

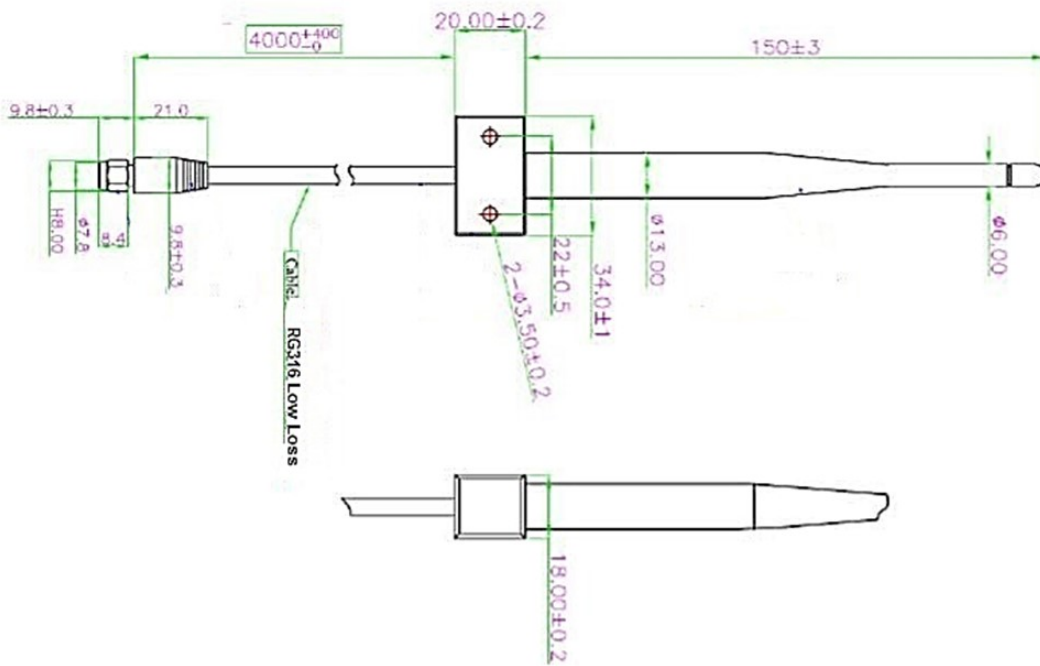
RATW-2450-1M-C



Electrical Specifications

Parameters		Value	Unit
Frequency Range		2400 ~ 2500	MHz
Nominal Impedance		50	Ω
VSWR, max		2.0	-
Return Loss		-10	dB
Gain (Peak), max		1.92	dBi
Power, max		1.0	W
Polarization		Linear Vertical	
Radiation		Omni-directional	-
Connector		RPSMA Plug	-
Cable	Type	L195, RG58 Low Loss	-
	Length	4	m
	Materials	PVC, Red Copper, PE	-
	Overmold Material	TPEE	-
Mounting SR		PVC	-
IP Rating		IP67	-

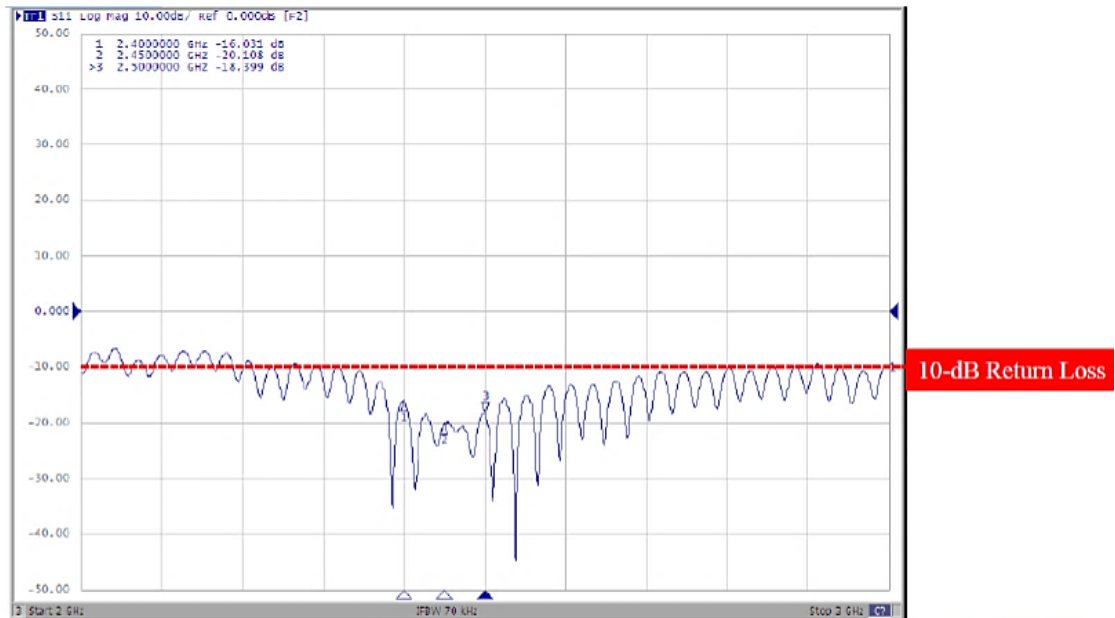
Dimensions



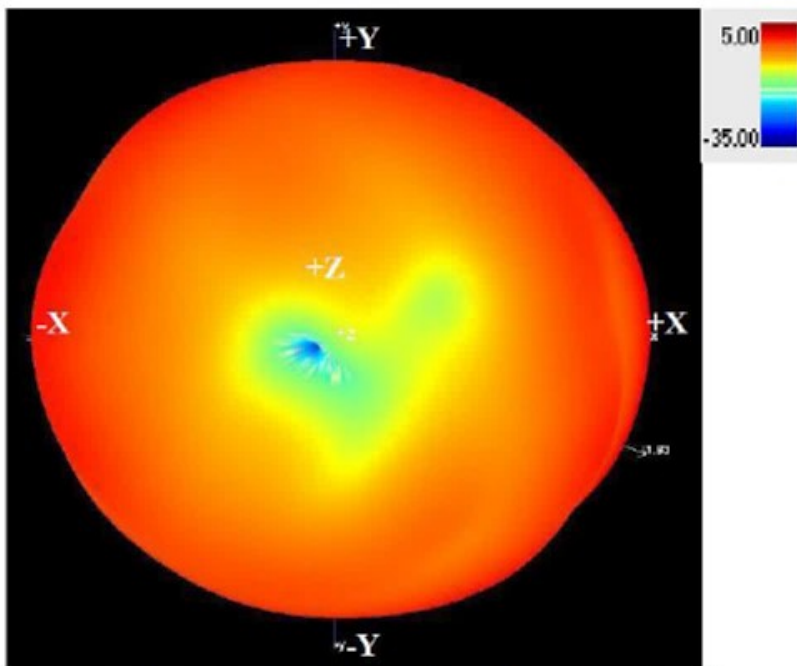
Unit: mm

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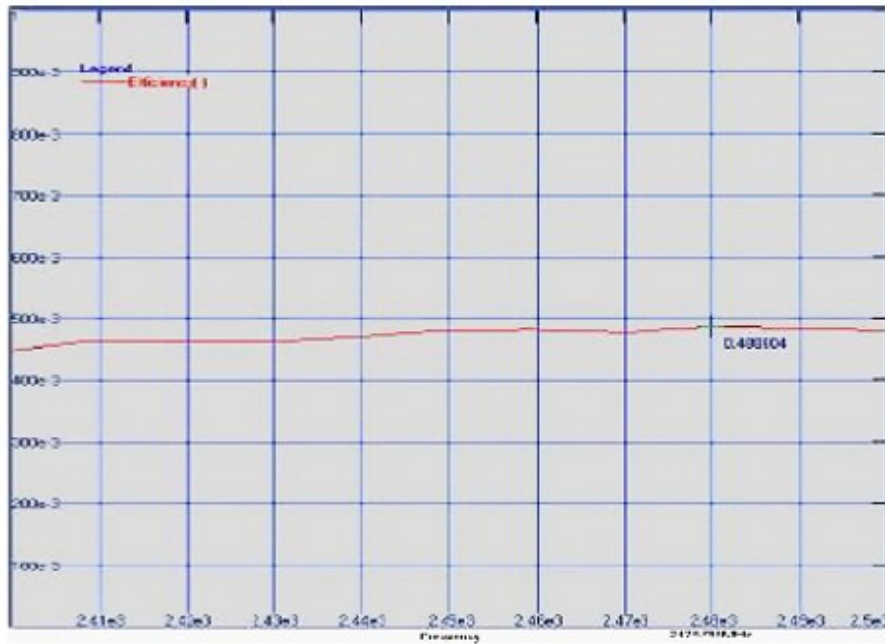
Frequency Characteristics



Efficiency and Peak Gain



RATW-2450-1M-C



Maximum Efficiency at 2479 MHz: 48.86 %

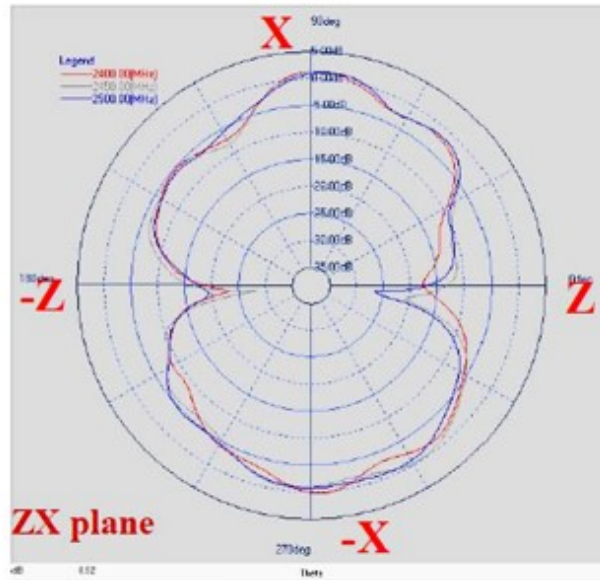


Maximum Peak Gain at 2450 MHz: 1.92 dBd

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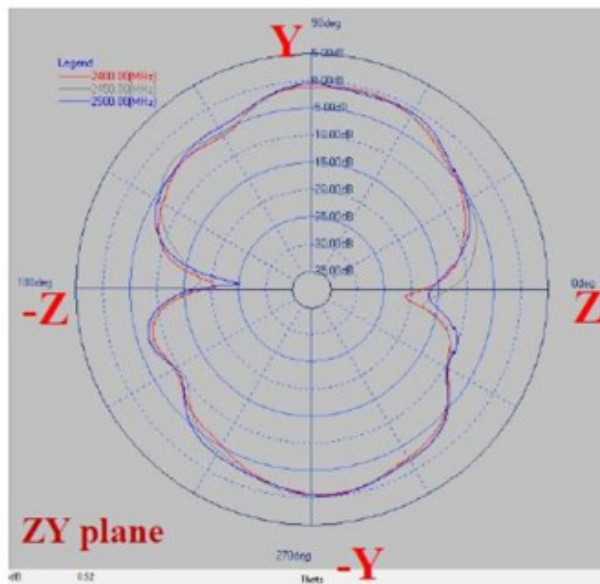
Radiation Pattern (2400 ~ 2500 MHz)

Phi = 0.00°



Gain (dB)

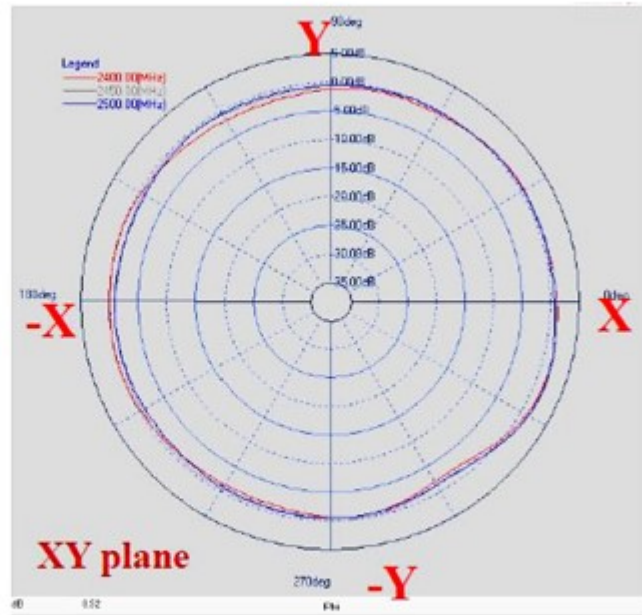
Phi = 90.00°



Gain (dB)

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Theta = 90.00°



Gain (dB)

	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
2400	1.16	-4.22	-0.56	-4.56	1.58	-0.40
2450	1.23	-3.85	-0.21	-4.14	1.89	-0.21
2500	1.02	-3.99	-0.41	-4.12	1.74	-0.37

• APPROVAL

DRAWN BY	AR, August 26, 2019
APPROVED BY	CP, August 26, 2019
REVISION	A, Initial Release