

AUT Report

Product Model: Tapo C675D(US) 1.6/Tapo C675D KIT(US) 1.6

Manufacturer: TP-Link Systems Inc.

Test Date: 2025.11.28

Tested By: Wu Jian Wu Jian

TP-Link Systems Inc.
10 Mauchly, Irvine, CA 92618

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1. Antenna Distribution

Tapo C675D



2. Electrical Characteristics

Ant1	
Frequency	2400~2500MHz&5150~5850MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	1.96dBi@2400~2500MHz 2.96dBi@5150~5850MHz
Radiation pattern	Omni-Directional
P/N	

Ant2	
Frequency	2400~2500MHz&5150~5850MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	1.98dBi@2400~2500MHz 3.00dBi@5150~5850MHz
Radiation pattern	Omni-Directional

P/N	
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Ant3(BLE)	
Frequency	2400~2500MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	1.98dBi@2400~2500MHz
Radiation pattern	Omni-Directional
P/N	

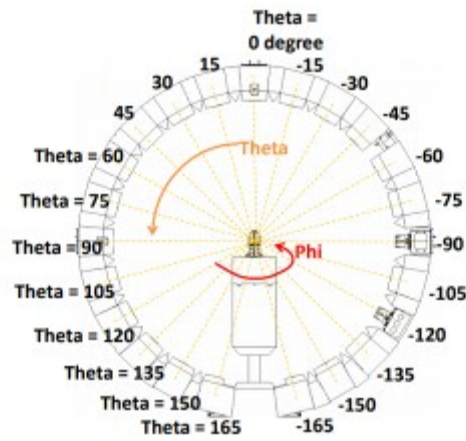


Figure 0-2

Before the measurement, calibrated the vector network analyzer, and then connected the input end of each antenna to the output end of the vector network analyzer, and evenly the antennas to be measured.

Test Equipment listed below:

Equipments	Model	Manufacturer	S/N	Cali. Interval	Cali. Due Date
Chamber	Rayzone2800	GTS(General Test System)	MY5347043 5	12months	2026/01/15
Vector Network Analyzer	E5071C	Keysight	MY46315238	24months	2026/03/13
GTS MaxSign100 Software	V2.1	GTS(General Test System)	/	/	/

2.2 Test Setup

The test setup was shown in Figure 3-3, 3-4:

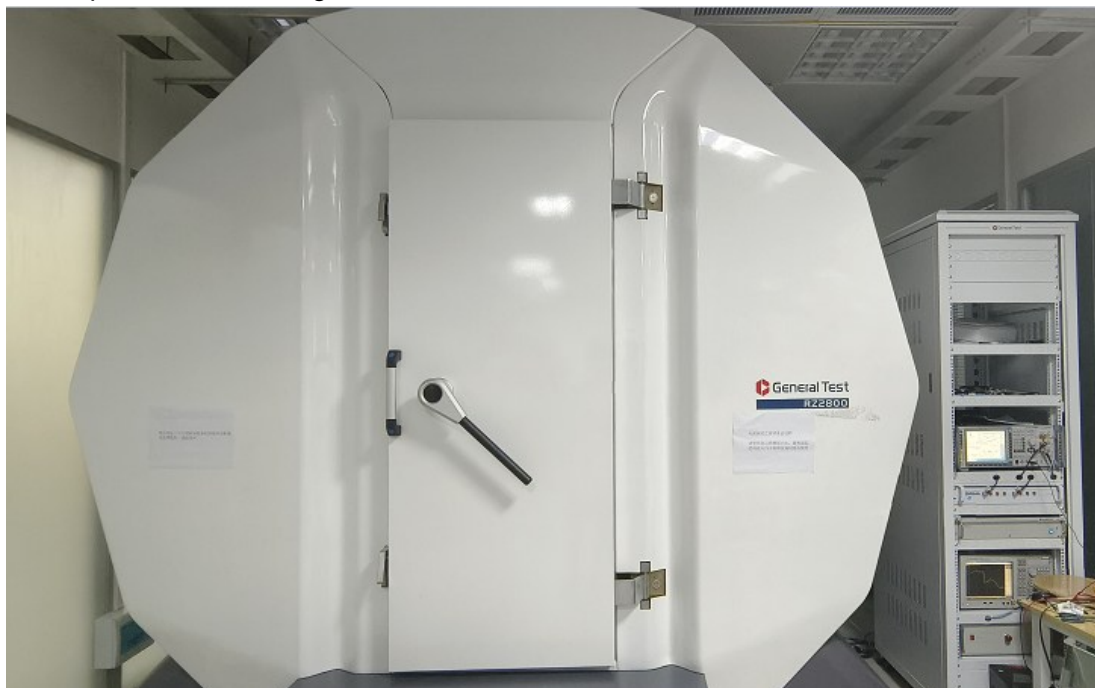


Figure 0-3

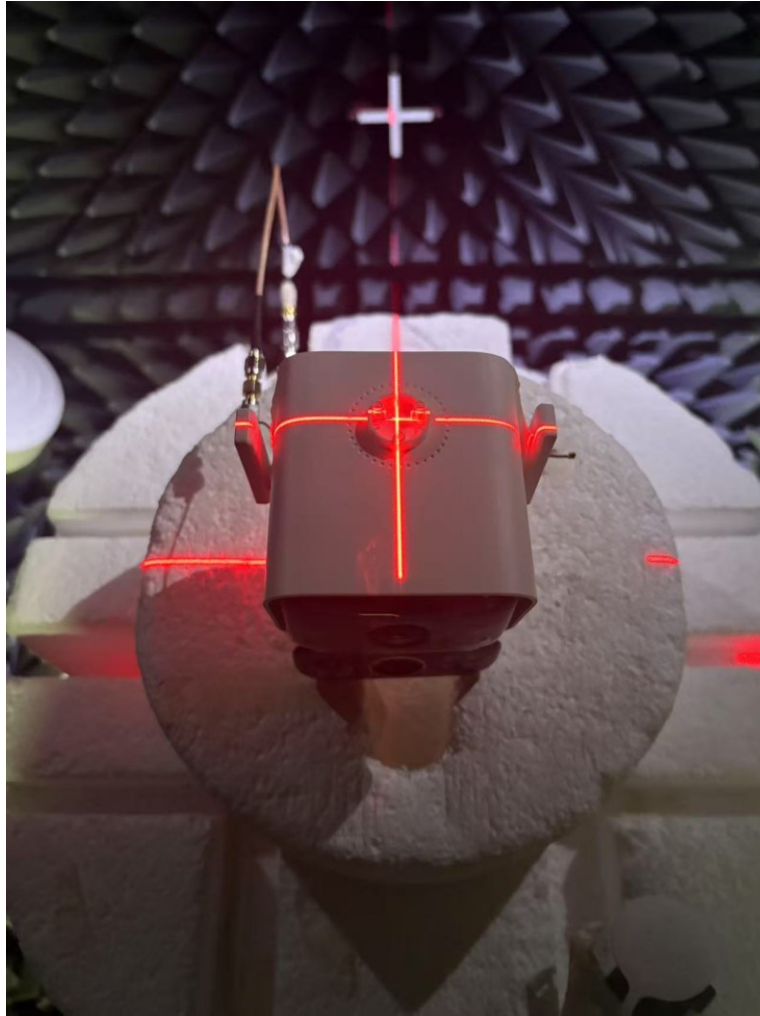
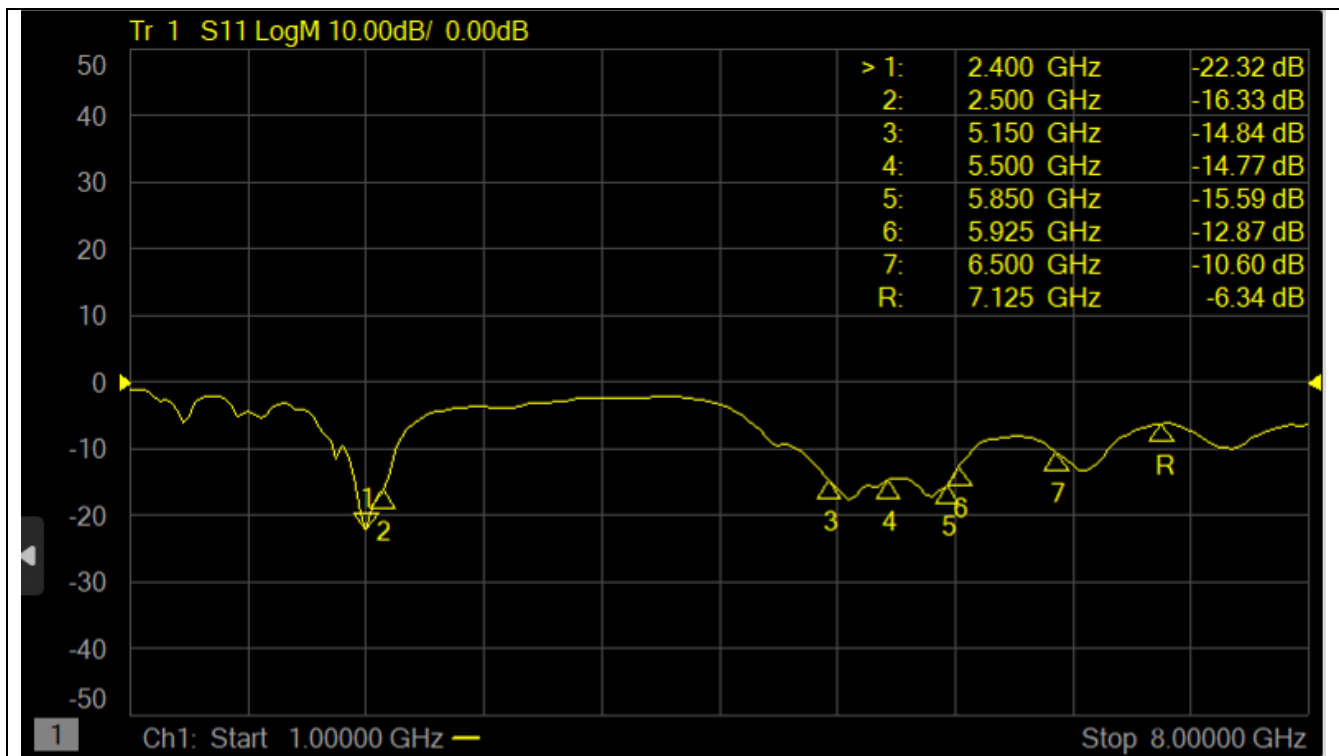


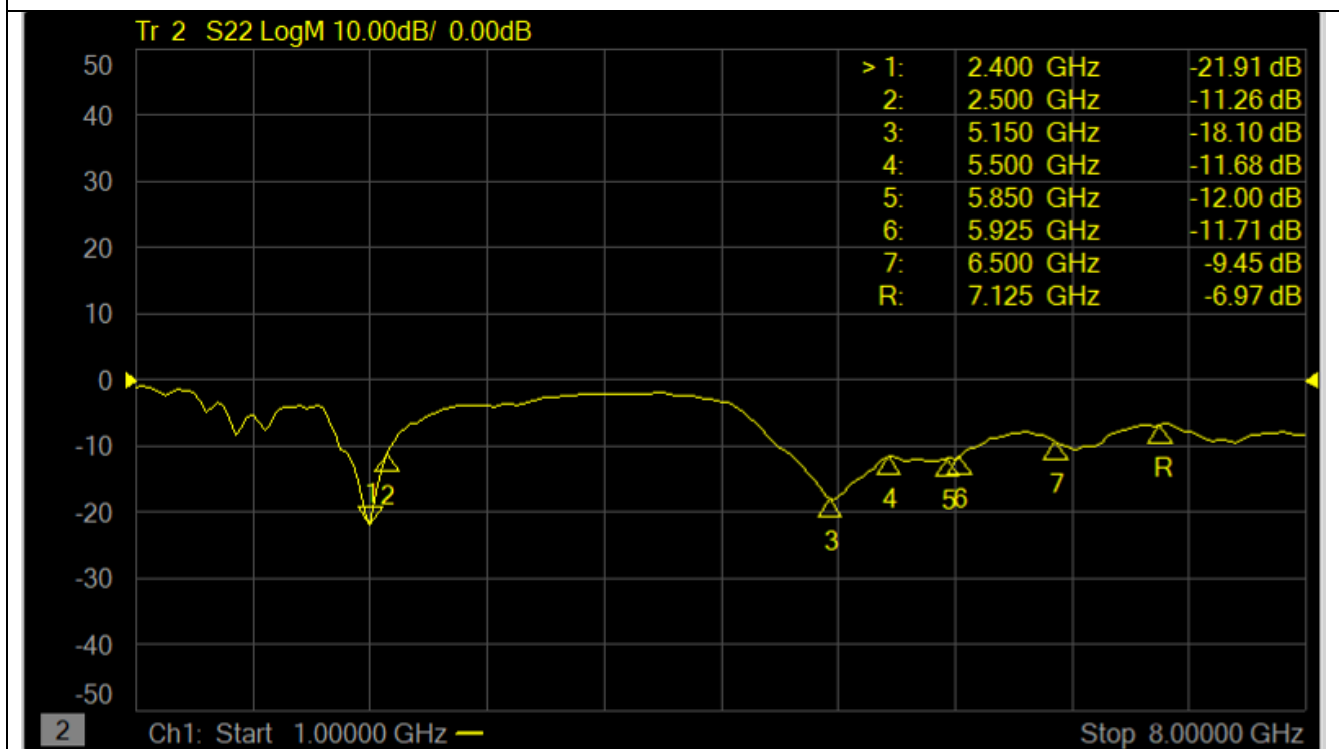
Figure 0-4

2.3 S Parameter Test Data

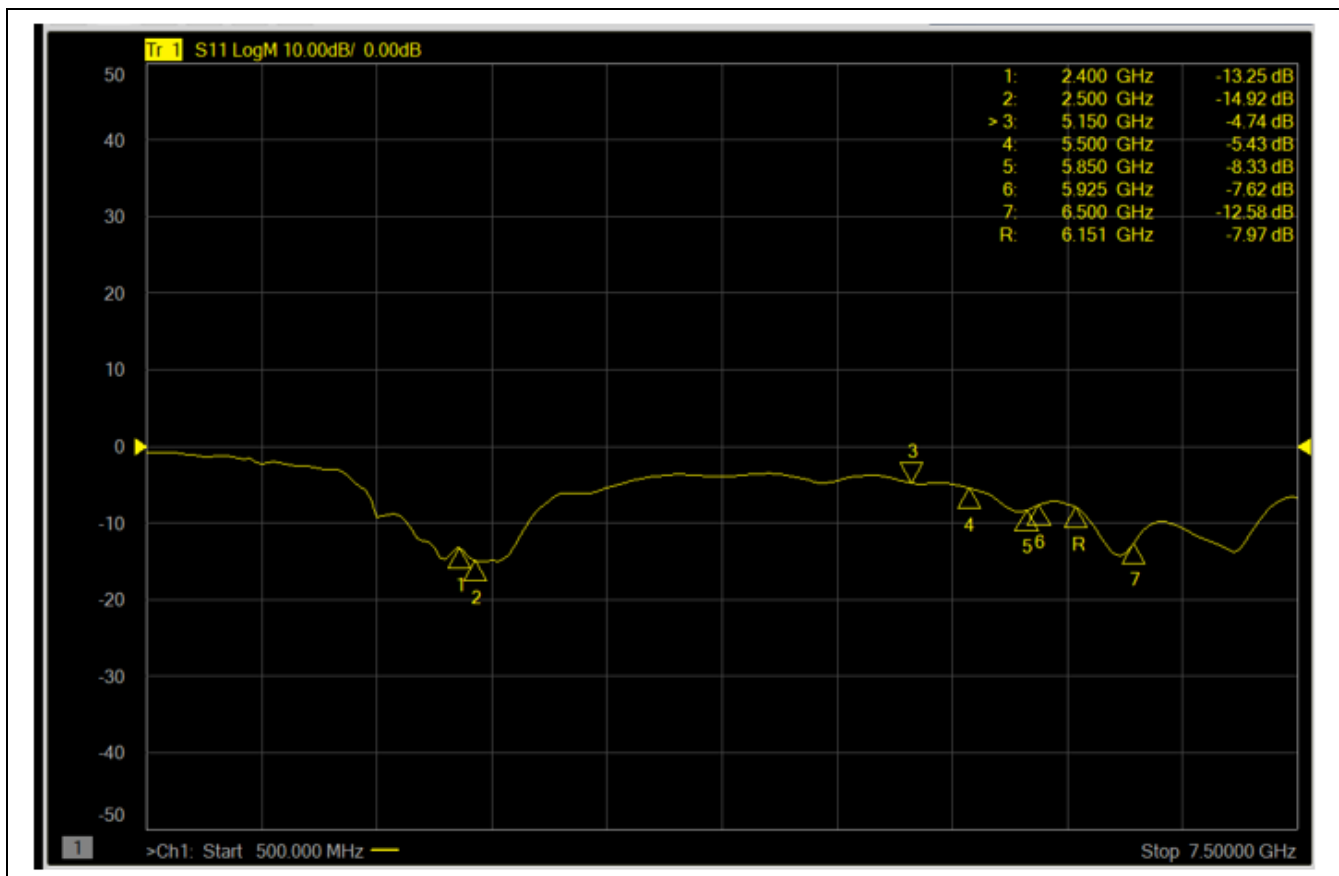
Ant1



Ant2



Ant3

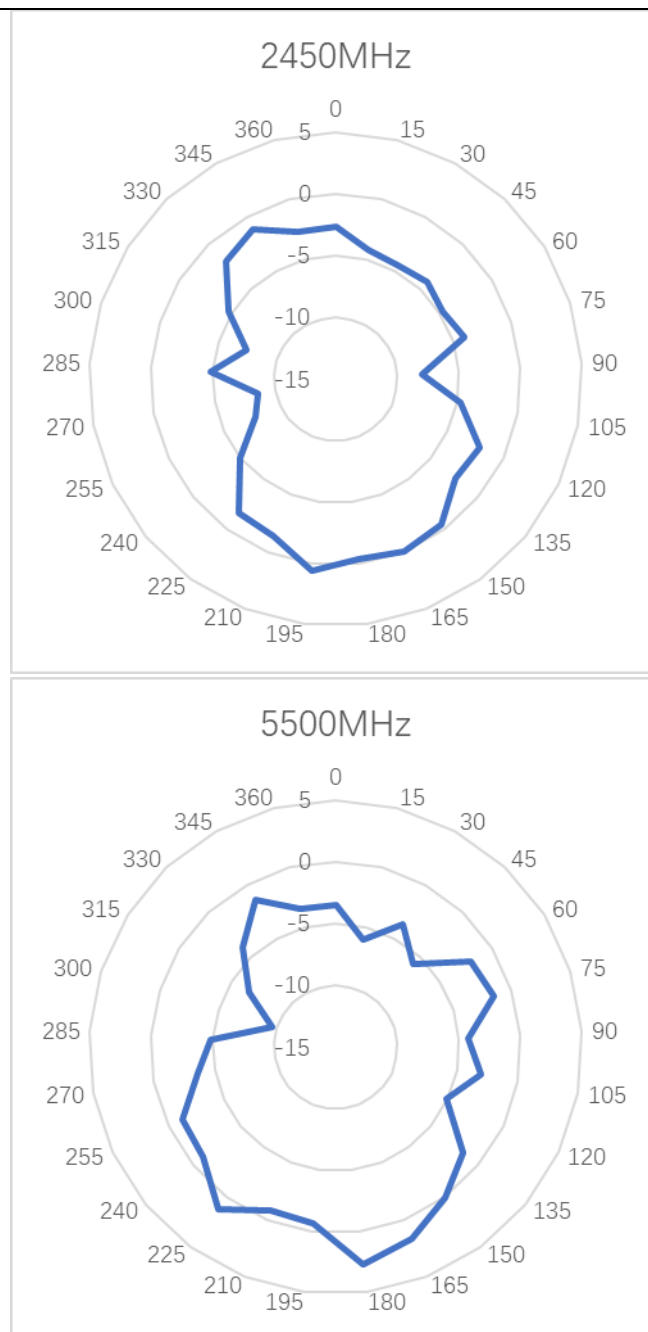


2.4 Antenna Peak Gain

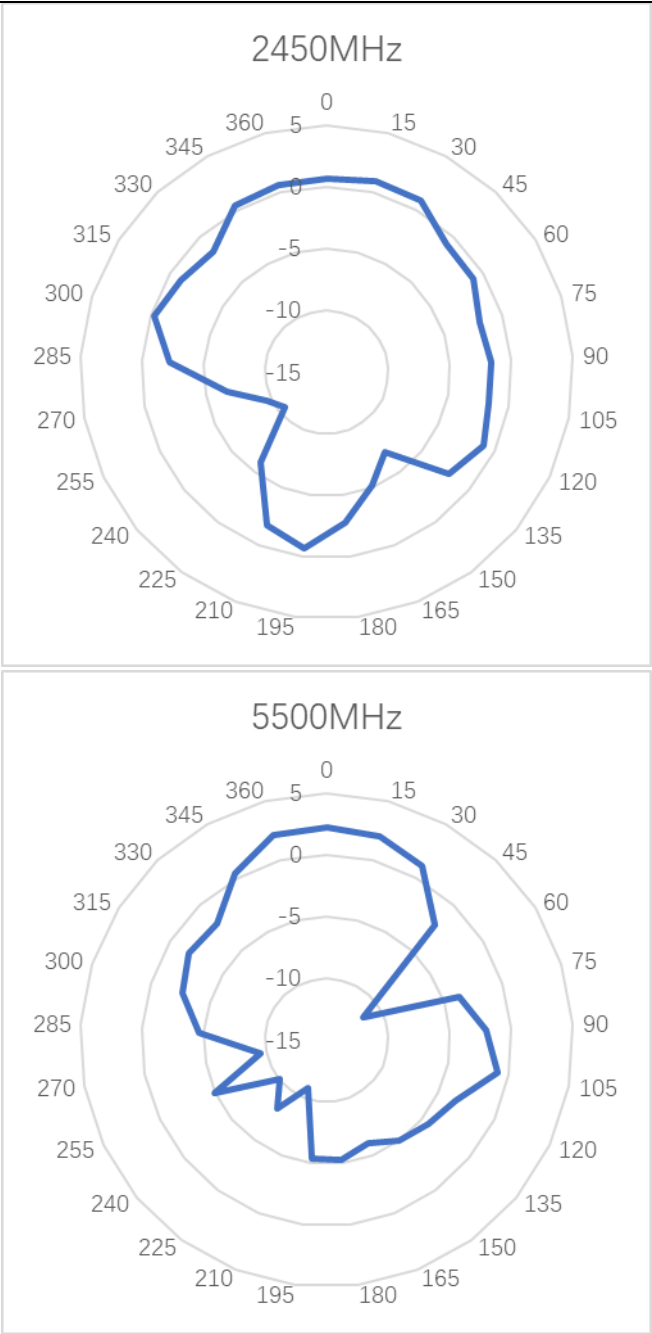
Frequency	2.45GHz 2400~2500MHz	5.2GHz 5150~5250MHz	5.3GHz 5250~5350MHz	5.6GHz 5470~5725MHz	5.8GHz 5725~5895MHz
Ant1 MaxGain(dBi)	1.96	2.72	2.72	2.96	2.96
Ant1 Polarization/ Φ (°) / θ (°)	Theta/180/75	Theta/180/90	Theta/180/90	Theta/180/105	Theta/180/105
Ant2 MaxGain(dBi)	1.98	3.00	2.96	2.65	1.83
Ant2 Polarization/ Φ (°) / θ (°)	Theta/15/75	Theta/15/105	Theta/15/105	Theta/0/105	Theta/345/75
Ant3 MaxGain(dBi)	1.98				
Ant3 Polarization/ Φ (°) / θ (°)	Theta/0/165				
Max Gain(dBi)	1.98	3.00	2.96	2.96	2.96

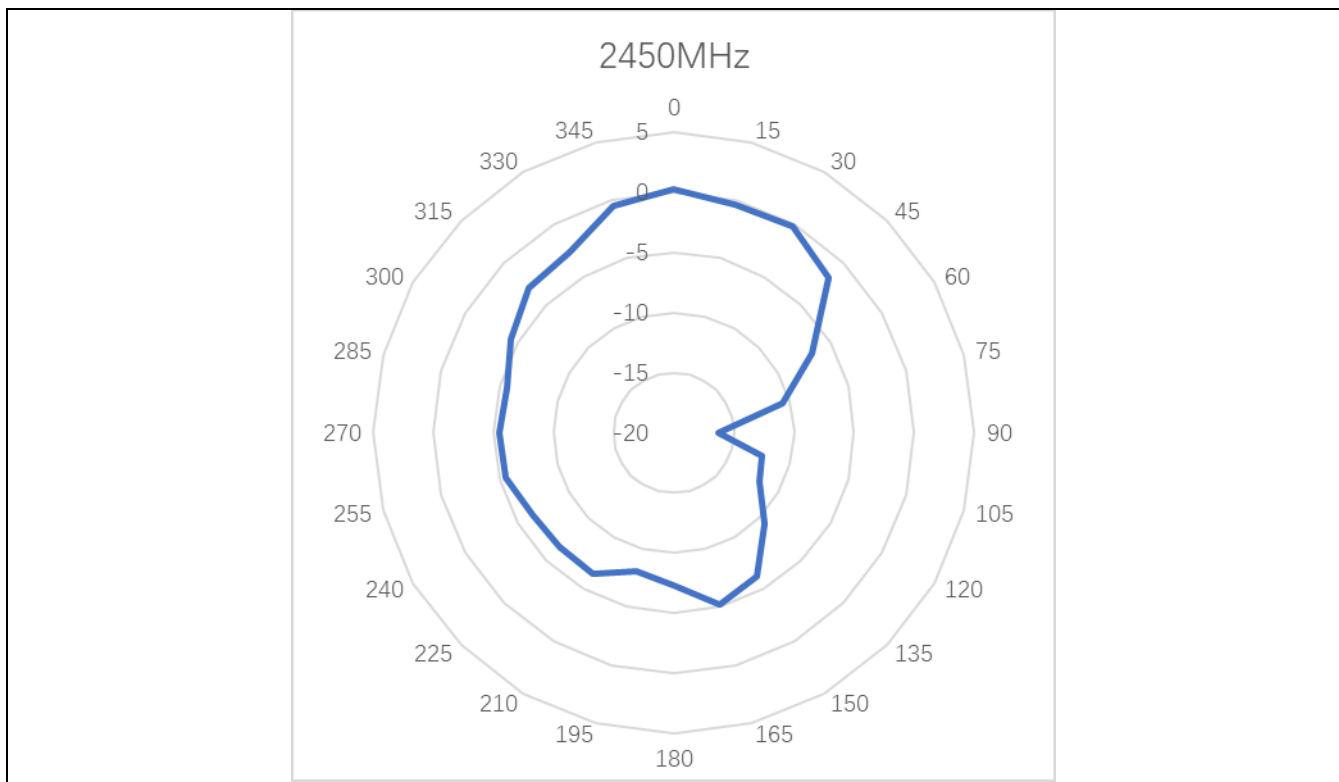
2.5 Antenna Radiation Pattern

Ant1



Ant2





3. Test Pattern

ANT1													
Freq	2500												
Phi\Thet a	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-31.6	-11.81	-6.58	-6.71	-12.65	-3.85	-2.64	-4.81	-8.28	-9.07	-2.9	-4.07	-11.1
15	-26.57	-12.2	-6.34	-5.33	-14.45	-8.7	-4.22	-3.22	-4.35	-5.86	-5.44	-5.93	-11.1
30	-26.59	-12.8	-5.86	-3.23	-8.5	-7.9	-4.49	-2.46	-2.82	-1.81	-2.43	-4.85	-11.1
45	-27.93	-14.5	-5.93	-3.71	-4.89	-5.66	-4.2	-2.37	-2.93	-1.36	-1.18	-2.87	-11.1
60	-25.77	-16.29	-7.93	-5.6	-5.25	-4.75	-4.7	-2.46	-1.83	-5.63	-6.08	-2.33	-11.1
75	-25.41	-19.41	-14.03	-8.76	-8.25	-4.21	-4.03	-3.23	-4.15	-2.8	-8.44	-2.88	-11.1
90	-24.14	-23.01	-20	-18.94	-17.86	-8.22	-7.98	-7.64	-8.87	-6.34	-8.21	-3.55	-11.1
105	-24.62	-20.22	-9.67	-8.92	-8.87	-7.17	-4.66	-4.22	-4.74	-8.51	-10.76	-3.53	-11.1
120	-25.54	-15.69	-5.77	-3.1	-2.37	-2.43	-2.06	-0.57	-1.92	-7.48	-9.54	-3.18	-11.1
135	-27.76	-12.87	-4.05	-0.42	0.02	-0.61	-2.46	-2.47	-3.13	-5.68	-4.89	-3.96	-11.1
150	-26.32	-11.33	-4.06	0.84	0.26	0.83	-0.48	-2.05	-2.22	-0.97	-3.81	-5.49	-11.1
165	-25.76	-10.77	-4.06	0.83	0.79	1.33	-0.03	-1.94	-3.43	-1.86	-7.3	-6.57	-11.1
180	-24.39	-11.08	-3.96	0.2	0.98	1.96	-0.3	-0.24	-3.16	-2.89	-7.94	-5.08	-11.1
195	-25.58	-12.52	-5.26	-0.33	0.18	1.21	0.58	-1.11	-5	-2.28	-5.35	-3.72	-11.1
210	-27.12	-15.15	-8.22	-2.29	-0.91	0.85	-1.35	-1.91	-3.17	-7.9	-8.74	-3.88	-11.1
225	-29.8	-18.86	-12.24	-4.16	-2.18	-1.89	-1.57	-2.57	-5.07	-6.64	-13.75	-5.37	-11.1
240	-33.26	-22.78	-17.6	-6.38	-4.22	-2.41	-5	-3.02	-8.17	-12.71	-12.31	-7.77	-11.1
255	-34.39	-24.01	-22.76	-11.02	-9.34	-6.94	-7.8	-9.66	-10.87	-12.06	-12.34	-10.18	-11.1
270	-33.16	-21.58	-21.33	-16.51	-18.73	-10.07	-8.57	-7.39	-10.54	-9.74	-11.34	-11.1	-11.1
285	-28.16	-19.49	-18.81	-19.54	-14.09	-6.18	-4.85	-5.11	-8.24	-8.85	-10.63	-10.42	-11.1
300	-28.72	-17.46	-15.21	-13.26	-12	-8.86	-7.34	-6.04	-8.35	-9.63	-9.42	-8.84	-11.1
315	-30.08	-15.31	-11.17	-10.64	-18.42	-10.76	-4.69	-6.59	-7.46	-14.48	-8.69	-6.44	-11.1

330	-31.03	-13.59	-8.18	-9.87	-11.43	-4.12	-1.97	-3.3	-7.88	-10.12	-9.61	-4.05	-11.1
345	-32.35	-12.07	-7.04	-7.46	-10.92	-3	-1.13	-2.16	-8.26	-10.14	-5.16	-3.03	-11.1
360	-31.6	-11.81	-6.58	-6.71	-12.65	-3.85	-2.64	-4.81	-8.28	-9.07	-2.9	-4.07	-11.1

ANT2													
Freq	2490												
Phi\Theta a	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-17.41	-14.33	-8.07	-1.7	-0.23	1.5	0.65	-0.38	-2.52	-3.37	-6	-9.8	-16.31
15	-16.92	-13.81	-8.13	-1.79	-0.46	1.98	0.99	-0.82	-2.18	-1.86	-4.69	-7.89	-16.31
30	-16.53	-13.93	-9.08	-2.8	-0.48	1.09	0.85	-1.07	-1.91	-0.74	-4.29	-7.71	-16.31
45	-16.31	-13.77	-9.74	-4.38	-2.43	0.21	-0.77	-0.26	-0.79	-0.18	-2.78	-7.77	-16.31
60	-16.7	-14.1	-9.15	-6.04	-5.32	-2.32	-0.93	-1.22	-1.62	-0.96	-2.12	-7.2	-16.31
75	-16.52	-14.22	-7.55	-6.15	-5.13	-3.16	-1.97	-0.8	-0.53	-1.03	-3.54	-6.83	-16.31
90	-16.53	-14.23	-6.42	-4.04	-3.14	-2.09	-1.63	-1.76	-2.5	-2.58	-6.91	-7.68	-16.31
105	-16.73	-14	-5.93	-2.81	-2.84	-1.31	-1.6	-2.4	-3.59	-4.54	-11.59	-9.97	-16.31
120	-16.48	-13.63	-5.82	-3.09	-4.12	-1.69	-0.95	-2.14	-3.86	-6.11	-18.62	-13.62	-16.31
135	-15.82	-13.18	-6.07	-4.53	-6.36	-4.3	-2.13	-2.17	-4.76	-9.65	-20.4	-16.31	-16.31
150	-15.4	-12.68	-6.06	-6.57	-9.08	-7.5	-7	-4.77	-6.53	-10.62	-14.63	-13.17	-16.31
165	-14.9	-12.18	-6.44	-7.5	-12.15	-7.71	-5.14	-7.26	-9.78	-8.69	-11.27	-10.11	-16.31
180	-15.45	-11.65	-7.11	-7.79	-10.84	-4.71	-2.75	-2.48	-5.5	-8.11	-9.53	-9.24	-16.31
195	-16.36	-11.24	-7.27	-8.83	-12.12	-3.82	-0.61	-1.31	-5.69	-6.3	-9.72	-9.71	-16.31
210	-16.96	-11.16	-7.54	-9.54	-17.28	-5.56	-1.73	-1.85	-4	-6.51	-9.99	-10.48	-16.31
225	-17.08	-11.42	-8.76	-7.73	-12.86	-12.1	-5.95	-3.8	-8.03	-9.66	-8.64	-9.68	-16.31
240	-16.61	-11.74	-9.41	-5.59	-8.31	-9.16	-10.61	-10.09	-14.13	-13.94	-8.51	-8.3	-16.31
255	-16.08	-12.47	-9.02	-5.28	-5.41	-7.23	-9.67	-13.46	-19.58	-13.82	-8.69	-7.69	-16.31
270	-16.12	-13.09	-9.61	-7.26	-5.67	-6.04	-6.8	-8.6	-12.27	-8.39	-8.14	-7.44	-16.31
285	-16.53	-13.86	-12	-10.78	-7.21	-3.81	-2.24	-4.16	-6.93	-5.59	-7.89	-7.49	-16.31
300	-17.01	-14.54	-16.1	-8.3	-5.91	-1.88	-0.32	-1.79	-4.32	-4.91	-9.56	-8.32	-16.31
315	-17.75	-15.26	-14.93	-5.29	-3.56	-1.14	-1.03	-1.05	-3.69	-4.8	-14.66	-10.82	-16.31
330	-18.45	-15.49	-11.18	-3.31	-2.16	-0.58	-1.61	-0.57	-3.57	-4.67	-19.77	-15.91	-16.31
345	-18.37	-15.18	-9.07	-2.36	-0.7	0.49	0.39	-1.34	-1.96	-3.88	-11.53	-14.56	-16.31
360	-17.41	-14.33	-8.07	-1.7	-0.23	1.5	0.65	-0.38	-2.52	-3.37	-6	-9.8	-16.31

ANT3													
Freq	2410												
Phi\Theta a	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-7.5	-10.21	-9.9	-5.08	-3.54	0.41	0.4	0.96	-2.42	1.07	-0.48	1.98	-4.94
15	-7.63	-9.72	-9.04	-4.68	-3.18	-0.1	0.57	1.92	-1.73	0.85	-0.76	1.73	-4.94
30	-7.76	-9.32	-8.27	-4.87	-4.32	-0.91	0.8	0.56	-0.62	-0.03	-1.32	1.32	-4.94
45	-7.87	-8.92	-7.85	-5.29	-6.19	-2	-0.66	-0.94	-1.5	-1.81	-0.95	0.81	-4.94
60	-7.89	-8.57	-7.95	-6.18	-7.03	-3.94	-4.65	-2.25	-4.21	-2.7	-0.78	0.25	-4.94
75	-7.99	-8.21	-8.13	-6.23	-8.34	-7.85	-8.08	-7.27	-5.85	-3.33	-1.56	-0.44	-4.94
90	-8.05	-8.03	-8.03	-4.9	-10.4	-11.91	-14.72	-10.01	-8.21	-5.23	-3.23	-1.65	-4.94
105	-7.9	-7.99	-7.77	-4.07	-10.59	-9.93	-15.58	-11.34	-10.15	-6.61	-5.76	-3.16	-4.94
120	-7.83	-8.06	-7.83	-4.35	-11.12	-8.11	-14.43	-9.7	-10	-6.98	-6.65	-3.83	-4.94
135	-7.86	-8.37	-8.17	-5.54	-13.44	-7.24	-9.88	-6.49	-7.1	-6.27	-6.61	-4.32	-4.94
150	-7.83	-8.81	-8.48	-6.64	-14.74	-7.46	-6.82	-4.17	-3.58	-4.85	-5.37	-4.86	-4.94
165	-7.84	-9.45	-8.4	-6.45	-14.1	-10.69	-6.05	-4.15	-2.07	-2.58	-3.76	-4.94	-4.94

180	-7.81	-10.28	-8.25	-5.62	-11.12	-10.28	-9.49	-4.98	-1.62	-1.49	-2.23	-4.47	-4.94
195	-7.65	-11.04	-8.74	-4.93	-8.75	-6.23	-9.94	-5.9	-1.18	-0.5	-1.16	-3.78	-4.94
210	-7.57	-11.41	-10.32	-5.07	-7.7	-4.24	-9.04	-4.77	-1.64	-0.48	-0.84	-3.45	-4.94
225	-7.47	-11.61	-13.31	-5.99	-8.41	-5.03	-9.86	-4.14	-3.25	-1.8	-1.18	-3.21	-4.94
240	-7.48	-11.58	-17.9	-7.86	-9.97	-7.63	-9.32	-5.62	-5.73	-3.96	-2.17	-2.03	-4.94
255	-7.36	-11.54	-20.35	-10.02	-10.05	-8.53	-6.22	-8.26	-8.54	-5.88	-2.76	-0.41	-4.94
270	-7.29	-11.45	-17.46	-9.99	-10.18	-6.73	-5.33	-9.77	-10.81	-6.6	-2.63	0.6	-4.94
285	-7.39	-11.36	-15.13	-9.22	-10.42	-5.74	-6.41	-9.97	-14.5	-7.01	-1.86	1.06	-4.94
300	-7.5	-11.38	-14.11	-9.56	-8.34	-5.92	-6.1	-9.41	-14.23	-9.02	-1.88	1.32	-4.94
315	-7.48	-11.3	-13.74	-10.22	-6.09	-4.49	-4.43	-5.21	-10.87	-4.48	-2.56	1.55	-4.94
330	-7.54	-10.98	-12.66	-8.75	-5.32	-1.26	-3.49	-1.24	-8.05	-1.03	-1.96	1.72	-4.94
345	-7.49	-10.54	-11.18	-6.5	-4.48	-0.02	-0.7	-0.39	-3.61	0.08	-0.83	1.96	-4.94
360	-7.5	-10.21	-9.9	-5.08	-3.54	0.41	0.4	0.96	-2.42	1.07	-0.48	1.98	-4.94

ANT1													
Freq	5250												Freq
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-5.57	-7.94	-5.99	-3.26	-4.74	-6.15	-3.46	-1.64	-8.21	-13.21	-14.08	-15.21	-15.21
15	-5.55	-7.88	-5.1	-3.53	-4.49	-5.76	-6.01	-5.53	-8.68	-10.67	-13.69	-9.45	-15.21
30	-5.52	-7.59	-6.56	-3.21	-4.13	-2.79	-3.66	-5.77	-14.82	-17.12	-15.65	-11.05	-15.21
45	-5.53	-7.75	-8.43	-3.64	-4.09	-2.08	-5.79	-12.71	-18.83	-10.26	-10.5	-9.18	-15.21
60	-5.47	-8.21	-11.67	-4.3	-2.87	-1.88	-2.04	-4.61	-7.69	-6.5	-7.05	-6.63	-15.21
75	-5.59	-8.58	-12.95	-4.21	-1.71	-1.28	-1.56	-2.92	-5.36	-3.52	-7.35	-5.92	-15.21
90	-5.63	-9.18	-11.01	-4.85	-4.71	-5.59	-4.21	-2.8	-8.06	-7.31	-7.57	-5.33	-15.21
105	-5.42	-9.52	-9.79	-6.94	-6.58	-4.44	-2.98	-1.79	-6.47	-8	-5.7	-4.48	-15.21
120	-5.29	-9.88	-11.58	-10.3	-10.56	-6.76	-5.13	-4.5	-5.27	-5.4	-4.85	-5.01	-15.21
135	-5.3	-10.23	-15.07	-15.35	-13.07	-5.6	-1.55	-0.91	-2.78	-3.63	-3.95	-5.5	-15.21
150	-5.71	-10.24	-12.66	-9.01	-6.52	-2.01	0.11	0.99	-0.24	-0.86	-4.35	-5.77	-15.21
165	-6.11	-9.53	-10.29	-5.31	-3.07	0.3	1.67	2.07	0.24	-0.58	-3.28	-6.69	-15.21
180	-6.23	-9.04	-10.07	-5.07	-1.94	0.95	2.72	2.18	0.24	-0.11	-3.23	-8.51	-15.21
195	-5.85	-8.9	-11.34	-7.32	-3.2	-0.79	-0.66	-0.51	-0.91	-0.67	-5.85	-8	-15.21
210	-5.49	-8.46	-10.09	-9.61	-4.77	-1.12	-0.78	-0.1	-1.57	-1.23	-6.25	-7.79	-15.21
225	-5.31	-7.88	-8.2	-11.17	-8.44	-1.49	1.27	1.42	-1.66	-2.78	-8.45	-7.03	-15.21
240	-5.52	-7.56	-7.49	-7.41	-5.79	-3.09	-1.06	-0.16	-2.09	-3.4	-6.24	-6.99	-15.21
255	-5.81	-7.52	-8.99	-7.56	-5.94	-3.51	-1.31	-0.66	-2.55	-4.33	-7.08	-7.26	-15.21
270	-6.16	-7.73	-10.72	-11.37	-13.16	-8.57	-3.59	-3.5	-5.81	-4.23	-5.46	-9	-15.21
285	-6	-8.37	-11.92	-10.23	-12.67	-9.16	-4.8	-5.31	-7.3	-4.98	-4.16	-11.75	-15.21
300	-5.73	-9.12	-11.81	-7.29	-11.68	-4.7	-9.56	-12.37	-11.92	-6.88	-6.35	-14.67	-15.21
315	-5.53	-9.21	-9.27	-3.02	-8.09	-2.99	-6.62	-9.77	-9.61	-6.46	-8.57	-14.25	-15.21
330	-5.29	-8.8	-7.55	-1.54	-8.52	-5.46	-3.98	-3.61	-9.32	-9.61	-11.41	-10.69	-15.21
345	-5.33	-8.18	-6.44	-1.68	-6.82	-6.31	-1.41	0	-7.84	-8.89	-13.09	-12.9	-15.21
360	-5.57	-7.94	-5.99	-3.26	-4.74	-6.15	-3.46	-1.64	-8.21	-13.21	-14.08	-15.21	-15.21

ANT2													
Freq	5250												
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-9.03	-12.77	-10.6	-5.32	-2.27	0.73	2.19	2.2	-0.05	-0.33	-3.67	-9.04	-15.5
15	-9.13	-13.78	-10.42	-3.6	-1.86	0.41	2.09	2.96	0.46	-1.49	-4.38	-7	-15.5

30	-8.88	-14.84	-11.29	-3.92	-2.49	-0.59	1.09	2.37	-1.49	-3.68	-5.08	-6.32	-15.5
45	-8.67	-15.77	-14.3	-4.85	-5.31	-3.77	-2.16	-1.26	-6.9	-5.89	-4.73	-5.65	-15.5
60	-8.85	-13.29	-9.7	-7.21	-8.42	-10.04	-11.53	-10.31	-7.75	-4.21	-4.9	-5.58	-15.5
75	-9.09	-11.5	-7.22	-6.25	-8.27	-5.76	-3.73	-1.97	-4.66	-5.17	-5.2	-5.99	-15.5
90	-9.05	-11.41	-9.89	-9.89	-8.2	-5.77	-2.09	-1.65	-4.06	-2.26	-4.96	-5.32	-15.5
105	-8.94	-12.27	-14.43	-6.14	-4.36	-1.6	-0.87	-1	-3.51	-3.99	-7.43	-4.87	-15.5
120	-8.93	-11.91	-12.75	-4.37	-4.86	-2.5	-3.52	-3.11	-5.76	-4.22	-9.17	-5.4	-15.5
135	-8.68	-11.61	-8.97	-4.06	-6.29	-3.44	-4.34	-6.51	-7.23	-9.19	-10.16	-6.18	-15.5
150	-8.64	-11.46	-9.73	-6.24	-7.81	-5.29	-5.01	-6.34	-11.37	-13.53	-13.34	-7.13	-15.5
165	-8.19	-12.84	-10.23	-8.86	-12.38	-6.46	-5.99	-6.19	-10.68	-9.78	-16.17	-8.47	-15.5
180	-7.71	-16.37	-11.87	-10.42	-13.64	-7	-5.22	-3.08	-9.25	-10.16	-14.8	-8.05	-15.5
195	-7.49	-20.92	-10.91	-8.28	-15.1	-9.32	-5.39	-2.75	-10.83	-14.82	-12.48	-9.71	-15.5
210	-7.58	-19.29	-9.1	-6.96	-14.97	-11.78	-10.79	-7.84	-11.95	-8.94	-11.98	-11.82	-15.5
225	-7.75	-16.43	-9.72	-5.99	-13.5	-8.04	-8.14	-15.75	-12.76	-6.39	-10.01	-12.43	-15.5
240	-7.98	-14.48	-11.34	-7.77	-11.46	-8.56	-10.02	-13.44	-12.88	-6.21	-6.06	-14.96	-15.5
255	-7.93	-12.49	-13.28	-11.55	-10.89	-7.26	-4.94	-7.06	-6.08	-4.01	-5.48	-11.97	-15.5
270	-7.7	-10.78	-11.91	-9.02	-11.74	-11.76	-9.56	-7.53	-9.31	-8.67	-12.81	-10.4	-15.5
285	-7.63	-9.81	-11.15	-8.88	-9.42	-8.24	-4.62	-1.88	-6.31	-3.02	-14.58	-10.83	-15.5
300	-7.55	-9.45	-11.53	-11.07	-7.97	-7.79	-2.71	-1.5	-4.79	-2.84	-13.84	-12.14	-15.5
315	-7.74	-9.47	-11.03	-8.61	-4.56	-2.28	-1.81	-0.84	-3.56	-3.81	-8.23	-15.5	-15.5
330	-8.16	-9.97	-12.06	-7.83	-4.29	-1.42	-2.01	-2.09	-1.54	-1.4	-5.66	-13.14	-15.5
345	-8.77	-11.14	-12.85	-7.11	-4.25	-0.63	0.39	-0.78	-2.04	0.27	-2.73	-10.45	-15.5
360	-9.03	-12.77	-10.6	-5.32	-2.27	0.73	2.19	2.2	-0.05	-0.33	-3.67	-9.04	-15.5

ANT1													
Freq	5750												
Phi\Thet a	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-7.39	-13.53	-9.26	-6.51	-2.97	-2.21	-4.51	-6.28	-12.93	-6.52	-11.4	-12.06	-13.94
15	-7.51	-14.34	-8.72	-7.8	-6.36	-1.15	-2.79	-7.05	-21.02	-15.66	-14.3	-9.37	-13.94
30	-7.48	-13.21	-10.3	-5.21	-8.12	-2.62	-4.59	-10.95	-13.08	-8.95	-13.83	-9.34	-13.94
45	-7.21	-11.43	-12.64	-7.25	-6.05	-5.45	-5.06	-10.73	-6.81	-4.44	-7.78	-6.51	-13.94
60	-6.91	-10.81	-17.38	-10.92	-4.89	-4.64	-4.67	-6.19	-6.44	-5.23	-7.88	-5.35	-13.94
75	-6.79	-10.69	-16.19	-9.88	-6.83	-5.55	-4.27	-4.15	-5.49	-6.19	-9.51	-4.92	-13.94
90	-7.31	-9.8	-13.12	-16.25	-8.88	-4.21	-1.27	-1.08	-3.54	-6.51	-11.77	-5.56	-13.94
105	-7.37	-8.42	-14.16	-16.11	-10.14	-8.64	-2.48	-2.69	-4.84	-10.15	-13.18	-6.14	-13.94
120	-7.46	-7.08	-13.47	-11.52	-2.93	-0.51	0.32	-0.97	-5.13	-5.95	-11.93	-7.04	-13.94
135	-7.37	-6.02	-9.21	-8.85	-2.52	1.42	0.23	0.56	-2.68	-3.02	-9.71	-7.43	-13.94
150	-7.57	-5.01	-6.11	-6.99	-5.34	-1.04	-0.45	-1.15	-2.68	-1.18	-7.64	-7.14	-13.94
165	-7.54	-4.25	-3.97	-4.67	-4.91	-1.27	0.31	0.76	-0.92	-0.88	-5.74	-6.18	-13.94
180	-7.73	-4.48	-3.33	-1.88	-1.87	1.44	1.87	2.96	0.93	-0.6	-3.76	-5.91	-13.94
195	-7.59	-5.14	-4.32	-1.98	-0.92	1.92	1.65	2.75	-0.07	-1.43	-3.26	-7.17	-13.94
210	-7.56	-5.92	-5.45	-3.43	-3.26	-2.28	-1.51	-1.03	-2.44	-2.38	-4.16	-7.86	-13.94
225	-7.3	-6.5	-9.49	-3.83	-4.32	-2.63	-2.32	0.11	-1.81	-1.96	-4.39	-10.33	-13.94
240	-7.44	-7.04	-12.56	-8.03	-7.73	-3.78	0.03	1.09	-1.88	-3.71	-6.9	-10.5	-13.94
255	-7.55	-7.41	-11.28	-10.66	-9.58	-4.24	-0.85	-0.64	-2.64	-3.11	-7.06	-10.98	-13.94
270	-7.82	-7.47	-8.52	-8.51	-11.51	-7.61	-3.93	-4.46	-4.08	-2.21	-7.15	-9.48	-13.94
285	-7.74	-7.66	-8.42	-9.82	-14.02	-4.94	-2.52	-4.97	-7.09	-5.97	-7.62	-8.15	-13.94
300	-7.58	-8.58	-9.31	-13.17	-15.04	-7.64	-5.75	-10.83	-13.75	-5.88	-8.3	-9.21	-13.94
315	-7.14	-10.05	-9.98	-12.34	-9.99	-6.28	-5.75	-9.33	-14.12	-7.03	-9.61	-12.14	-13.94

330	-6.79	-11.57	-9.89	-6.88	-6.16	-10.27	-5.99	-5.43	-11.9	-9.87	-13.84	-12.18	-13.94
345	-6.8	-12.63	-9.1	-4.6	-4.2	-7.2	-4.25	-1.83	-8.35	-5.75	-13.3	-13.94	-13.94
360	-7.39	-13.53	-9.26	-6.51	-2.97	-2.21	-4.51	-6.28	-12.93	-6.52	-11.4	-12.06	-13.94

ANT2													
Freq	5750												
Phi\Theta a	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-8.63	-10.07	-8.52	-4.67	-2.44	1.37	0.85	1.64	-0.15	-1.95	-4.36	-4.94	-14.87
15	-8.81	-10.43	-7.49	-5.82	-4.24	-0.17	-0.01	0.24	-1.15	-3.27	-5.37	-6.05	-14.87
30	-8.57	-10.31	-8.12	-5.82	-4.61	0.25	0.36	-0.1	-1.14	-4.88	-7.87	-5.11	-14.87
45	-8.45	-10.36	-11.47	-6.71	-2.73	1.68	1.29	0.59	-1.83	-7.21	-9.11	-5.78	-14.87
60	-8.41	-10.93	-16.89	-9.58	-4.11	0.14	-1.57	-2.73	-6.44	-9.25	-6.79	-6.67	-14.87
75	-8.75	-11.27	-14.06	-11.28	-9.32	-6.66	-8.43	-5.03	-4.35	-5.57	-4.91	-6.77	-14.87
90	-8.81	-10.91	-10.24	-7.8	-8.19	-4.42	-2.34	-0.29	-3.09	-3.11	-5.26	-6.99	-14.87
105	-8.83	-10.39	-10.67	-5.76	-6.43	-5.46	-2.01	-2.37	-7.66	-9.26	-9.28	-6.74	-14.87
120	-8.77	-10.12	-14.72	-4.67	-4.07	-4.82	-3.37	-3.2	-9.44	-6.62	-11.52	-6.74	-14.87
135	-8.79	-10.39	-16.44	-6.34	-6.92	-6.97	-6.79	-7.73	-5.89	-7.3	-8.95	-7.3	-14.87
150	-8.64	-10.61	-11.69	-6.86	-8.72	-5.06	-5.1	-8.99	-15.52	-9.17	-11.46	-7.82	-14.87
165	-8.29	-10.45	-9.71	-8.72	-17.53	-5.43	-3	-6.42	-14.4	-14.14	-13.79	-8.69	-14.87
180	-7.67	-11.13	-9.22	-10.16	-9.39	-5.34	-3.28	-5.67	-10.77	-8.59	-13.58	-10.4	-14.87
195	-7.36	-12	-10.16	-9.68	-9.1	-11.13	-5.78	-3.63	-11.26	-11.28	-12.82	-12.3	-14.87
210	-7.45	-11.91	-10.52	-6.74	-9.37	-15.45	-11.55	-8.28	-14.97	-10.55	-11.62	-12.45	-14.87
225	-7.75	-11.76	-12.53	-7.11	-9.36	-6.95	-6.69	-15.76	-14.68	-7.18	-8.26	-14.54	-14.87
240	-7.98	-11.77	-14.01	-10.25	-13.45	-7.19	-7.71	-15.38	-10.57	-6.3	-7.85	-14.87	-14.87
255	-7.86	-11.32	-14.95	-15.1	-20.94	-10.13	-6.52	-8.44	-10.02	-6.8	-8.23	-13.8	-14.87
270	-7.54	-10.97	-12.35	-11.71	-14.01	-11.67	-6.57	-6.03	-8.37	-8.98	-10.66	-12.44	-14.87
285	-7.35	-10.81	-13.15	-11.12	-10.53	-7.82	-6.35	-4.27	-11	-5.06	-10.98	-9.94	-14.87
300	-7.3	-10.71	-12.27	-10.94	-8.26	-4.15	-3.49	-3.35	-7.22	-8.56	-9.13	-8.3	-14.87
315	-7.48	-10.48	-11.22	-8.69	-7.09	-3.13	-2.14	-2.11	-4.66	-8.25	-5.72	-6.45	-14.87
330	-7.78	-10.17	-10.27	-6.13	-3.62	-0.67	0.1	-0.96	-3.33	-4.21	-4.94	-6.19	-14.87
345	-8.28	-9.82	-10.04	-4.59	-1.56	1.83	1.5	1.56	-0.58	-2.44	-4.06	-5.04	-14.87
360	-8.63	-10.07	-8.52	-4.67	-2.44	1.37	0.85	1.64	-0.15	-1.95	-4.36	-4.94	-14.87