

承 认 书

FIRST ARTICLE REPORT

Customer Name:Master Mei Electronics Co., LTD

customer model: S 4

Antenna screen printing: S4-L-V1.2 S4-R-V1.2

Day period : 2024.07.22

approval: Kang zhong zhu

customer confirmation			
quality	Research and developm ent	purchase	approval

Types: ☒sample plate ☐Initial lot ☐on a large scale

Shenzhenshi Li Tongchuang Technology Co., Ltd
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1. Test tools

integrated measuring instrument	Agilent Technologies E5071B & R&S CMW500
darkroom	Atenlab M3
test engineer	Zhuang Zhicheng
temperature	25℃
humidity	65%（RH）



2.essential information

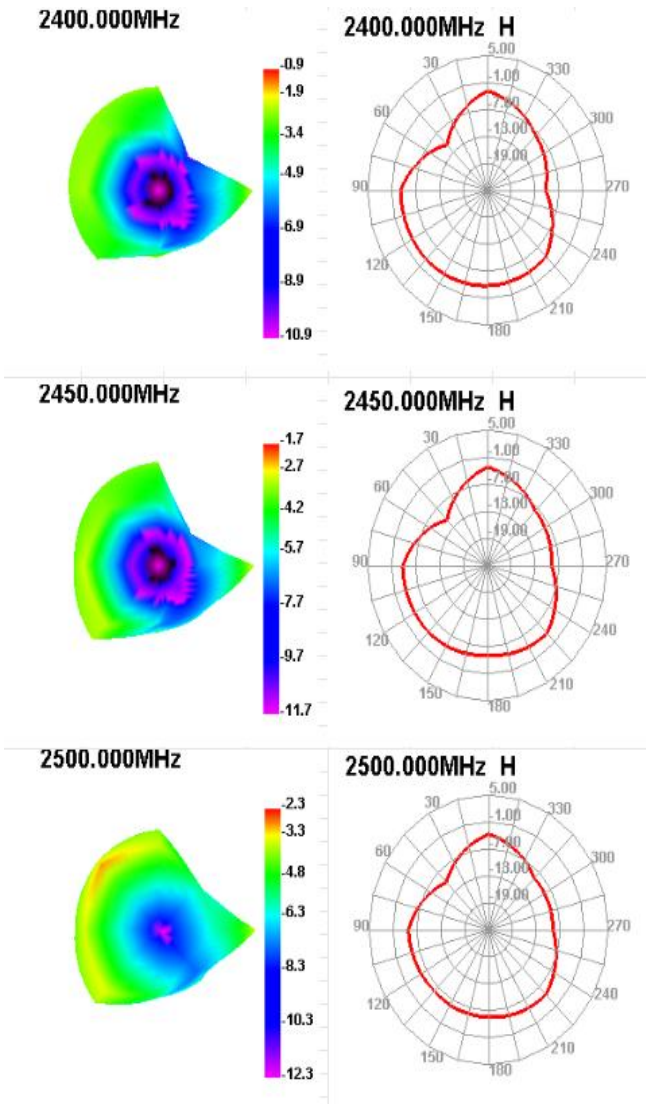
Guest name:	Master Mei Electronics Co., LTD
Machine type:	S4
Antenna band:	2400MHZ 2485MHZ
Antenna form:	FPC
Feed form:	Single feed
Number of feeders:	Main feed point + touch feed point
Main board plate number:	S4-R-V1.2 S4-L-V1.2
Max gain	-0.95dBi

3. Antenna information



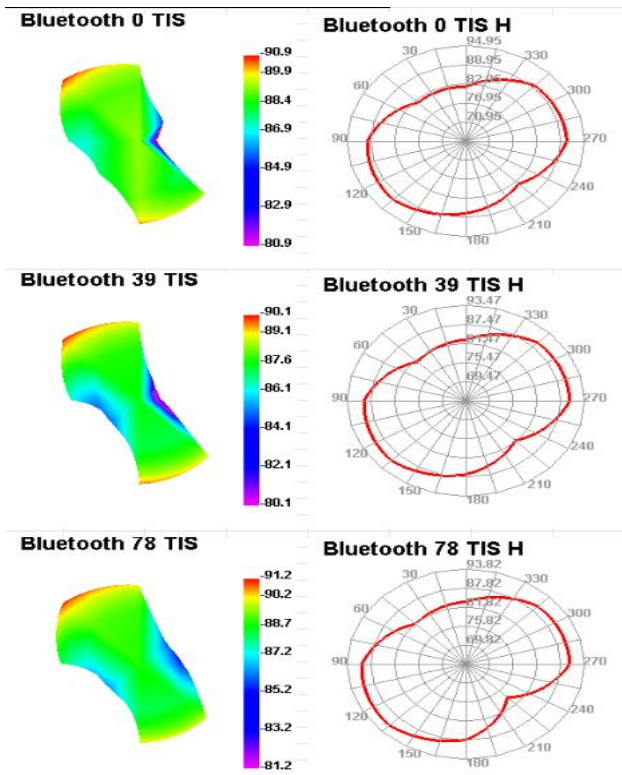
4. Gain efficiency activeOTA-TRP-TIS

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	30.55	-5.15	-0.95	-3.1
2410	29.82	-5.25	-1.07	-3.22
2420	30.37	-5.18	-1.05	-3.2
2430	27.84	-5.55	-1.57	-3.72
2440	26.89	-5.7	-1.82	-3.97
2450	28.61	-5.43	-1.71	-3.86
2460	26.62	-5.75	-2.09	-4.24
2470	25.88	-5.87	-2.23	-4.38
2480	27.5	-5.61	-2.07	-4.22
2490	26.74	-5.73	-2.28	-4.43
2500	26.98	-5.69	-2.3	-4.45



Test Result	Bluetooth TRP		
	0	39	78
Frequency (MHz)	2402	2441	2480
TRP(dBm)	1.62	3.28	3.15
NHPRP(dBm) 45	1.62	3.28	3.15
MAX(dBm)	5.13	6.91	7.26
EIRP peak	5.13	6.91	7.26
Min(dBm)	-4.52	-2.44	-5.25
Attenuation Horizontal	43.41	43.81	44.58
Attenuation Vertical	43.17	43.6	44.38

Test Result	Bluetooth TIS		
	0	39	78
Frequency (MHz)	2402	2441	2480
TIS(dBm)	-87.43	-86.43	-87.04
NHPIS(dBm) 45	-87.43	-86.43	-87.04
RSSIAve	2.48	2.96	3.22
MaxPosRSSI	5.08	5.81	5.64
MaxPosSens	-90.03	-89.28	-89.46
MAX(dBm)	5.99	6.59	7.33
EIS peak	5.99	6.59	7.33
Min(dBm)	-3.66	-2.76	-5.18



5. engineering drawing

