

Dongguan SongHul Co.,Ltd.

SPECIFICATION FOR APPROVAL

Number:20201112

File No:

Version: 1.0

Revision

visitor Hut Bei Ke Video

CUSTOMER: _____

Customer Unit Number: 2300.W1201D.01

CUSTOMER NO: _____

article Name: 2.4.5.8 GHz Antenna, Length = 200 mm

PART NAME: _____

Supplier Material Number: SL186P.300040.P01

SUPPLIER NO: _____

Sample Submission Date:

Number of samples sent: Q'TY: PCS

Customer Confirmation: CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

Supplier Confirmation: Supplier Signature		
APPROVAL	CHECK	DESIGN
sunny	ZouJie	LuoYi

SH-RD-F0



Admission Letter Form

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Electrical Test Reports

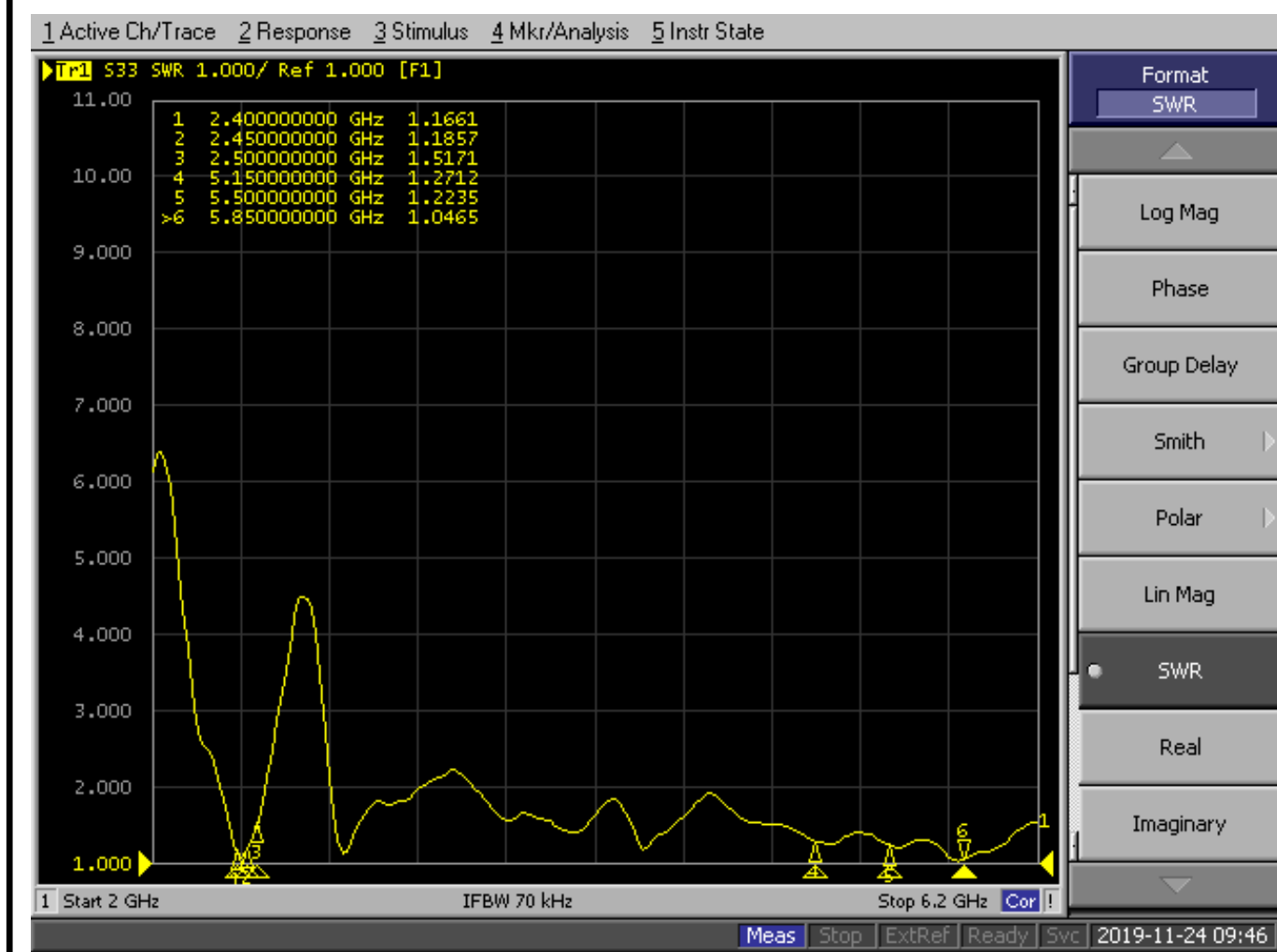
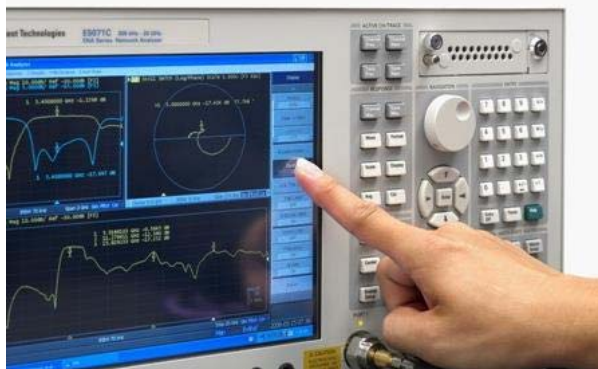
Electrical Properties	
Frequency	2.4~2.5GHz 5.15~5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	4.73dBi MAX
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	MHF Generation 1
Physical Properties	
Antenna Material	FPC
Cable Type	O.D. 1.13mm // L= 200mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	GRAY



S Parameter Test

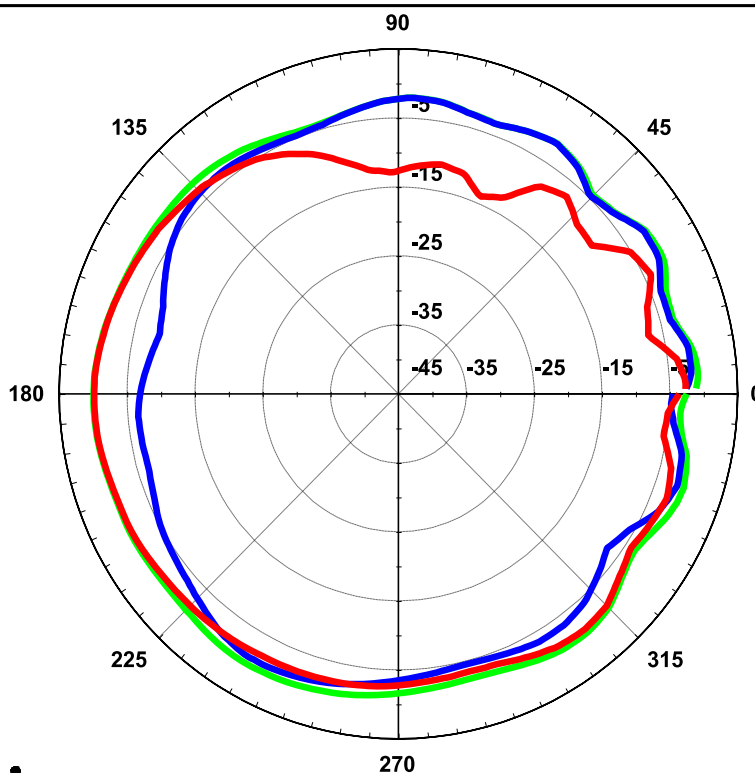
S Parameter Test

Agilent E5071C



Gain Test

*Antenna
Radiation
Pattern
VS
Gain*





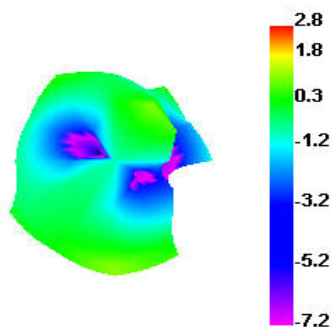
Bandwidth (MHz)	test item	pattern	Speed (Mbps)	Channel	Fre (MHz)	Test Value (dbm)	test item
20	TRP	B	11	1	2412	16.39	PR405
				6	2437	15.82	
				11	2462	16.04	
		G	6	1	2412	12.87	
				6	2437	12.06	
				11	2462	13.22	
		N	MCS7	1	2412	14.14	
				6	2437	14.79	
				11	2462	16.85	
		A	6	36	5180	13.77	
				149	5745	15.96	
				165	5825	15.73	
	TIS	B	11	1	2412	-84.3	
				6	2437	-81.3	
				11	2462	-82.61	
		G	54	1	2412	-67.71	
				6	2437	-62.48	
				11	2462	-64.37	
		N	MCS7	1	2412	-63.39	
				6	2437	-63.94	
				11	2462	-63.45	
		A	54	1	2412	-67.98	
				6	2437	-64.46	
				11	2462	-64.63	



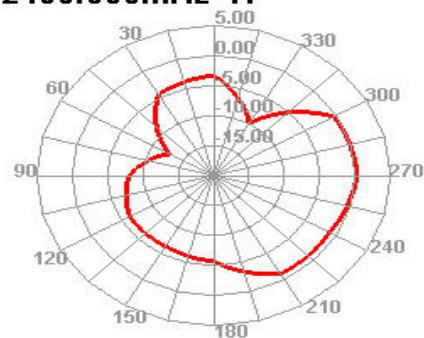
Freq (MHz)	Effi (%)	Gain (dBi)
2400	49.55	2.78
2410	48.09	2.95
2420	49.58	3.29
2430	47.6	3.33
2440	52.78	3.98
2450	54.27	4.21
2460	56.55	4.47
2470	53.23	4.14
2480	53.45	4.16
2490	50.37	4
2500	51.64	4.28

(MHz)	(%)	(dBi)
5100	44.6	2.24
5125	46.12	2.58
5150	46.75	2.75
5175	47.62	2.82
5200	45.07	2.29
5225	48.55	2.75
5250	40.48	1.84
5275	45.36	2.85
5300	41.7	2.63
5325	47.59	3.35
5350	45.58	3.2
5375	40.04	3.29
5400	48.32	4.12
5425	40.33	3.38
5450	44.44	3.27
5475	39.97	3.49
5500	47.52	4.31
5525	44.91	3.96
5550	47.11	4.91
5575	38.82	3.89
5600	43.34	4.28
5625	46.13	3.59
5650	45.32	4.73
5675	49.18	3.84
5700	50.73	4.8
5725	48.81	3.88
5750	51.03	4.63
5775	48.81	3.38
5800	45.69	3.82
5825	46.23	2.7
5850	44.8	3.81
5875	43.94	3.2
5900	43.94	3.89
5925	46.82	4.1
5950	48.76	4.31
5975	55.04	4.50

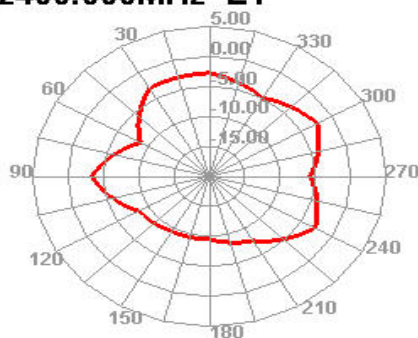
2400.000MHz



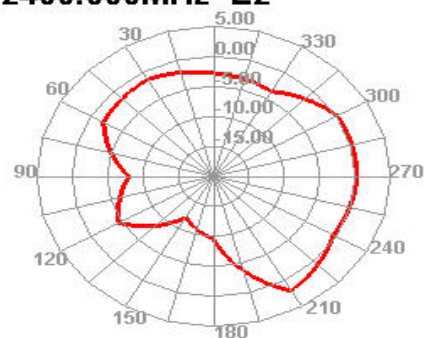
2400.000MHz H



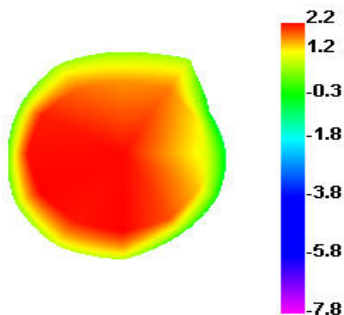
2400.000MHz E1



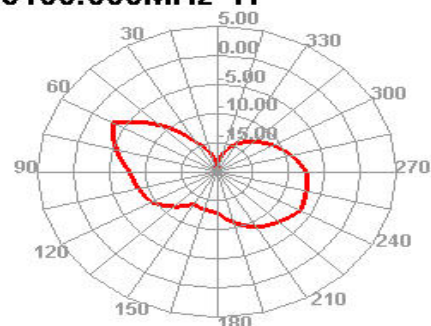
2400.000MHz E2



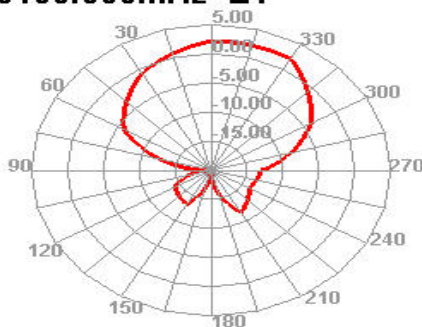
5100.000MHz



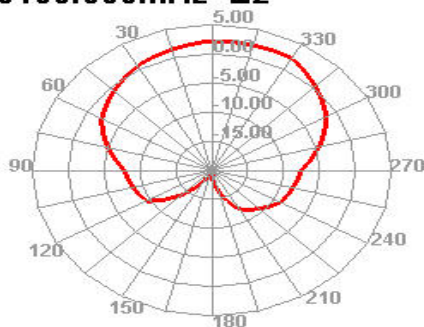
5100.000MHz H



5100.000MHz E1



5100.000MHz E2



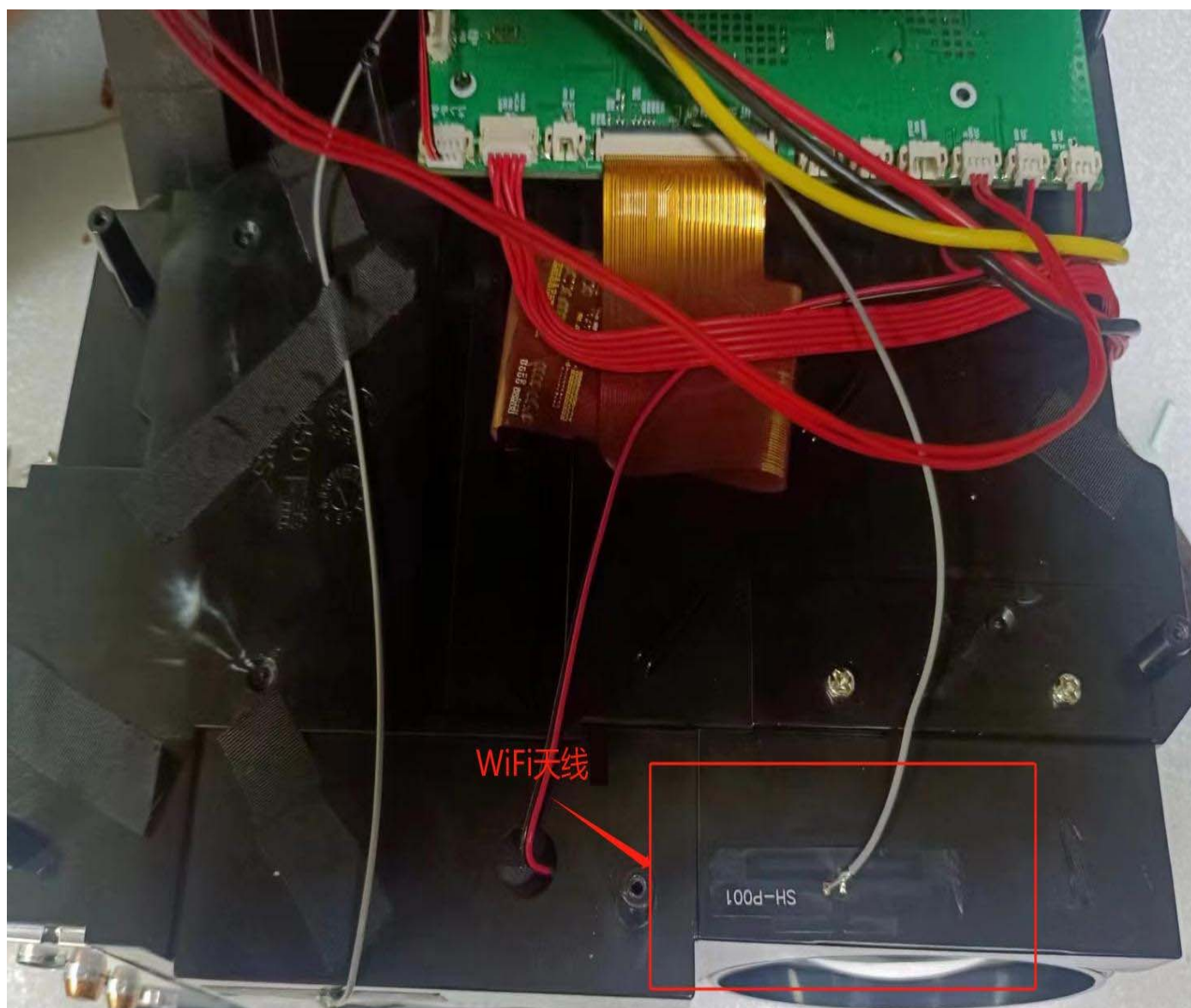


Antenna Assembly Diagram





Antenna Assembly



Antenna size

