



承 認 書
SPECIFICATION FOR APPROVAL

客 戶
CUSTOMER

SparkLAN

日 期
DATE

2018/01/17

品 名
DESCRIPTION

AD-301N

客 戶 料 號
CUSTOMER P/N

成 品 編 號
Part NO.

R3410110220

速連通訊股份有限公司
SparkLAN Communications, Inc

台北市內湖區堤頂大道二段257號8樓
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Taipei 11493, Taiwan
TEL: +886-2-2659-1880

SPECIFICATION

- | | | |
|-----|----------------------------|---|
| 1. | Description | : Dual Band Antenna with
RP-SMA(M)(Black) |
| 2. | Customer | : |
| 3. | Model No. | : AD-301N |
| 4. | Part No. | : R3410110220 |
| 5. | Antenna Profile | : 223mm (see Drawing) |
| 6. | Color | : Black |
| 7. | Electrical Characteristics | |
| | Operating Frequency | : 2.4~2.5 / 5.15~5.35 / 5.725~5.85GHz |
| | Antenna Type | : Dipole |
| | Polarization Type | : Linear |
| | Type of Radiation | : Toroidal |
| | Peak Gain | : 4.4 dBi Typical For 2.4G
: 5.0 dBi Typical For 5G |
| | Impedance | : 50 Ohm nominal |
| | V.S.W.R. | : 2.0:1 Max. |
| 8. | Mechanical Characteristics | |
| | Action | : Swivel Type |
| | Connector | : RP-SMA (M) |
| 9. | Raw Material | |
| | Coaxial Cable | : RG-178 |
| 10. | Manufacture | : Wanshih Electronic Co., Ltd |
| 11. | Manufacturer address. | : 4F 72 Wu Kong 6th Rd., Wugu Dist.,
New Taipei Industrial Park,
New Taipei City 24891,
Taiwan(R.O.C.) |

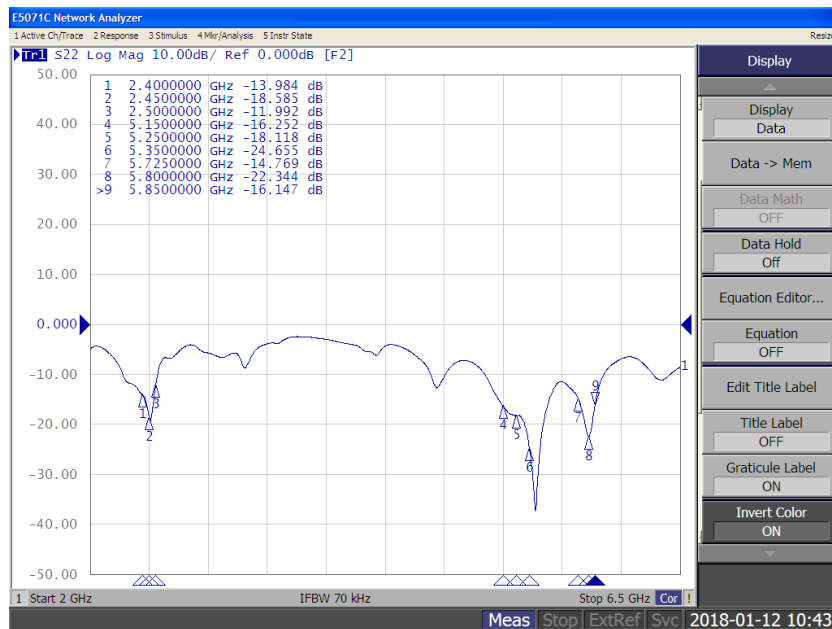
1		2		3		4		5		6		7	
一般未注公差 (mm)		LF		客戶簽名				客戶承認圖面					
X ±1.0													
X.X ±0.5													
X.XX ±0.3													
ANGULAR ±5.0°													
成品單重 X.X g													
重點尺寸 指示符													
21.9													
223±3													
199±3													
RP-SMA(M) Connector													
8 外套		外套(黑)		黑				1					
7 壓縮泡棉		壓縮泡棉		黑				1					
6 KAPTON		KAPTON		黃				1					
5 PCB		PCB						1					
4 下座		下座(黑)		黑				1					
3 上座		上座(黑)		黑				1					
2 SMA Connector		RP-SMA(M)		金				1					
1 Coaxial Cable		RG-178 CABLE 橙		橙		119		1					
NO 材料名稱		零件規格		顏色		切斷尺寸		用量					
第3角法		圖面不用實測		機種料號									
單位: mm		作成		檢圖		確認		核准		品名		Dual Band Antenna with RP-SMA(M)(Black)	
比例: FREE		徐晨瑄		郭雅珍						產品分類		☒ A成品 ☐ B半成品 ☐ C樣品	
2018年01月17日										圖面編號		版次: A	
										客戶版次:		表单编号:RD-4-037C 頁次: 1/1	

Dual Band

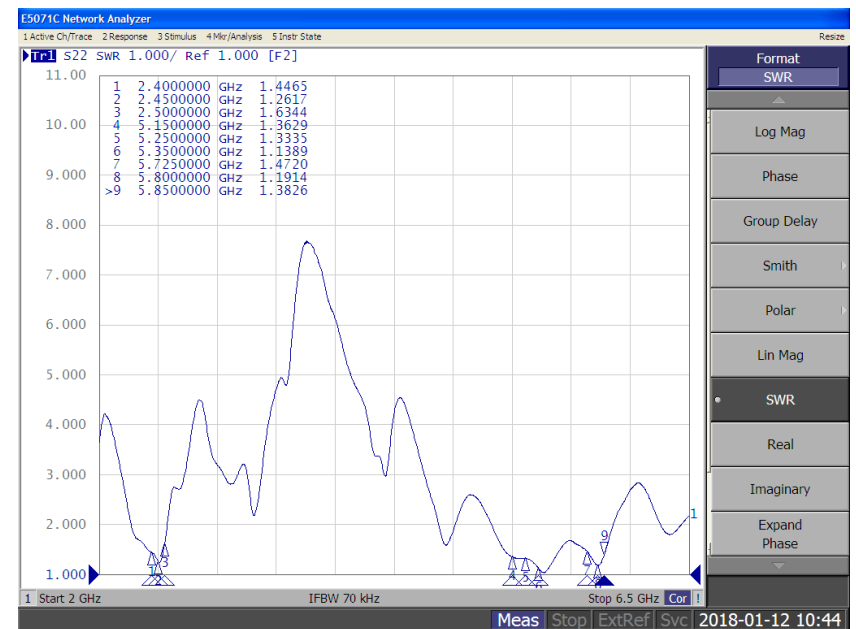
Return loss & VSWR



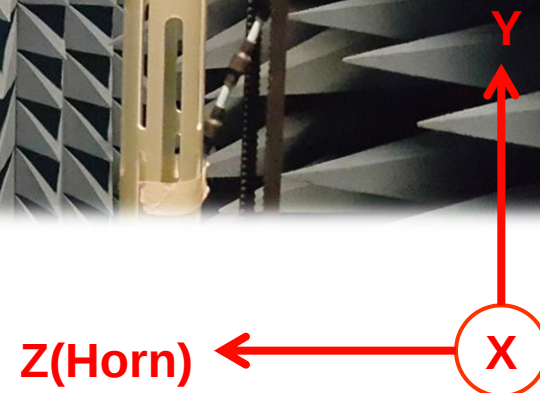
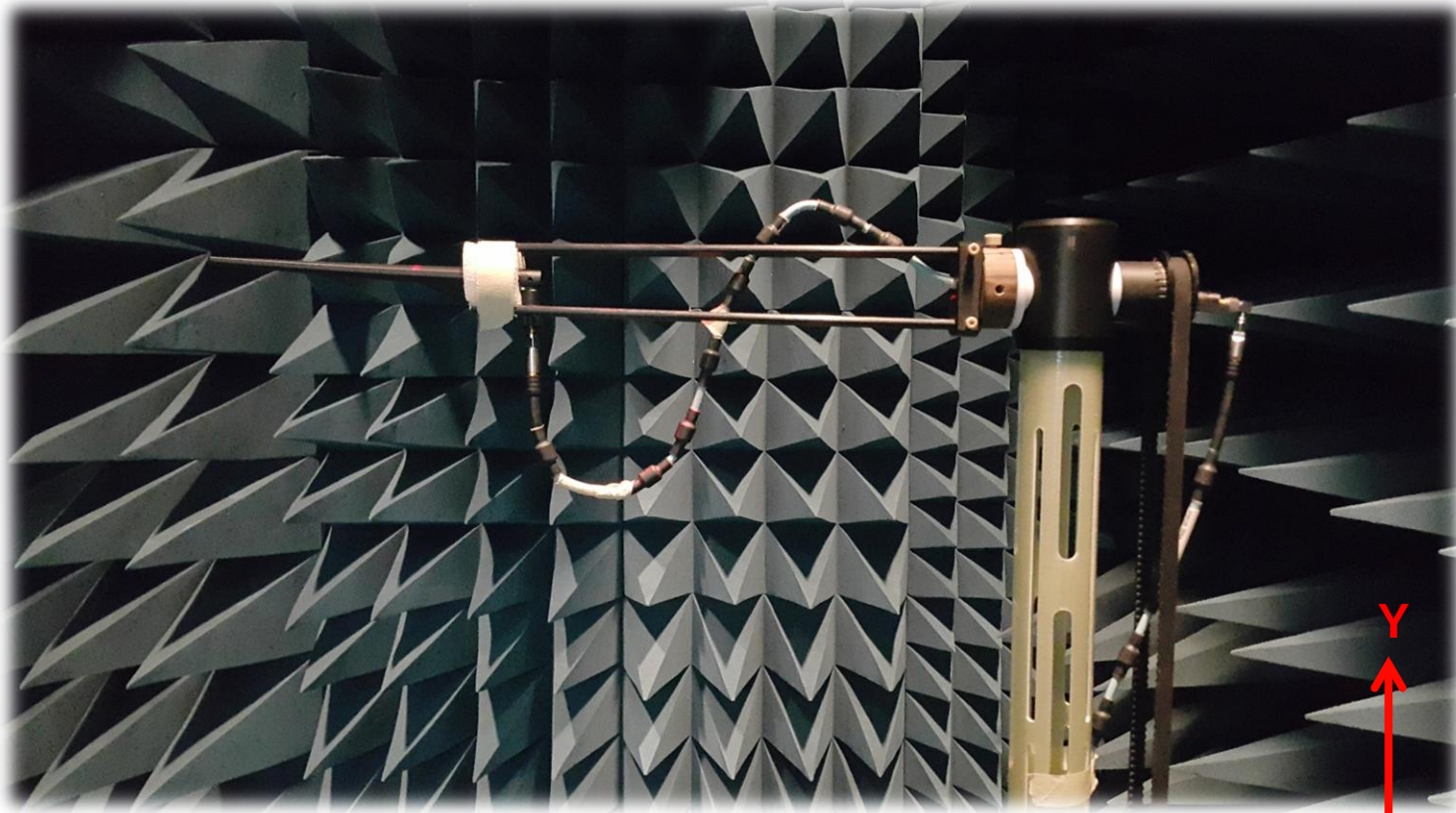
Return Loss



VSWR



Equipment Under Test(EUT)



Performance Data



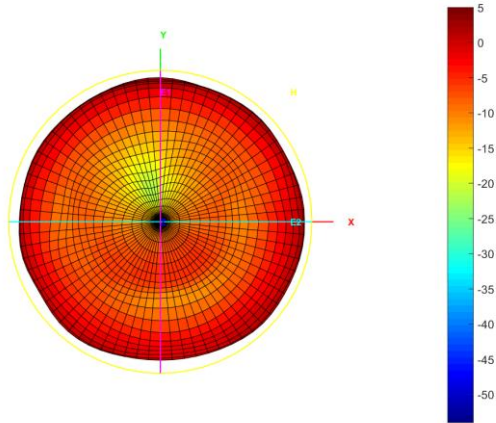
Dual Band Antenna									
Frequency (MHz)	2400	2450	2500	5150	5250	5350	5500	5750	5850
Tot. Rad. (dBi)	-1.9	-1.9	-2.4	-4.0	-3.8	-3.6	-3.3	-3.0	-2.9
Peak EIRP (dBi)	4.2	4.4	3.9	4.0	4.1	5.2	5.3	5.8	5.7
Efficiency (%)	64.9%	64.3%	57.4%	39.9%	41.7%	43.7%	46.8%	50.1%	51.3%

2.4GHz

Radiation Pattern

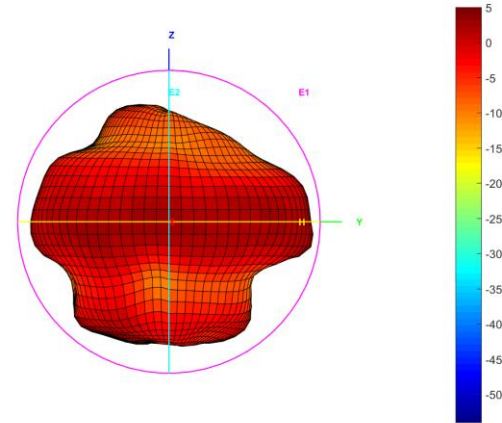
XY

Total_3D_H_2.4GHz



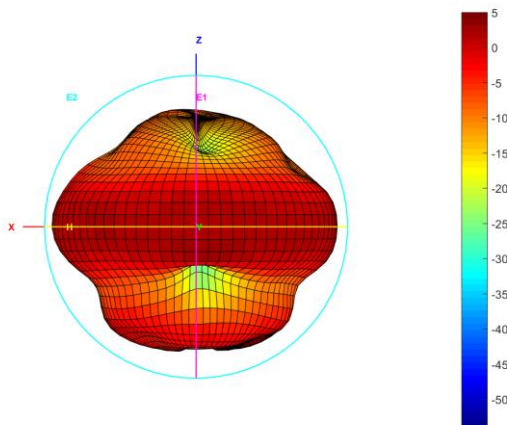
YZ

Total_3D_E2_2.4GHz



XZ

Total_3D_E1_2.4GHz



Position

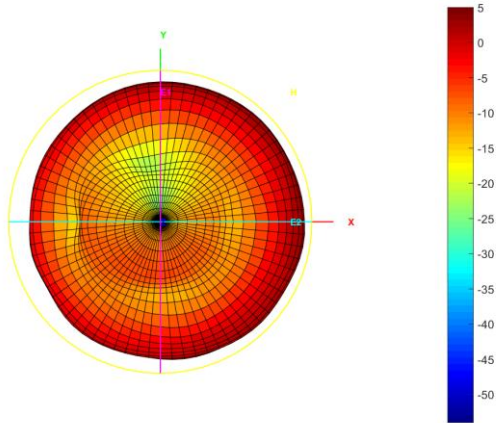


2.45GHz

Radiation Pattern

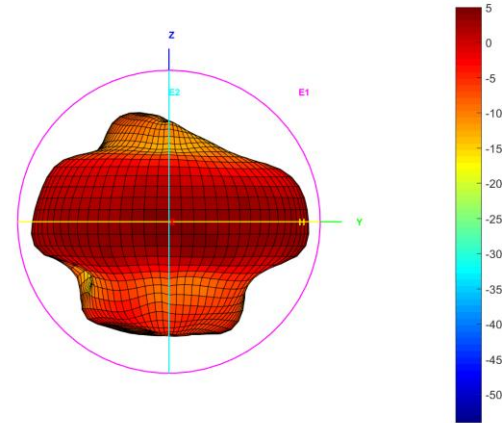
XY

Total_3D_H_2.45GHz



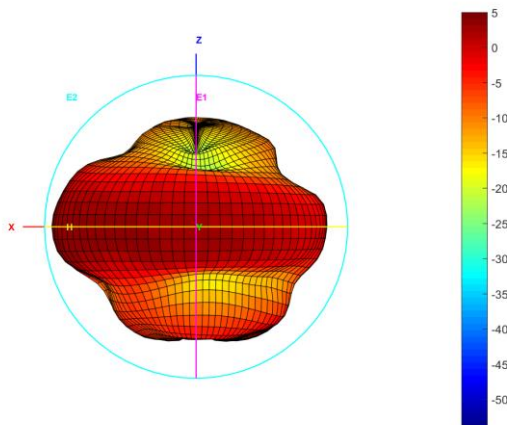
YZ

Total_3D_E2_2.45GHz



XZ

Total_3D_E1_2.45GHz



Position

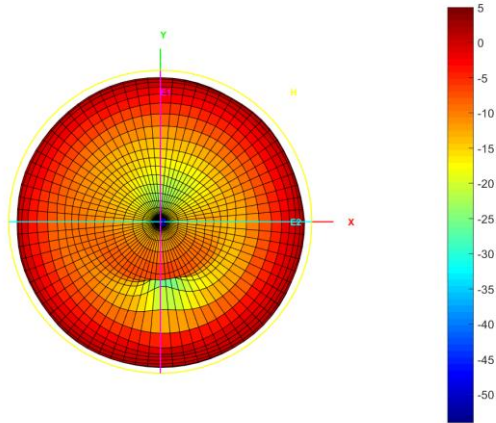


2.5GHz

Radiation Pattern

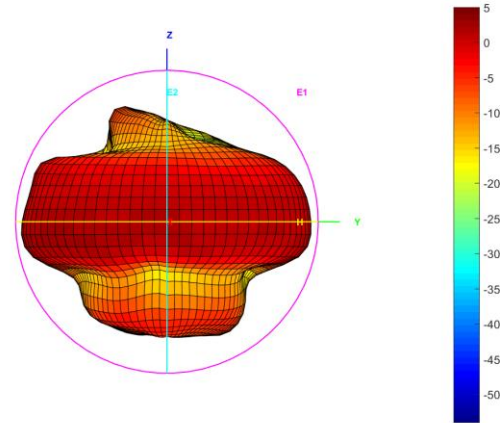
XY

Total_3D_H_2.5GHz



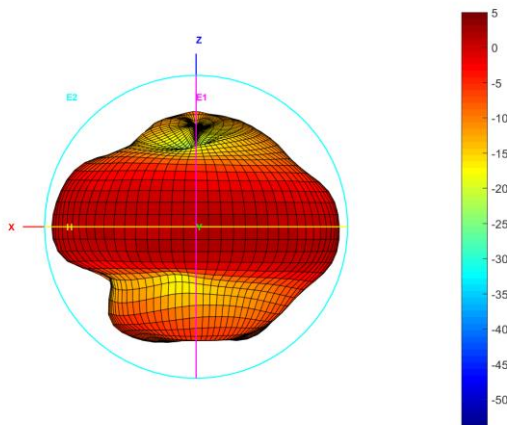
YZ

Total_3D_E2_2.5GHz



XZ

Total_3D_E1_2.5GHz



Position

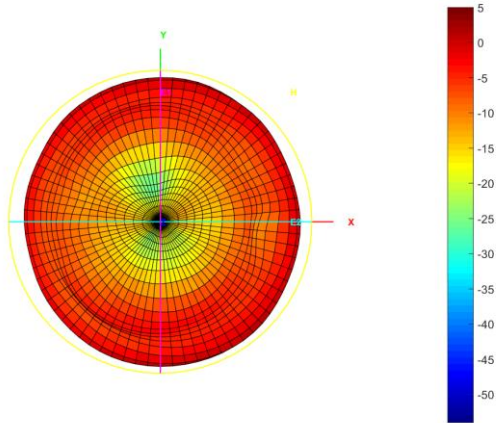


5.15GHz

Radiation Pattern

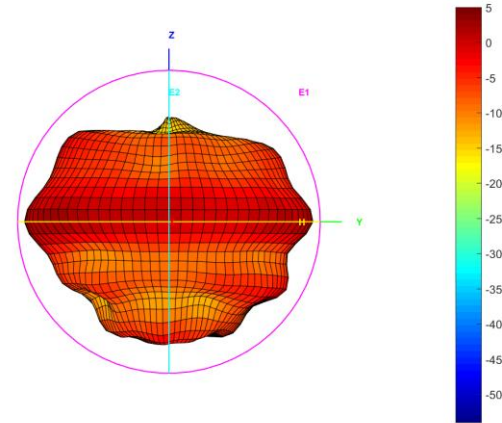
XY

Total_3D_H_5.15GHz



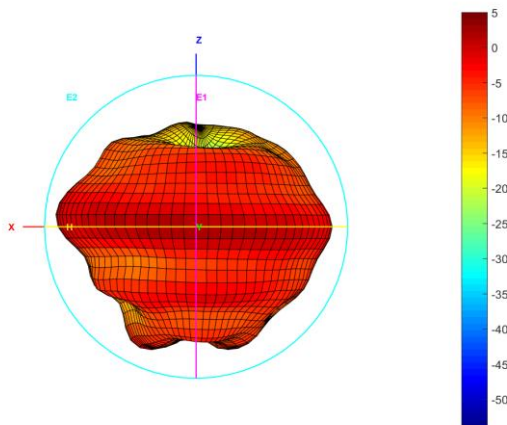
YZ

Total_3D_E2_5.15GHz



XZ

Total_3D_E1_5.15GHz



Position

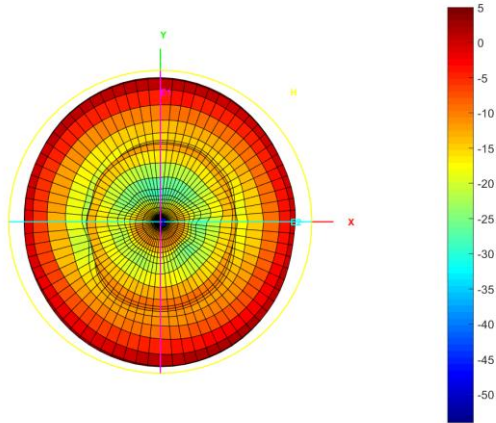


5.5GHz

Radiation Pattern

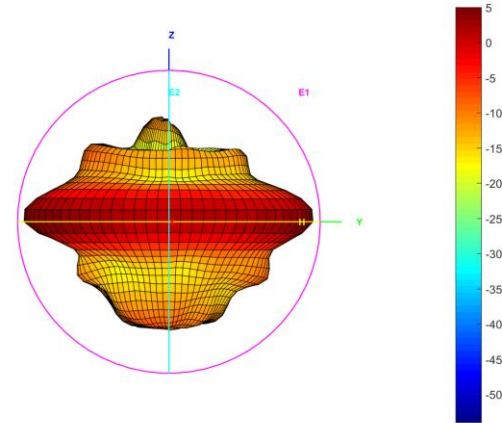
XY

Total_3D_H_5.5GHz



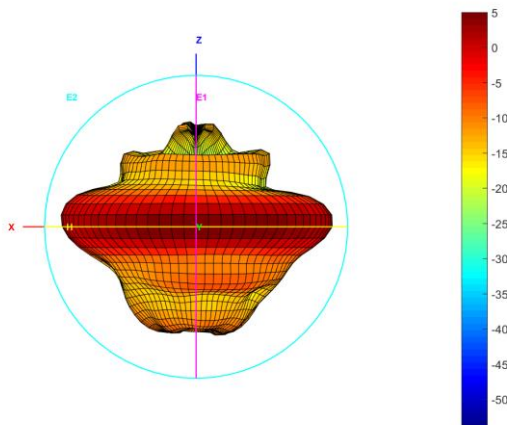
YZ

Total_3D_E2_5.5GHz



XZ

Total_3D_E1_5.5GHz



Position

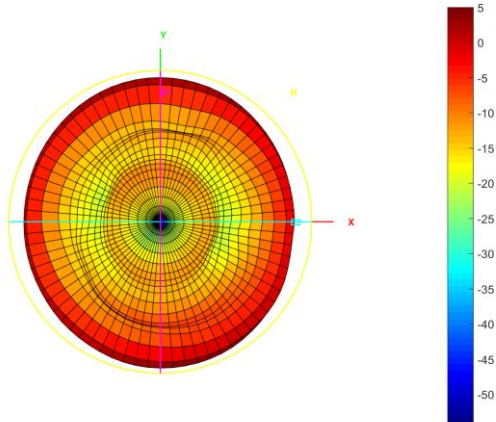


5.85GHz

Radiation Pattern

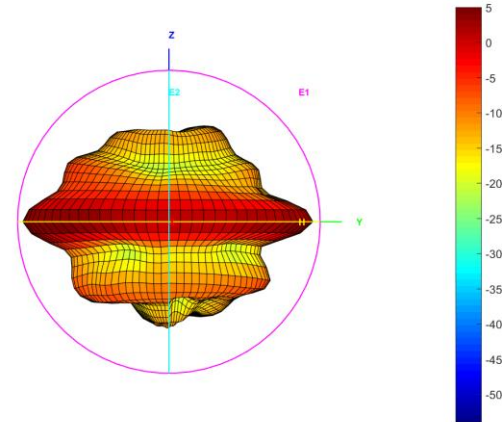
XY

Total_3D_H_5.85GHz



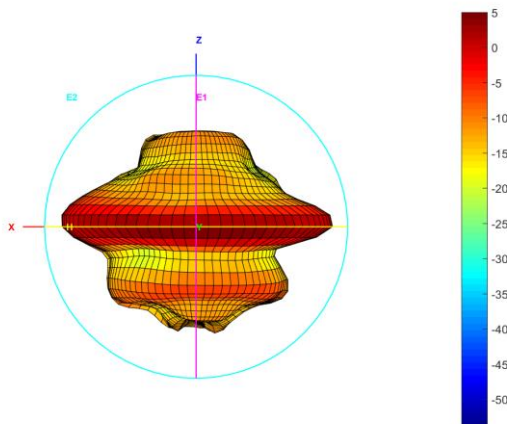
YZ

Total_3D_E2_5.85GHz



XZ

Total_3D_E1_5.85GHz



Position

