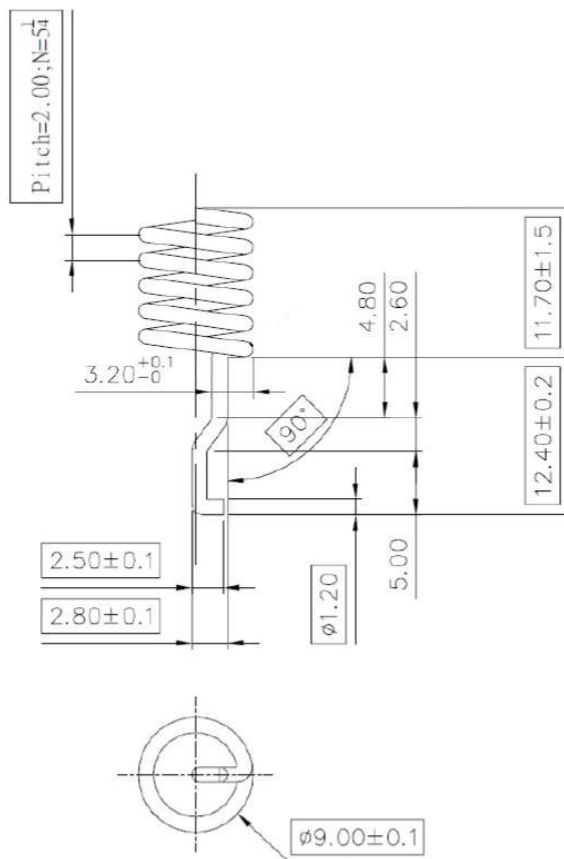


#### ELECTRICAL SPECIFICATION

PARAMETERS	VALUE	UNIT
Center Frequency	915	MHz
Return Loss, max	-10	dB
VSWR, max	2.0	-
Peak Gain	-0.73	dBi
Polarization	Linear Vertical	-
Radiation	Directional	-
Impedance	50	$\Omega$
Antenna Material	Brass $\phi$ 1.2	-
Operating Temperature Range	-20 ~ +65	$^{\circ}\text{C}$

#### DIMENSIONS

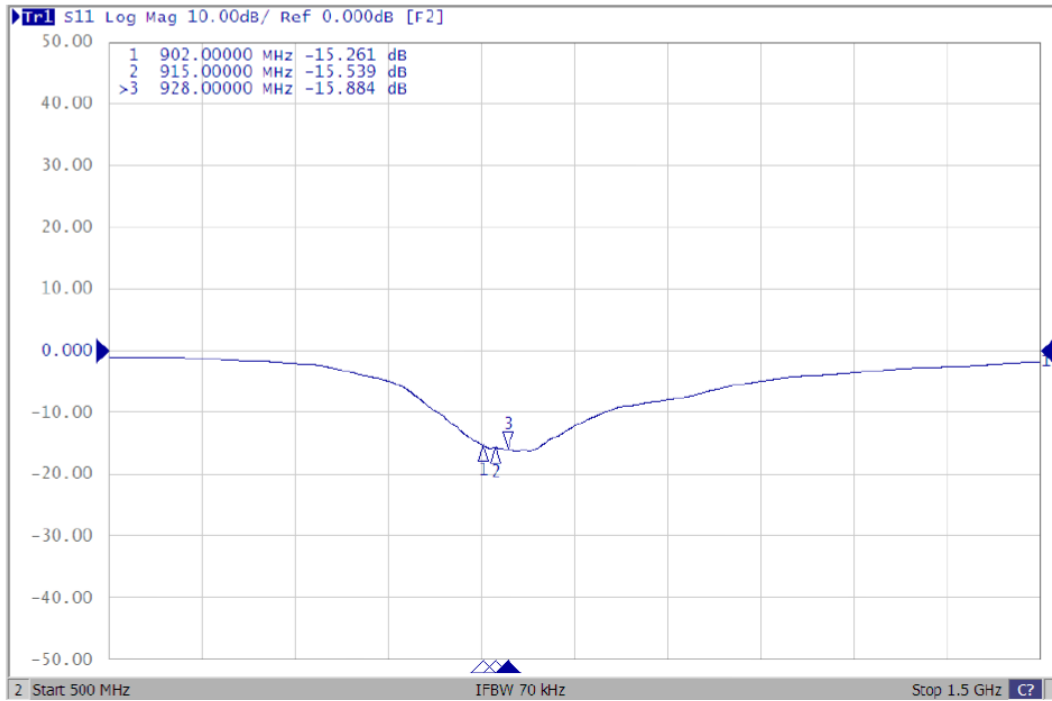


Unit: mm

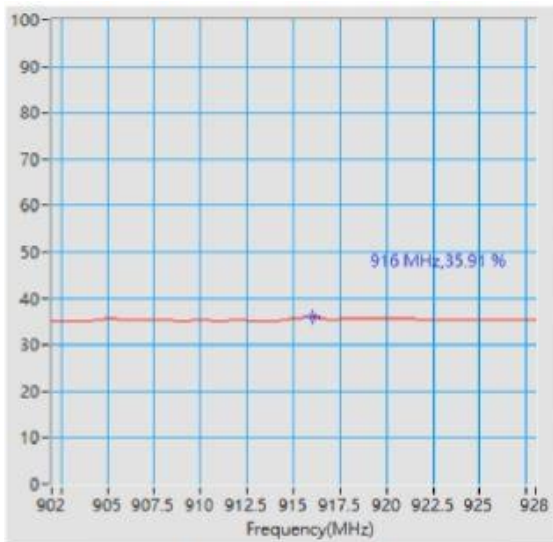
#### FREQUENCY CHARACTERISTICS

##### COIL

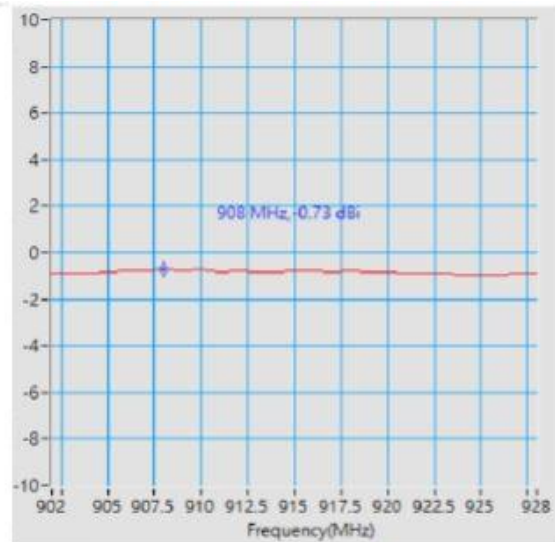
##### Return Loss



#### ANTENNA EFFICIENCY AND PEAK GAIN



Maximum Efficiency at 916MHz : 35.91%



Maximum Peak Gain at 908MHz : -0.73dBi

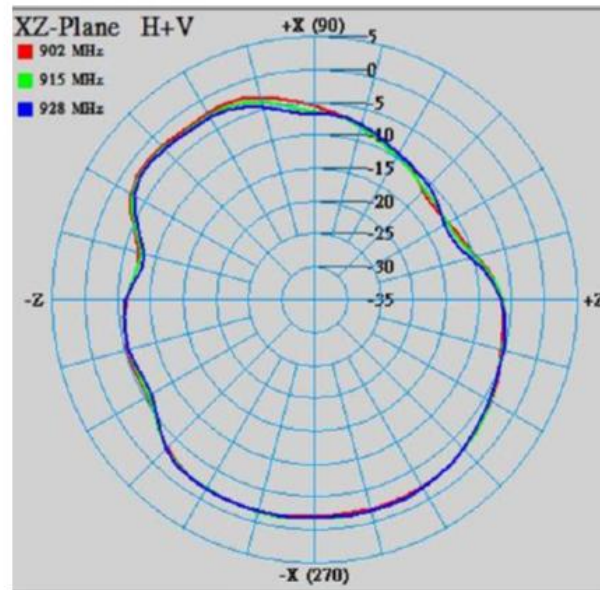
#### 2D RADIATION PATTERN

COIL

X-Z Plane

Phi=0.00deg

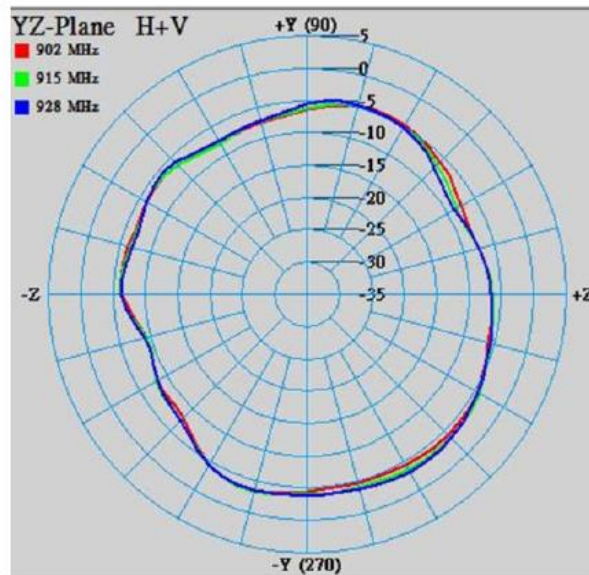
Gain . dB



Y-Z Plane

Phi=90.00deg

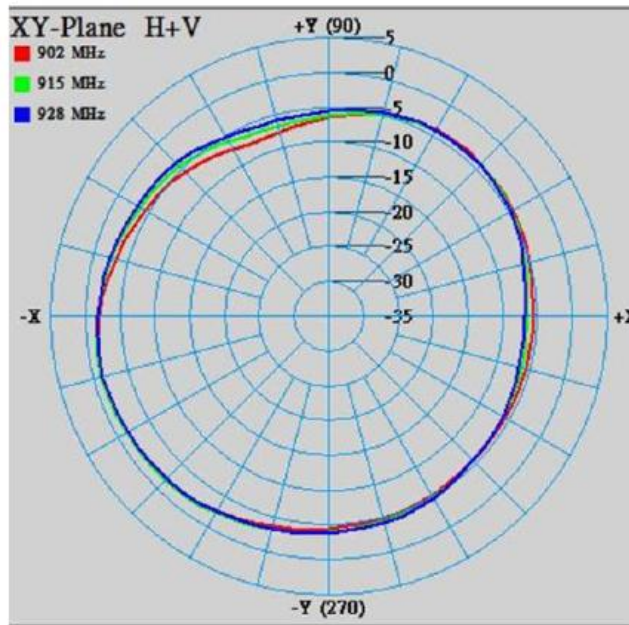
Gain . dB



X-Y Plane

Theta=90.00deg

Gain . dB



Frequency [MHz]	ZX plane		ZY plane		XY plane	
	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
902	-1.77	-4.24	-3.45	-5.92	-1.41	-4.23
915	-1.55	-4.30	-3.43	-5.75	-1.19	-4.00
928	-1.67	-4.44	-3.24	-5.69	-1.42	-3.96

#### ■ ENVIRONMENTAL

PARAMETER	VALUE
RoHS	Compliant
REACH SVHC	Compliant
HALOGEN-FREE	Compliant



#### ■ APPROVAL

RALTRON	
DRAWN BY:	AR, October 13, 2023
APPROVED BY:	CP, October 13, 2023
REVISION:	A, Initial Release

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