

RFID Antenna Test Data

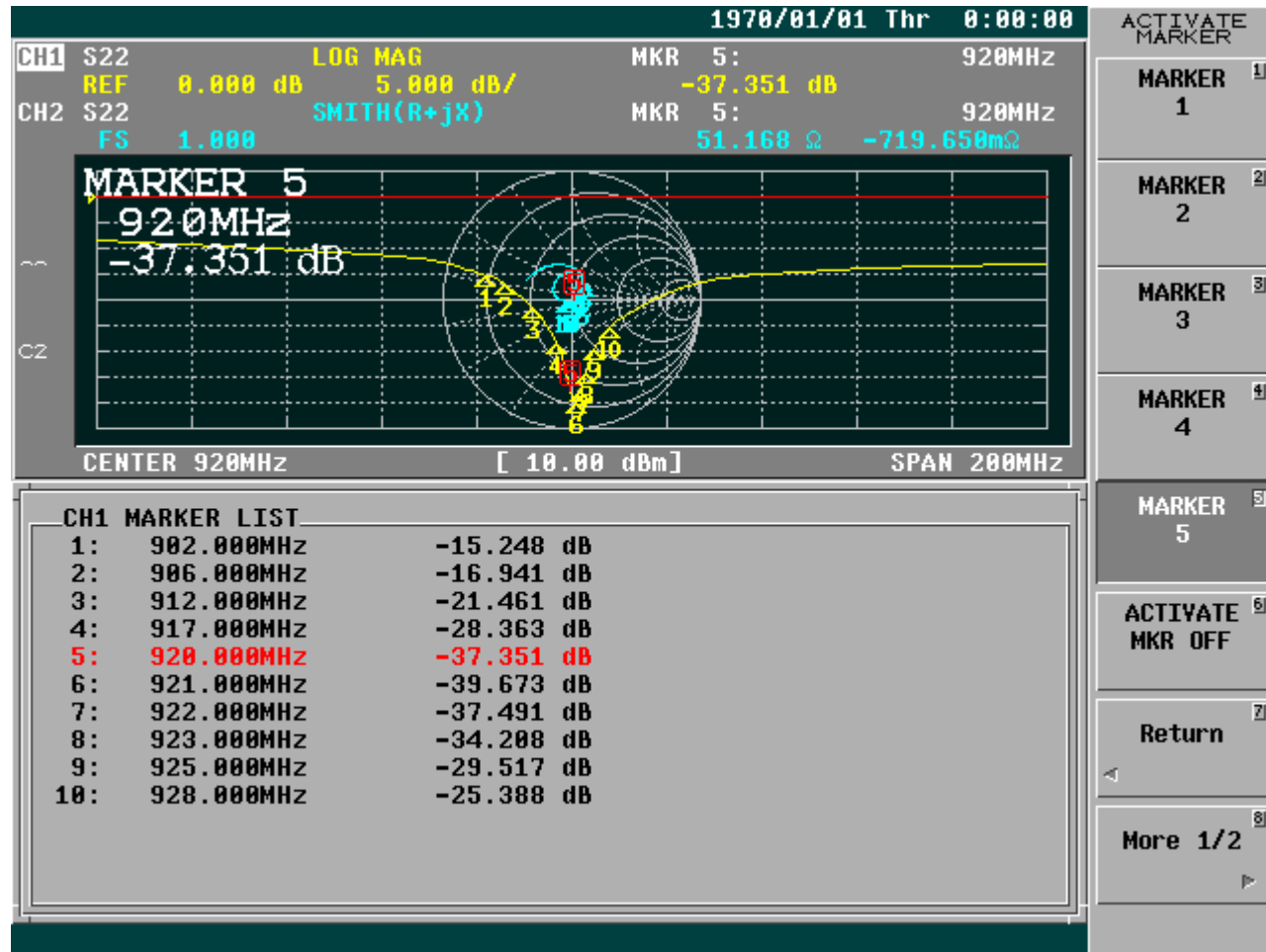
Model:AQUA920S_8012_TSL_N

Oct.05.2023(Rev1.0)

Electric Specification

No		Min	Typ	Max	Unit
1	Part Number	AQUA920S_8012_TSL_N			Each
2	Type	QSA			
3	Operating Frequency	902~928			MHz
4	Polarization	Right-Hand Circular Polarization			
5	Gain		4.5	5.5	dBic
6	Beamwidth	110	120	130	Degrees
7	Bandwidth(-13dB R.L.)		60		MHz
8	Axial Ratio		<1.5		

Antenna Input Matching ($S_{11}=S_{22}$)



RHCP Summary Data

Summary

Multiple Frequency

Multiple Cut

3D-View

Reserved

Operator :

Date :

Customer :

Time :

Description :

Antenna Type

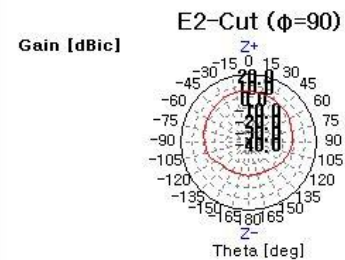
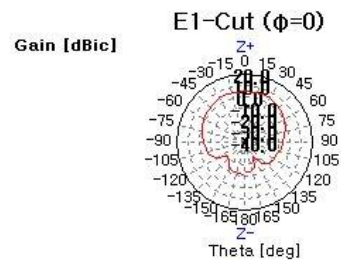
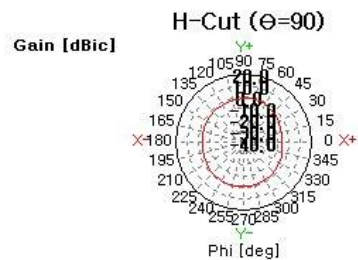
☐ Linear Polarization Type

☒ Circular Polarization Type

3D Result Summary :

No	Freq.[MHz]	θ-Pol(H) Eff.[%]	Avg.[dBi]	Peak[dBi]	θ[deg]	φ[deg]	φ-Pol(V) Eff.[%]	Avg.[dBi]	Peak[dBi]	θ[deg]	φ[deg]	RHCP					LHCP					(-)A.R.	
												Eff.[%]	Av.[dBic]	Pk.[dBic]	θ[deg]	φ[deg]	Eff.[%]	Av.[dBic]	Pk.[dBic]	θ[deg]	φ[deg]	Peak[dB]	
1	920.000	37.81	-4.22	2.55	10.00	10.00	60.83	-2.16	3.01	0.00	270.00	88.13	-0.55	5.26	0.00	270.00	10.51	-9.78	-4.57	170.00	310.00	-1.63	

Multiple Frequency Data

[illegible]

Plot Data

Polarization : RHCP ▼

Frequency : 920,000 **[MHz]**

Graph Option

Style

☒ Polar ☐ Rectangular

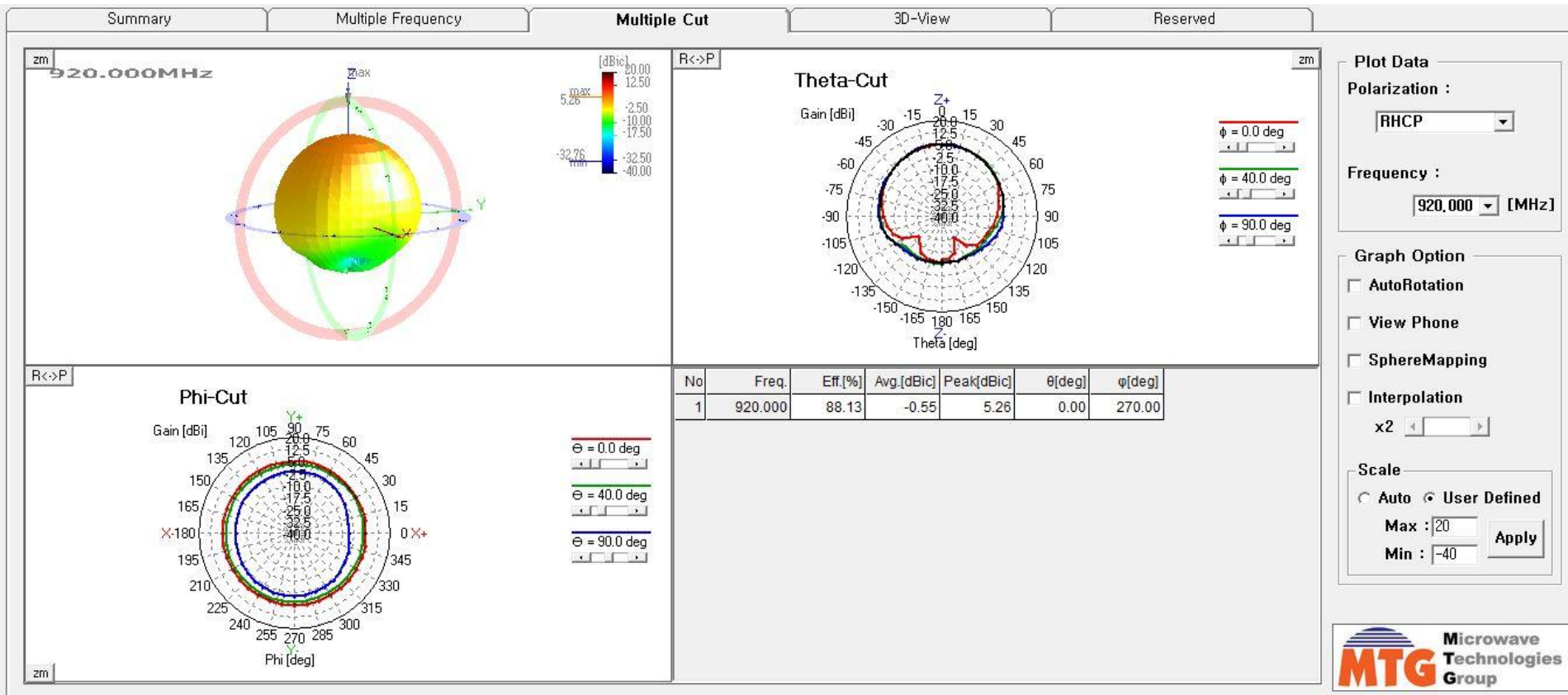
Zoom

H-Cut E1-Cut E2-Cut

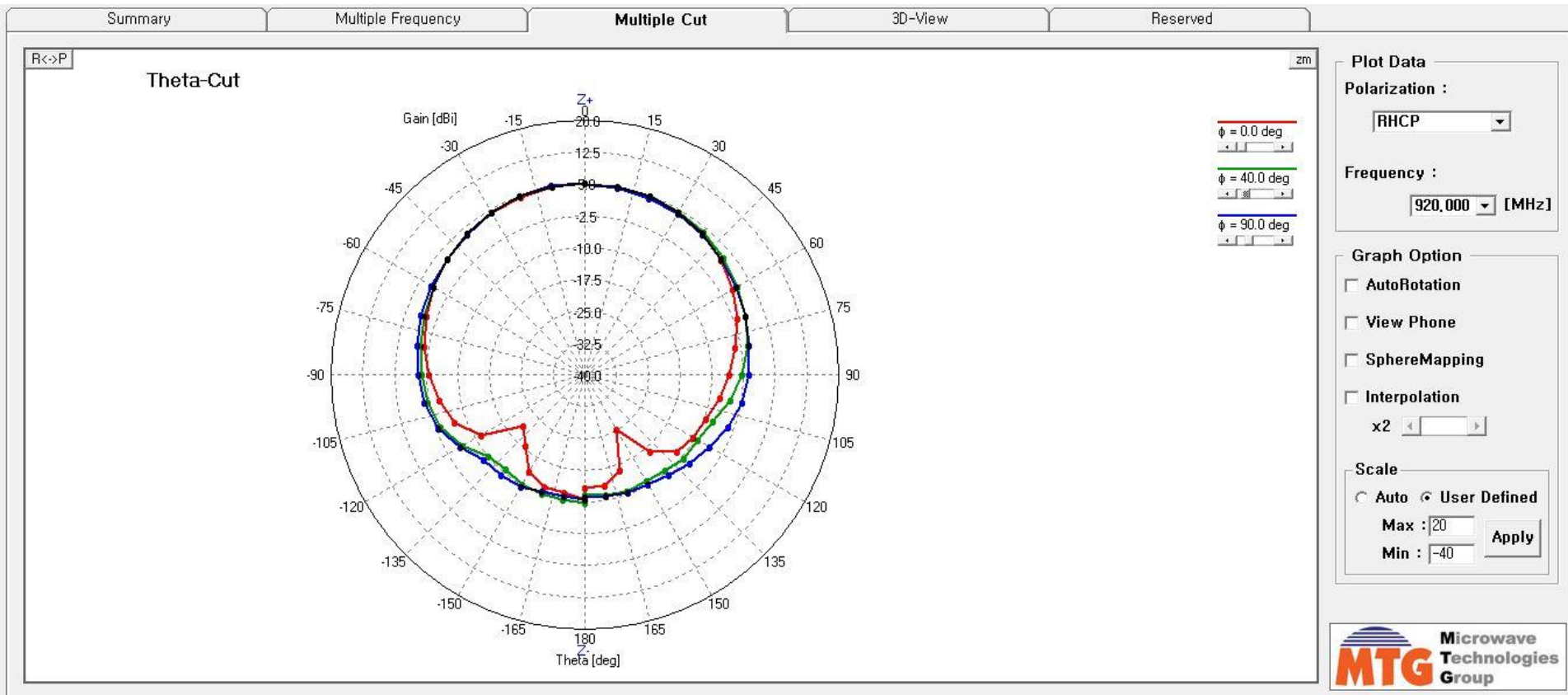
Scale

MTG Microwave Technology Group

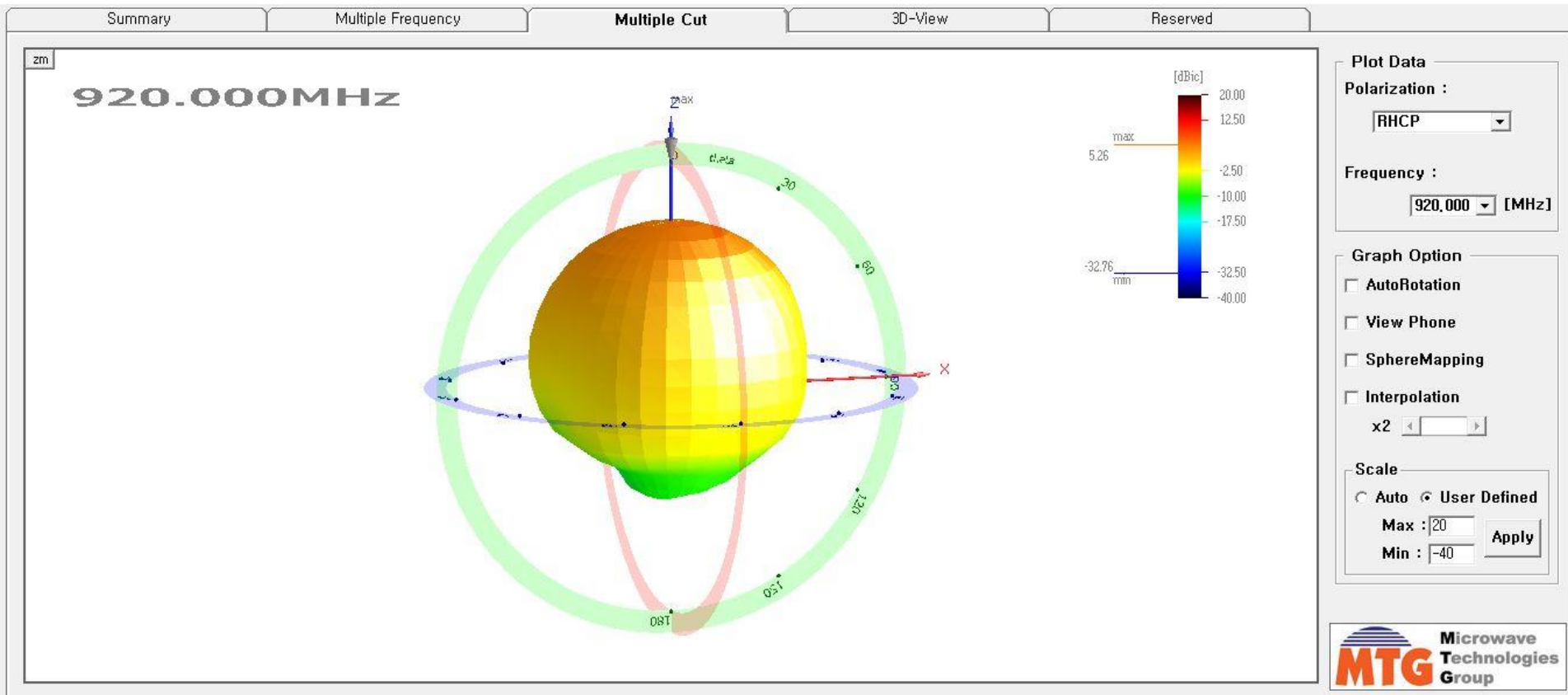
Multiple Cut Data



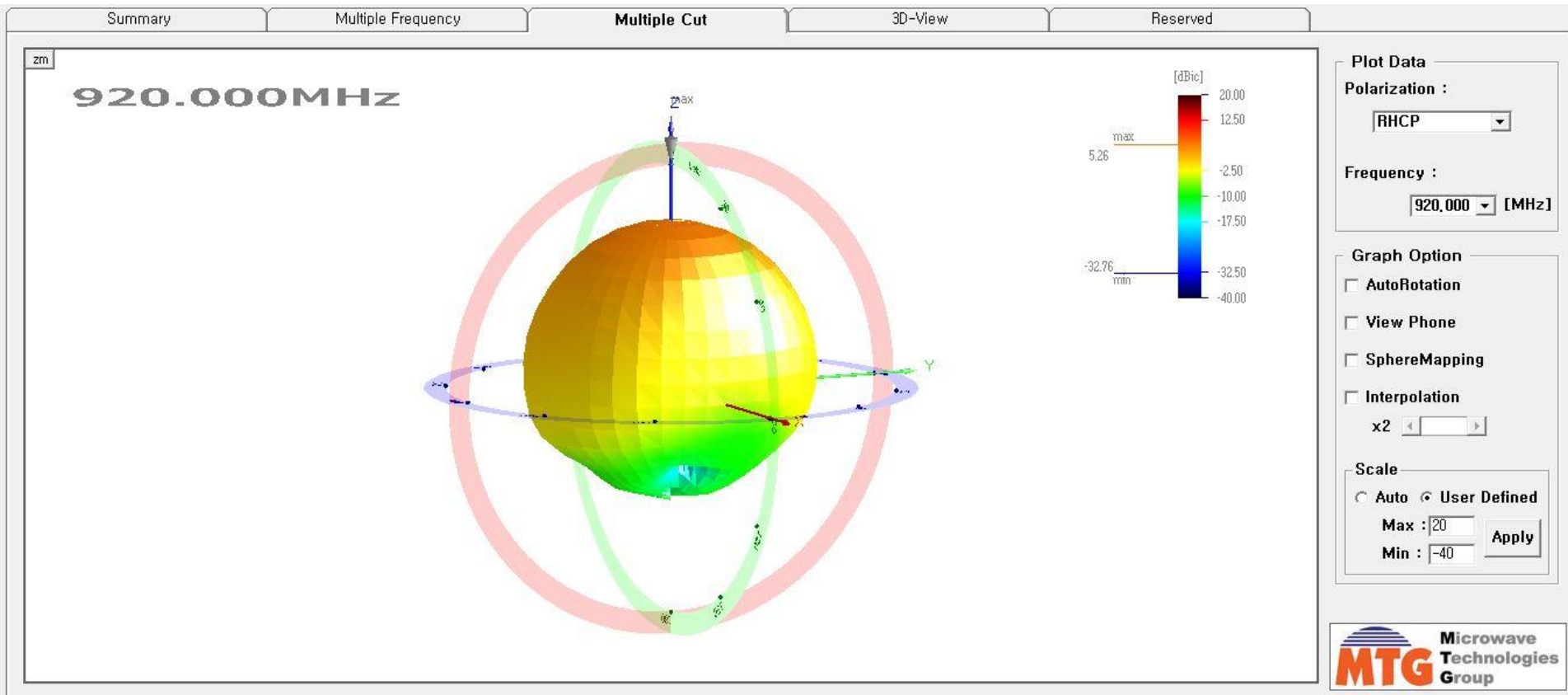
Multiple Cut Data



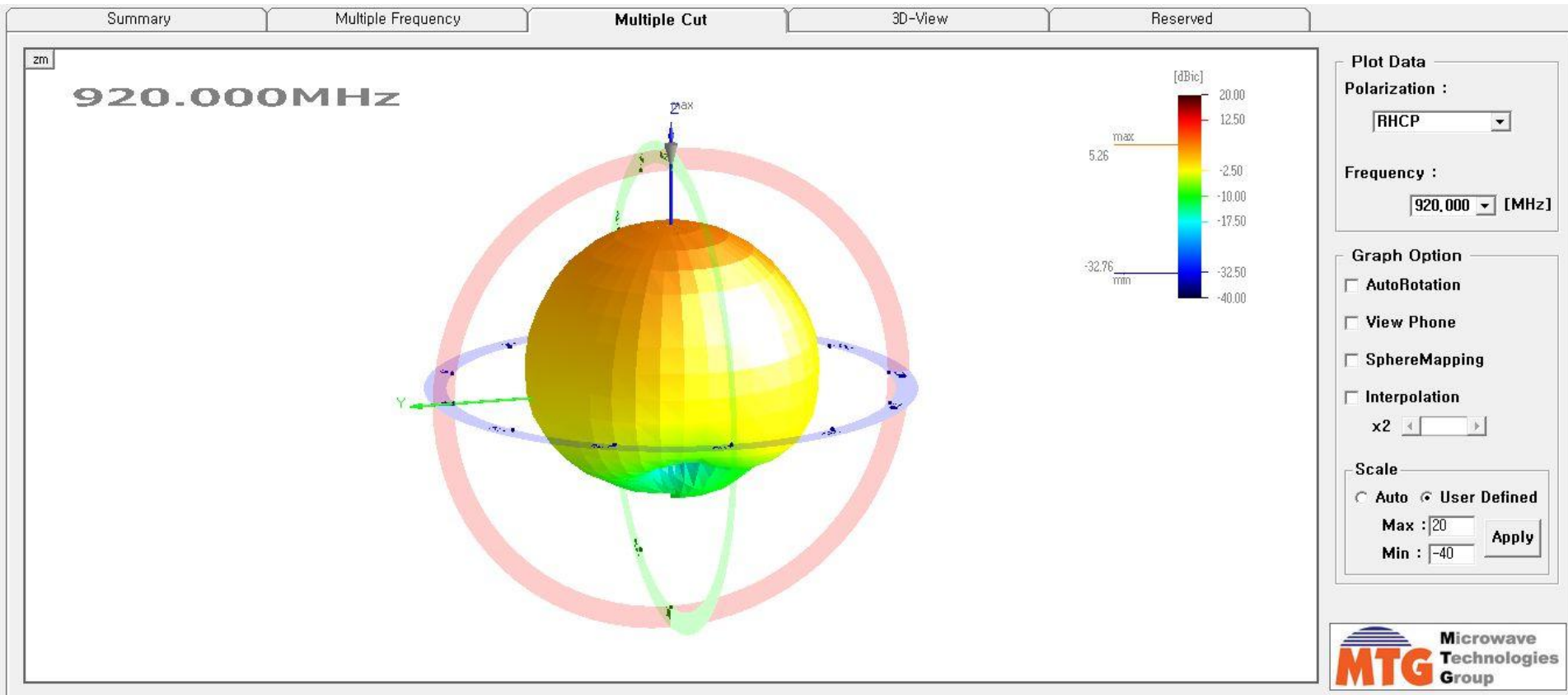
3D View1 Data



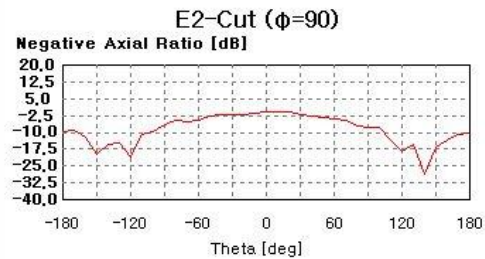
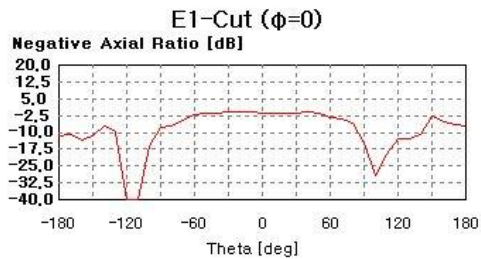
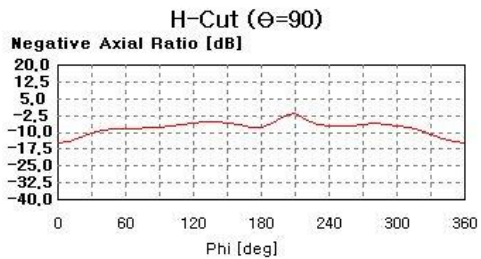
3D View2 Data



3D View3 Data



Axial Ratio Data

[illegible]

Plot Data

Polarization :

(-) Axial Ratio ▼

Frequency :

920,000 [MHz]

Graph Option

Style

☐ Polar ☒ Rectangular

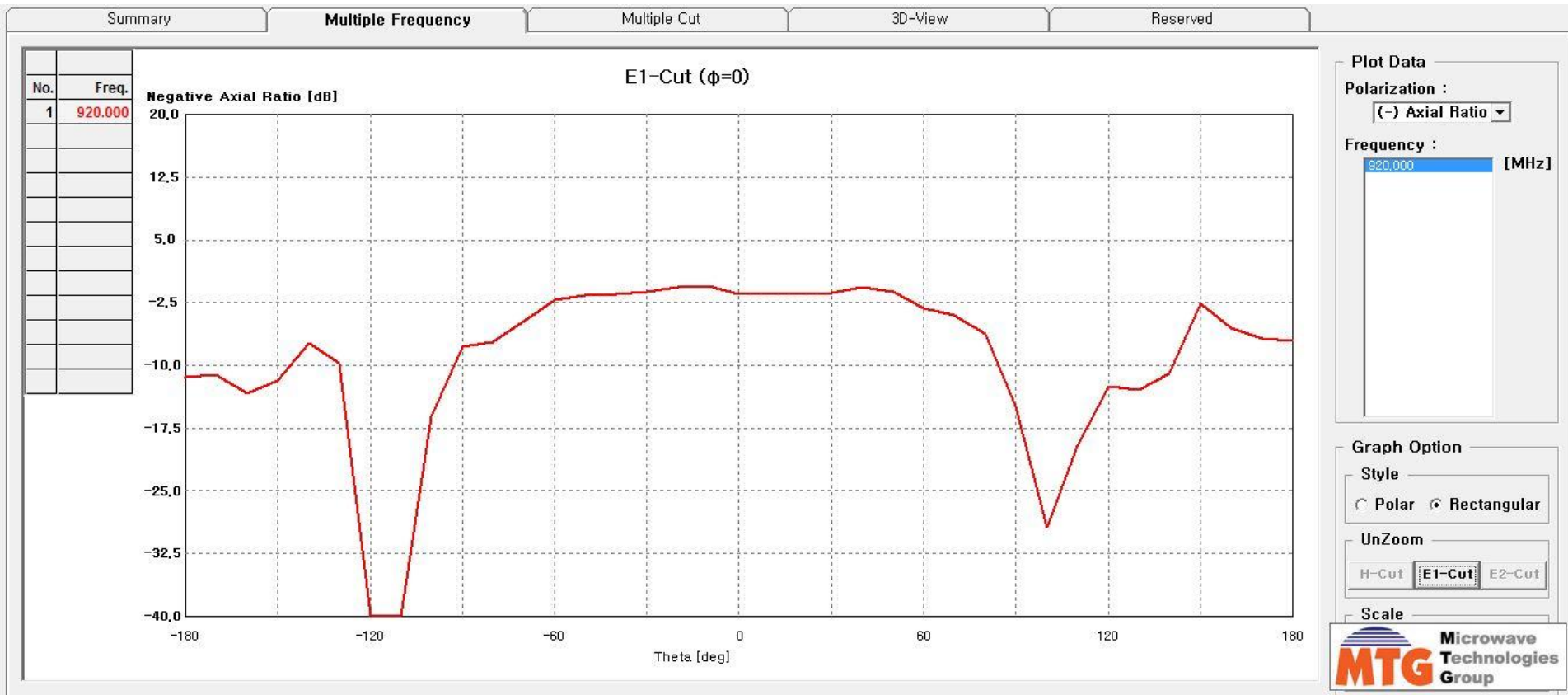
Zoom

H-Cut	E1-Cut	E2-Cut
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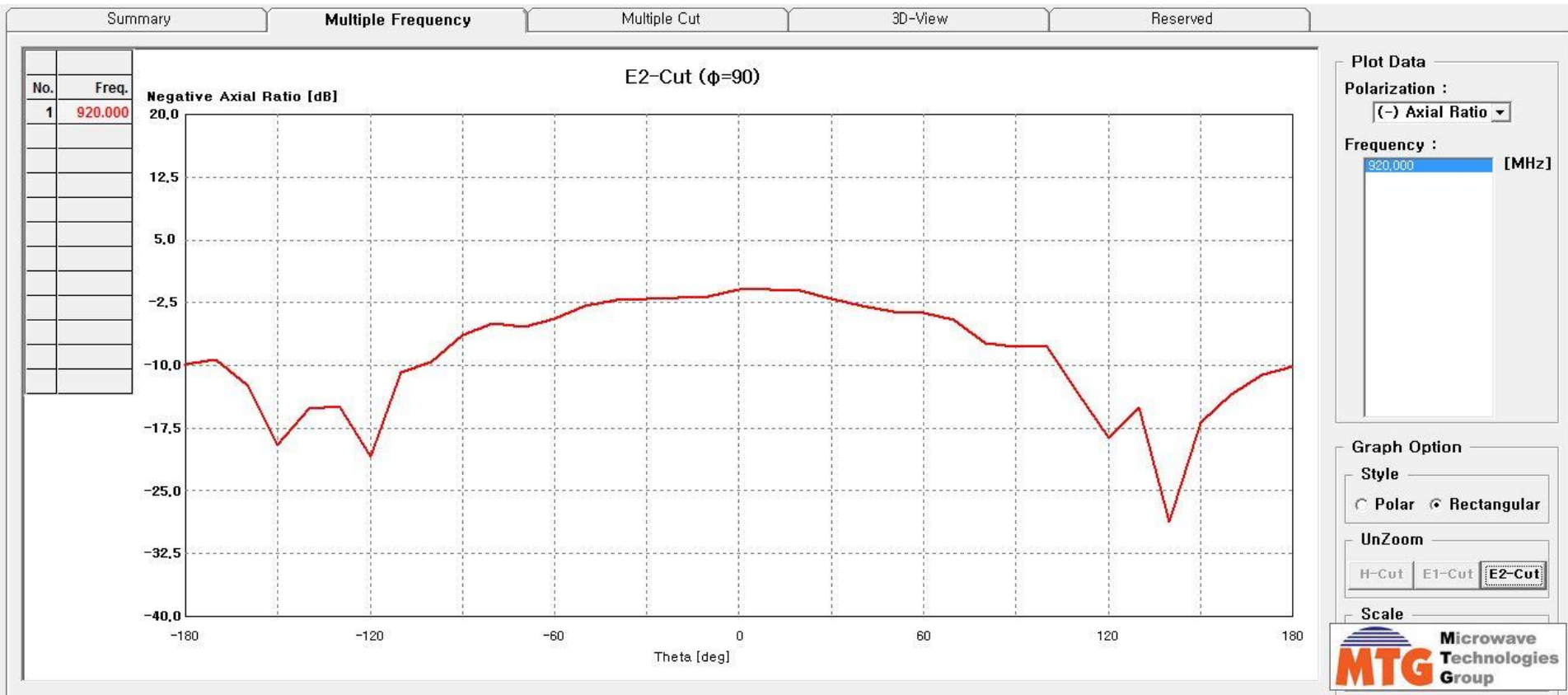
Scale



Axial Ratio Data



Axial Ratio Data



Remark

Test LAB.:RAPA, Test date:Sep.25.2019 ,Tester:Ye Na Kim

