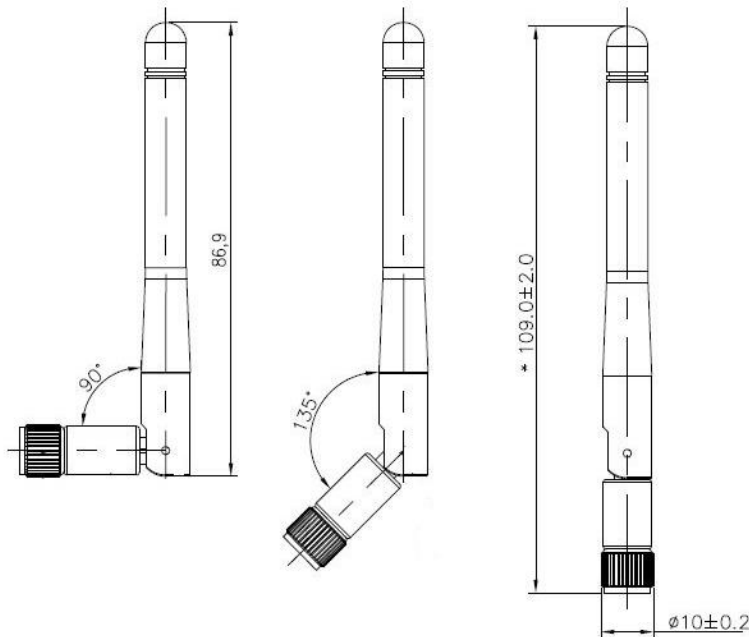


ELECTRICAL SPECIFICATION

PARAMETER		VALUE	UNIT
Frequency Range		824 ~ 960 1800 ~ 1900	MHz
Polarization		Linear	-
Radiation Pattern		Omni-Directional	-
Gain (Peak)	@ 850 ~ 960 MHz	-3.0	dBi
	@ 1800 ~ 1900 MHz	1 ~ 2	dBi
VSWR, max	@ 850 ~ 960 MHz	5.0	-
	@ 1800 ~ 1900 MHz	4.5	-
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	-

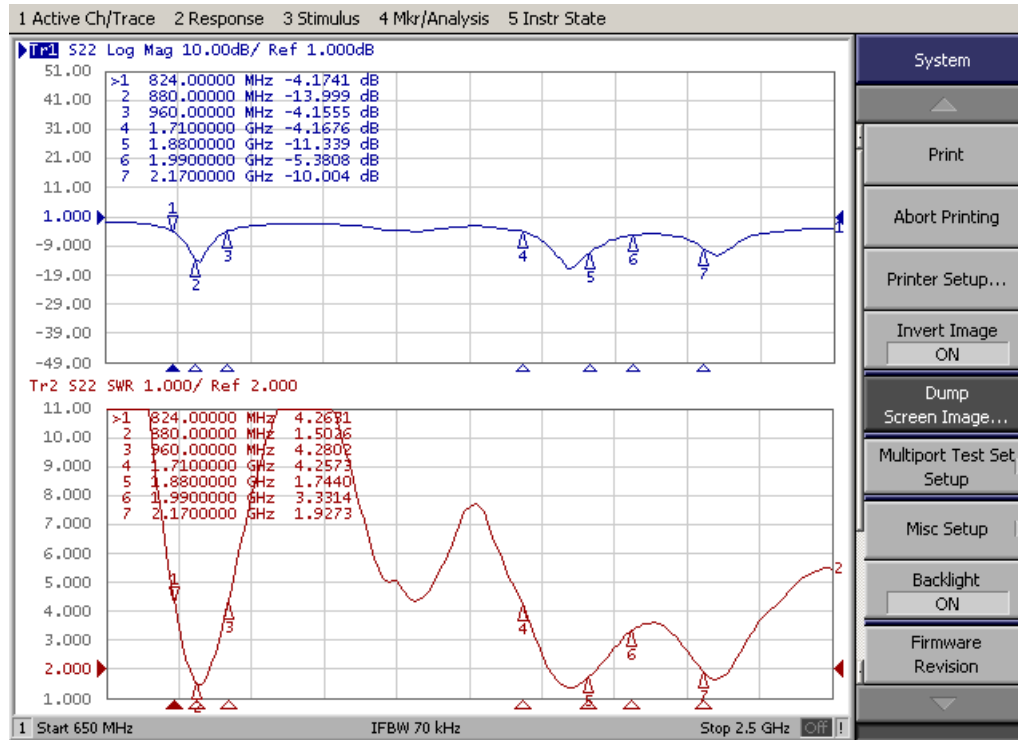


DIMENSIONS



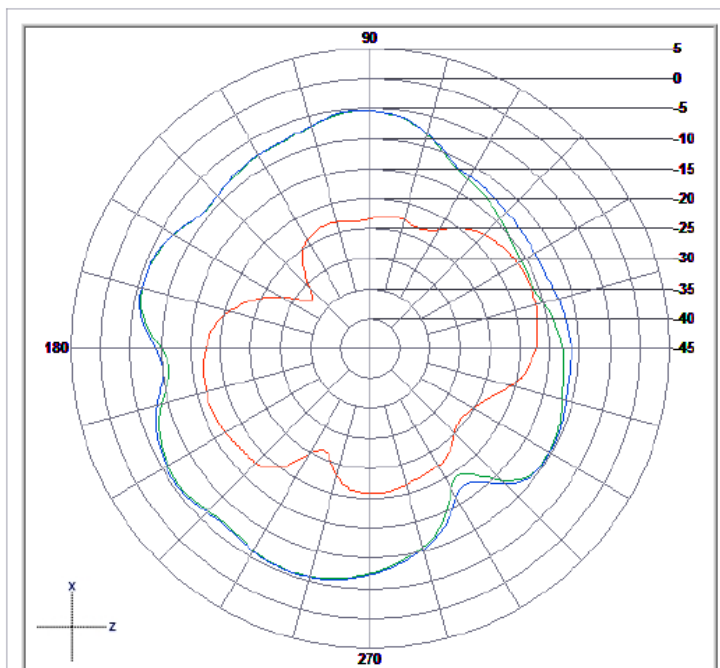
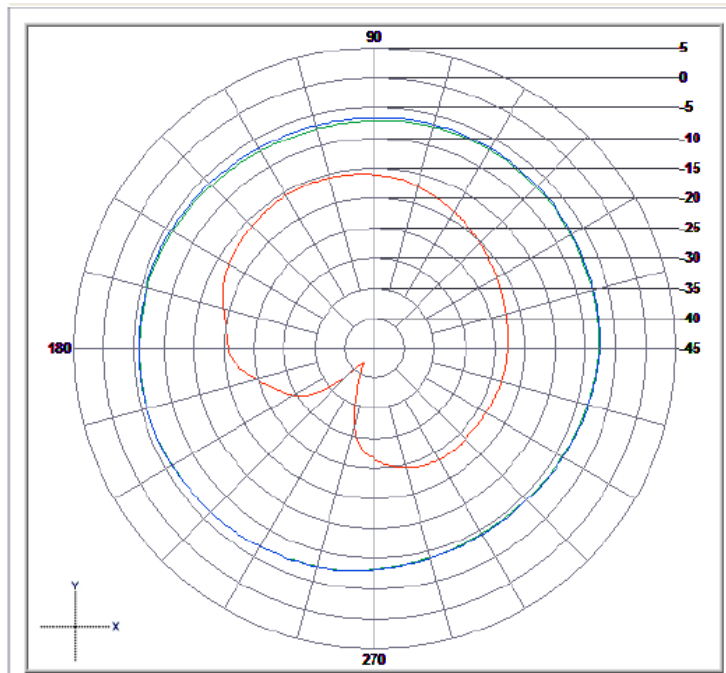
Unit: mm

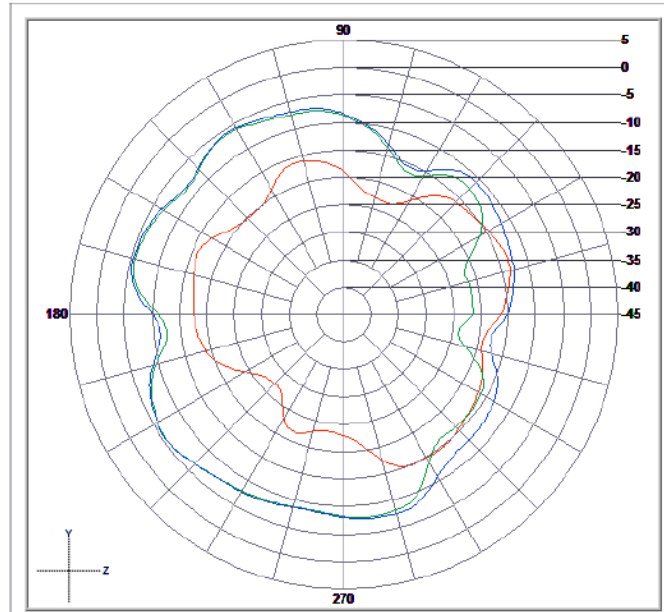
FREQUENCY CHARACTERISTICS



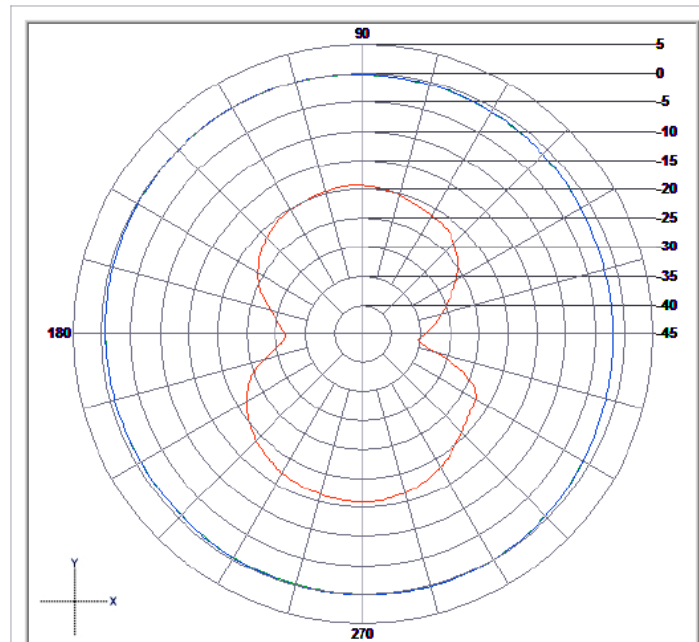
RADIATION PATTERN

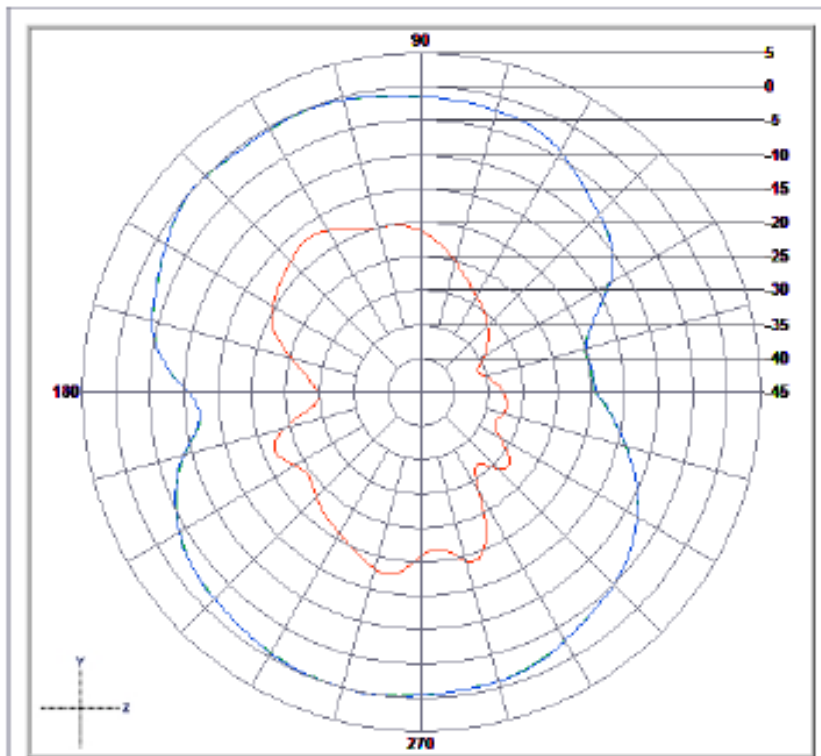
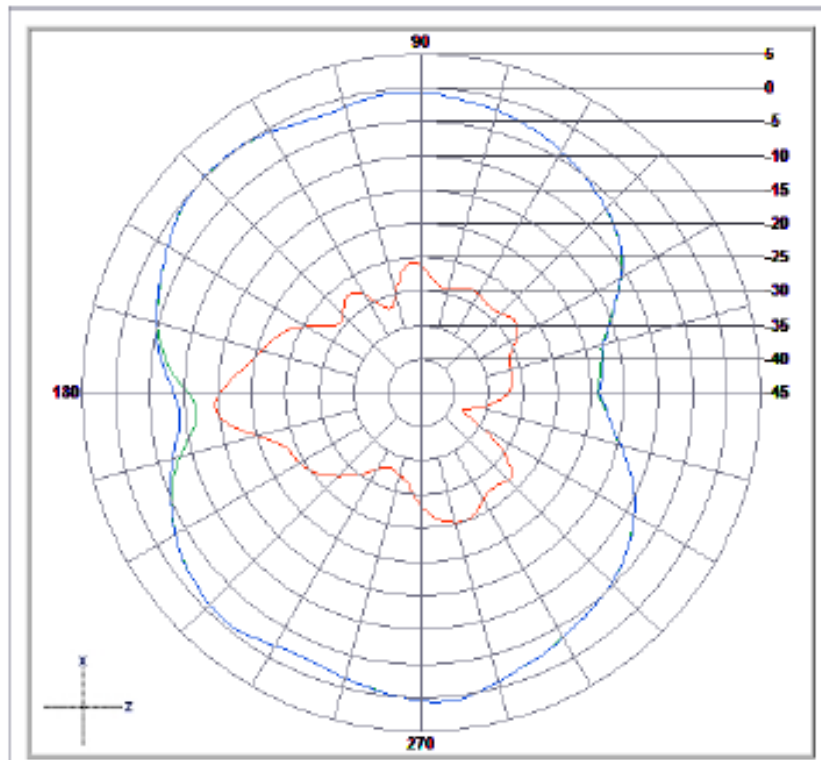
Frequency	824	835	845	855	865	875	880	895	915	935	945	960
Peak Gain (dBi)	-7.73	-6.96	-5.75	-4.67	-4.22	-4.65	-4.88	-5.06	-4.75	-4.15	-3.81	-3.39
Efficiency (%)	4.11	6.63	10.17	13.9	15.12	15.49	15.55	15.04	16.33	18.04	18.01	20.45
Average Gain (dB)	-13.87	-11.79	-9.93	-8.57	-8.21	-8.1	-8.08	-8.23	-7.87	-7.44	-7.44	-6.89





Frequency	1710	1760	1810	1860	1910	1960	2010	2060	2110	2170
Peak Gain (dBi)	-1.25	-0.2	1.24	1.32	1.21	0.97	1.97	2.6	2.23	2.21
Efficiency (%)	34.65	48.51	65.14	66.38	64.09	57.91	53.87	52.19	42.45	38.15
Average Gain (dB)	-4.6	-3.14	-1.86	-1.78	-1.93	-2.37	-2.69	-2.82	-3.72	-4.18





■ 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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