

SPECIFICATION FOR APPROVAL

日期
DATE: 2022.09.07

版本
REV.: V1.0

客 户
CUSTOMER: Asiatelco Technologies Co.

客 户 料 号
CUSTOMER P/N: TX0637T001

品 名
PART NAME: WB550-NA-00 Antenna

供 方 料 号
SUPPLIER P/N: N12-7218-R0A

送样日期 **Date:** Q'TY: Pcs

CUSTOMER APPROVED BY		
工程研发部	生产采购部	承认
ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

SUPPLIER SIGNATURE		
研发部	工程部	批准
ENGINEER R&D DEPT	ENGINEER R&D DEPT	APPROVAL

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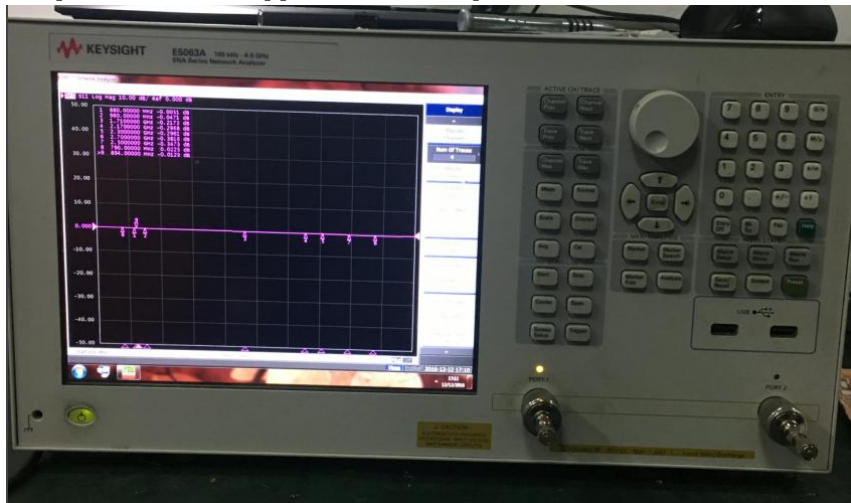
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1. RF Fixture Experiment

1.1 Test Setup

1.1.1 VNA Test Setup

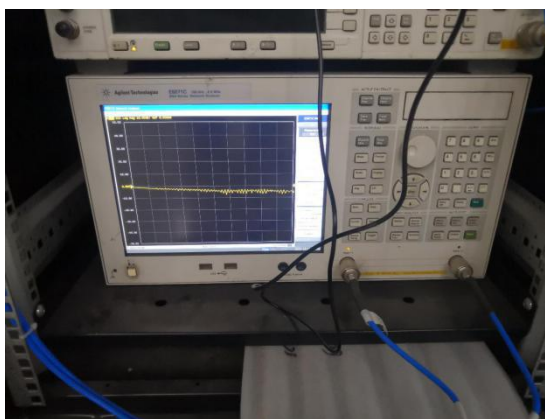
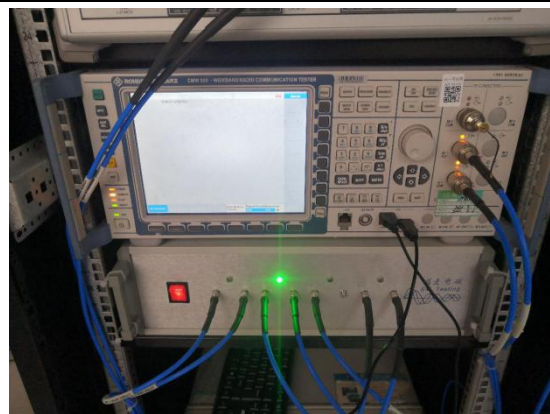
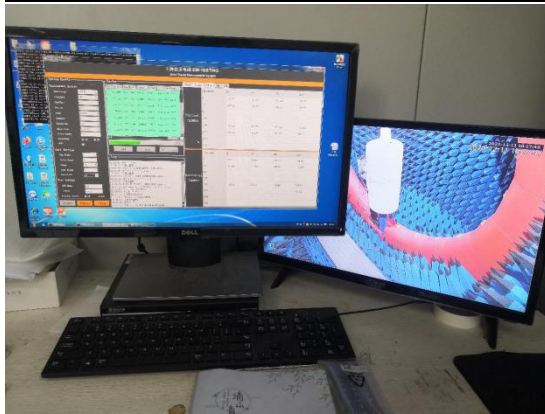
VSWR and Return Loss measurements (S11) were performed using an KeySight E5071C Network Analyzer. The isolation between antennas is also teste. The testing was performed with apparatus in free space.



1.1.2 Anechoic Chamber Test Setup

When we test Gain and Efficiency of the antenna, we will use the ETS 3D chamber. The chamber provides test frequency from 400MHz to 6GHz. The real test environment is showing as following picture



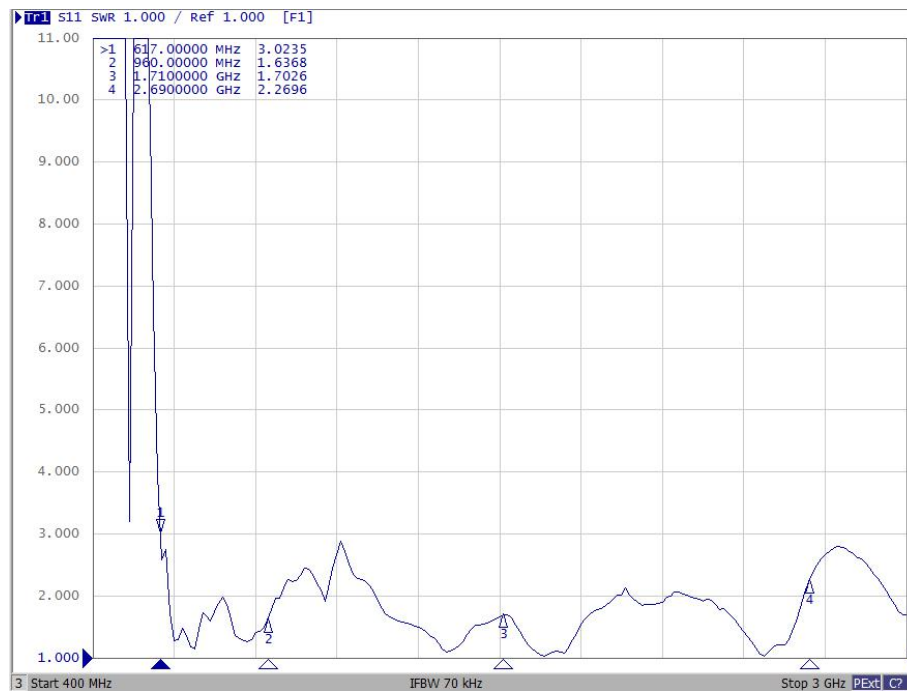


1.2 UE configuration

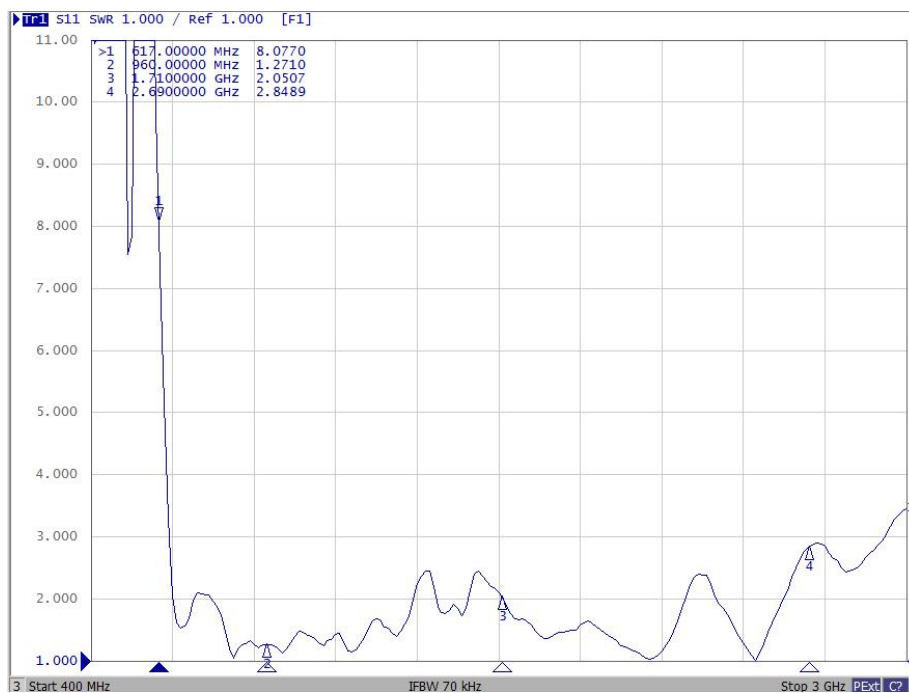
Please refer to Appendix WB550 UE configuration

2.1 Passive Test Result(S parameters)

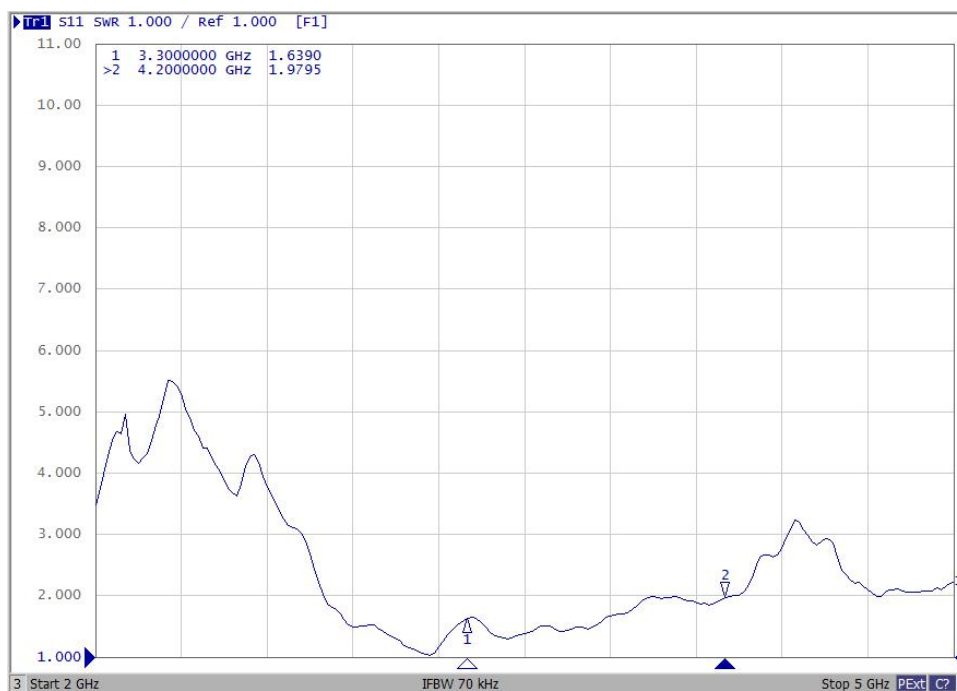
Antenna 0 617~960MHz 1710~2690MHz VSWR



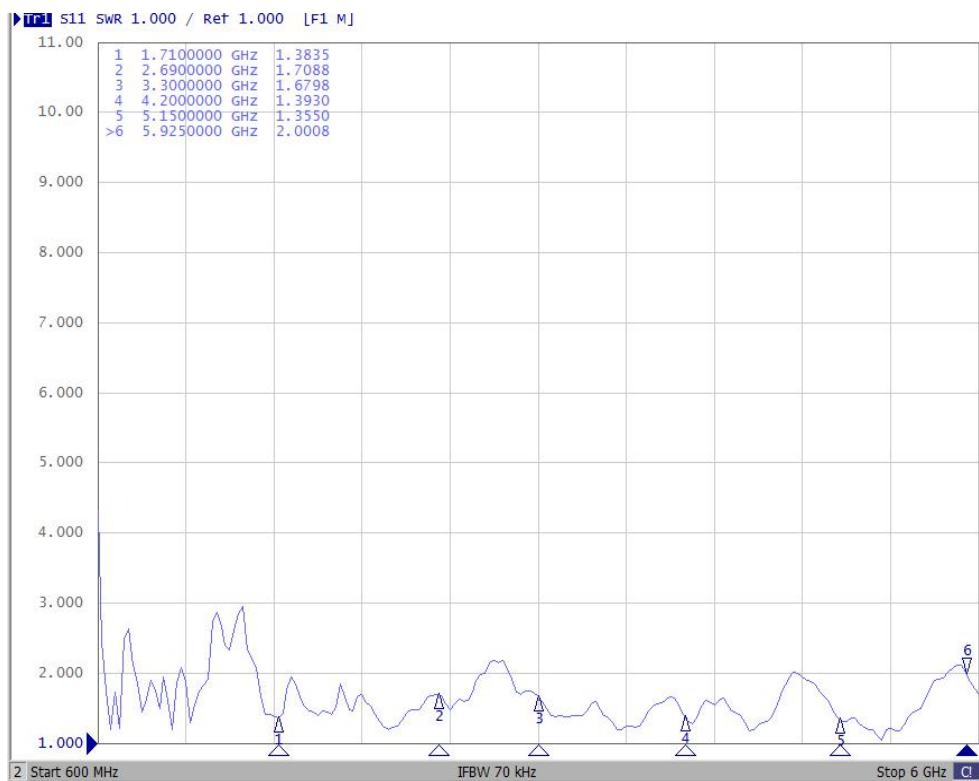
Antenna 2 617~960MHz 1710~2690MHz VSWR



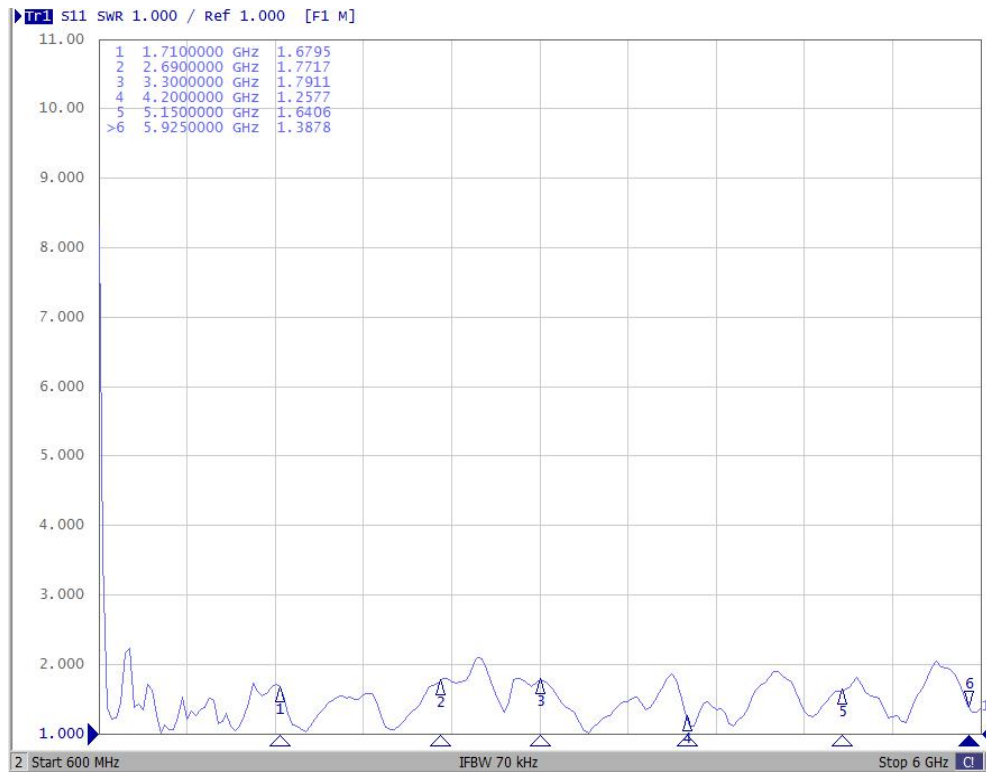
Antenna 4 3300~4200MHz VSWR



Antenna 1 1930~2690MHz 3300~4200MHz 5150~5925MHz VSWR



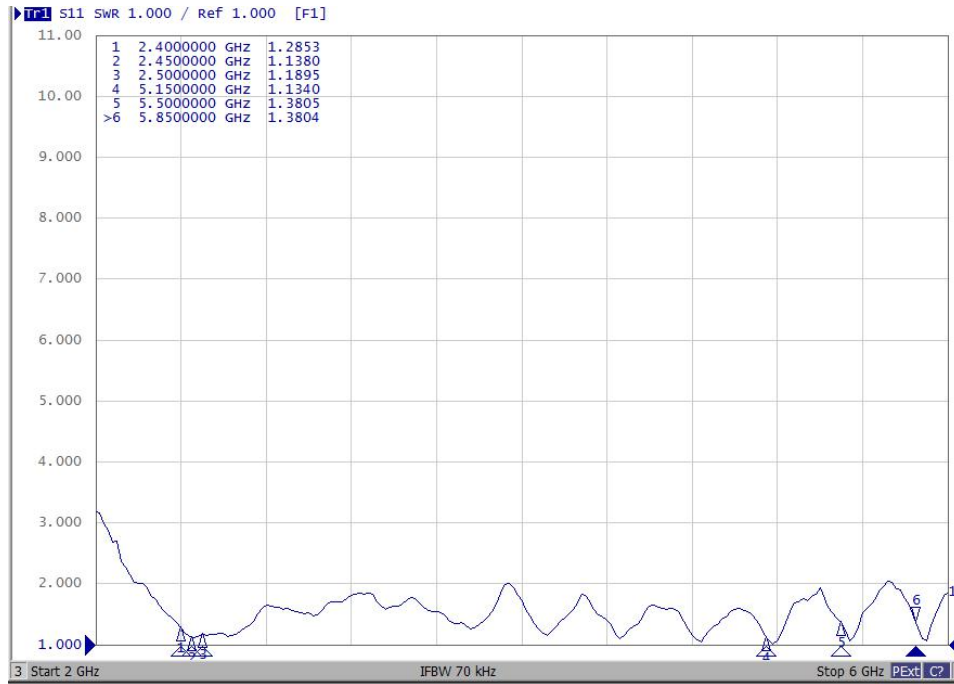
Antenna 3 1710~2690MHz 3300~4200MHz 5150~5925MHz VSWR



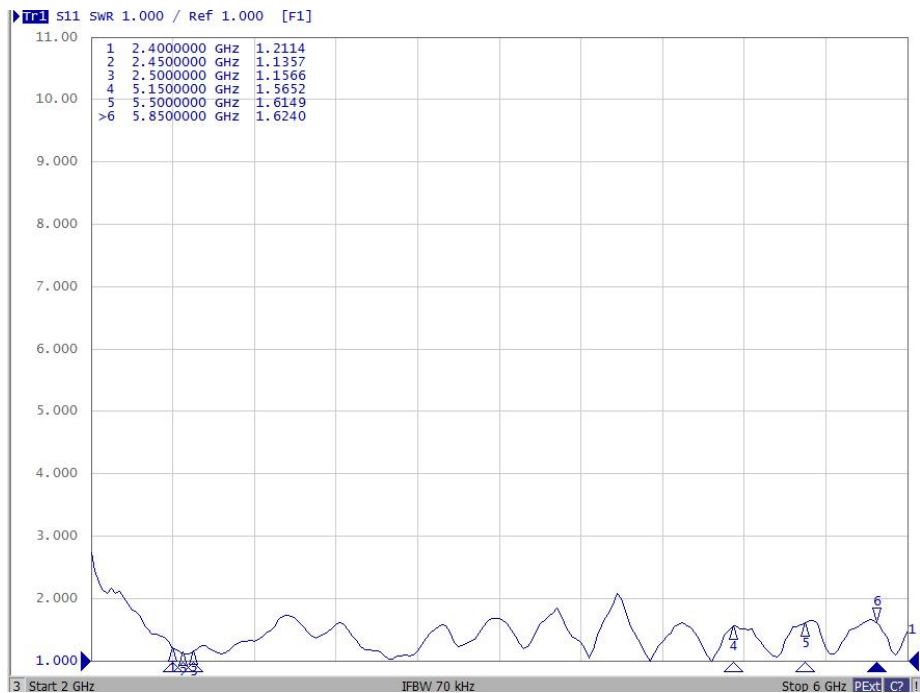
Antenna 5 3300~4200MHz VSWR



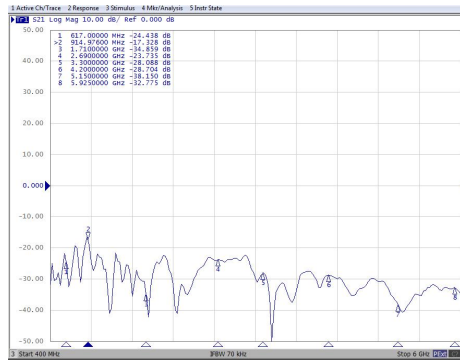
WIFI 0 2400~2500MHz 5150~5850MHz VSWR



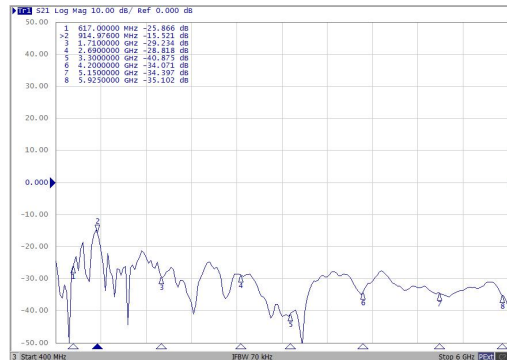
WIFI 1 2400~2500MHz 5150~5850MHz VSWR



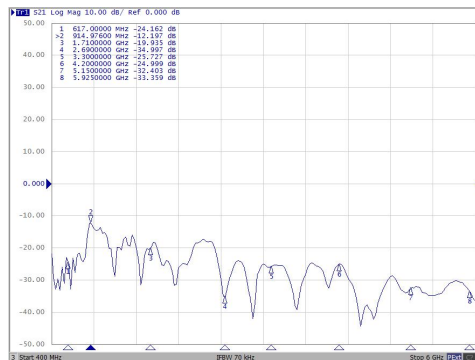
617~960MHz 1710~2690MHz Antenna 0 &
617~960MHz 1710~2690MHz Antenna 2
S21



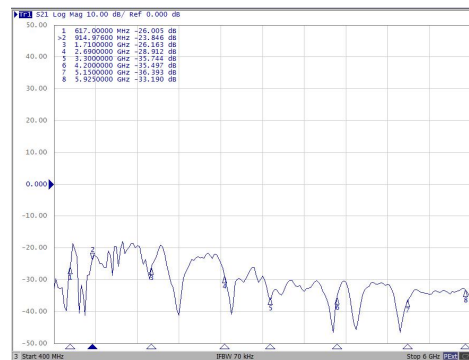
617~960MHz 1710~2690MHz Antenna 0 &
3300~4200MHz Antenna 4 S21



617~960MHz 1710~2690MHz Antenna 0 &
1930~2690MHz 3300~4200MHz
5150~5925MHz Antenna 1 S21

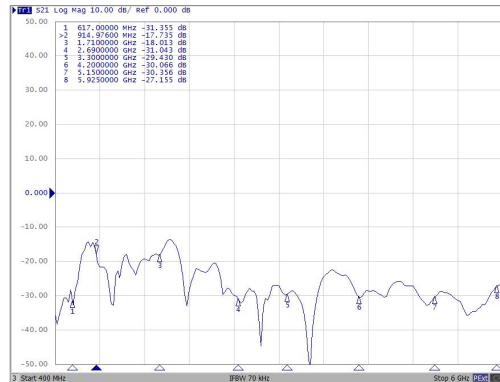
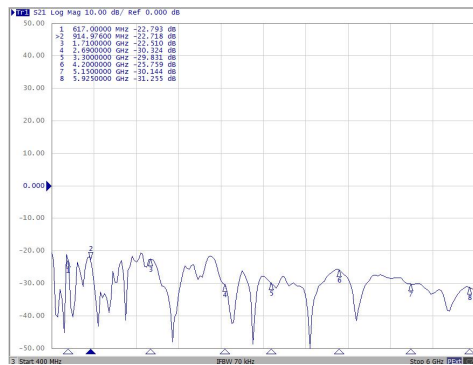


617~960MHz 1710~2690MHz Antenna 0 &
1710~2690MHz 3300~4200MHz
5150~5925MHz Antenna 3 S21



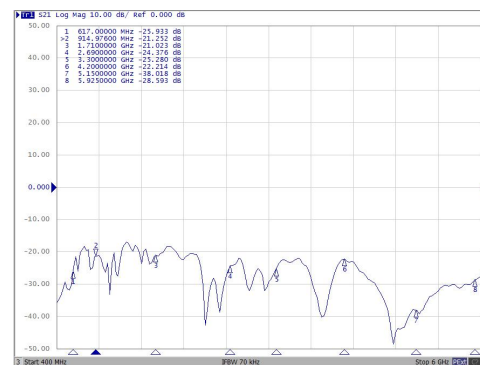
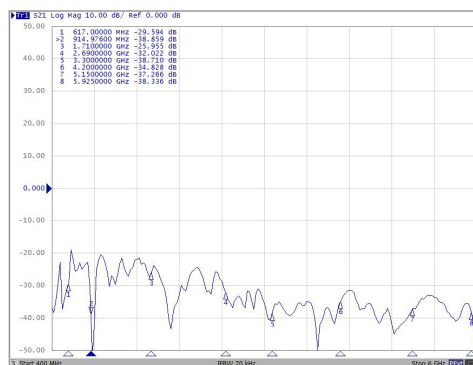
617~960MHz 1710~2690MHz Antenna 0 &
3300~4200MHz Antenna 5 S21

617~960MHz 1710~2690MHz Antenna 0 &
2400~2500MHz 5150~5850MHz WIFI 0
S21



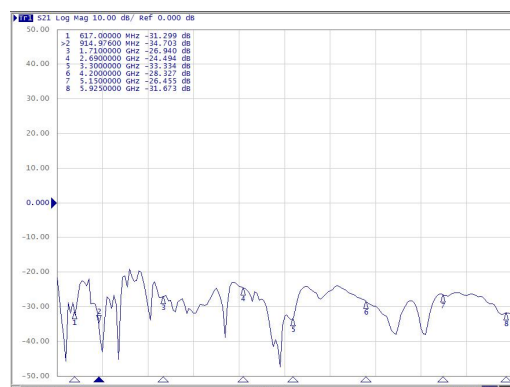
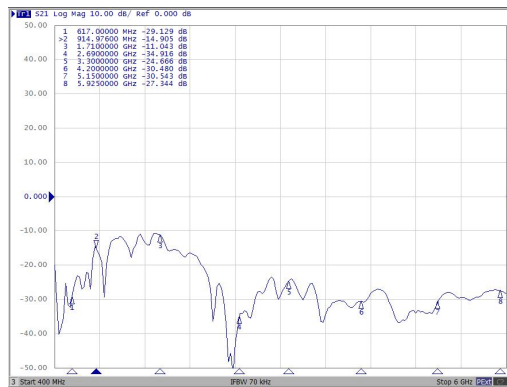
617~960MHz 1710~2690MHz Antenna 0 &
2400~2500MHz 5150~5850MHz WIFI 1
S21

617~960MHz 1710~2690MHz Antenna 2 &
3300~4200MHz Antenna 4 S21



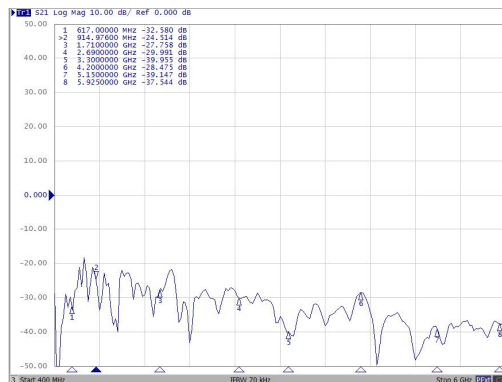
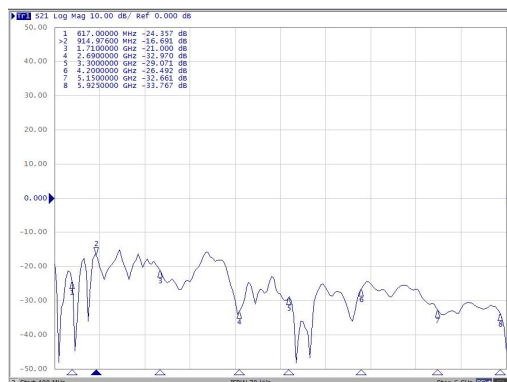
617~960MHz 1710~2690MHz Antenna 2 &
1930~2690MHz3300~4200MHz
5150~5925MHz Antenna 1 S21

617~960MHz 1710~2690MHz Antenna 2 &
1710~2690MHz3300~4200MHz
5150~5925MHz
Antenna 3 S21



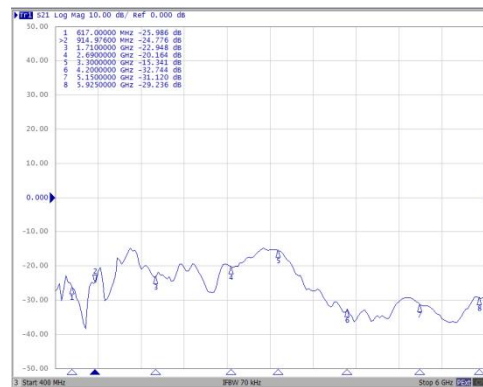
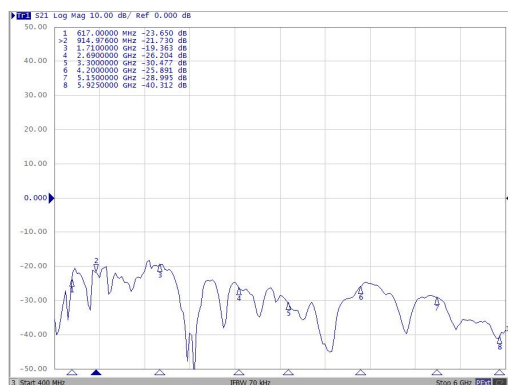
617~960MHz 1710~2690MHz Antenna 2 &
3300~4200MHz Antenna 5 S21

617~960MHz 1710~2690MHz Antenna 2 &
2400~2500MHz 5150~5850MHz WIFI 0
S21



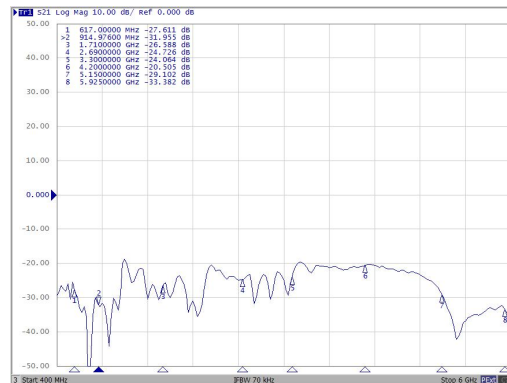
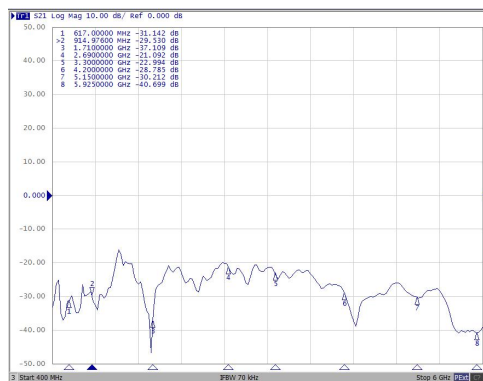
617~960MHz 1710~2690MHz Antenna2 &
2400~2500MHz 5150~5850MHz
WIFI 1 S21

3300~4200MHz Antenna 4 &
1930~2690MHz 3300~4200MHz
5150~5925MHz
Antenna 1 S21



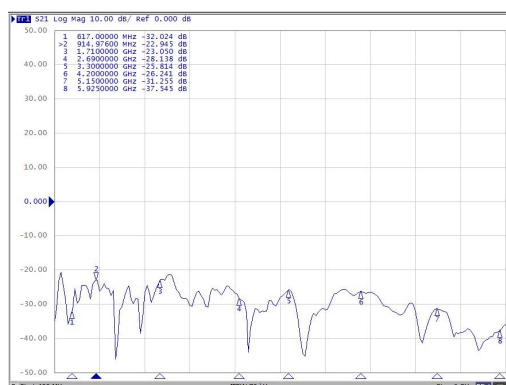
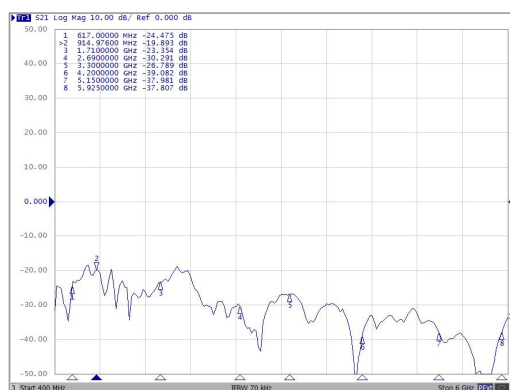
3300~4200MHz Antenna4 &
1710~2690MHz 3300~4200MHz
5150~5925MHz
Antenna 3 S21

3300~4200MHz Antenna 4 &
3300~4200MHz Antenna 5 S21



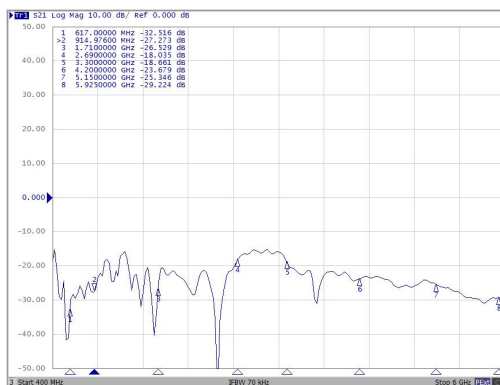
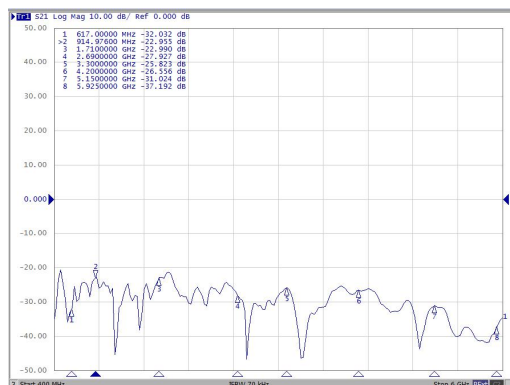
3300~4200MHz Antenna4 &
2400~2500MHz 5150~5850MHz WIFI 0
S21

3300~4200MHz Antenna 4&
2400~2500MHz 5150~5850MHz WIFI 1
S21

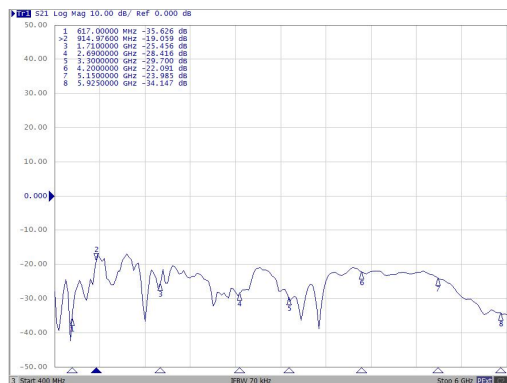


1930~2690MHz 3300~4200MHz
5150~5925MHz Antenna 1 &
1710~2690MHz 3300~4200MHz
5150~5925MHz
Antenna 3 S21

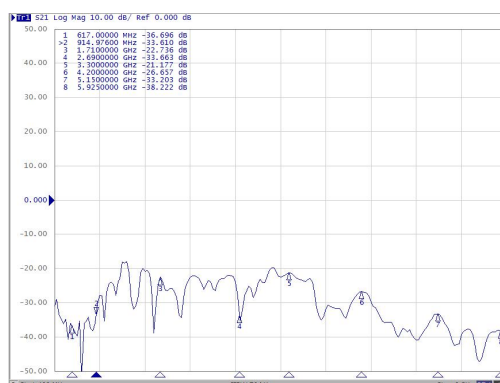
1930~2690MHz 3300~4200MHz
5150~5925MHz Antenna 1 &
3300~4200MHz Antenna 5 S21



1930~2690MHz 3300~4200MHz
5150~5925MHz Antenna1 &
2400~2500MHz 5150~5850MHz WIFI 0
S21



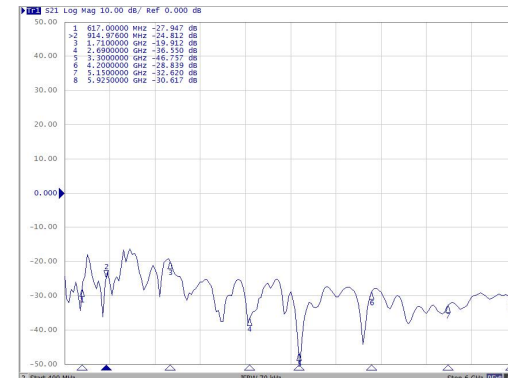
1930~2690MHz 3300~4200MHz
5150~5925MHz Antenna 1 &
2400~2500MHz 5150~5850MHz WIFI 1
S21



1710~2690MHz 3300~4200MHz
5150~5925MHz Antenna 3 &
3300~4200MHz Antenna 5 S21

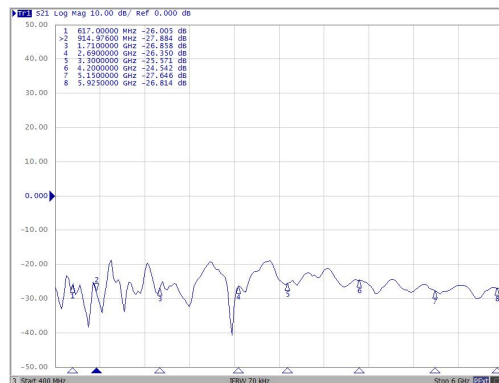
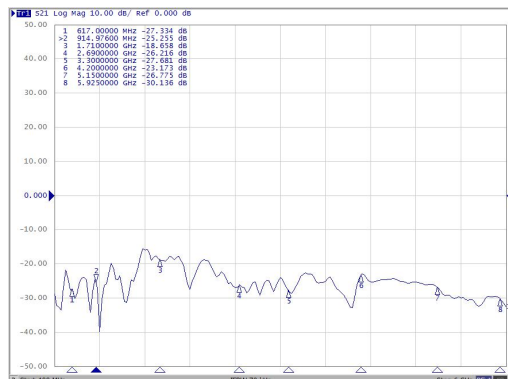


1710~2690MHz 3300~4200MHz
5150~5925MHz Antenna3 &
2400~2500MHz 5150~5850MHz WIFI 0
S21



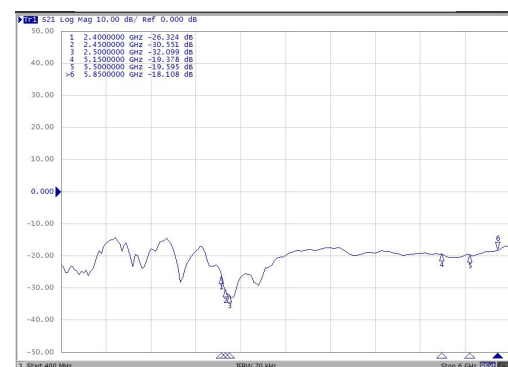
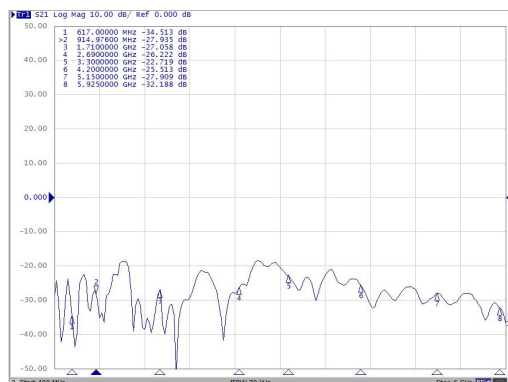
1710~2690MHz 3300~4200MHz
5150~5925MHz Antenna3&
2400~2500MHz 5150~5850MHz WIFI 1
S21

3300~4200MHz Antenna 5 &
2400~2500MHz 5150~5850MHz WIFI 0
S21



3300~4200MHz Antenna 5 &
2400~2500MHz 5150~5850MHz WIFI 1
S21

2400~2500MHz 5150~5850MHz WIFI 0 &
2400~2500MHz 5150~5850MHz WIFI 1 S21



Antenna 0 617~960MHz 1710~2690MHz Efficiency

Frequency (MHz)	Gain(dBi)	Efficiency(%)	Frequency (MHz)	Gain(dBi)	Efficiency(%)
600	-3.28	16.69	1700	1.24	55.53
620	0.56	31.26	1740	1.30	55.16
640	-0.48	28.03	1780	1.47	59.50
660	-1.33	20.84	1820	1.20	50.75
680	-1.12	22.30	1860	1.46	50.86
700	0.29	33.88	1900	1.53	55.98
720	1.86	32.84	1940	1.81	53.63
740	1.22	41.73	1980	1.82	54.61
760	1.31	43.54	2020	1.38	54.68
780	1.60	39.26	2060	1.02	52.21
800	0.87	38.70	2100	1.97	59.49
820	0.68	32.47	2140	1.03	51.94
840	0.90	35.30	2180	1.03	56.39
860	1.05	40.81	2220	1.39	52.31
880	1.63	46.45	2260	0.86	58.02
900	1.22	45.08	2300	0.22	58.11
920	1.31	47.38	2340	0.22	58.02
940	1.17	50.34	2380	0.79	55.70
960	1.60	49.19	2420	1.44	55.06
			2460	1.03	56.97
			2500	1.05	53.18
			2540	1.03	51.60
			2580	1.07	50.22
			2620	1.35	59.56
			2660	1.54	57.44
			2700	1.77	52.85

Antenna 2 617~960MHz 1710~2690MHz Efficiency

Frequency (MHz)	Gain(dBi)	Efficiency(%)	Frequency (MHz)	Gain(dBi)	Efficiency(%)
600	-8.08	8.73	1700	1.34	49.95
620	-5.51	13.44	1740	1.82	52.61
640	-4.19	17.83	1780	1.75	57.80
660	-1.18	21.36	1820	1.70	55.55
680	0.06	32.14	1860	1.70	56.89
700	0.92	39.01	1900	1.00	57.68
720	0.33	45.19	1940	1.13	58.19
740	1.43	50.27	1980	1.65	58.46
760	-0.06	47.13	2020	1.00	59.59
780	0.43	46.77	2060	1.37	58.73
800	-0.25	41.65	2100	1.35	56.43
820	0.85	37.72	2140	1.15	57.02
840	1.56	44.91	2180	1.50	59.18
860	1.43	48.84	2220	1.38	53.38
880	1.32	55.62	2260	0.86	52.07
900	1.56	58.41	2300	0.22	43.88
920	1.60	54.06	2340	0.22	39.69
940	1.27	53.54	2380	0.56	41.66
960	0.97	52.39	2420	0.92	51.20
			2460	1.12	50.42
			2500	1.07	59.83
			2540	1.04	50.67
			2580	1.04	56.27
			2620	1.58	57.59
			2660	1.77	51.41
			2700	1.04	45.91

Antenna 4 3300~4200MHz Efficiency

Frequency (MHz)	Gain(dBi)	Efficiency(%)	Frequency (MHz)	Gain(dBi)	Efficiency(%)
3300	-2.09	50.52			
3350	-2.09	52.13			
3400	-2.09	53.08			
3450	-2.09	53.56			
3500	-2.09	54.00			
3550	-2.09	55.58			
3600	-2.09	54.66			
3650	-2.09	56.90			
3700	-2.09	58.27			
3750	-2.09	58.21			
3800	-2.09	57.89			
3850	-2.09	55.20			
3900	-2.09	54.44			
3950	-2.09	52.76			
4000	-2.09	50.25			
4050	-2.09	59.52			
4100	-2.09	50.59			
4150	-2.09	53.05			
4200	-2.09	52.49			

Antenna 1 1930~2690MHz 3300~4200MHz 5150~5925MHz
Efficiency

Frequency (MHz)	Gain(dBi)	Efficiency(%)	Frequency (MHz)	Gain(dBi)	Efficiency(%)
1900	1.91	51.59	5150	2.09	67.84
1950	1.19	52.12	5200	2.06	66.55
2000	1.84	56.05	5250	2.07	60.26
2050	1.10	59.26	5300	2.79	66.00
2100	1.22	58.78	5350	2.27	60.91
2150	1.75	57.60	5400	2.96	66.36

2200	1.17	51.27	5450	2.22	69.41
2250	0.37	56.65	5500	2.61	62.59
2300	0.22	54.74	5550	2.72	64.16
2350	0.22	50.79	5600	2.10	57.57
2400	0.39	50.20	5650	2.40	58.13
2450	1.15	51.48	5700	2.29	54.80
2500	1.07	59.28	5750	2.16	58.03
2550	1.02	52.47	5800	2.43	58.22
2600	1.01	53.60	5850	2.50	63.19
2650	1.24	59.50	5900	2.91	58.81
2700	1.71	59.95	5950	2.65	59.42
3300	-2.09	50.74			
3350	-2.09	51.89			
3400	-2.09	51.14			
3450	-2.09	52.07			
3500	-2.09	52.77			
3550	-2.09	53.42			
3600	-2.09	52.54			
3650	-2.09	52.21			
3700	-2.09	54.67			
3750	-2.09	55.71			
3800	-2.09	56.54			
3850	-2.09	56.29			
3900	-2.09	55.27			
3950	-2.09	53.98			
4000	-2.09	52.29			
4050	-2.09	52.51			
4100	-2.09	53.09			
4150	-2.09	53.91			
4200	-2.09	53.74			

Antenna 3

1710~2690MHz

3300~4200MHz

5150~5925MHz Efficiency

Frequency (MHz)	Gain(dBi)	Efficiency(%)	Frequency (MHz)	Gain(dBi)	Efficiency(%)
1700	1.87	58.16	5150	2.95	68.22
1750	1.77	51.56	5200	2.86	67.74

1800	1.20	48.26	5250	2.00	62.35
1850	1.57	56.24	5300	2.12	59.72
1900	1.26	51.47	5350	2.37	65.01
1950	1.52	52.18	5400	2.88	61.71
2000	1.67	54.92	5450	2.23	66.52
2050	1.22	59.45	5500	2.71	60.36
2100	1.84	50.40	5550	2.11	66.08
2150	1.56	52.63	5600	2.89	58.75
2200	1.37	55.17	5650	2.05	61.69
2250	0.74	53.45	5700	2.27	57.05
2300	0.22	54.41	5750	2.33	59.06
2350	0.17	53.75	5800	2.54	56.74
2400	0.22	52.23	5850	2.51	66.26
2450	1.08	59.57	5900	2.50	61.55
2500	1.05	55.11	5950	2.65	61.48
2550	1.07	51.14			
2600	1.05	54.75			
2650	1.92	50.12			
2700	1.23	50.10			
3300	-2.09	52.32			
3350	-2.09	52.26			
3400	-2.09	52.51			
3450	-2.09	53.33			
3500	-2.09	54.59			
3550	-2.09	54.54			
3600	-2.09	55.28			
3650	-2.09	57.67			
3700	-2.09	58.42			
3750	-2.09	57.01			
3800	-2.09	55.45			
3850	-2.09	53.50			
3900	-2.09	52.50			
3950	-2.09	52.62			
4000	-2.09	52.42			
4050	-2.09	52.72			
4100	-2.09	52.42			
4150	-2.09	53.13			
4200	-2.09	53.46			

Antenna 5 3300~4200MHz Efficiency

Frequency (MHz)	Gain(dBi)	Efficiency(%)	Frequency (MHz)	Gain(dBi)	Efficiency(%)
3300	-2.09	57.52			
3350	-2.09	51.45			
3400	-2.09	57.40			
3450	-2.09	56.72			
3500	-2.09	57.03			
3550	-2.09	57.00			
3600	-2.09	56.74			
3650	-2.09	57.59			
3700	-2.09	50.17			
3750	-2.09	54.41			
3800	-2.09	51.62			
3850	-2.09	50.57			
3900	-2.09	51.56			
3950	-2.09	53.79			
4000	-2.09	54.23			
4050	-2.09	51.81			
4100	-2.09	52.99			
4150	-2.09	55.75			
4200	-2.09	55.99			

WIFI 0 2400~2500MHz 5150~5850MHz Efficiency

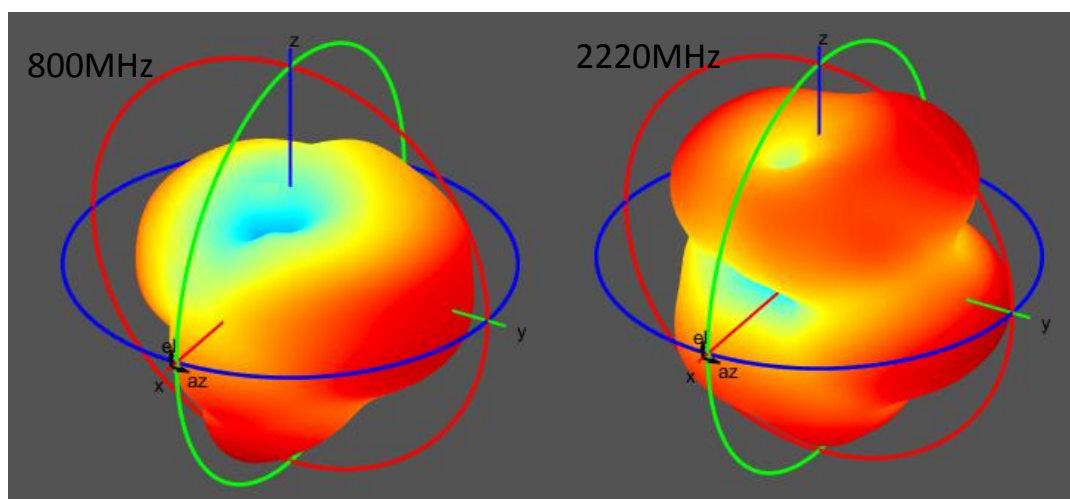
Frequency (MHz)	Gain(dBi)	Efficiency(%)	Frequency (MHz)	Gain(dBi)	Efficiency(%)
2400.00	4.4	66.79	5000.00	4.6	51.59
2410.00	4.5	66.44	5100.00	5.7	57.84
2420.00	4.5	68.26	5200.00	5.7	56.73
2430.00	4.3	68.49	5300.00	6.0	50.15
2440.00	4.1	66.92	5400.00	6.4	53.18
2450.00	4.0	67.11	5500.00	5.9	52.22
2460.00	3.9	69.02	5600.00	5.2	52.50

2470.00	3.7	67.52	5700.00	4.7	54.21
2480.00	3.7	67.42	5800.00	4.7	57.13
2490.00	3.4	66.61	5900.00	4.3	57.24
2500.00	3.3	66.43	6000.00	3.0	53.01

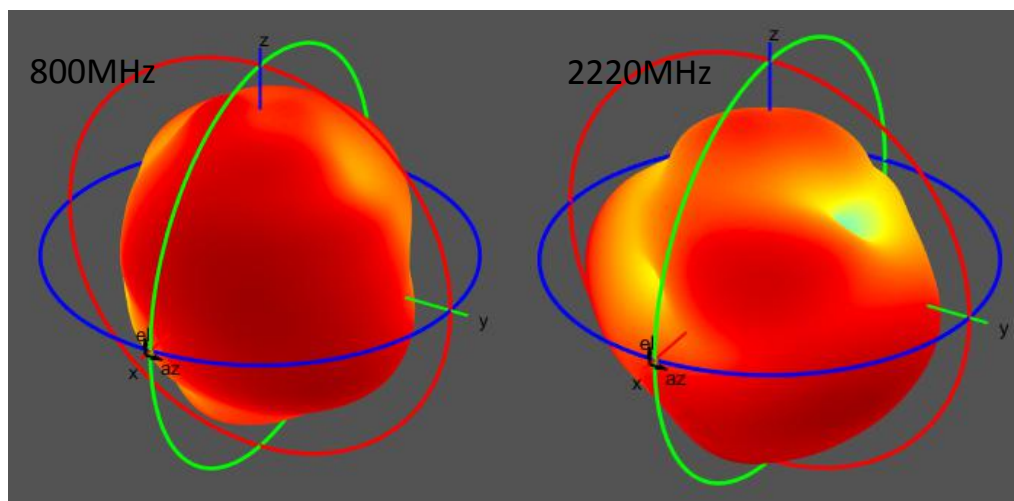
WIFI 1 2400~2500MHz 5150~5850MHz Efficiency

Frequency (MHz)	Gain(dBi)	Efficiency(%)	Frequency (MHz)	Gain(dBi)	Efficiency(%)
2400.00	2.6	65.67	5000.00	5.1	53.50
2410.00	2.6	65.73	5100.00	5.2	54.53
2420.00	3.0	67.40	5200.00	4.4	52.32
2430.00	3.4	67.67	5300.00	3.7	50.24
2440.00	3.1	66.22	5400.00	4.6	51.91
2450.00	3.1	66.27	5500.00	5.0	50.95
2460.00	3.4	68.05	5600.00	4.3	50.96
2470.00	3.6	67.70	5700.00	3.5	53.03
2480.00	3.6	68.02	5800.00	3.5	54.52
2490.00	3.8	68.45	5900.00	3.6	54.10
2500.00	3.9	68.03	6000.00	3.0	51.70

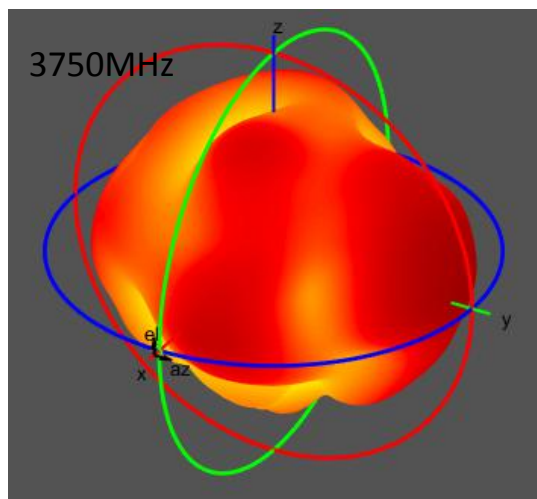
Antenna 0 617~960MHz 1710~2690MHz 3D



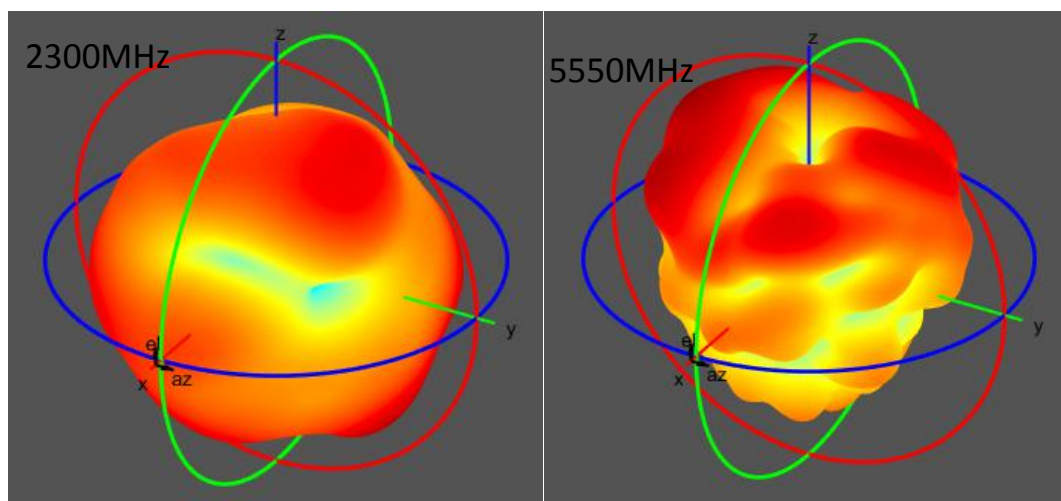
Antenna2 617~960MHz 1710~2690MHz 3D



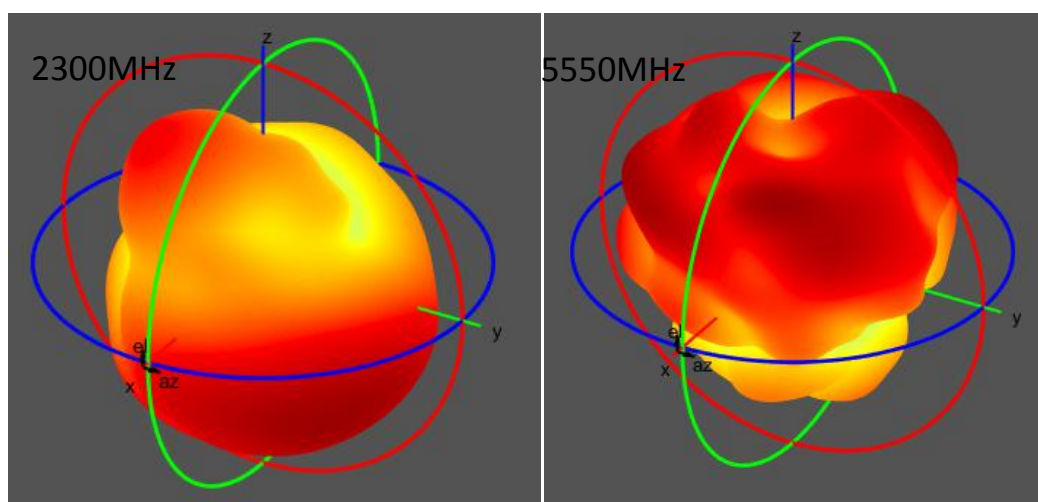
Antenna 4 3300~4200MHz 3D



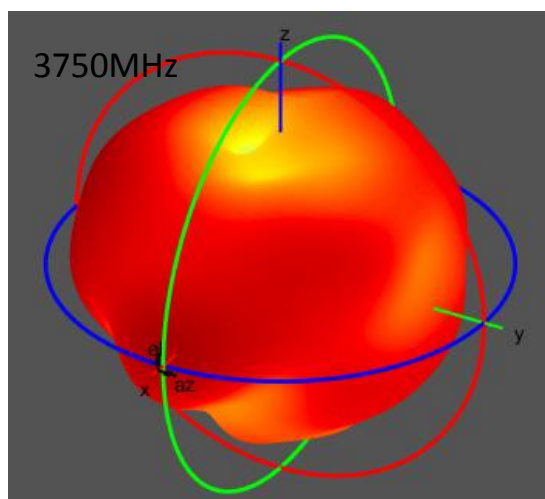
Antenna 1 1930~2690MHz 3300~4200MHz 5150~5925MHz 3D



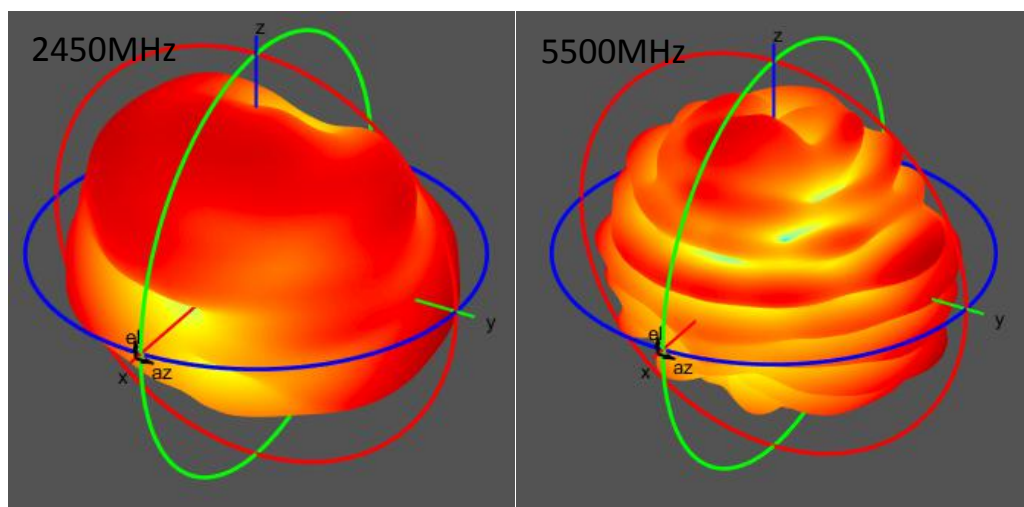
Antenna 3 2400~2500MHz 3300~4200MHz 5150~5850MHz 3D



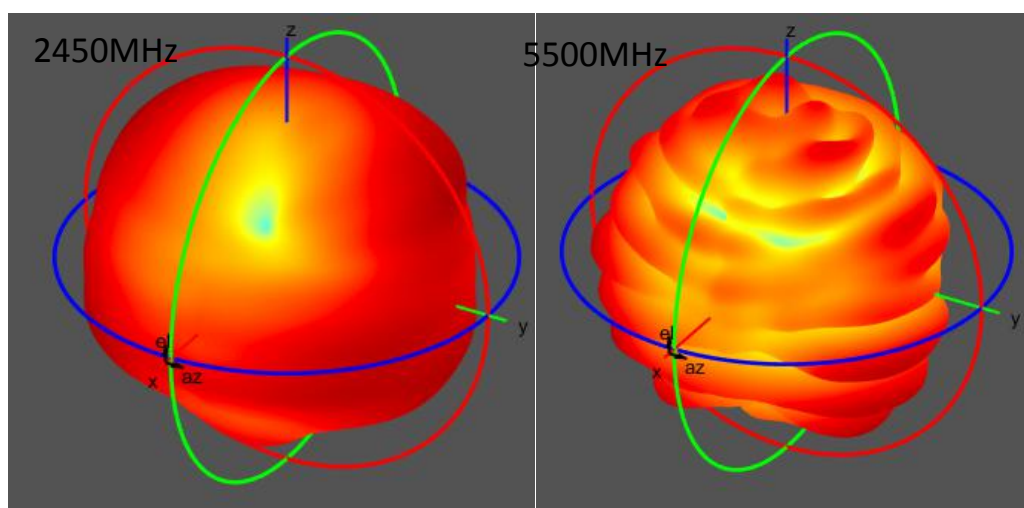
Antenna 5 3300~4200MHz 3D



WIFI 0 2400~2500MHz 5150~5850MHz 3D



WIFI 1 2400~2500MHz 5150~5850MHz 3D



2.2 Active Test Result(TRP TIS)

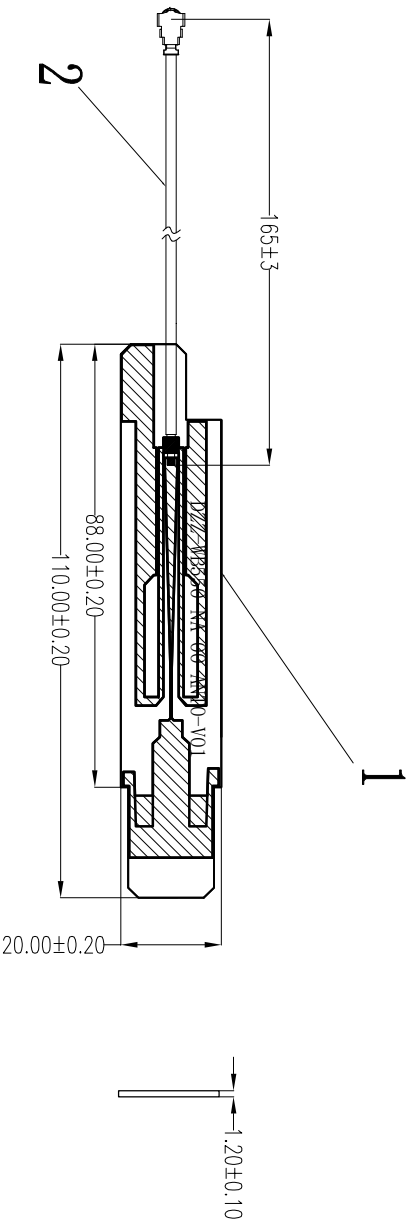
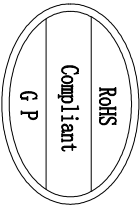
LTE	Channel	TRP(dBm)	TIS(dBm)	LTE	Channel	TRP(dBm)	TIS(dBm)
Band 2(10M)	L	20.62	-99.92	Band 25(10M)	L	20.7	-100.5
	M	20.62	-99.11		M	20.23	-100.21
	H	20.69	-99.74		H	20.08	-100.25
Band 66(4) (10M)	L	20.04	-99.56	Band 26(10M)	L	20.25	-100.01
	M	20.34	-99.97		M	19.56	-100.01
	H	20.29	-99.55		H	19.81	-100.05
Band 5(10M)	L	20.6	-99.19	Band 30(10M)	M	18.66	-97.12
	M	20.85	-99.23	Band 41(20M) (TIS WIFI CH1)	L	22.01	-96.58
	H	20.32	-99.33		M	22.14	-96.09
Band 7(10M) (TIS WIFI CH1)	L	20.04	-99.67	Band 48(20M)	H	22.87	-96.59
	M	19.94	-99.56		L	19.3	-100.89
	H	19.75	-98.84		M	20.56	-100.24
Band 12(10M)	L	18.57	-93.92	Band 71(10M)	H	19.01	-100.8
	M	18.83	-96.68		L	17.75	-95.83
	H	18.85	-97.43		M	18.58	-96.42
Band 13(10M)	L	19.9	-97.27		H	18.98	-95.79
	M	19.94	-97.22				
	H	19.92	-100.06				
Band 14(10M)	L	20.52	-95.05				
	M	20.35	-95				
	H	20.27	-97.52				

Band 17(10M)	L	18.27	-95.75	
	M	18.63	-95.33	
	H	18.88	-94.9	

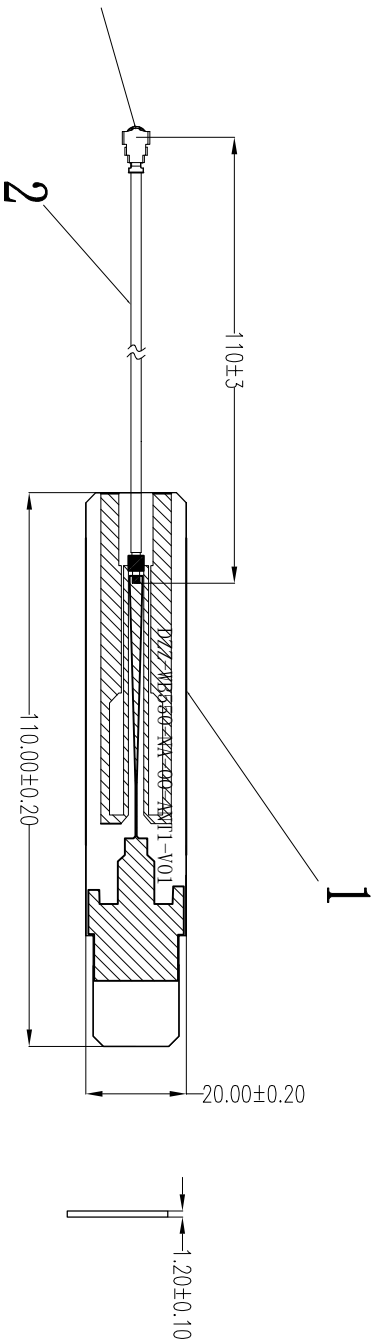
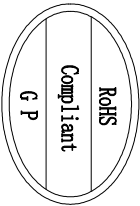
5G SA	Channels	SCS(KHz)	TRP(dBm)	TIS(dBm)
N2 (10MHz)	L	30	21.06	-99.13
	M	30	20.98	-99.45
	H	30	20.87	-99.66
N5 (10MHz)	L	30	20.52	-95.38
	M	30	21.05	-95.05
	H	30	20.67	-95.67
n7 (10MHz) (TIS WIFI CH1)	L	30	20.42	-96.44
	M	30	20.36	-96.14
	H	30	20.28	-96.74
N12 (10MHz)	L	30	20.01	-96.35
	M	30	19.94	-96.11
	H	30	19.72	-95.48
N14 (10MHz)	L	30	20.02	-93.62
	M	30	20.12	-93.55
	H	30	20.02	-93.78

N25 (10MHz)	L	30	21.72	-99.12
	M	30	20.26	-99.21
	H	30	20.95	-99.29
n30 (10MHz) n41 (100MHz) (TIS WIFI CH1)	L	30	19.67	-97.65
	L	30	22.59	-87.09
	M	30	22.65	-88.53
	H	30	22.98	-89.38
n48 (100MHz)	L	30	20.52	-92.38
	M	30	20.57	-92.34
	H	30	20.62	-91.88
N66 (10MHz)	L	30	20.36	-98.02
	M	30	20.4	-97.58
	H	30	20.37	-97.8
N71 (10MHz)	L	30	18.57	-102.43
	M	30	18.98	-101.23
	H	30	19.4	-101.86
n77 (100MHz)	L	30	22.87	-91.39
	M	30	23.14	-91.21
	H	30	23.21	-91.02
n78 (100MHz)	L	30	22.82	-91.49
	M	30	22.78	-91.52
	H	30	22.9	-91.75

2.4G WIFI/11b			
channel	1	6	11
TRP(dBm) (11Mbps)	15.14	15.42	15.53
TIS(dBm) (11Mbps)	-90.18	-88.88	-90.56
5G WIFI /11a			
channel	36		161
TRP(dBm) (6Mbps)	17.03		17.32
TIS(dBm) (54Mbps)	-81.77		-82.22

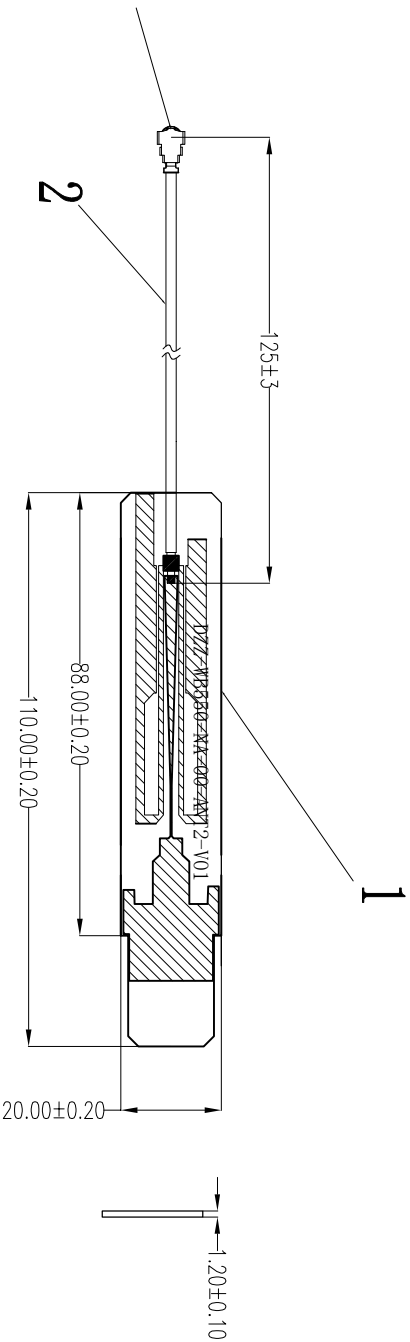
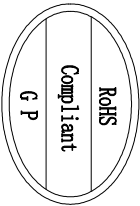


SHEN ZHEN Be Comfortable CO., LTD													
				Third Angle		Project		WB550-NA-00		Date		2022. 10. 25	
0~10 ±0.05						0.02		Part Name		ANTO		Designed by	
10~18 ±0.10						ø 0.03		Part No.		NI2-7238-R0A		MD 田进	
18~30 ±0.12						0.02		Material		N/A		Checked by RF 边博	
30~40 ±0.15						0.04		DWG No.				Approved by	
40~ ±0.20				Angle ±0.5°		Unit mm						Scale 1:1	
Location				N/A		6		7		8			
1				2		3		4		5			
Rev				Description		Date		Remark					
A				New drawing									
D													

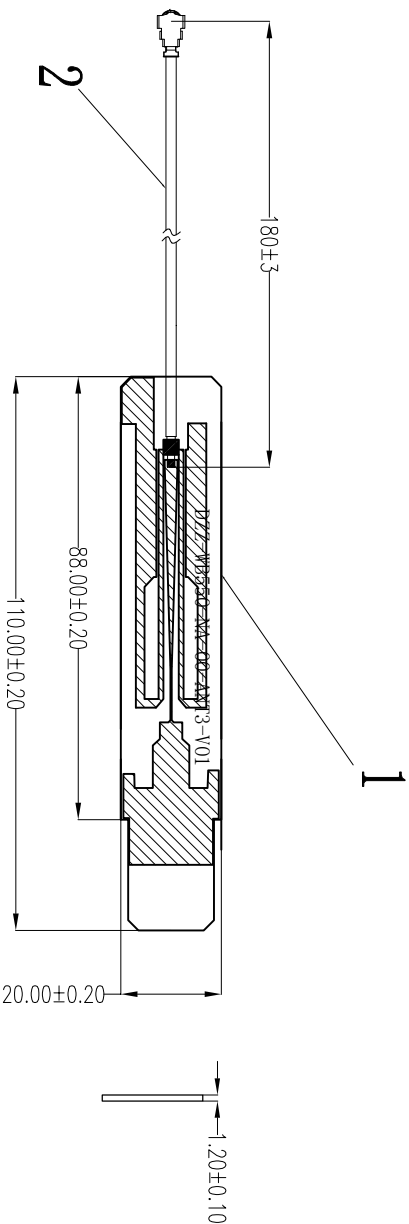
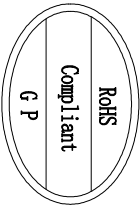


SHEN ZHEN Be Comfortable CO., LTD									
		Third Angle		Project		WB550-NA-00		Date	
0~10 ±0.05		○		0.02		Part Name		ANT1	
10~18 ±0.10		◎		ø 0.03		Part No.		NI2-7239-R0A	
18~30 ±0.12		⊥		0.02		Material		N/A	
30~40 ±0.15		∇		0.04		DWG No.		Approved by	
40~ ±0.20		Angle ±0.5°							
Location		N/A						Unit mm	
								Scale 1:1	
								Rev A	

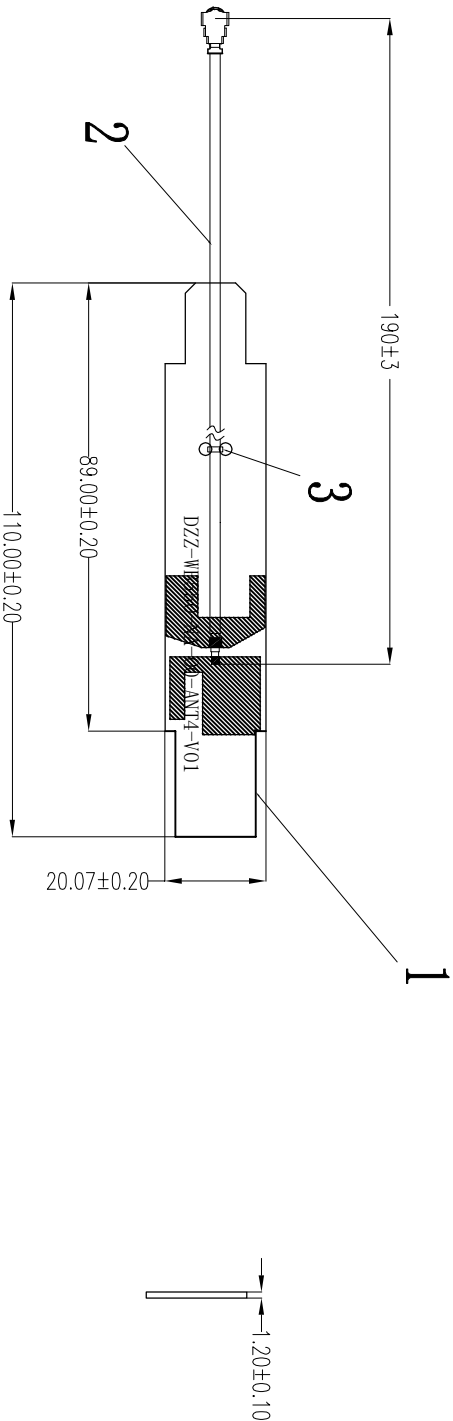
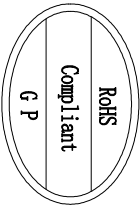
Rev	Description	Date	Remark
1	New drawing		



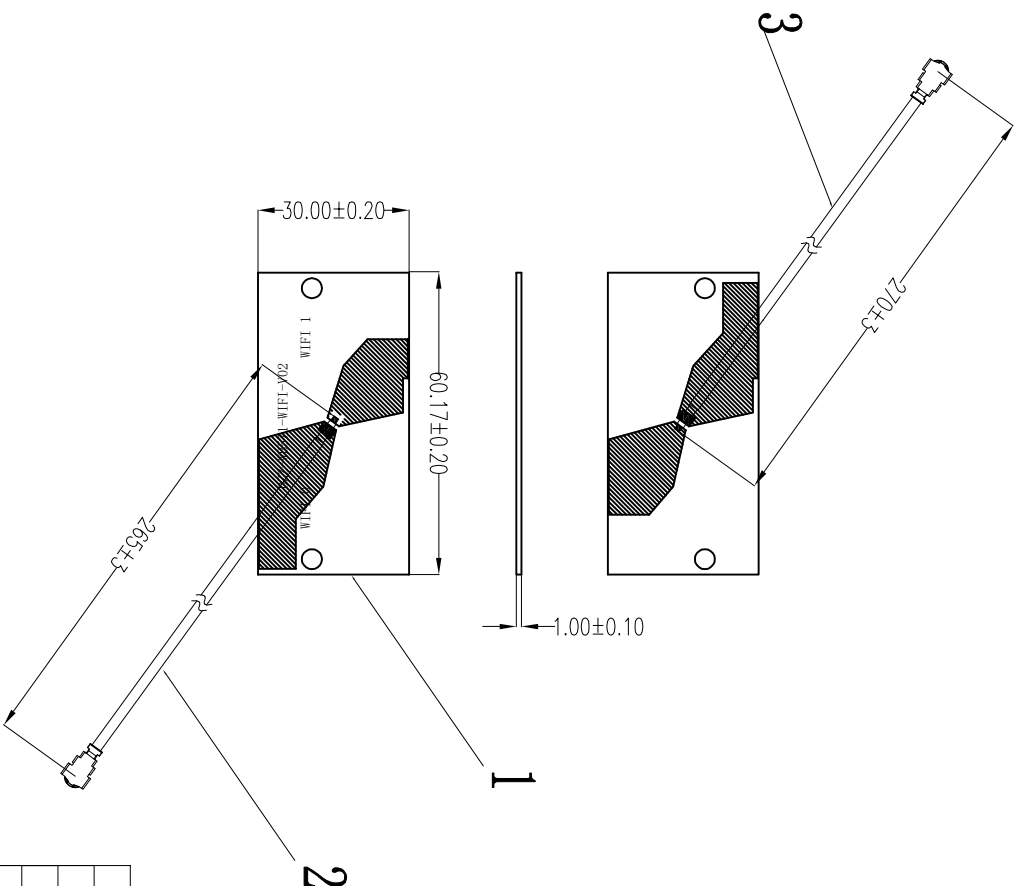
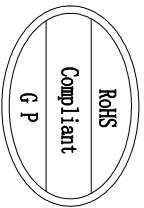
SHEN ZHEN Be Comfortable CO., LTD											
				Project		WB550-NA-00		Date		2022.10.25	
				Third Angle		ANT2		Designed by			
				0~10 ±0.05		○		0.02			
				10~18 ±0.10		◎		∅ 0.03			
				18~30 ±0.12		┴		0.02			
				30~40 ±0.15		∇		0.04			
				40~ ±0.20		Angle		±0.5°			
				Location		N/A		DWG No.			
				5		6		7		8	
								Unit		mm	
								Scale		1:1	
								Rev		A	



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<table><tr><td colspan="2"></td><td>Third Angle</td><td>Project</td><td colspan="2">WB550-NA-00</td><td>Date</td><td colspan="8">2022.10.25</td></tr><tr><td colspan="2">0~10 ±0.05</td><td></td><td>0.02</td><td colspan="2">Part Name</td><td colspan="2">ANT3</td><td colspan="2">Designed by</td><td colspan="6"></td></tr><tr><td colspan="2">10~18 ±0.10</td><td></td><td>0.03</td><td colspan="2">Part No.</td><td colspan="2">N12-7241-R0A</td><td colspan="2">Checked by</td><td colspan="2">MD</td><td colspan="4">田进</td></tr><tr><td colspan="2">18~30 ±0.12</td><td></td><td>0.02</td><td colspan="2">Material</td><td colspan="2">N/A</td><td colspan="2">Approved by</td><td colspan="2">RF</td><td colspan="4">边博</td></tr><tr><td colspan="2">30~40 ±0.15</td><td></td><td>0.04</td><td colspan="2">DWG No.</td><td colspan="2"></td><td colspan="2">Unit</td><td colspan="2">mm</td><td colspan="2">Scale</td><td colspan="2">1:1</td></tr><tr><td colspan="2">40~</td><td></td><td>±0.20</td><td colspan="2">Angle</td><td colspan="2">±0.5°</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr></table>																	Third Angle	Project	WB550-NA-00		Date	2022.10.25								0~10 ±0.05			0.02	Part Name		ANT3		Designed by								10~18 ±0.10			0.03	Part No.		N12-7241-R0A		Checked by		MD		田进				18~30 ±0.12			0.02	Material		N/A		Approved by		RF		边博				30~40 ±0.15			0.04	DWG No.				Unit		mm		Scale		1:1		40~			±0.20	Angle		±0.5°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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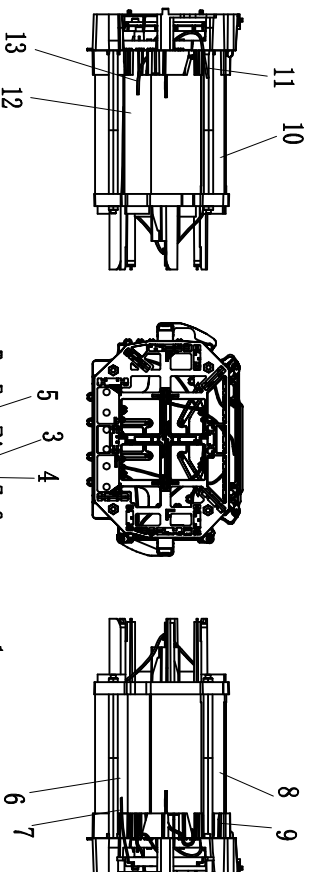
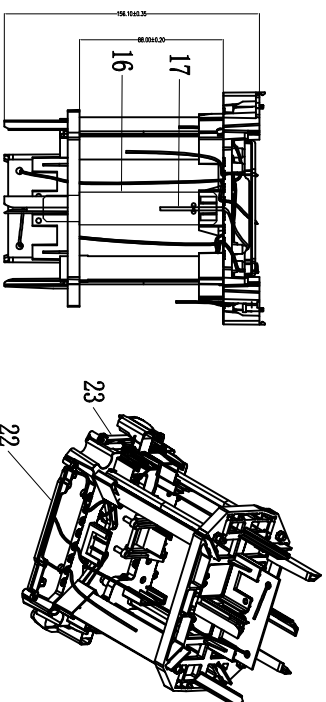


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Rev	A	New drawing											
	Description				Date	Remark							
	1		2	3	4								
SHEN ZHEN Be Comfortable CO.,LTD													
			Third Angle		Project		WB550-NA-00						
			Part Name		ANT4		Date						
			Part No.		N12-7242-R0A		Designed by						
			Material		N/A		Checked by						
			DWG No.				Approved by						
			Unit		mm		Scale						
			1:1		Rev		A						



SHEN ZHEN Be Comfortable CO.,LTD									
		Third Angle		Project		WB550-NA-00		Date	
0~10 ±0.05		○		0.02		Part Name		2022.10.25	
10~18 ±0.10		◎		ø 0.03		Part No.		NI2-7244-R0A	
18~30 ±0.12		⊥		0.02		Material		N/A	
30~40 ±0.15		∇		0.04		DWG No.		Approved by	
40~		±0.20		Angle ±0.5°		Unit		mm	
Location		N/A		Scale		1:1		Rev	
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Rev	Description	Date	Remark	Location	dwg No.	Unit	Scale	1:1	Rev	A
				10~18 ±0.5		MD			田进	
				18~30 ±0.8		Checked by			边博	
				30~40 ±1.0		RF				
A	New drawing			40~ ±2.0		Approved by				
				Angle ±0.5°						
				N/A						

SHEN ZHEN Be Comfortable CO., LTD											
		Third Angle		Project		WB550-NA-00		Date		2022.9.1	
0~10		±0.2		○		PartName		成品天线		Designed by	
10~18		±0.5		◎		Part No.		NL2-7218-R0A		MD	
18~30		±0.8		⊥		Material		N/A		Checked by	
30~40		±1.0		∠						RF	
40~		±2.0		Angle ±0.5°						Approved by	
Location		N/A				dwg No.		Unit		mm	
								Scale		1:1	
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D