



产品规格书

PRODUCT SPECIFICATION

Manufacturer: Shenzhen Kontec Electronic Co.,Ltd.
Manufacturer's part number: 01010E04001
Product description: Adhesive 2.4/5.8G antenna
Uni Link's part number: 2.4/5.8G- FPC0015-1.37YX 黑-C13-150
Issue Date: 2023-01-10
Manufacturer's address: ShenzhenBiling,No.5shabeiroad,3rd
Floor,baochengtaiScience

Customer Use		Customer's authorized signature	Remarks
Full approved			
Conditional approved			
Rejected			

承拓电子

Tel:86-755-89368800
Fax:86-755-89368100
Website:www.kontec.com.cn



一、产品技术指标 (PRODUCT TECHNICAL SPECIFICATION)

电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	2400-2500/5150-5850
机械指标 Mechanical Specifications	
天线长度 Antenna Length (mm)	45.3*15.3 ± 0.5mm
电缆长度 Cable (mm)	130 ± 5mm
连接器型号 Connect Type	IPEX
固定方式 Mounting	粘贴式
线材颜色 Color of Cable	黑色 Black
工作温度 (Operating Temperature)	-30°C ~ +70°C
工作湿度 (%)	0%-95%
贮藏温度 (Storing Temperature)	-35°C ~ +75°C
贮藏湿度 (%)	0%-95%

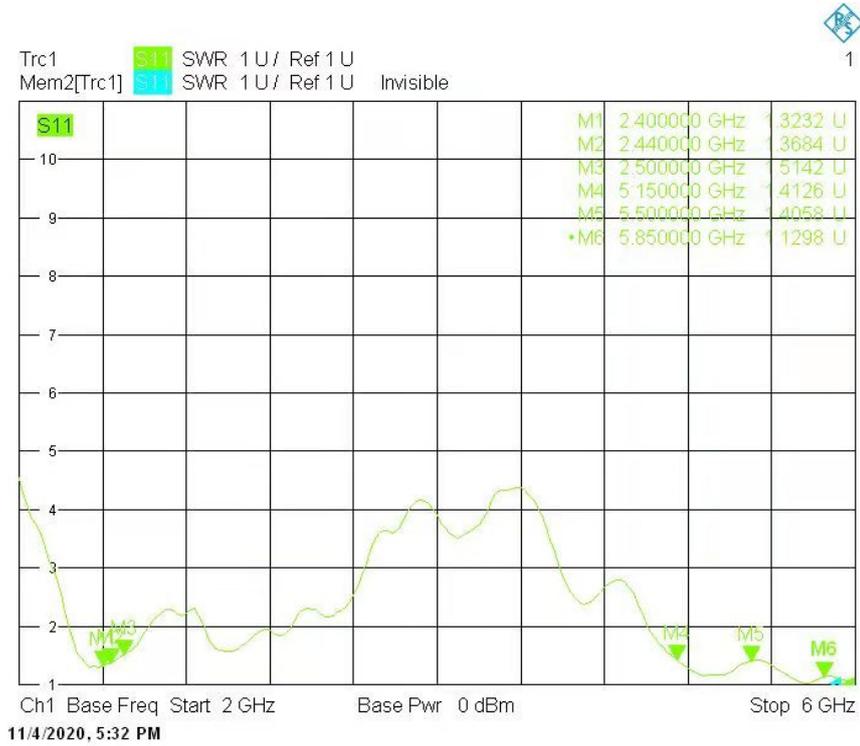
二、测试数据:

1.驻波测试:

测试仪器: 罗德与施瓦茨 ZVB8



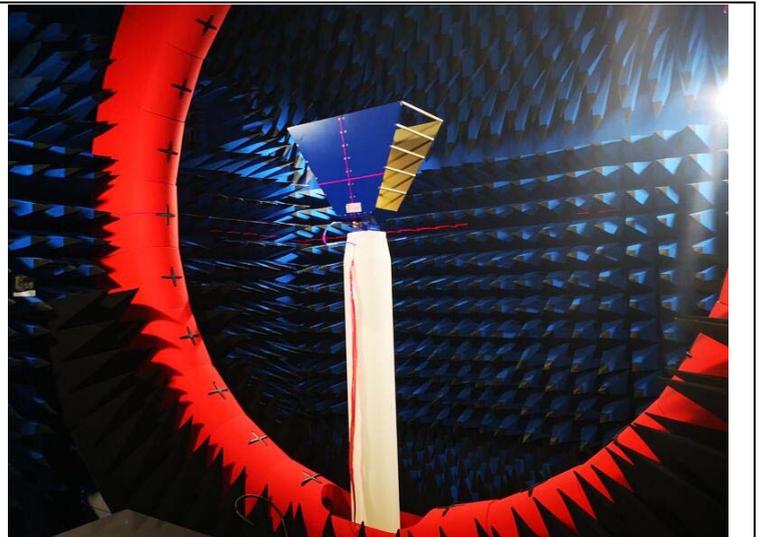
测试数据:



2. OTA 测试:

测试设备: 24 探头球型微波暗测试室

测试仪器: 5071B, CMW500, E4438C





测试数据:

2.4G:

Gain&Efficiency 增益和效率						
frequency 频率(MHz)	gain 增益(dBi)	mingain 最小增益 (dBi)	CP Gain 交叉极化 最大增益 (dBi)	CO Gain 主极化最 大增益 (dBi)	efficiency 效率(dBi)	efficiency 效率(%)
2400	5.7	-31.61	5.04	3.89	-2.76	53.03
2405	6.72	-33.64	6.03	4.99	-1.68	67.94
2410	5.8	-37.49	5.13	4.08	-2.67	54.11
2415	6.92	-35.93	6.29	5.19	-1.66	68.27
2420	5.73	-35.61	5.09	4.03	-2.79	52.65
2425	6.4	-31.49	5.7	4.75	-1.84	65.52
2430	5.62	-30.98	4.97	3.95	-2.56	55.48
2435	6.49	-29	5.89	4.83	-1.69	67.70
2440	6.25	-28.1	5.64	4.66	-1.8	66.04
2445	6.17	-26.73	5.58	4.65	-1.65	68.42
2450	6.09	-27.41	5.56	4.63	-1.66	68.25
2455	6	-28.33	5.58	4.55	-1.76	66.65
2460	5.93	-27.17	5.49	4.54	-1.7	67.66
2465	6	-25.87	5.54	4.65	-1.59	69.29
2470	6.09	-25.57	5.62	4.75	-1.55	69.96
2475	6.04	-25.85	5.54	4.7	-1.68	67.85
2480	6.03	-26.98	5.5	4.71	-1.76	66.73
2485	6.17	-27.93	5.62	4.87	-1.68	67.94
2490	6.18	-30.54	5.63	4.89	-1.74	66.99
2495	6.09	-32.82	5.54	4.83	-1.86	65.15
2500	6.17	-35.65	5.69	4.91	-1.84	65.52

5.8G:

Gain&Efficiency 增益和效率						
frequency 频率(MHz)	gain 增益(dBi)	mingain 最小增益 (dBi)	CP Gain 交叉极化 最大增益 (dBi)	CO Gain 主极化最 大增益 (dBi)	efficiency 效率(dBi)	efficiency 效率(%)
5150	4.14	-25.43	2.16	3.59	-2.96	50.53
5155	4.8	-24.05	2.89	4.24	-2.26	59.40
5160	4.28	-25.33	2.34	3.72	-2.79	52.58
5165	4.77	-25.83	2.78	4.21	-2.33	58.46
5170	4.45	-26.26	2.48	3.89	-2.65	54.29
5175	4.94	-25.87	3.15	4.38	-2.18	60.51
5180	4.25	-27.71	2.51	3.71	-2.92	51.02
5185	4.66	-27.72	2.93	4.13	-2.48	56.45
5190	4.32	-28.95	2.65	3.8	-2.79	52.60
5195	4.81	-29.08	3.22	4.3	-2.26	59.38
5200	4.34	-29.48	2.76	3.83	-2.71	53.64
5205	4.67	-29.12	3.1	4.16	-2.35	58.22
5210	4.23	-29.83	2.6	3.7	-2.8	52.53
5215	4.64	-29.15	2.96	4.09	-2.4	57.57
5220	4.09	-29.85	2.38	3.53	-2.95	50.68
5225	4.51	-30.79	2.73	3.94	-2.47	56.59
5230	4.4	-32.78	2.57	3.82	-2.53	55.80
5235	4.75	-35.62	2.94	4.17	-2.21	60.09
5240	4.28	-37.38	2.54	3.7	-2.68	53.91
5245	4.57	-35.03	2.9	4	-2.4	57.50
5250	4.04	-32.94	2.44	3.46	-2.9	51.26
5255	4.44	-31.48	2.94	3.85	-2.4	57.59
5260	3.85	-31.39	2.36	3.25	-2.96	50.61
5265	4.36	-30.36	2.85	3.75	-2.44	56.98
5270	4.07	-29.43	2.6	3.47	-2.65	54.36
5275	4.16	-29.07	2.72	3.55	-2.48	56.48



5280	3.73	-29.45	2.25	3.12	-2.9	51.29
5285	4.2	-31.44	2.7	3.59	-2.53	55.86
5290	3.62	-33.18	2.19	3	-3.13	48.64
5295	4.15	-36.45	2.75	3.52	-2.45	56.91
5300	3.72	-34.24	2.23	3.07	-2.84	52.03
5305	4.15	-29.99	2.61	3.46	-2.49	56.43
5310	3.79	-29.51	2.25	3.06	-2.87	51.60
5315	4.45	-27.2	2.94	3.66	-2.22	60.01
5320	3.88	-26.36	2.34	3.03	-2.86	51.81
5325	4.5	-24.55	2.97	3.61	-2.25	59.61
5330	4.12	-23.82	2.6	3.18	-2.63	54.58
5335	4.64	-23.58	3.1	3.66	-2.13	61.28
5340	4.56	-24.66	3.06	3.55	-2.19	60.39
5345	4.37	-26.38	2.89	3.33	-2.4	57.53
5350	4.48	-27.73	2.95	3.41	-2.31	58.70
5355	4.65	-28.71	3.02	3.56	-2.19	60.41
5360	3.64	-31.15	1.99	2.52	-3.23	47.55
5365	4.68	-33.63	3.05	3.54	-2.18	60.53
5370	3.69	-38.72	2.02	2.54	-3.18	48.11
5375	4.78	-35.14	3.03	3.61	-2.11	61.53
5380	4.82	-36.21	2.96	3.6	-2.12	61.33
5385	4.76	-37.12	2.8	3.48	-2.28	59.18
5390	5.02	-36.19	2.95	3.72	-2.12	61.45
5395	5.27	-34.15	3.15	3.95	-1.9	64.51
5400	5.18	-33.31	2.99	3.84	-2.06	62.27
5405	5.1	-30.96	2.82	3.74	-2.07	62.05
5410	5.3	-27.25	2.91	3.95	-1.83	65.63
5415	5.4	-25.76	3.03	4.05	-1.76	66.69
5420	5.24	-24.17	2.87	3.95	-1.95	63.81

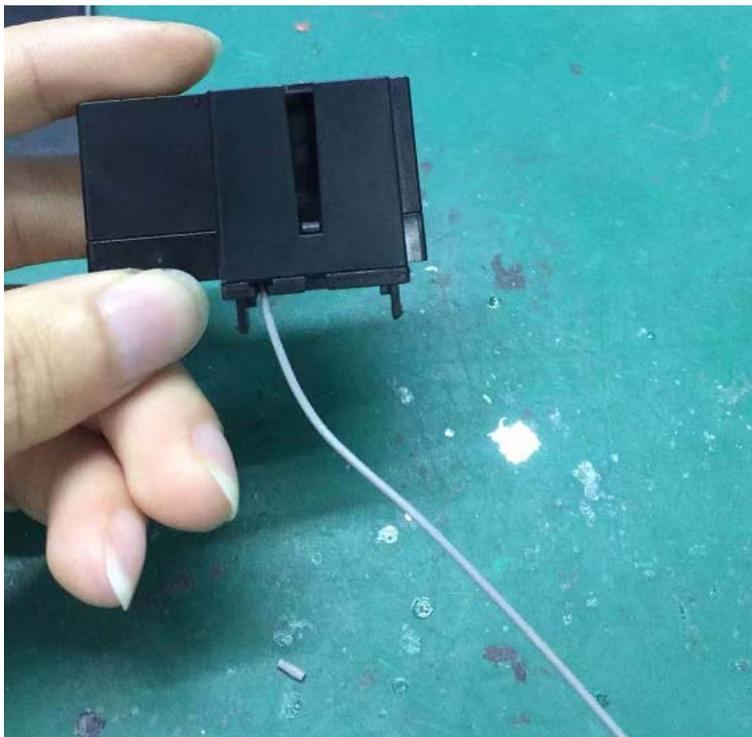
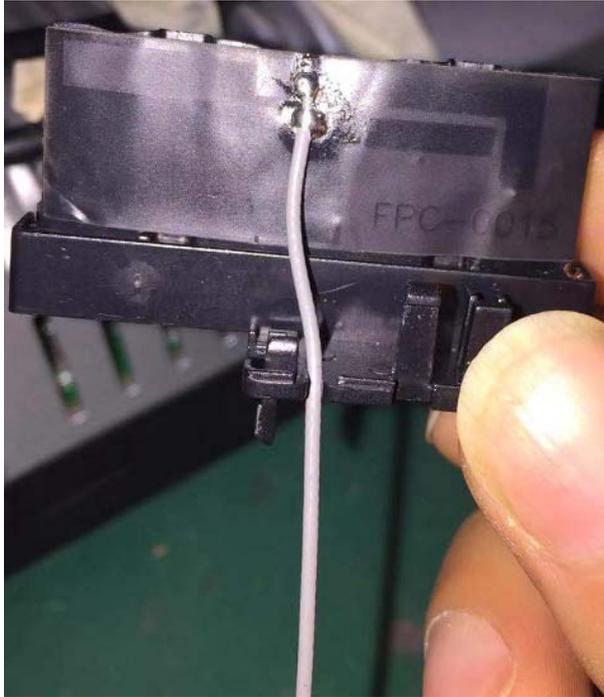
5425	5.05	-24.24	2.63	3.8	-2.18	60.60
5430	5.21	-23.58	2.78	3.97	-2.04	62.58
5435	5.37	-23.65	2.93	4.18	-1.87	65.02
5440	5.29	-23.72	2.84	4.16	-1.95	63.84
5445	5.38	-23.5	2.91	4.27	-1.87	65.03
5450	5.51	-23.86	3.01	4.41	-1.75	66.85
5455	5.53	-24.41	2.99	4.53	-1.69	67.77
5460	5.42	-25.21	2.85	4.48	-1.78	66.31
5465	5.03	-26.03	2.46	4.16	-2.16	60.88
5470	4.92	-25.75	2.52	4.17	-2.21	60.08
5475	5.25	-26.02	2.71	4.54	-1.86	65.20
5480	5.37	-26.54	2.8	4.66	-1.73	67.07
5485	5.33	-27.45	2.72	4.68	-1.79	66.22
5490	5.39	-28.11	2.68	4.74	-1.79	66.24
5495	5.43	-30.58	2.69	4.77	-1.75	66.78
5500	5.46	-33.87	2.68	4.79	-1.75	66.79
5505	5.48	-37.44	2.68	4.8	-1.76	66.63
5510	4.48	-37.09	1.69	3.81	-2.73	53.29
5515	5.52	-32.27	2.69	4.86	-1.67	68.02
5520	5.55	-29.13	2.65	4.89	-1.68	67.98
5525	5.54	-26.83	2.57	4.86	-1.73	67.17
5530	5.5	-27.1	2.52	4.82	-1.74	66.97
5535	5.57	-27.74	2.59	4.89	-1.65	68.45
5540	5.53	-27.73	2.55	4.82	-1.7	67.67
5545	5.37	-27.24	2.4	4.63	-1.84	65.40
5550	5.43	-27.56	2.49	4.69	-1.76	66.68
5555	5.56	-28.25	2.6	4.83	-1.65	68.46
5560	5.53	-28.21	2.56	4.79	-1.69	67.77
5565	5.5	-29.35	2.53	4.71	-1.74	67.00
5570	5.48	-32.02	2.5	4.68	-1.78	66.35

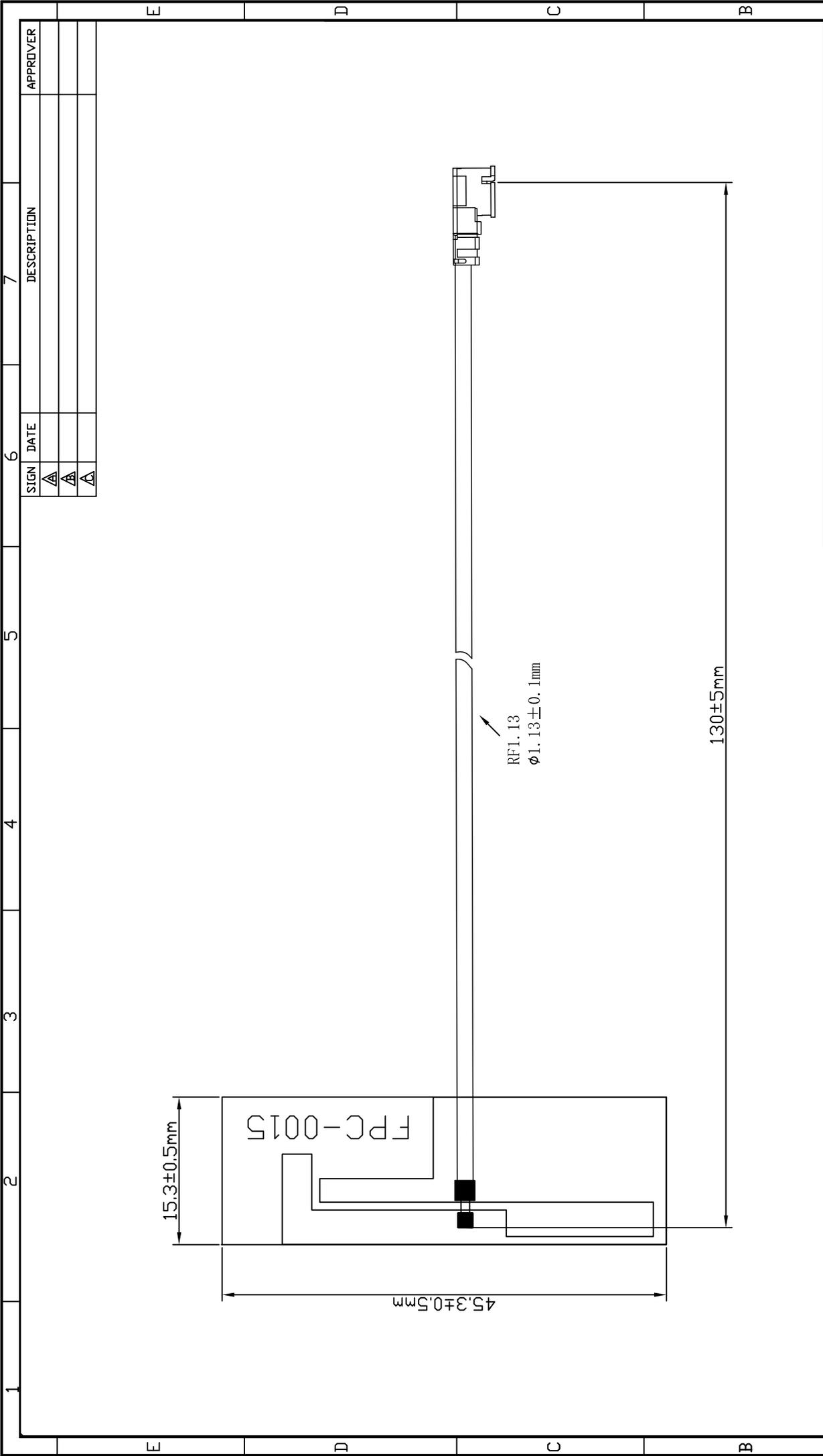


5575	5.5	-33.42	2.49	4.72	-1.78	66.30
5580	5.56	-31.31	2.59	4.73	-1.72	67.30
5585	5.55	-28.85	2.6	4.64	-1.74	67.02
5590	5.51	-27.93	2.54	4.59	-1.81	65.91
5595	5.55	-27.73	2.56	4.68	-1.78	66.38
5600	5.6	-28.34	2.62	4.71	-1.73	67.11
5605	5.54	-28.46	2.58	4.54	-1.82	65.70
5610	5.51	-26.88	2.59	4.49	-1.86	65.18
5615	5.6	-24.94	2.76	4.56	-1.74	66.99
5620	5.69	-25.03	2.89	4.53	-1.68	67.96
5625	5.6	-25.78	2.82	4.29	-1.81	65.96
5630	6.63	-25.39	3.92	5.29	-0.76	84.01
5635	5.84	-28.26	3.18	4.46	-1.57	69.74
5640	5.83	-30.23	3.19	4.35	-1.6	69.14
5645	5.74	-30.38	3.11	4.22	-1.72	67.23
5650	5.49	-31.77	2.86	3.91	-2.04	62.54
5655	5.89	-32.12	3.26	4.24	-1.72	67.37
5660	5.97	-30.89	3.33	4.28	-1.69	67.70
5665	5.92	-32.98	3.25	4.27	-1.79	66.29
5670	5.86	-33.53	3.18	4.21	-1.9	64.52
5675	5.93	-33.02	3.24	4.24	-1.89	64.79
5680	5.98	-32.28	3.3	4.34	-1.86	65.10
5685	5.74	-33.66	3.1	4.3	-2.03	62.61
5690	5.55	-35.04	2.97	4.18	-2.21	60.08
5695	5.68	-36.67	3.13	4.26	-2.12	61.35
5700	5.69	-39.73	3.23	4.35	-2.08	61.94
5705	5.96	-43.19	3.47	4.46	-1.9	64.52
5710	6.32	-33.79	3.87	4.69	-1.63	68.74
5715	6.49	-30.57	4.1	4.88	-1.46	71.53
5720	6.44	-29.7	4.15	4.84	-1.46	71.44
5725	6.02	-29.98	3.84	4.45	-1.8	66.03
5730	5.82	-32.12	3.76	4.35	-1.92	64.20
5735	5.86	-33.18	3.83	4.41	-1.89	64.75
5740	5.58	-34.33	3.56	4.1	-2.15	60.89
5745	5.8	-33.43	3.81	4.45	-1.88	64.88
5750	5.4	-31.79	3.43	4.14	-2.26	59.41
5755	5.34	-30.9	3.48	4.11	-2.29	59.03
5760	6.48	-30.01	4.67	5.29	-1.12	77.20
5765	5.55	-30.32	3.78	4.38	-2.06	62.26
5770	6.45	-29.24	4.72	5.27	-1.15	76.70
5775	5.43	-30.41	3.75	4.27	-2.17	60.73
5780	5.56	-30.93	3.93	4.45	-2.03	62.63
5785	5.65	-31.16	3.98	4.59	-2	63.03
5790	5.57	-31.54	3.9	4.47	-2.13	61.28
5795	5.62	-31.61	3.98	4.39	-2.1	61.68
5800	6.78	-29.54	5.11	5.54	-0.98	79.80
5805	5.88	-33.11	4.12	4.62	-1.96	63.68
5810	5.83	-33.61	4.06	4.49	-2.04	62.49
5815	5.74	-33.63	3.9	4.27	-2.2	60.32
5820	6.91	-35.76	4.99	5.44	-1.08	77.93
5825	6	-39.85	4.07	4.61	-1.97	63.47
5830	5.82	-39.48	3.89	4.36	-2.15	60.98
5835	5.78	-37.46	3.89	4.18	-2.17	60.72
5840	5.93	-39.12	4.03	4.34	-1.99	63.23
5845	5.94	-37.9	4.07	4.38	-1.95	63.86
5850	5.85	-37.98	4.02	4.28	-2	63.07

注：测试数据以我司实验室为准。

三、安装位置示意图：





1	2	3	4	5	6	7
SIGN		DATE		DESCRIPTION		APPROVER
△						
△						
△						

深圳市承拓电子有限公司
Kontec Technology Inc.

PART NAME: 2.4/5.8G天线		TITLE: 2.4/5.8G-FPC0015-1.13YX灰-IPEX-130	
PART NO: 2.4/5.8G-FPC0015-1.13YX灰-IPEX-130		DWG NAME: 2.4/5.8G-FPC0015-1.13YX灰-IPEX-130.dwg	
APPROVED BY	CHECKED BY	DESIGNED BY	Tolerance
H. C. X 2020-11-10	Y. D. F 2020-11-10	H. Q 2020-11-10	XX ±0.10 XX ±0.05 X* ±1*
UNITS: mm		SCALE: 5/1	
REVISION: A			

2	020306102	IPEX-1.13线	IPEX-1.13线-IPEX-银锡-灰-260mm	0.5
1		FPC板	2.4/5.8G - FPC0015 - 黑色- 45*15	1
NO	品号	品名	规格	Q'ty