



Antenna Performance Description

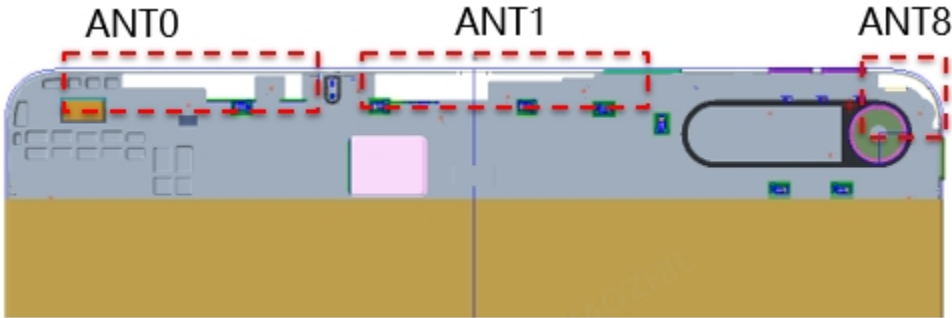
Applicant: Xiaomi Communications Co., Ltd

Antenna Model: P85X Antenna

Test date: 2026/01/27

1.Antenna information

Antenna	Pattern	Antenna Type	Manufacturer	Address	Test party of
ANT 0	FPC	PIFA Antenna	Xiaomi Communications Co., Ltd.	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085	Innowave
ANT 1	FPC	PIFA Antenna	Xiaomi Communications Co., Ltd.	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085	Innowave
ANT 8	FPC	PIFA Antenna	Xiaomi Communications Co., Ltd.	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085	Innowave

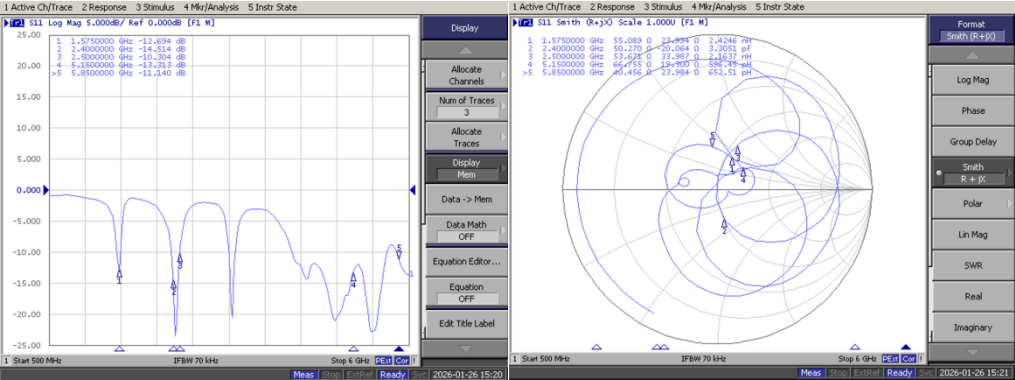




Test data

Band for Antenna 6	Combo ant	
	Effi.(dBi)	Peak gain(dBi)
2.4G	-2.2	0.56
5G (5.15-5.25GHz)	-4.3	-0.8
5G (5.25-5.35GHz)	-4.4	0.43
5G (5.47-5.725GHz)	-5.3	0.38
5G (5.725-5.85GHz)	-5.5	-1.1
Bluetooth	-2.2	0.56
GPS	-4.2	1.2

S11:

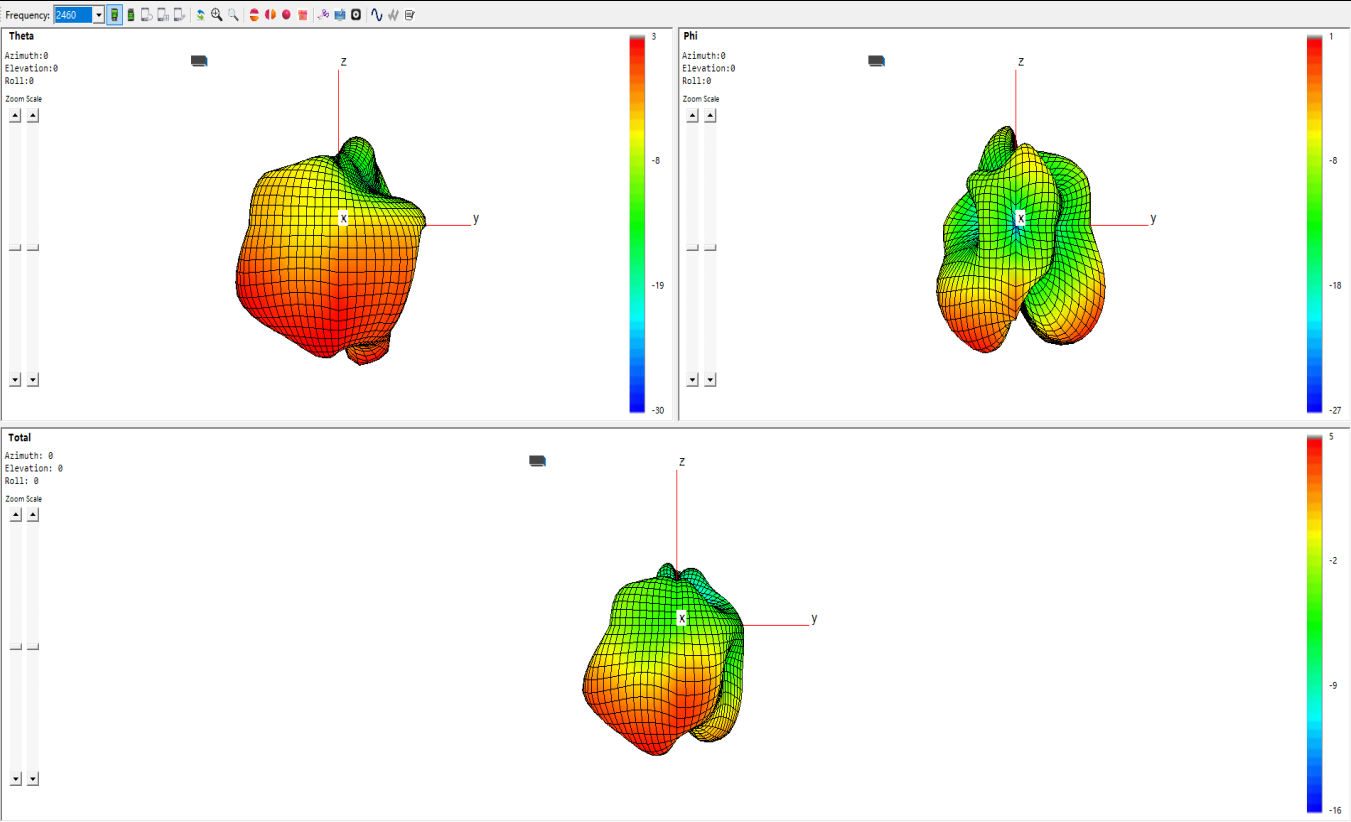




3D:

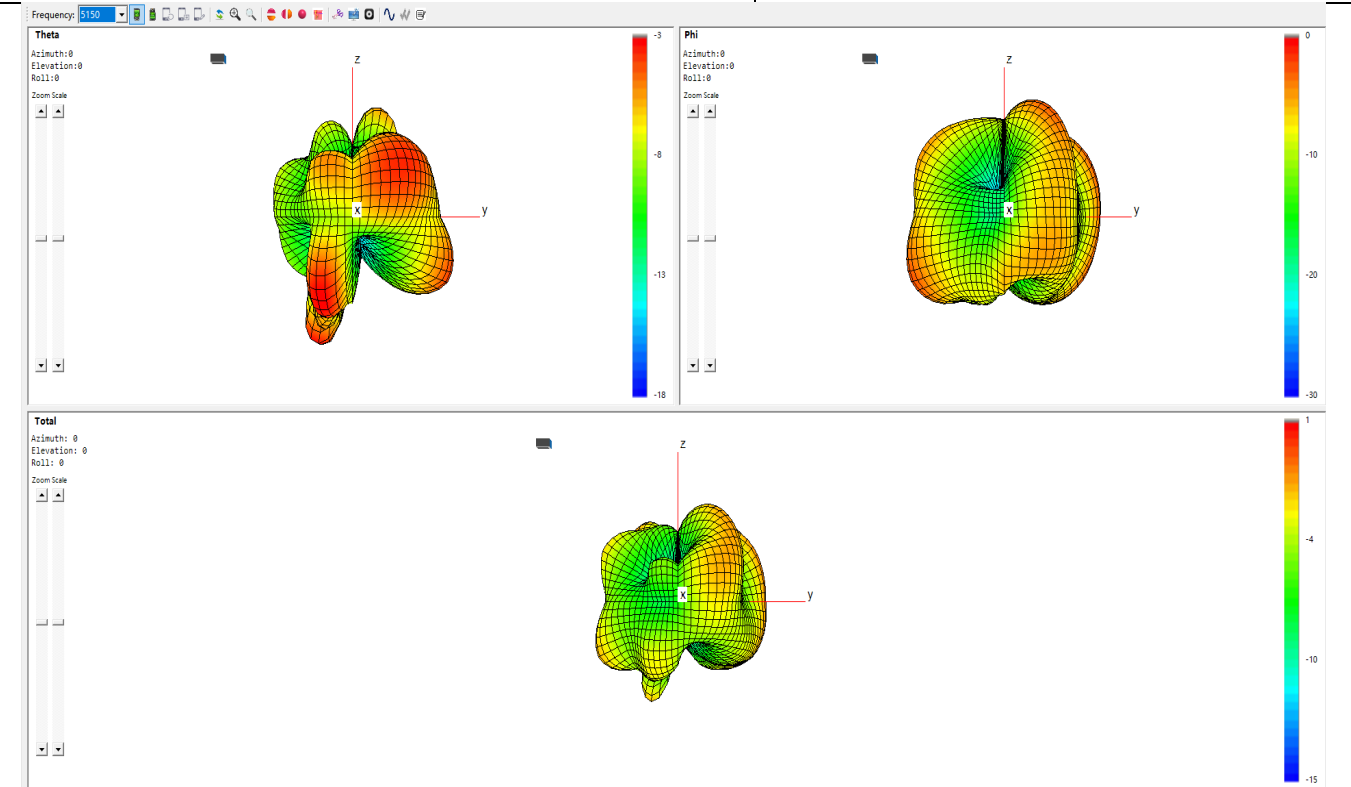
Frequency

2460MHz



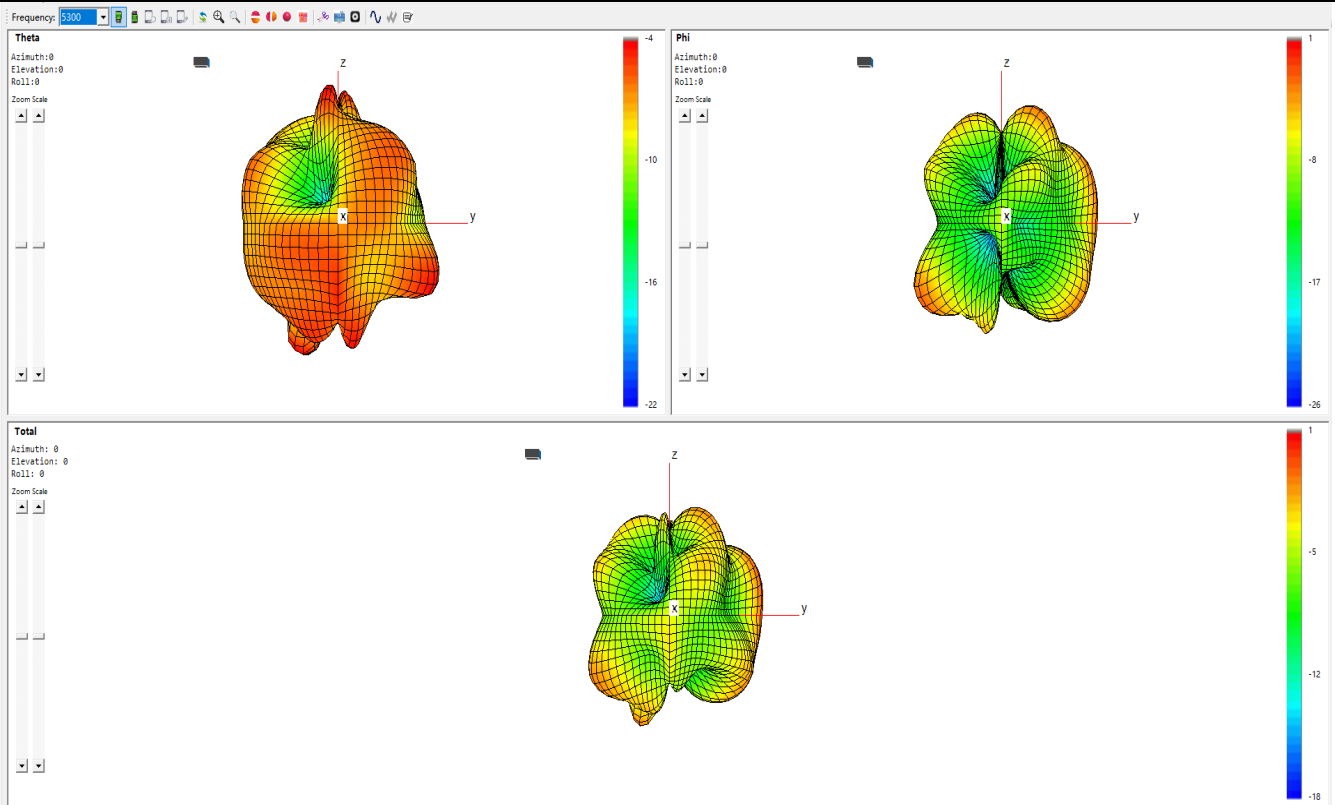
Frequency

5150MHz



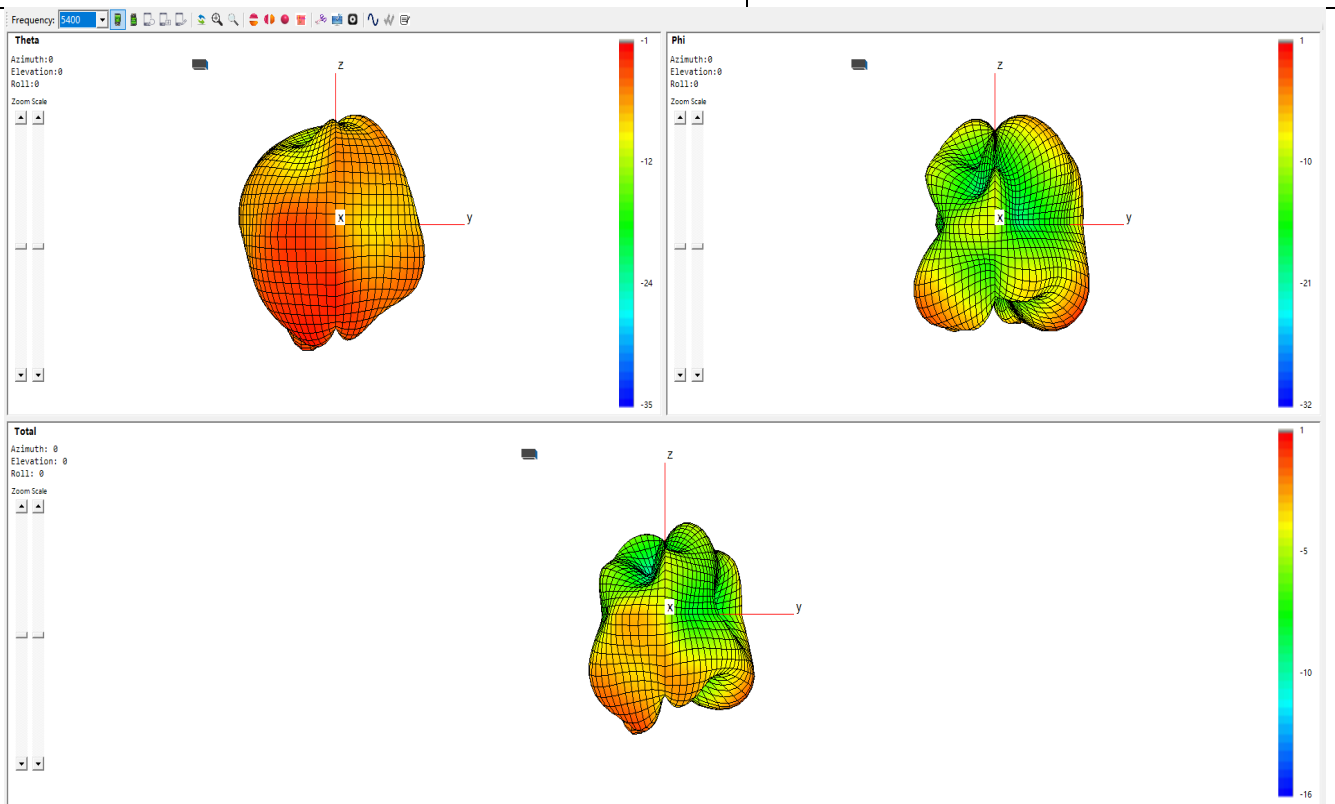
Frequency

5300MHz



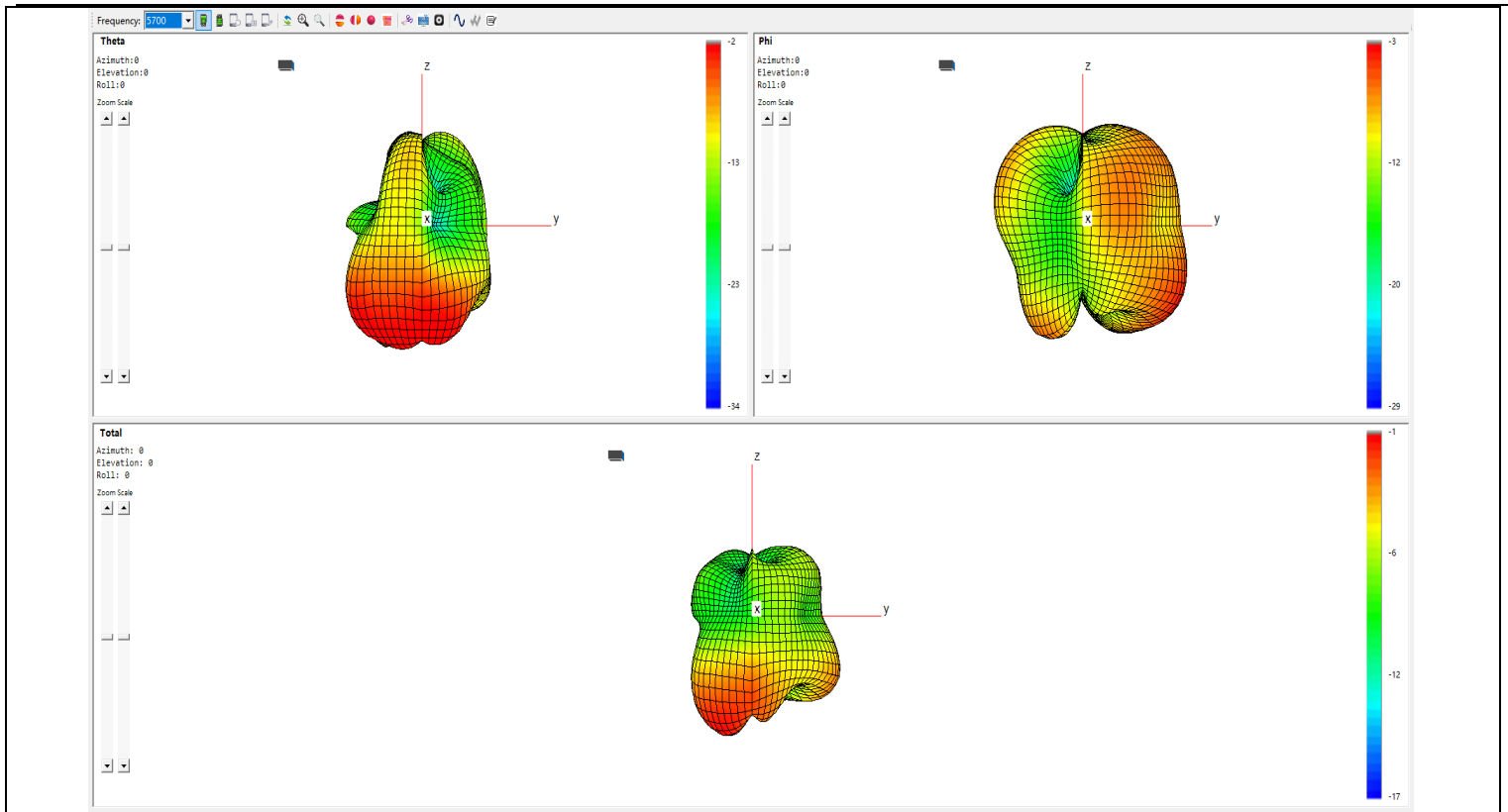
Frequency

5400MHz



Frequency

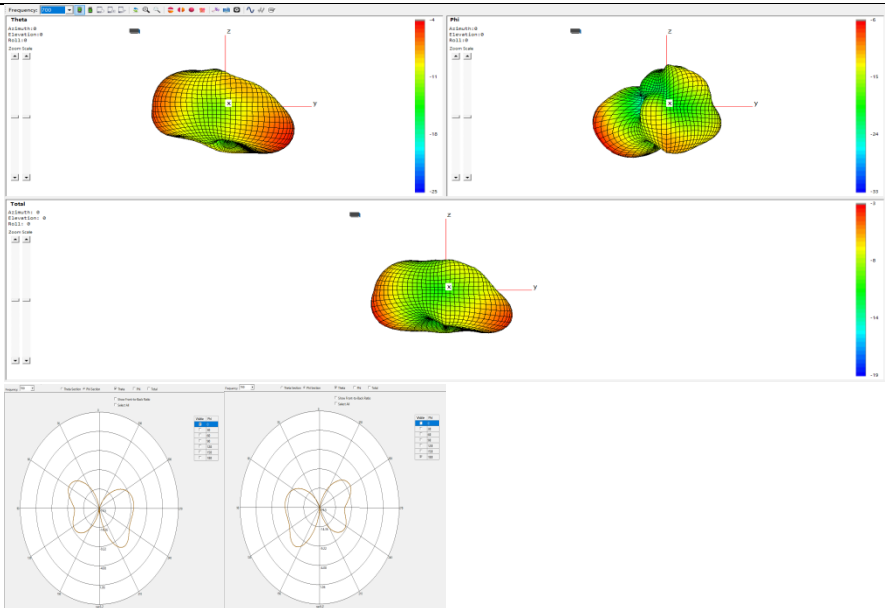
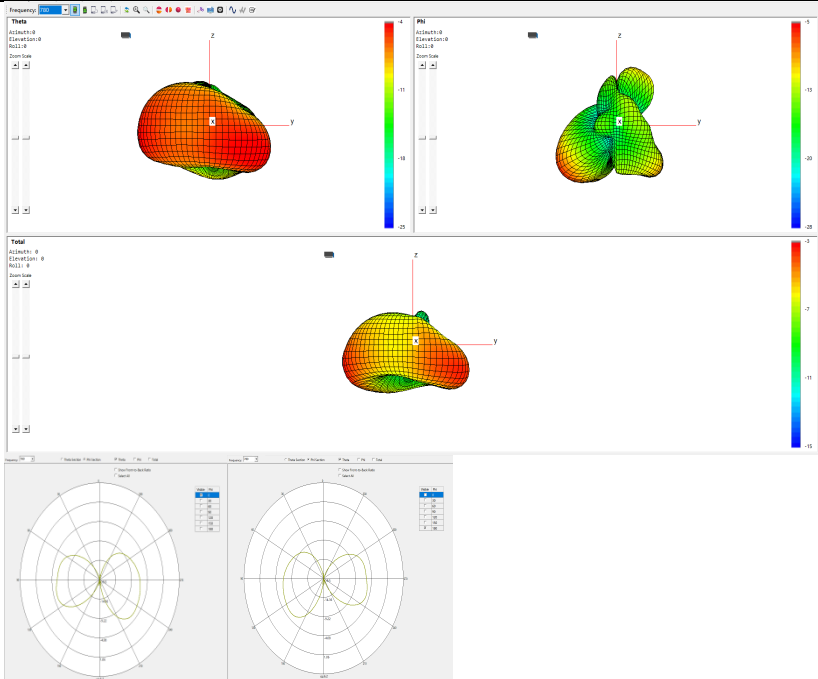
5700MHz



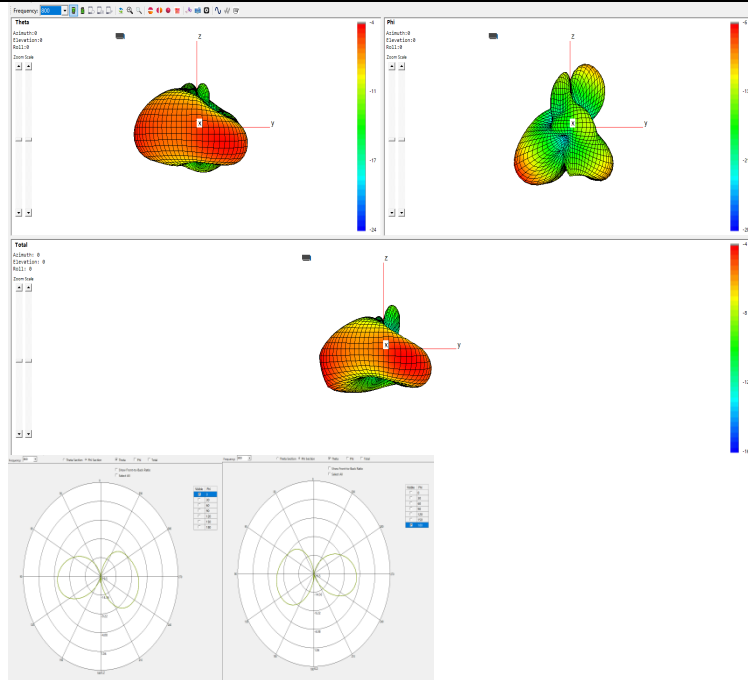
2. Main Test Instruments

Name	Manufacturer	Model name	Serial Number	Software	Cal., Date	Exp., Date
P9371A	KEYSIGHT	P9371A	MY57212591	Network Analyzer	2025-4-1	2026-4-1

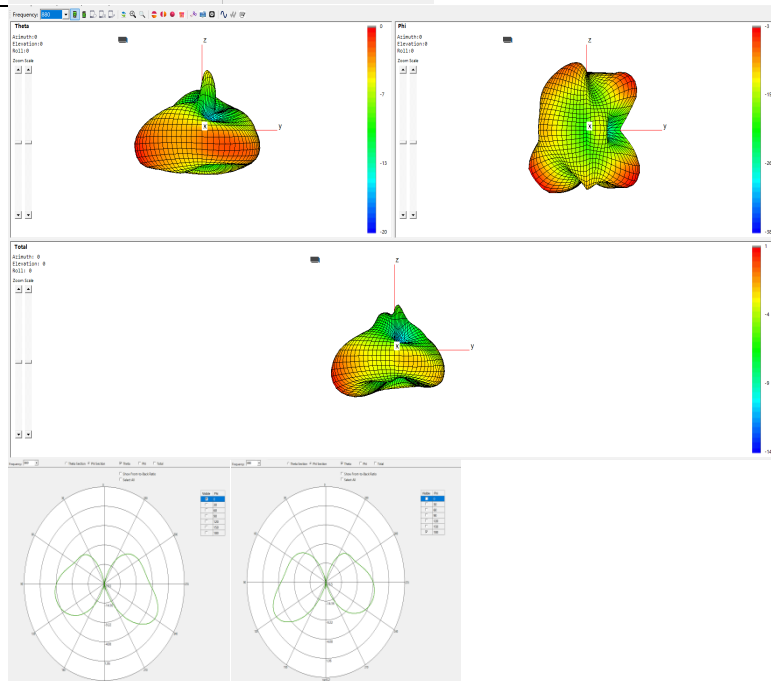


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6.6 Radiation Pattern-ANT0							
Main ant							
700MHZ							
780MHZ							

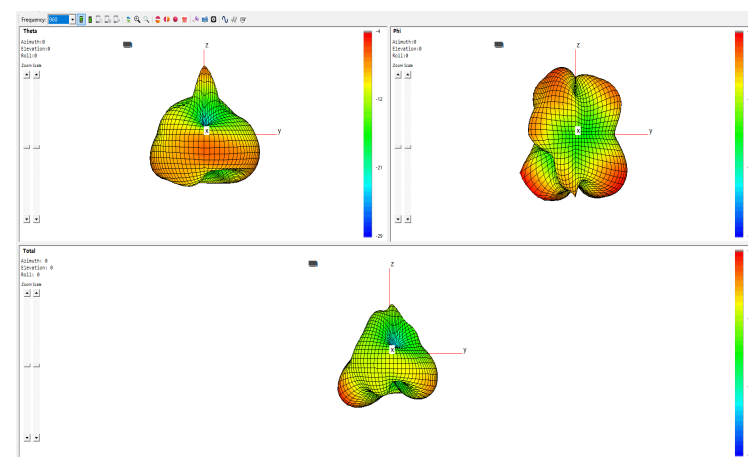
800MHz

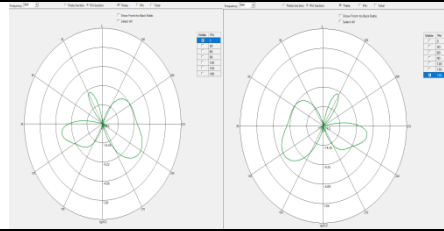


880MHz



960MHz



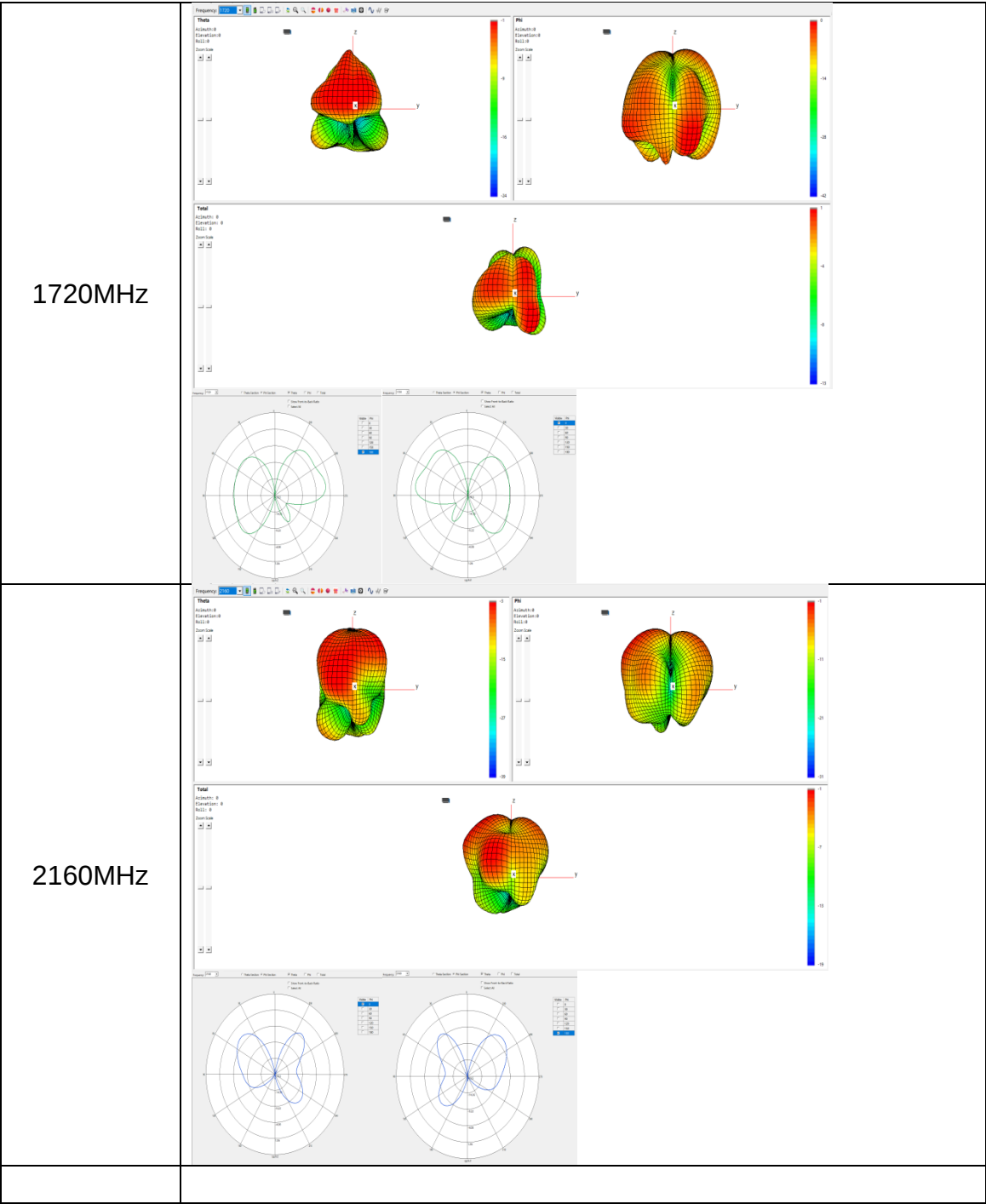


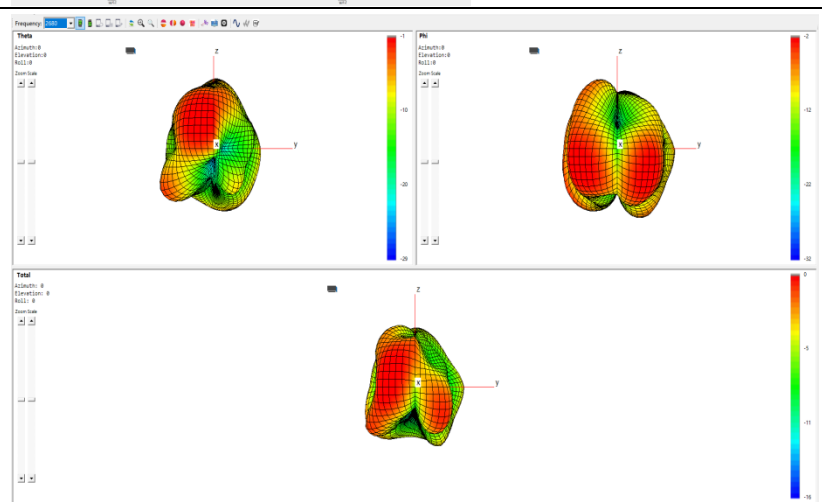


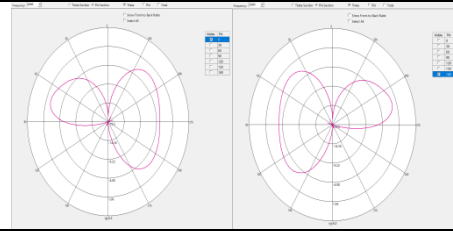
		Product Specification		P/N		
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6.6 Radiation Pattern-ANT0

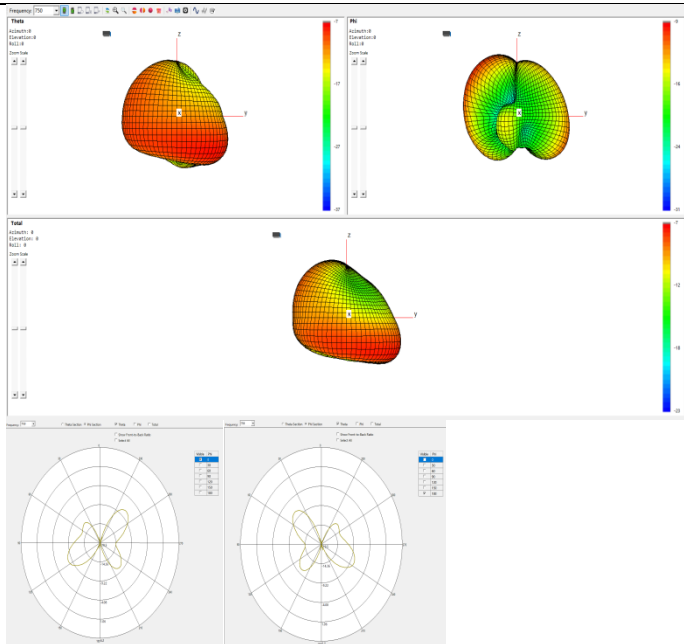
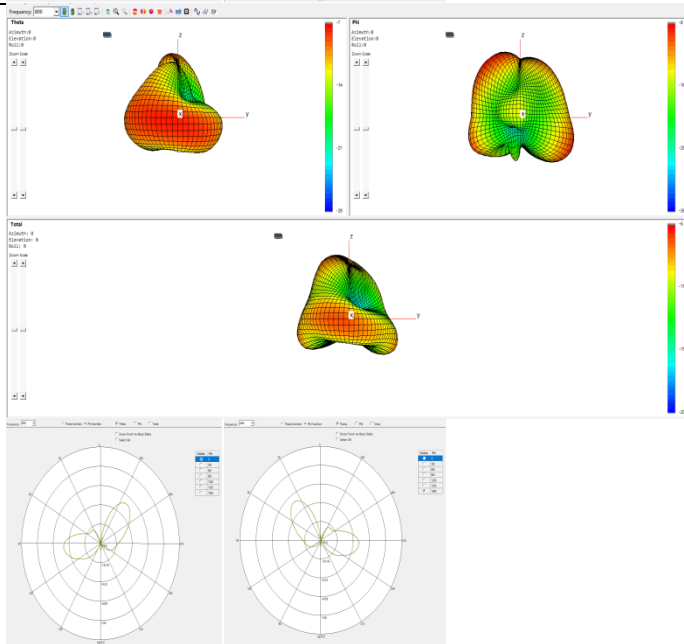
Main ant



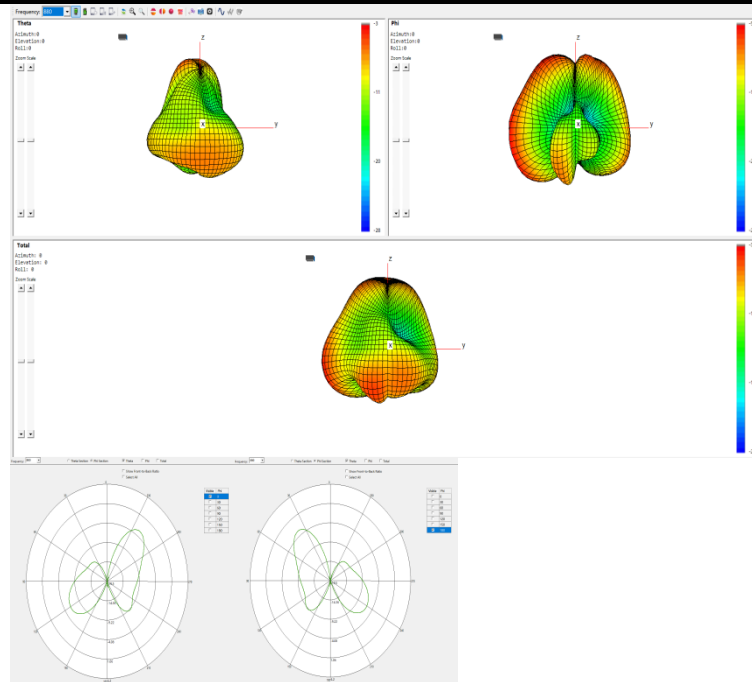




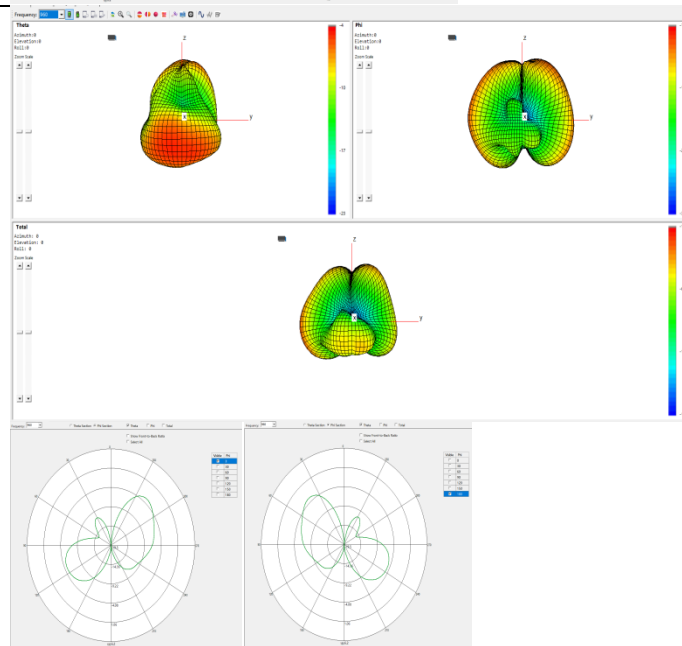


		Product Specification		P/N	
#VALUE!					
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6.6 Radiation Pattern-ANT1					
Main ant					
750MHz					
800MHz					

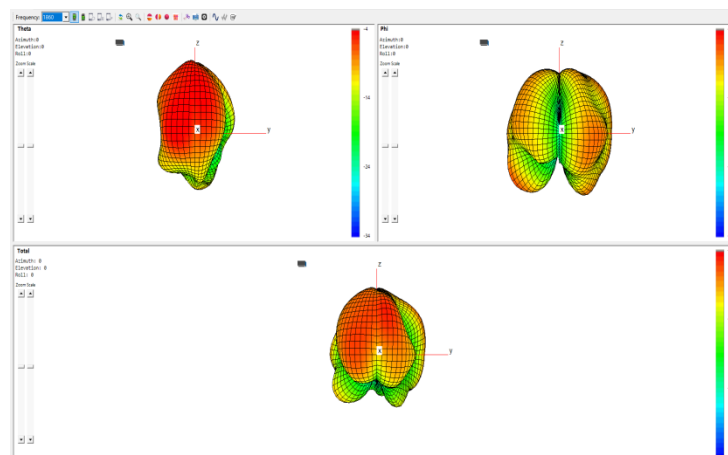
880MHz

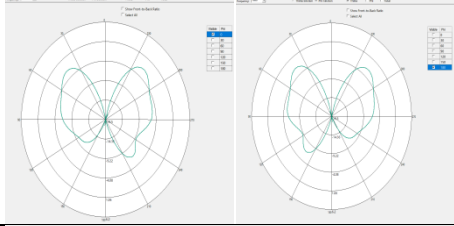
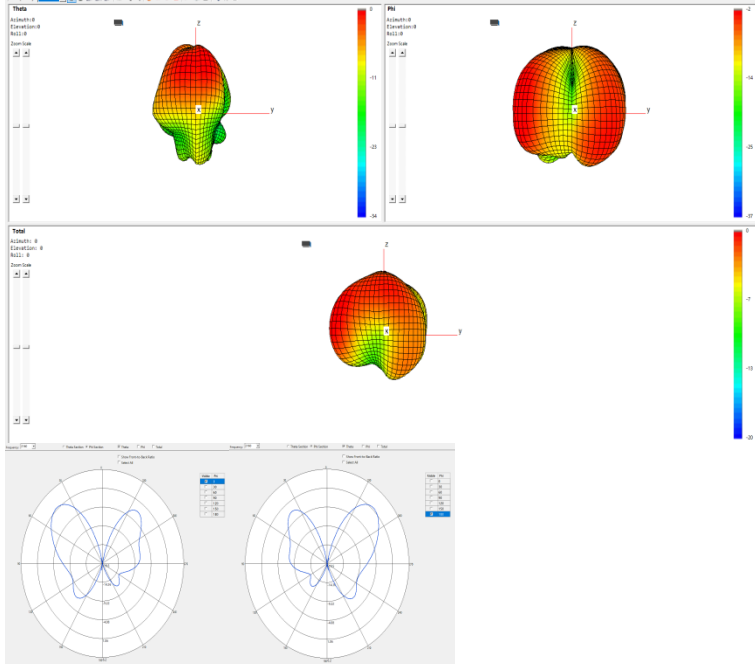
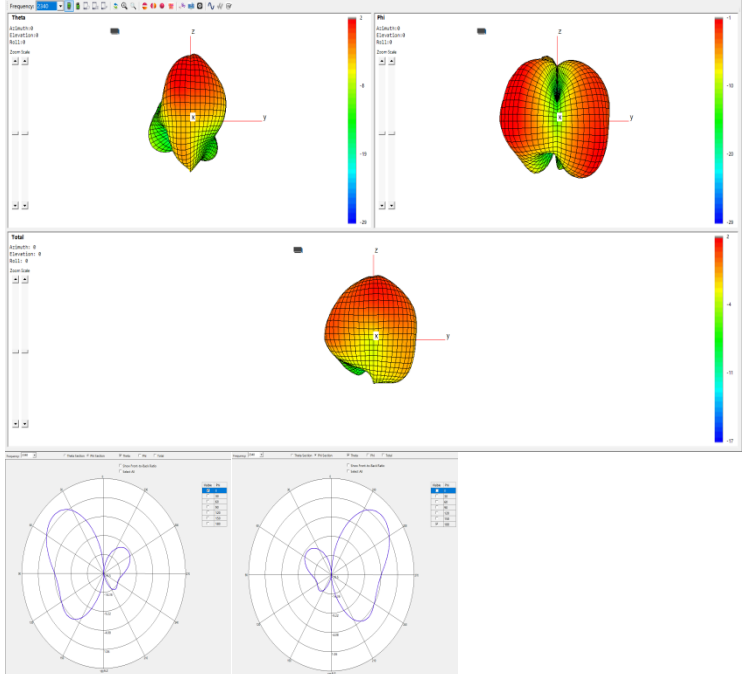


960MHz

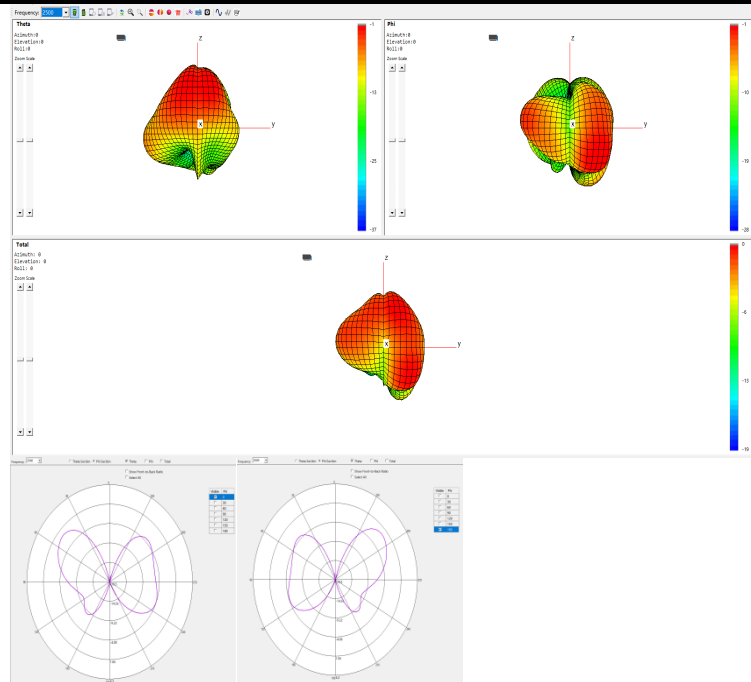


1860MHz

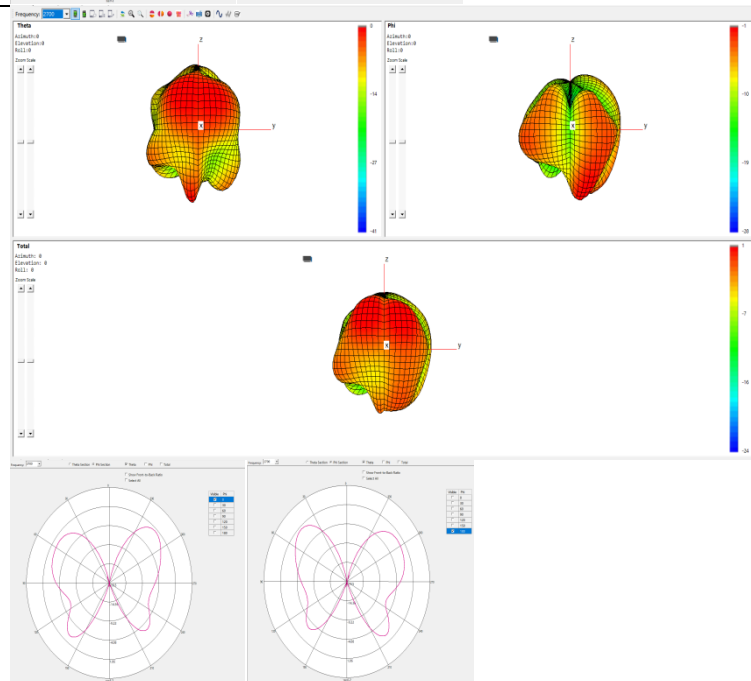


		
2160MHz		
2340MHz		

2500MHz



2700MHz





		Product Specification				P/N			
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6.7 Efficiency-ANT0									
频点	效率	增益	频点	效率	增益	频点	效率	增益	
700	-7.8	-3.13	1700	-5.0	-0.41	2300	-6.8	-0.91	
710	-7.6	-3.23	1720	-4.6	0.55	2320	-6.2	-0.17	
720	-7.0	-2.98	1740	-4.2	0.63	2340	-6.2	-0.02	
730	-6.3	-2.25	1760	-4.6	0.53	2360	-6.3	-0.42	
740	-6.0	-1.83	1780	-4.3	0.63	2380	-6.4	-0.52	
750	-5.8	-1.73	1800	-4.0	0.44	2400	-6.4	-0.69	
760	-6.1	-1.85	1820	-4.5	-1.57				
770	-6.5	-2.28	1840	-4.8	-2.31	2500	-5.5	-0.82	
780	-7.0	-3	1860	-5.0	-3.23	2520	-5.6	-0.51	
			1880	-5.4	-3.07	2540	-5.2	-0.44	
790	-6.7	-2.88	1900	-6.0	-3.78	2560	-4.8	-0.31	
800	-5.9	-2.19	1920	-6.0	-3.88	2580	-4.8	-0.41	
810	-5.1	-1.48	1940	-5.9	-2.56	2600	-4.9	0.13	
820	-4.5	-0.66	1960	-5.9	-1.55	2620	-4.9	-0.42	
830	-4.1	0.04	1980	-6.2	-1.54	2640	-4.6	-0.33	
840	-4.1	0.38	2000	-6.1	-1.29	2660	-4.7	0.59	
			2020	-5.8	-1.14	2680	-4.3	-0.39	
850	-3.4	1.85	2040	-5.9	-0.82	2700	-3.6	0.29	
860	-3.5	1.77	2060	-6.0	-0.88				
870	-3.8	2.07	2080	-5.6	-0.48				
880	-4.5	0.89	2100	-5.4	-0.33				
890	-5.6	0.64	2120	-5.7	-0.82				
			2140	-6.3	-0.69				
900	-4.5	0.76	2160	-6.6	-1.4				
910	-5.1	0.52	2180	-6.6	-0.86				
920	-5.8	-0.3	2200	-6.8	-1.26				
930	-6.4	-1.21							
940	-7.0	-1.67							
950	-7.8	-2.22							
960	-8.5	-3.1							



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		Product Specification				P/N		
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6.7 Efficiency-ANT1								
频点	效率	增益	频点	效率	增益	频点	效率	增益
750	-10.3	-7.3	1820	-7.0	-3.76	2300	-5.3	0.81
760	-10.1	-7.29	1840	-6.7	-3.32	2320	-4.9	1.08
770	-10.0	-7.25	1860	-6.4	-3.19	2340	-5.2	0.62
780	-10.2	-7.26	1880	-6.8	-3.34	2360	-5.4	0.75
790	-10.4	-6.98	1900	-6.7	-3.23	2380	-6.0	-0.22
800	-10.5	-6.64	1920	-6.3	-3.07	2400	-6.2	-0.24
810	-10.7	-7.02	1940	-6.2	-3.17	2420	-6.4	-0.68
820	-10.8	-7.44	1960	-6.3	-3.15	2440	-6.2	-0.68
			1980	-6.1	-2.37	2460	-6.0	-0.99
860	-8.1	-4.25	2000	-5.7	-1.74	2480	-6.0	-1.06
870	-7.6	-3.9	2020	-5.9	-2.02	2500	-6.2	-2.11
880	-7.5	-3.5	2040	-6.1	-1.54	2520	-6.1	-2.2
890	-7.8	-3.92	2060	-5.9	-1.29	2540	-5.1	-1.34
			2080	-5.2	-0.61	2560	-5.0	-1.44
930	-6.3	-2.66	2100	-5.3	-0.75	2580	-5.0	-1.88
940	-5.7	-1.47	2120	-5.2	-0.84	2600	-5.0	-1.61
950	-5.7	-1.26	2140	-5.3	-1.2	2620	-5.2	-1.98
960	-6.0	-1.21	2160	-5.3	-0.75	2640	-5.2	-1.66
			2180	-5.3	-0.72	2660	-5.0	-1.46
						2680	-4.7	-1.52
						2700	-4.3	-0.49

