

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A1)

CUSTOMER	Tozed Kangwei Tech Co., Ltd
CS P/N	X100-PRO
PART NAME	ANT3&6
FREQUENCY	3300~3980MHz、4000~4200MHz
ZTX NO.	2.00006353
DATE	2023-11-09

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark:

Sign: _____

Shenzhen ZTX Communication Technology Co., Ltd				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		Liping Liu	Zefeng Jiang	



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ANTENNA SPECIFICATION

CUS P/N :X10-PRO_ANT3&6

ApplicationDate:Nov,09,2023

Rev: R:A1

ZTX P/N :X10-PRO_ANT3&6

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Revision history

Version	Date	Description
A1	2023-11-09	Original Report.

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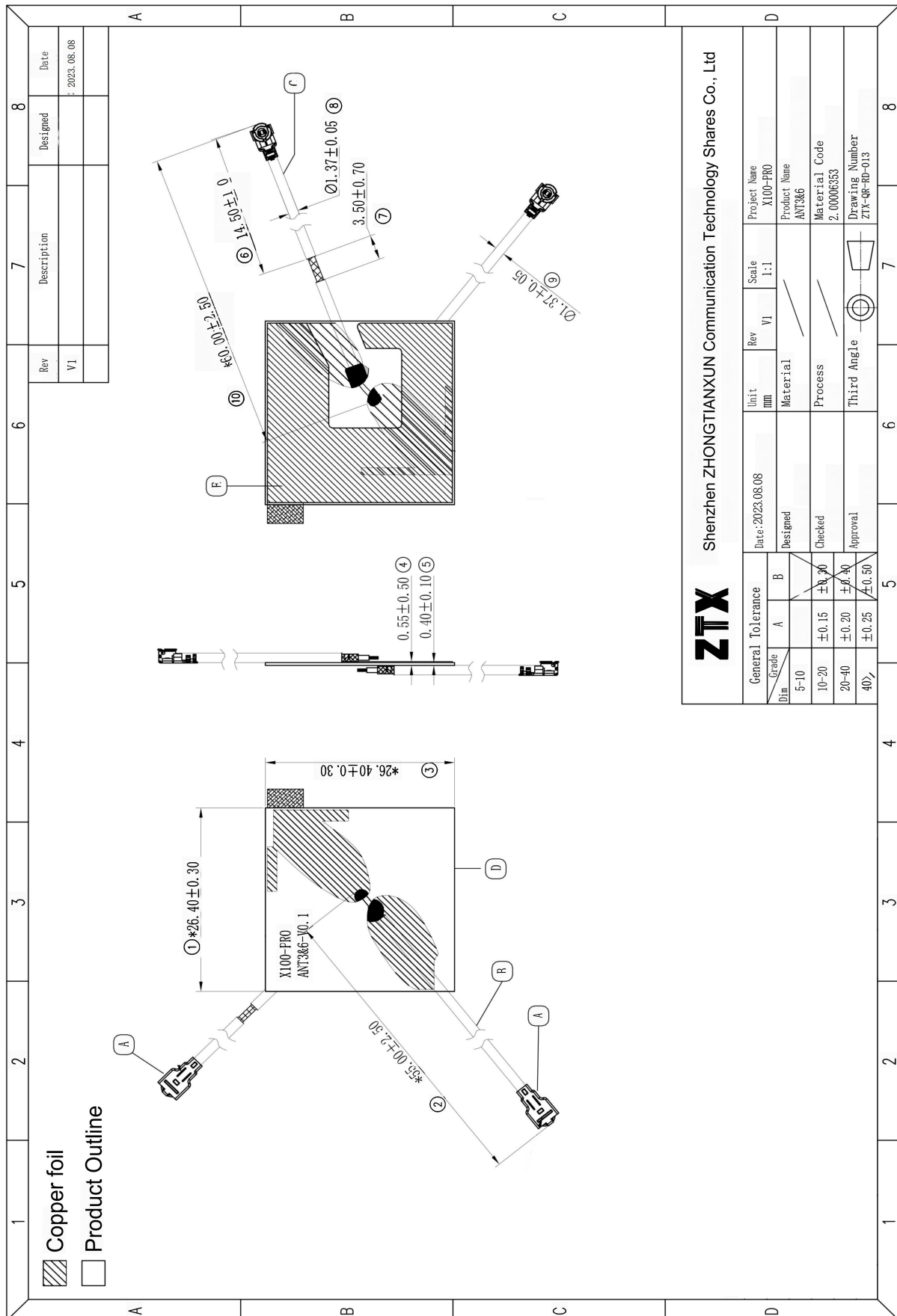
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1. Mechanical Specification

1-1 Mechanical Configuration (ANT3&6)



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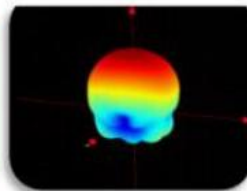
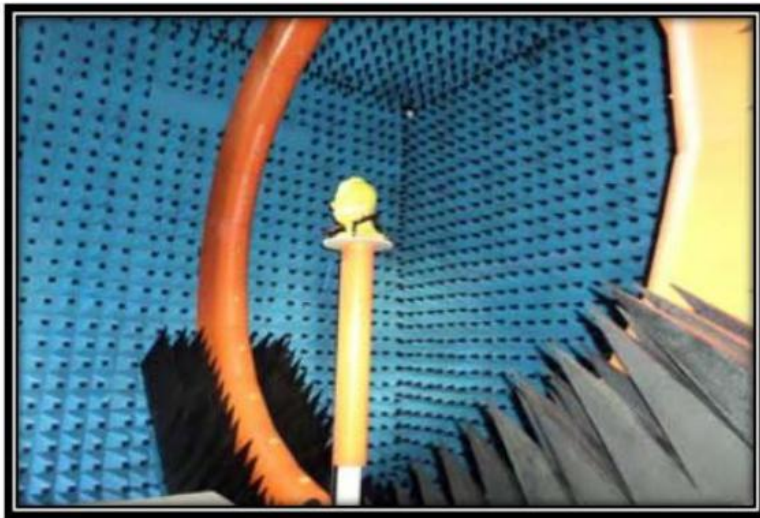
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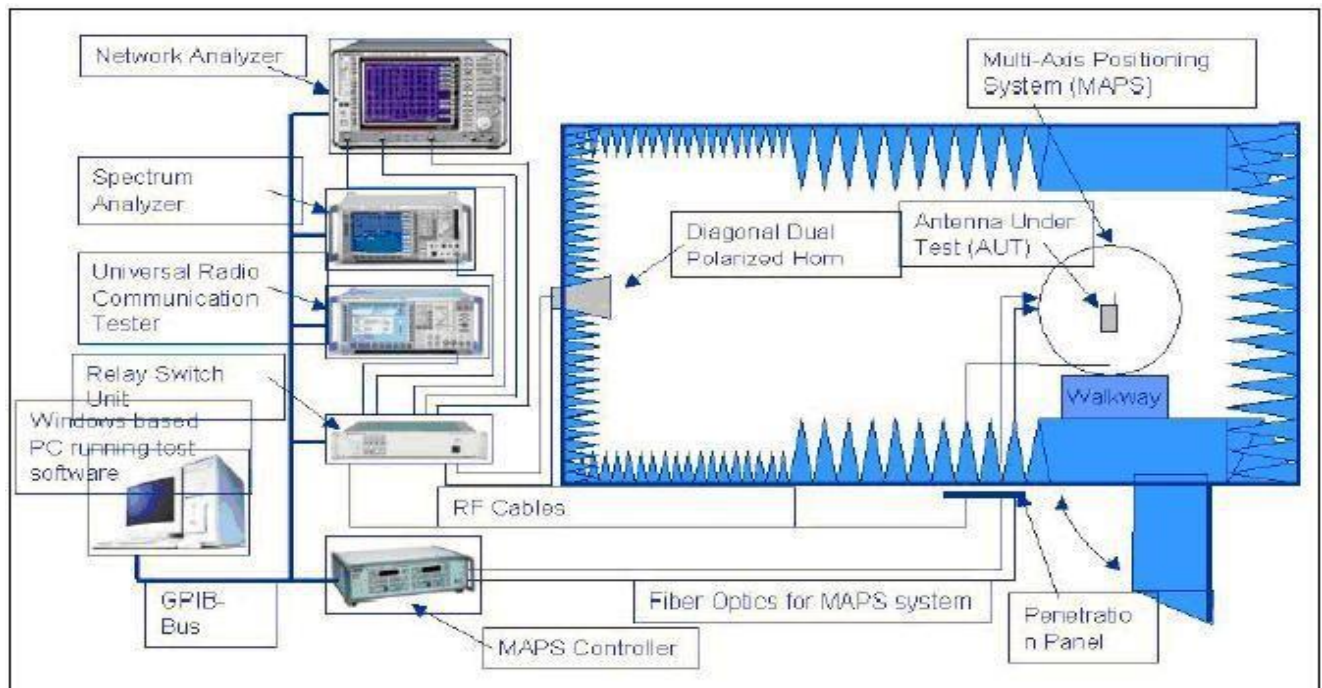
2.Test equipment



Owned 6 microwave dark room, equipped 2 sets world leading France Satimo SG24 OTA certification test systems (one in SHENZHEN, another one in Shanghai), ETS OTA Standard test system, Blue test reverberation test system which is High repeatability, high accuracy and high resolution. It can quickly provide accurate test reports, fully meet the CTIA standards.

Testing range:

Support active, passive testing of
GSM/CDMA/WCDMA/TD-
SCDMA/LTE/WIFI/WLAN/WiMax/BT
/GPS/MIMO/UWB within0.4-6G.



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										OTA						
										TRP	TIS(2RX)					
		OTA					OTA			802.11b(2.4 G)	1Mbps	1	19.66	-93.22		
		TRP	TIS(2RX)	TIS(4RX)			TRP	TIS(2RX)	TIS(4RX)			7	19.33	-93.34		
B1(10M)	L	23.42			N1(10M)	L	18.27			802.11g(2.4 G)	11Mbps	13	17.03	-91.53		
	M	22.83				M	18.7					1	19.61	-84.65		
	H	22.97	-97.71			H	18.88		-97.84			7	19.3	-84.26		
B3(10M)	L	21.31			N3(10M)	L	19.5					13	17.02	-84.16		
	M	21.42				M	20.58					1	16.98	-92.13		
	H	21.68	-100.3			H	18.79		-95.86			7	16.21	-92.18		
B7(10M)	L	23			N7(10M)	L	19.78			802.11n(2.4 G)	6Mbps	13	15.24	-90.87		
	M	22.88				M	18.81					1	16.33	-74.04		
	H	22.55	-94.09			H	19.05		-95.53			7	15.33	-74.77		
B8(10M)	L	21.17			N20(10M)	L	18.6					802.11n(2.4 G)	54Mbps	13	14.66	-73.21
	M	21.24				M	18.88							1	15.98	-88.85
	H	20.85	-97.35			H	18.62	-91.37						7	13.64	-89.96
B20(10M)	L	20.14			N28(10M)	L	21.17			802.11n(2.4 G)	MCS0			13	14.37	-88.72
	M	20.36				M	21.08							1	15.98	-71.36
	H	20.65	-95.4			H	20.71	-91.16						7	15.06	-71.56
B28A(10 M)	L	19.18			N41(100 M)	L	22.92					802.11n(5G)	MCS7 (20M)	13	14.56	-71.23
	M	19.15				M	23.1							36	15.44	-77.23
	H	18.05	-95.91			H	22.91		-86.52					64	15.54	-76.76
B38(20M)	L	22.44			N78(100 M)	L	22.5			802.11a(5G)	54Mbps			161	20.34	-77.72
	M	22.1				M	22.7							36	15.6	-74.82
	H	22.18	-95.68			H	22.1		-89.45					64	15.78	-73.99
B40(20M)	L	22.75										802.11a(5G)	54Mbps	161	19.34	-74.38
	M	23.38												36	15.78	-73.99
	H	23.31	-94.62													
B41(20M)	L	21.18								802.11a(5G)	54Mbps			161	19.34	-74.38
	M	21.75														
	H	21.59	-94.35													

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2-2 Passive Test

Ant3

Frequency	Efficiency	Efficiency . dB	Gain . dB	Frequency	Efficiency	Efficiency . dB	Gain . dB
3300000000	54%	-2.654526048	2.1499898	3800000000	55%	-2.566556679	3.131699348
3320000000	54%	-2.710219694	2.295283611	3820000000	52%	-2.851462705	3.008602043
3340000000	51%	-2.899461046	2.108456976	3840000000	54%	-2.665435238	3.181087762
3360000000	53%	-2.725047462	2.006021456	3860000000	56%	-2.547757001	3.14793938
3380000000	54%	-2.653150237	2.299443298	3880000000	52%	-2.81653527	3.12052623
3400000000	53%	-2.777562011	1.900593809	3900000000	51%	-2.934954674	3.208995392
3420000000	54%	-2.711106054	1.879005173	3920000000	52%	-2.833851225	3.190715616
3440000000	51%	-2.914171241	1.922346697	3940000000	50%	-3.001756189	3.246023795
3460000000	51%	-2.89413033	2.281147059	3960000000	44%	-3.5324564	2.862740143
3480000000	48%	-3.156948962	2.276128618	3980000000	49%	-3.104916564	3.270058474
3500000000	53%	-2.740865533	2.505889954	4000000000	50%	-2.996829197	3.043953689
3520000000	52%	-2.865207386	2.727388975	4020000000	47%	-3.314586009	2.739371924
3540000000	48%	-3.162094635	2.747793533	4040000000	48%	-3.147851942	2.720710256
3560000000	49%	-3.071350217	2.878373227	4060000000	48%	-3.205632818	2.656512953
3580000000	50%	-3.043607806	3.029976346	4080000000	45%	-3.454443582	2.835367332
3600000000	50%	-3.012658939	3.154286839	4100000000	39%	-4.080881008	2.324962724
3620000000	48%	-3.172865627	2.957293748	4120000000	44%	-3.57854778	2.867709162
3640000000	54%	-2.70729934	3.103645468	4140000000	42%	-3.733293651	2.869611527
3660000000	53%	-2.794623985	3.139969569	4160000000	41%	-3.825657613	2.525255878
3680000000	49%	-3.141551191	2.953781023	4180000000	43%	-3.633239238	2.545874422
3700000000	53%	-2.784099819	3.211064672	4200000000	43%	-3.66475038	2.247271051
3720000000	55%	-2.601131304	3.159969814				
3740000000	55%	-2.6218198	3.230712599				
3760000000	54%	-2.637693641	3.016783171				
3780000000	59%	-2.265452986	3.104845876				

Ant6

Frequency	Efficiency	Efficiency . dB	Gain . dB	Frequency	Efficiency	Efficiency . dB	Gain . dB
3300000000	46%	-3.39608036	2.792914386	3760000000	53%	-2.74703082	3.237184292
3320000000	50%	-3.019601125	3.191294127	3780000000	51%	-2.894737611	3.239472072
3340000000	52%	-2.808577967	3.3642744	3800000000	52%	-2.81997148	3.280357833
3360000000	49%	-3.097777346	3.162894374	3820000000	53%	-2.791383888	3.208528658
3380000000	49%	-3.070521854	3.034786132	3840000000	52%	-2.865939471	3.267721934
3400000000	51%	-2.956106609	3.136795252	3860000000	53%	-2.737599637	3.110350239
3420000000	50%	-3.019474057	3.257307694	3880000000	53%	-2.785448747	3.109581388
3440000000	48%	-3.228812116	3.272717276	3900000000	52%	-2.84574087	3.196014269
3460000000	47%	-3.23519421	3.283446447	3920000000	49%	-3.11465482	3.230786215
3480000000	47%	-3.298431196	3.051168687	3940000000	50%	-2.987829682	3.173486149
3500000000	43%	-3.652290466	2.711816419	3960000000	50%	-3.015369108	3.08710994
3520000000	43%	-3.655231275	2.482972111	3980000000	45%	-3.427747008	3.095170661
3540000000	43%	-3.683142627	2.55920934	4000000000	45%	-3.420285707	3.082229522
3560000000	42%	-3.776479757	2.502862214	4020000000	43%	-3.619748802	3.001811707
3580000000	42%	-3.7559594	2.360520041	4040000000	44%	-3.586741975	3.184481958
3600000000	44%	-3.558790915	2.78717521	4060000000	42%	-3.777545961	2.982077769
3620000000	46%	-3.402510781	2.999505692	4080000000	46%	-3.417645645	3.03812234
3640000000	44%	-3.564598203	2.830598952	4100000000	48%	-3.2056994	3.034016549
3660000000	47%	-3.322759771	3.089454033	4120000000	46%	-3.407906233	3.060287902
3680000000	48%	-3.172775044	3.222740068	4140000000	48%	-3.151106589	3.004050392
3700000000	49%	-3.118717933	3.297291146	4160000000	52%	-2.852031891	3.189176682
3720000000	53%	-2.752460559	3.202954954	4180000000	53%	-2.793038211	3.149743311
3740000000	53%	-2.788950302	3.266433856	4200000000	52%	-2.82991891	3.094144864