

承認書

SPECIFICATION FOR APPROVAL

樣品承認 新品承認 規格/材質變更承認

客戶名稱(Customer):	東荃科技股份有限公司		
客戶料號(Customer P/N):			
產品料號(Product No.):	A8-A003-00185		
產品品名(Product Name) :	DIP 2400MHz~2500MHz/5150MHz~5850MHz 2.3dBi/4.5dBi OD10 L133.6 black SMA-RP PLUG		
文件編號(Approved No) :			
日期(Issued Date) :	2021 年 10 月 25日		
客戶承認簽章 Customer Approval Signature	In Charge	Checked	Approval

TSKY™ 天凱科技股份有限公司 **TSKY CO., LTD.**

新竹縣竹北市自強南路8號21F-2 Tel:03-5502626 Fax:03-5503131

21F-2, No.8, Ziqiang S.Rd., Jhubei City, Hsinchu County 30264, Taiwan (R.O.C.)

業務	核准	審核	主辦員

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Specification

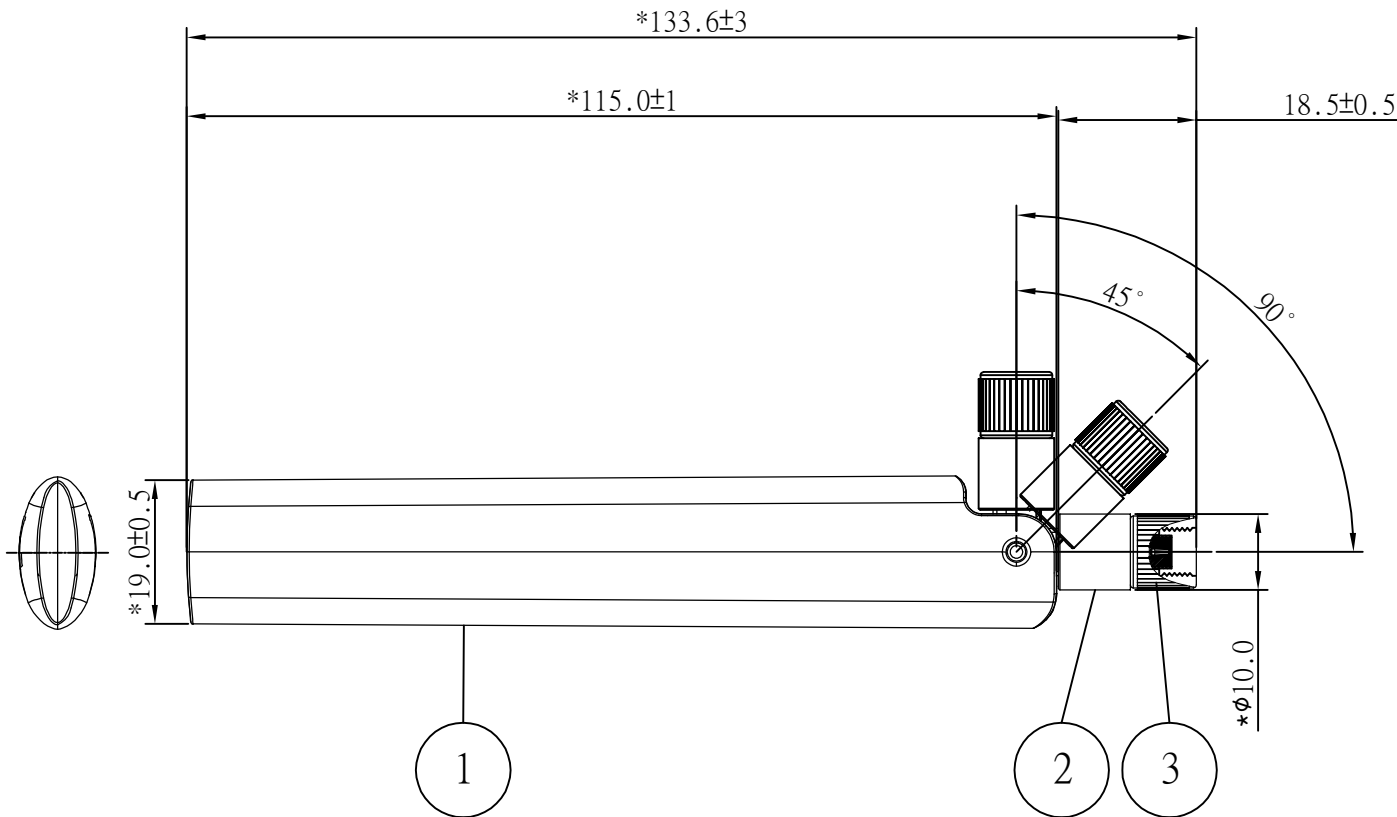
- **Electrical Properties :**

1. Frequency : 2400MHz~2500MHz/5150MHz~5850MHz
2. Impedance : 50Ω
3. S.W.R. : ≤ 2.0
4. Peak Gain : 2.3dBi/ 4.5dBi

- **Physical Properties :**

1. Material :
 - Antenna cover :ABS(BLACK)
 - Antenna BASE : PBT+PC (BLACK)
2. Connector : SMA-RP PLUG
3. Operation temperature : -30°C ~ +65°C
4. Storage temperature : -30°C ~ +85°C

REV	ECN NO.	DRAWING	DESCRIPTION	APPROVED	DATE
XI		Jane	初次發行	Gary	2021/10/25



ELECTRICAL :
 Frequency:2.4GHz~2.5GHz/5.15GHz~5.85GHz
 Impedance:50Ω
 S.W.R. : ≤2.0
 Peak Gain: 2.3dBi/4.5Bi
 Radiation:O mni

MECHANICAL :
 Antenna Cover:ABS
 Antenna Base:PBT+PC
 Color:BLACK
 Operating Temperature:-30°C~+65°C
 Storage Temperature:-30°C~+85°C

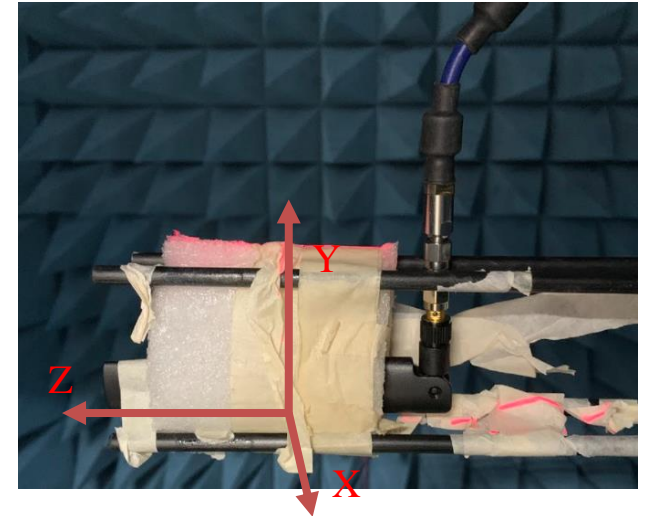
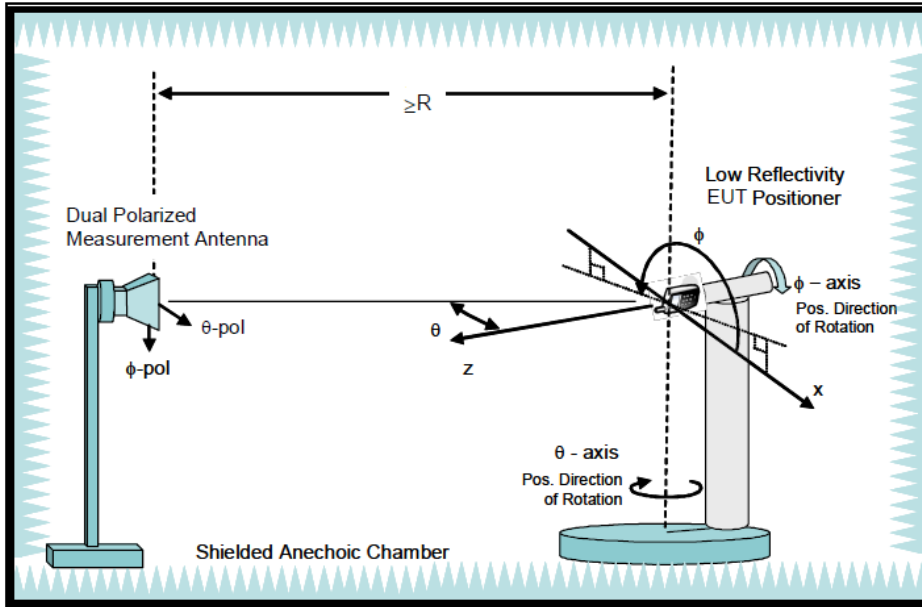
NOTE:*為重點尺寸檢驗

3.		Connector:SMA-RP PLUG 公頭母針	1
2.		ANTENNA BASE :PBT+PC / BLACK	1
1.		ANTENNA COVER: ABS /BLACK	1
NO.	PART NO.	SPECIFICATION	Q'TY
TOLERANCE UNLESS OTHERWISE SPECIFIED		TSKY CO., LTD.	
INITIAL MODEL:		PART NAME	
DIMENSION	ANGLES	CONFIDENTIAL	FINISH:
.X±	0.2	X.°±	0.5
.XX±	0.1	DRAWING DESIGNED CONCURRED APPROVED	
.XXX±	0.05		
SIZE: A4		UNIT: mm	SCALE: 1:1
PART NO. A8-A003-00185		REV. XI	SHT. 1/1

東荃A8-A003-00185
WiFi Antenna Test Report

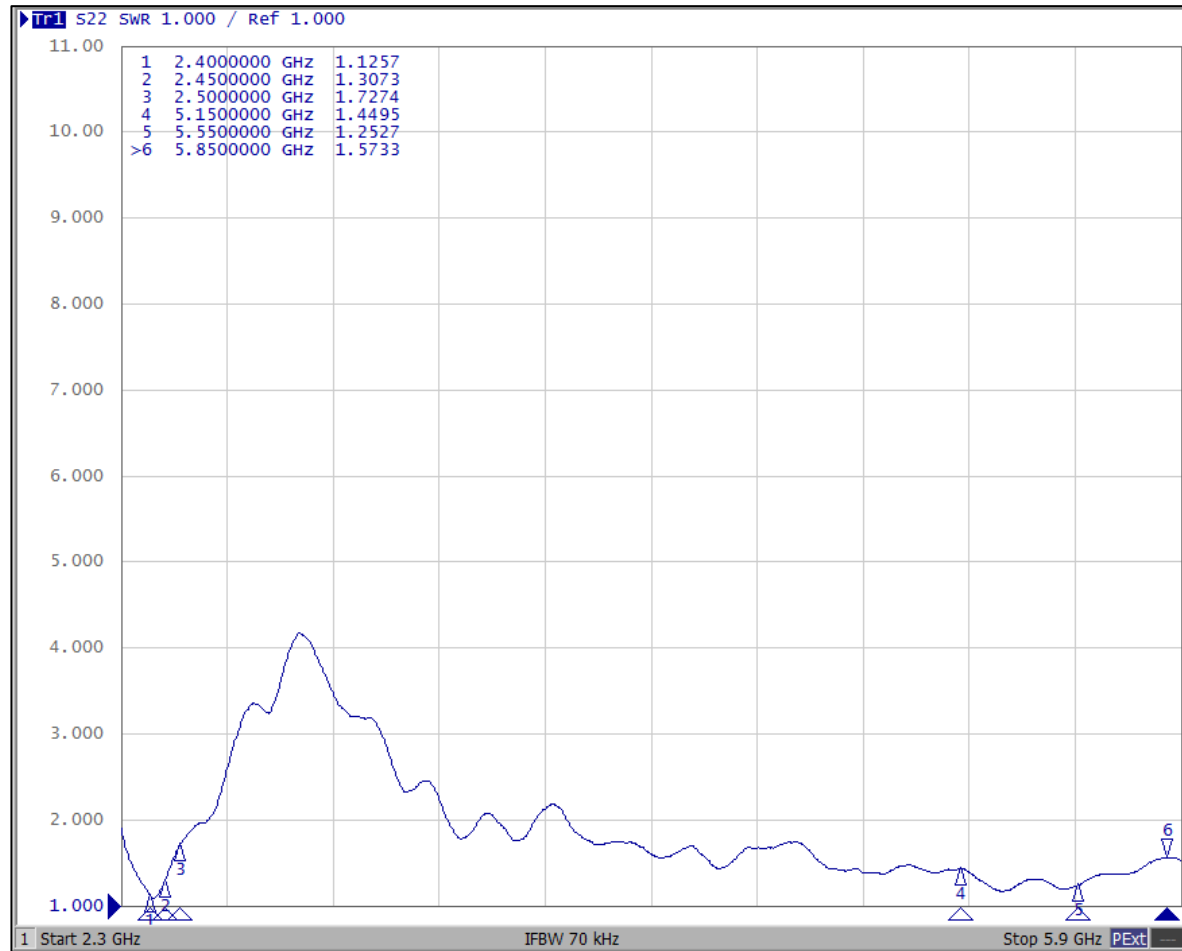
Created : 2021-10-22

Antenna Coordinate System Definition



VSWR

Antenna # 01



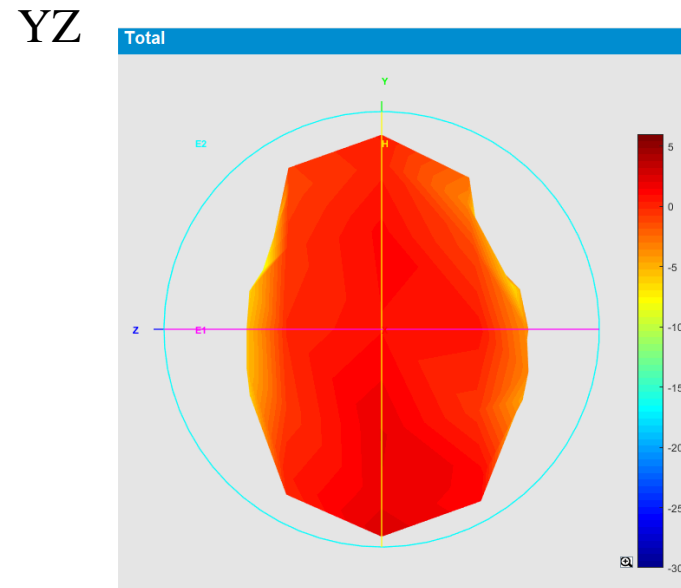
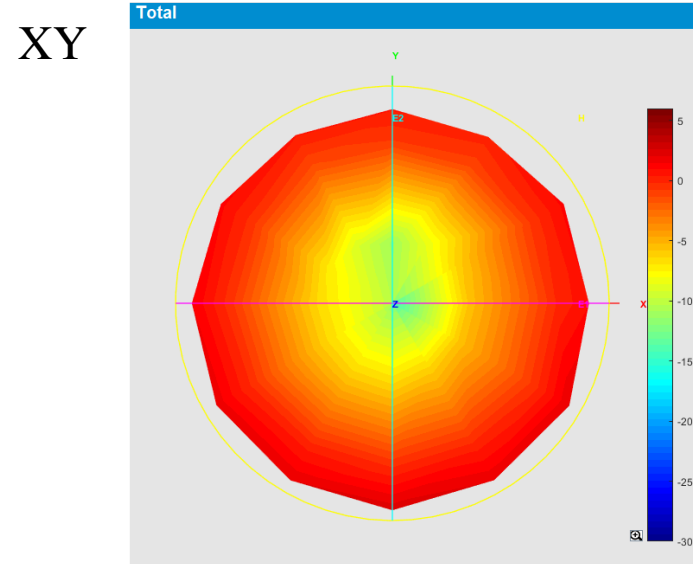
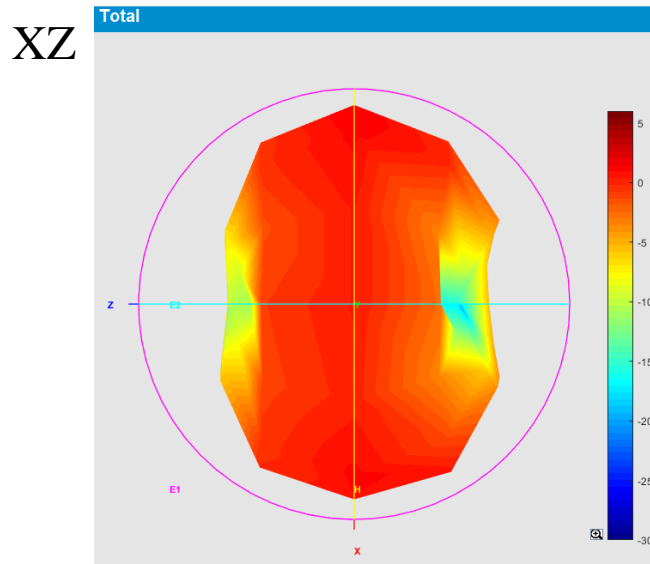
Antenna Gain and Efficiency

Antenna # 01

Frequency	2.4GHz	2.45GHz	2.5GHz	5.15GHz	5.55GHz	5.85GHz
Efficiency (%)	67.13	54.23	63.81	71.22	78.65	60.01
Gain (dBi)	2.33	1.67	1.95	4.56	4.33	3.18

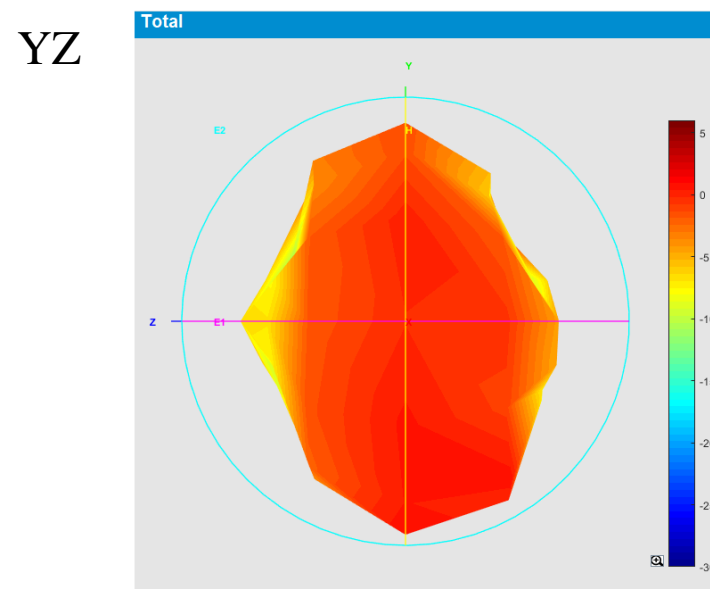
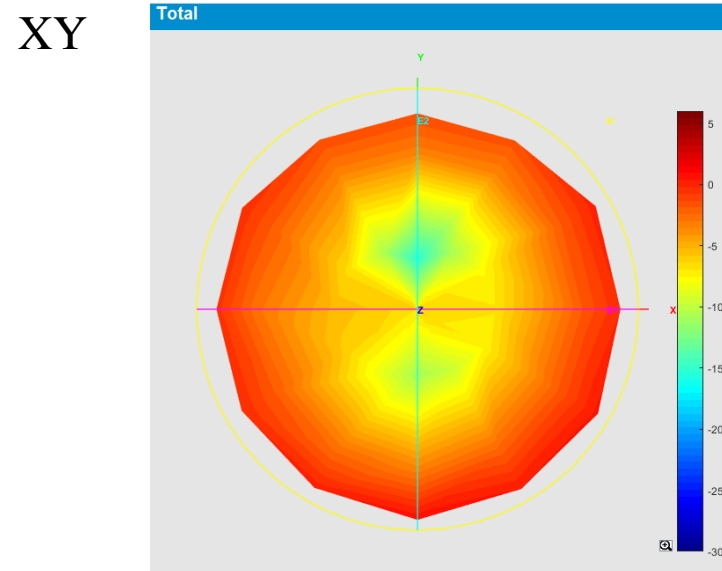
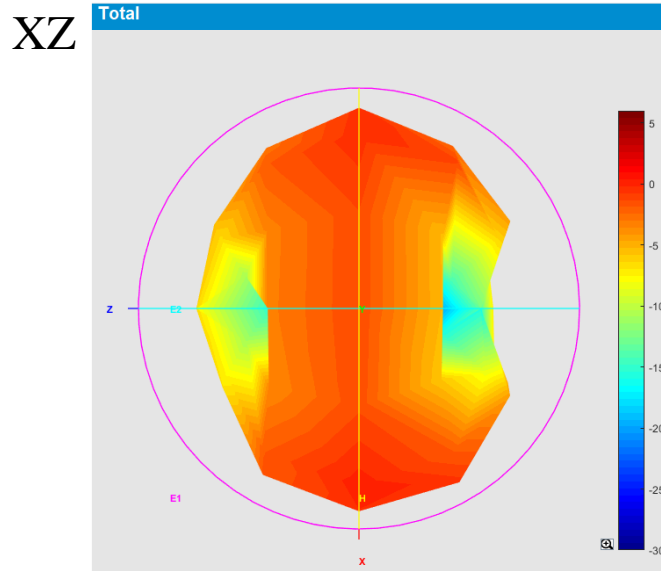
3D Radiation Pattern

Antenna # 01 (2400MHz)



3D Radiation Pattern

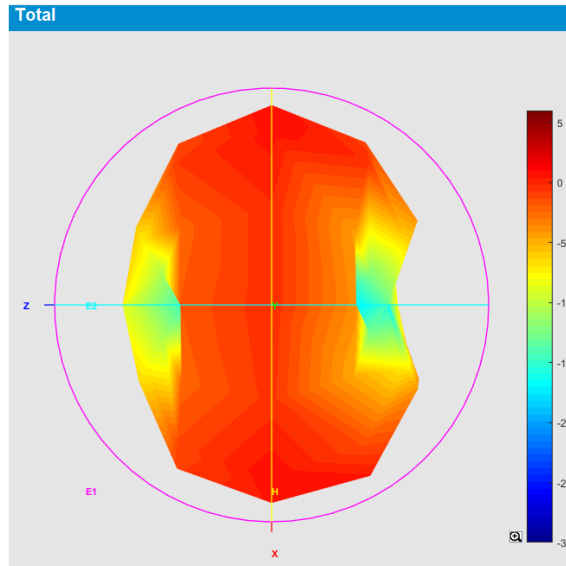
Antenna # 01 (2450MHz)



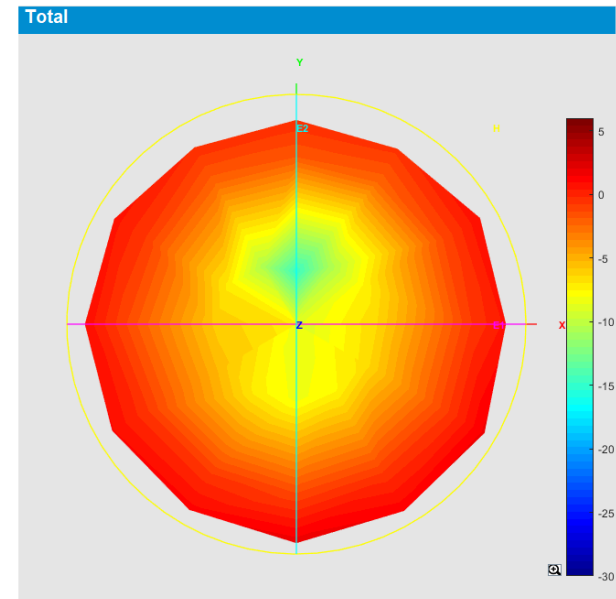
3D Radiation Pattern

Antenna # 01 (2500MHz)

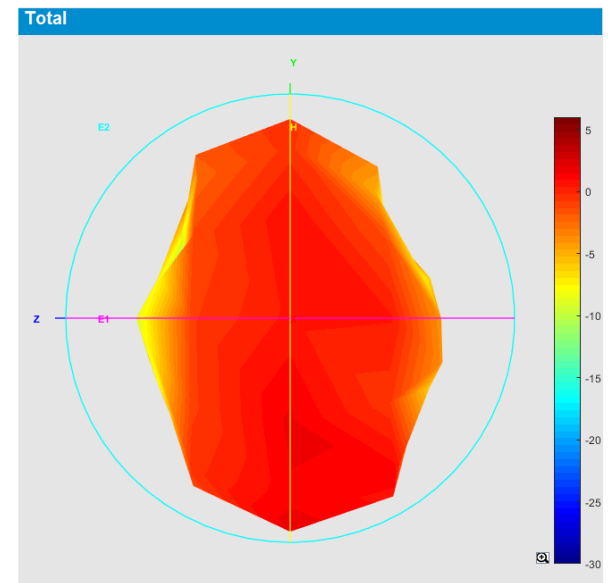
XZ



XY



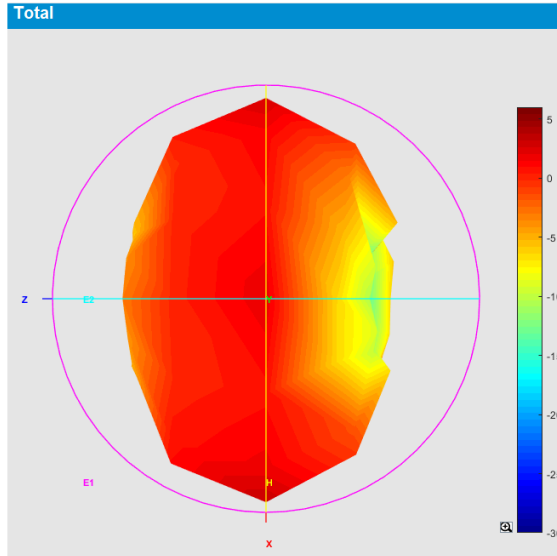
YZ



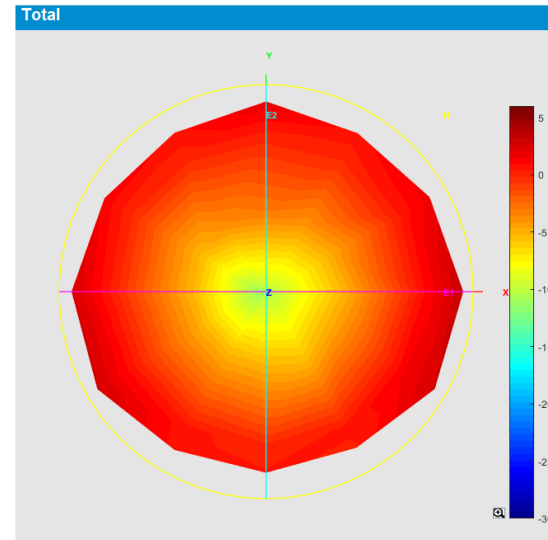
3D Radiation Pattern

Antenna # 01 (5150MHz)

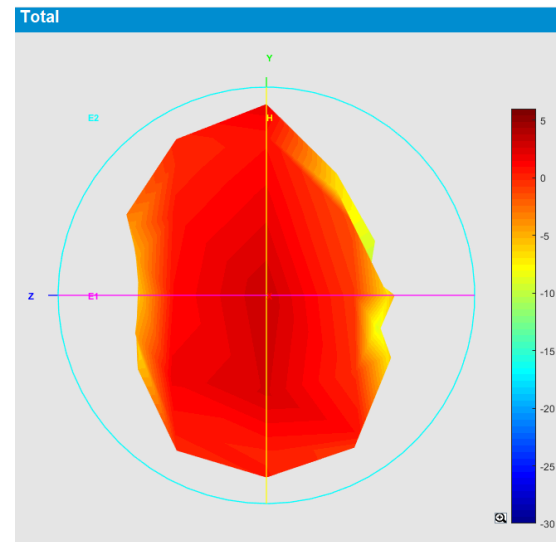
XZ



XY

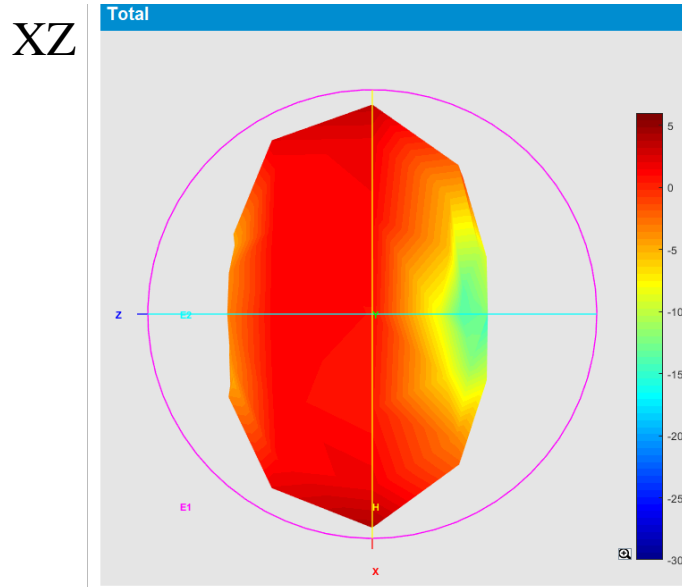


YZ

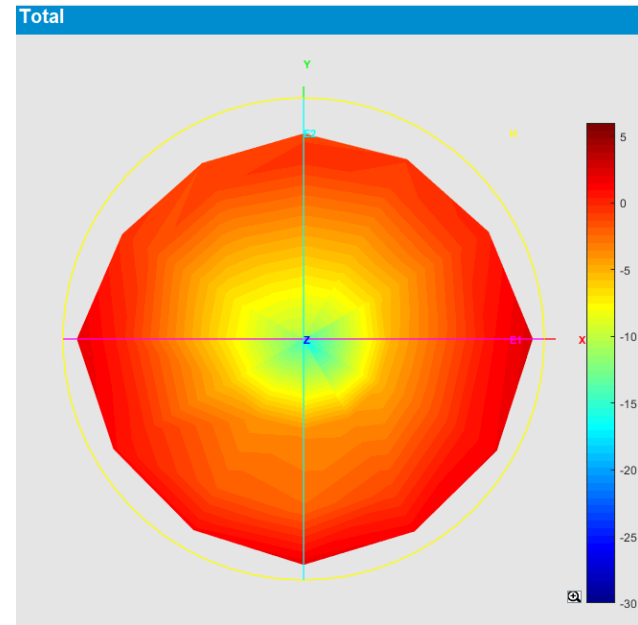


3D Radiation Pattern

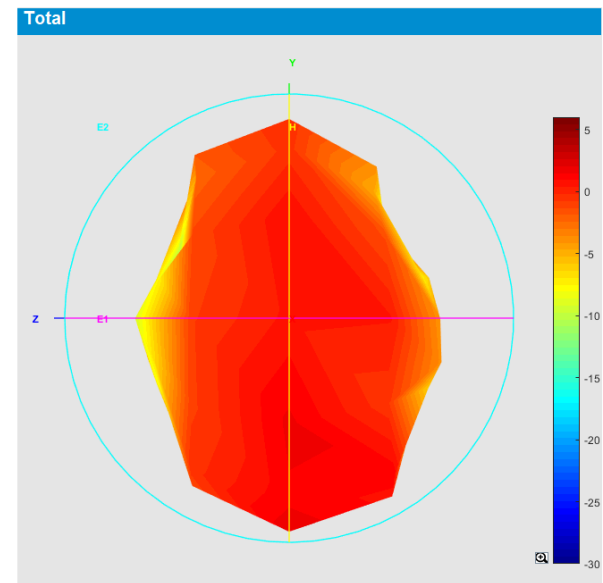
Antenna # 01 (5500MHz)



XY



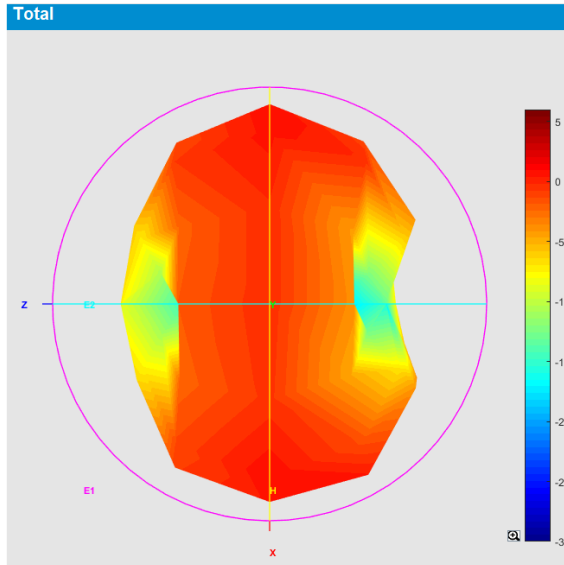
YZ



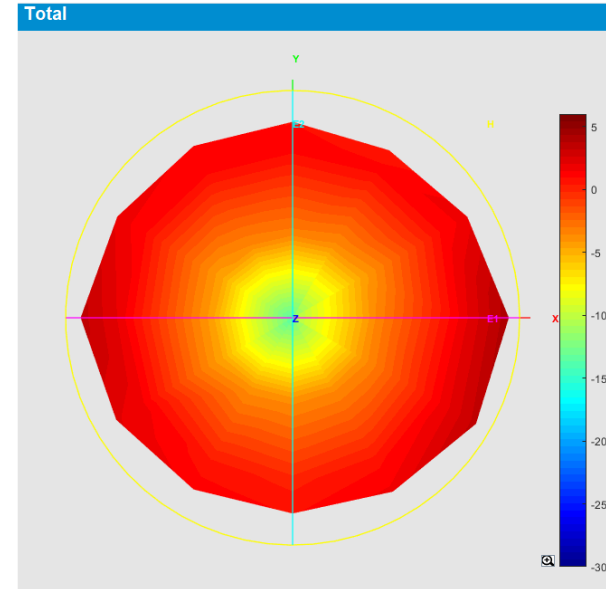
3D Radiation Pattern

Antenna # 01 (5850MHz)

XZ



XY



YZ

