

Production specification

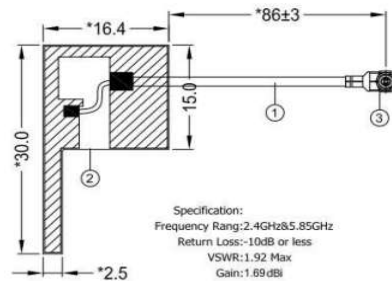
Manufacture:LANYI TECHNOLOGY

MFG address:No.33 zhenxing road, yangkeng tang, dalang town, dongguan city

Part no:PL-TX01-A001

Frequence range	5150-5850Mhz		
Ant.Port input Pwr(dBM)	-20		
Tot. Rad. Pwr(dBM)	-4.3		
peak EIRP(dBM)	1.7		
directivity(dBi)	4.7		
Efficiency(dB)	-4.3		
Gain(dBi)	1.69		
Maximum power(dBM)	1.7		
minimum power(dBM)	-17		
Avg. power(dBM)	-0.4		
input impedance(ohm)	50		
polarization type	Linear		
V. S. W. R	≤ 1.92		

Antenna size



3	IPEX II Au Plating	1	958-C208-Y-W-BU-A0
2	FPC	1	30mm/16.4/0.1mm
1	Coaxial Cable	1	O.D. 0.81mm (Black)
NO	PART NAME	Q'TY	DESCRIPTION

 蓝一通讯科技有限公司			Tel:0769-81239683 13536661663	
LANYI TECHNOLOGY				
TITLE: FPC Antenna L=86 MHF				
PART NO.: PL-TX01-A001			DWG NAME: LY-P02.dwg	
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
		马 兰	UNITS: mm SCALE: 1/1 REVISION: A	X. ±1.0 X.X ±0.5 X.XX ±0.2

Antenna Gain

unit in dBi@5.8Ghz	XY-plane		efficiency
	Peak	Avg.	
Antenna value	1.69	-0.48	36.35%

Passive Test For 5.8G										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
5150	27.25	-5.65	-0.27	-2.42	12.75	14.497	-0.27	-24.39	57.58	57.25
5160	22.47	-6.48	-0.98	-3.13	10.657	11.818	-0.98	-25.11	56.38	56.07
5170	24.88	-6.04	-0.42	-2.57	11.78	13.1	-0.42	-25.42	56.51	56.59
5180	21.66	-6.64	-0.96	-3.11	10.383	11.282	-0.96	-25.95	57.44	57.09
5190	30.44	-5.17	0.81	-1.34	14.477	15.959	0.81	-23.75	56.84	56.7
5200	27.01	-5.69	0.31	-1.84	12.995	14.011	0.31	-23.88	56.44	56.38
5210	31.91	-4.96	1.11	-1.04	15.242	16.664	1.11	-21.81	56.72	56.4
5220	25	-6.02	-0.18	-2.33	12.136	12.864	-0.18	-21.37	56.5	56.32
5230	32.22	-4.92	1.06	-1.09	15.652	16.573	1.06	-20.31	56.92	56.88
5240	30.12	-5.21	0.8	-1.35	14.615	15.503	0.8	-20.58	57.04	56.59
5250	36.35	-4.39	1.69	-0.46	17.561	18.79	1.69	-19.44	57.26	57.19
5260	30.23	-5.2	0.85	-1.3	14.621	15.607	0.85	-20.07	57.49	57.25
5270	32.39	-4.9	1.09	-1.06	15.805	16.582	1.09	-20.1	56.98	56.3
5280	29.67	-5.28	0.68	-1.47	14.42	15.246	0.68	-20.4	56.2	55.99
5290	33.17	-4.79	1.05	-1.1	16.205	16.967	1.05	-20.64	57.09	56.78
5300	30.09	-5.22	0.83	-1.32	14.609	15.481	0.83	-21.05	57.19	56.57
5310	29.12	-5.36	0.66	-1.49	14.211	14.907	0.66	-21.55	56.82	56.48
5320	28.2	-5.5	0.6	-1.55	13.565	14.637	0.6	-21.37	57.96	57.37
5330	24.64	-6.08	-0.11	-2.26	11.898	12.741	-0.11	-21.23	56.56	55.85
5340	26.76	-5.73	0.44	-1.71	12.886	13.873	0.44	-20.13	56.88	56.54
5350	23.98	-6.2	0.02	-2.13	11.524	12.453	0.02	-20.14	57.43	56.7
5360	29.52	-5.3	1.09	-1.06	14.094	15.423	1.09	-19.15	57.8	57.04
5370	21.92	-6.59	-0.07	-2.22	10.499	11.424	-0.07	-20.94	56.95	56.46
5380	22.92	-6.4	0.07	-2.08	10.964	11.956	0.07	-21.13	57.73	56.75
5390	17.64	-7.54	-1.11	-3.26	8.428	9.208	-1.11	-22.32	57.23	56.4

5400	30.47	-5.16	1.17	-0.98	14.684	15.786	1.17	-20.71	58.21	57.62
5410	24.67	-6.08	0.28	-1.87	11.907	12.765	0.28	-21.15	58.52	57.38
5420	28.85	-5.4	0.85	-1.3	13.933	14.92	0.85	-20.68	57.63	56.66
5430	22.1	-6.56	-0.47	-2.62	10.63	11.468	-0.47	-21.21	58.4	57.65
5440	23.51	-6.29	-0.36	-2.51	11.319	12.196	-0.36	-20.91	58.78	57.62
5450	22.8	-6.42	-0.57	-2.72	10.999	11.806	-0.57	-20.81	57.98	57.09
5460	27.64	-5.59	0.06	-2.09	13.406	14.231	0.06	-19.27	58.9	57.86
5470	27.05	-5.68	-0.14	-2.29	13.118	13.937	-0.14	-18.95	58.95	57.73
5480	25.37	-5.96	-0.68	-2.83	12.41	12.958	-0.68	-18.45	58.54	57.42
5490	25.67	-5.91	-0.72	-2.87	12.604	13.063	-0.72	-19.48	59.3	58.34
5500	20.57	-6.87	-1.56	-3.71	10.149	10.424	-1.56	-19.98	59.76	58.19
5510	25.6	-5.92	-0.62	-2.77	12.623	12.977	-0.62	-18.73	58.89	58
5520	23.59	-6.27	-0.87	-3.02	11.648	11.939	-0.87	-20.12	59.89	58.68
5530	29.18	-5.35	-0.15	-2.3	14.502	14.678	-0.15	-18.6	60.14	58.68
5540	19.38	-7.13	-1.78	-3.93	9.552	9.826	-1.78	-20.02	59.23	58.15
5550	22.1	-6.56	-1.23	-3.38	10.918	11.179	-1.23	-19.9	60	58.92
5560	17.01	-7.69	-2.3	-4.45	8.388	8.619	-2.3	-20.14	59.97	58.53
5570	24.4	-6.13	-0.64	-2.79	12.089	12.306	-0.64	-17.81	60.11	59.15
5580	20.61	-6.86	-1.43	-3.58	10.141	10.471	-1.43	-17.86	60.79	59.71
5590	22.32	-6.51	-1.11	-3.26	10.983	11.34	-1.11	-17.63	59.91	58.69
5600	16.58	-7.8	-2.52	-4.67	8.165	8.411	-2.52	-19.55	59.9	58.98
5610	17.74	-7.51	-2.13	-4.28	8.652	9.088	-2.13	-18.53	59.93	58.97
5620	18.64	-7.29	-1.99	-4.14	9.114	9.529	-1.99	-18.19	59.54	58.44
5630	19.45	-7.11	-1.74	-3.89	9.427	10.021	-1.74	-18.37	59.68	59.09
5640	21.14	-6.75	-1.49	-3.64	10.316	10.822	-1.49	-17.62	60.69	59.79
5650	19.3	-7.14	-1.91	-4.06	9.374	9.929	-1.91	-18.36	59.79	58.83
5660	20.35	-6.91	-1.68	-3.83	9.94	10.412	-1.68	-18.67	59.8	59.09
5670	16.64	-7.79	-2.52	-4.67	8.057	8.587	-2.52	-20.01	60.35	59.47
5680	22.85	-6.41	-1.03	-3.18	11.001	11.846	-1.03	-19.06	59.64	58.91
5690	19.35	-7.13	-1.74	-3.89	9.342	10.006	-1.74	-20.63	59.83	59.33
5700	26.59	-5.75	-0.39	-2.54	12.813	13.781	-0.39	-19.28	59.98	59.18
5710	20.07	-6.97	-1.75	-3.9	9.761	10.31	-1.75	-20.81	59.56	58.72
5720	23.86	-6.22	-1.05	-3.2	11.569	12.294	-1.05	-20.81	59.85	59.31
5730	20.05	-6.98	-1.66	-3.81	9.653	10.395	-1.66	-21.92	60.15	59.53
5740	26.4	-5.78	-0.45	-2.6	12.654	13.748	-0.45	-21.91	60.36	59.87

5750	23.8	-6.23	-0.92	-3.07	11.52	12.276	-0.92	-21.68	59.97	59.57
5760	25.86	-5.87	-0.59	-2.74	12.541	13.317	-0.59	-21.28	59.78	59.04
5770	21.97	-6.58	-1.27	-3.42	10.647	11.326	-1.27	-22.49	59.47	59.04
5780	22.01	-6.57	-1.22	-3.37	10.661	11.353	-1.22	-23.2	60.42	60.03
5790	24.29	-6.15	-0.73	-2.88	11.723	12.563	-0.73	-23.6	59.89	59.39
5800	24.66	-6.08	-0.59	-2.74	11.856	12.809	-0.59	-23.95	60.05	59.67
5810	25.82	-5.88	-0.3	-2.45	12.502	13.32	-0.3	-23.13	60.9	60.38
5820	22.53	-6.47	-0.87	-3.02	10.831	11.697	-0.87	-23.73	60.11	59.51
5830	25.36	-5.96	-0.28	-2.43	12.317	13.046	-0.28	-20.85	60.21	59.83
5840	22.36	-6.51	-0.76	-2.91	10.786	11.574	-0.76	-20.44	60.9	60.5
5850	28.05	-5.52	0.31	-1.84	13.691	14.362	0.31	-20.19	60.62	59.95

