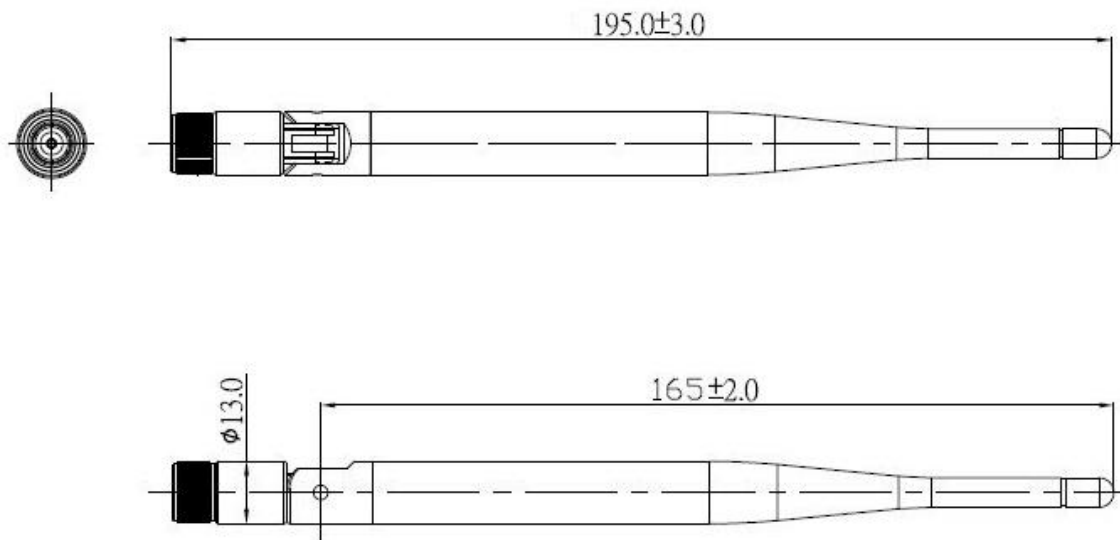


ELECTRICAL SPECIFICATION

PARAMETER		VALUE	UNIT
Frequency Range		2400 ~ 2500 5150 ~ 5850	MHz
Polarization		Linear	-
Radiation Pattern		Omni-Directional	-
Peak Gain	@ 2400 ~ 2500	4..5	dBi
	@ 5150 ~ 5850	5.0	dBi
VSWR, max	@ 2400 ~ 2500	2.0	-
	@ 5150 ~ 5850	2.0	-
Impedance		50	Ω
Connector		SMA Male	-
Material of Radiator		Cu	-
Operating Temperature Range		-40 ~ +75	$^{\circ}\text{C}$
Storage Temperature Range		-40 ~ +80	$^{\circ}\text{C}$
RoHS Compliant		YES	-

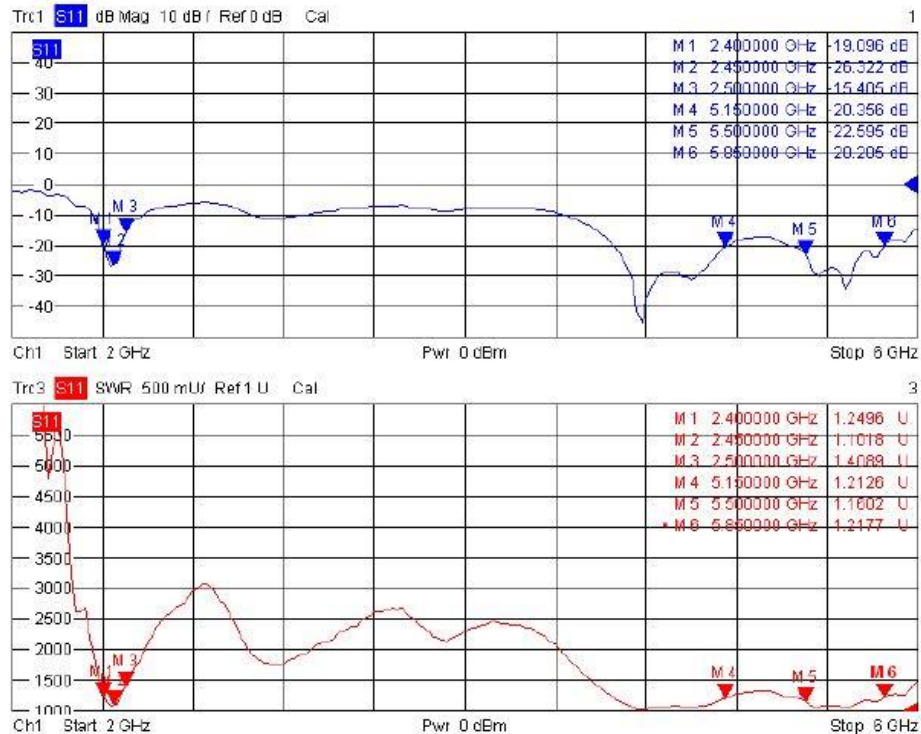
DIMENSIONS



Unit: mm

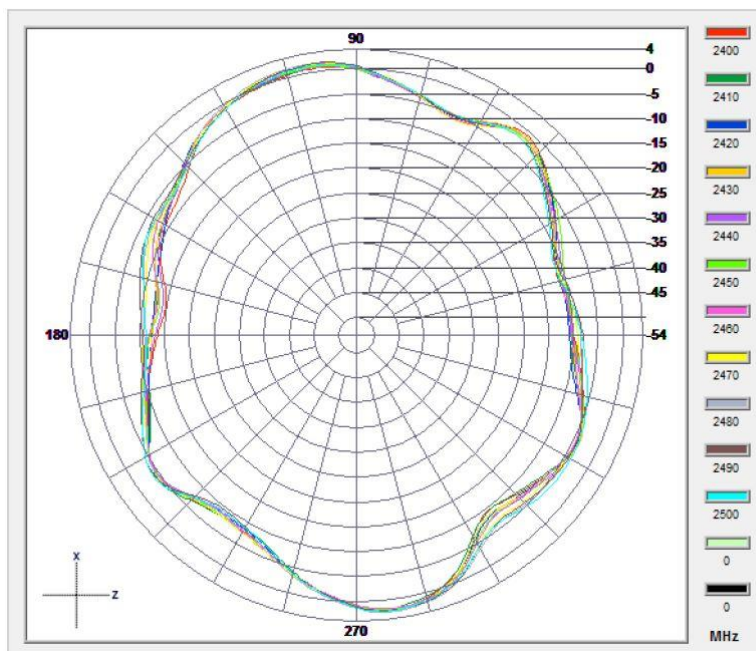
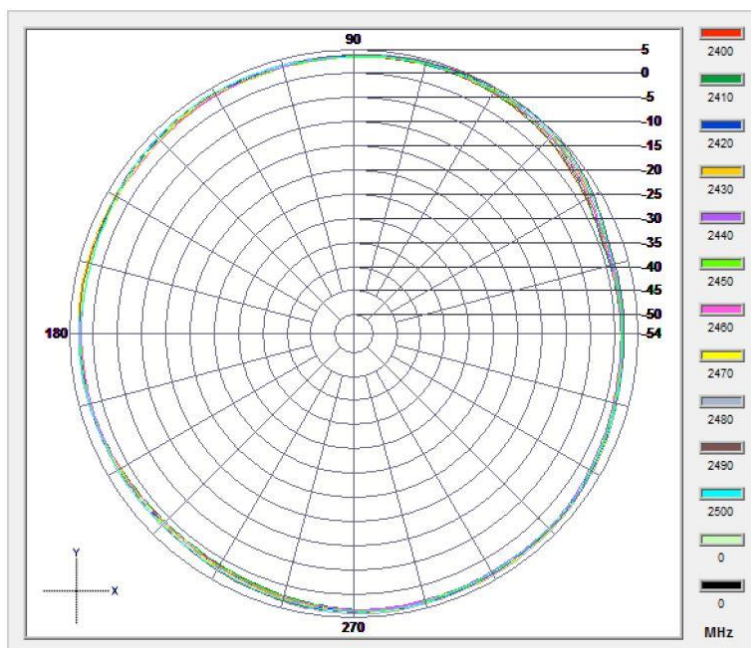
FREQUENCY CHARACTERISTICS

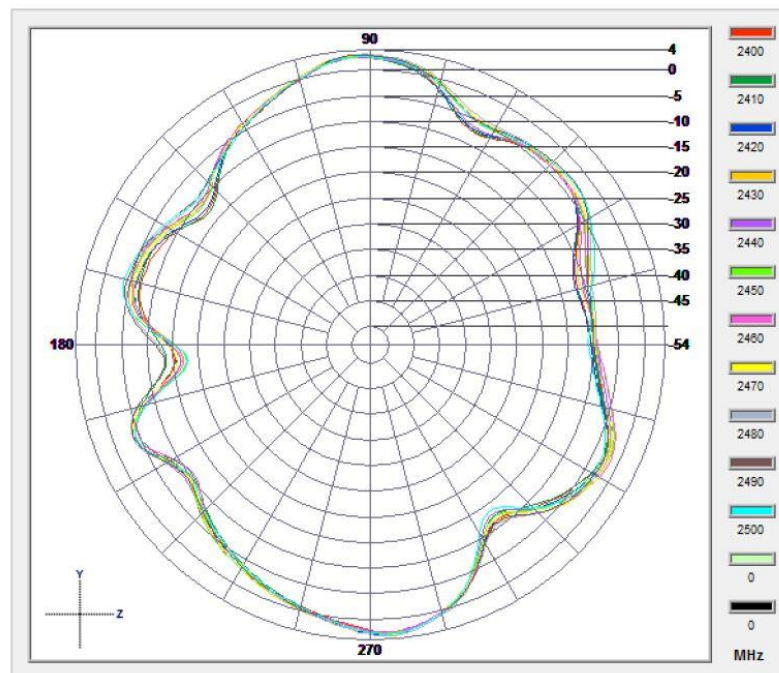
S-Parameter



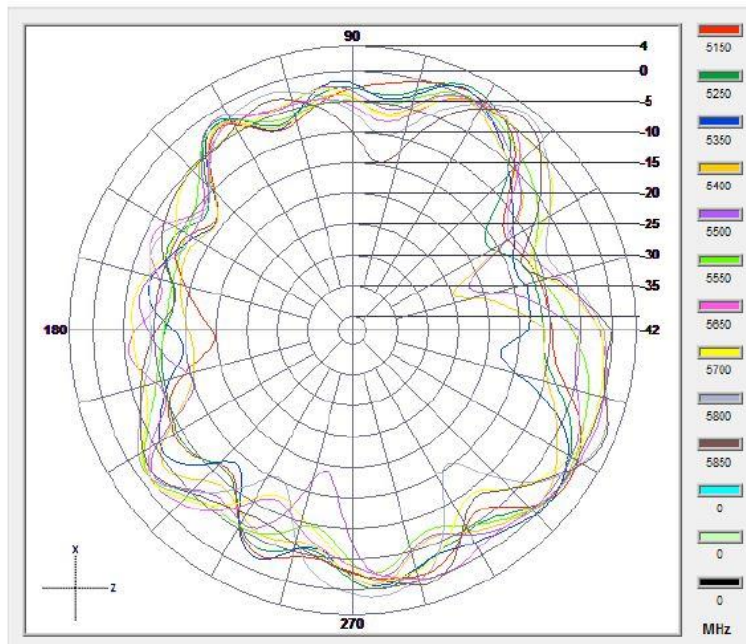
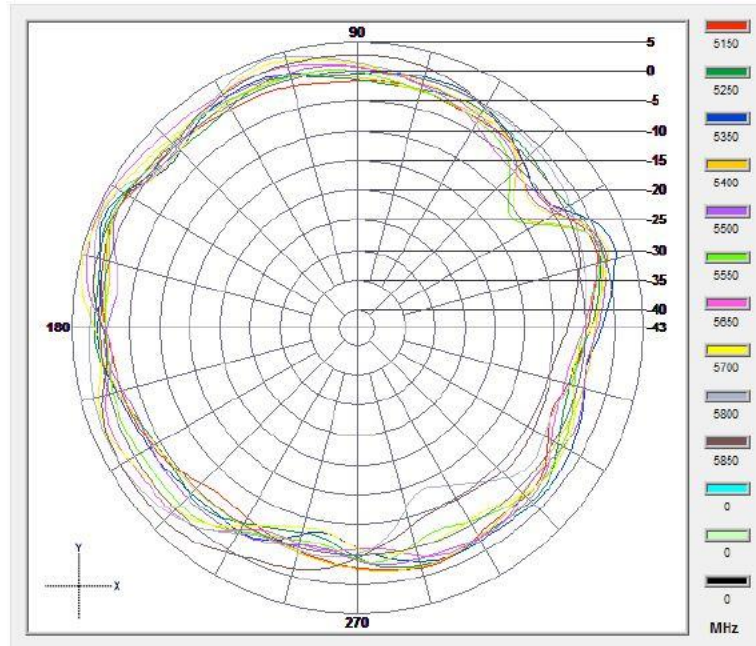
RADIATION PATTERN

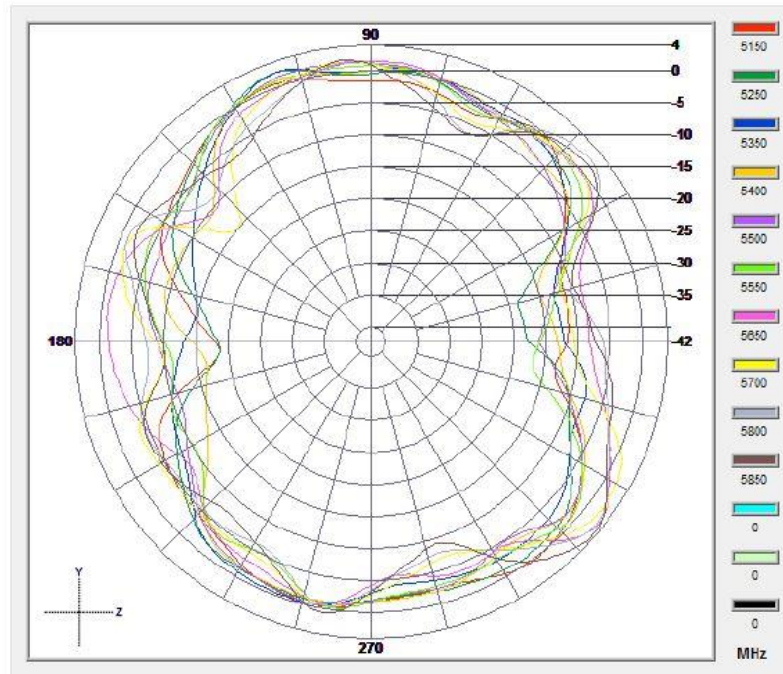
Frequency	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	3.56	3.68	4.18	3.97	3.76	3.85	4.07	4.48	4.75	4.71	4.48
Efficiency (%)	62.28	61.59	66.12	67.82	64.21	65.95	66.75	69.92	74.22	71.12	69.22
Average Gain (dB)	-2.06	-2.11	-1.8	-1.69	-1.92	-1.81	-1.76	-1.55	-1.29	-1.48	-1.6





Frequency	5150	5250	5350	5400	5500	5550	5650	5700	5800	5850
Peak Gain (dBi)	4.98	5.52	5.26	5.45	4.39	3.74	4.62	4.94	5.3	4.71
Efficiency (%)	61.06	65.35	65.8	52.8	57.6	53.67	65.27	62.98	71.49	66.3
Average Gain (dB)	-2.14	-1.85	-1.82	-2.77	-2.4	-2.7	-1.85	-2.01	-1.46	-1.78





ENVIRONMENTAL

PARAMETER	VALUE
RoHS	Compliant
REACH SVHC	Compliant
HALOGEN-FREE	Compliant



APPROVAL

RALTRON	
DRAWN BY:	AR, July 18, 2022
APPROVED BY:	CP, July 18, 2022
REVISION:	A, Initial Release

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