



Antenna Part Specification

Customer name:	Anker
Project name:	A3040
Material category:	BT antenna
Version:	V1.0
Date:	2022.06.29



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Change record			
Compile / change date	Reason for change	Changed content	Version



I: Antenna condition

Antenna type: PCB Antenna

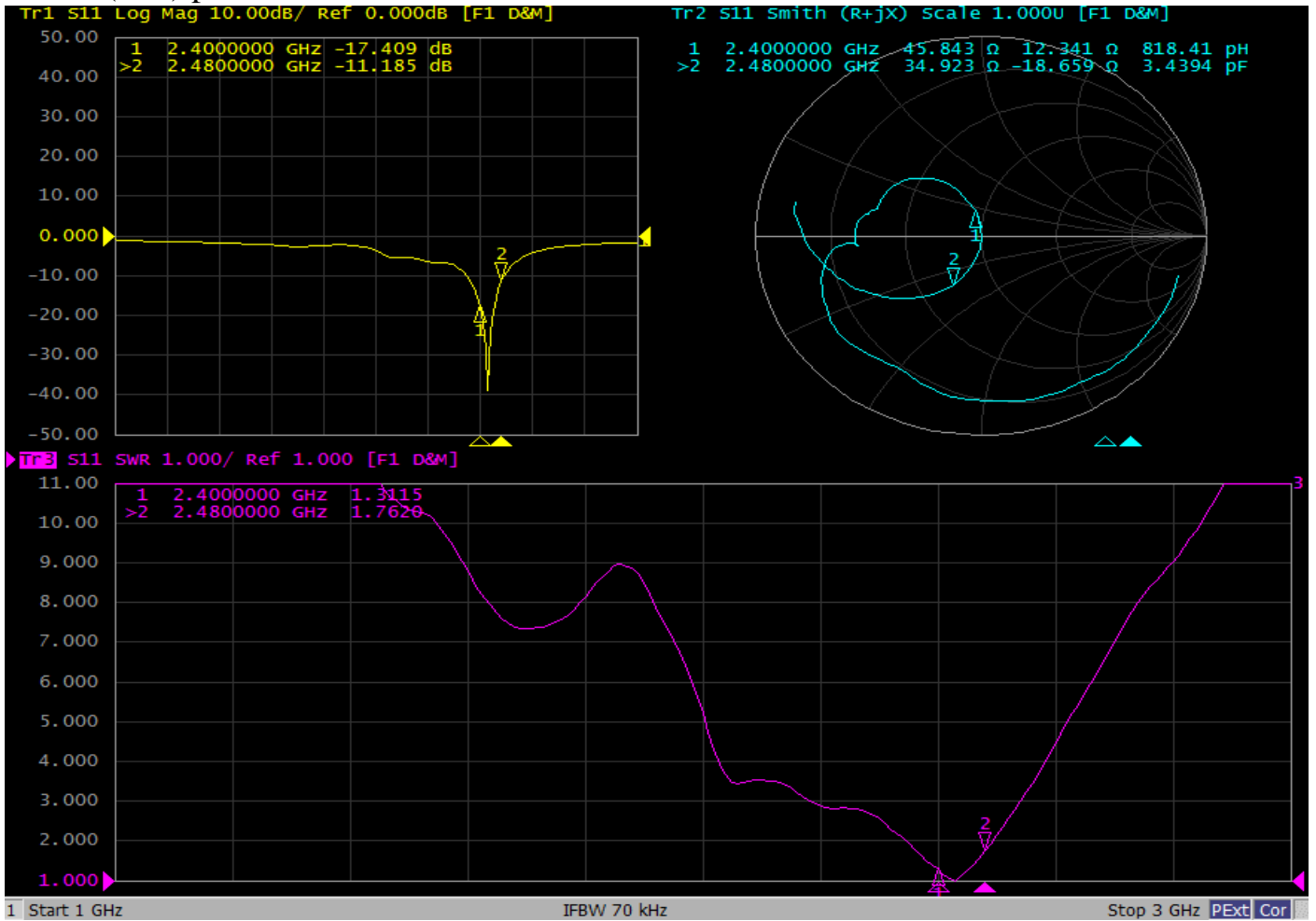
II: The report of passive data



Angilent E5071C



VSWR(S11) parameter:



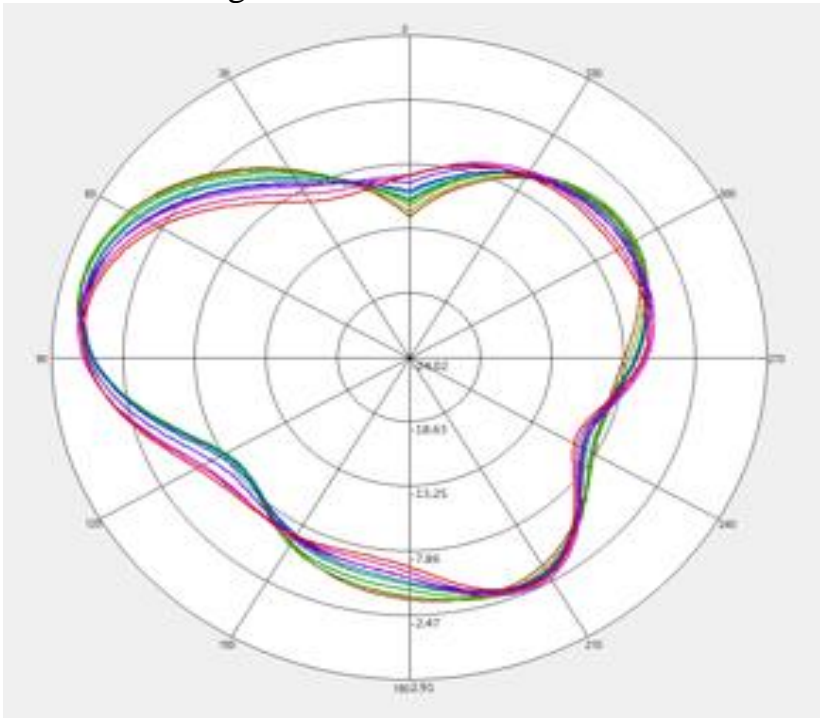
Efficiency:

2400-2480 MHz			
Frequency (MHz)	Efficiency	Efficiency (dB)	Gain (dBi)
2400	48.2%	-3.2	2.7
2410	48.7%	-3.1	2.7
2420	49.2%	-3.1	2.9
2430	47.3%	-3.3	2.6
2440	45.0%	-3.5	2.4
2450	45.0%	-3.5	2.5
2460	42.5%	-3.7	2.3
2470	43.9%	-3.6	2.3
2480	44.6%	-3.5	2.3
Average value	46.05%	-3.37	2.53

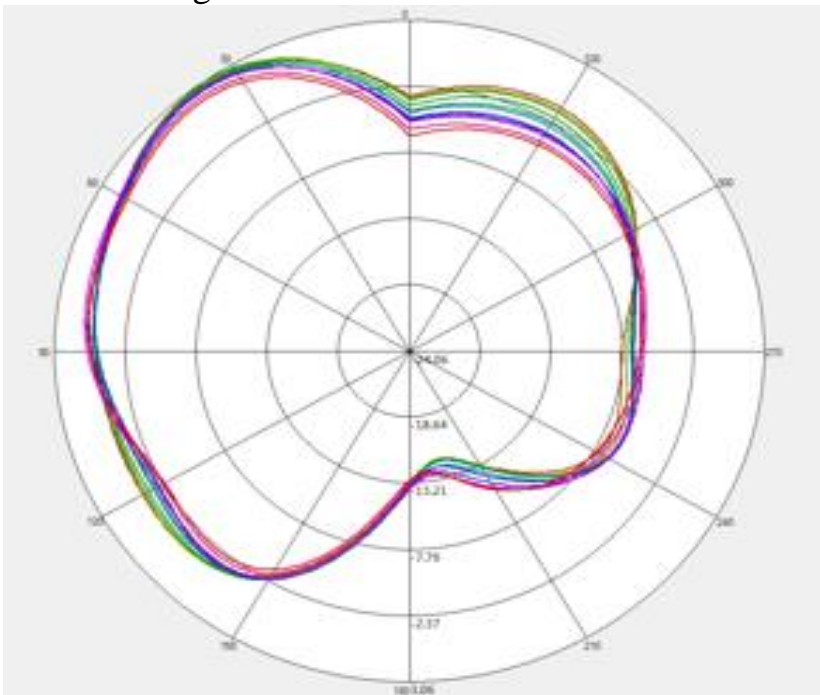


Antenna radiation pattern:

Theta=90.00deg

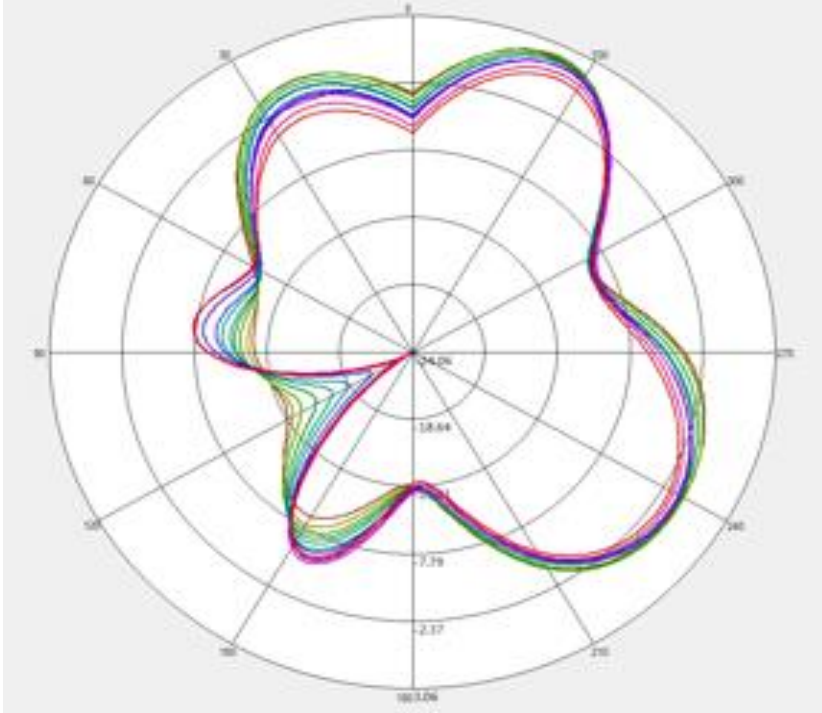


Phi=90.00deg





Phi=0.00deg



III: 3D Active test report of antenna

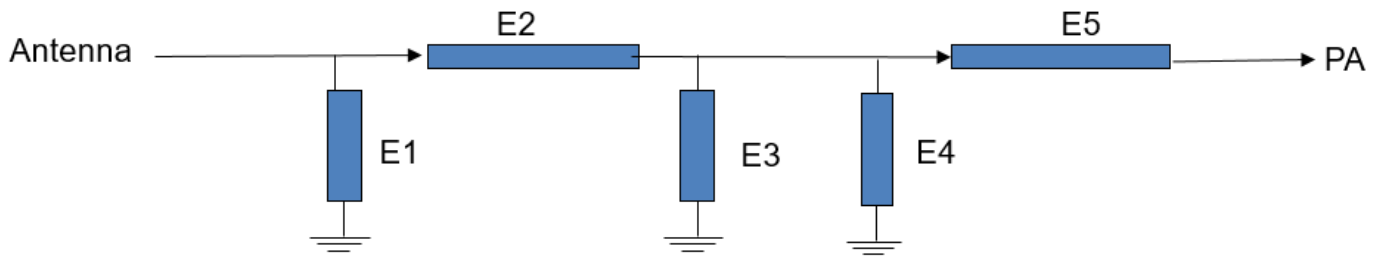
FS	OTA	Channel	TRP (dBm)	TIS (dBm)
BT		CH 0	7.8	-90.0
		CH 39	7.7	-91.8
		CH 78	7.5	-91.0



OTA Standard Chamber



IV: Matching circuit



Element	Value	Element	Value
E1(0402)	N/A	E4(0402)	N/A
E2(0402)	3.3nH	E5(0402)	0Ω
E3(0402)	0.5pF		



V: Antenna size specification

