



尚远科技（中国）有限公司

Sunnyway Technology (China) Co. Ltd.

Antenna SPEC

Project Name: 5G ant

Working Band: 600~7225MHz

Type: Sector Glue Stick Antenna (External Detachable)

Sunnyway BOM:

SPEC-Type	Sunnyway P/N
5G	SH19280IB56

R&D	ME:	PM:	Confirm:
	RF:		

Shanghai Address: 3F, building 65, No. 421, Hong Cao Road, Xuhui District, Shanghai, PRC.

Shenzhen Address: Room 405, Jinke Building, No. 8 Qiongyu Road, Shenzhen, PRC.

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Factory Address: 5th floor, No. 1 Zhongxincun Road, LongHu Industrial Zone, Shuikou Town, Huizhou City. PRC.

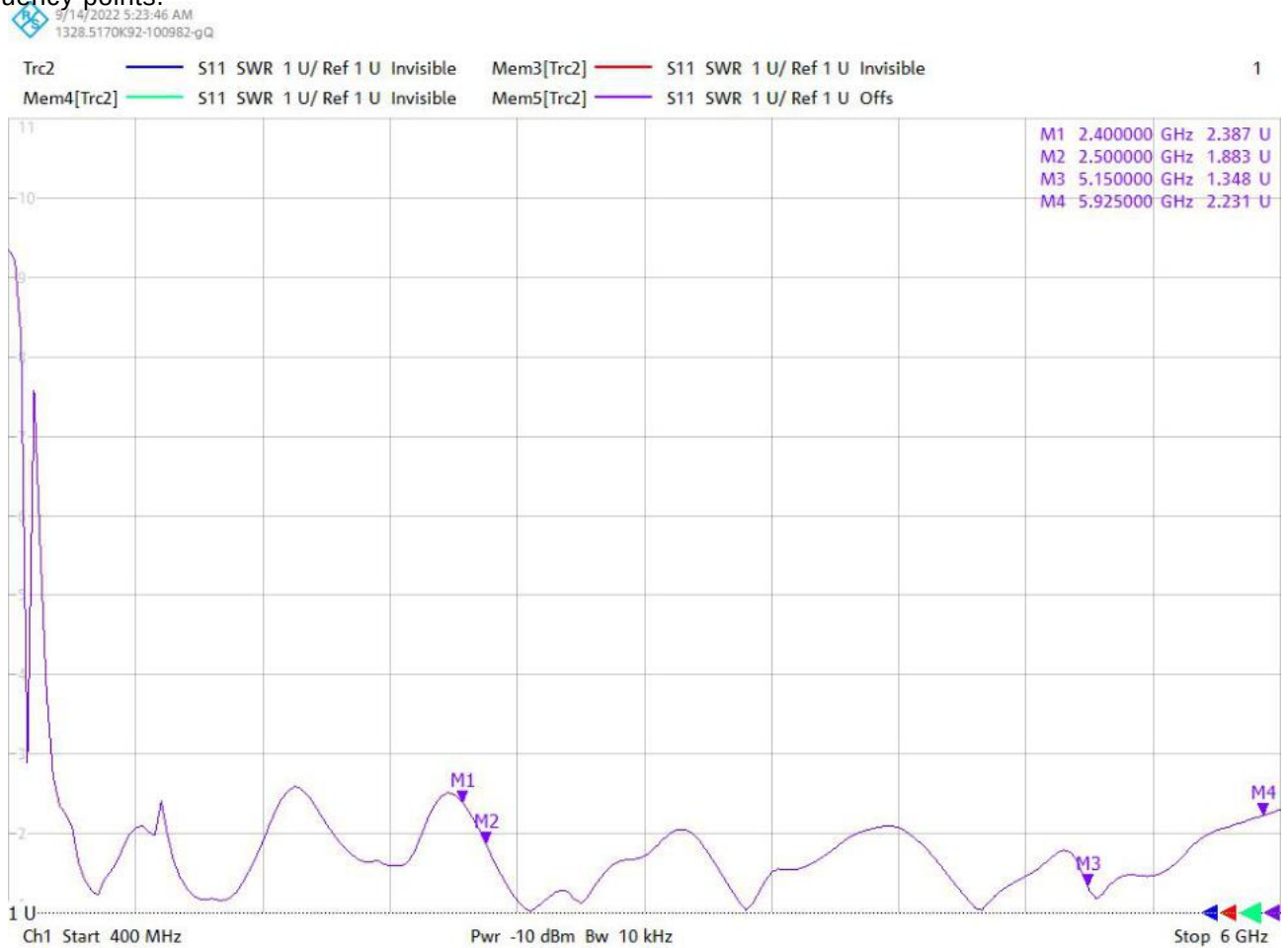
1. ELECTRICAL SPECIFICATIONS

1.1 S11 test

S11 test method instructions

Test equipment: LNA(HP 8753E)

Test method: With a 50 ohm CABLE ,CABLE export from instrument testing port , After the calibration with calibration Key, connected to the SMA connector, Records the return loss and VSWR of the related frequency points.



Fre (MHz)	2400	2500	5150	5925
VSWR	2.9	1.8	1.6	2.2
Eff (%)	50.8	54.2	51.3	45.6
Gain (dBi)	2.6	1.3	3.1	4.0

1.2 CHAMBER TEST DATA

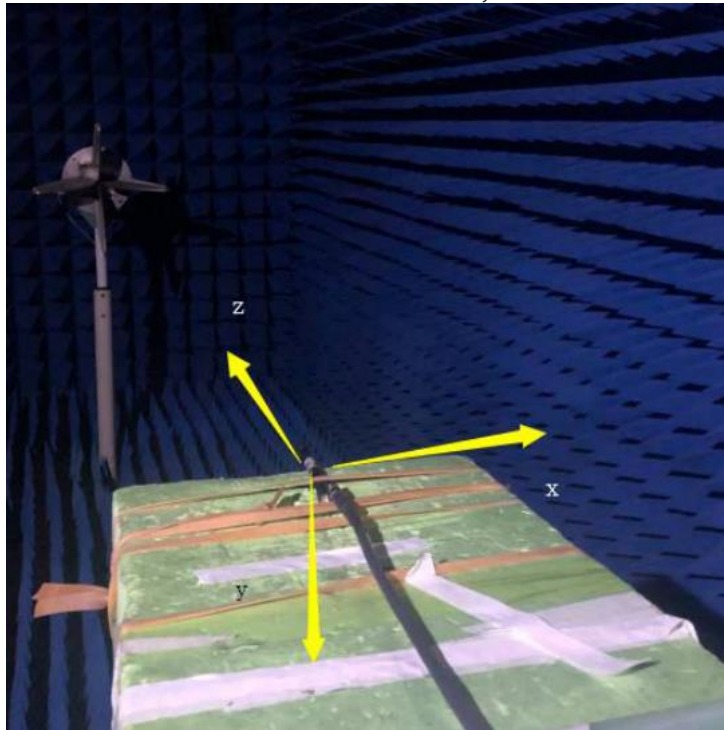
Test equipment

Test system: chamber

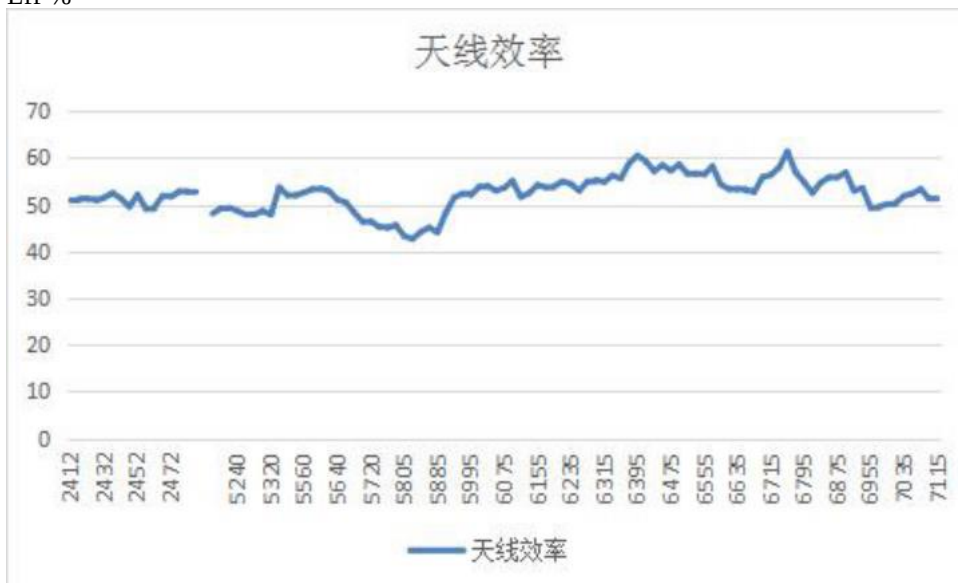
Test environment: the temperature of $22\text{ }^{\circ}\text{C} + 3\text{ }^{\circ}\text{C}$, humidity of 50% plus or minus 15%

Test equipment: to test passive status , use LNA Agilent E5062C

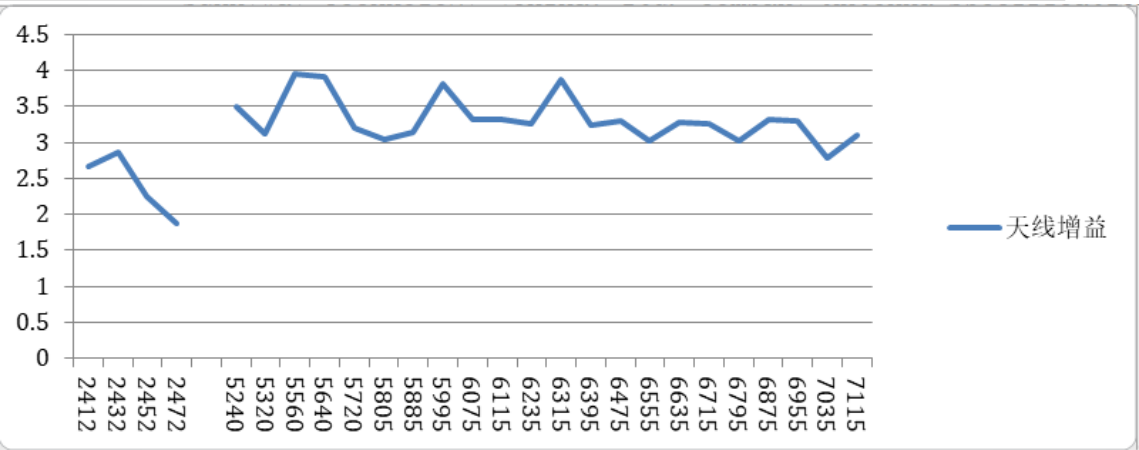
to test active status, use CMW500



Eff %



Gain (dBi)



Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Peak Gain (dBi)
2412	50.9	-2.93	2.66
2417	51.29	-2.9	2.97
2422	51.17	-2.91	2.45
2427	50.82	-2.94	2.47
2432	51.52	-2.88	2.87
2437	52.48	-2.8	2.49
2442	51.29	-2.9	2.36
2447	49.55	-3.05	2.43
2452	52.12	-2.83	2.25
2457	49.09	-3.09	2.00
2462	49.43	-3.06	2.31
2467	51.88	-2.85	1.91
2472	51.64	-2.87	1.87
2484	52.84	-2.77	1.47

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Peak Gain (dBi)
5180	48.08	-3.18	3.06
5200	49.2	-3.08	3.16
5220	49.32	-3.07	3.47
5240	48.64	-3.13	3.50
5260	47.86	-3.2	3.47
5280	47.86	-3.2	3.38
5300	48.64	-3.13	3.47
5320	47.86	-3.2	3.12

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5500	53.7	-2.7	3.41
5520	52	-2.84	3.44
5540	52	-2.84	3.83
5560	52.6	-2.79	3.94
5580	53.33	-2.73	3.02
5600	53.46	-2.72	3.02
5620	52.84	-2.77	3.34
5640	51.05	-2.92	3.91
5660	50.47	-2.97	3.06
5680	48.31	-3.16	3.06
5700	46.34	-3.34	3.22
5720	46.45	-3.33	3.20
5745	45.19	-3.45	3.19
5765	44.98	-3.47	3.11
5785	45.6	-3.41	3.23
5805	43.25	-3.64	3.04
5825	42.66	-3.7	3.12
5845	44.16	-3.55	3.52
5865	45.08	-3.46	3.60
5885	44.06	-3.56	3.14

Frequency (MHz)	Efficiency	Efficiency (dB)	Peak Gain (dBi)
5935	-3.16	48.31	3.86
5955	-2.88	51.52	3.13
5975	-2.81	52.36	3.99
5995	-2.84	52	3.82
6015	-2.69	53.83	3.76
6035	-2.67	54.08	3.74
6055	-2.76	52.97	3.21
6075	-2.71	53.58	3.32
6095	-2.59	55.08	3.37
6115	-2.87	51.64	3.32
6135	-2.8	52.48	3.50
6155	-2.66	54.2	3.85
6175	-2.7	53.7	3.05
6195	-2.68	53.95	3.05
6215	-2.6	54.95	3.19
6235	-2.64	54.45	3.26

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6255	-2.76	52.97	3.33
6275	-2.6	54.95	3.57
6295	-2.57	55.34	3.88
6315	-2.61	54.83	3.82
6335	-2.5	56.23	3.05
6355	-2.55	55.59	3.14
6375	-2.3	58.88	3.14
6395	-2.18	60.53	3.24
6415	-2.27	59.29	3.20
6435	-2.43	57.15	3.23
6455	-2.33	58.48	3.23
6475	-2.42	57.28	3.29
6495	-2.32	58.61	3.22
6515	-2.47	56.62	3.04
6535	-2.47	56.62	3.95
6555	-2.49	56.36	3.02
6575	-2.35	58.21	3.06
6595	-2.65	54.33	3.76
6615	-2.73	53.33	3.40
6635	-2.73	53.33	3.27
6655	-2.76	52.97	3.22
6675	-2.79	52.6	3.24
6695	-2.53	55.85	3.32
6715	-2.49	56.36	3.26
6735	-2.37	57.94	3.27
6755	-2.12	61.38	3.46
6775	-2.45	56.89	3.29
6795	-2.61	54.83	3.03
6815	-2.8	52.48	3.93
6835	-2.62	54.7	3.94
6855	-2.53	55.85	3.74
6875	-2.53	55.85	3.32
6895	-2.45	56.89	3.55
6915	-2.76	52.97	3.82
6935	-2.71	53.58	3.22
6955	-3.07	49.32	3.48
6975	-3.05	49.55	3.30
6995	-3	50.12	3.56

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7015	-2.98	50.35	2.48
7035	-2.85	51.88	2.79
7055	-2.81	52.36	2.86
7075	-2.73	53.33	2.98
7095	-2.9	51.29	2.75
7115	-2.93	50.93	3.09

2, STRUCTURAL DRAWINGS



