1	-16.2	-12.1	-9.4	-6.9	-5.4	-3.4	-3.1	-2.8	-4.2	-6.4	-9.3	-20.1	-15.9	-9.6	-5.6	-3.4	-2.8	-2.6	-4.1	-5.8	-9.2	-14.1	-22.5	-6.28
E2θ	-17.3	-17.5	-13.1	-9.0	-5.9	-4.2	-2.7	-2.7	-2.3	-3.8	-5.3	-8.1	-16.5	-13.4	-8.7	-5.8	-5.0	-5.1	-5.9	-8.2	-9.5	-11.3	-12.7	-14.7	-6.68
Hφ	-14.6	-12.8	-12.5	-13.1	-14.6	-17.0	-19.9	-20.1	-17.6	-15.1	-13.6	-13.1	-13.7	-15.1	-17.0	-18.8	-20.1	-20.7	-21.0	-22.0	-24.4	-29.7	-24.5	-18.2	-16.24
E1φ	-15.2	-15.0	-14.4	-14.3	-13.0	-13.1	-14.6	-13.3	-15.3	-16.7	-19.3	-18.6	-17.5	-17.0	-15.7	-15.3	-14.1	-13.8	-13.7	-14.2	-17.1	-17.2	-18.4	-18.7	-15.25
E2φ	-22.2	-21.5	-20.5	-19.6	-18.9	-22.3	-19.9	-22.2	-21.7	-22.6	-20.1	-20.8	-24.1	-24.9	-23.9	-21.7	-21.1	-23.2	-21.0	-22.1	-25.8	-23.7	-25.0	-23.7	-21.83
Hθ+Hφ	-3.1	-2.8	-2.7	-2.7	-2.7	-2.7	-2.7	-2.5	-2.4	-2.2	-2.1	-2.1	-2.3	-2.8	-3.5	-4.3	-5.0	-5.6	-5.8	-5.7	-5.3	-4.7	-4.1	-3.5	-3.30
E1θ+E1φ	-14.4	-12.5	-10.1	-8.2	-5.9	-4.7	-3.1	-2.7	-2.6	-4.0	-6.2	-8.9	-15.6	-13.4	-8.6	-5.2	-3.0	-2.5	-2.3	-3.7	-5.5	-8.6	-12.7	-17.1	-5.76
E2θ+E2φ	-16.1	-16.0	-12.4	-8.6	-5.7	-4.2	-2.7	-2.6	-2.3	-3.7	-5.2	-7.9	-15.8	-13.1	-8.5	-5.6	-4.9	-5.0	-5.8	-8.0	-9.4	-11.1	-12.5	-14.2	-6.55

2 Dimentional Test

2 Dimentional Test

STM8800 TEST DATA

● **880MHz (GSM 900) E1, E2, H-plane DATA**

	Angle (deg)																								AVG
	0	**15**	**30**	**45**	**60**	**75**	**90**	**105**	**120**	**135**	**150**	**165**	**180**	**195**	**210**	**225**	**240**	**255**	**270**	**285**	**300**	**315**	**330**	**345**	
Hθ	-3.8	-3.7	-3.6	-3.5	-3.3	-3.0	-2.8	-2.6	-2.5	-2.4	-2.4	-2.5	-2.8	-3.5	-4.4	-5.5	-6.6	-7.4	-7.7	-7.4	-6.6	-5.6	-4.7	-4.0	-3.96
E1θ	-20.5	-17.3	-14.0	-11.1	-7.9	-5.4	-3.8	-2.0	-2.1	-3.1	-5.3	-8.2	-18.7	-14.7	-8.3	-4.5	-2.6	-1.8	-2.8	-4.2	-7.0	-12.3	-22.9	-27.2	-5.93
E2θ	-15.5	-15.9	-14.6	-9.9	-6.1	-3.9	-2.8	-1.7	-1.7	-2.6	-4.4	-6.9	-15.4	-10.9	-6.9	-4.9	-4.3	-4.6	-7.7	-9.6	-13.0	-15.0	-14.7	-14.8	-6.30
Hφ	-12.2	-10.6	-10.3	-11.0	-12.8	-15.6	-19.6	-20.7	-16.6	-13.4	-11.6	-11.0	-11.5	-12.9	-14.8	-16.7	-18.2	-19.0	-19.9	-21.3	-25.2	-43.6	-22.5	-15.6	-14.30
E1φ	-15.7	-15.2	-13.9	-12.7	-12.0	-10.4	-12.2	-11.2	-12.5	-13.8	-16.0	-14.9	-15.5	-15.5	-15.0	-15.8	-12.8	-13.1	-11.5	-12.9	-12.9	-13.1	-14.0	-14.1	-13.33
E2φ	-26.9	-25.4	-22.3	-20.2	-18.3	-18.8	-19.6	-20.8	-20.3	-24.1	-21.0	-20.2	-27.7	-28.8	-25.0	-24.3	-22.3	-24.9	-19.9	-24.6	-18.4	-19.5	-18.2	-17.6	-21.04
Hθ+Hφ	-3.2	-2.9	-2.8	-2.8	-2.8	-2.8	-2.7	-2.5	-2.3	-2.1	-1.9	-2.0	-2.3	-3.0	-4.0	-5.2	-6.3	-7.1	-7.4	-7.2	-6.6	-5.6	-4.6	-3.7	-3.58
E1θ+E1φ	-14.5	-13.1	-11.0	-8.8	-6.5	-4.2	-3.2	-1.5	-1.7	-2.7	-5.0	-7.4	-13.8	-12.1	-7.4	-4.2	-2.3	-1.5	-2.3	-3.6	-6.0	-9.7	-13.5	-13.9	-5.21
E2θ+E2φ	-15.2	-15.4	-13.9	-9.5	-5.8	-3.7	-2.7	-1.6	-1.7	-2.6	-4.3	-6.7	-15.1	-10.8	-6.9	-4.8	-4.3	-4.5	-7.4	-9.5	-11.9	-13.7	-13.1	-13.0	-6.16

STM8800 TEST DATA

● **1805MHz (DCS) E1, E2, H-plane DATA**

	|0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	AVG
Hθ	-14.7	-13.6	-11.9	-10.7	-10.0	-9.3	-9.0	-9.1	-9.2	-9.1	-9.7	-11.7	-13.3	-12.1	-10.4	-9.0	-7.5	-6.5	-6.1	-6.3	-7.4	-9.2	-11.4	-13.5	-9.43
E1θ	-17.2	-16.9	-17.7	-15.7	-13.3	-13.7	-14.7	-13.0	-12.9	-7.8	-7.0	-10.5	-15.5	-17.4	-9.1	-7.9	-11.0	-11.2	-13.3	-13.3	-13.8	-21.0	-24.4	-18.8	-12.31
E2θ	-4.7	-4.3	-4.4	-5.5	-6.0	-6.0	-9.0	-4.7	-2.4	-6.8	-5.6	-14.1	-4.8	-5.1	-0.6	-6.6	-5.6	-4.1	-6.1	-7.7	-15.2	-14.8	-7.2	-5.4	-5.49
Hφ	-6.2	-4.7	-4.4	-5.0	-6.7	-10.3	-16.7	-15.0	-9.6	-6.8	-5.1	-4.0	-3.8	-5.6	-9.4	-15.3	-19.5	-17.1	-14.6	-12.2	-11.3	-12.8	-16.5	-11.1	-7.98
E1φ	-4.8	-5.2	-5.6	-7.0	-3.3	-2.8	-6.2	-7.9	-4.5	-5.9	-3.3	-11.1	-5.4	-9.9	-2.8	-3.1	-1.7	-3.6	-3.8	-1.6	-2.6	-4.3	-4.0	-4.1	-4.26
E2φ	-17.0	-16.4	-14.4	-16.5	-14.7	-15.2	-16.7	-20.1	-16.8	-14.5	-12.7	-19.4	-23.5	-22.1	-17.9	-15.0	-15.0	-14.4	-19.1	-21.9	-17.9	-18.3	-18.2		-16.44
Hθ+Hφ	-5.7	-4.2	-3.7	-3.9	-5.0	-6.8	-8.3	-8.1	-6.4	-4.8	-3.9	-3.3	-3.4	-4.7	-6.9	-8.1	-7.3	-6.1	-5.5	-5.3	-5.9	-7.6	-10.3	-9.1	-5.63
E1θ+E1φ	-4.5	-4.9	-5.3	-6.4	-2.9	-2.4	-5.7	-6.7	-3.9	-3.7	-1.8	-7.7	-5.0	-9.2	-1.9	-1.9	-1.2	-2.9	-3.4	-1.4	-2.3	-4.2	-4.0	-3.9	-3.63
E2θ+E2φ	-4.5	-4.0	-4.0	-5.1	-5.4	-5.5	-8.3	-4.6	-2.2	-6.2	-4.9	-13.0	-4.7	-5.0	-0.5	-6.0	-5.1	-3.7	-5.5	-7.4	-14.4	-13.0	-6.9	-5.1	-5.16
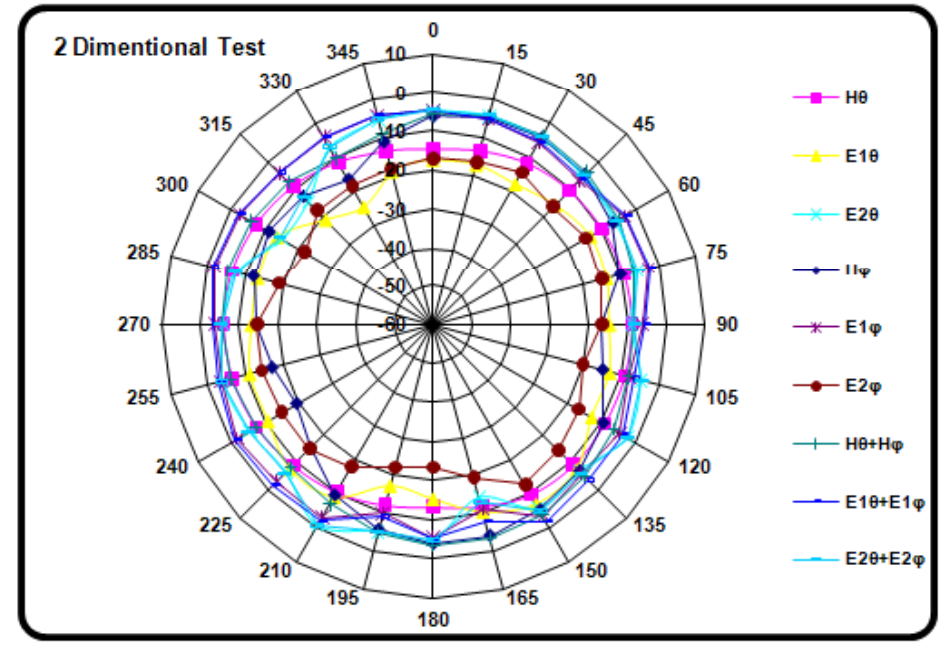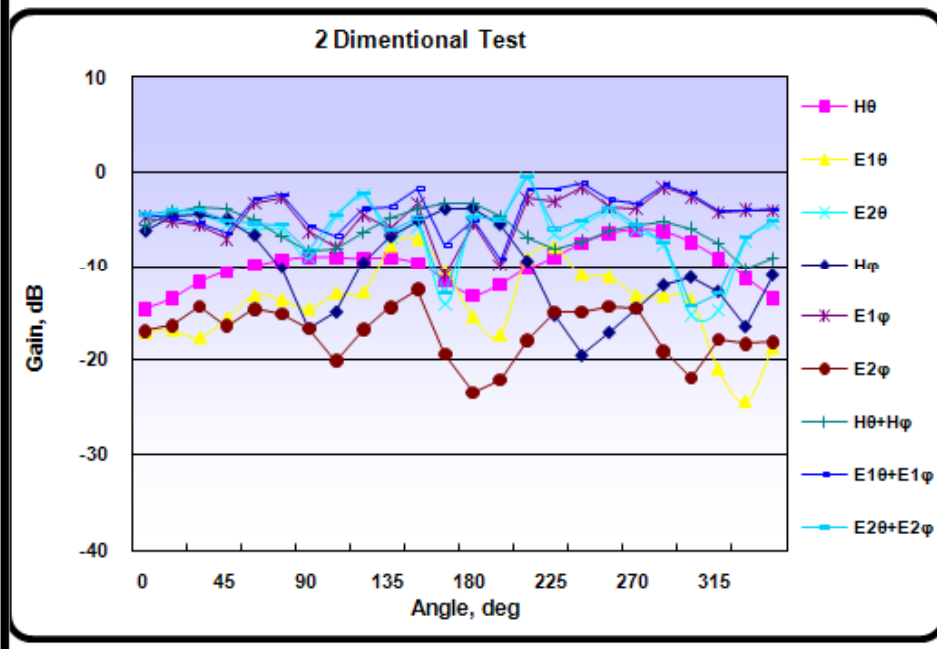
STM8800 TEST DATA

- ## 1930MHz (PCS) E1, E2, H-plane DATA

		0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	AVG
Hθ		-15.9	-18.5	-16.0	-13.0	-10.9	-9.8	-8.9	-9.0	-9.4	-9.8	-10.5	-12.4	-12.7	-10.6	-9.2	-7.9	-6.4	-5.6	-5.4	-5.7	-6.7	-8.7	-11.0	-13.4	-9.23
E1θ		-13.2	-16.4	-20.5	-19.2	-18.0	-15.0	-15.9	-12.6	-12.3	-9.5	-7.3	-11.8	-18.0	-16.8	-11.7	-11.4	-13.4	-11.7	-12.7	-12.7	-18.2	-17.2	-14.4	-12.8	-13.15
E2θ		-3.9	-4.8	-4.5	-5.7	-6.5	-6.9	-8.9	-6.6	-3.4	-7.3	-7.8	-14.5	-7.4	-6.4	-1.0	-8.1	-4.8	-4.7	-5.4	-7.1	-15.7	-10.6	-6.2	-4.2	-5.87
Hφ		-6.8	-4.8	-4.3	-5.2	-7.6	-12.3	-16.5	-10.8	-6.9	-5.1	-4.3	-4.2	-4.8	-7.6	-13.6	-26.8	-27.1	-23.4	-18.5	-14.4	-12.3	-13.9	-22.7	-13.2	-8.27
E1φ		-4.8	-5.6	-5.1	-5.1	-4.3	-3.3	-6.8	-11.3	-5.7	-7.0	-5.8	-14.1	-8.4	-11.5	-3.9	-3.1	-3.0	-6.1	-4.8	-2.4	-3.7	-4.0	-3.5	-4.5	-5.06
E2φ		-12.9	-12.6	-14.7	-13.6	-16.5	-16.0	-16.5	-19.1	-16.3	-13.4	-13.1	-21.5	-23.3	-19.9	-18.7	-13.6	-13.6	-14.8	-18.5	-22.6	-18.0	-15.1	-17.0	-15.5	-15.65
Hθ+Hφ		-6.3	-4.6	-4.0	-4.5	-5.9	-7.8	-8.2	-6.8	-5.0	-3.8	-3.4	-3.6	-4.1	-5.8	-7.9	-7.9	-6.4	-5.6	-5.2	-5.2	-5.7	-7.5	-10.7	-10.3	-5.71
E1θ+E1φ		-4.2	-5.3	-5.0	-4.9	-4.2	-3.0	-6.3	-8.9	-4.9	-5.1	-3.5	-9.8	-7.9	-10.4	-3.3	-2.5	-2.6	-5.1	-4.1	-2.0	-3.6	-3.8	-3.2	-3.9	-4.43
E2θ+E2φ		-3.4	-4.2	-4.1	-5.0	-6.1	-6.4	-8.2	-6.4	-3.2	-6.4	-6.7	-13.8	-7.3	-6.2	-0.9	-7.0	-4.3	-4.3	-5.2	-6.9	-13.7	-9.3	-5.9	-3.9	-5.43

2 Dimentional Test

2 Dimentional Test

STM8800 도면

TOP

62.79 ± 0.15
45.92 ± 0.15
φ1.80

SECTION A-A
8.00 ± 0.05

LEFT   FRONT   RIGHT
4.00 ± 0.05

BOTTOM   ISOMETRIC
φ2.10

NOTE.

1. 기타지시하지 않은 R= 0.15mm
2. 기타지시하지 않은 공차는 일반 공차를 따름.
3. 지시하지 않는 치수는 3D DATA에 준함.
4. 융착 높이 = CARRIER면에서 0.4mm 이하일 것.

MARK	REVISION	DATE	SIGN
△			
△			

NO.	PARTS NAME	PART NO.	MATERIAL	Q'TY	FINISH/COLOR	REMARKS
2	PATTERN	HWJS8800-01050607-Eu1	SUS			
1	CARRIER	HWJS8800-01050607-C1	PC	1		

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN CENTIMETERS TOLERANCES ARE

					APPROVALS	DATE
L	≦	4	± 0.1	DRAWN	PJY	101122
4	< L ≦	16	± 0.15	CHECKED		
16	< L ≦	63	± 0.2			
63	< L ≦	250	± 0.3			
250	< L		± 0.5	APPROVED		

CONTRACT NO.
MODEL   STM-8800
HCT

PART NO.   HWJS8800-01050607

SIZE A4   FSCM NO.   DWG NO.
SCALE   1 : 1   PART NAME

(주)에이치시티