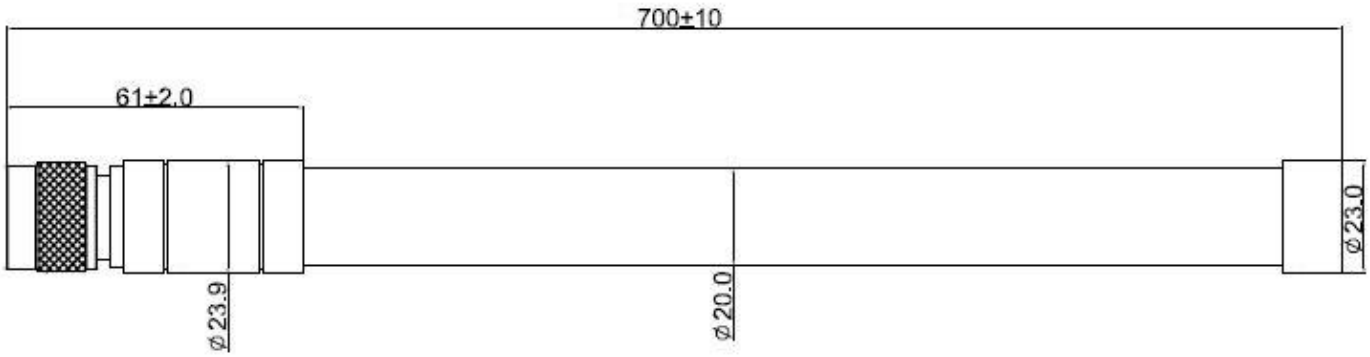
LTE ANTENNA

RST-MBB1-700023-17M-GE-001

ELECTRICAL SPECIFICATION

PARAMETER		VALUE		UNIT
Frequency Range		700 ~ 960	1710 ~ 2700	MHz
Polarization		Linear		-
Radiation Pattern		Omni-Directional		-
Peak Gain		6 ~ 8		dBi
VSWR, max	@ 700 ~ 960 MHz	4.5		-
	@ 1710 MHz	3.5		-
	@ 2170 ~ 2700 MHz	3.0		-
Impedance		50		Ω
Connector		N Male		-
Material of Radiator		Cu		-
Operating Temperature Range		-40 ~ +70		˚C
Storage Temperature Range		-40 ~ +80		˚C
RoHS Compliant		YES		-

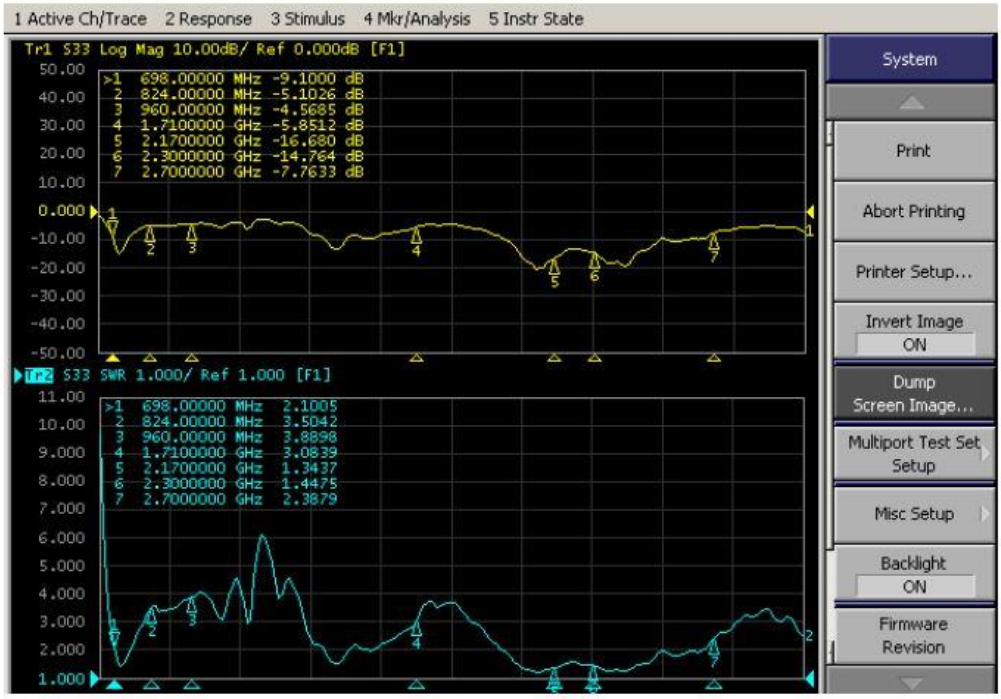
DIMENSIONS



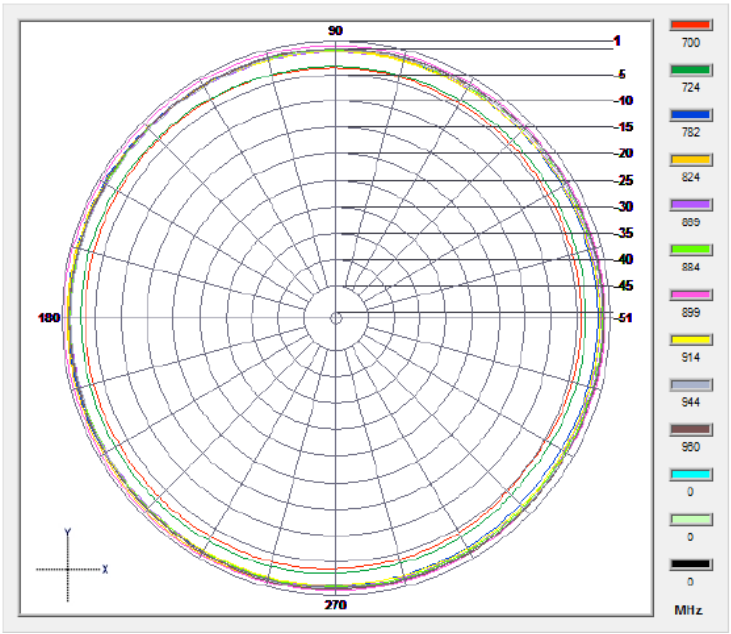
Unit: mm

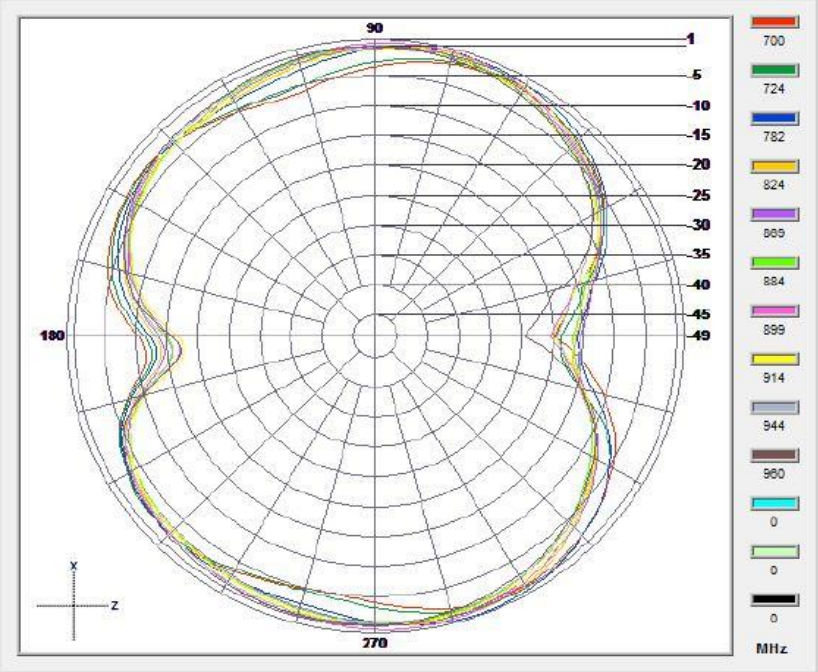
FREQUENCY CHARACTERISTICS

S-Parameter



RADIATION PATTERN




90
180
270
1
5
10
15
20
25
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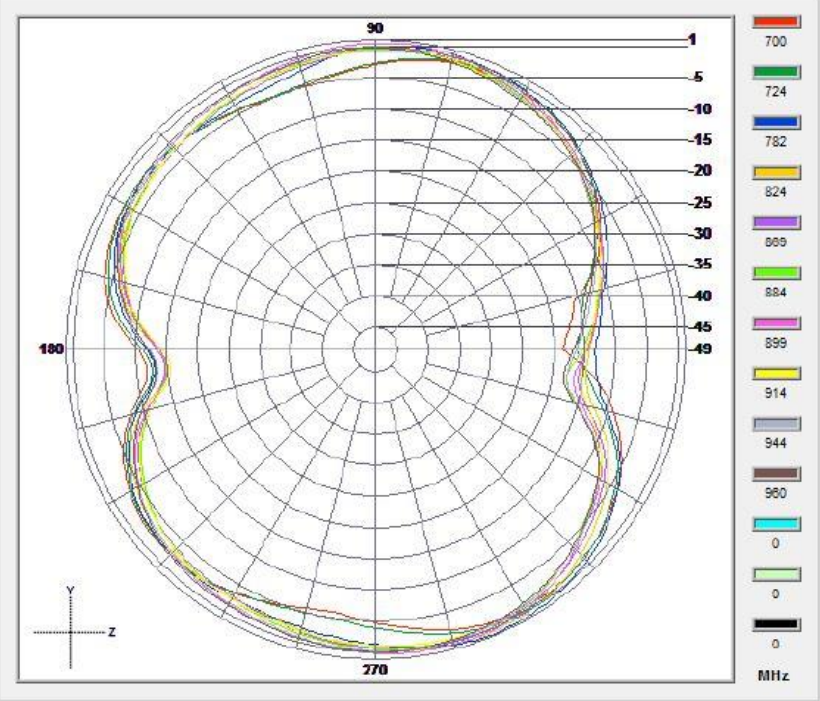
40
45
49
700
724
782
824
869
884
899
914
944
960
0
0
0
MHz


90
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700
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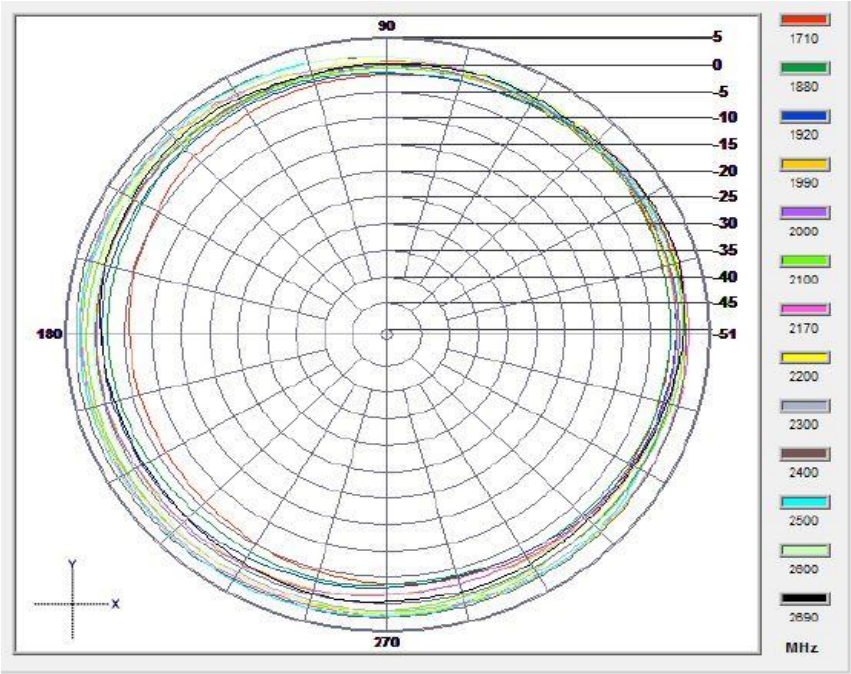
90
180
270
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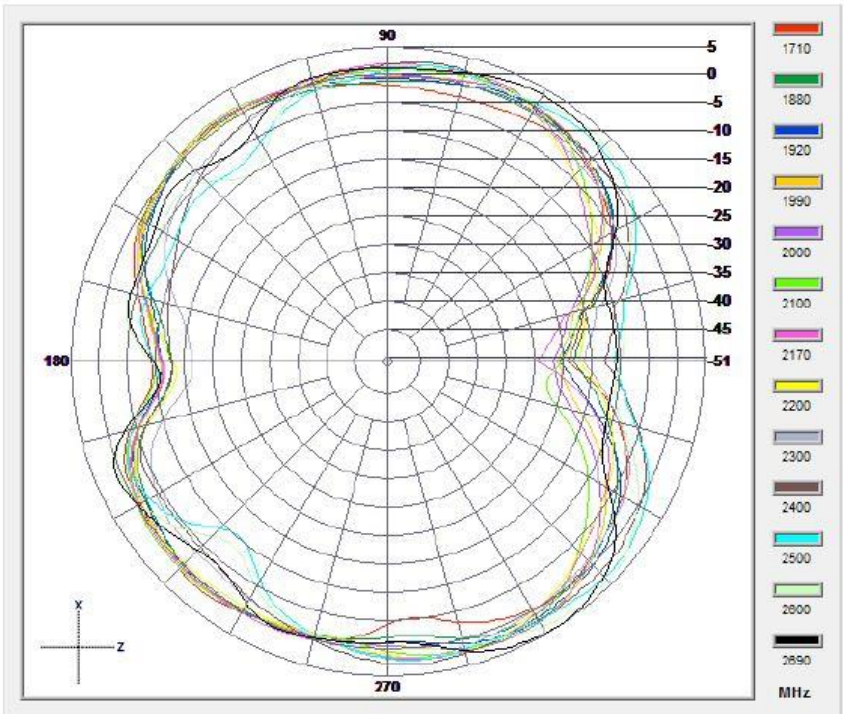
-20
-25
-30
-35
-40
-45
-51
Y
X
1710
1880
1920
1990
2000
2100
2170
2200
2300
2400
2500
2600
2690
MHz


90
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2000
2100
2170
2200
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2400
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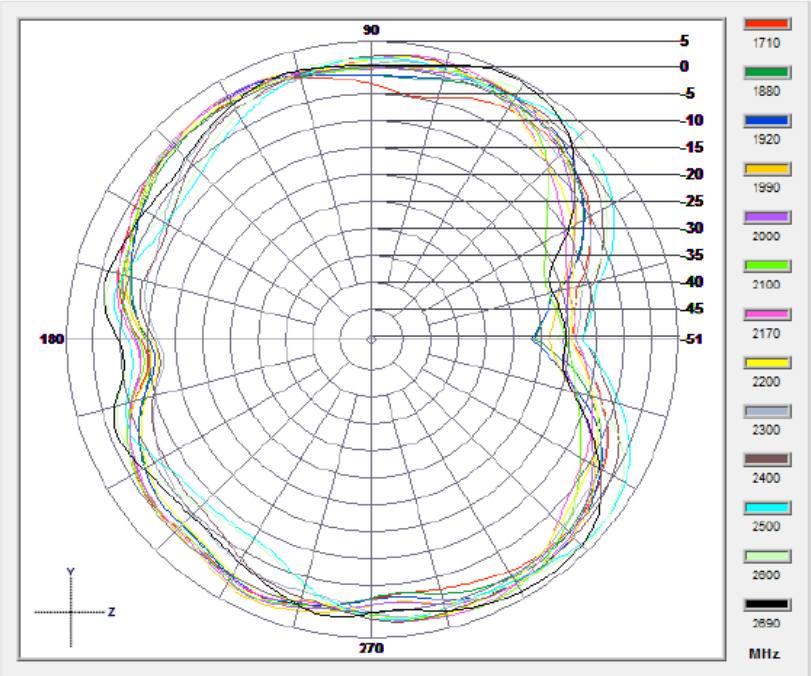
2600
2690
MHz



ENVIRONMENTAL

PARAMETER	VALUE
RoHS	Compliant
REACH SVHC	Compliant
HALOGEN-FREE	Compliant

APPROVAL

RALTRON	
DRAWN BY:	AR, August 01, 2022
APPROVED BY:	CP, August 01, 2022
REVISION:	A, Initial Release

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