

Antenna specification

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number	Item	Specifications
1	Working Central Frequency	2441 MHz
2	Band Width	(2402-2480)MHz
3	Gain	0dBi
4	VSWR	≤2.0
5	Antenna type	PCB antenna
6	Azimuth Beam width	Omni — directional
7	Impedance	50ohm
8	Modulation mode	GFSK

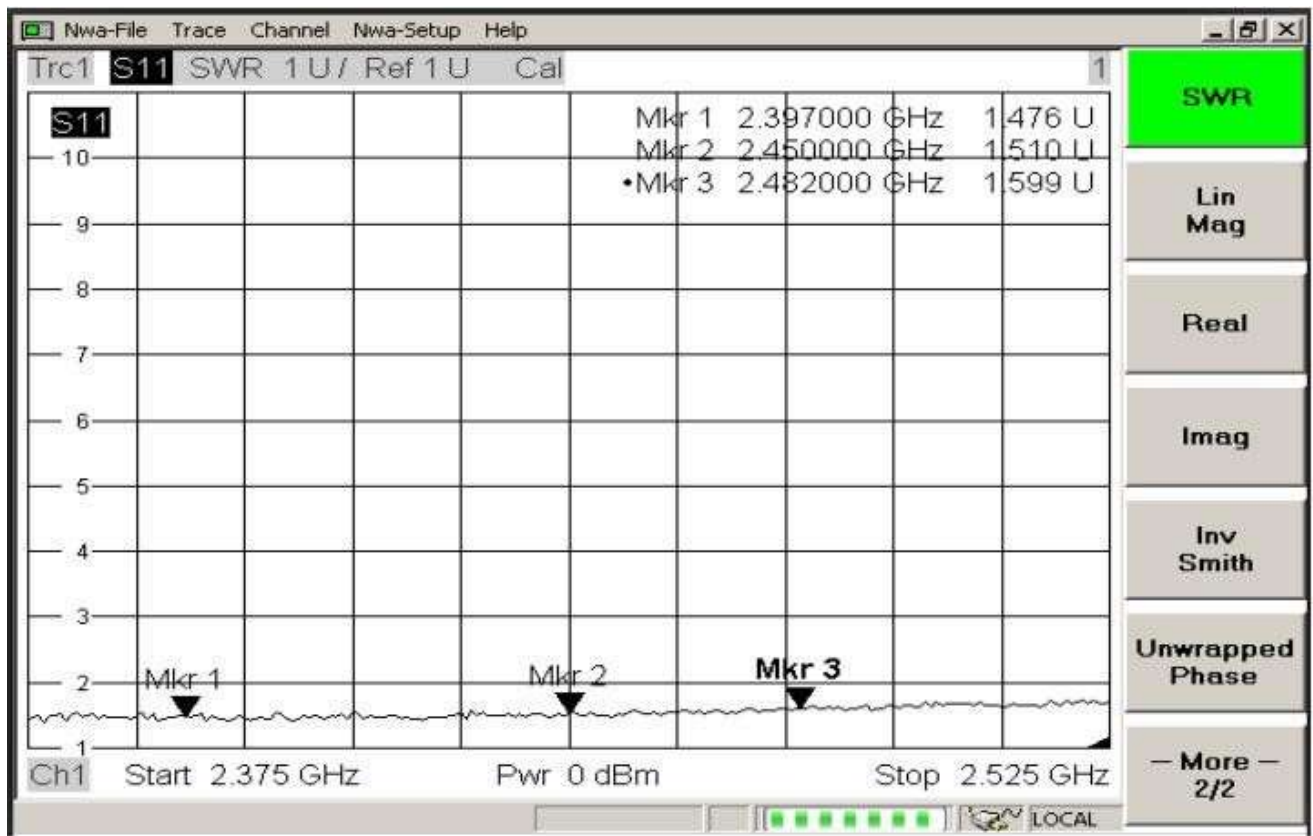
3. simulation parameter

① VSWR

Mkr1: 2397MHz 1.47

Mkr2: 2450MHz 1.51

Mkr3: 2482 MHz 1.59

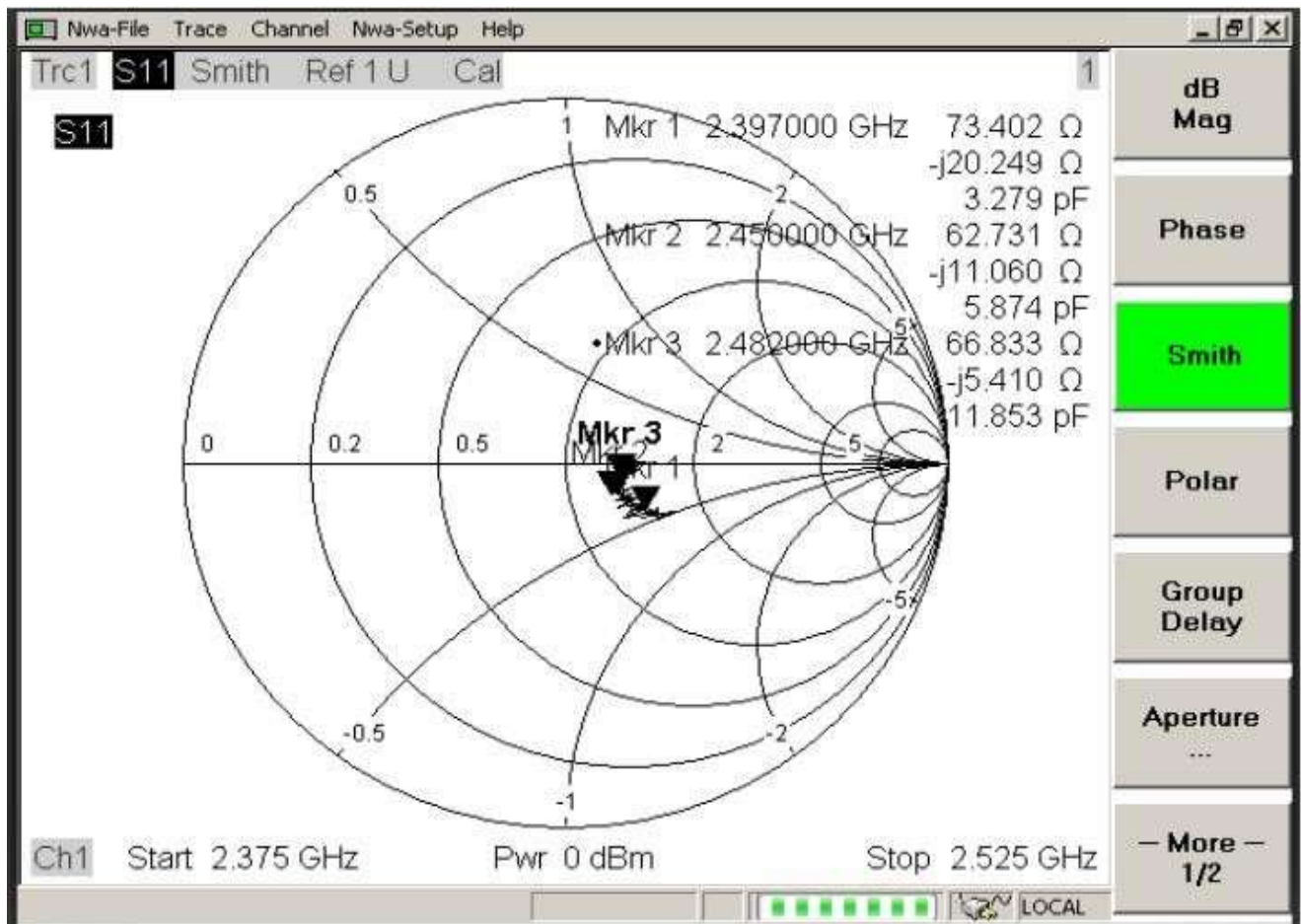


②Smith Char

Mkr1: 2397MHz 73.4

Mkr2: 2450MHz 62.7

Mkr3: 2482MHz 66.8

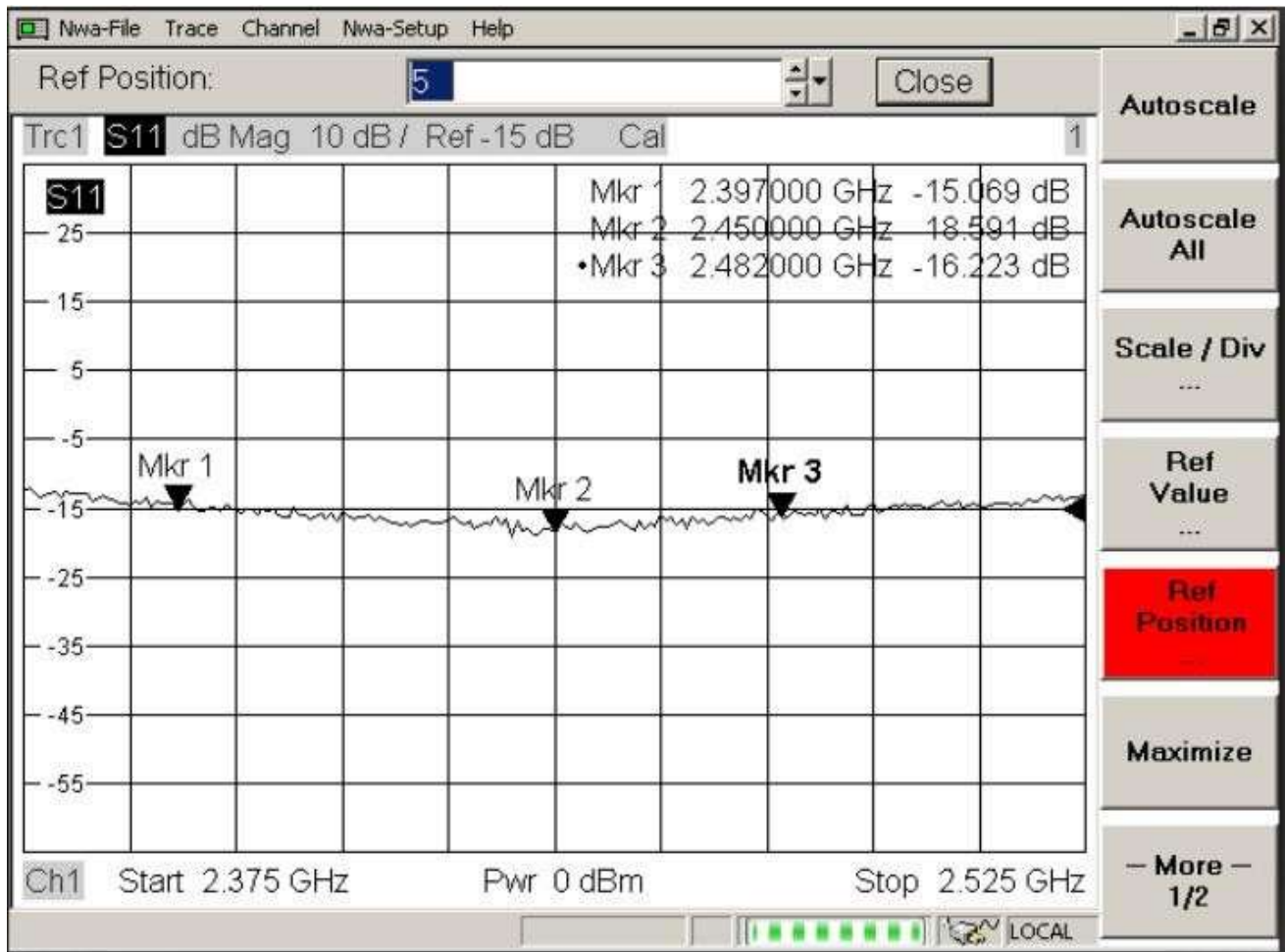


③Return Loss

Mkr1: 2397MHz -15

Mkr2: 2450MHz -18

Mkr3: 2482 MHz -16

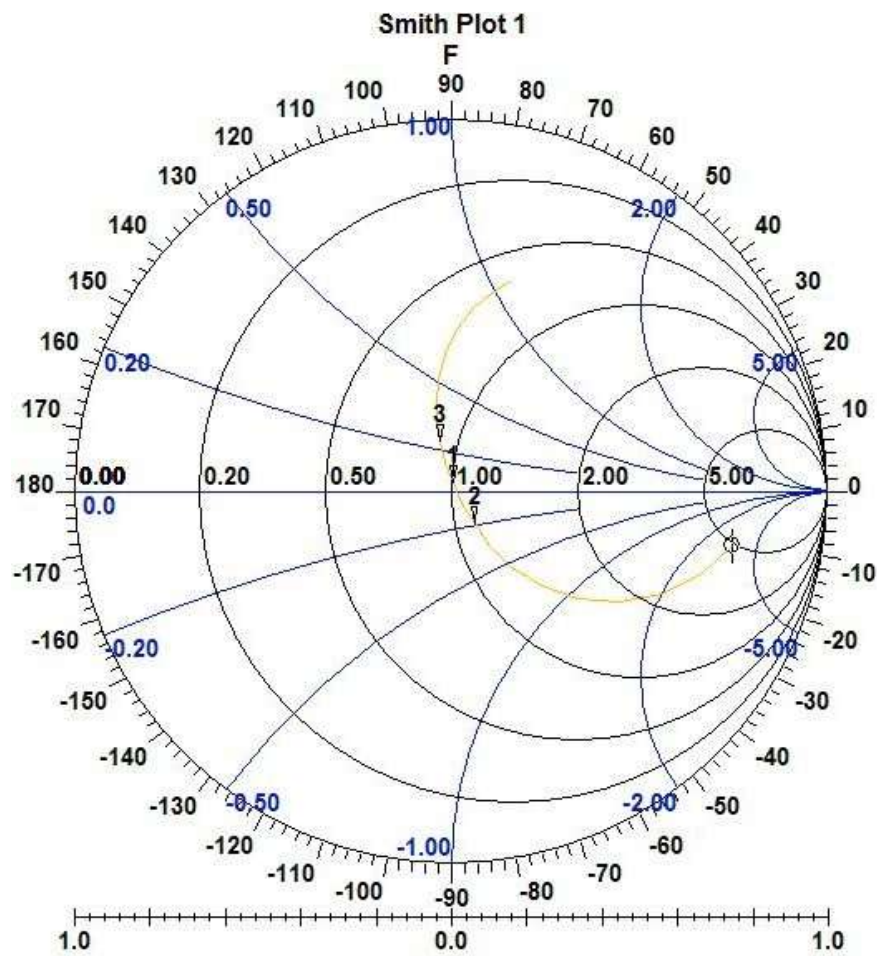


④ Smith Char

Mkr1: 2400MHz 1.234

Mkr2: 2500MHz 1.051

Mkr3: 2600MHz 1.322



	VSWR1= 1.051 2.500GHz
	VSWR2= 1.234 2.400GHz
	VSWR3= 1.322 2.600GHz

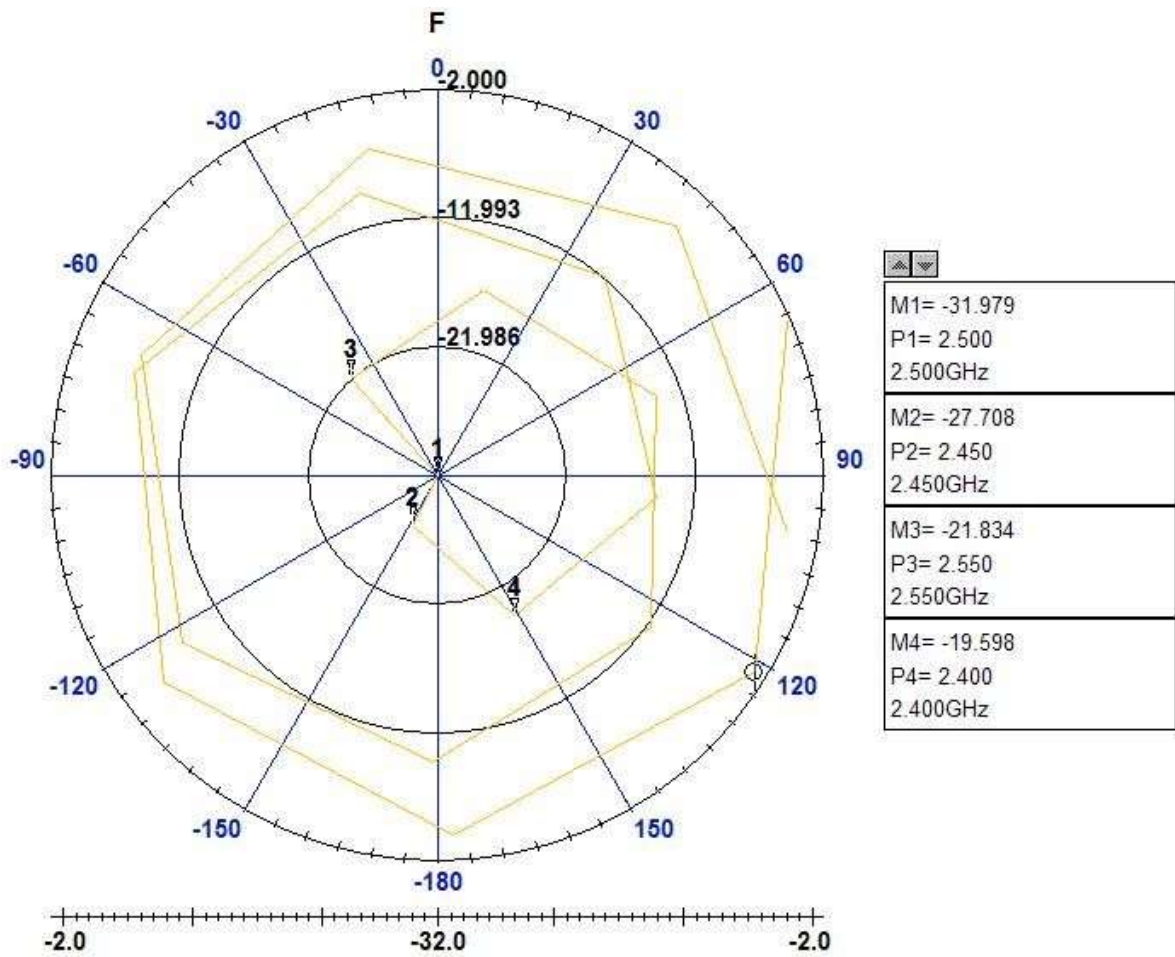
⑤ Return Loss

Mkr1: 2400MHz -19.59

Mkr2: 2450MHz -27.70

Mkr3: 2500MHz -31.97

Mkr4: 2550MHz -21.83

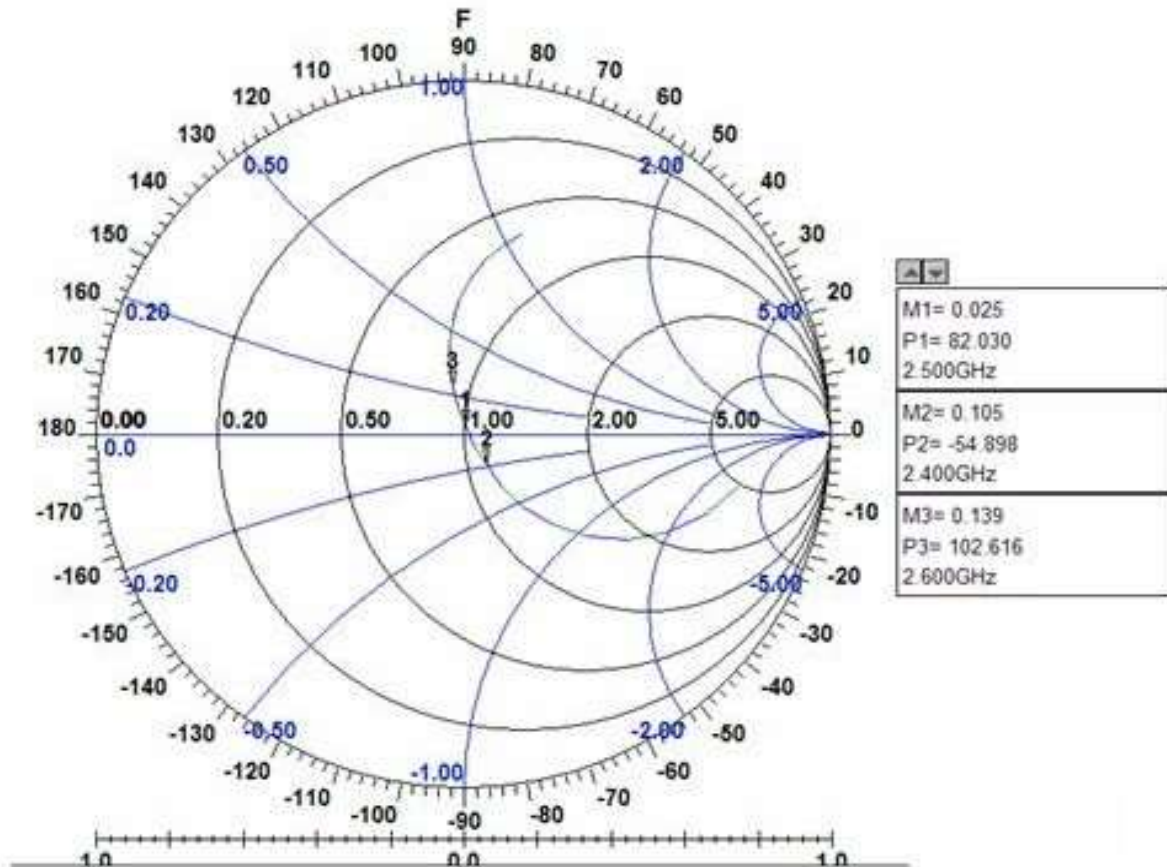


⑥Phase

Mkr1: 2400MHz -54.89

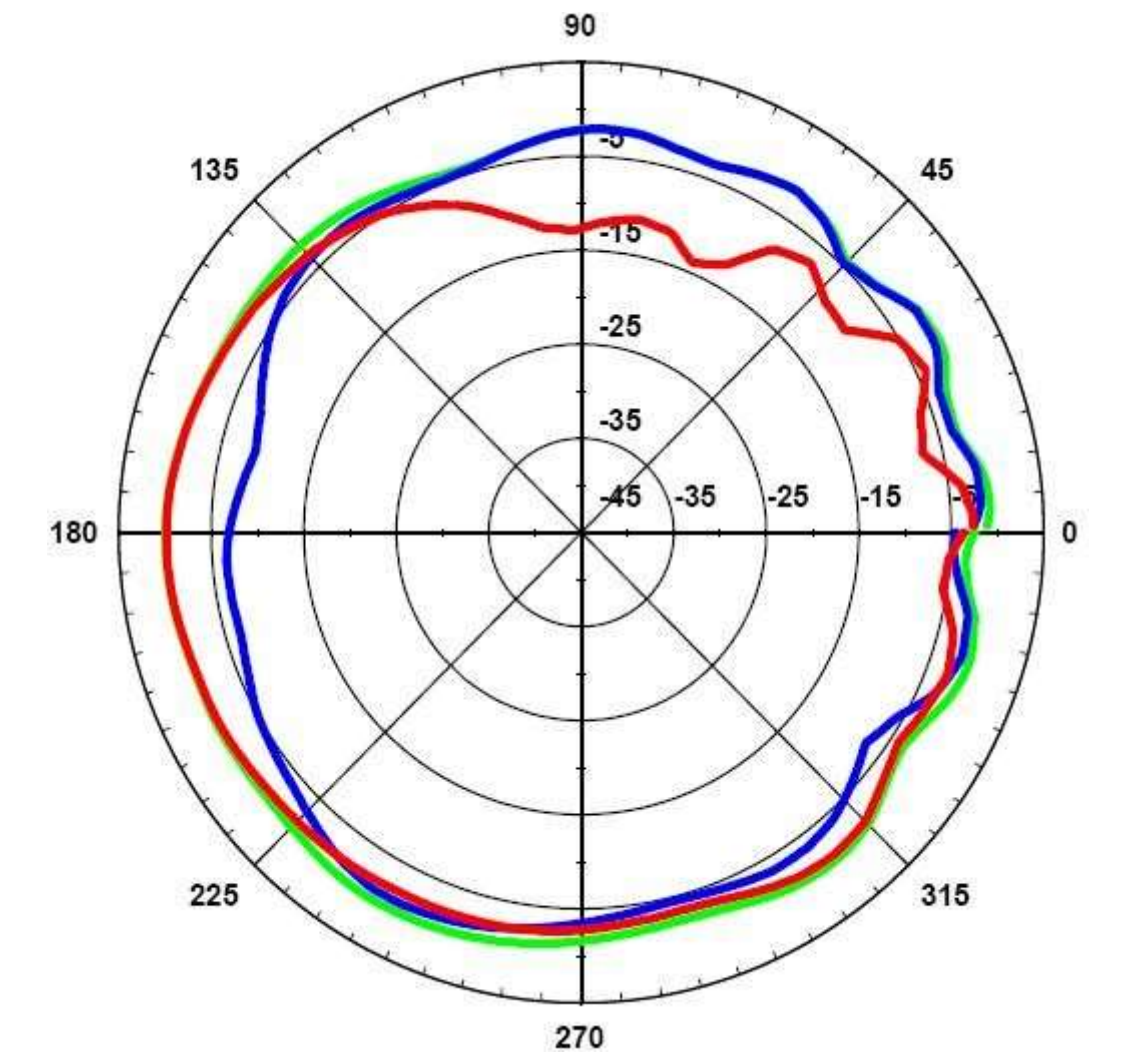
Mkr2: 2500MHz -82.03

Mkr3: 2600MHz -102.6



4. Radiation Patterns

XY-plane ————
XZ-plane ————
YZ-plane ————



• 3DRadiation pattern

