



Apex Hinged TG.30

Part No: TG.30.8113

Features:

600-6000MHz

Covers 5G/4G Bands

Typical 50%+ Efficiency and 3dBi+ Peak Gain

Dipole Swivel Terminal Antenna

Hinged 90° termination with SMA(M) Connector

RoHS and REACH Compliant



3. Antenna Characteristics 6 4. Radiation Patterns 8	1.	Introduction	2
4. Radiation Patterns 8 5. Mechanical Drawing 76 6. Packaging 77	2.	Specification	3
5. Mechanical Drawing 76 6. Packaging 77	3.	Antenna Characteristics	6
5. Packaging 77	4.	Radiation Patterns	8
	5.	Mechanical Drawing	76
Changelog 78	6.	Packaging	77
		Changelog	78

Taoglas makes no warranties based on the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. Taoglas reserves all rights to this document and the information contained herein. Reproduction, use or disclosure to third parties without express permission is strictly prohibited.











1. Introduction



The hinged Apex TG.30 is a Wideband Dipole 5G/4G Antenna – is primarily designed for use with 5G/4G modules, routers and devices that require the highest possible efficiency and peak gain to deliver best in class throughput on all major cellular bands worldwide between 600MHz and 6GHz.

The antenna is a Ground plane independent antenna with a SMA (M) connector and swivel mechanism that allows the antenna part to be rotated. The Apex exhibits high efficiency across the wide spectrum and is backward compatible with 2G and 3G cellular applications such as NB-IoT, Cat-M, LTE, UMTS, Wi-Fi and even has GROUND PLANES included for Assisted GROUND PLANES and/or E911 applications.

Typical Applications include:

- Routers and Gateways
- Access Points
- Remote Monitoring

With very high efficiency on every cellular band globally it is an ideal solution for any device requiring high, reliable performance. It is also guaranteed to meet any type approval or carrier certification requirements from a RF standpoint. It is an omni-directional antenna and the radiation patterns display this and are stable across all bands.

It has a quality robust UV resistant housing for use with wireless terminals. The swivel and hinge mechanism allows the antenna part itself to be orientated in different directions and can help avoid touching off other antennas or objects close by as well as helping with isolation by orientating the antenna in different directions in MIMO systems for when other TG.30 antennas are present on the same device.

This patented antenna is available in White and Black versions. The antenna blade can swivel 90 degrees from the connector accommodating different installation environments. It is also available with Straight and Right Angle connectors. For further information please contact your regional Taoglas customer support team.



2. Specification

			Electrica	al				
Band	Frequency (MHz)	Measurement	Efficiency (%)	Average Gain (dB)	Peak Gain (dBi)	VSWR	Impedance	Polarization
		Bent In Centre Of 30X30CM Ground plane	18.8	-7.26	1.40			
		Bent In Free Space	58.5	-2.33	2.58			
5GNR/4G Band	617-960	Bent On Edge Of 30X30CM Ground plane.	54.5	-2.64	2.77			
5,8,12,13,14,17,18,20,2 6,27,28,29,71		In Centre Of 30X30CM Ground plane	56.9	-2.45	1.98			
		Straight In Free space.	54.8	-2.62	3.00			
		Straight On Edge Of 30X30CM Ground plane.	53.5	-2.72	2.66			
		Bent In Centre Of 30X30CM Ground plane	66.3	-1.79	7.25			
		Bent In Free Space	50.4	-2.98	5.64			
5GNR/4G	1/27 1510	Bent On Edge Of 30X30CM Ground plane.	67.0	-1.74	2.49			
Band 21,32,74,75,76	1427-1518	In Centre Of 30X30CM Ground plane	54.6	-2.63	5.94			
		Straight In Free space.	49.8	-3.02	4.81			
		Straight On Edge Of 30X30CM Ground plane.	65.3	-1.85	3.10			
		Bent In Centre Of 30X30CM Ground plane	62.8	-2.02	7.79			
	1710-2200 5	Bent In Free Space	82.7	-0.82	4.29	3 Max	50Ω	Linear
4G/3G Band		Bent On Edge Of 30X30CM Ground plane.	68.7	-1.63	2.99			
1,2,3,4,9,23,25,35,39,66		In Centre Of 30X30CM Ground plane	70.8	-1.50	3.18			
		Straight In Free space.	78.3	-1.06	4.03			
		Straight On Edge Of 30X30CM Ground plane.	67.8	-1.69	3.91			
		Bent In Centre Of 30X30CM Ground plane	42.3	-3.73	4.59			
		Bent In Free Space	81.7	-0.88	4.41			
4G/3G	2300-2400	Bent On Edge Of 30X30CM Ground plane.	Bent On Edge Of 30X30CM 68.1 .1.67 3.50					
Band 40	2555 2 155	In Centre Of 30X30CM Ground plane	61.5	-2.11	3.75			
		Straight In Free space.	75.0	-1.25	4.01			
		Straight On Edge Of 30X30CM Ground plane.	67.0	-1.74	3.63			
		Bent In Centre Of 30X30CM Ground plane	30.9	-5.10	3.10			
		Bent In Free Space	70.9	-1.49	4.18			
Wi-Fi	2400-2500	Bent On Edge Of 30X30CM Ground plane.	64.0	-1.94	3.94			
2400	2400-2500	In Centre Of 30X30CM Ground plane	31.9	-4.96	2.49			
		Straight In Free space.	63.1	-2.00	3.32			
		Straight On Edge Of 30X30CM Ground plane.	59.3	-2.27	3.42			
4G/3G	2490-2690	Bent In Centre Of 30X30CM Ground plane	55.4	-2.56	7.06			
Band 7,38,41	2430-2030	Bent In Free Space	68.1	-1.67	4.41			



		Bent On Edge Of 30X30CM Ground plane.	49.8	-3.03	4.55
		In Centre Of 30X30CM Ground plane	38.3	-4.17	7.15
		Straight In Free space.	61.4	-2.12	4.73
		Straight On Edge Of 30X30CM Ground plane.	48.5	-3.15	4.67
		Bent In Centre Of 30X30CM Ground plane	42.1	-3.76	6.60
		Bent In Free Space	42.1	-3.76	3.94
5GNR/4G Band	3300-3800	Bent On Edge Of 30X30CM Ground plane.	33.7	-4.72	4.06
22,42,43,48,77,78	3300 3000	In Centre Of 30X30CM Ground plane	34.0	-4.69	5.17
		Straight In Free space.	42.4	-3.73	4.84
		Straight On Edge Of 30X30CM Ground plane.	36.8	-4.34	4.20
		Bent In Centre Of 30X30CM Ground plane	34.5	-4.62	7.09
	5150-5925	Bent In Free Space	67.1	-1.73	5.69
LTE5200/ Wi-Fi 5800		Bent On Edge Of 30X30CM Ground plane.	43.2	-3.65	4.69
E1E32007 W1-113000		In Centre Of 30X30CM Ground plane	41.2	-3.85	8.37
		Straight In Free space.	61.8	-2.09	6.52
		Straight On Edge Of 30X30CM Ground plane.	41.3	-3.84	4.34

Mechanical					
Casing	UV Resistant PC/ABS				
Flammability Rating	UL-94				
Connector	SMA Male Hinged 90°				

Environmental					
Temperature Range	-40°C to 85°C				
Humidity	Non-condensing 65°C 95% RH				

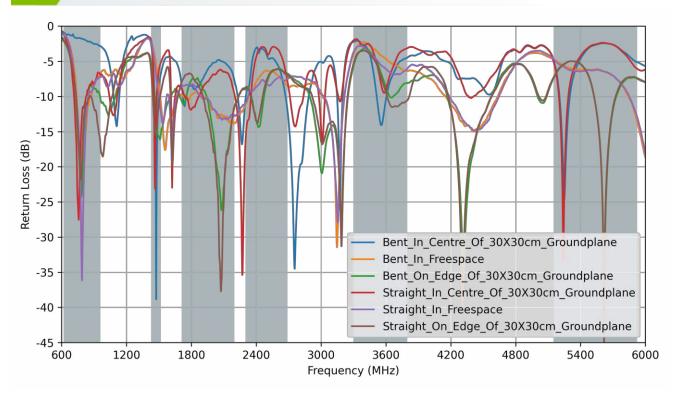


				5G/4G Band	s					
Band Number		5GNR / FR1 / LTE / LTE-Advanced / WCDMA / HSPA / HSPA+ / TD-SCDMA								
	Uplink	Downlink	Bent (Centre) 30X30cm Ground plane	Bent in free	Bent (Edge) 30x30cm Ground plane	Straight (Centre) 30X30cm Ground plane	Straight in free space	Straight (Edge 30x30cm Ground plane		
B1	1920 to 1980	2110 to 2170	✓	✓	✓	✓	✓	✓		
B2	1850 to 1910	1930 to 1990	✓	✓	✓	✓	✓	✓		
В3	1710 to 1785	1805 to 1880	✓	✓	✓	✓	✓	✓		
B4	1710 to 1755	2110 to 2155	✓	✓	✓	✓	✓	✓		
B5	824 to 849	869 to 894	✓	✓	✓	✓	✓	✓		
B7	2500 to 2570	2620 to 2690	✓.	✓.	✓.	✓.	✓.	✓.		
B8	880 to 915	925 to 960	✓.	✓.	√	✓.	√	√		
B9*		1844.9 to 1879.9	✓,	*	√	✓	√	*		
B11		1475.9 to 1495.9	✓	√	*	*	√	*		
B12	699 to 716	729 to 746	*	√	1	1	√	*		
B13	777 to 787	746 to 756	√	V	1	1	√	*		
B14	788 to 798	758 to 768	√	√	1	*	√	*		
B17	704 to 716	734 to 746	*	√	1	*	√	*		
B18	815 to 830	860 to 875	*	V	1	4	√	√		
B19	830 to 845	875 to 890	√	√	4	4	4	1		
B20	832 to 862	791 to 821	4	4	1	4	4	1		
B21		1495.9 to 1510.9	√	4	√	4	4	1		
B22*	3410 to 3490	3510 to 3590	√	4	* ✓	√	4	4		
B23*	2000 to 2020	2180 to 2200	√	√	✓	√	√	√		
B24	1626.5 to 1660.5	1525 to 1559								
B25	1850 to 1915	1930 to 1995	√	√	1	*	4	*		
B26	814 to 849	859 to 894	✓,	√	1	*	√	*		
B27*	807 to 824	852 to 869	√	V	1	1	√	*		
B28	703 to 748	758 to 803	3 2	√	√	√	√	1		
B29		:0 728	*	*	√	√	√	*		
B30	2305 to 2315	2350 to 2360	✓	√	✓	✓	√	✓		
B31	452.5 to 457.5	462.5 to 467.5	*	*	*	*	*	*		
B32		to 1496	✓.	✓.	√	✓.	√	✓.		
B34		to 2025	✓.	√	√	√	√	✓		
B35		to 1910	✓.	*	√	√	√	√		
B36		to 1990	✓.	*	√	√	√	√		
B37		to 1930	✓,	✓,	√	✓,	*	V		
B38		to 2620	✓.	*	√	√	*	1		
B39		to 1920	✓.	√	√	√	√	✓		
B40		to 2400	✓,	*	√	✓,	*	V		
B41		to 2690	✓.	*	√	√	*	V		
B42	3400 to 3600		✓.	√	√	√	√	√		
B43		:0 3800	✓,	*	√	√	√	*		
B45		to 1467	✓.	*	√	√	√	V		
B46		to 5925	✓	√	√	✓.	√	✓.		
B47	5855 to 5925		✓.	√	√	√	√	√		
B48	3550 to 3700		✓,	*	√	√	√	~		
B49	3550 to 3700		✓.	*	√	√	*	√		
B50	1432 to 1517		√	✓.	✓.	✓	✓.	✓		
B51		1427 to 1432		√	✓	*	√	✓		
B52	3300 to 3400		36	✓.	*	*	✓.	*		
B53		to 2495	✓.	✓.	✓.	✓	✓	✓.		
B65	1920 to 2010	2110 to 2200	✓.	✓.	✓.	✓.	✓.	✓.		
B66	1710 to 1780	2110 to 2200	✓	√	√	✓.	√	✓.		
B68	698 to 728	753 to 783	*	✓.	✓.	✓.	✓.	✓.		
B69		to 2620	✓.	✓.	✓	✓	✓	✓		
B70	1695 to 1710	1995 to 2020	✓	✓.	✓	✓	✓	✓		
B71	663 to 698	617 to 652	*	✓	*	*	×	*		
B72	451 to 456	461 to 466	*	×	*	*	×	*		
B73	450 to 455	460 to 465	36	*	*	*	*	3 0		
B74	1427 to 1470	1475 to 1518	✓.	✓.	✓.	✓.	✓.	✓.		
B75	1432 t	to 1517	✓	✓	✓	✓	✓	✓		
B76	1427 t	to 1432	✓	✓	✓	32	✓	✓		
B77	3300 t	to 4200	✓	✓	✓	✓	✓	✓		
B78	3300 t	to 3800	✓	✓	✓	✓	✓	✓		
B79	4400 t	to 5000	✓	✓	✓	✓	✓	✓		
B85	698 to 716	728 to 746	*	✓	✓	✓	✓	✓		
B87	410 to 415	420 to 425	*	*	*	*	*	×		
B88	412 to 417	422 to 427	*	*	*	*	*	*		

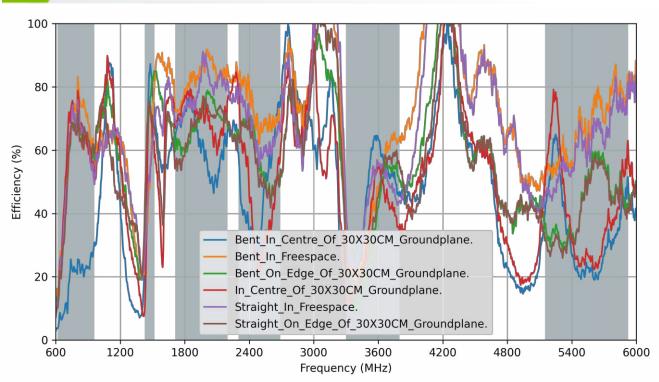


3. Antenna Characteristics

3.1 Return Loss

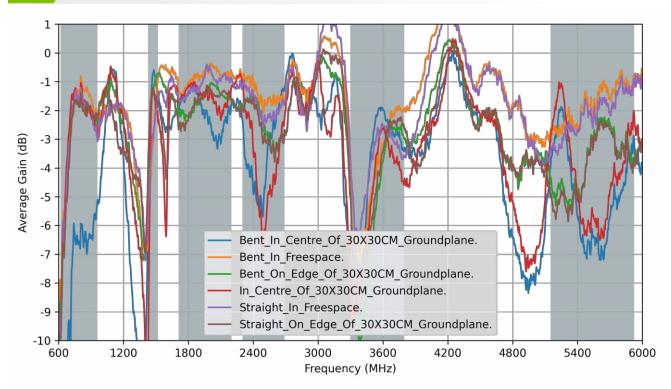


3.2 Efficiency

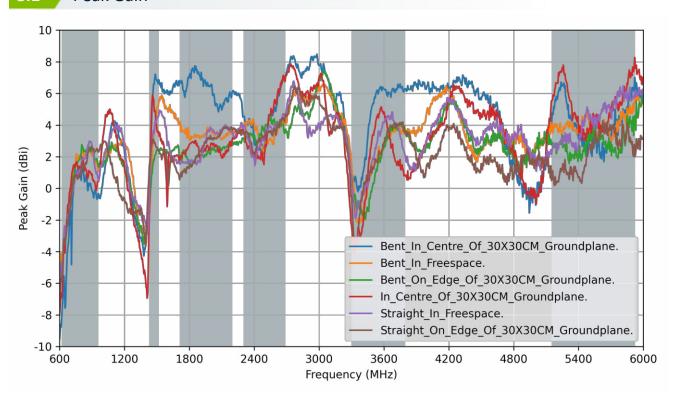




3.3 Average Gain



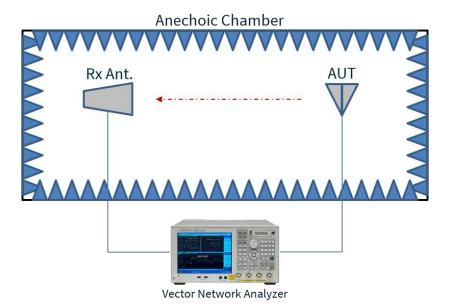
3.1 Peak Gain



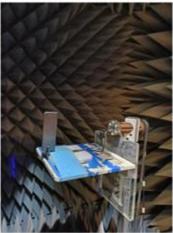


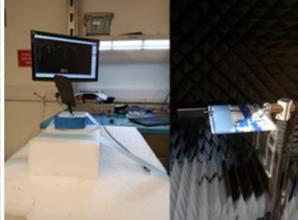
4. Radiation Patterns

4.1 Test Setup







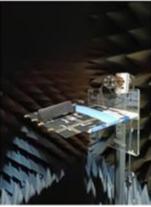


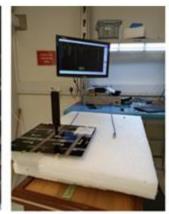
Chamber & VNA setup bent on the edge of a 30x30cm ground plane

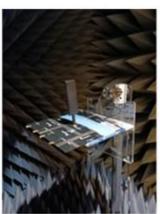
Chamber & VNA setup straight on the edge of a 30x30cm ground plane





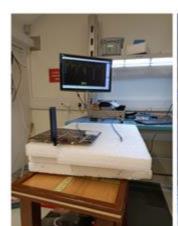






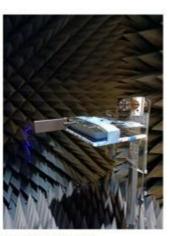
Chamber & VNA setup bent in the middle of a 30x30cm ground plane

Chamber & VNA setup straight in the middle of a 30x30cm ground plane







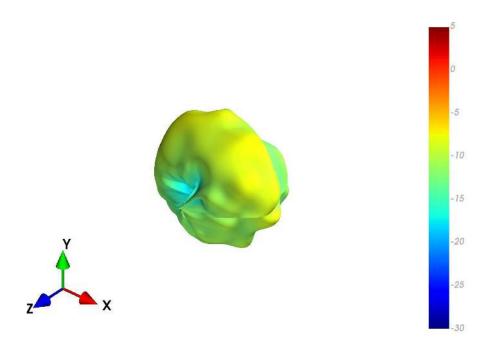


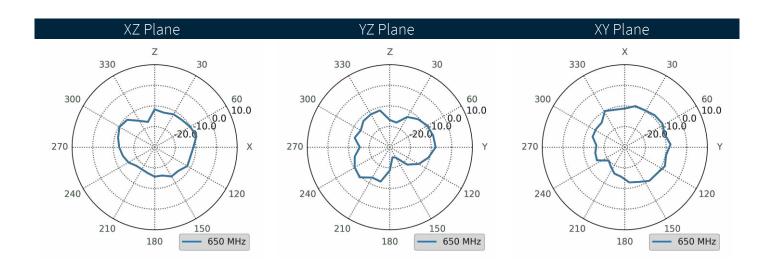
Chamber & VNA setup bent on the edge of a 30x30cm ground plane

Chamber & VNA setup straight on the edge of a 30x30cm ground plane



4.2 Bent (Centre) 30x30cm Ground plane - Patterns at 650 MHz

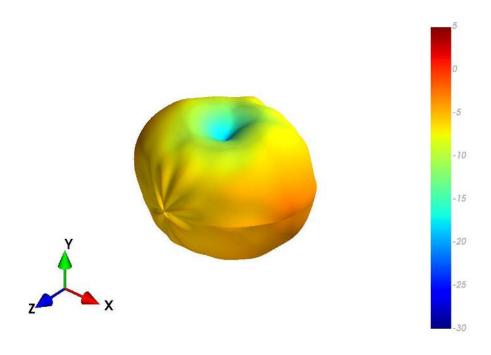


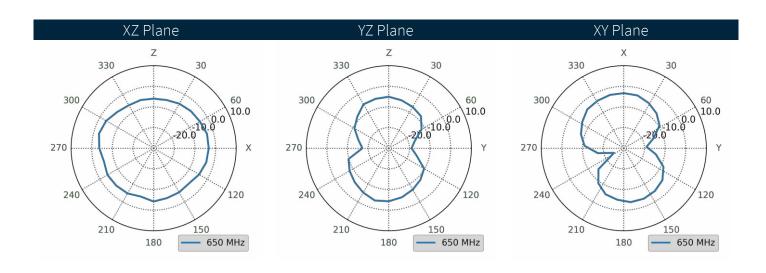


www.taoglas.com



4.3 Bent in Free space -Patterns at 650 MHz

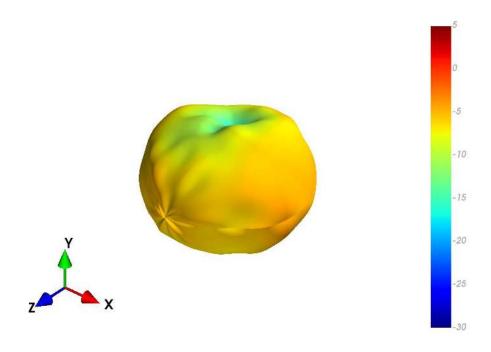


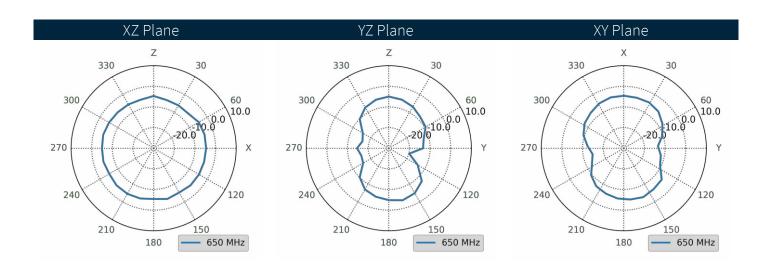




12

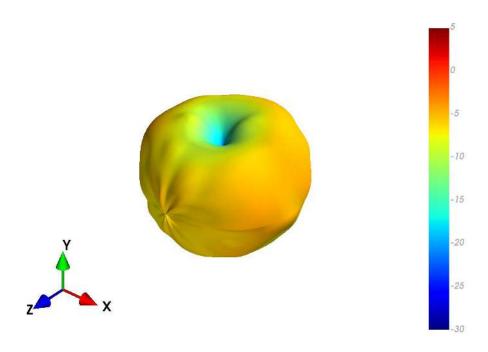
4.4 Bent (Edge) 30x30cm Ground plane - Patterns at 650 MHz

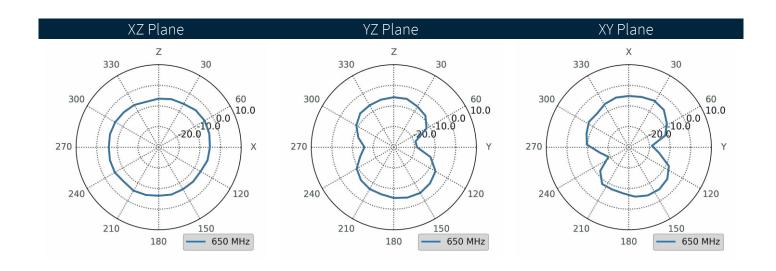






4.5 Straight (Centre) 30x30cm Ground plane - Patterns at 650 MHz

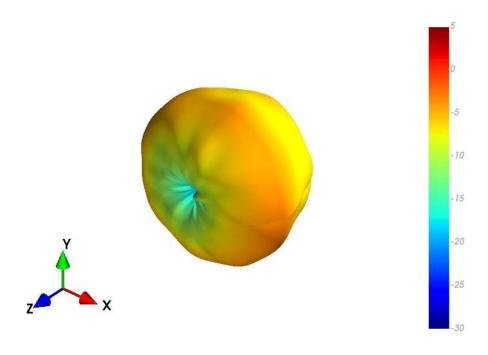


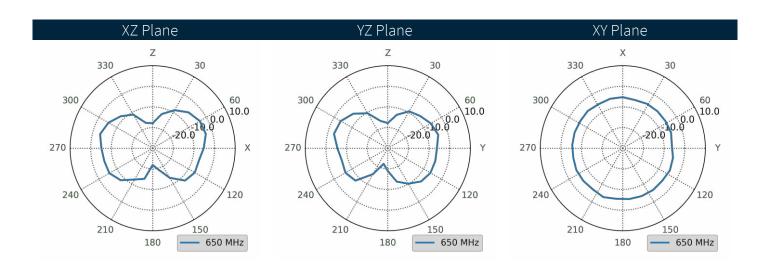


www.taoglas.com



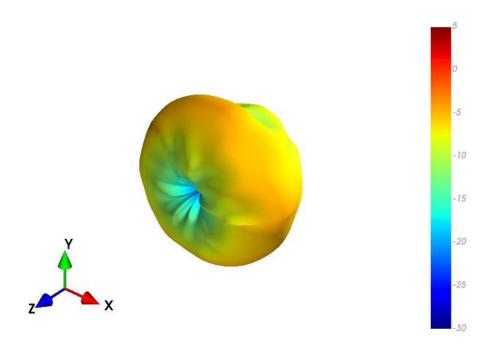
4.6 Straight in Free space - Patterns at 650 MHz

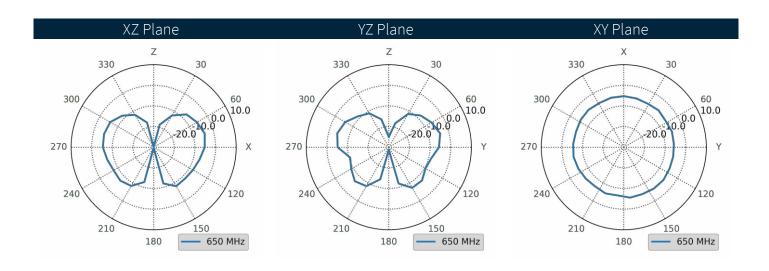






4.7 Straight (Edge) 30x30cm Ground plane - Patterns at 650 MHz



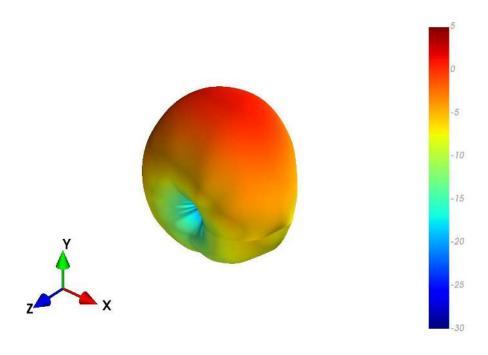


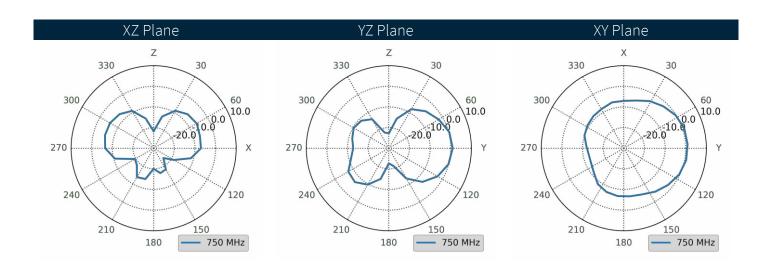
www.taoglas.com



16

4.8 Bent (Centre) 30x30cm Ground plane - Patterns at 750 MHz

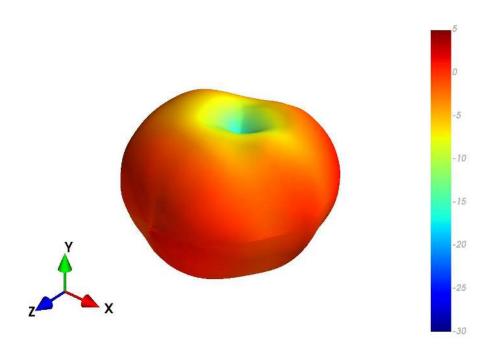


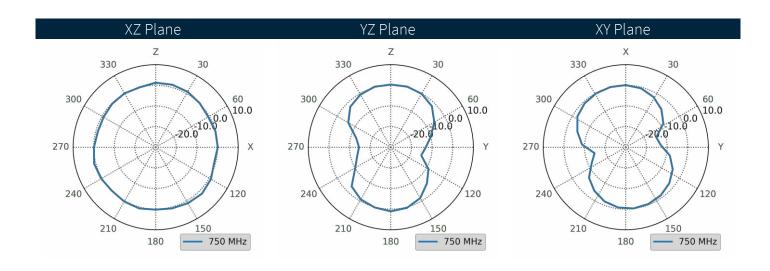


SPE-12-8-124-M www.taoglas.com



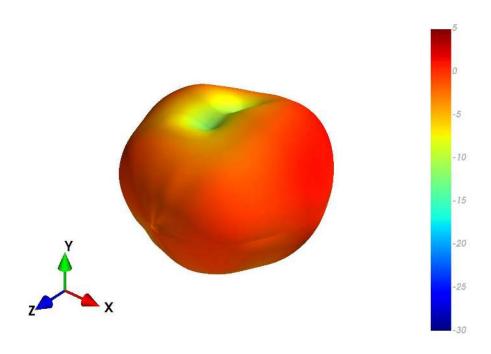
4.9 Bent in Free space -Patterns at 750 MHz

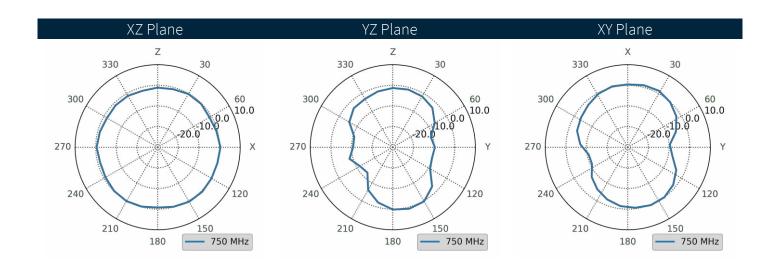






Bent (Edge) 30x30cm Ground plane - Patterns at 750 MHz 4.10



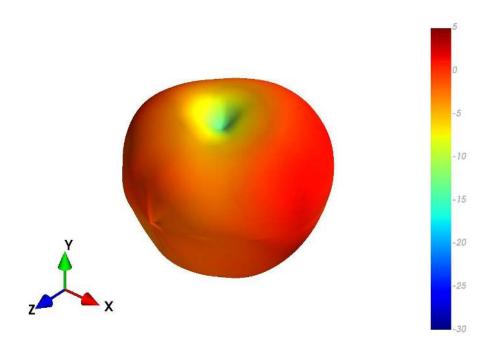


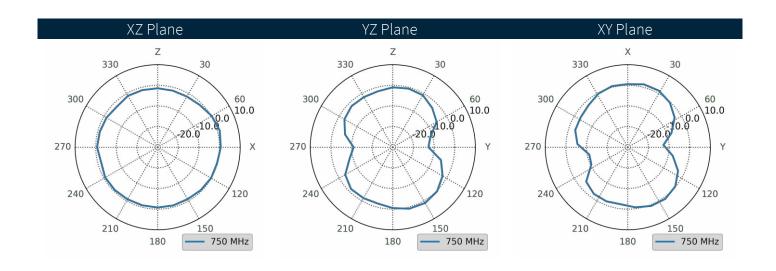
SPE-12-8-124-M

www.taoglas.com



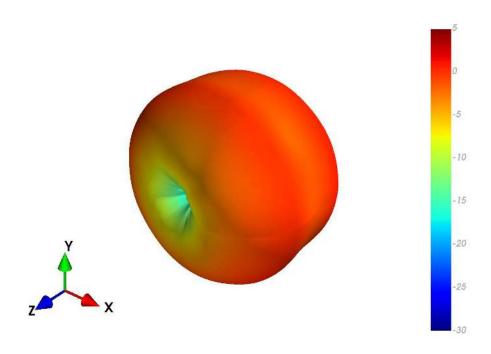
4.11 Straight (Centre) 30x30cm Ground plane -Patterns at 750 MHz

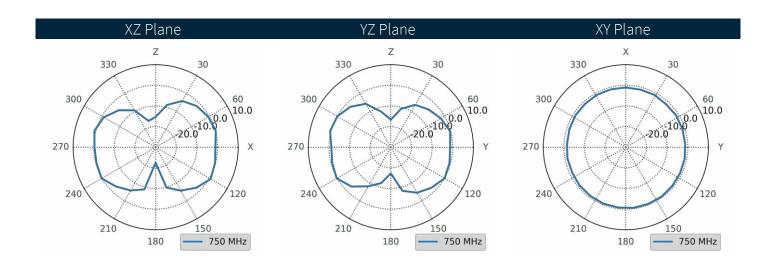






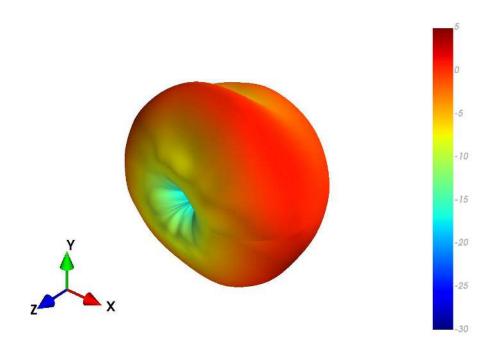
4.12 Straight in Free space - Patterns at 750 MHz

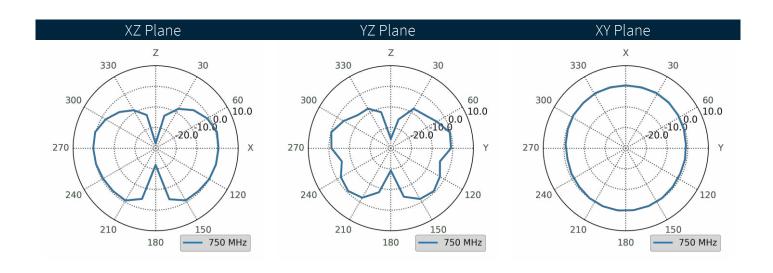






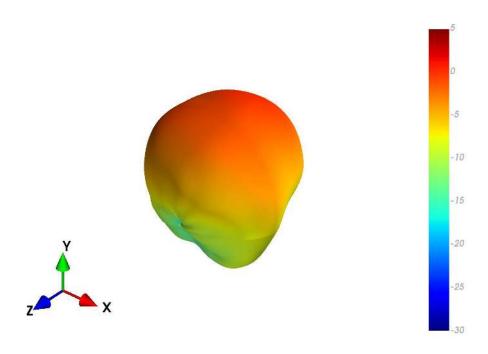
4.13 Straight (Edge) 30x30cm Ground plane - Patterns at 750 MHz

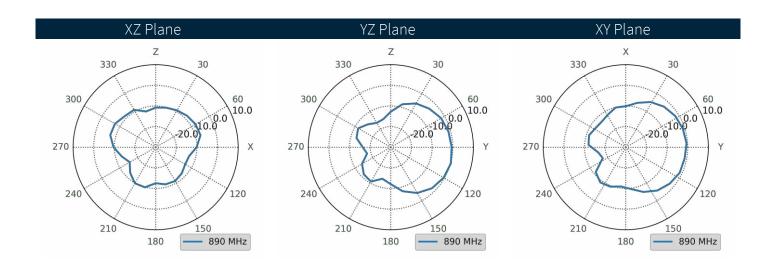






4.14 Bent (Centre) 30x30cm Ground plane - Patterns at 890 MHz

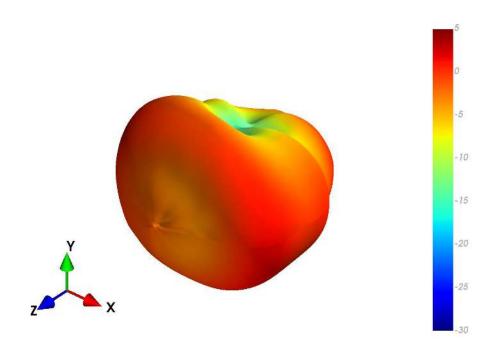


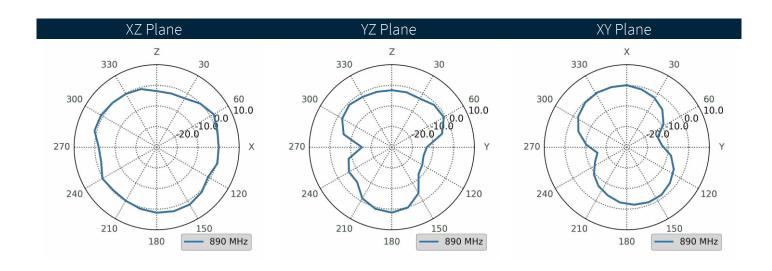


www.taoglas.com



4.15 Bent in Free space - Patterns at 890 MHz

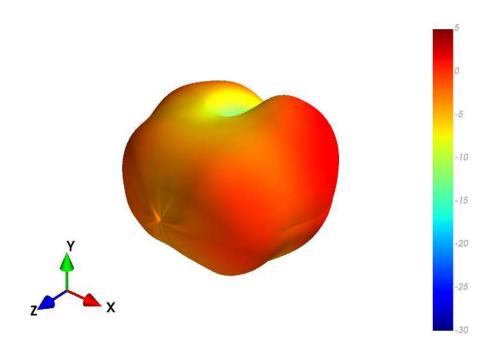


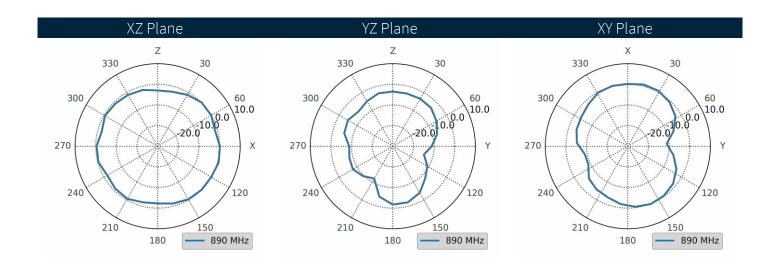




24

4.16 Bent (Edge) 30x30cm Ground plane - Patterns at 890 MHz

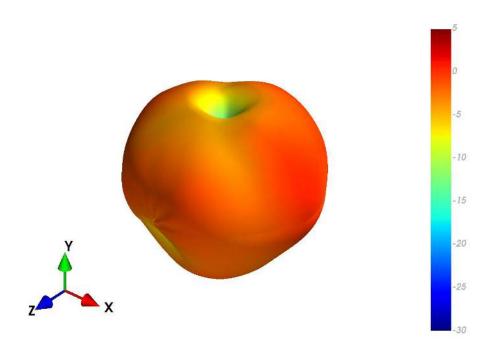


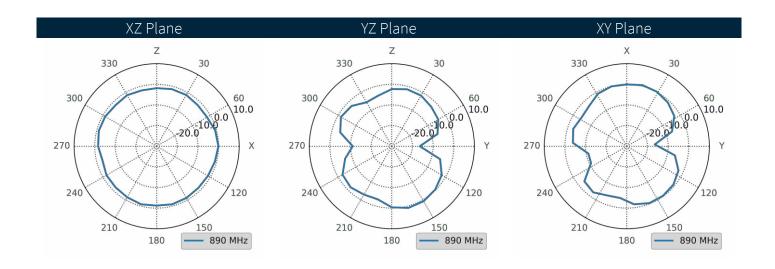


SPE-12-8-124-M www.taoglas.com



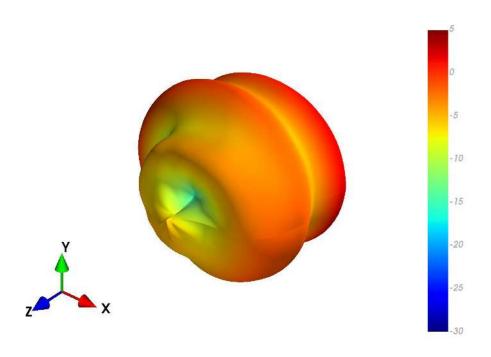
4.17 Straight (Centre) 30x30cm Ground plane - Patterns at 890 MHz

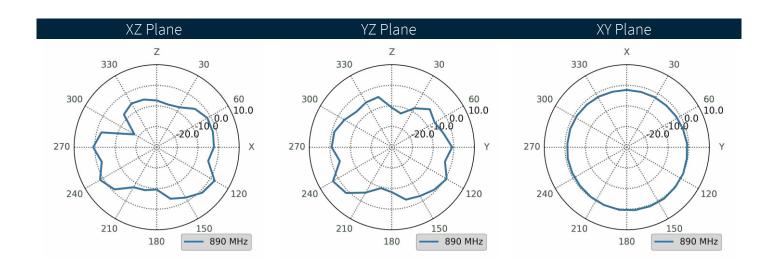






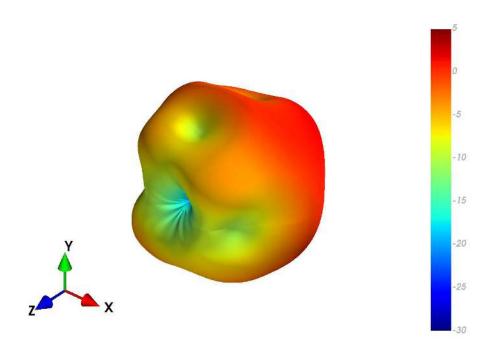
4.18 Straight in Free space - Patterns at 890 MHz

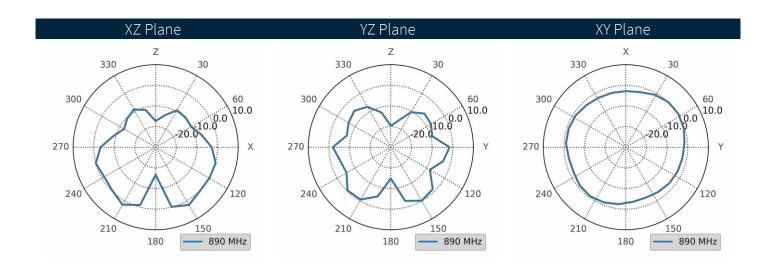






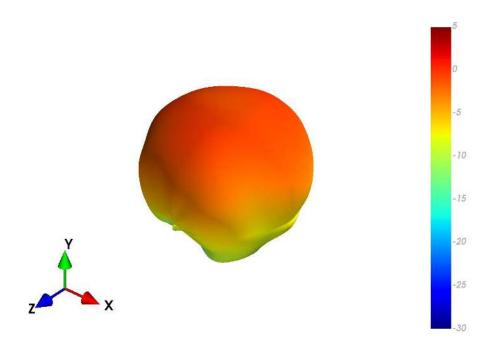
4.19 Straight (Edge) 30x30cm Ground plane - Patterns at 890 MHz

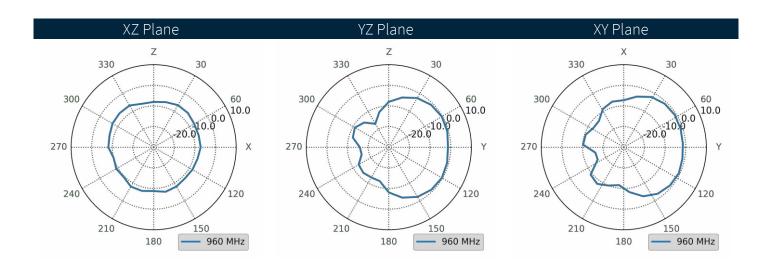






4.20 Bent (Centre) 30x30cm Ground plane - Patterns at 960 MHz

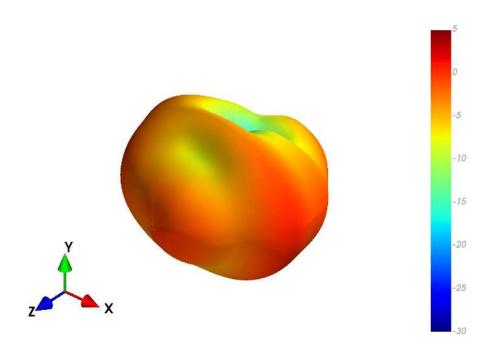


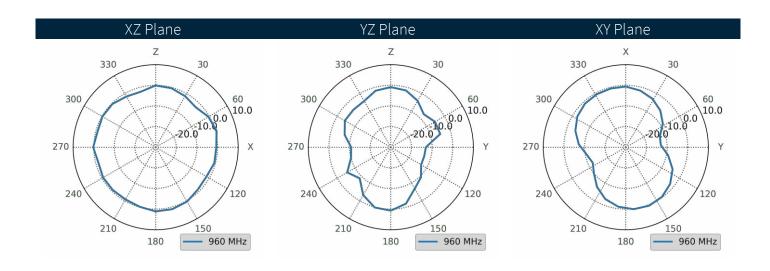


www.taoglas.com



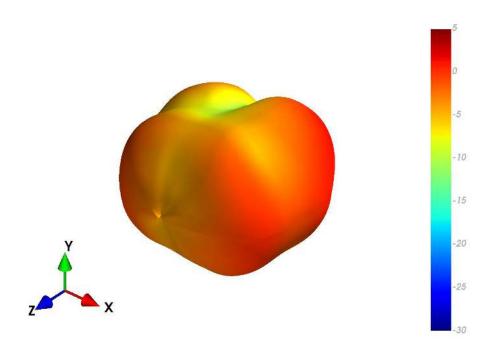
4.21 Bent in Free space - Patterns at 960 MHz

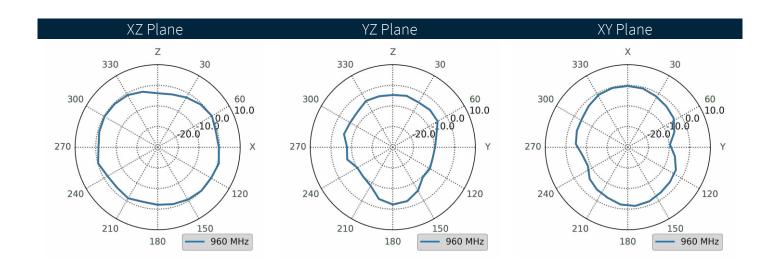






4.22 Bent (Edge) 30x30cm Ground plane - Patterns at 960 MHz

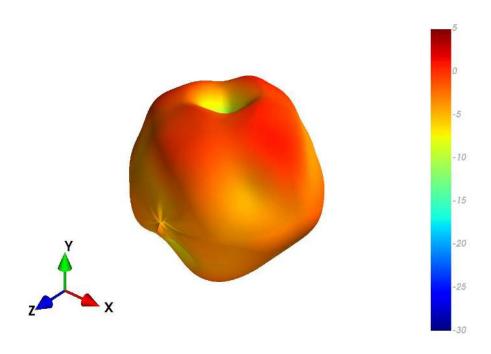


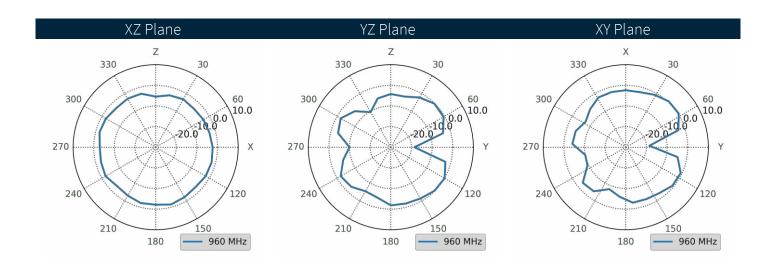


www.taoglas.com



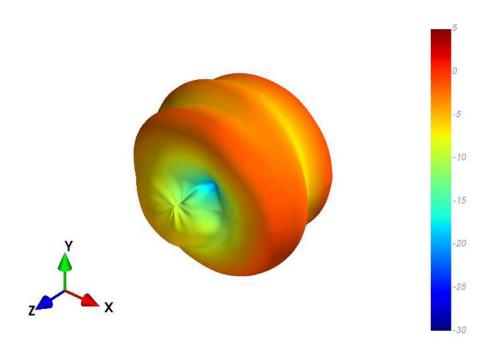
4.23 Straight (Centre) 30x30cm Ground plane - Patterns at 960 MHz

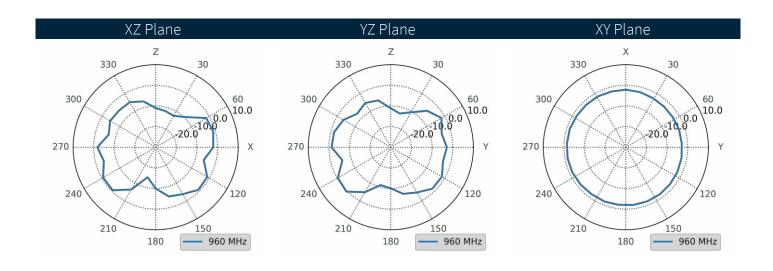






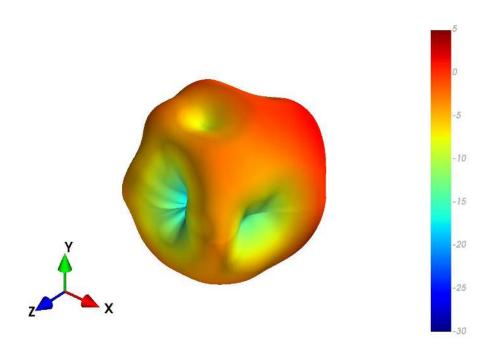
4.24 Straight in Free space - Patterns at 960 MHz

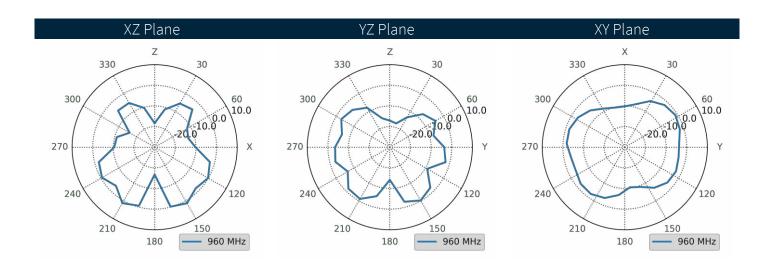






4.25 Straight (Edge) 30x30cm Ground plane - Patterns at 960 MHz



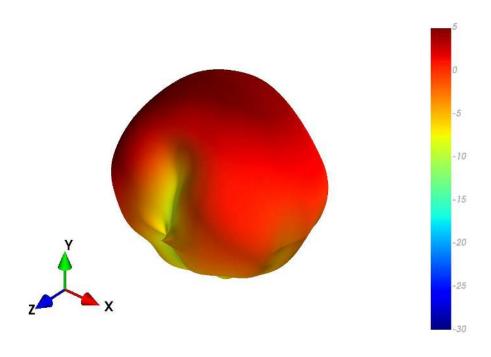


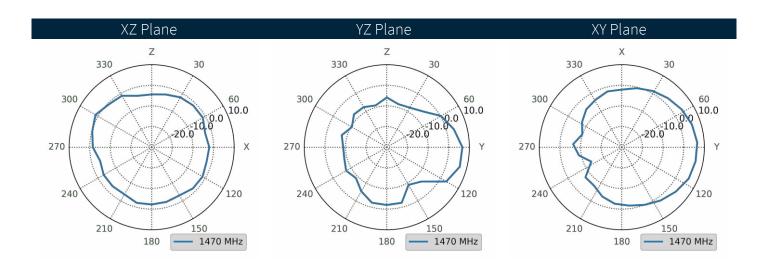
www.taoglas.com



34

4.26 Bent (Centre) 30x30cm Ground plane - Patterns at 1470 MHz

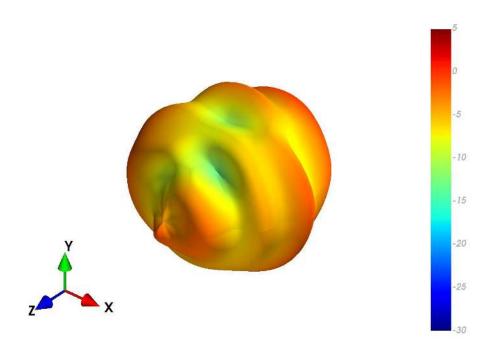


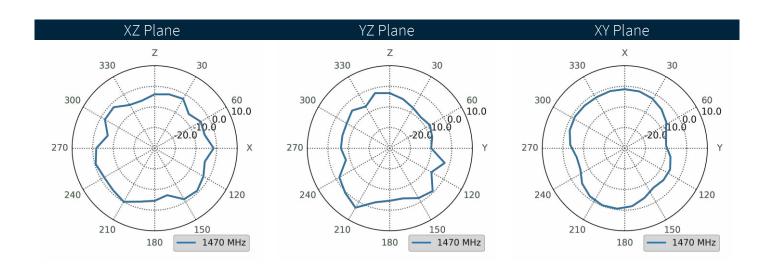


SPE-12-8-124-M www.taoglas.com



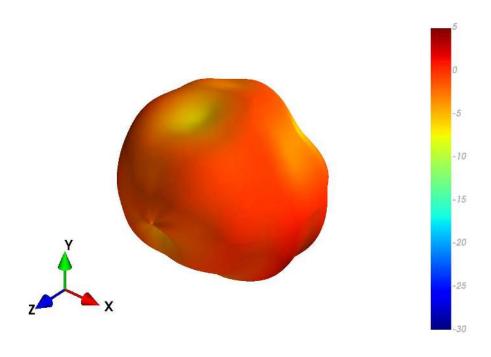
4.27 Bent in Free space - Patterns at 1470 MHz

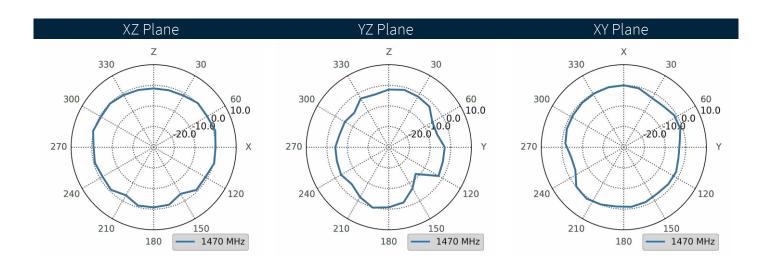






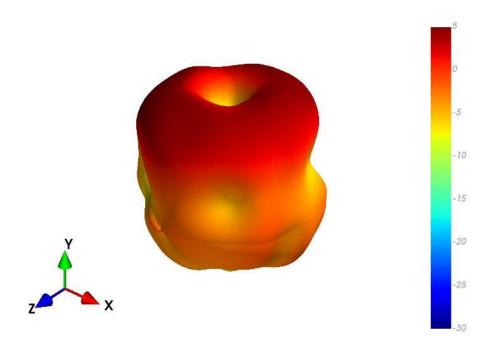
4.28 Bent (Edge) 30x30cm Ground plane - Patterns at 1470 MHz

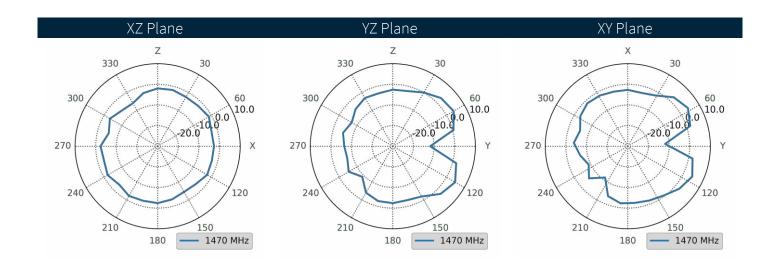






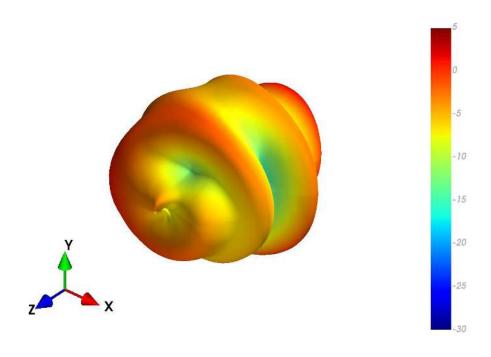
4.29 Straight (Centre) 30x30cm Ground plane - Patterns at 1470 MHz

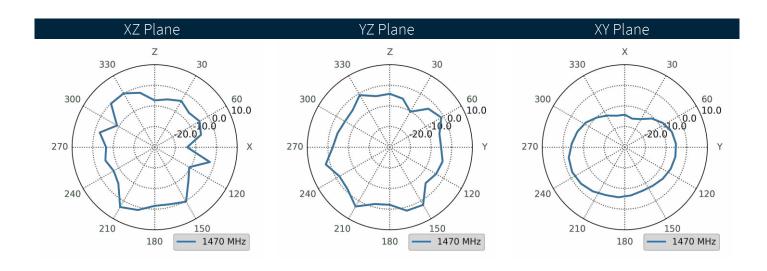






4.30 Straight in Free space - Patterns at 1470 MHz

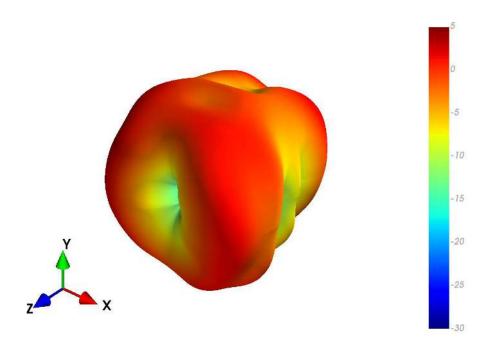


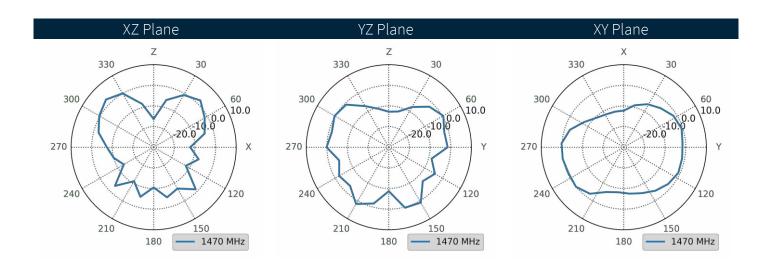


www.taoglas.com



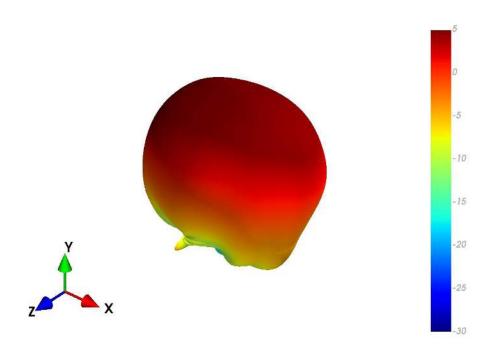
4.31 Straight (Edge) 30x30cm Ground plane - Patterns at 1470 MHz

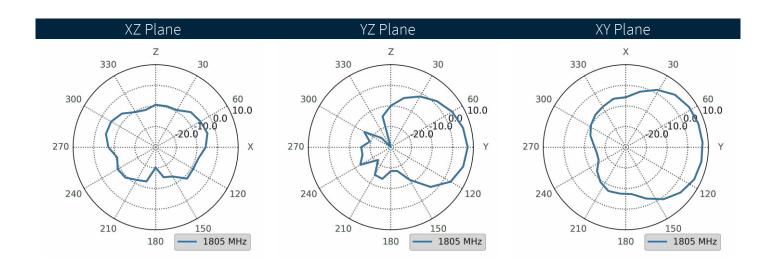






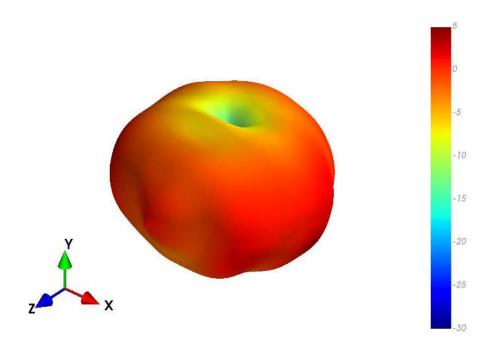
4.32 Bent (Centre) 30x30cm Ground plane - Patterns at 1805 MHz

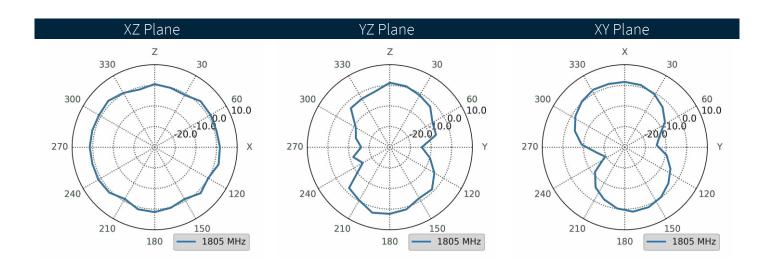






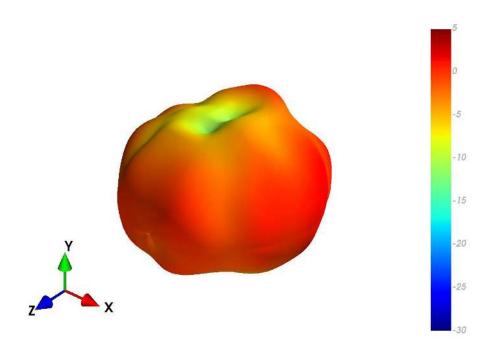
4.33 Bent in Free space - Patterns at 1805 MHz

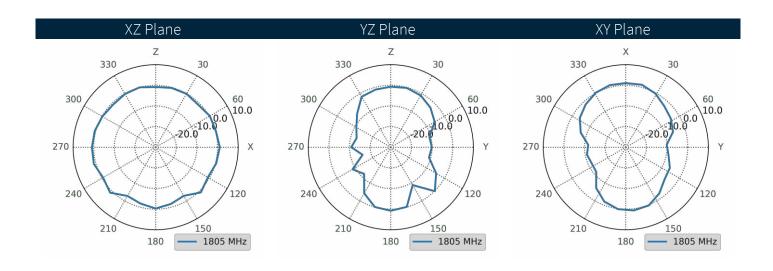






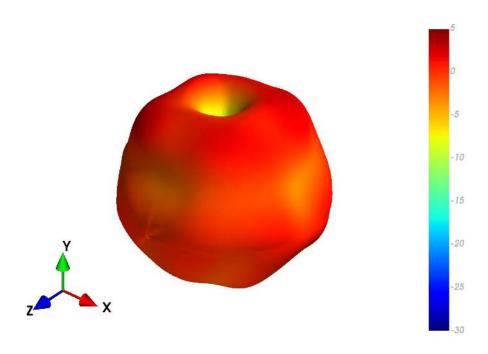
4.34 Bent (Edge) 30x30cm Ground plane - Patterns at 1805 MHz

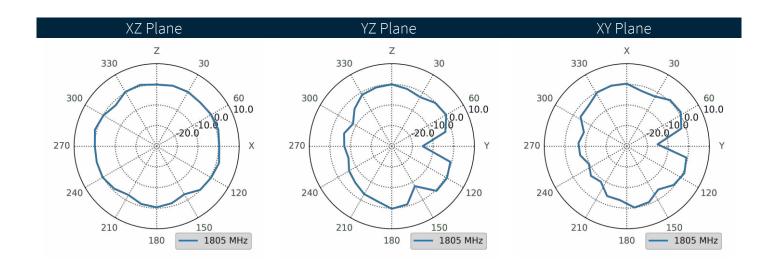






4.35 Straight (Centre) 30x30cm Ground plane - Patterns at 1805 MHz



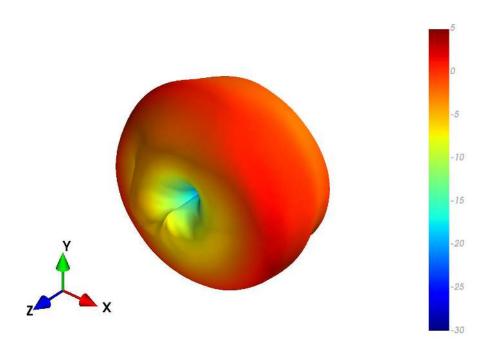


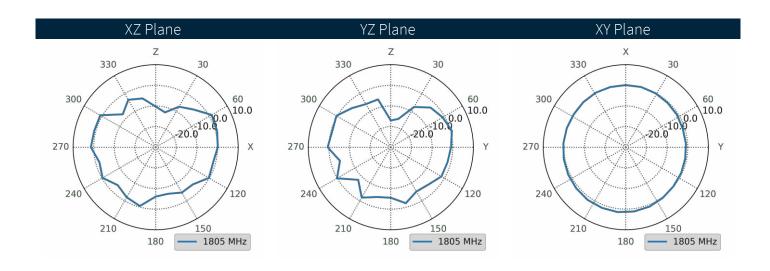
www.taoglas.com



4.36 Straight in Free space - Patterns at 1805 MHz

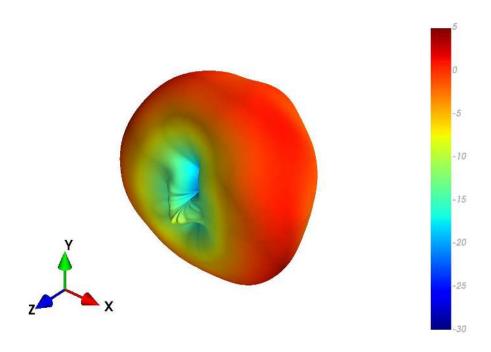
SPE-12-8-124-M

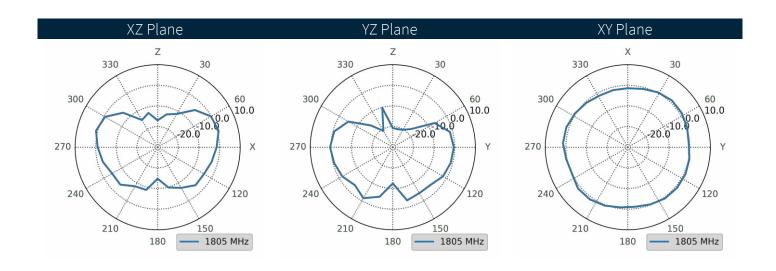






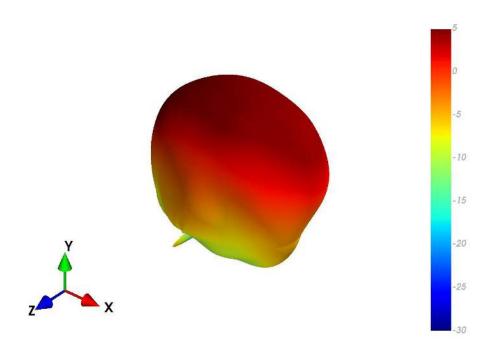
4.37 Straight (Edge) 30x30cm Ground plane - Patterns at 1805 MHz

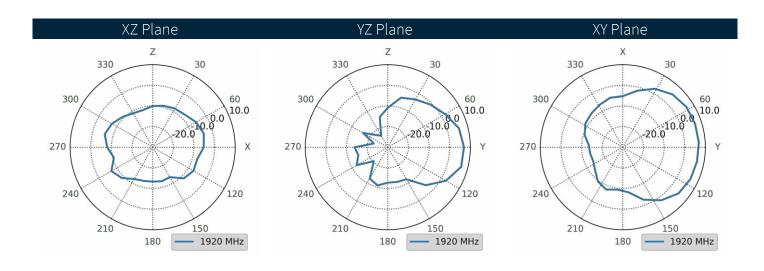






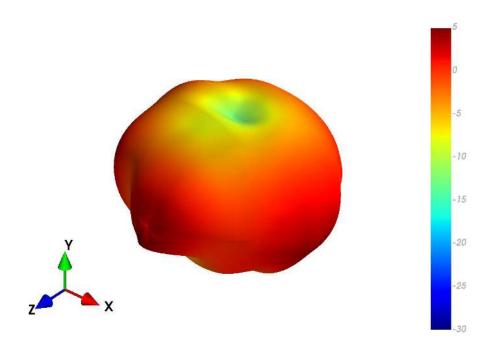
4.38 Bent (Centre) 30x30cm Ground plane - Patterns at 1920 MHz

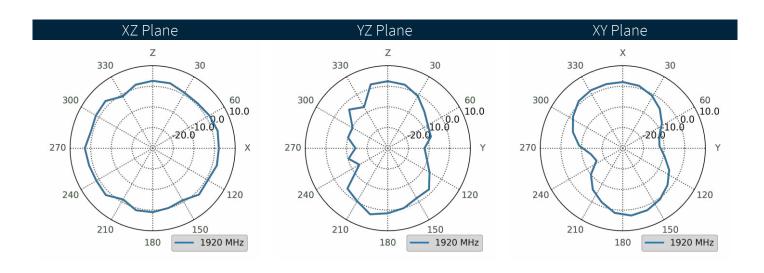






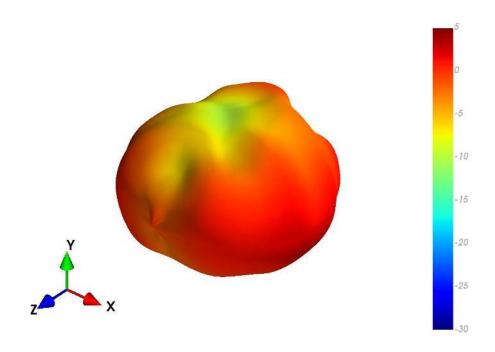
4.39 Bent in Free space - Patterns at 1920 MHz

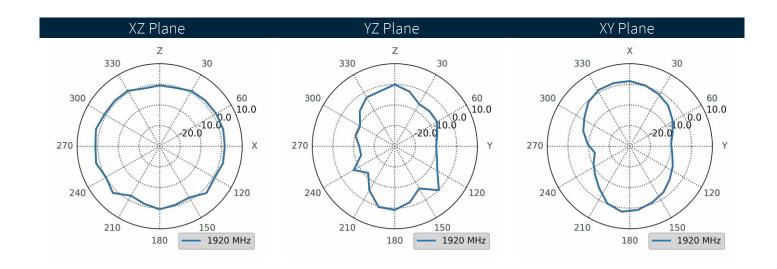






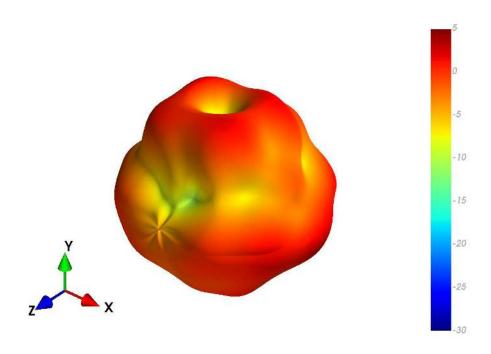
4.40 Bent (Edge) 30x30cm Ground plane - Patterns at 1920 MHz

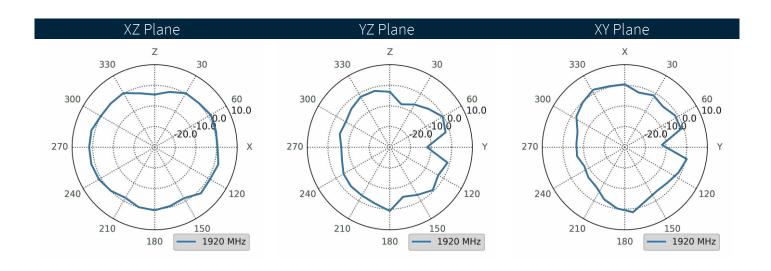






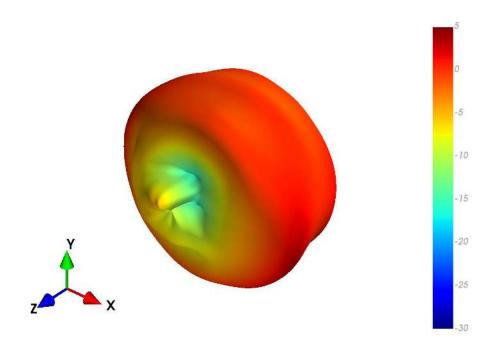
4.41 Straight (Centre) 30x30cm Ground plane - Patterns at 1920 MHz

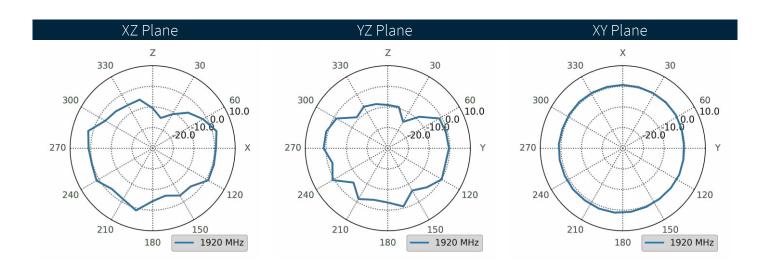






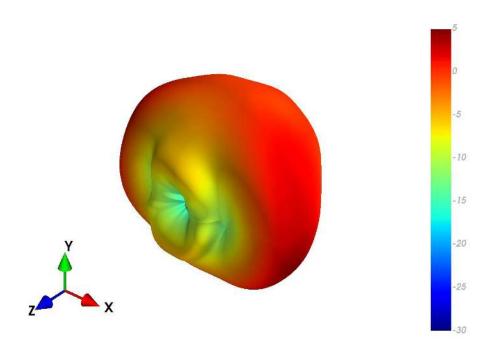
4.42 Straight in Free space - Patterns at 1920 MHz

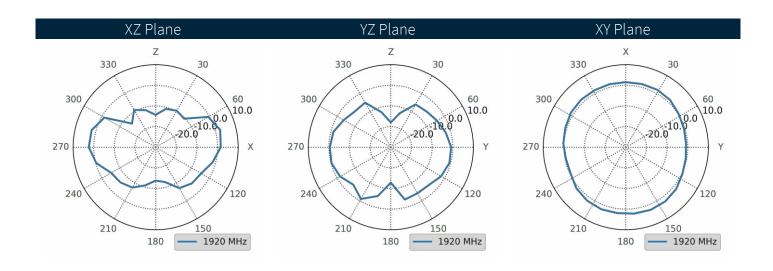






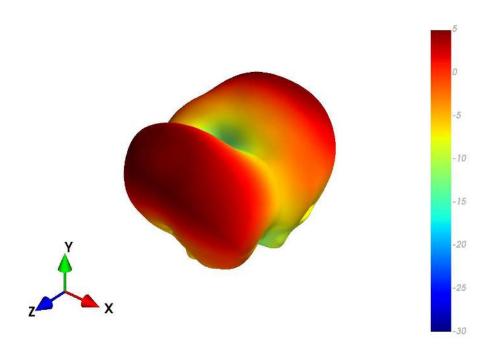
4.43 Straight (Edge) 30x30cm Ground plane - Patterns at 1920 MHz

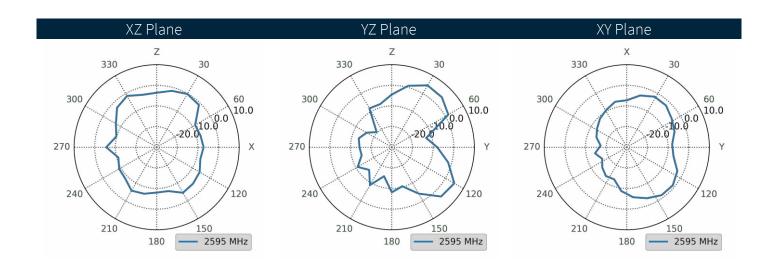






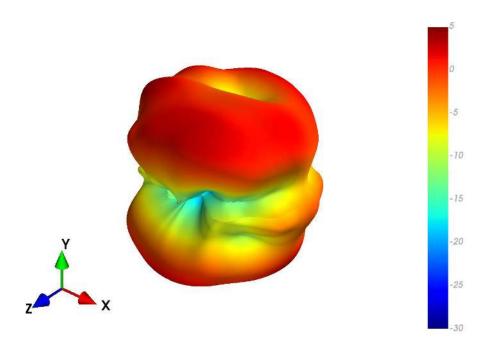
4.44 Bent (Centre) 30x30cm Ground plane - Patterns at 2595 MHz

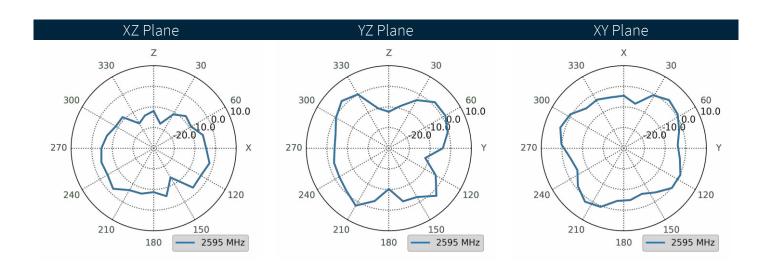






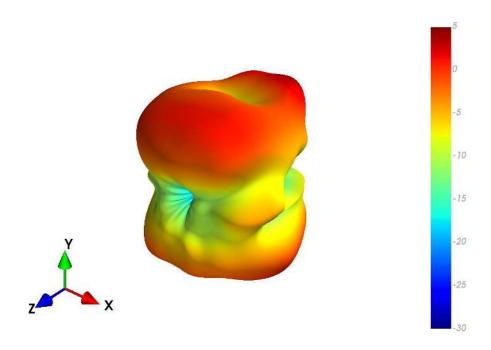
4.45 Bent in Free space - Patterns at 2595 MHz

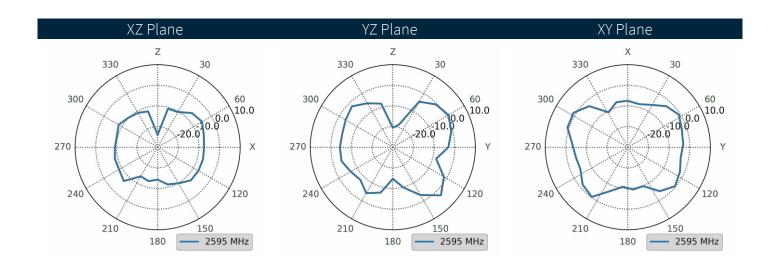






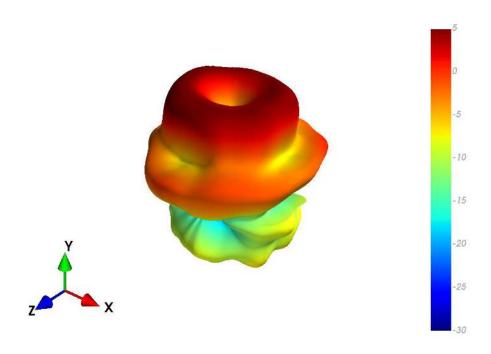
4.46 Bent (Edge) 30x30cm Ground plane - Patterns at 2595 MHz

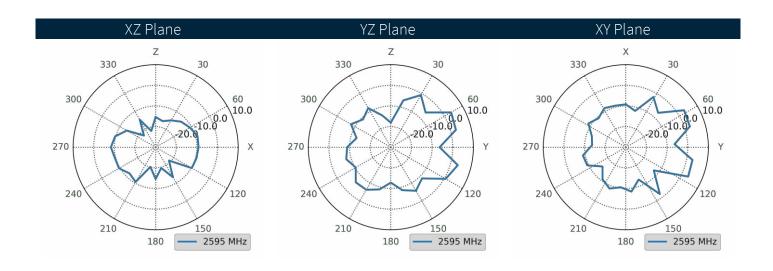






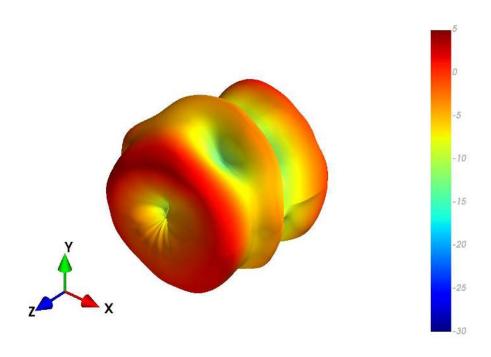
4.47 Straight (Centre) 30x30cm Ground plane - Patterns at 2595 MHz

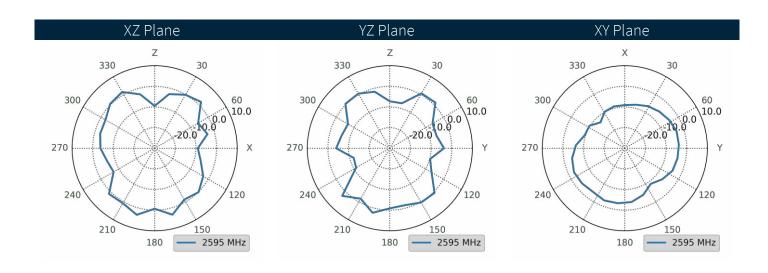






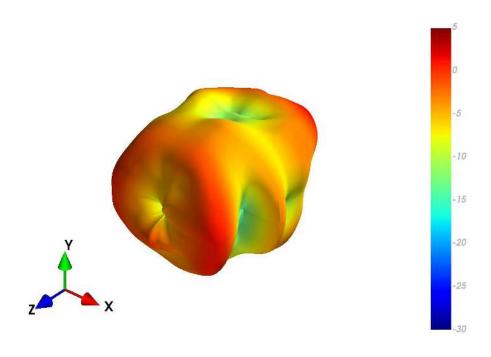
4.48 Straight in Free space - Patterns at 2595 MHz

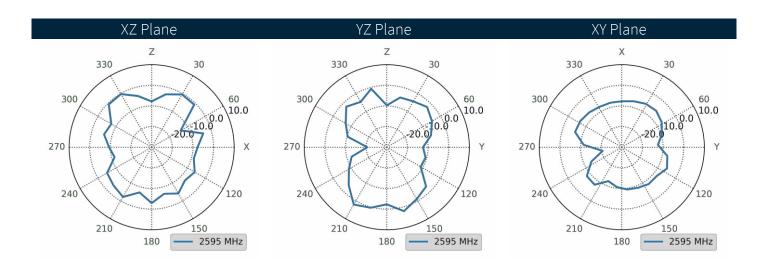






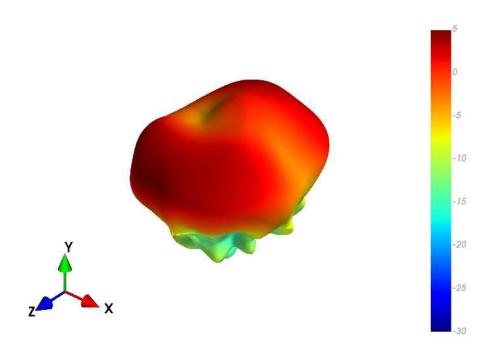
4.49 Straight (Edge) 30x30cm Ground plane - Patterns at 2595 MHz

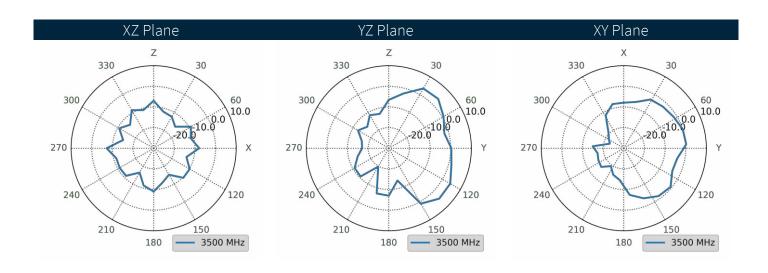






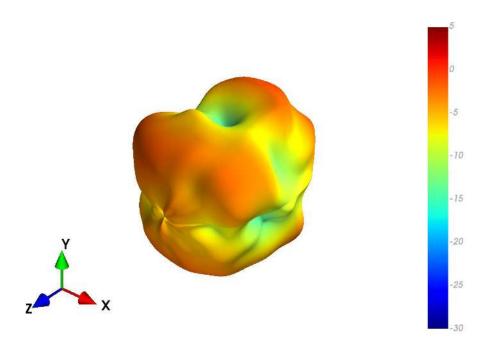
4.50 Bent (Centre) 30x30cm Ground plane - Patterns at 3500 MHz

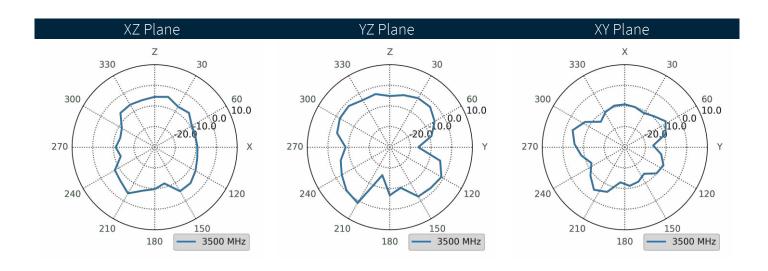






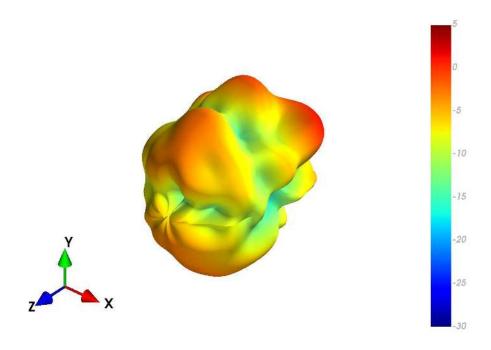
4.51 Bent in Free space - Patterns at 3500 MHz

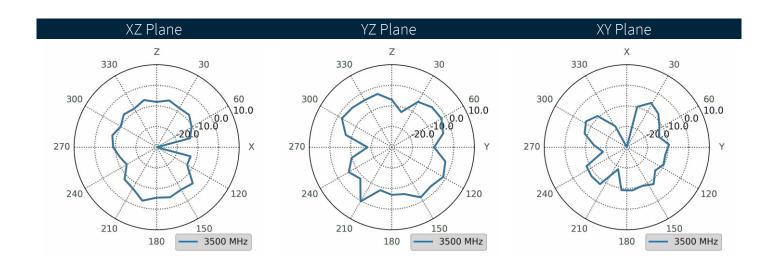






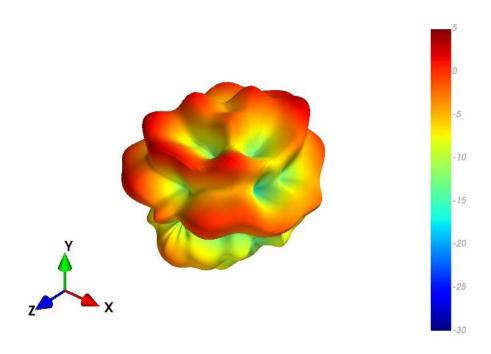
4.52 Bent (Edge) 30x30cm Ground plane - Patterns at 3500 MHz

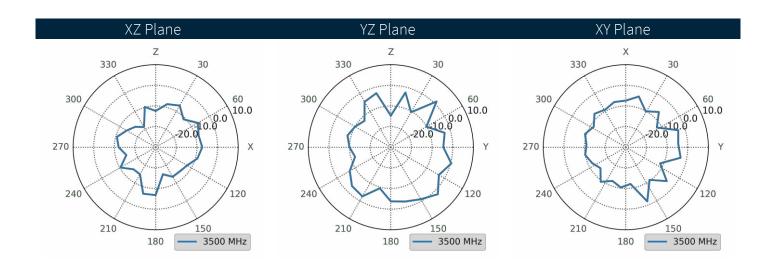






4.53 Straight (Centre) 30x30cm Ground plane - Patterns at 3500 MHz

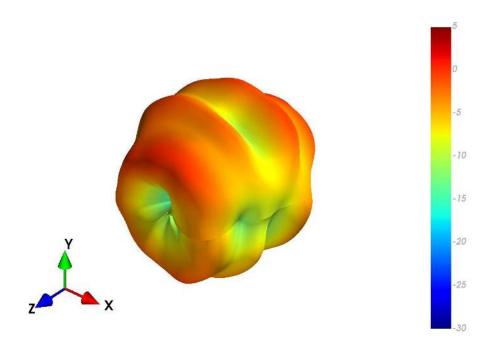


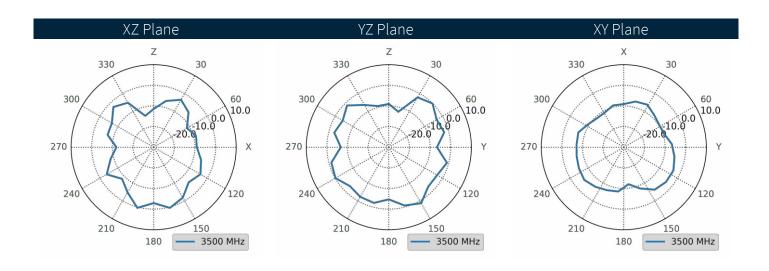


www.taoglas.com



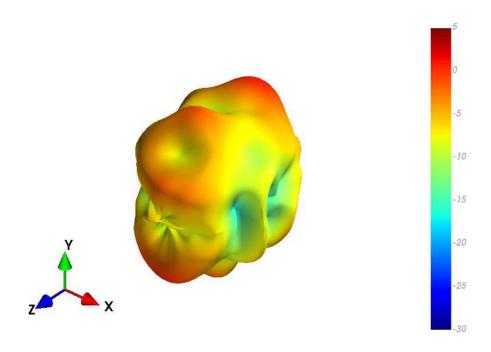
4.54 Straight in Free space - Patterns at 3500 MHz

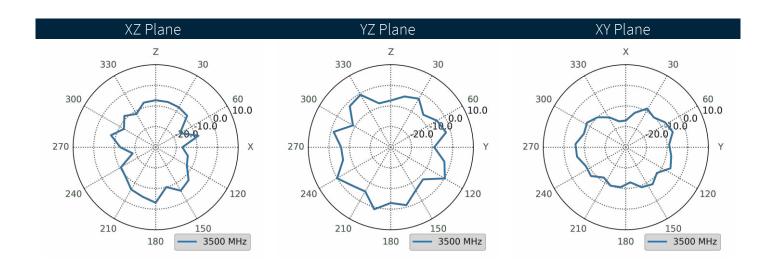






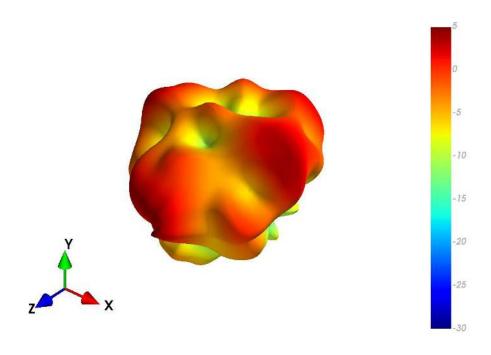
4.55 Straight (Edge) 30x30cm Ground plane - Patterns at 3500 MHz

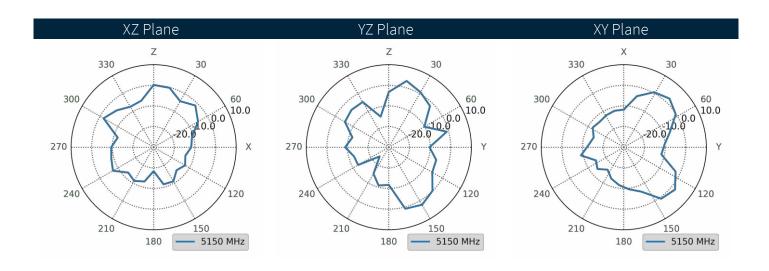






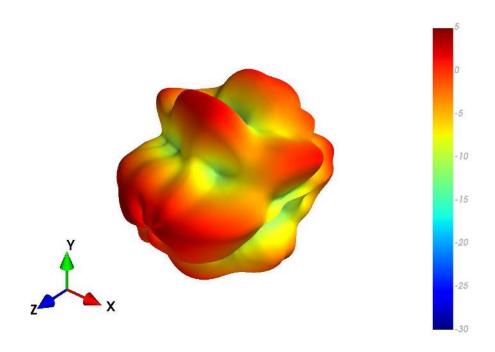
4.56 Bent (Centre) 30x30cm Ground plane - Patterns at 5150 MHz

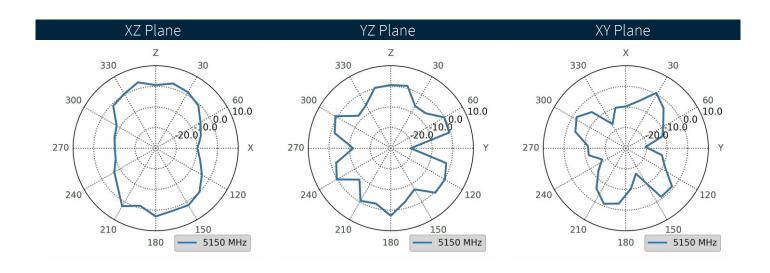






4.57 Bent in Free space - Patterns at 5150 MHz

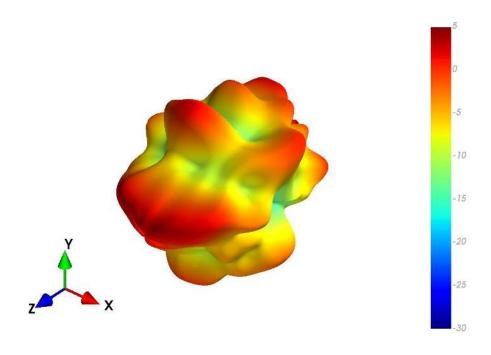


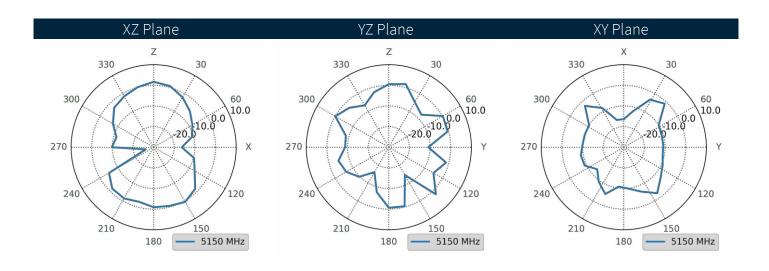


www.taoglas.com



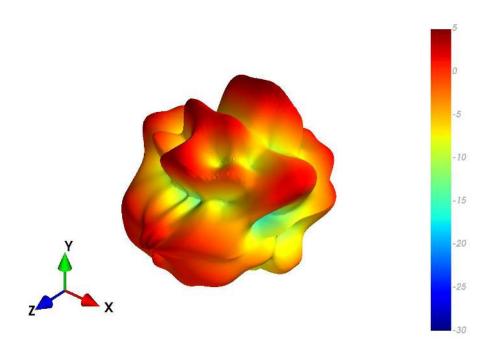
4.58 Bent (Edge) 30x30cm Ground plane - Patterns at 5150 MHz

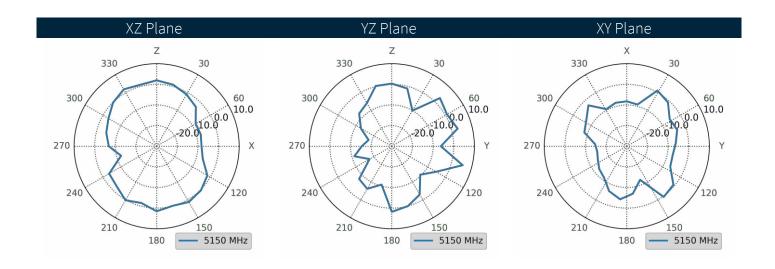






4.59 Straight (Centre) 30x30cm Ground plane - Patterns at 5150 MHz

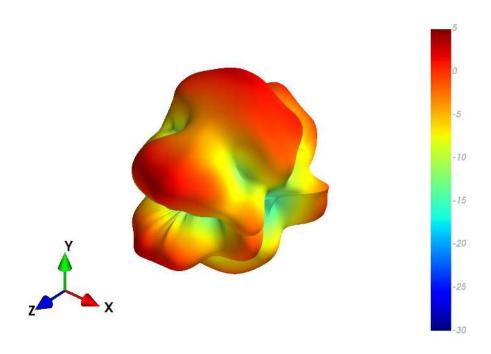


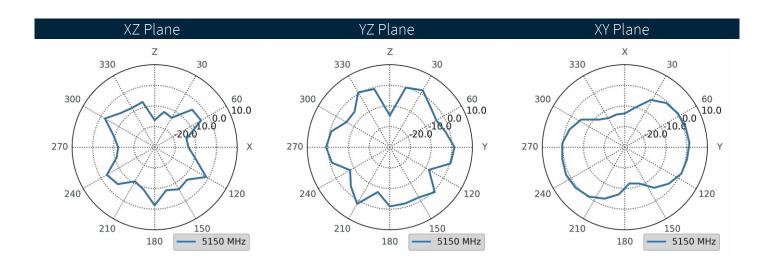




4.60 Straight in Free space - Patterns at 5150 MHz

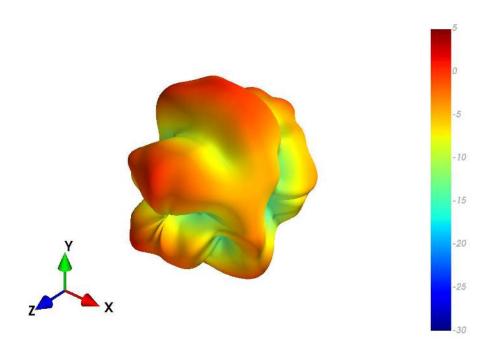
SPE-12-8-124-M

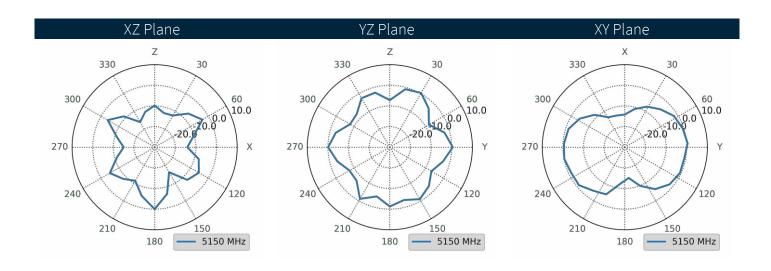






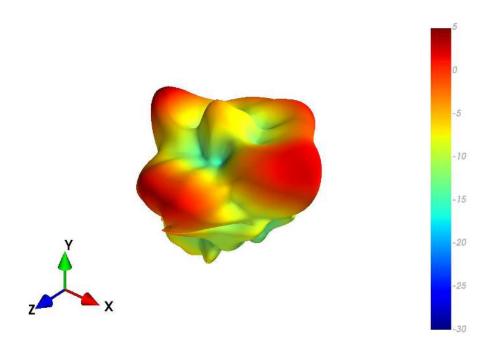
4.61 Straight (Edge) 30x30cm Ground plane - Patterns at 5150 MHz

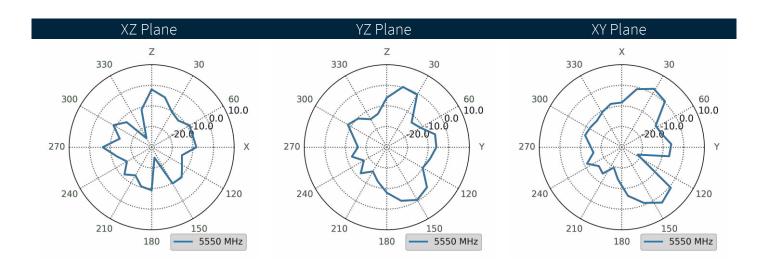






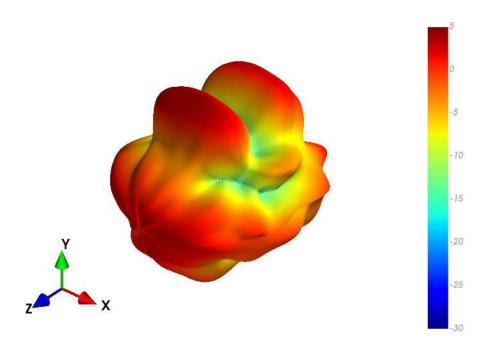
4.62 Bent (Centre) 30x30cm Ground plane - Patterns at 5550 MHz

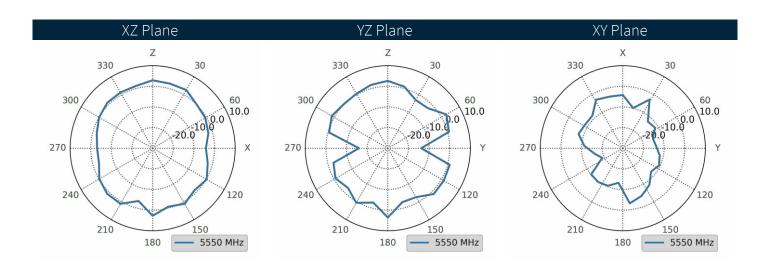






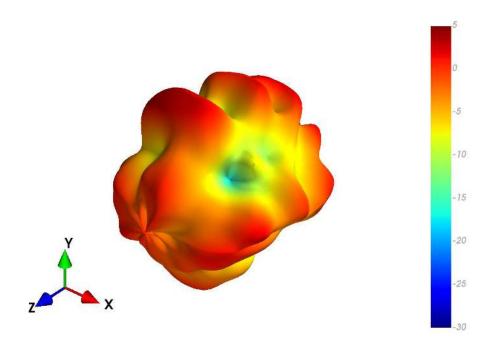
4.63 Bent in Free space - Patterns at 5550 MHz

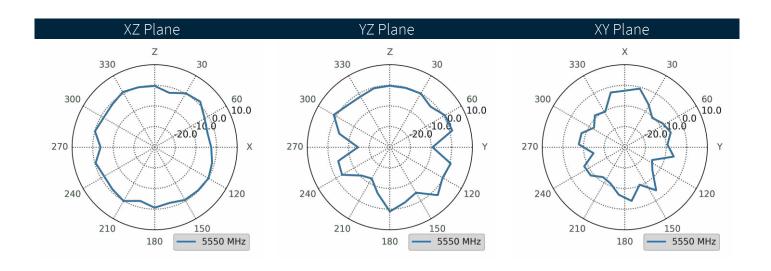






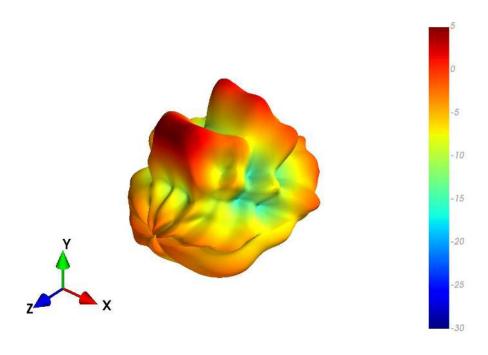
4.64 Bent (Edge) 30x30cm Ground plane - Patterns at 5550 MHz

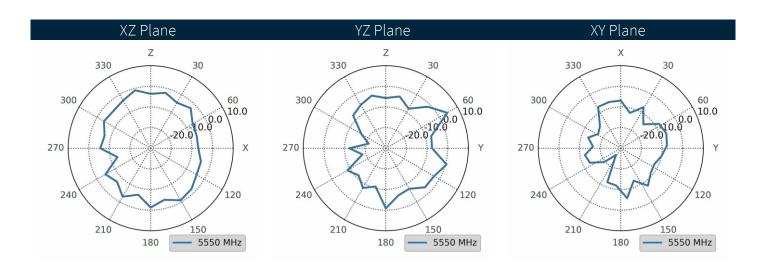






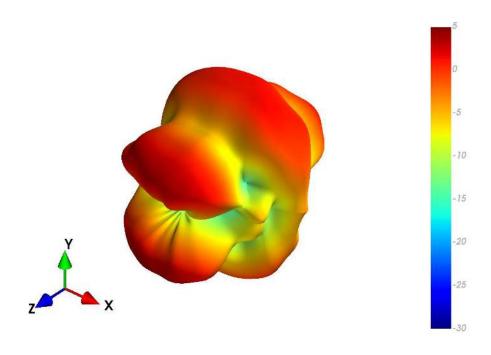
4.65 Straight (Centre) 30x30cm Ground plane - Patterns at 5550 MHz

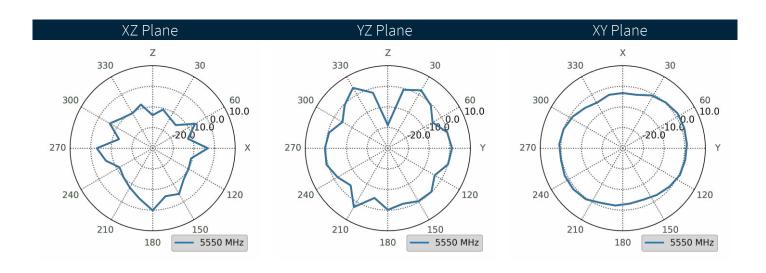






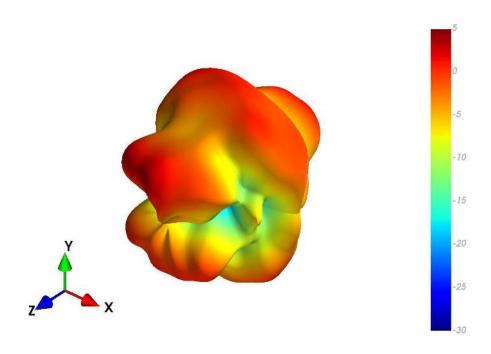
4.66 Straight in Free space - Patterns at 5550 MHz

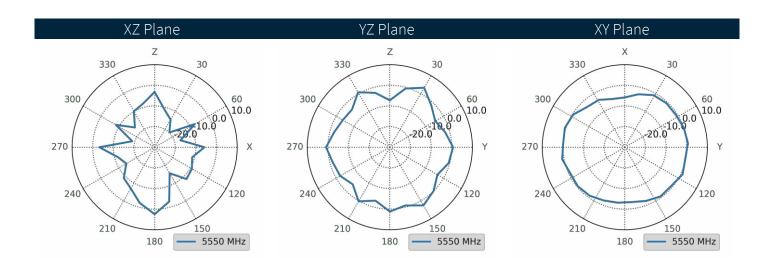






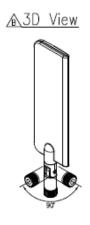
4.67 Straight (Edge) 30x30cm Ground plane - Patterns at 5550 MHz

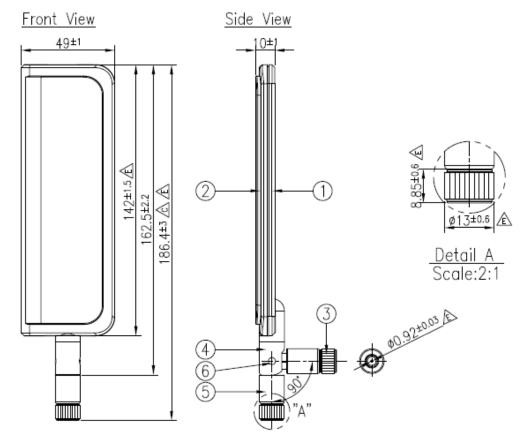






Mechanical Drawing





NOTES:

All material must be RoHS compliant.
 Open/short, insertion loss QC required.
 The connectors have a fixed orientation to each other.

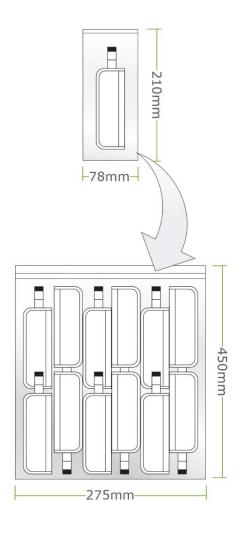
		Name	P/N	Material	Finish	QIY	
	1	Housing_Bottom_Hinge	000112E020020A	ABS	Black	1	
	2	Housing_Top	000112E000020A	ABS	Black	1	
ΔĄ	3	SMA(M)ST	210212L010020A	Brass .	Black	1	
Æ	4	Hinge_Top	000112E040020A	Nylon Æ	Black	1	
	5	Hinge_Bottom	000112E030020A	PC+PBT Æ	Black	1	
	6	Rotary Shaft	000611I000002A	Brass	Black	2	



6. Packaging

1pc TG.30.8113 per Small PE Bag Small PE Bag Dimensions - 210*78mm Weight - 127g

50pcs TG.30.8113 per Large PE Bag Large PE Bag Dimensions - 450*275mm Weight - 6.35Kg





Changelog for the datasheet

SPE-12-8-124 - TG.30.8113

Revision: M (Current Version)		
Date:	2023-01-12	
Changes:	Adding band 40 to spec table.(Full datasheet update).	
Changes Made by:	Gary West	

Previous Revisions

Revision: L		
Date:	2022-09-26	
Changes:	Updated specifications	
Changes Made by:	Cesar Sousa	

Revision: G		
Date:	2018-05-08	
Changes:		
Changes Made by:	Technical Writer	

Revision: K		
Date:	2022-04-04	
Changes:	Full datasheet template update and show data 600-6000.	
Changes Made by:	Gary West	

Revision: F		
Date:	2018-03-23	
Changes:		
Changes Made by:	Technical Writer	

Revision: J		
Date:	2018-08-16	
Changes:		
Changes Made by:	Technical Writer	

Revision: E		
Date:	2018-03-13	
Changes:		
Changes Made by:	Technical Writer	

Revision: I		
Date:	2018-08-14	
Changes:	Change to IP Rating - Removed	
Changes Made by:	David Connolly	

Revision: D		
Date:	2017-05-10	
Changes:		
Changes Made by:	Technical Writer	

Revision: H		
Date:	2018-06-14	
Changes:	Re-tested "Bent on Ground Planer Edge" configuration and results are much improved and consistent with the other three test configuration results.	
Changes Made by:	Technical Writer	

Revision: C		
Date:	2017-04-04	
Changes:	Updated Spec with LTE table	
Changes Made by:	Andy Mahoney	



Previous Revisions

Revision: B		Revision: A	Povision: A	
Date:	2017-01-13	Date:	2012-10-02	
Changes:	201/ 01-13	Changes:	2012 10-02	
Changes Made by:	Technical Writer	Changes Made by:	Technical Writer	





