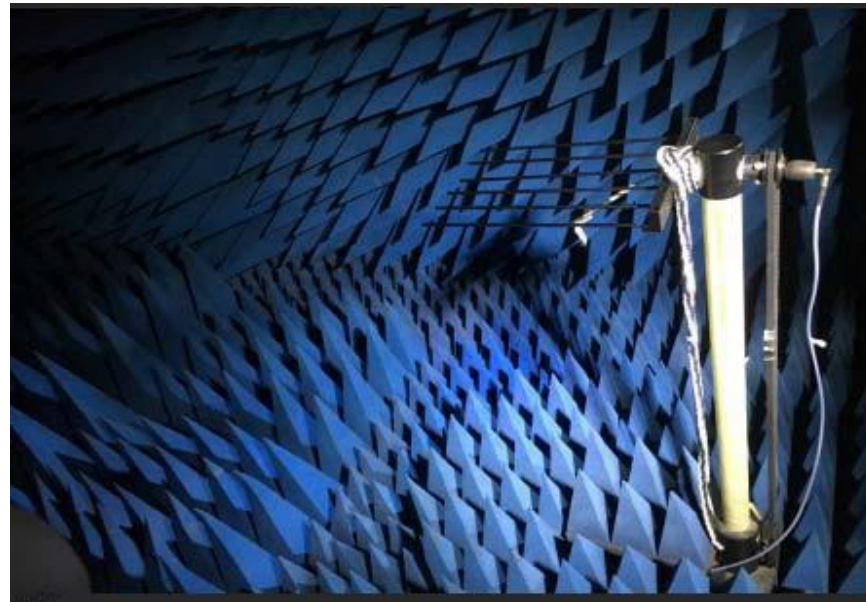

Antenna test report

customer	Arashi	project	
Frequency band	Dual-band 2.4G/5G	version	V1.0
Antenna engineer	Liu Yunhai	date	2020.03.10

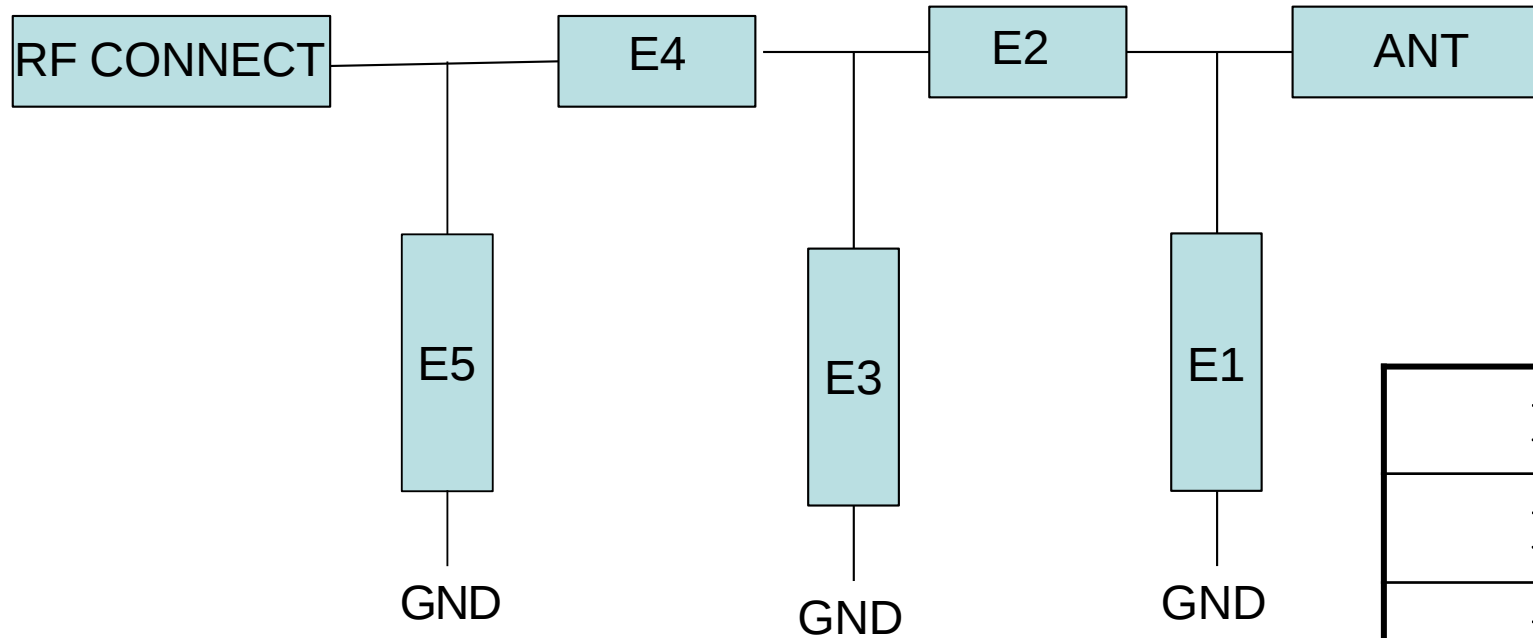
1. Test equipment

Vector network analyzer	Agilent E5071B
Dark room	OTA-500
tester	Liu Yunhai



2. Matching circuit

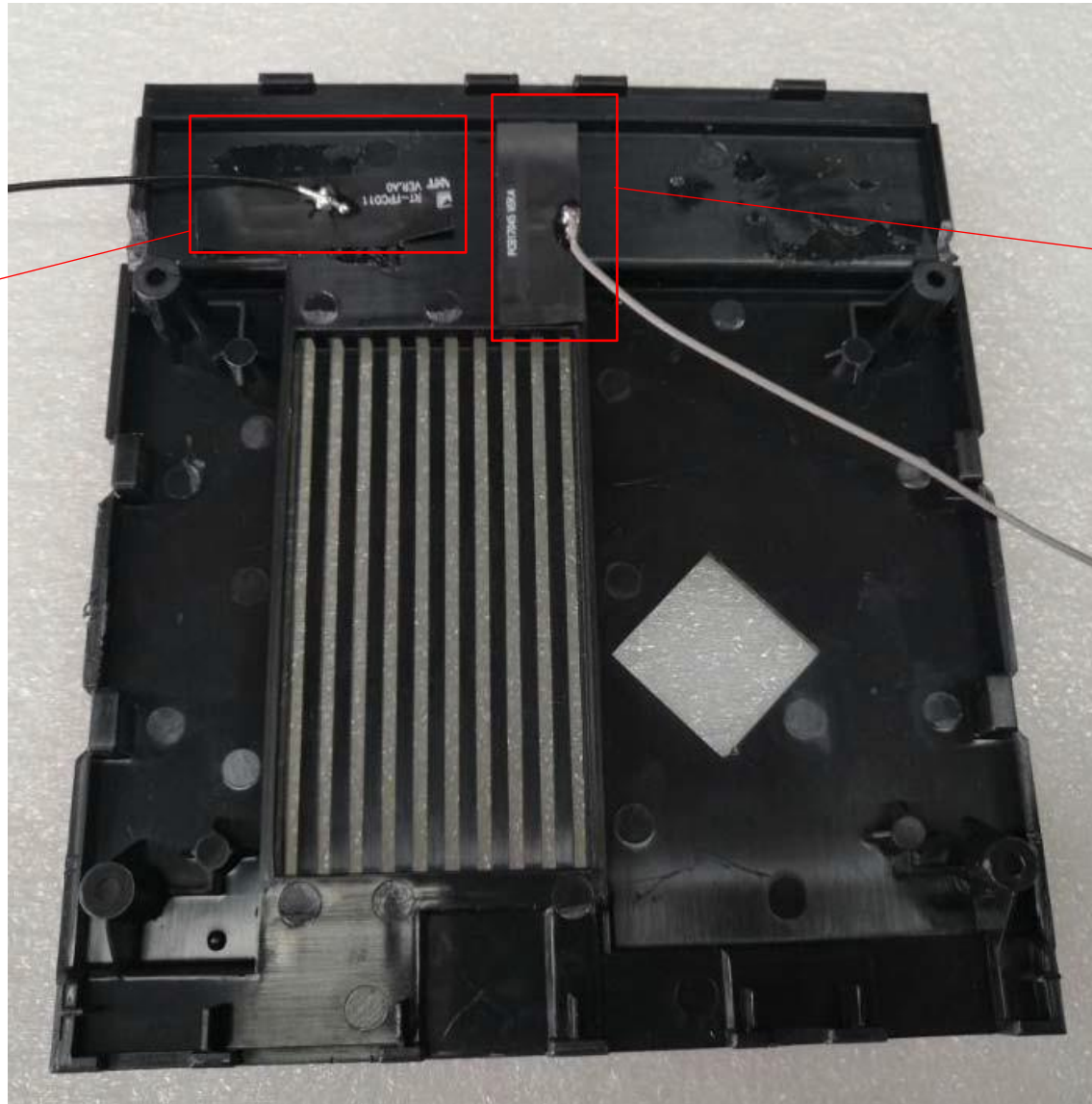
The match has not changed, according to the motherboard original match



E1	vacancy
E2	0 Ω
E3	vacancy
E4	0 Ω
E5	vacancy

3. Antenna object

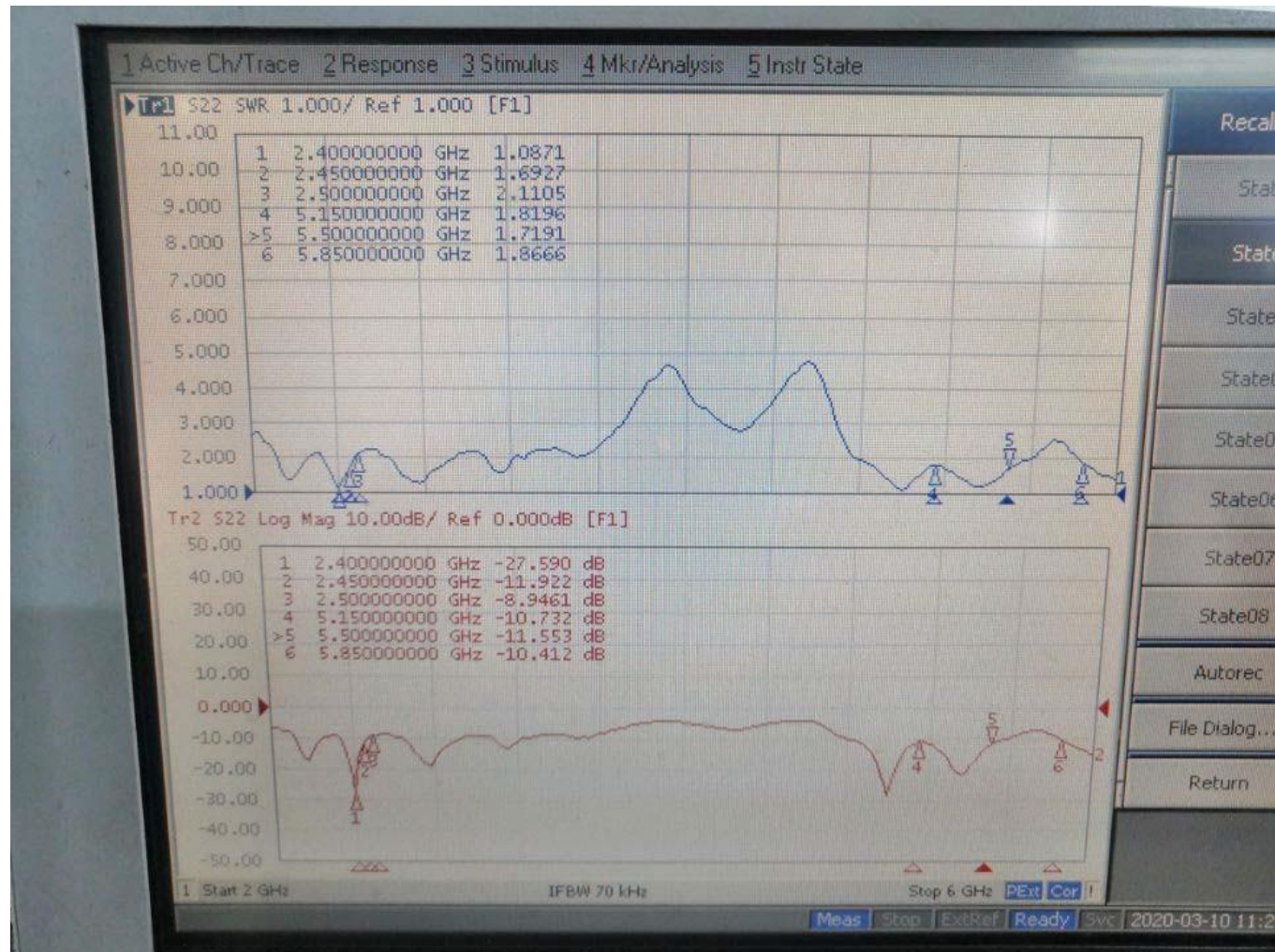
ANT1



ANT2

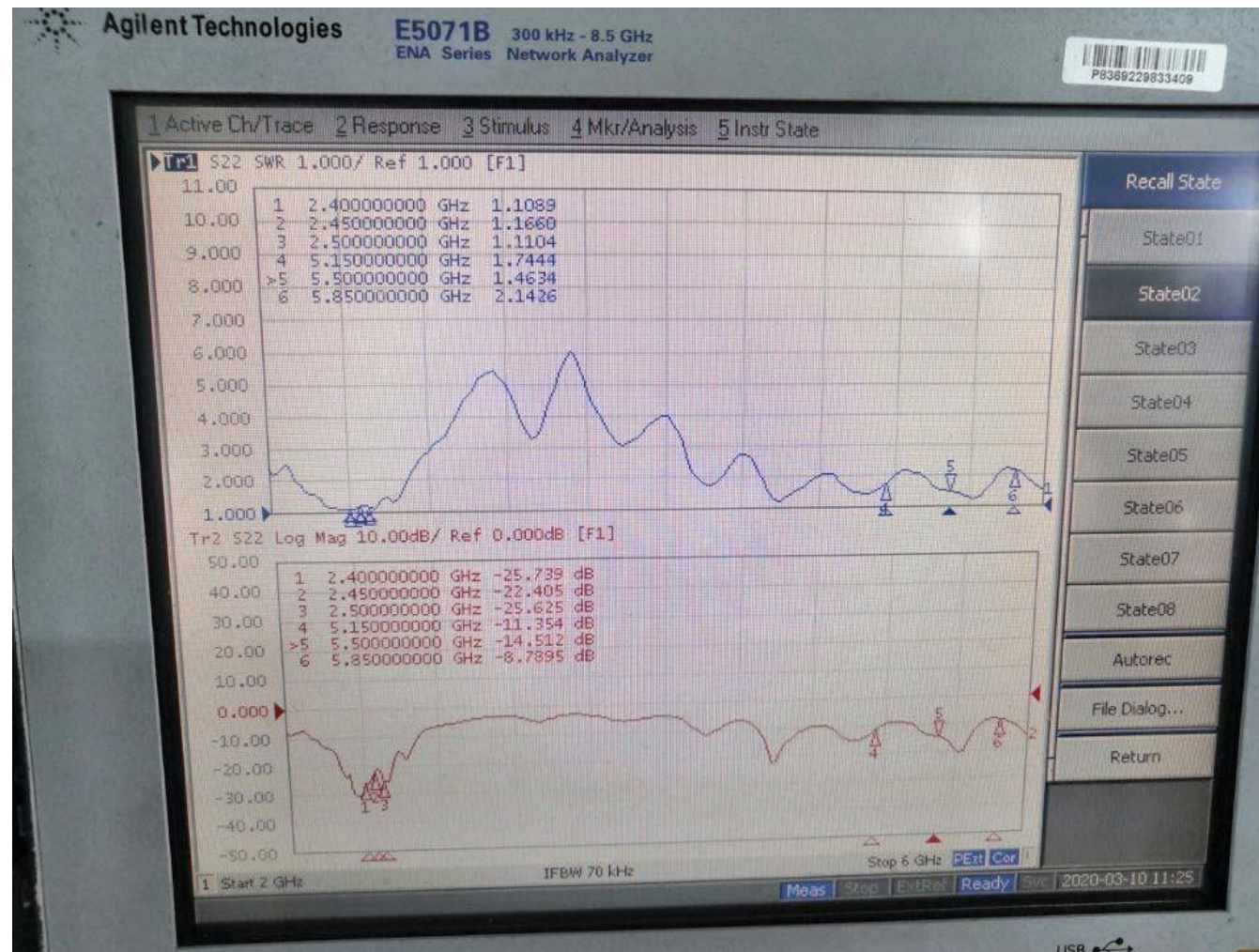
4.S11 parameter

ANT1

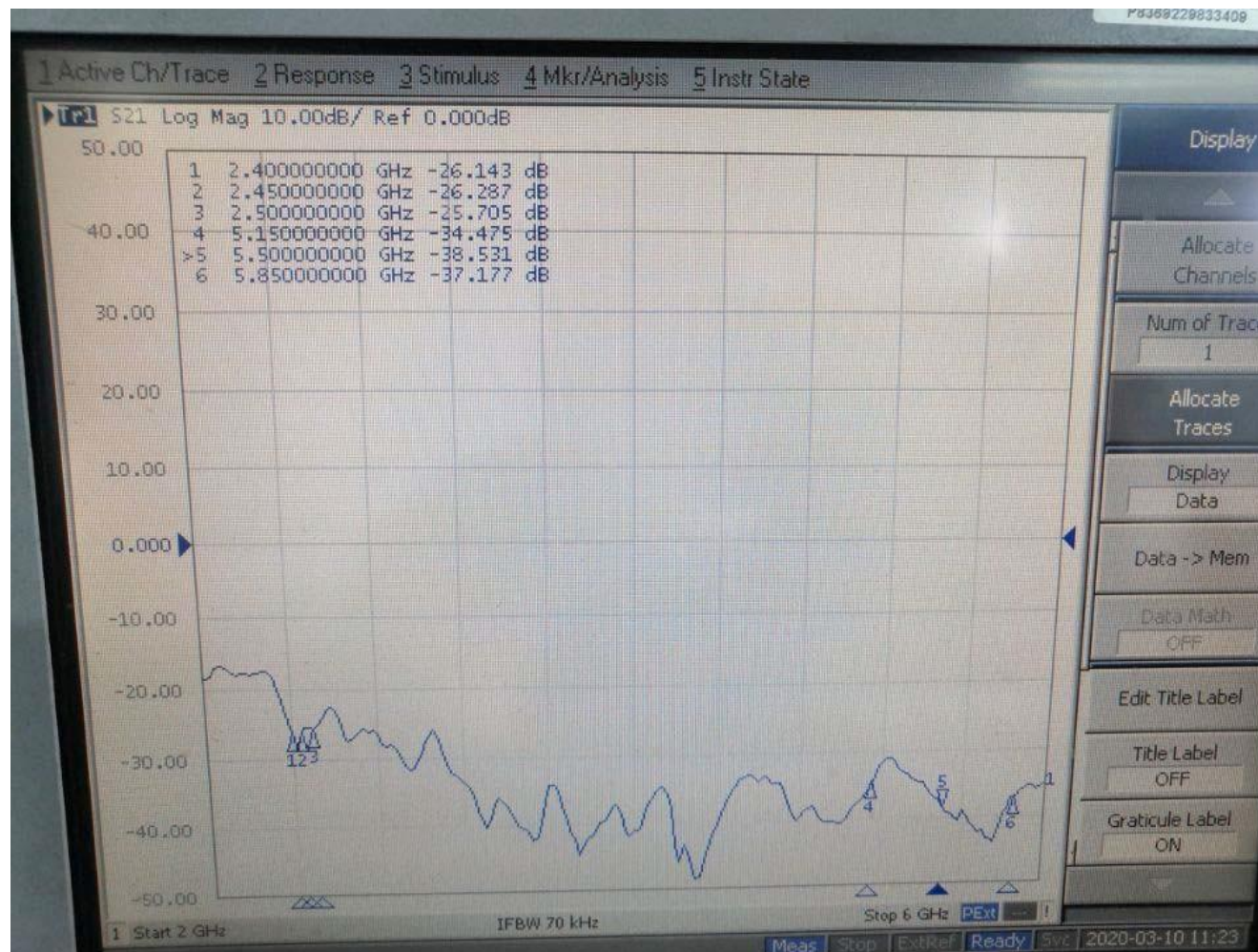


4.S11 parameter

ANT2



5.S21 Parameter (isolation degree)



6. Antenna passive test data (Antenna 1)

频率 (Mhz)	2400	2410	2420	2430	2440	2450	2460	2470	2480
效率 (%)	54.2	57.41	56.36	55.34	53.46	54.2	52.6	46.34	48.87
增益 (dBi)	1.88	1.93	1.74	1.35	1.21	1.4	1.29	0.63	0.88

频率 (Mhz)	5100	5200	5300	5400	5500	5600	5700	5800	5900	
效率 (%)	40.83	55.34	70.15	57.54	52.72	54.7	63.39	59.57	53.58	
增益 (dBi)	3.85	4.63	5.3	4.14	3.19	3.42	3.9	3.51	3.19	

6. Antenna passive test data (Antenna 2)

频率 (Mhz)	2400	2410	2420	2430	2440	2450	2460	2470	2480
增益 (dBi)	2.26	1.99	1.83	1.95	1.95	2.07	1.88	1.92	2.47
效率 (%)	59.43	63.24	65.61	63.83	63.83	62.09	64.86	64.27	56.62

频率 (Mhz)	5100	5200	5300	5400	5500	5600	5700	5800	5900	
效率 (%)	48.53	50.23	59.98	69.34	66.68	70.79	66.37	65.92	60.39	
增益 (dBi)	1.8	1.91	3.9	5.45	5.69	6.17	5.37	4.96	3.28	

Thanks !