

4~6Ghz Flexible Cable Antenna

MODEL: TH-4060



1.. GENERAL DESCRIPTION

Model No
TH4060-SMA(M)

1.1 Electrical Properties

Parameter	Description
Frequency Band	4000~6000MHz
Nominal Impedance	50 ohm
Polarization	Vertical
V.S.W.R	2.0:1

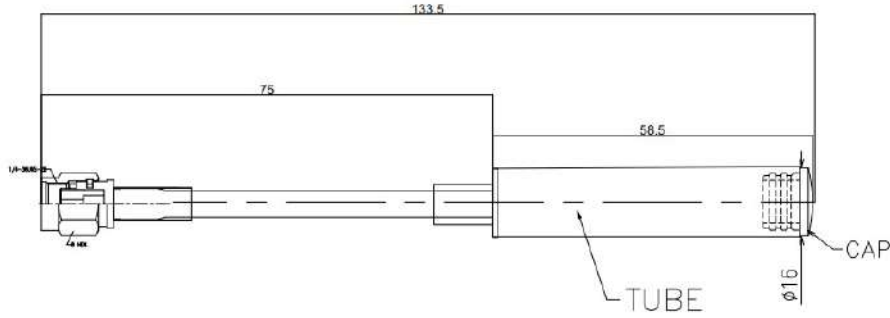
1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Material	ASA
Touch Type	Screw Type
Connector Type	SMA connector (Male) / RG402 Cable
Antenna Dimensions	OD16 x133.5mm \pm 3
Weight	30g
Antenna Color	Black
Operating Temperature Range	-40°C~+85°C
Storage Temperature Range	-40°C~+85°C
Waterproof	IP67

1 2 3 4

REV	DESCRIPTION	DRAWN/DATE	CHECK/DATE	APPROVED/DATE
A	RELEASE	IVY/2023.08.15	NICK/2023.08.15	ROBERT/2023.08.15

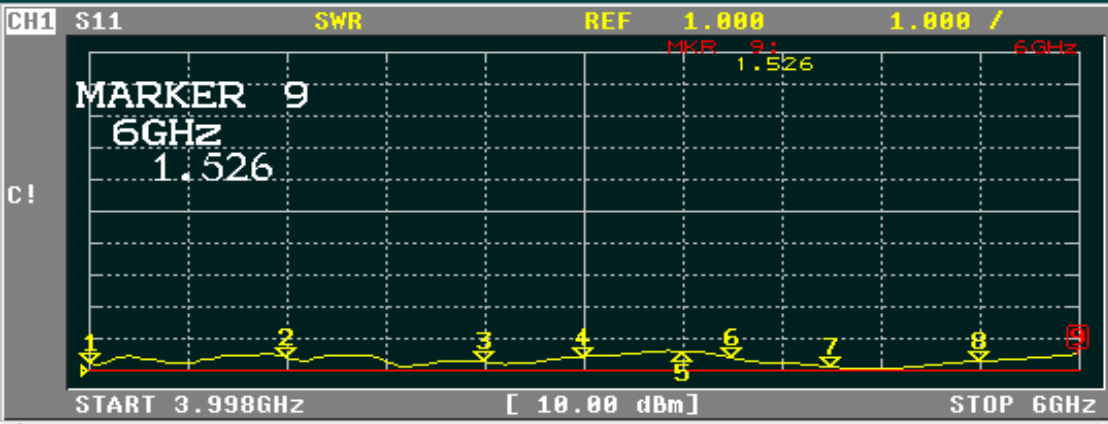
A
B
C
BOM
D



THIS DRAWING IS A CONTROLLED DOCUMENT		DRAWN	DATE	百展科技有限公司	
GENERAL TOLERANCE: ANGLES: 135°/45°		IVY	08.11.5	TH4060-SMA(M)	
X	±0.30	CHECKED	DATE		
J	±0.25	NICK	08.11.5		
XX	±0.15		2023		
XXX	±0.05		2023		
UNLESS OTHERWISE SPECIFIED		APPROVED	DATE		
1. SURF. ALL DIMS. TO MAX.		ROBERT	08.11.5		
2. DIMENSIONS IN PARENTHESES ARE FOR REFERENCE ONLY.			2023		
3. DIMENSIONS ON CONTOUR COINERS TO BE TO CENTER WITH 2.5 ± 0.1					
4. MACHINE SURFACE FINISHES					
5. DIMENSIONS ON CONTOUR COINERS TO BE TO CENTER WITH 2.5 ± 0.1					
6. ALL DIMENSIONS ARE AFTER PLATING					
MATERIAL	FINISH	UNIT	mm (INCHES)	SIZE	PART NO.
SEE BOM	SEE BOM			A3	
		REV	-A		
		RFQ NO :	1120207		
		SHEET	1	OF	1
		SCALE	1:1		
		FILE NO.	0073-SCHEM-8		

ITEM	ITEM NAME	MATERIAL	QTY/EA	FINISH	REMARK
5	heat shrink tubing	Glue-containing	2	BLACK	
4	Cable	RG402	1	BLUE	
3	CAP	ASA	1	BLACK	
2	TUBE	ASA	1	BLACK	
1	SMA PLUG	BRASS	1	AJ	





CH1 MARKER LIST

1:	4.000 000GHz	1.197
2:	4.400 000GHz	1.383
3:	4.800 000GHz	1.282
4:	5.000 000GHz	1.439
5:	5.200 000GHz	1.607
6:	5.300 000GHz	1.388
7:	5.500 000GHz	1.113
8:	5.800 000GHz	1.296
9:	6.000 000GHz	1.526
10:		

ACTIVATE MARKER

MARKER 6

MARKER 7

MARKER 8

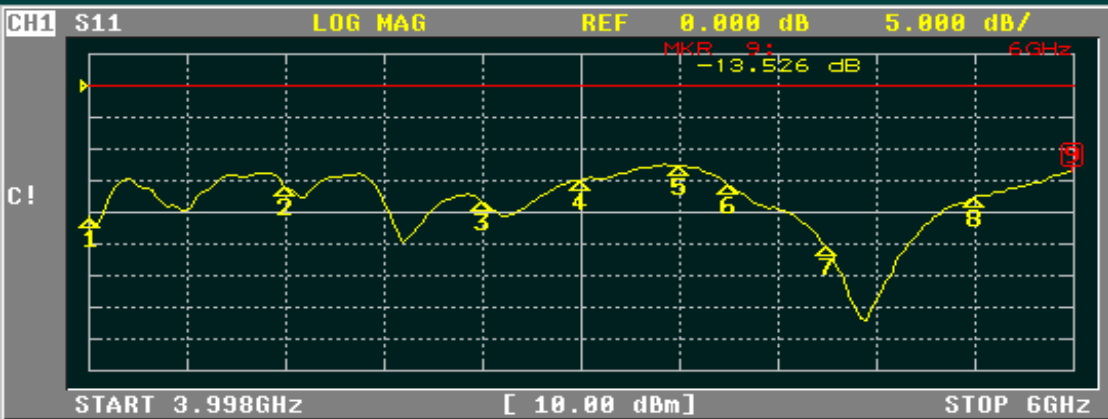
MARKER 9

MARKER 10

ACTIVATE MKR OFF

Return

More 2/2



CH1 MARKER LIST

1:	4.000 000GHz	-21.049 dB
2:	4.400 000GHz	-15.887 dB
3:	4.800 000GHz	-18.249 dB
4:	5.000 000GHz	-14.937 dB
5:	5.200 000GHz	-12.649 dB
6:	5.300 000GHz	-15.644 dB
7:	5.500 000GHz	-25.454 dB
8:	5.800 000GHz	-17.655 dB
9:	6.000 000GHz	-13.526 dB
10:		

FORMAT

LOG MAG

PHASE

DELAY

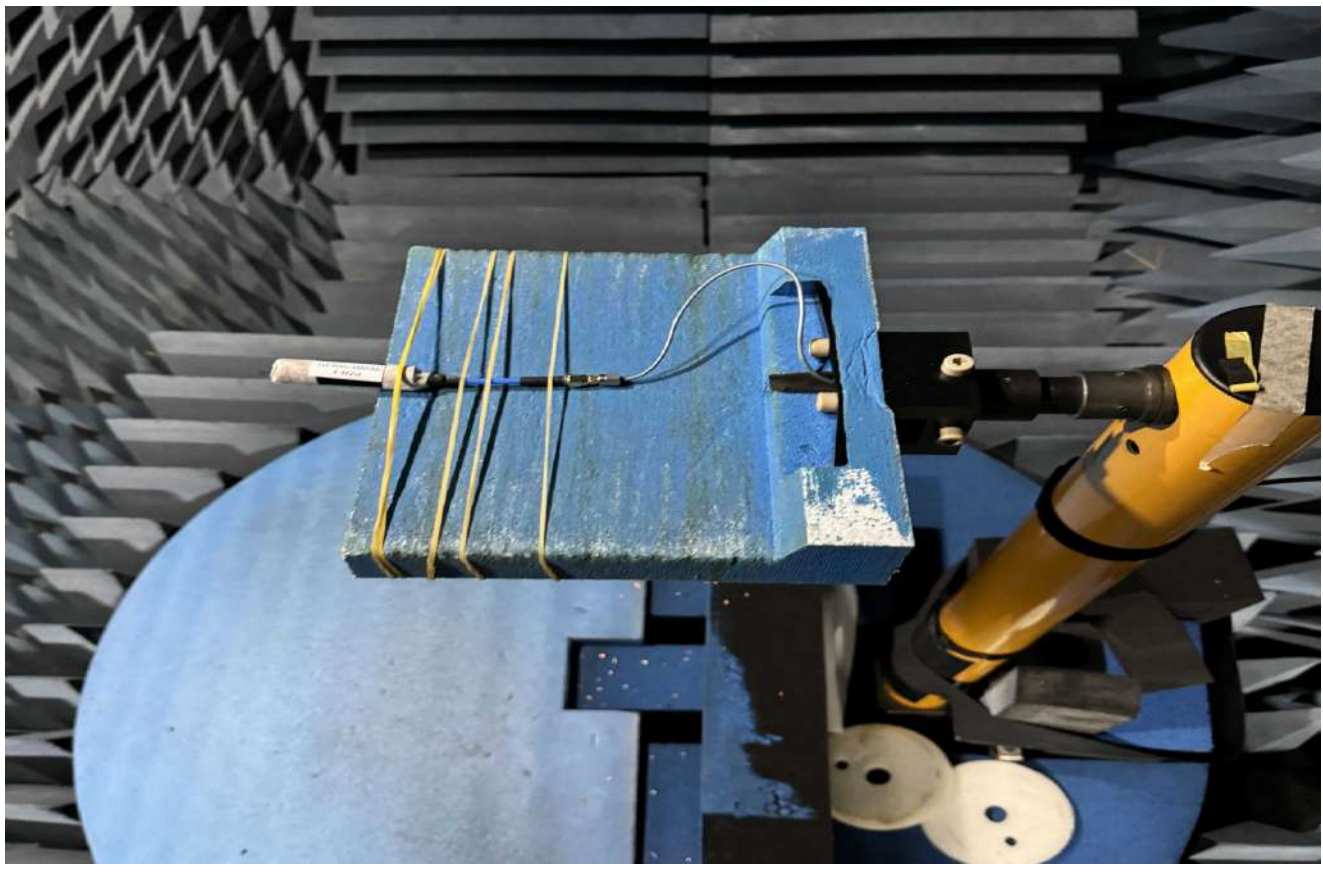
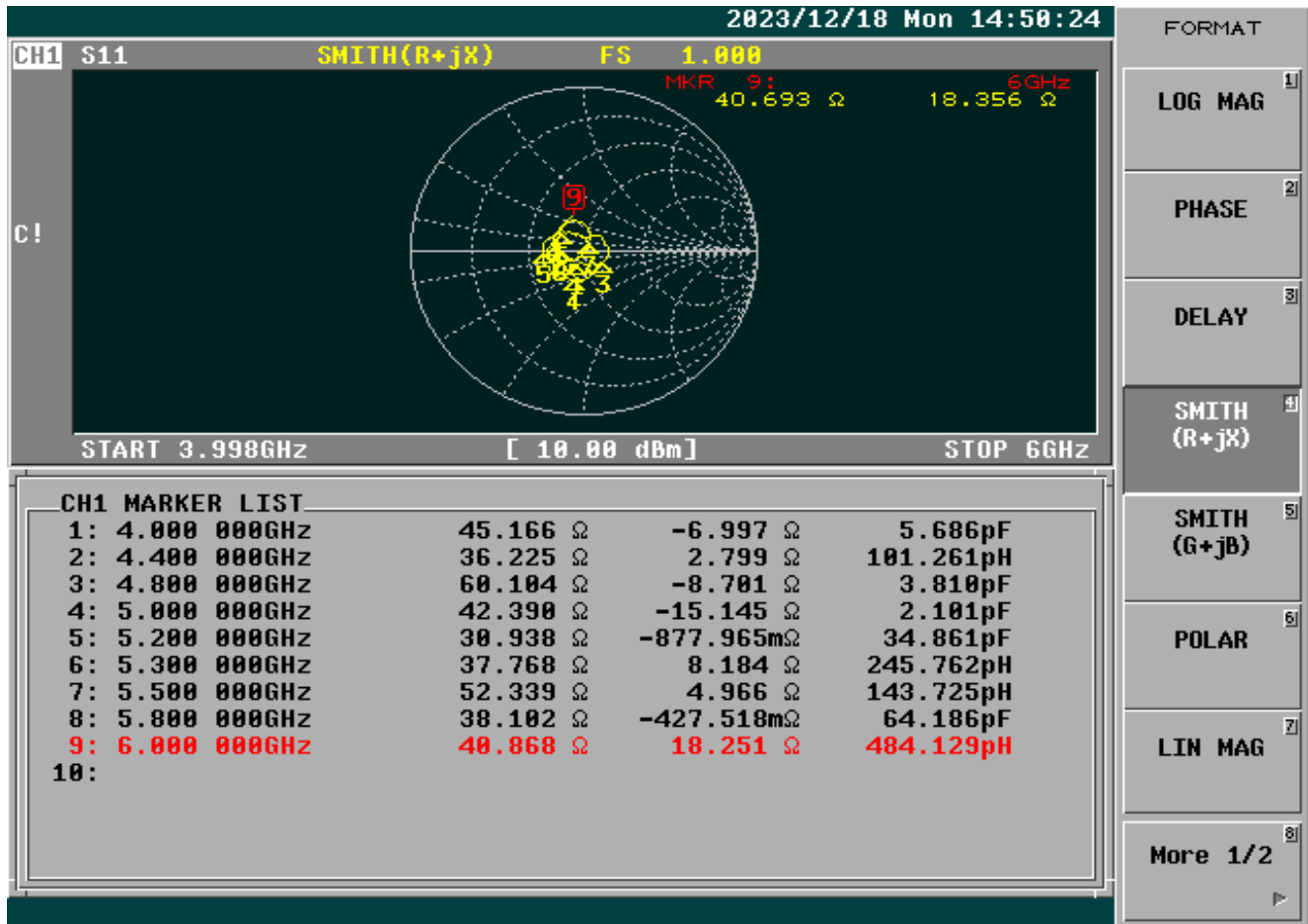
SMITH (R+jX)

SMITH (G+jB)

POLAR

LIN MAG

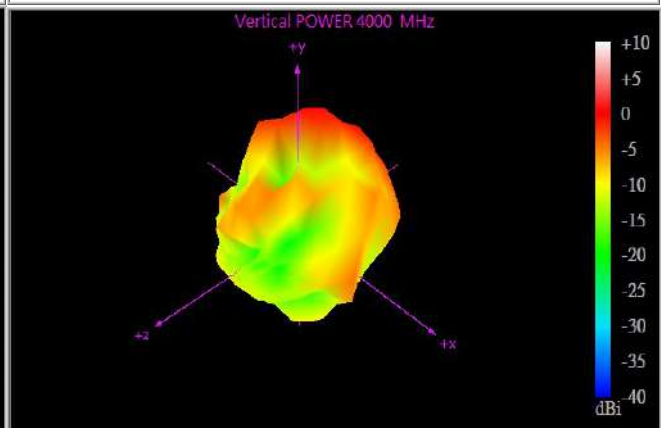
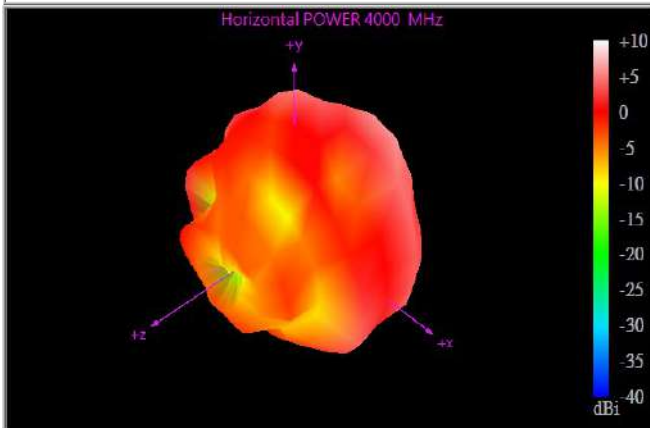
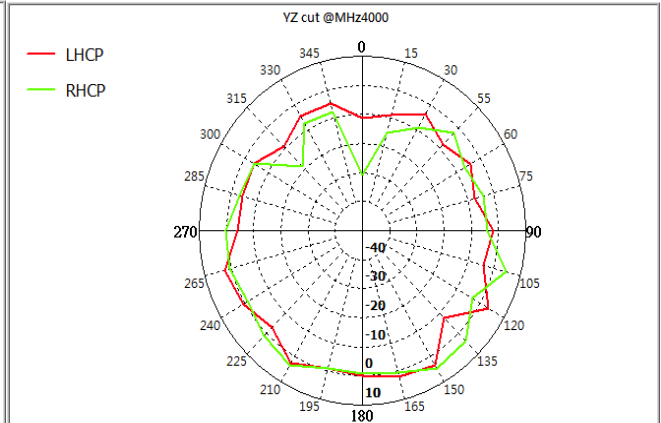
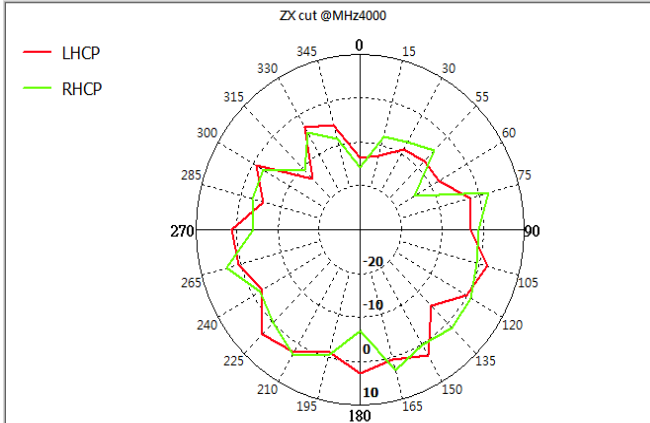
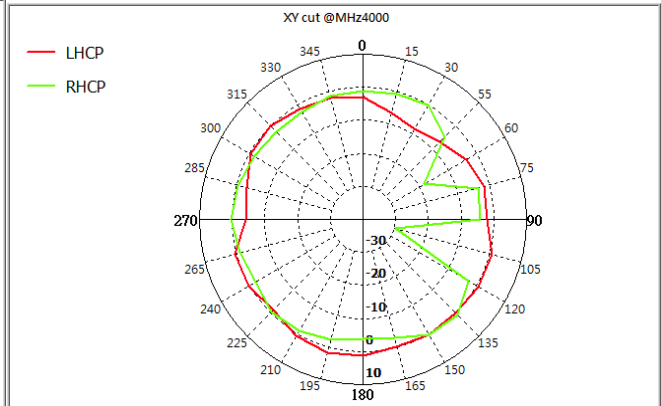
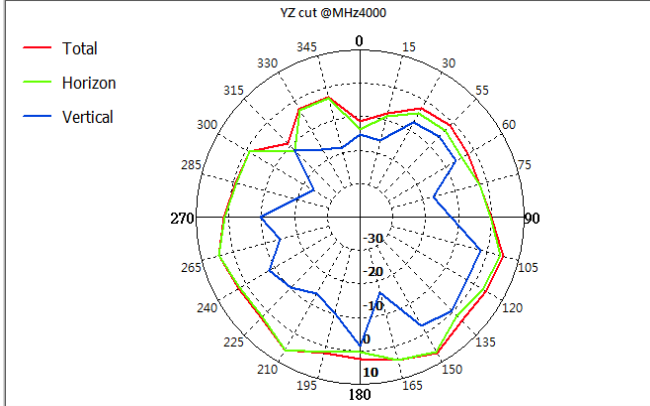
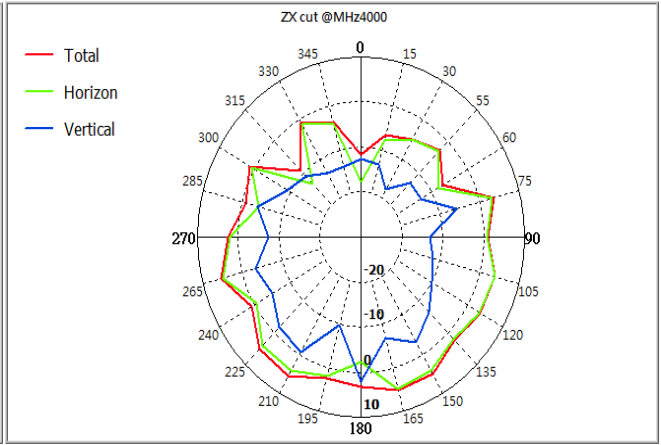
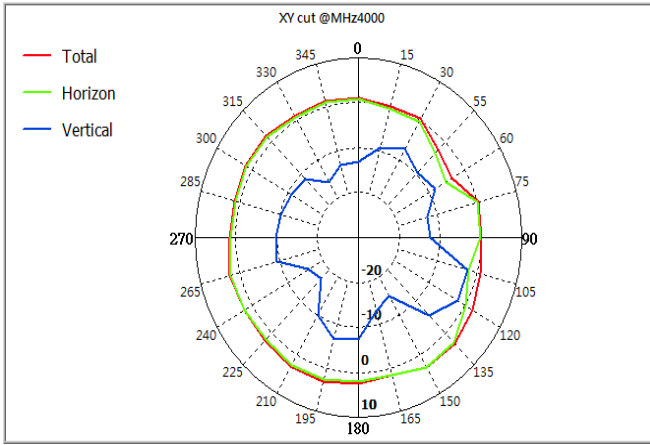
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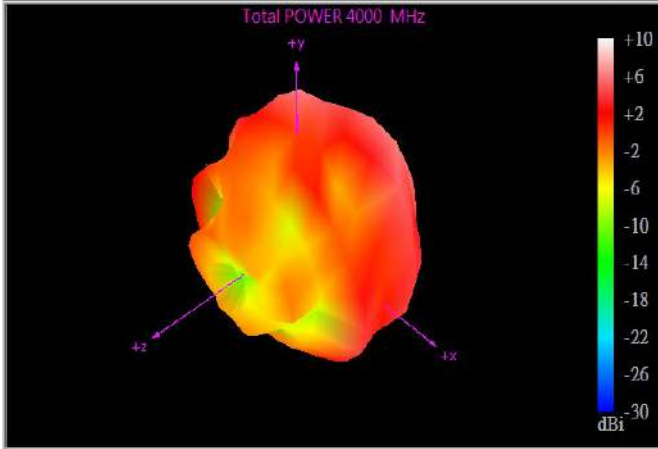
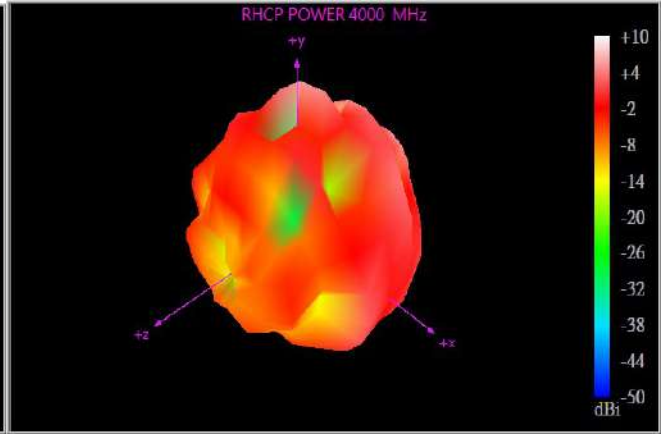
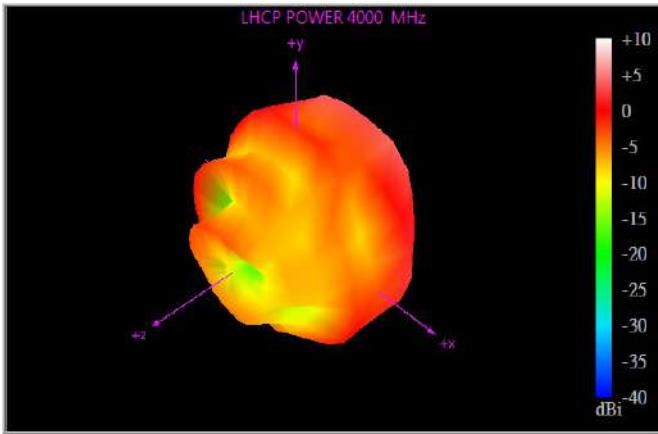


3D Total

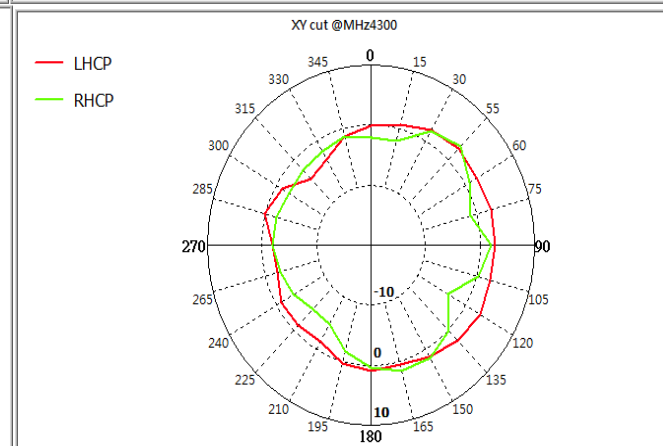
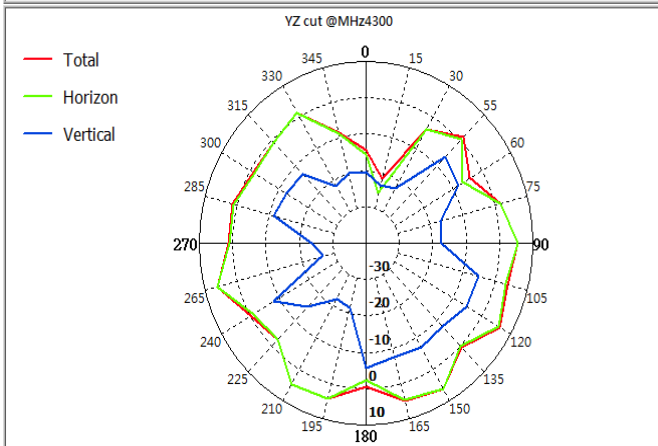
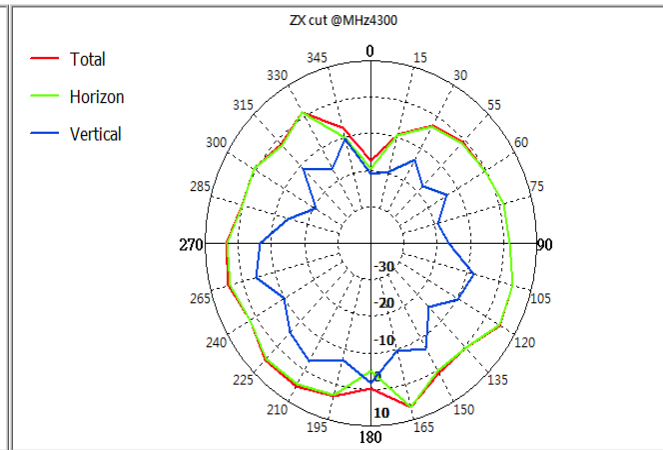
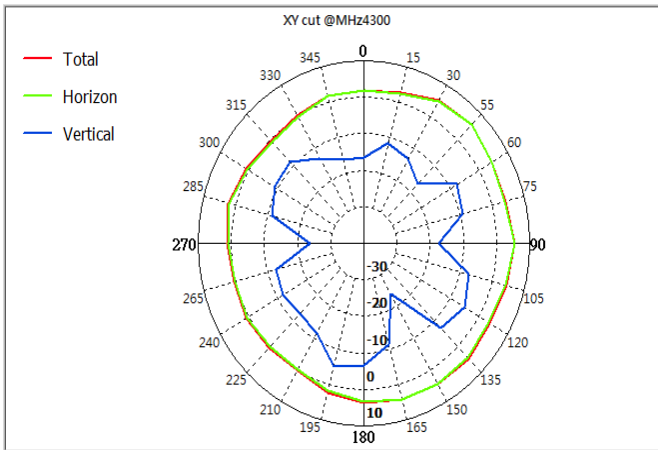
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
4000 MHz	-4.3	0.66	-1.64	68.55	8.09	-1.64
4050 MHz	-3.2	1.52	-1.72	67.30	9.29	-1.72
4100 MHz	-5.47	-1.07	-2.23	59.84	6.79	-2.23
4200 MHz	-5.24	-1.6	-2.54	55.72	6.32	-2.54
4300 MHz	-2.82	0.55	-1.3	74.13	7.17	-1.3
4400 MHz	-5.81	-2.58	-3.39	45.81	4.33	-3.39
4500 MHz	-6.95	-3.59	-1.94	63.94	3.69	-1.94
4600 MHz	-6.83	-3.77	-2.02	62.75	3.56	-2.02
4750 MHz	-5.37	-3.57	-1.37	72.99	3.79	-1.37
4850 MHz	-4.1	-2.93	-0.47	89.76	3.83	-0.47
4900 MHz	-4.34	-3.45	-0.86	81.99	3.41	-0.86
5150 MHz	-4.6	-5.21	-1.88	64.8	1.52	-1.88
5250 MHz	-5.89	-6.02	-2.95	50.74	1.54	-2.95
5350 MHz	-5.1	-5.37	-2.23	59.91	0.9	-2.23
5470 MHz	-5	-5.92	-2.43	57.19	0.84	-2.43
5600 MHz	-4.22	-5.91	-1.97	63.48	1.51	-1.97
5785 MHz	-4.31	-6.92	-2.41	57.37	1.2	-2.41
5800 MHz	-4.67	-7.32	-2.79	52.62	1.35	-2.79
5850 MHz	-4.23	-7.11	-2.42	57.23	1.87	-2.42
5900 MHz	-2.75	-5.83	-1.01	79.19	2.77	-1.01
5950 MHz	-0.38	-3.75	-1.26	74.82	4.79	-1.26
6000 MHz	-4.04	-7.42	-2.4	57.57	1.47	-2.4

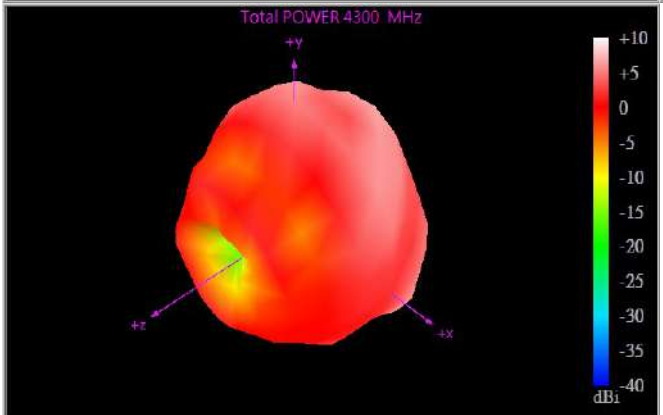
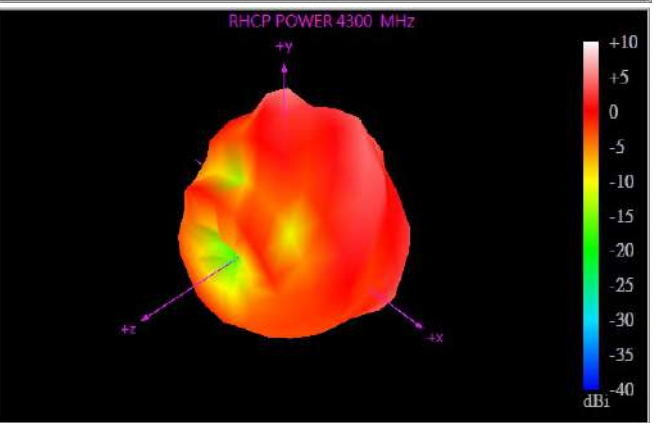
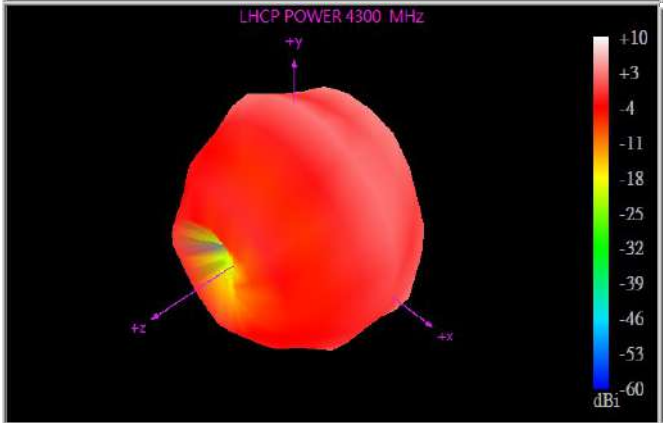
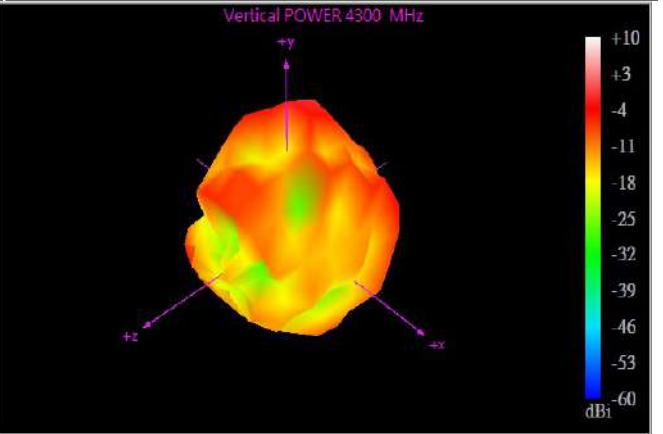
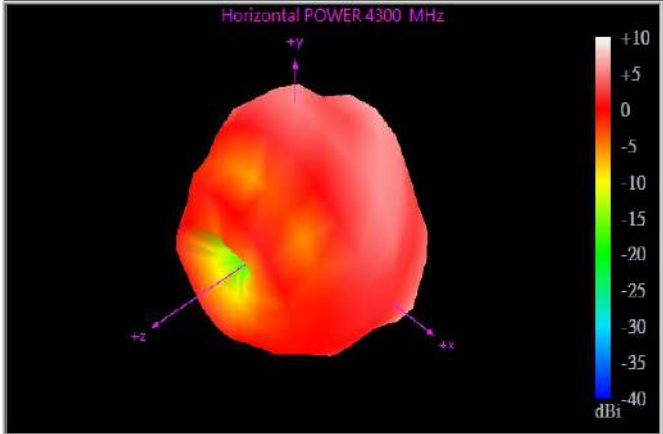
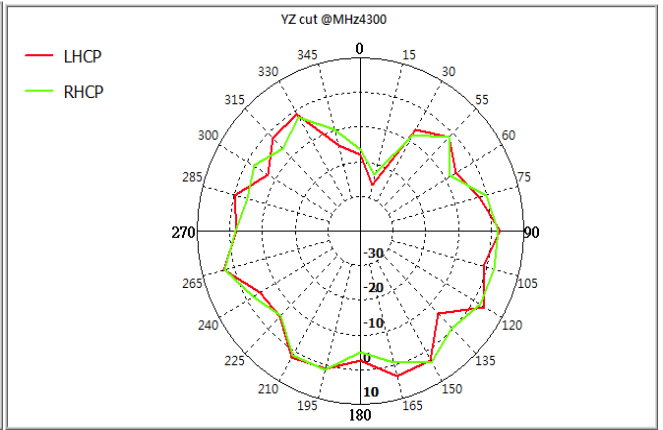
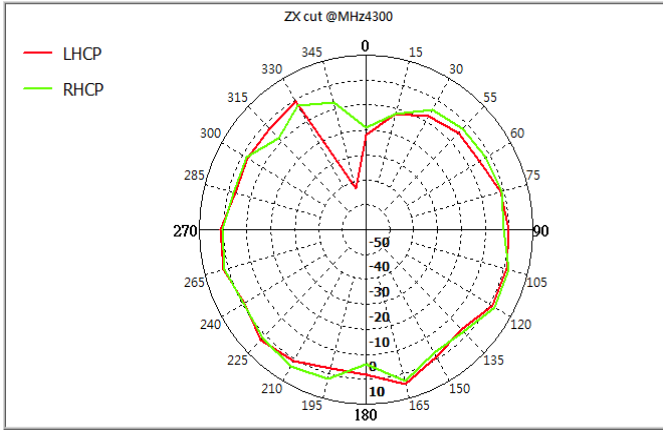
4000Mhz:



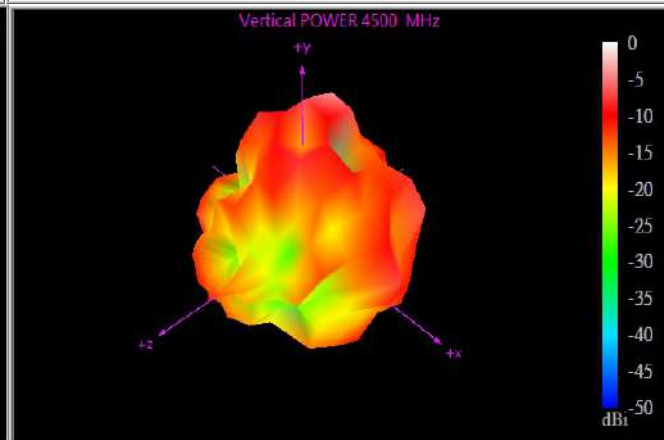
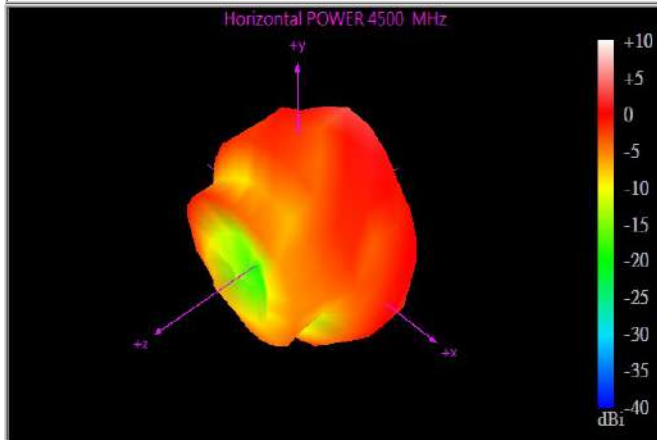
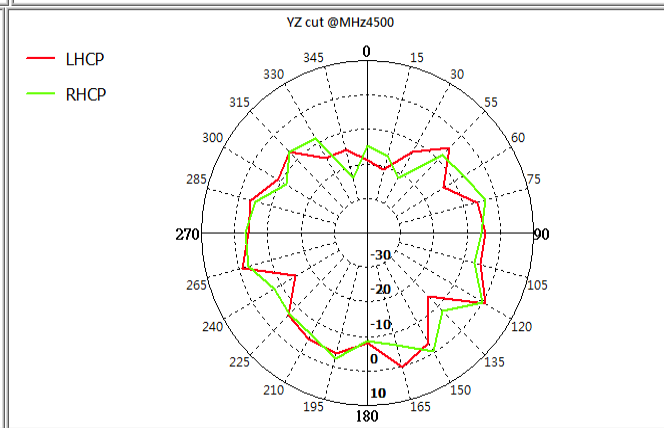
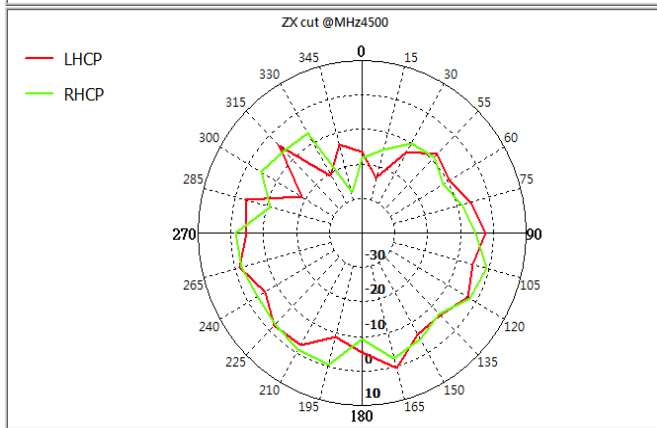
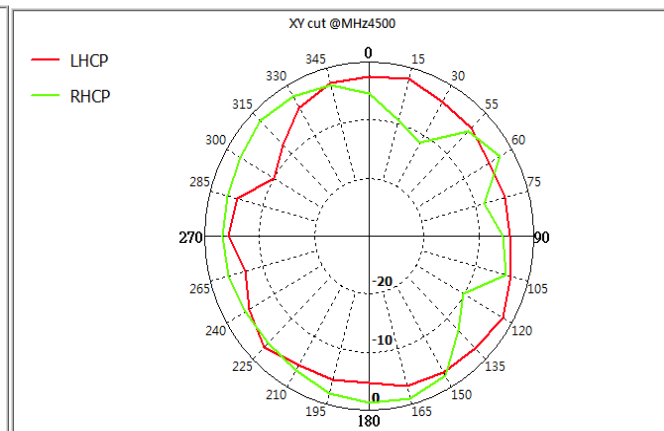
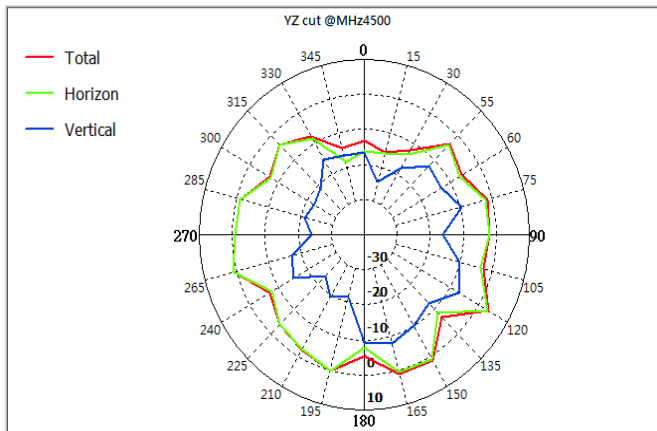
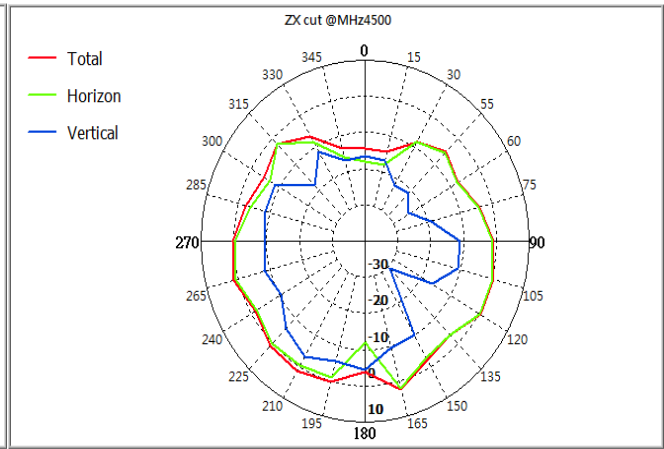
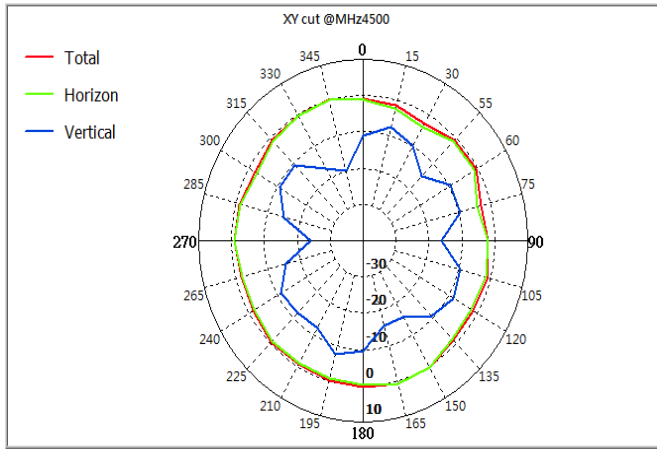


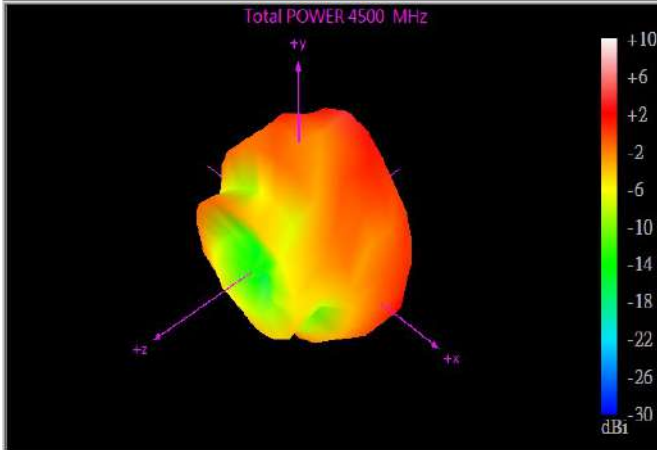
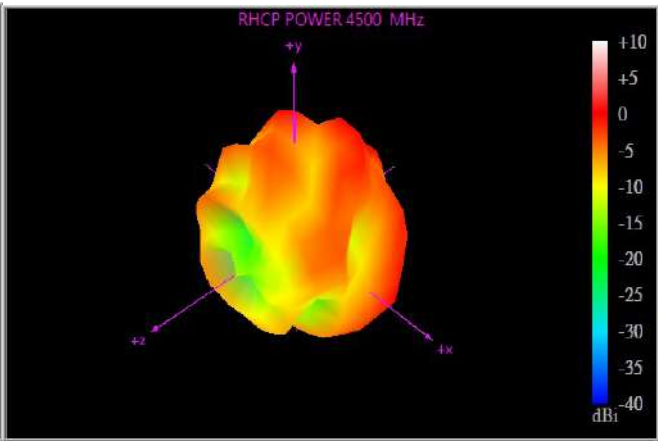
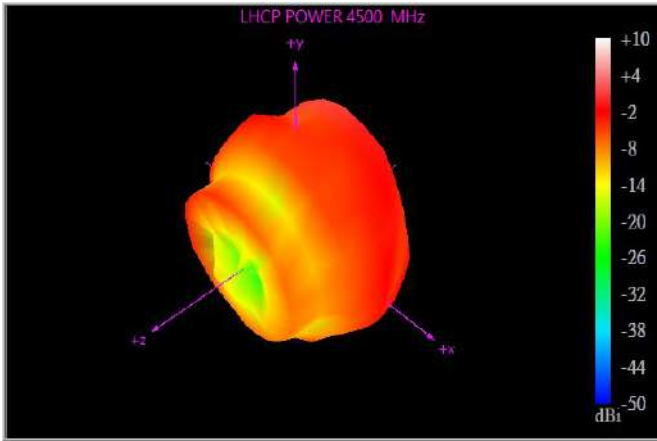
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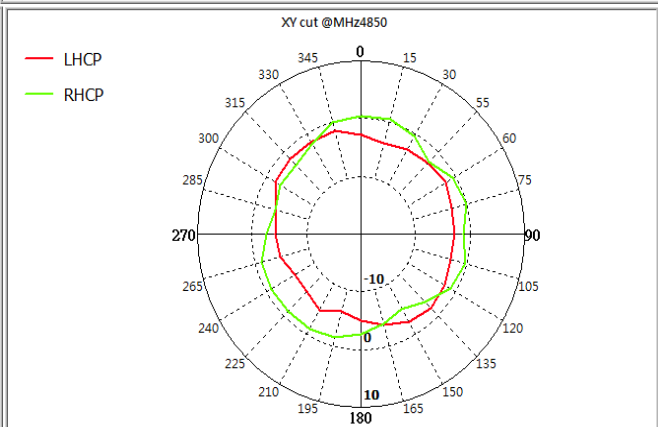
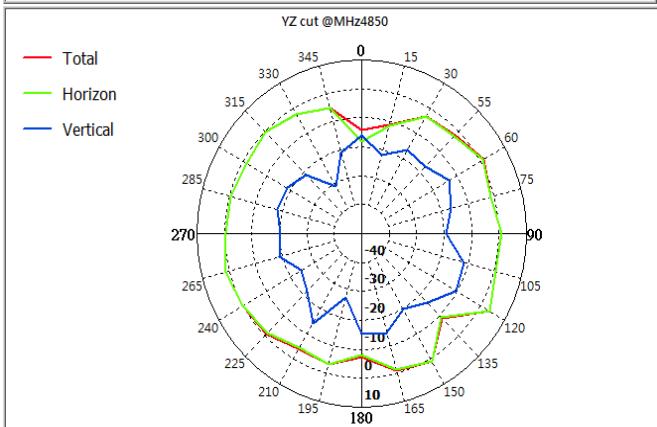
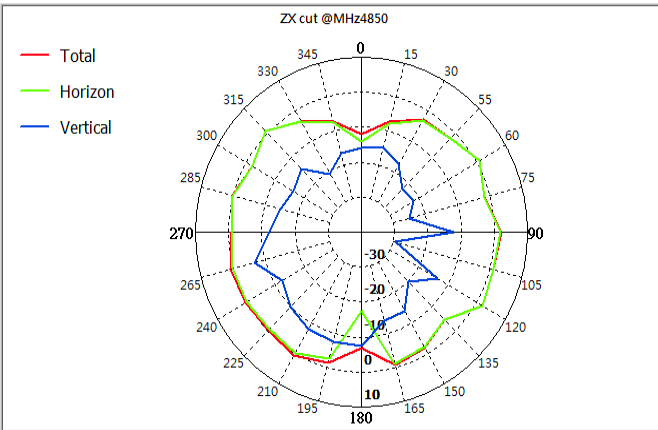
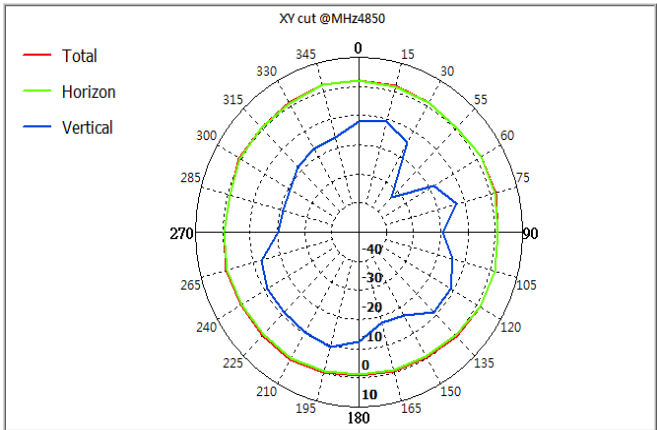


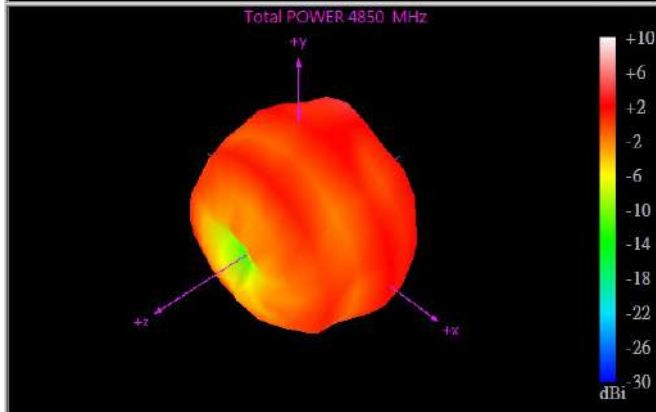
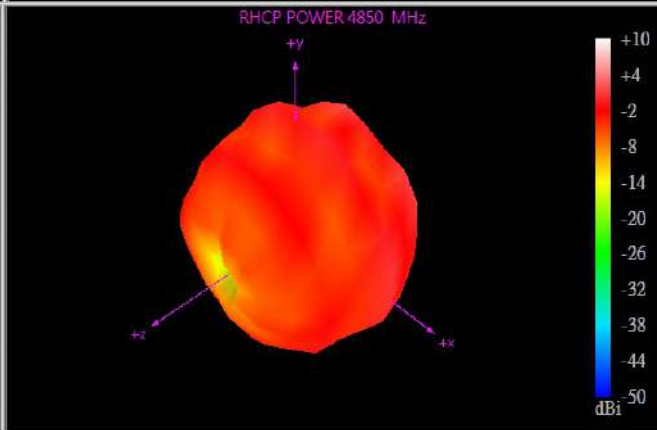
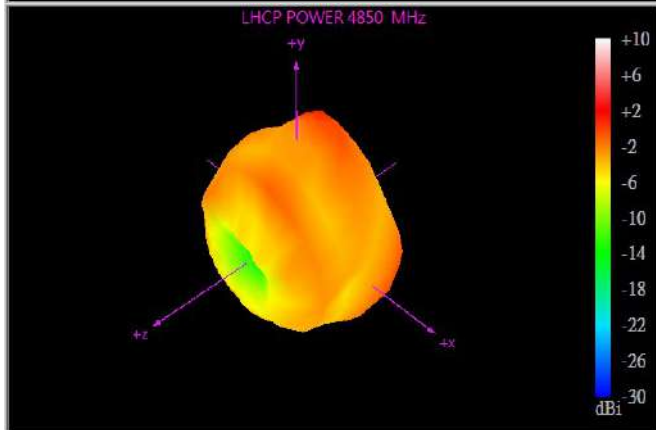
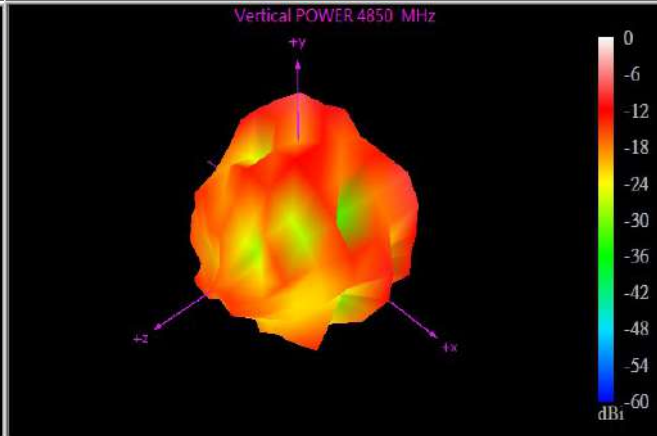
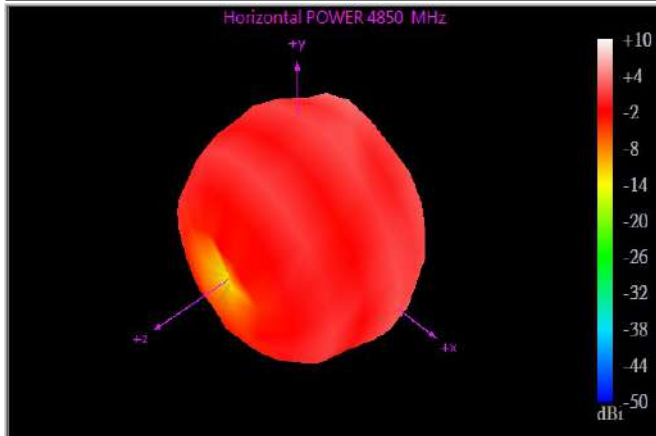
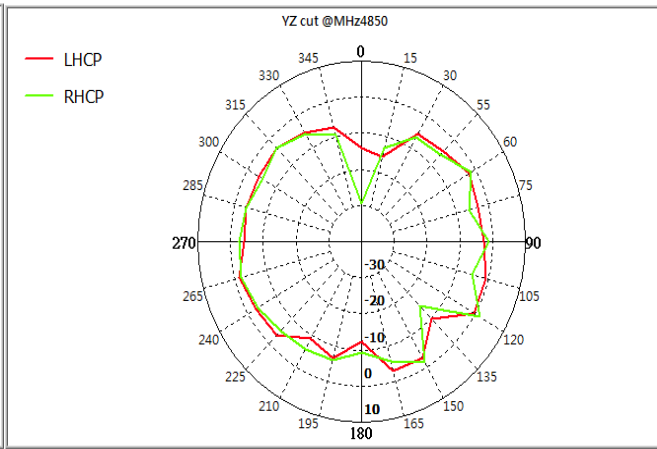
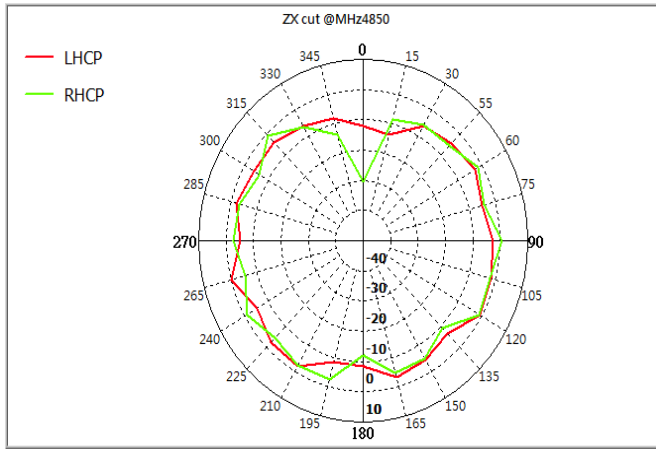
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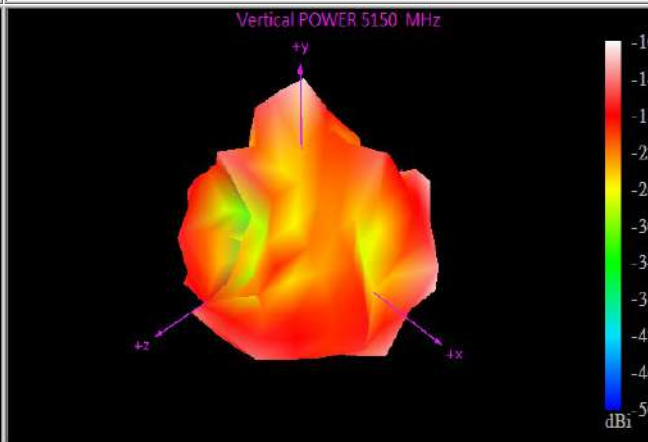
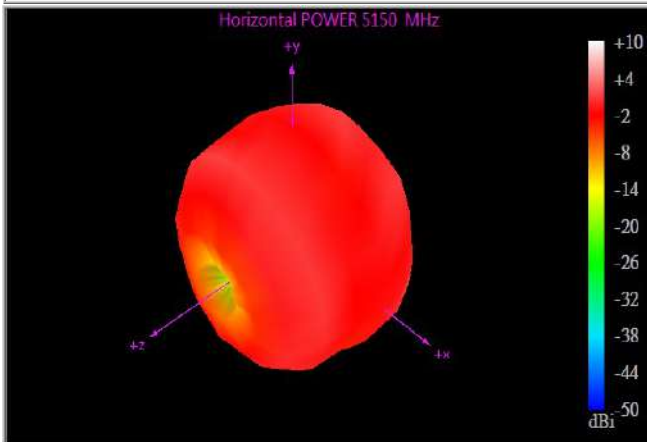
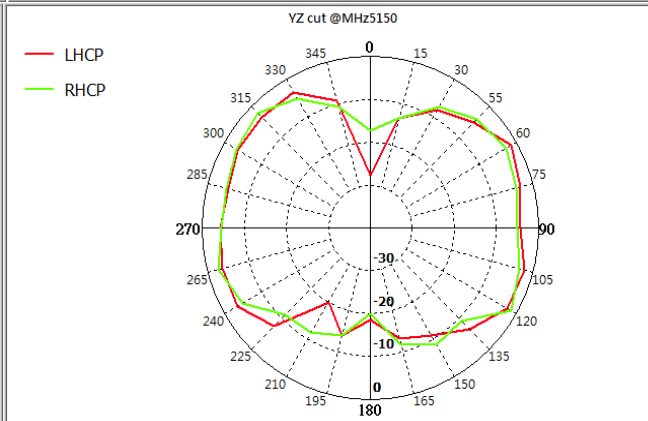
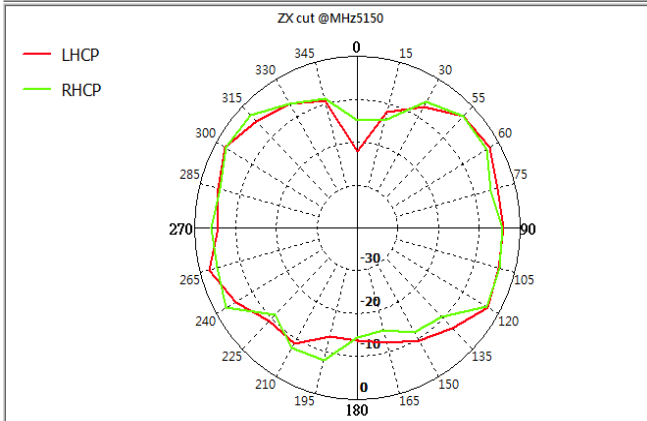
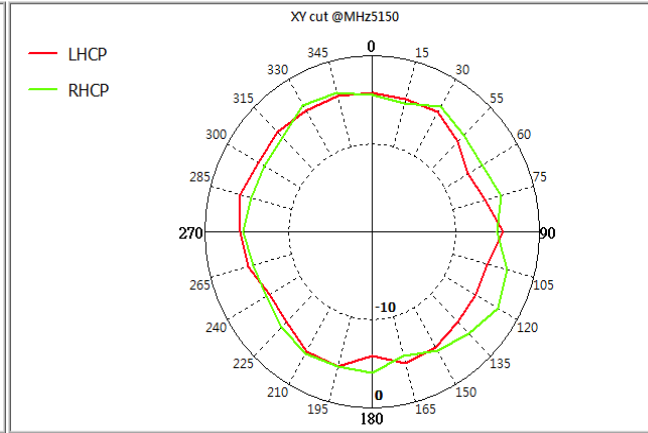
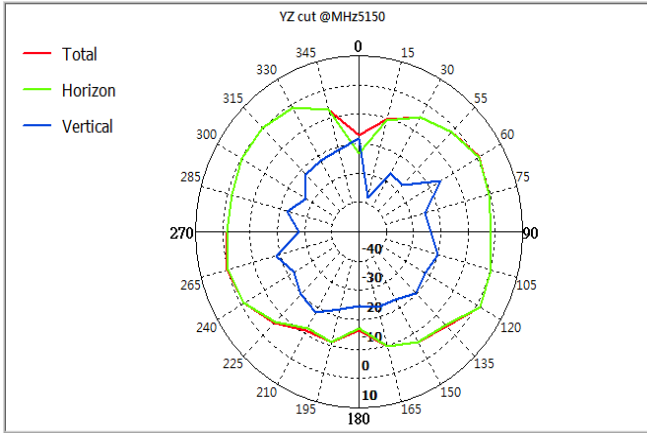
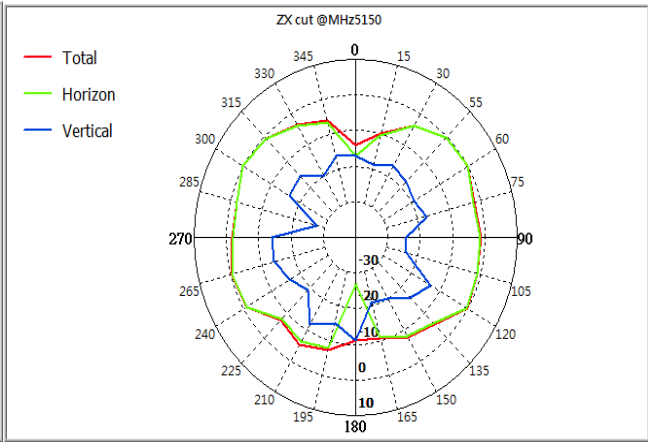
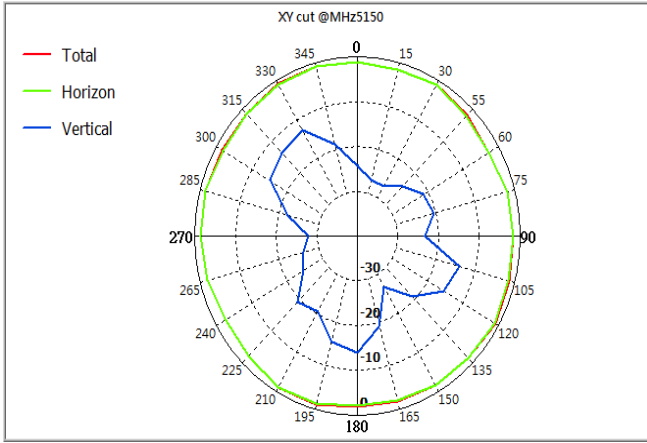


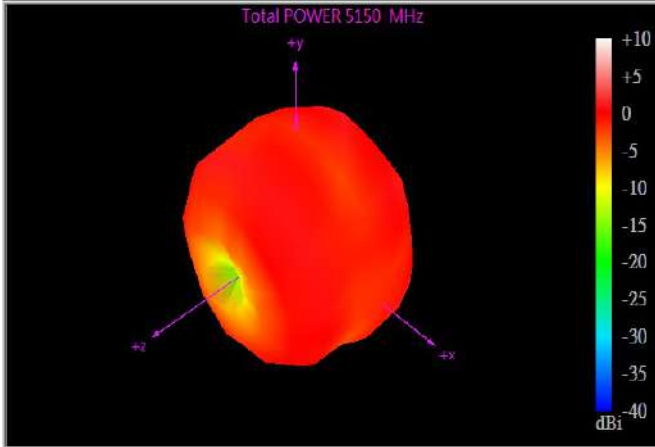
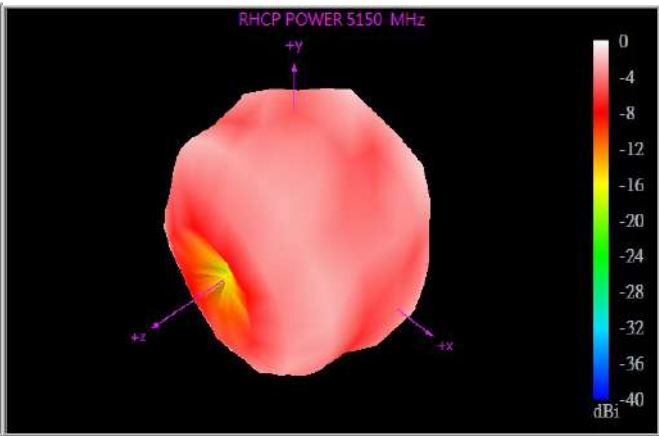
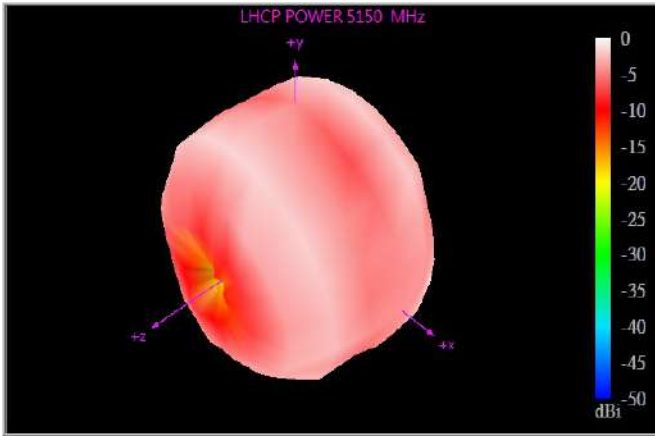
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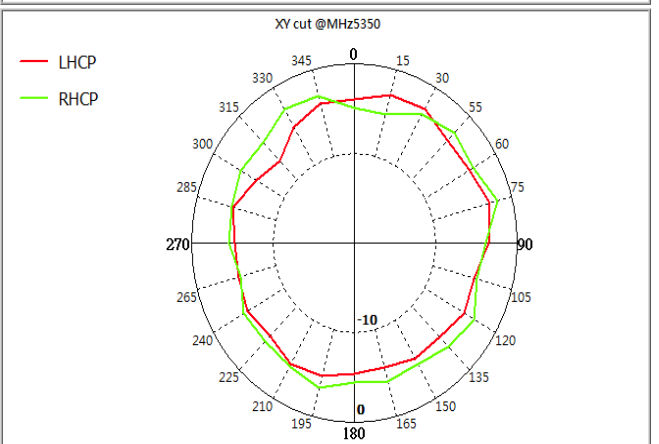
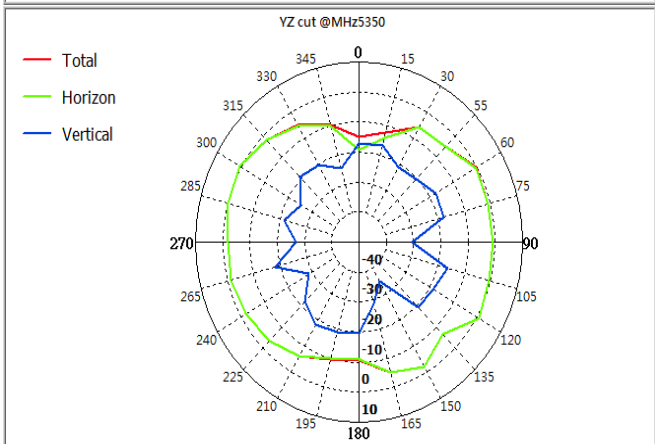
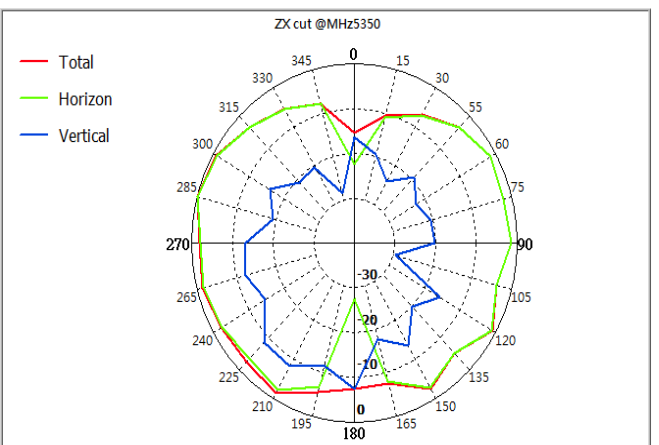
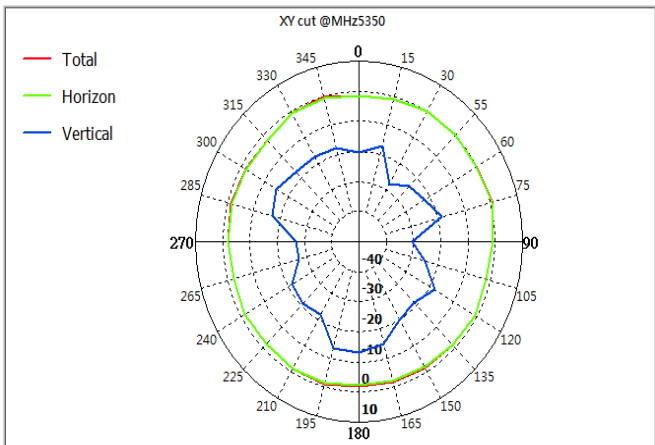


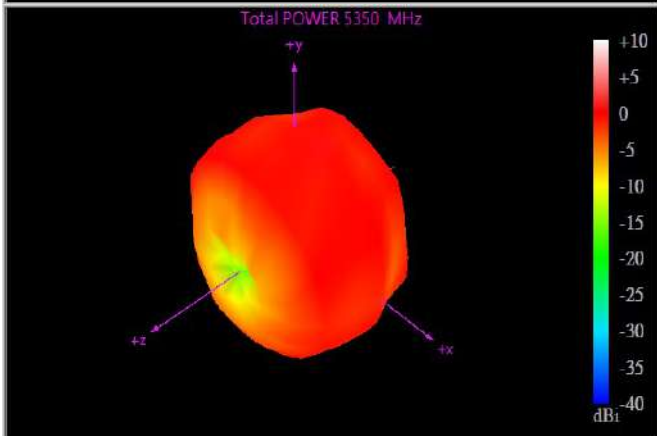
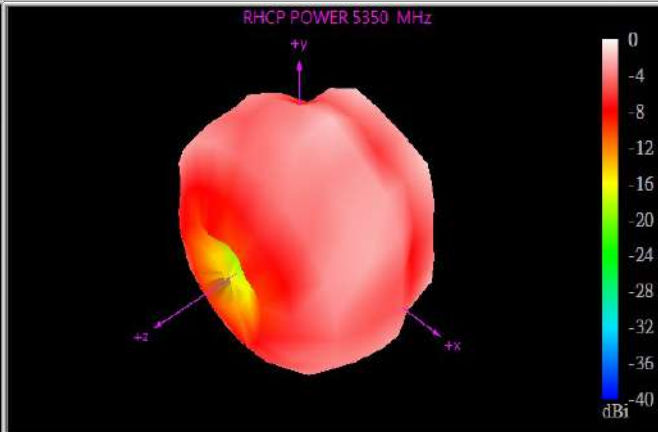
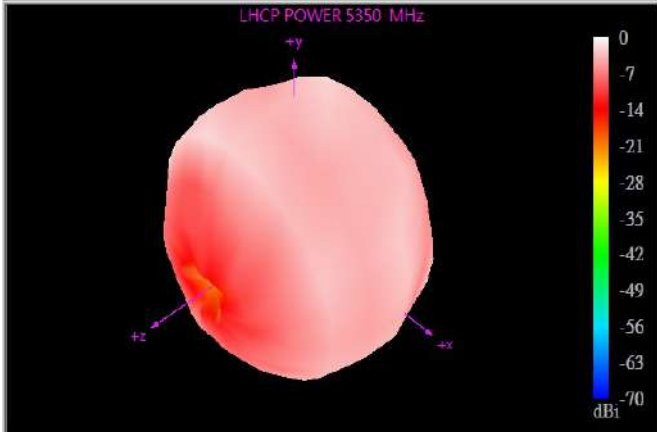
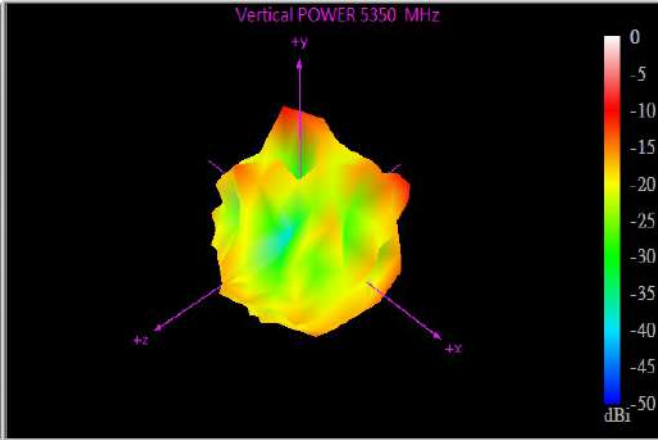
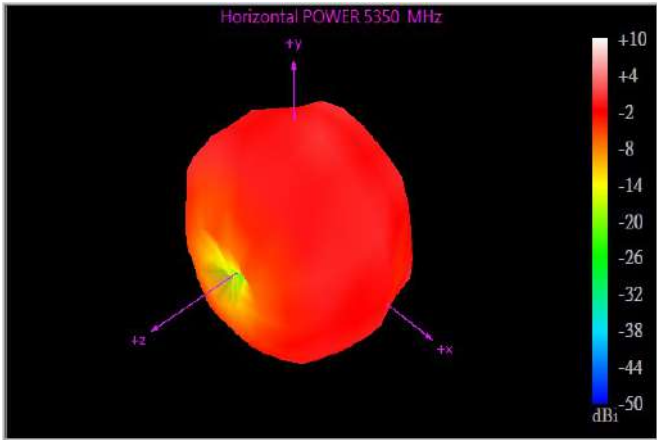
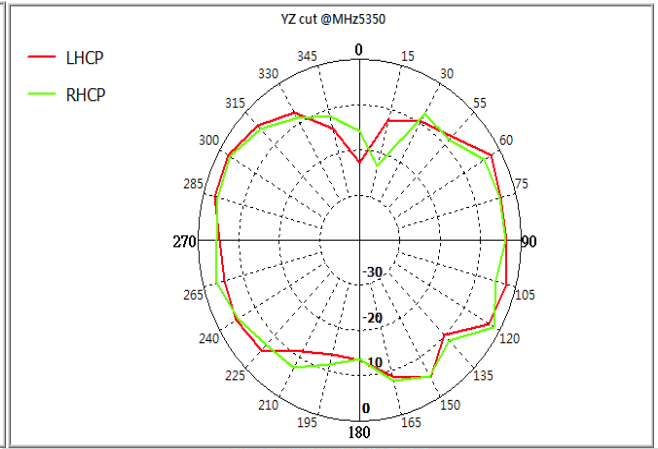
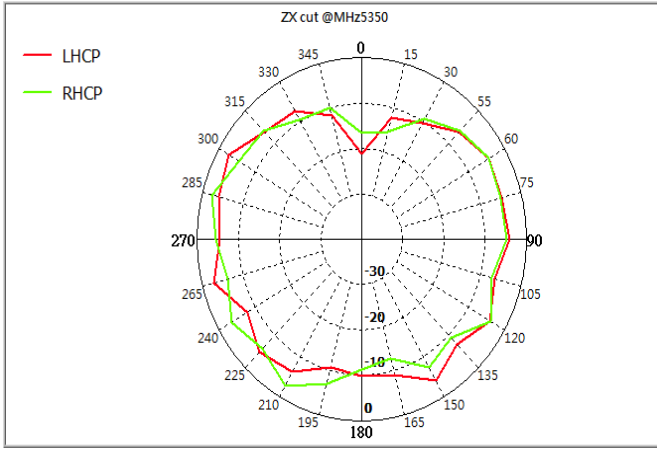
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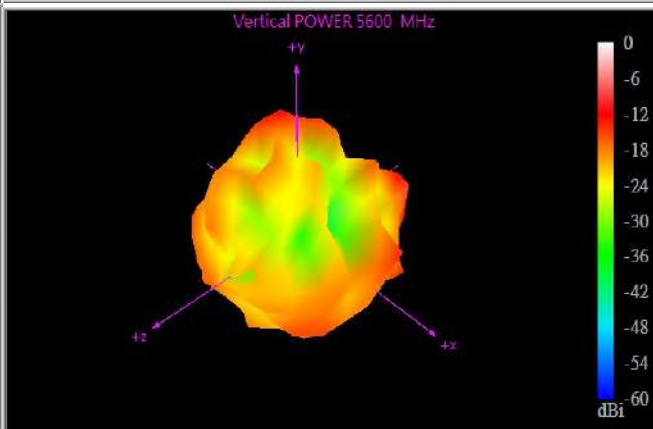
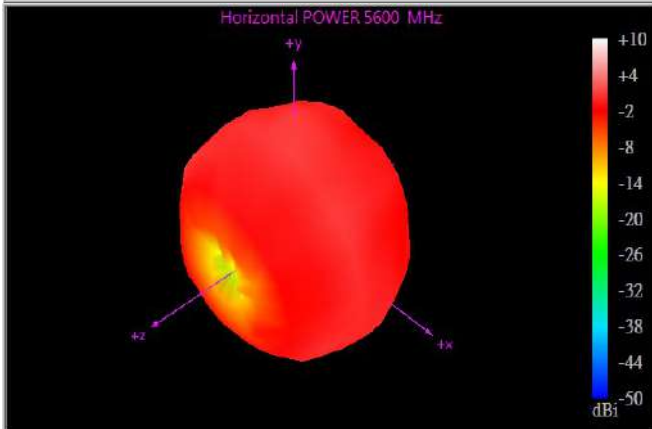
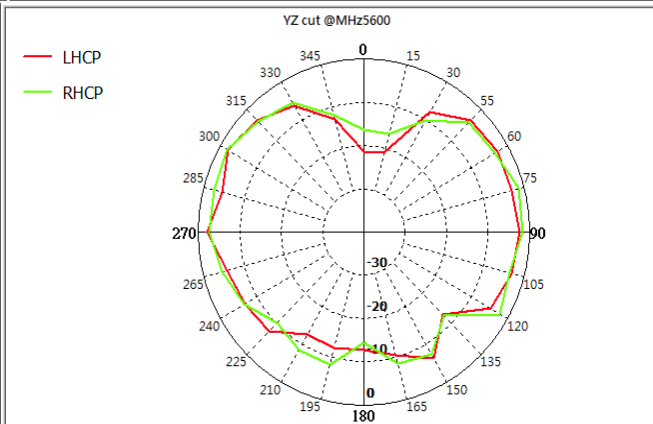
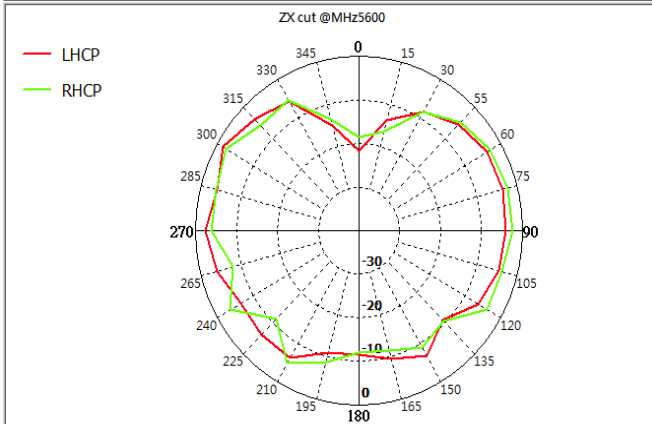
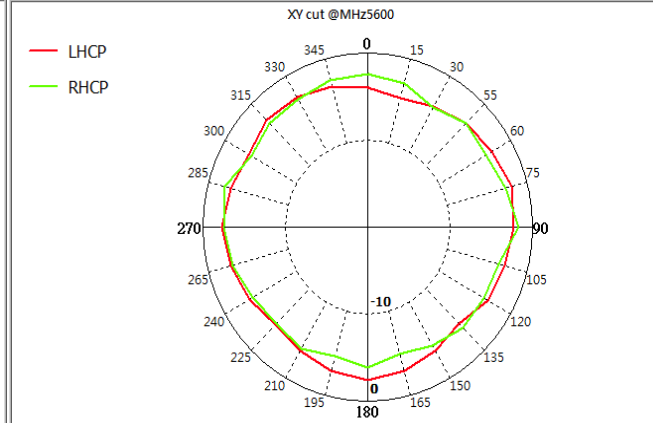
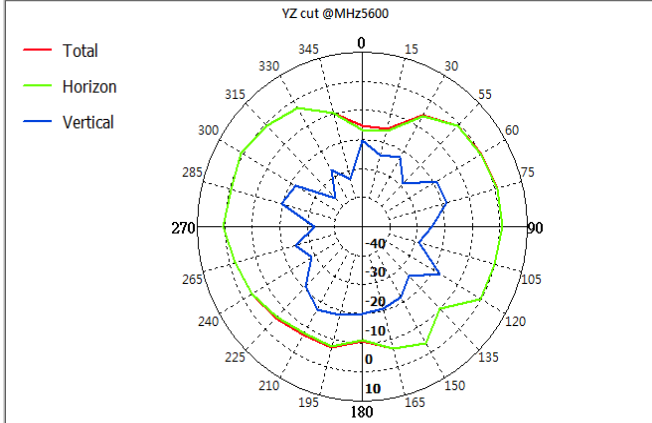
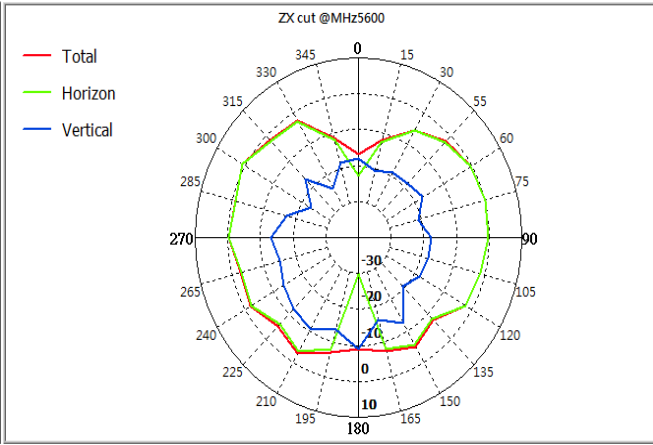
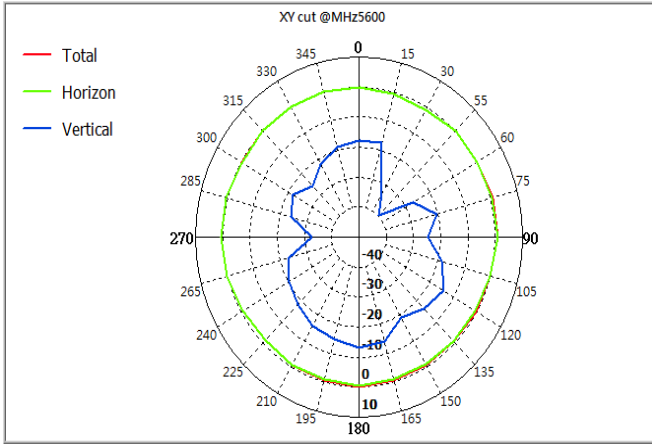


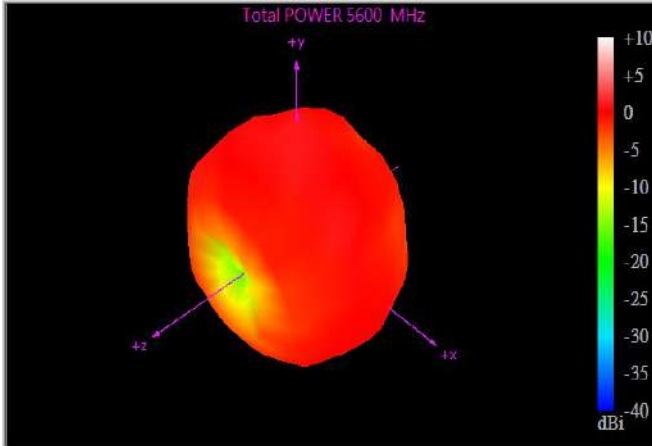
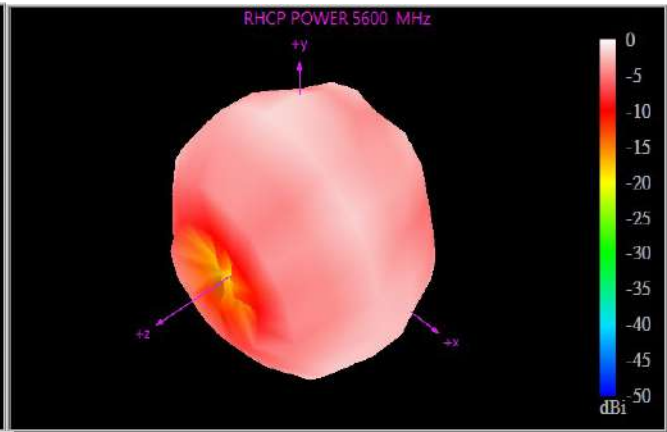
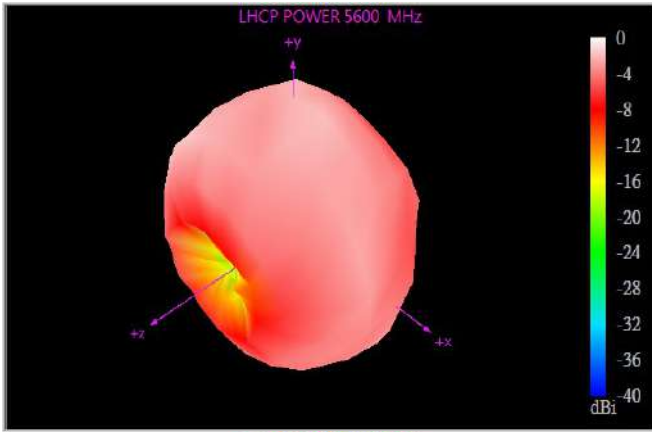
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5600Mhz:





5950Mhz:

