GALTRONICS

WHEN CONNECTIONS COUNT

Test date: 2024/03/20
Test personnel :Zack You

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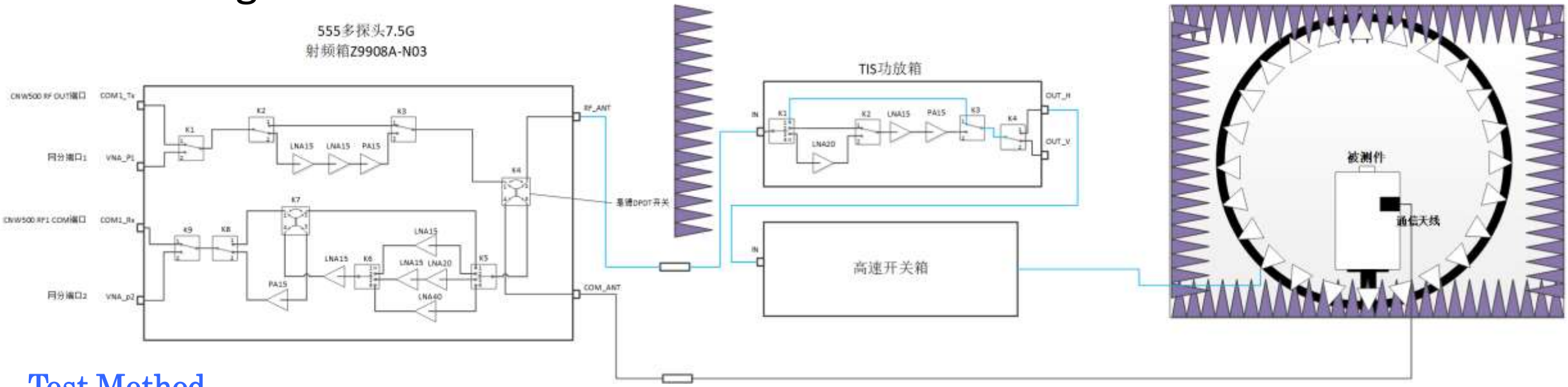
Chamber Info.

➢Test Configuration and Test Method



Test Method

The “great circle” cut method, whereby the Measurement Antenna remains fixed and the EUT is rotated about two axes in sequential order. The radiated RF performance of the Equipment Under Test (EUT) is measured by sampling the radiated transmit power of the mobile at various locations surrounding the device. A three-dimensional characterization of the 'transmit' performance of the EUT is pieced together by analyzing the data from the spatially distributed measurements.

Data points taken every 15 degrees in the theta and in the phi axes are deemed sufficient to fully characterize the EUT's Far-Field radiation pattern and total radiated power All of the measured power values will be integrated.

Chamber Info.

➢Measurement equipment

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date
ENA Network Analyzer	KEYSIGHT	E5071C	MY46730234	1 Year	2025/2/28
RF Switch Box	HWA-TECH	Z9916A-NO1	N/A	／	／
SP24 Chamber	HWA-TECH	555	N/A	／	／
Horn Antenna	HWA-TECH	TN3112	N/A	／	／

Name and address of the antenna manufacture

Galtronics Electronics (Wuxi) Co.

No. 1, Xishi Road,Wuxi New District Jiangsu Province 214028, China

Antenna Specification

DB1	
Frequency	2400~2500MHz, 5150~5850MHz
Antenna type	PIFA
Connector type	DIP soldering
Antenna Gain	3.44dBi@2400~2500MHz 5.20dBi@5150~5850MHz

DB2	
Frequency	2400~2500MHz, 5150~5850MHz
Antenna type	PIFA
Connector type	DIP soldering
Antenna Gain	3.54dBi@2400~2500MHz 3.64dBi@5150~5850MHz

5G1	
Frequency	5150~5850MHz
Antenna type	PIFA
Connector type	DIP soldering
Antenna Gain	4.38dBi@5150~5850MHz

Gain Summary

	Freq(MHz)	Peak Gain(dBi)
DB1	2400	3.44
	2450	3.26
	2500	2.97

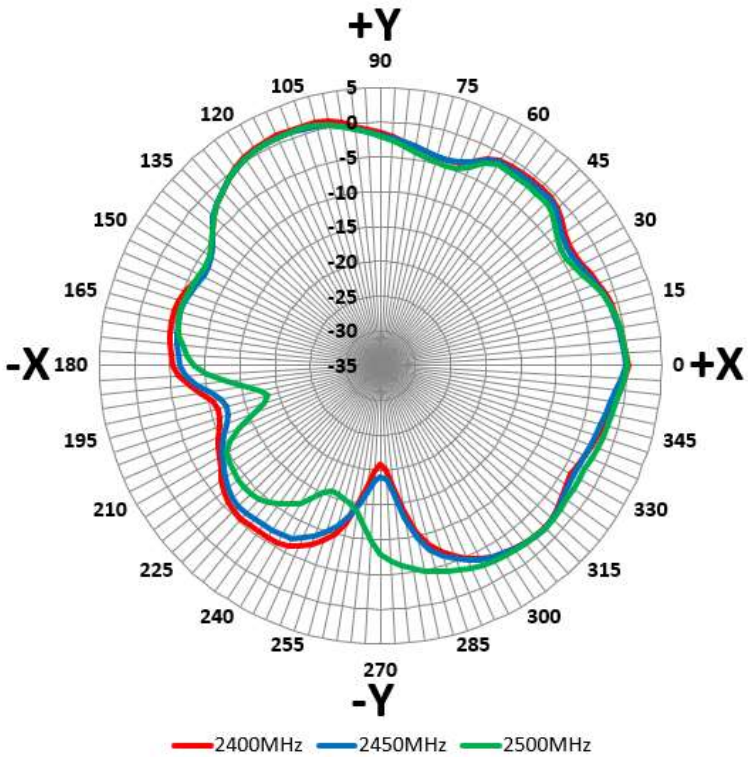
	Freq(MHz)	Peak Gain(dBi)
DB2	2400	3.54
	2450	2.67
	2500	2.01

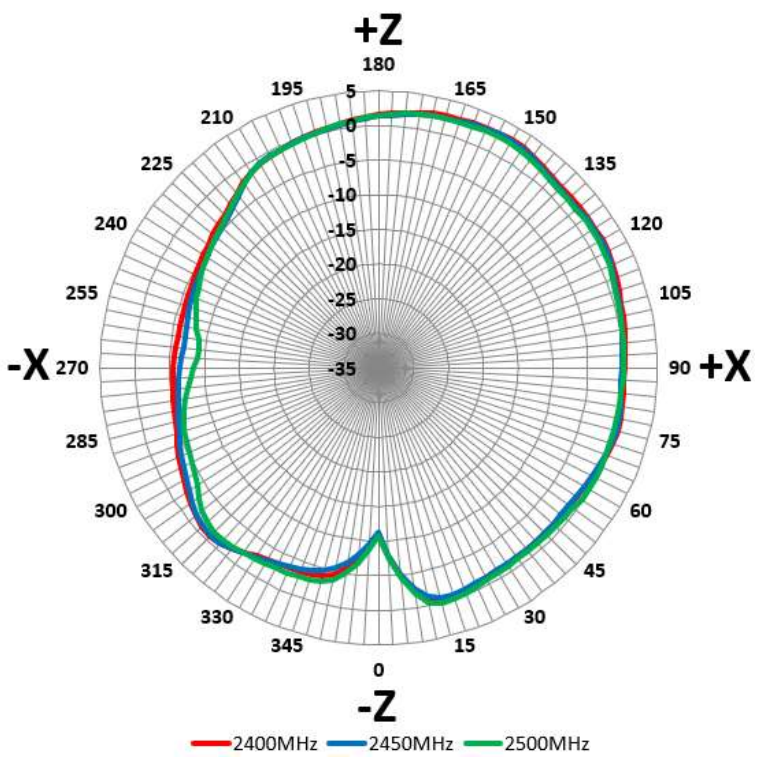
	Freq(MHz)	Peak Gain(dBi)
DB1	5150	4.06
	5350	4.21
	5550	4.70
	5750	5.03
	5850	5.20

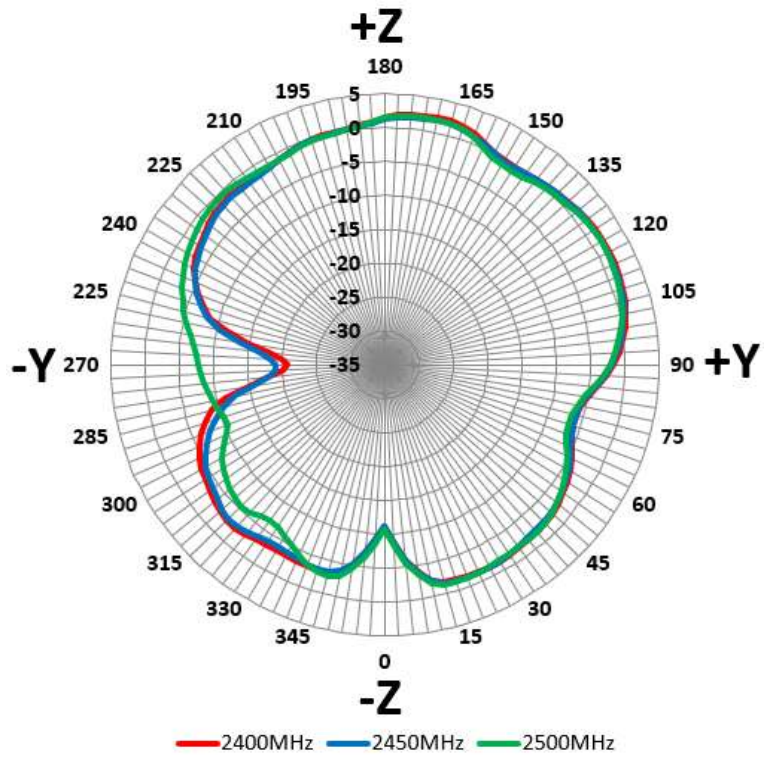
	Freq(MHz)	Peak Gain(dBi)
DB2	5150	3.17
	5350	3.64
	5550	3.59
	5750	2.53
	5850	2.70

	Freq(MHz)	Peak Gain(dBi)
5G1	5150	3.93
	5350	4.38
	5550	4.14
	5750	3.76
	5850	3.95

Power Sum-2.4GHz Band

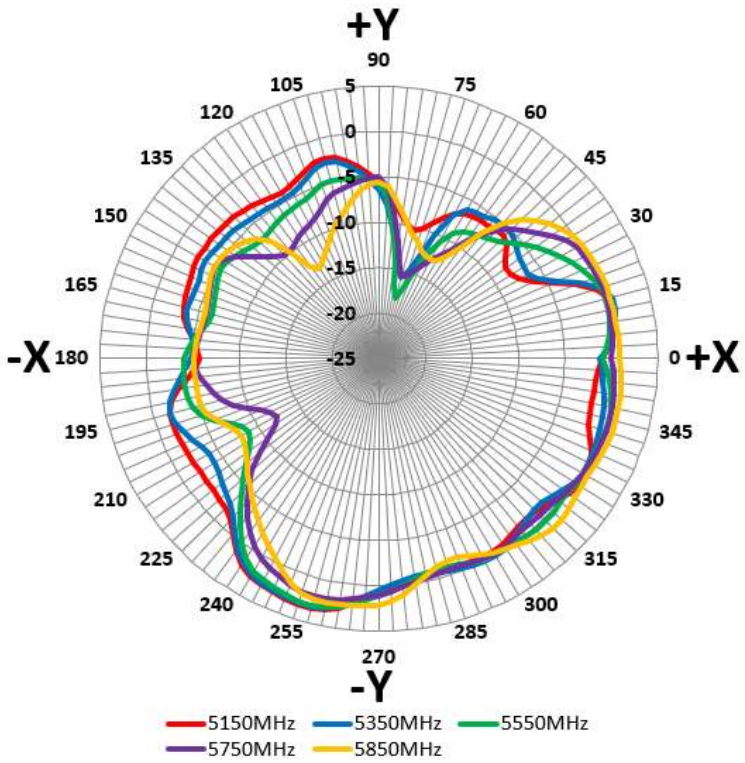


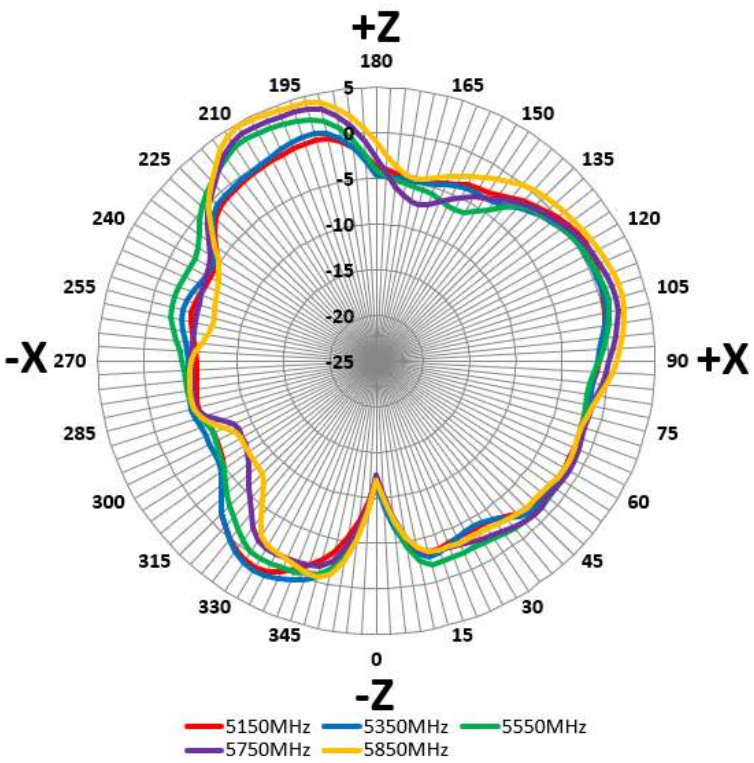


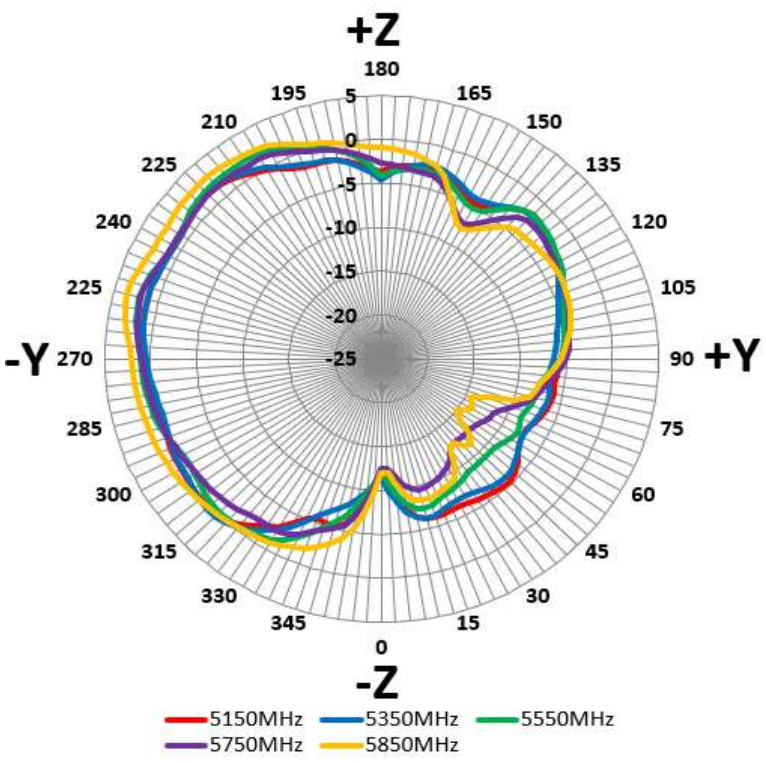


DB1

Power Sum-5GHz Band

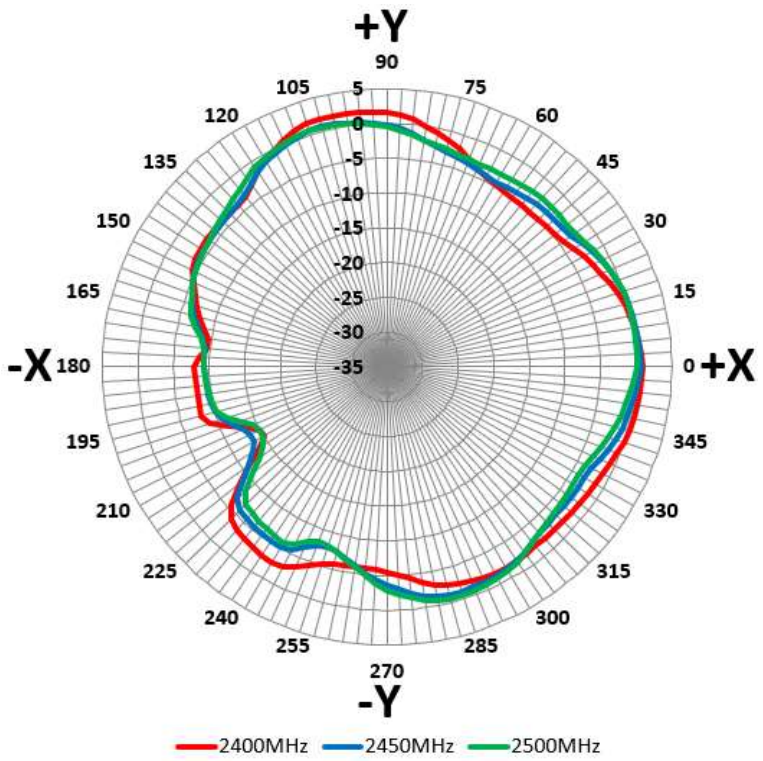


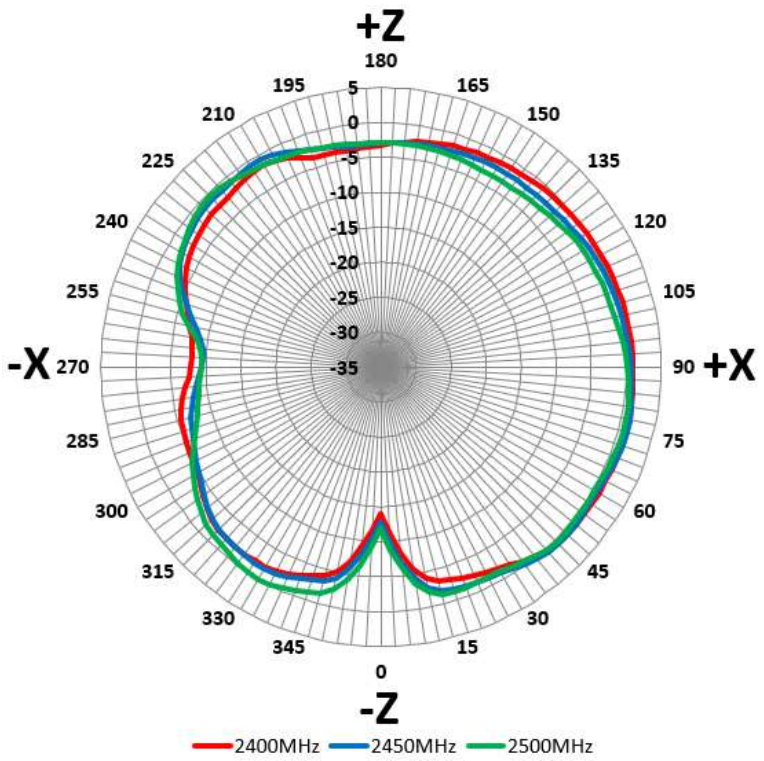


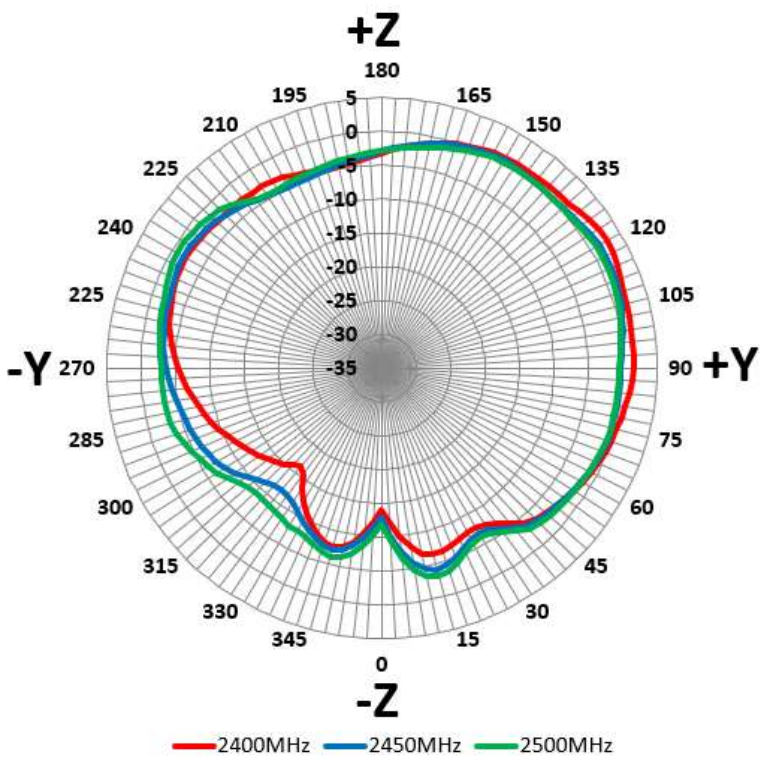


DB1

Power Sum-2.4GHz Band

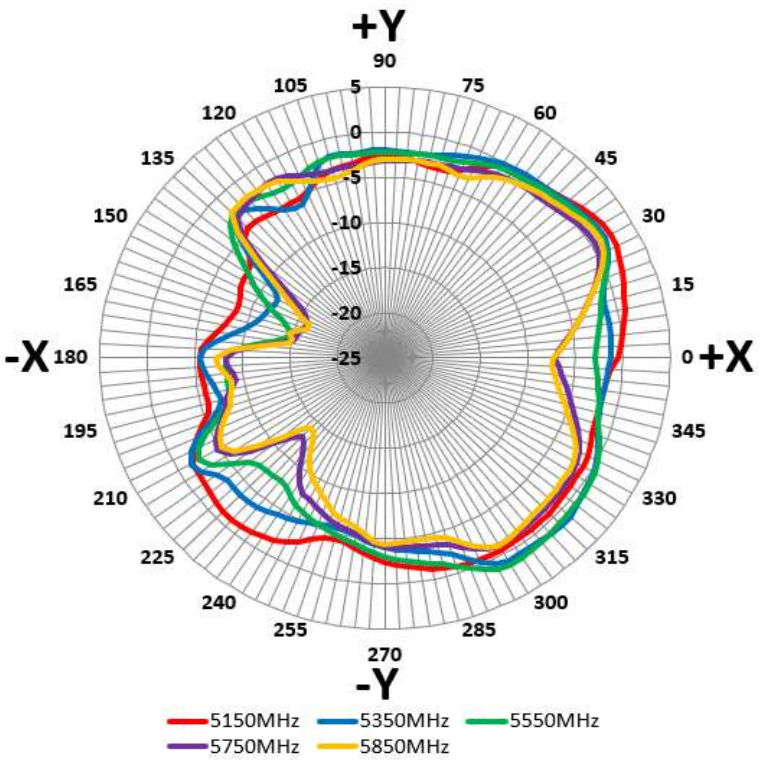


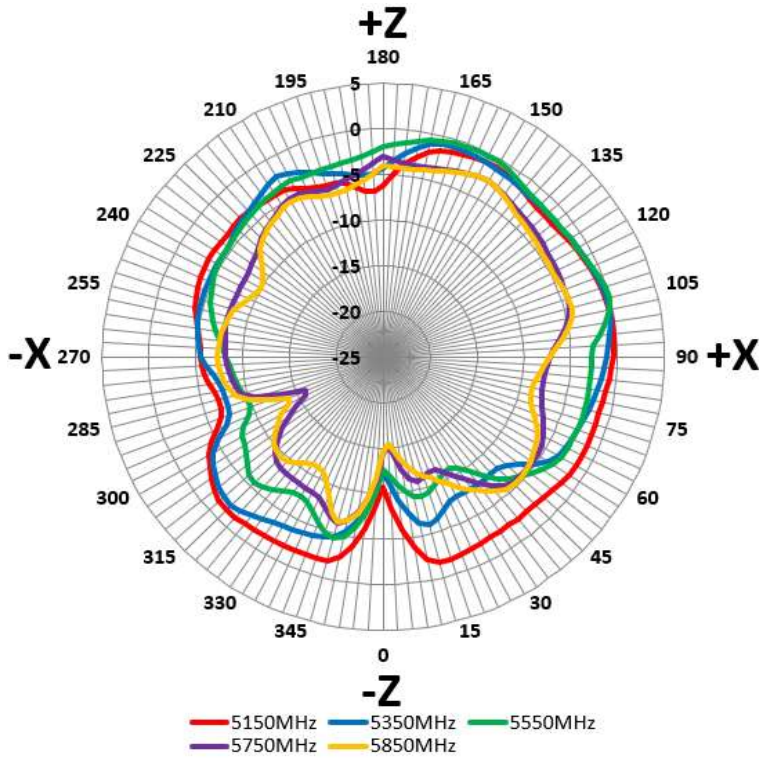


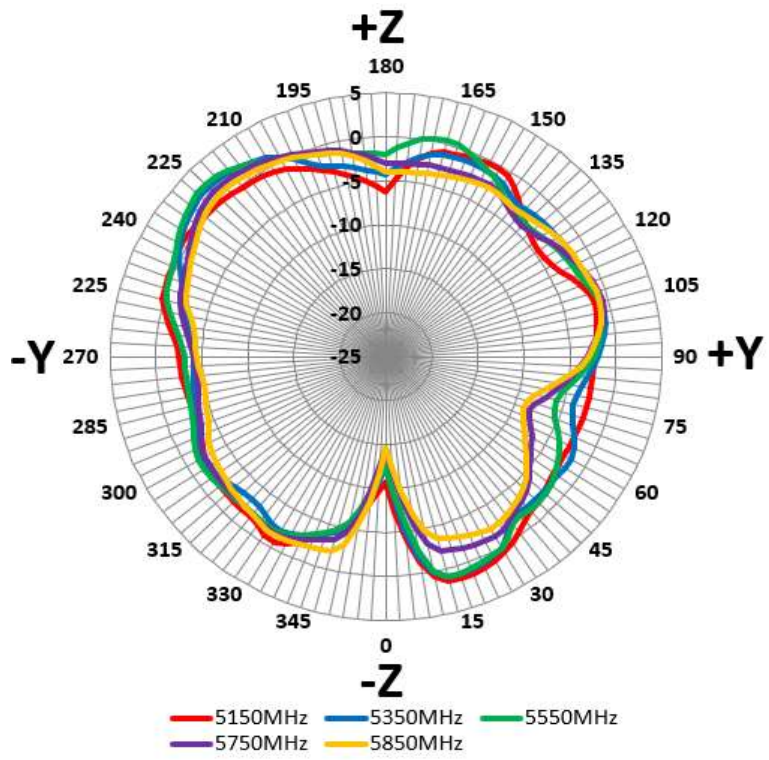


DB2

Power Sum-5GHz Band

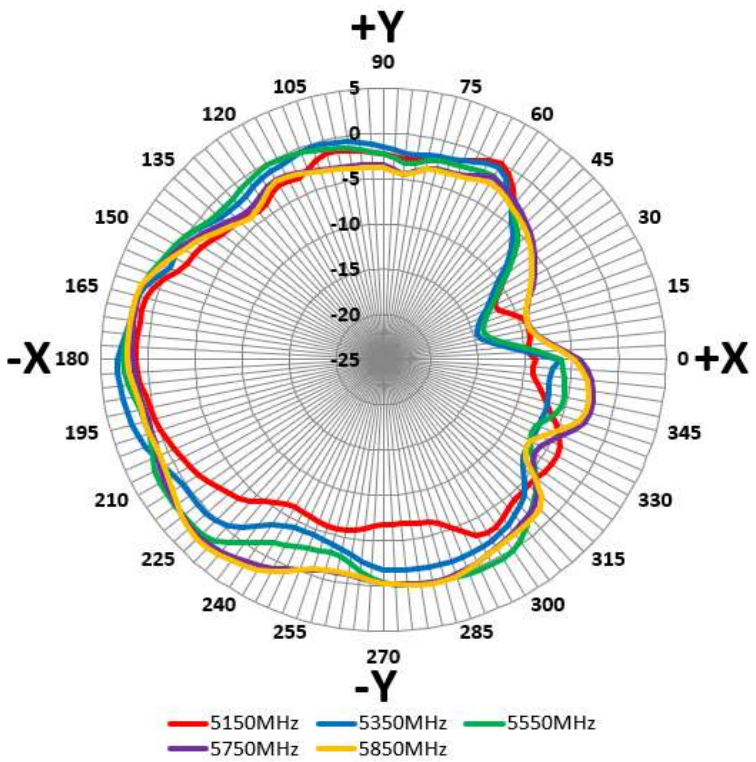


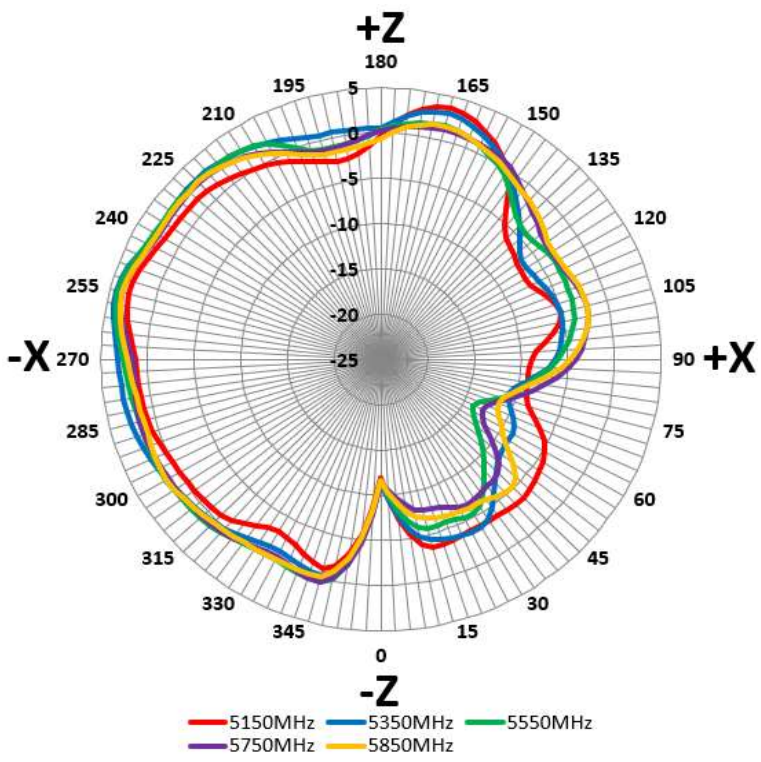


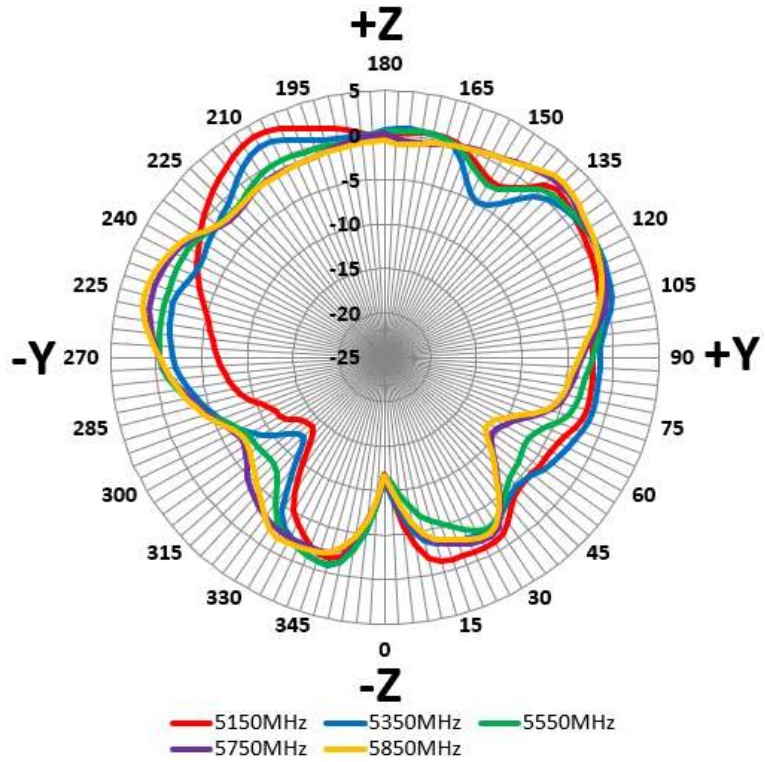


DB2

Power Sum-5GHz Band







5G1