

Togran Electronics Technology Co.,Ltd

Antenna Test Report

model: TH648D

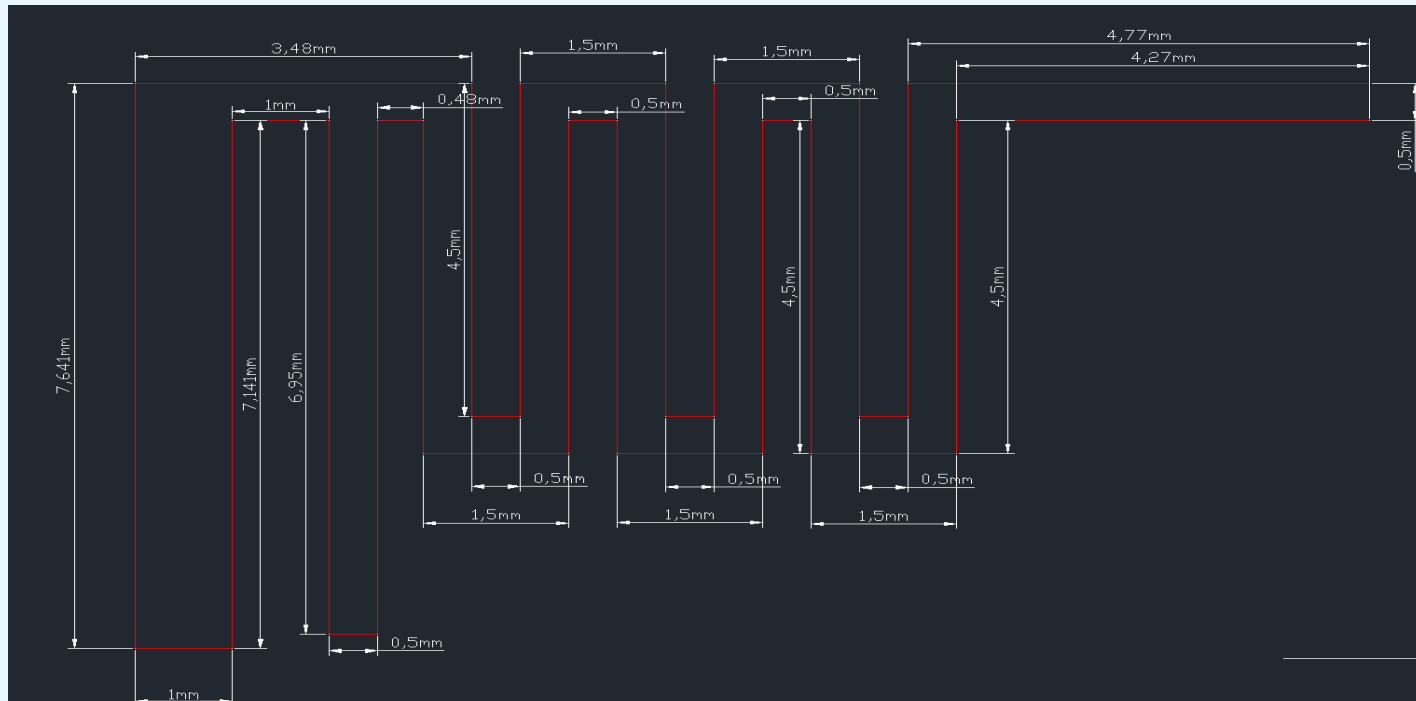
Type :PCB (onboard antenna)

Customer No. :White PCB headphones

Date: June23, 2023

Antenna size

The RX TX antenna is the same



Antenna efficiency:

Passive Test For 2.4G TX dongle						
Freq	Effi	Effi	Gain	Gain	Max	Min
(MHz)	(%)	(dB)	(dBi)	(dBd)	(dB)	(dB)
2402	55.06	-2.59	3.76	1.61	3.76	-32.84
2441	57.21	-2.43	4.23	2.08	4.23	-32.54
2480	56.69	-2.46	4.06	1.91	4.06	-30.19

Antenna efficiency:

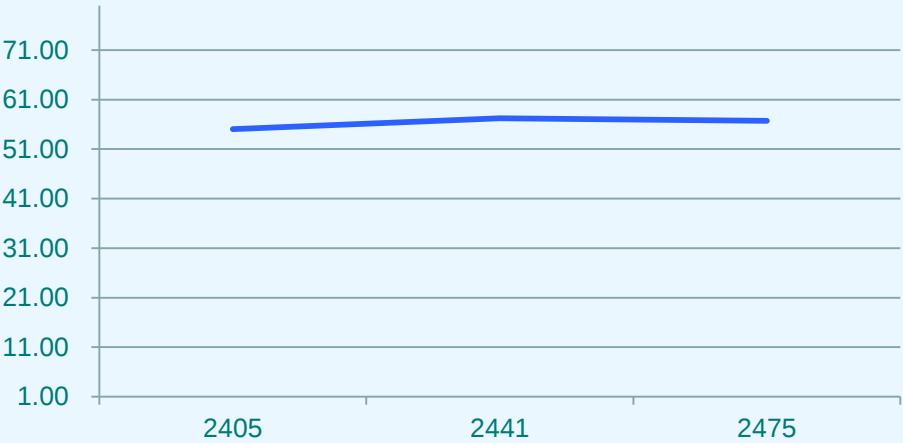
Passive Test For 2.4G RX headset						
Freq	Effi	Effi	Gain	Gain	Max	Min
(MHz)	(%)	(dB)	(dBi)	(dBd)	(dB)	(dB)
2402	44.31	-3.52	0.55	-1.61	0.55	-35.14
2441	50.51	-2.97	1.27	-0.88	1.27	-34.20
2480	54.52	-2.63	2.01	-0.14	2.01	-48.77

ANT 2.405-2.475GHz TX Antenna pattern

2405.00MHZ-2475.00MHZ Gain

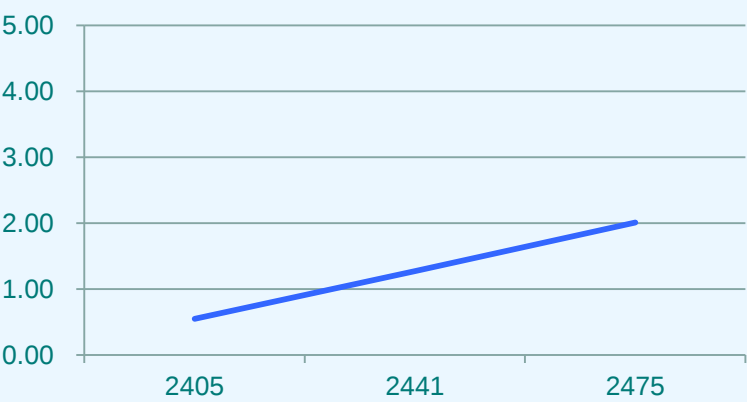


2405.00MHZ-2475.00MHZ Efficiency

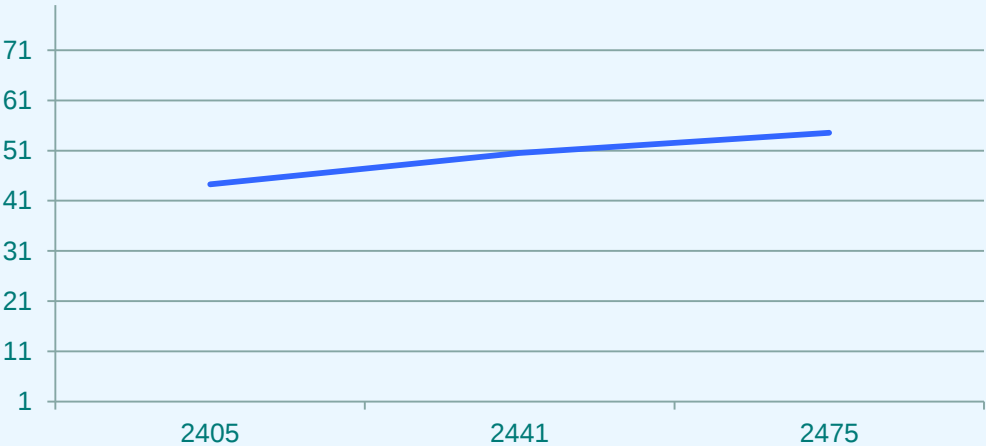


ANT 2.405-2.475GHz RX Antenna pattern

2405.00MHZ-2475.00MHZ Gain

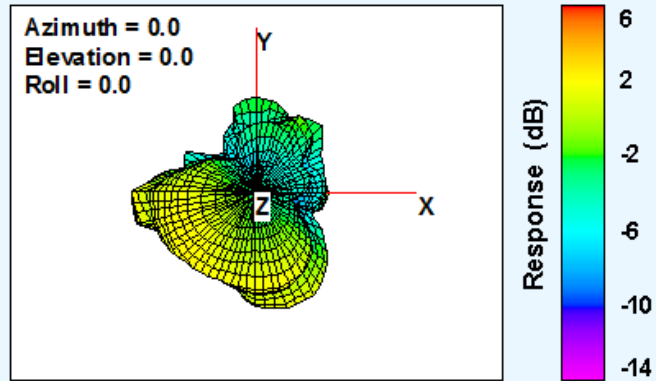


2405.00MHZ-2475.00MHZ Efficiency

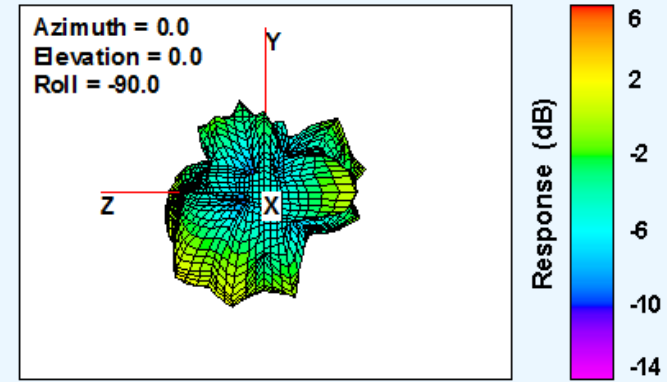


ANT 2.4-2.5GHz Antenna pattern (TX)

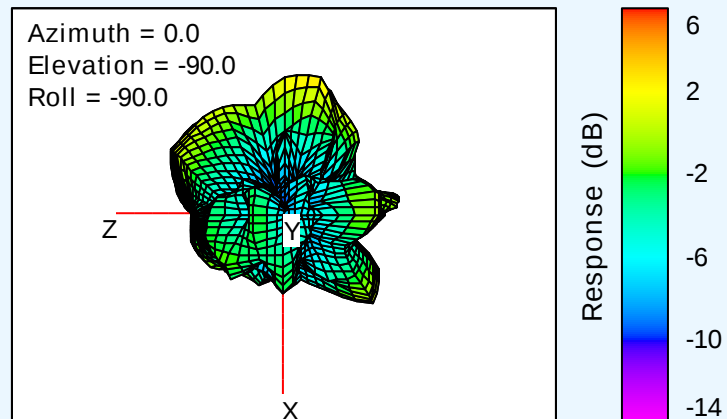
Total



Total

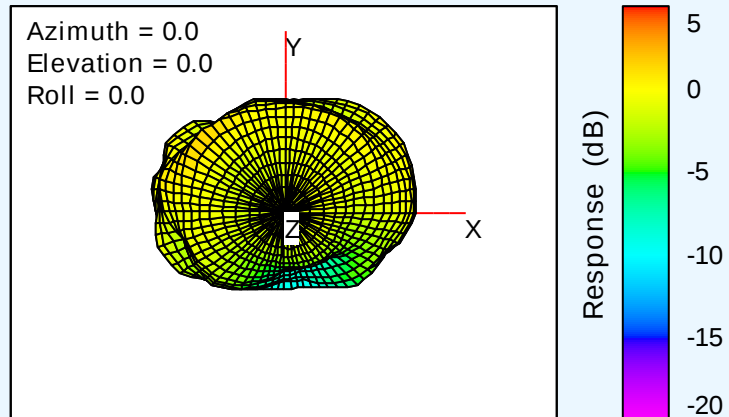


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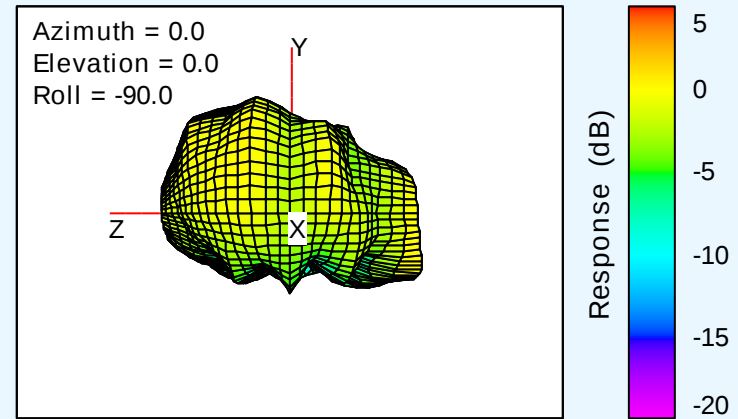


ANT 2.4-2.5GHz Antenna pattern (RX)

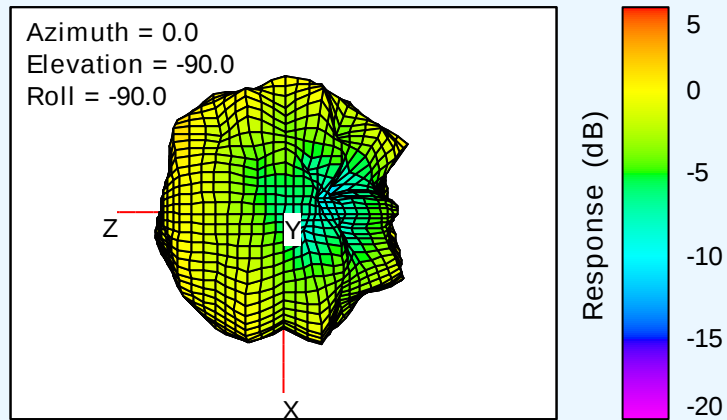
Total



Total



Total



Thanks for your valuable comment!