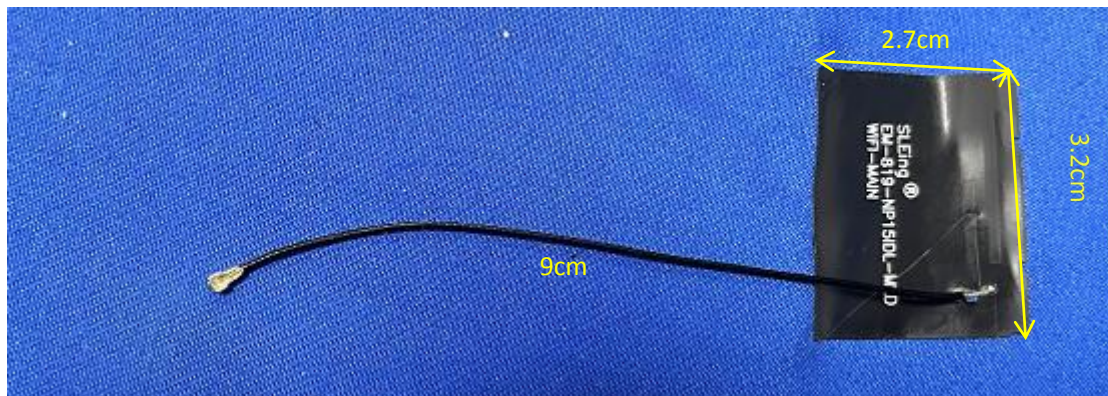
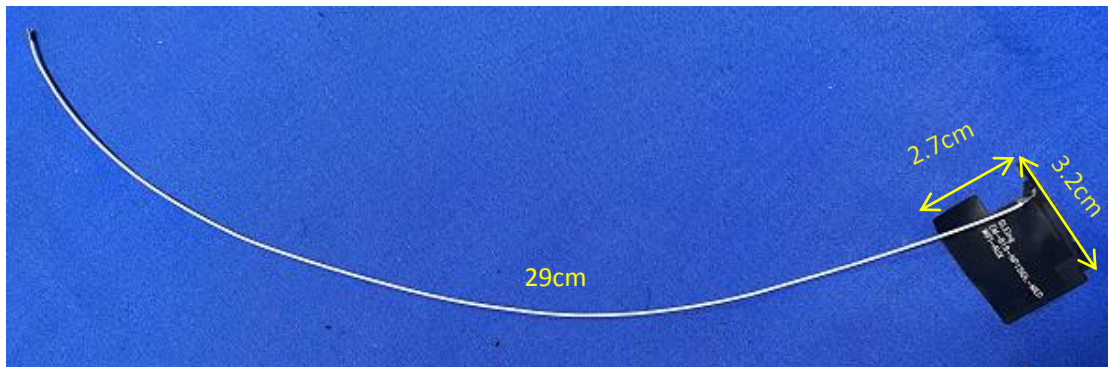

SPECIFICATION FOR APPROVAL

Manufacturer Name/ Address	Thinkview International Limited Room 1602, Bldg 4, Nan Tai Yun Chuang Gu, Fenghuang Street, Guangming District, Shenzhen		
Customer Project Name	W042	SDC Project Name	W042
Customer P/N		SDC P/N	EM-819-NP15IDL-MED
ANTENNA SPEC.	FPC antenna : WIFI/BT 2.4G/5G		
Version	A0		

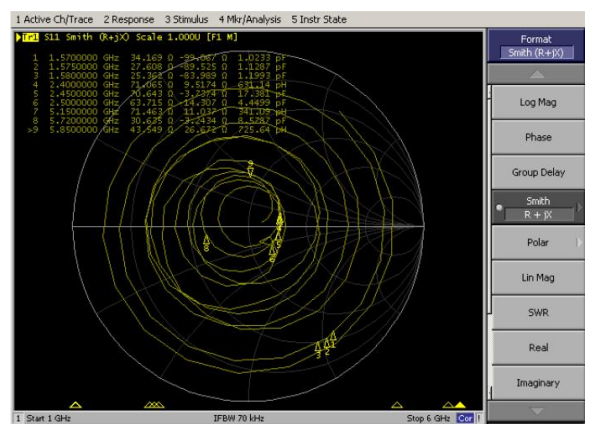
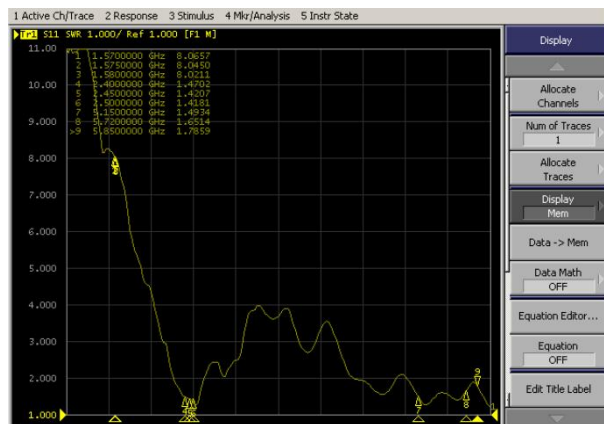
SLEing®EM-819-NP15IDL-MED WIFI-MIAN



SLEing®EM-819-NP15IDL-MED WIFI-AUX



S11 Parameter-VSWR



2. Antenna Matching Network

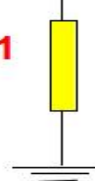
Antenna



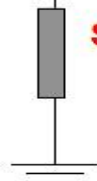
**Series
N/A**

PA

**Shunt 01
N/A**



**Shunt 02
N/A**

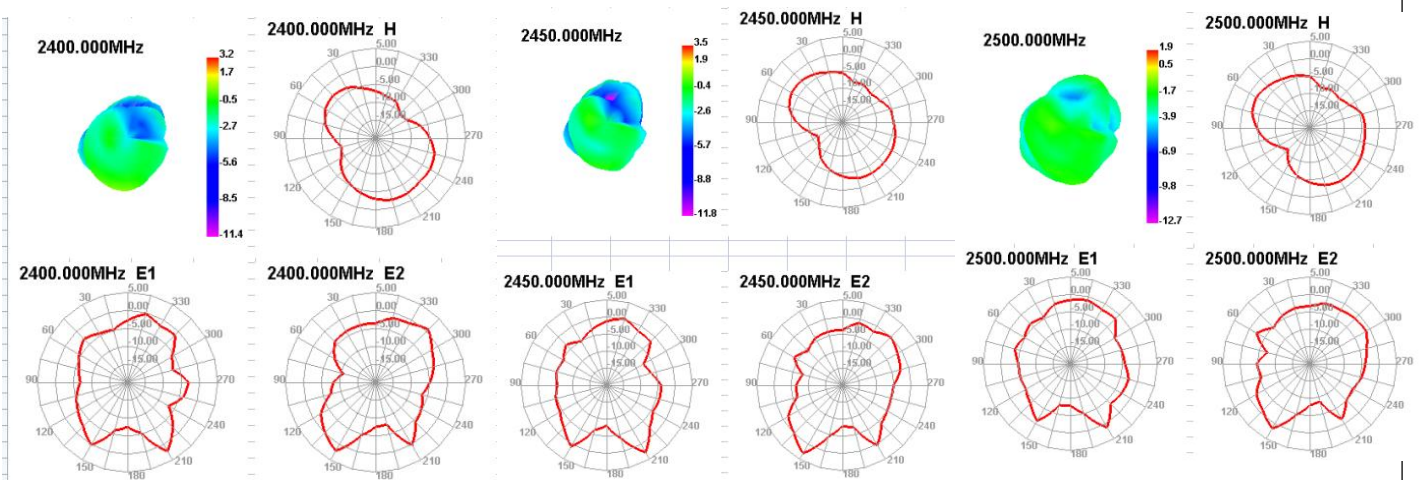


MANI Antenna

3.Gain & Efficiency

Passive Test For 2.4G

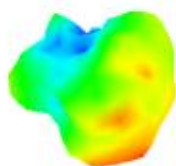
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	AttH (dB)	AttV (dB)
2400	46.9	-3.29	3.16	1.01	22.318	24.858	3.16	-11.43	49.25	48.85
2450	49.71	-3.04	3.46	1.31	22.77	26.939	3.46	-11.81	49.38	49.16
2500	49.11	-3.36	1.93	-0.22	23.105	23.007	1.93	-12.73	49.46	49.37



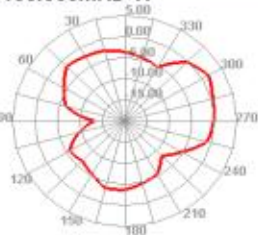
Passive Test For 5.8G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	AttH (dB)	AttV (dB)
5150	43.79	-3.59	1.57	-0.58	26.644	17.141	1.57	-18.08	61.56	60.95
5207.14	40.4	-4.04	0.87	-1.28	23.155	16.245	0.87	-20.26	60.8	60.51
5314.28	40.93	-4.33	0.52	-1.63	21.301	16.362	0.52	-17.83	60.49	59.93
5421.43	42.97	-3.67	1.36	-0.79	24.578	18.389	1.36	-21.39	61.44	60.95
5528.57	44.41	-3.53	1.87	-0.28	26.025	18.384	1.87	-22.99	63.27	62.62
5635.71	40.03	-4.31	0.72	-1.43	21.579	15.451	0.72	-21.86	63.73	63.15
5742.85	42.47	-3.72	1.36	-0.78	23.828	18.643	1.36	-21.09	64.06	63.48
5849.99	46.72	-3.3	1.82	-0.33	25.53	21.193	1.82	-18.71	64.26	64

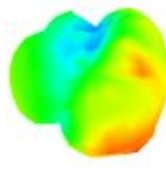
5100.000MHz



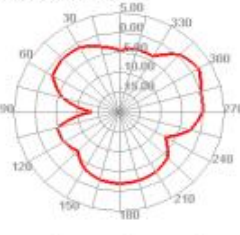
5100.000MHz H



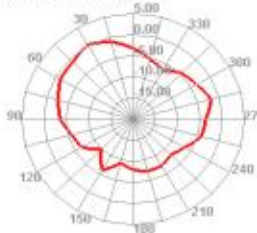
5528.568MHz



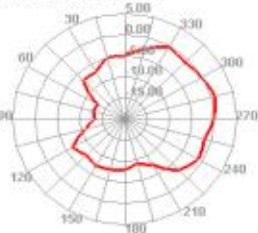
5528.568MHz H



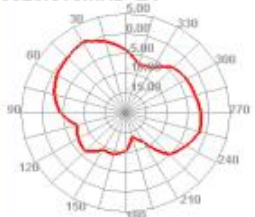
5100.000MHz E1



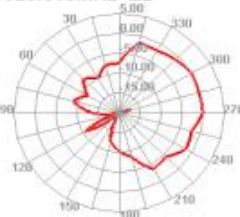
5100.000MHz E2



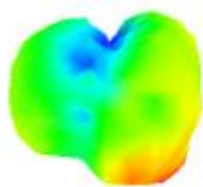
5528.568MHz E1



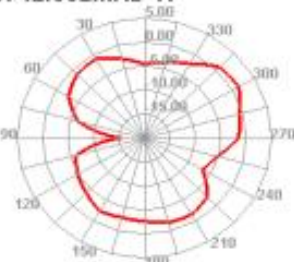
5528.568MHz E2



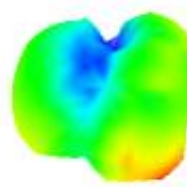
5742.852MHz



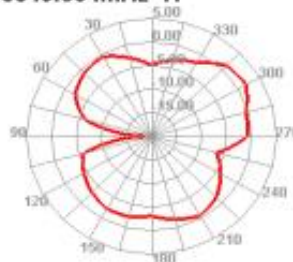
5742.852MHz H



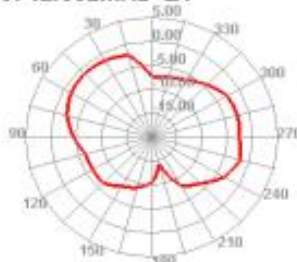
5849.994MHz



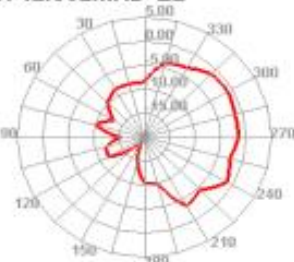
5849.994MHz H



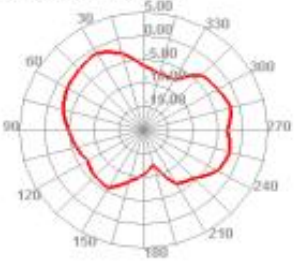
5742.852MHz E1



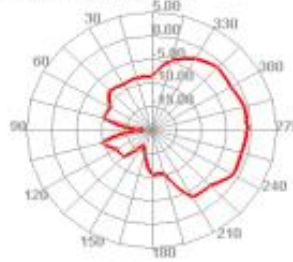
5742.852MHz E2



5849.994MHz E1



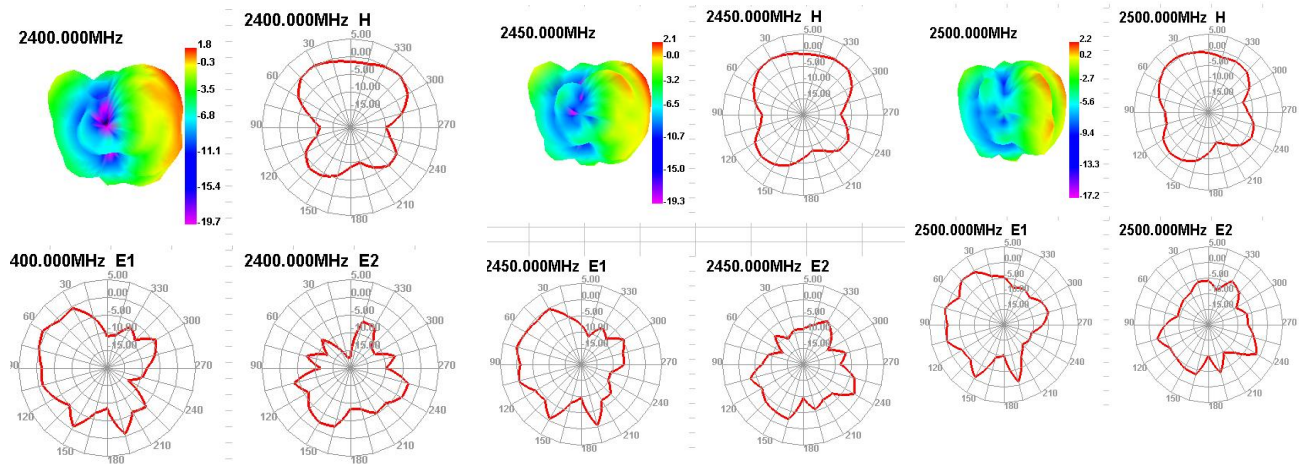
5849.994MHz E2



AUX Antenna

Passive Test For 2.4G

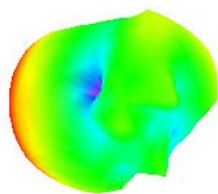
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	AttH (dB)	AttV (dB)
2400	43.91	-3.57	1.84	-0.31	22.401	21.511	1.84	-19.67	49.25	48.85
2450	44.86	-3.48	2.13	-0.02	22.886	21.973	2.13	-19.33	49.38	49.16
2500	45.49	-3.42	2.16	0.01	23.63	21.862	2.16	-17.15	49.46	49.37



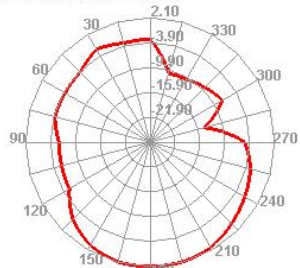
Passive Test For 5.8G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	AttH (dB)	AttV (dB)
5150	43.79	-3.59	1.57	-0.58	26.644	17.141	1.57	-18.08	61.56	60.95
5207.14	40.4	-4.04	0.87	-1.28	23.155	16.245	0.87	-20.26	60.8	60.51
5314.28	40.93	-4.33	0.52	-1.63	21.301	16.362	0.52	-17.83	60.49	59.93
5421.43	42.97	-3.67	1.36	-0.79	24.578	18.389	1.36	-21.39	61.44	60.95
5528.57	44.41	-3.53	1.87	-0.28	26.025	18.384	1.87	-22.99	63.27	62.62
5635.71	40.03	-4.31	0.72	-1.43	21.579	15.451	0.72	-21.86	63.73	63.15
5742.85	42.47	-3.72	1.36	-0.78	23.828	18.643	1.36	-21.09	64.06	63.48
5849.99	46.72	-3.3	1.82	-0.33	25.53	21.193	1.82	-18.71	64.26	64

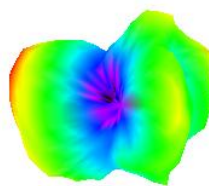
5100.000MHz



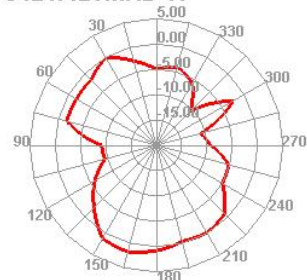
5100.000MHz H



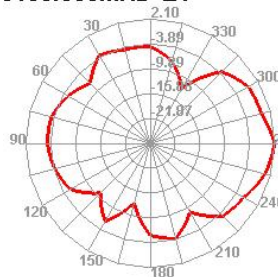
5421.426MHz



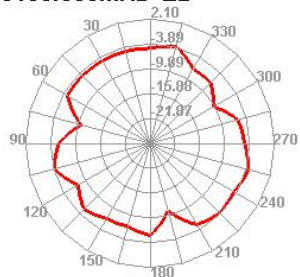
5421.426MHz H



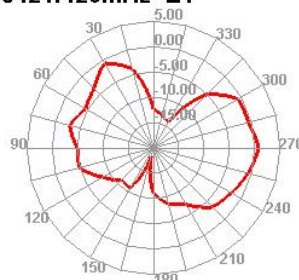
5100.000MHz E1



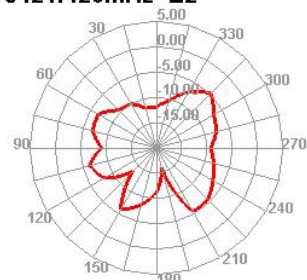
5100.000MHz E2



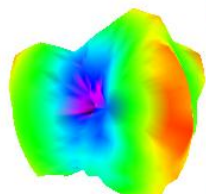
5421.426MHz E1



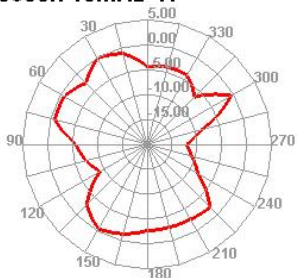
5421.426MHz E2



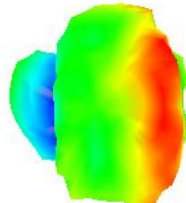
5635.710MHz



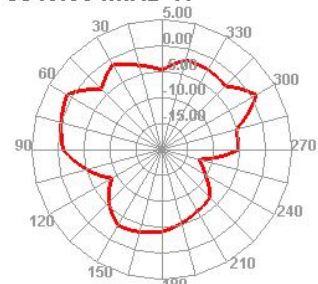
5635.710MHz H



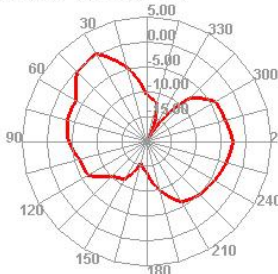
5849.994MHz



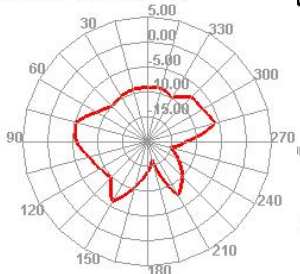
5849.994MHz H



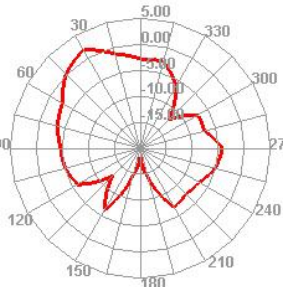
5635.710MHz E1



5635.710MHz E2



849.994MHz E1



5849.994MHz E2

