

Data Sheet

CUSTOMER: ASUS

MODEL NAME: UM3504

CUSTOMER P/N: 14008-05620100

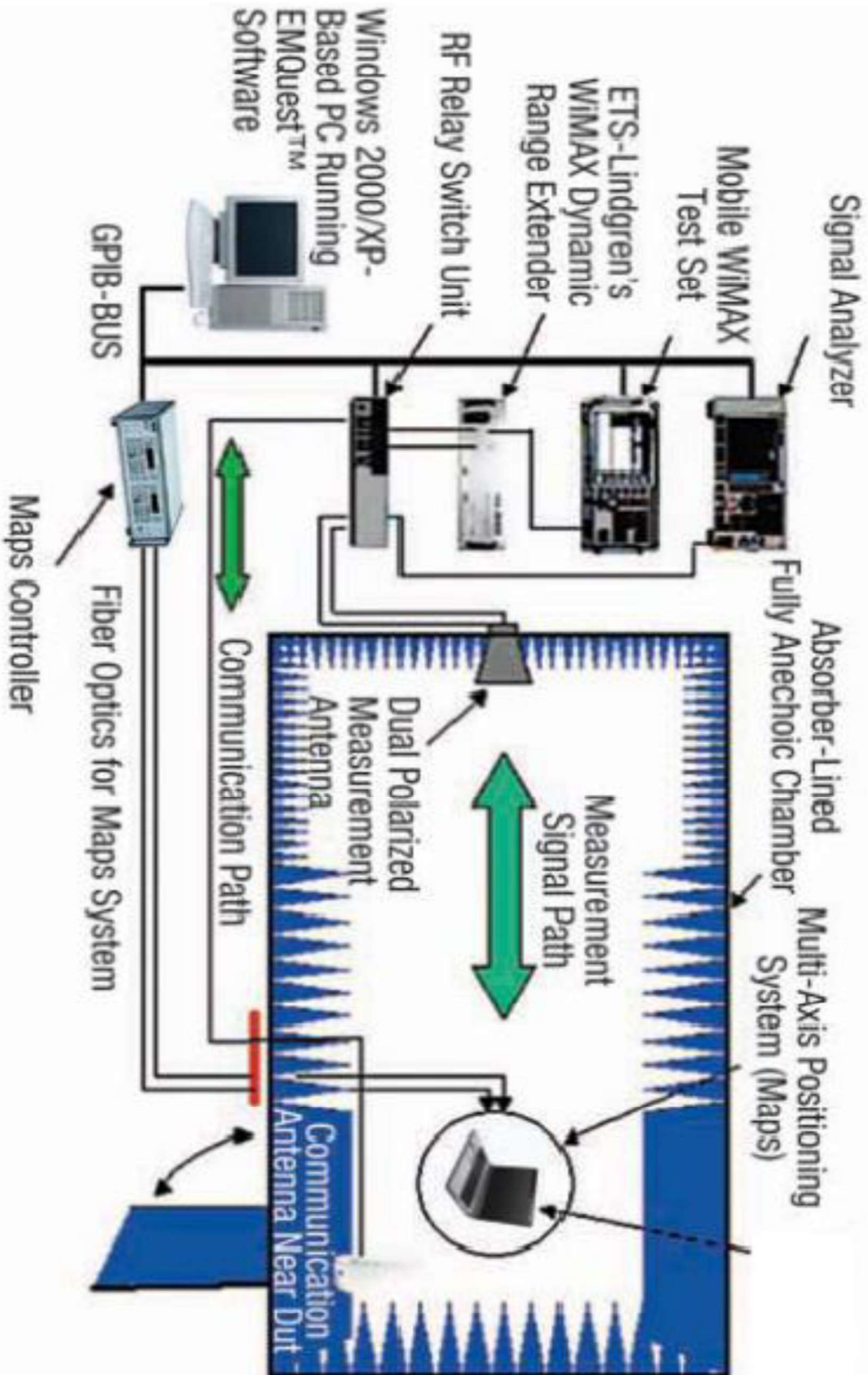
ICT P/N: LA9RF468-CS-H

APPROVED	
MANUFACTURER	CUSTOMER
<i>PREPARED BY:</i>	<i>APPROVED BY:</i>
<i>CHECK BY:</i>	
<i>APPROVED BY:</i>	

Description

Specifications

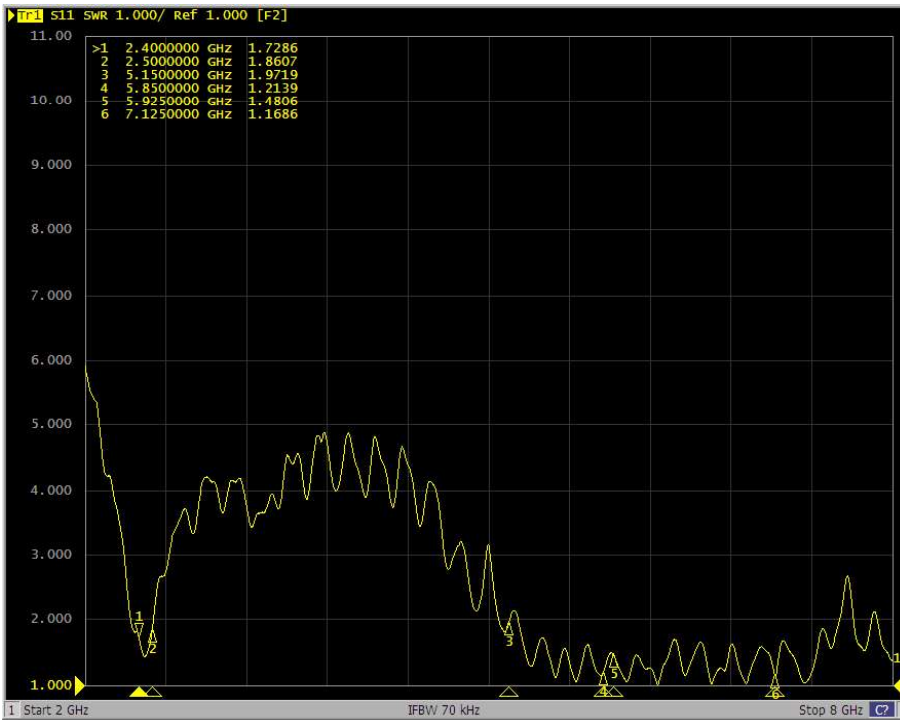
Antennas Type	PIFA Antenna	
Connector Type	IPEX Connector for 1.13 cable	
Cable Type	LOW LOSS 1.13 RF Cable	
Impedance	50Ω	
Polarization	Linear	
Radiation pattern	Omni-directional	
VSWR	2.40~2.50 GHz	5.00 Max
	5.15~7.125 GHz	
Peak gain	2.40~2.50 GHz	Aux : -0.23dBi
	5.15~5.925 GHz	Aux : 4.47dBi
	5.925~7.125GHz	Aux : 4.15dBi
Cable Loss	2.40~2.50 GHz	Aux : 1.10dB
	5.15~5.925 GHz	Aux : 1.74dB
	5.925~7.125GHz	Aux : 1.81dB
Cable length/Color	Aux : 450mm	Aux : White



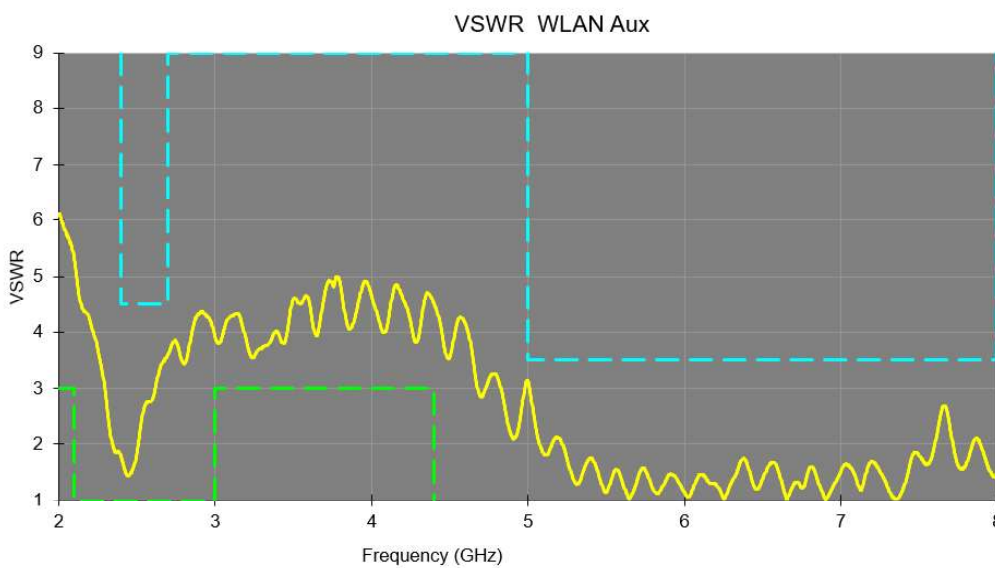
Performance Data

1. VSWR

WLAN Aux



2.SPEC

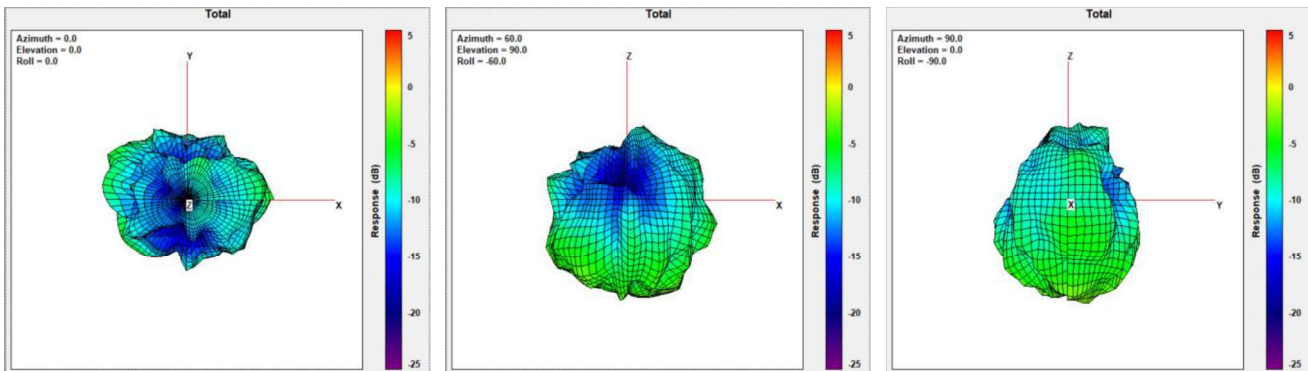


Spec:
 2.0 ~2.1 GHz < 3
 2.4 ~2.7 GHz > 4.5
 3 ~ 4.4 GHz < 3
 5 ~ 8 GHz < 3.5

WLAN Aux

Radiation pattern open mode

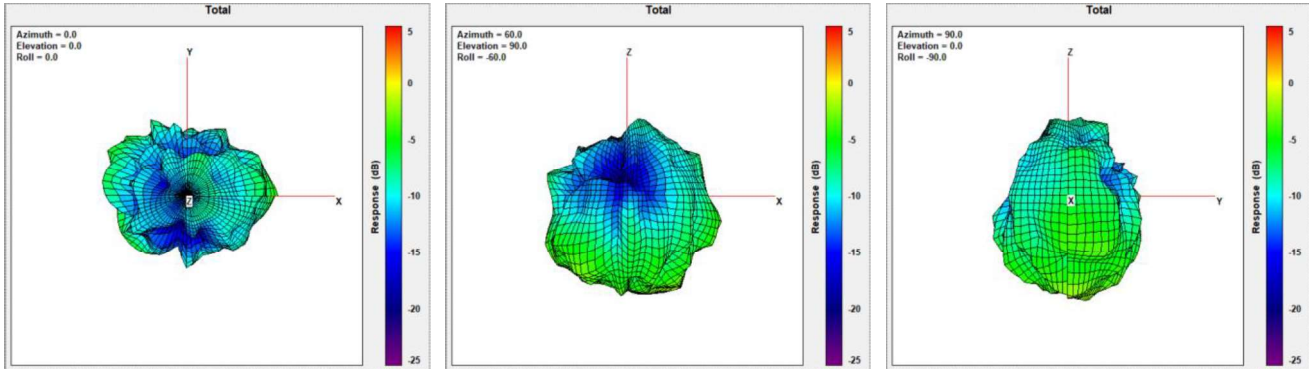
Antenna: 2400MHz



Center Frequency	2400 MHz
Three-dimensional (dBi) peak	-0.41

Radiation pattern open mode

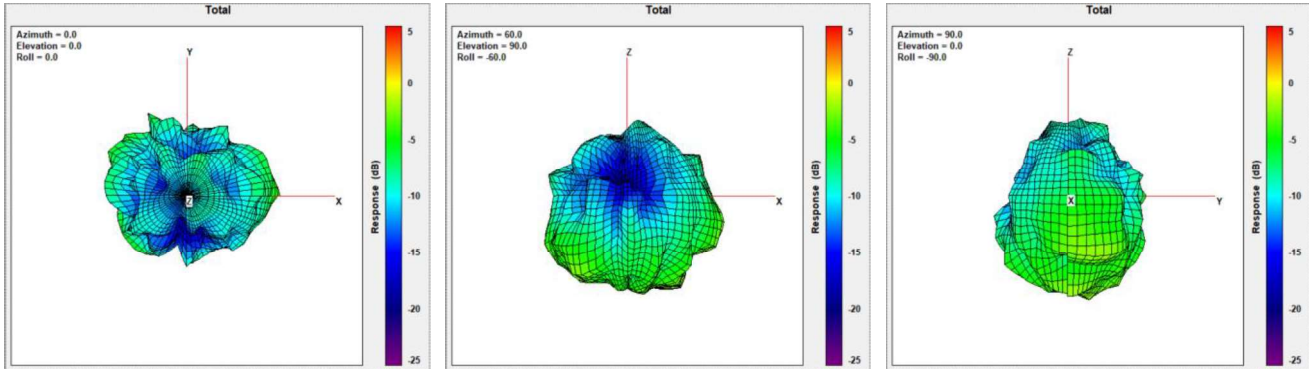
Antenna: 2412MHz



Center Frequency	2412 MHz
Three-dimensional (dBi) peak	-0.23

Radiation pattern open mode

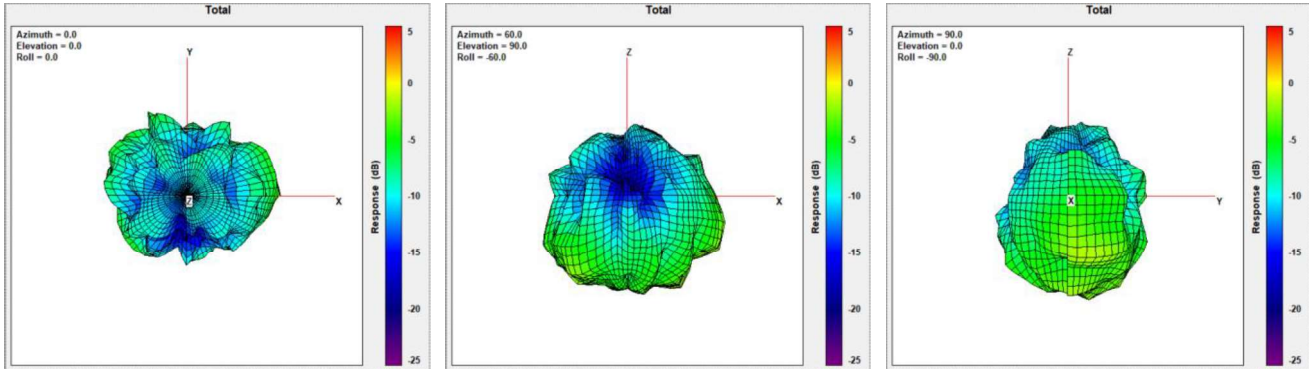
Antenna: 2437MHz



Center Frequency	2437 MHz
Three-dimensional (dBi) peak	-1.20

Radiation pattern open mode

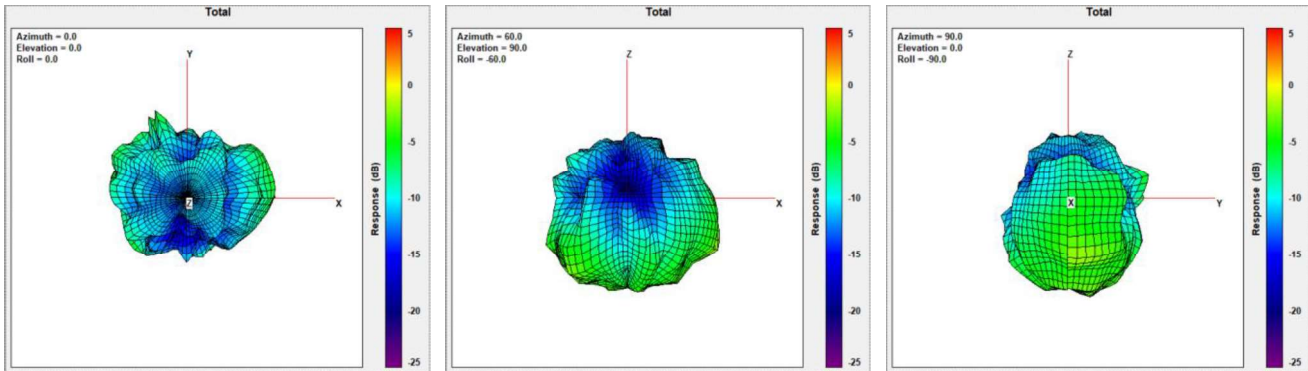
Antenna: 2462MHz



Center Frequency	2462 MHz
Three-dimensional (dBi) peak	-0.87

Radiation pattern open mode

Antenna: 2500MHz

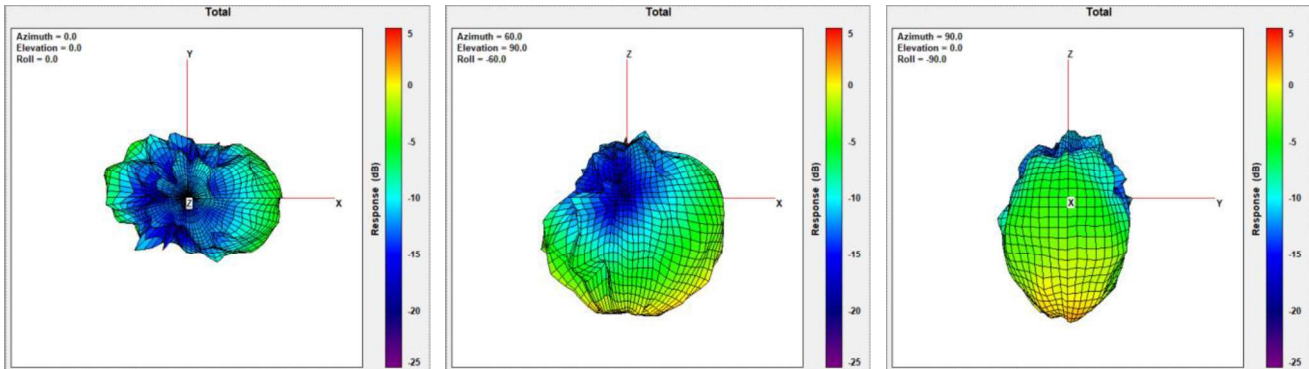


Center Frequency	2500 MHz
Three-dimensional (dBi) peak	-0.48

E

Radiation pattern open mode

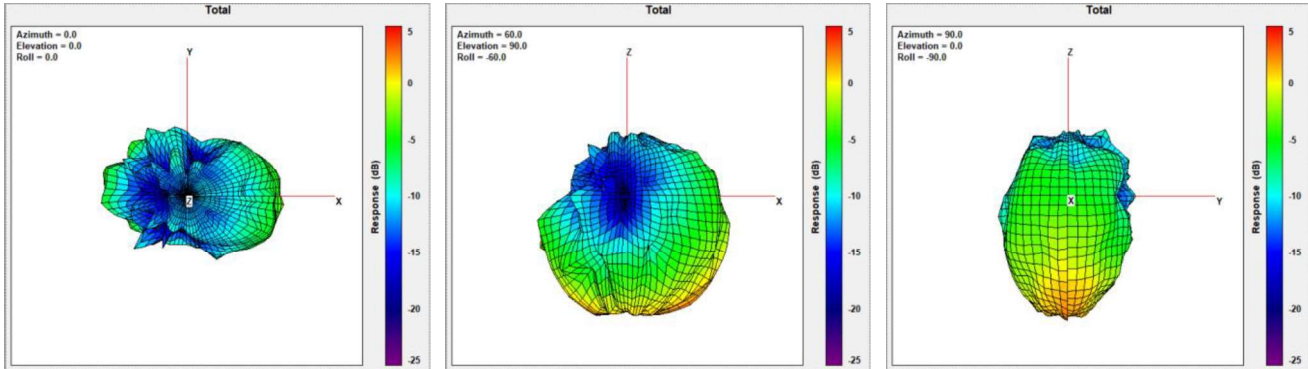
Antenna: 5150MHz



Center Frequency	5150 MHz
Three-dimensional (dBi) peak	3.14

Radiation pattern open mode

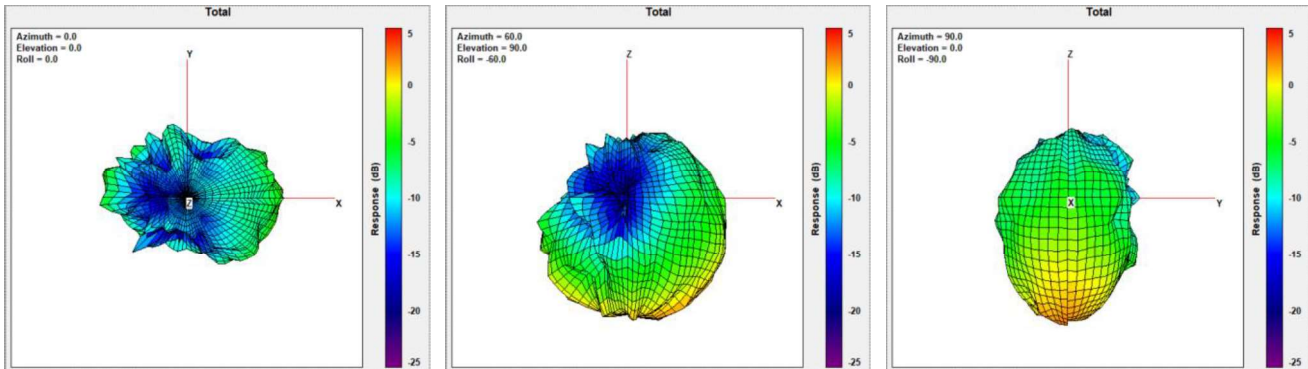
Antenna: 5250MHz



Center Frequency	5250 MHz
Three-dimensional (dBi) peak	3.46

Radiation pattern open mode

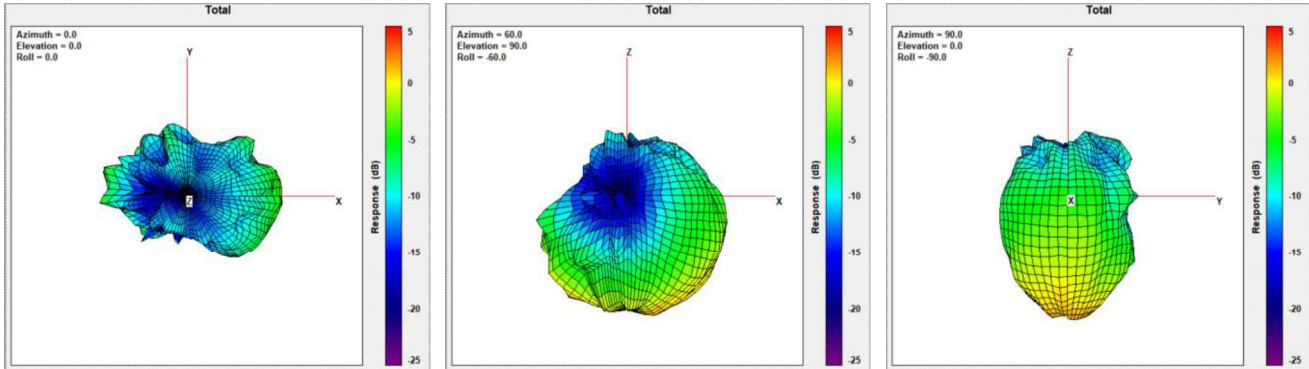
Antenna: 5350MHz



Center Frequency	5350 MHz
Three-dimensional (dBi) peak	3,26

Radiation pattern open mode

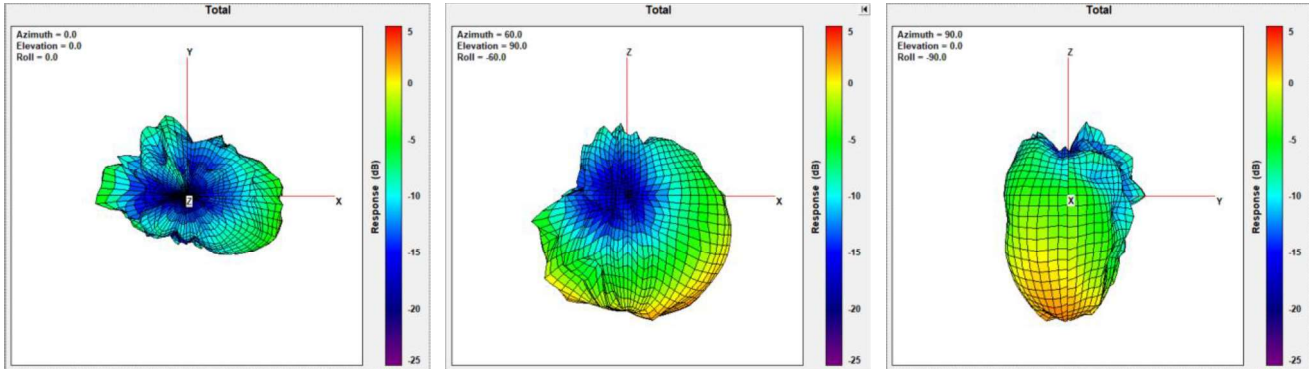
Antenna: 5470MHz



Center Frequency	5470 MHz
Three-dimensional (dBi) peak	3.68

Radiation pattern open mode

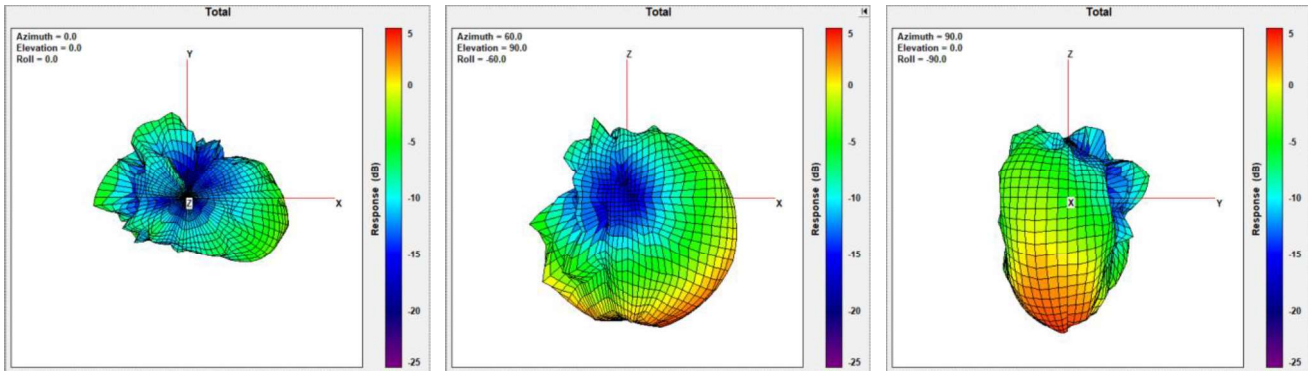
Antenna: 5600MHz



Center Frequency	5600 MHz
Three-dimensional (dBi) peak	3.90

Radiation pattern open mode

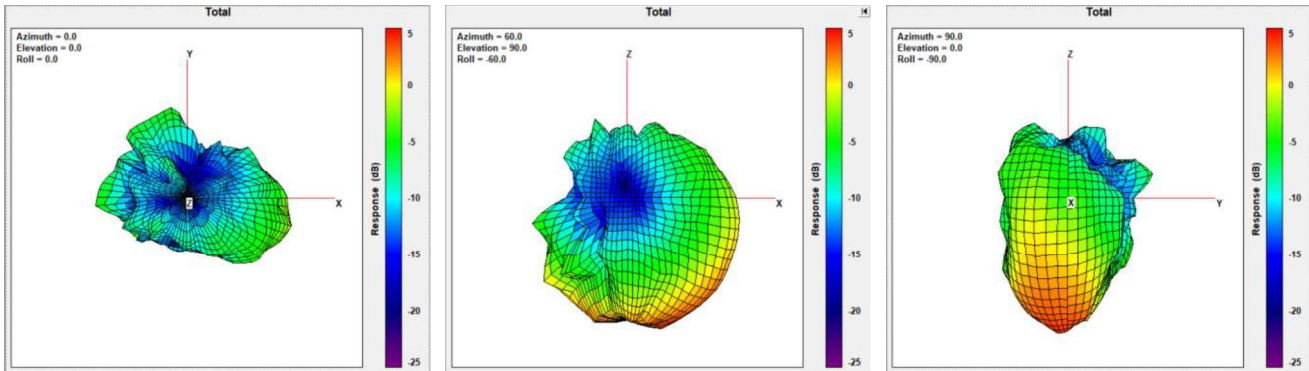
Antenna: 5725MHz



Center Frequency	5725 MHz
Three-dimensional (dBi) peak	4.46

Radiation pattern open mode

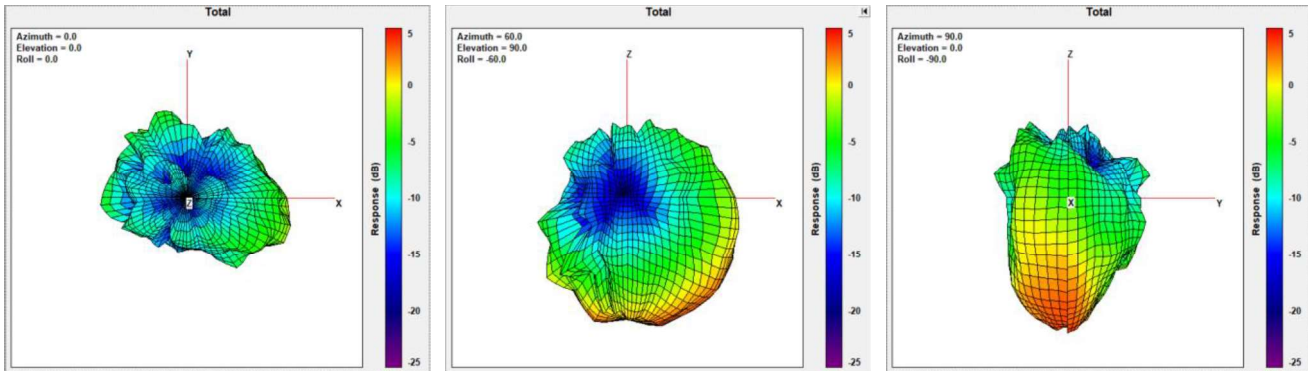
Antenna: 5785MHz



Center Frequency	5785 MHz
Three-dimensional (dBi) peak	4.42

Radiation pattern open mode

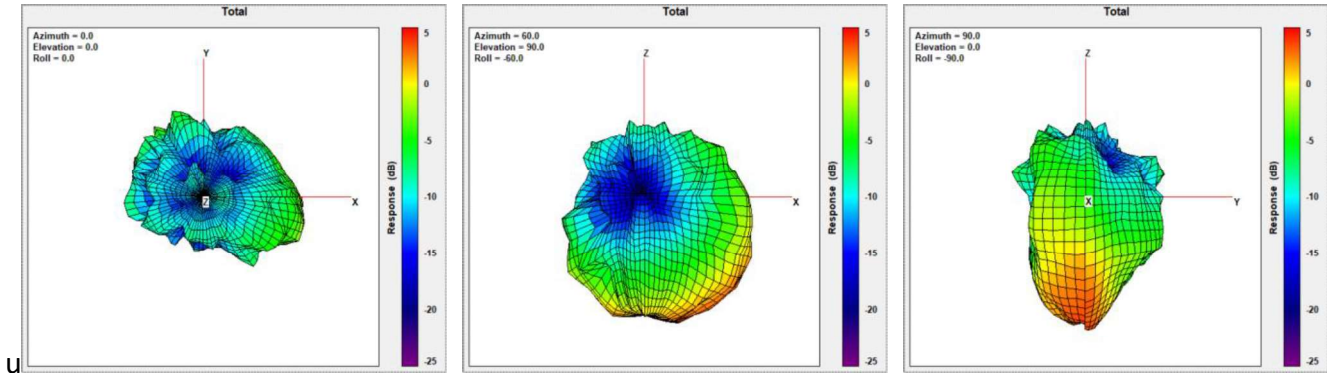
Antenna: 5850MHz



Center Frequency	5850 MHz
Three-dimensional (dBi) peak	4.45

Radiation pattern open mode

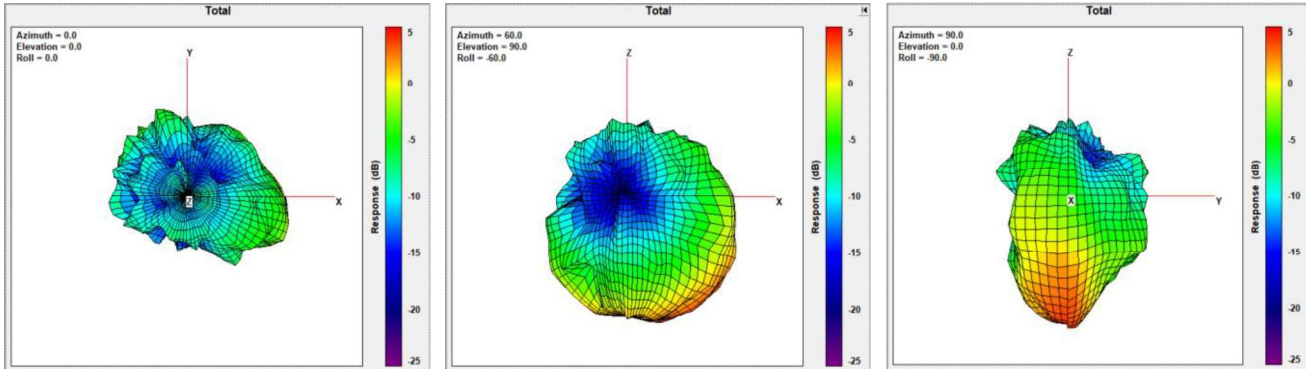
Antenna: 5895MHz



Center Frequency	5895 MHz
Three-dimensional (dBi) peak	4.47

Radiation pattern open mode

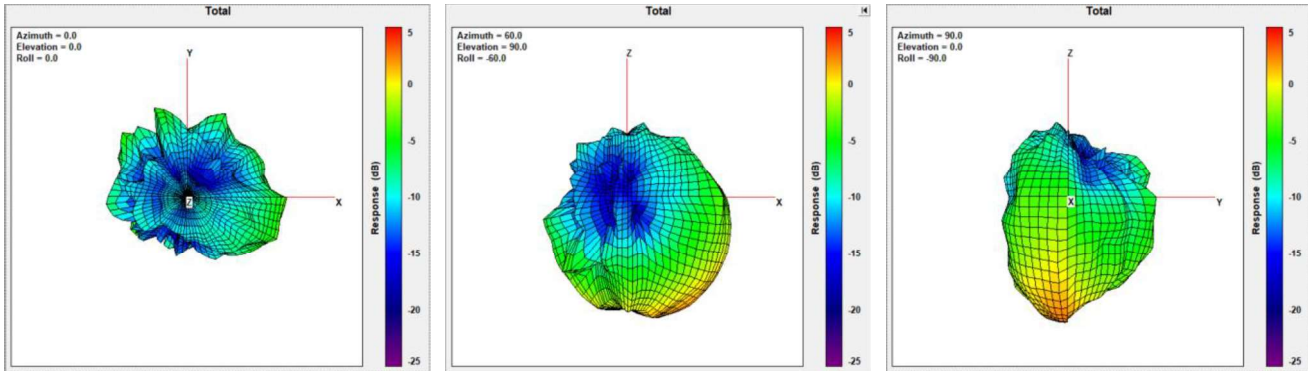
Antenna: 5925MHz



Center Frequency	5925 MHz
Three-dimensional (dBi) peak	4.15

Radiation pattern open mode

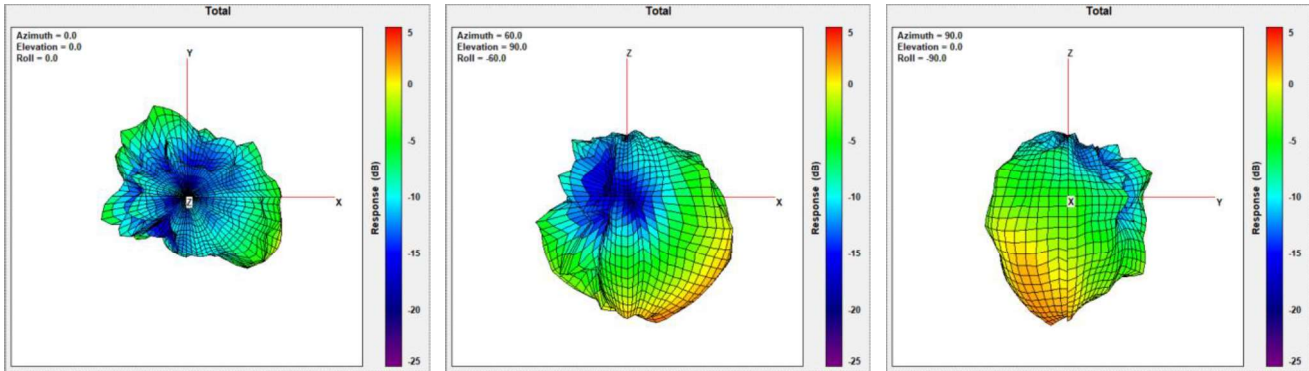
Antenna: 6125MHz



Center Frequency	6125 MHz
Three-dimensional (dBi) peak	3.59

Radiation pattern open mode

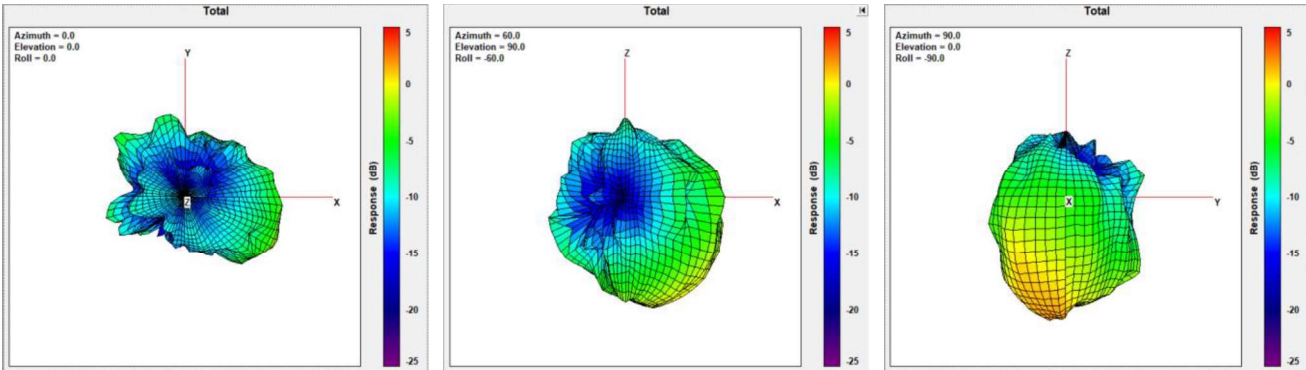
Antenna: 6425MHz



Center Frequency	6425 MHz
Three-dimensional (dBi) peak	3.27

Radiation pattern open mode

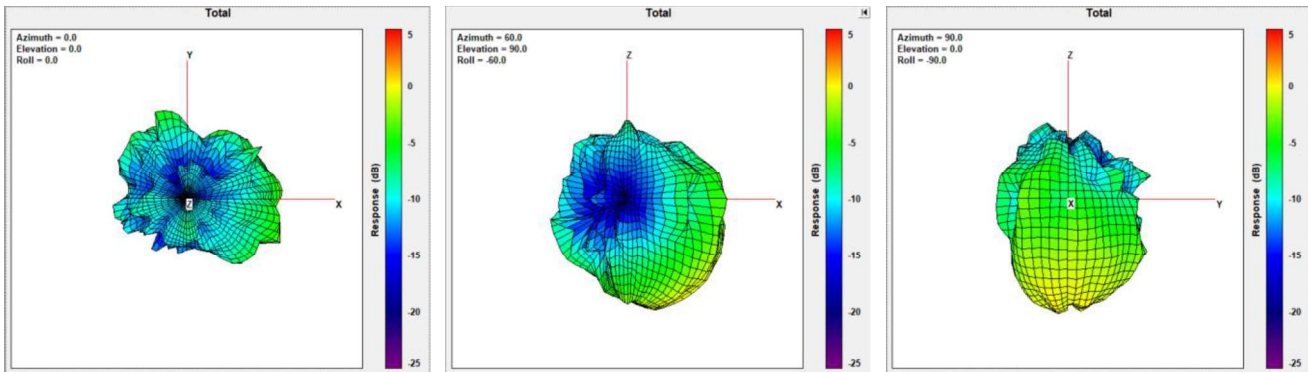
Antenna: 6525MHz



Center Frequency	6525 MHz
Three-dimensional (dBi) peak	3.32

Radiation pattern open mode

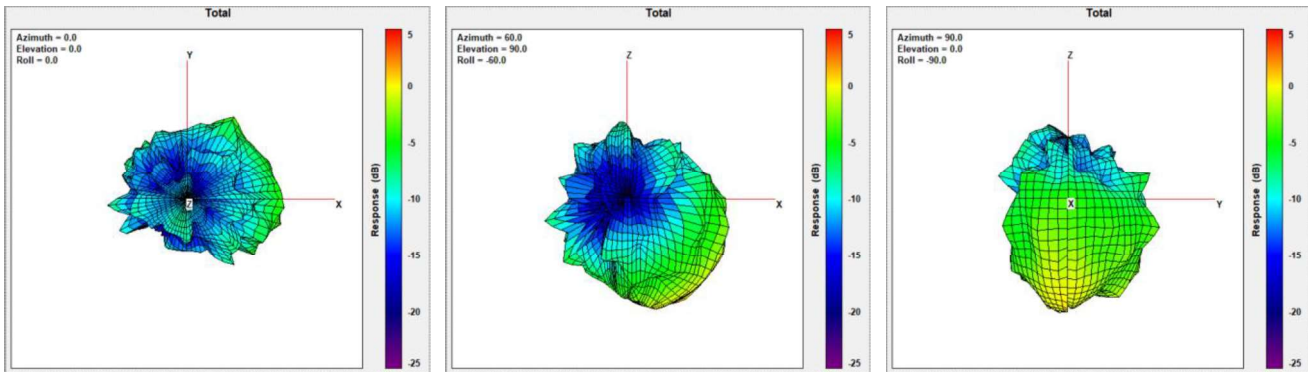
Antenna: 6725MHz



Center Frequency	6725 MHz
Three-dimensional (dBi) peak	2.19

Radiation pattern open mode

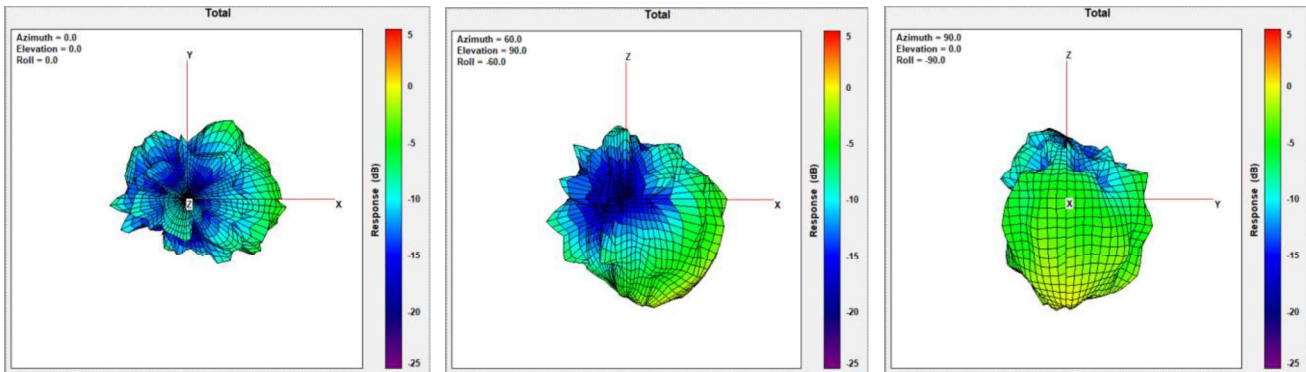
Antenna: 6875MHz



Center Frequency	6875 MHz
Three-dimensional (dBi) peak	1.83

Radiation pattern open mode

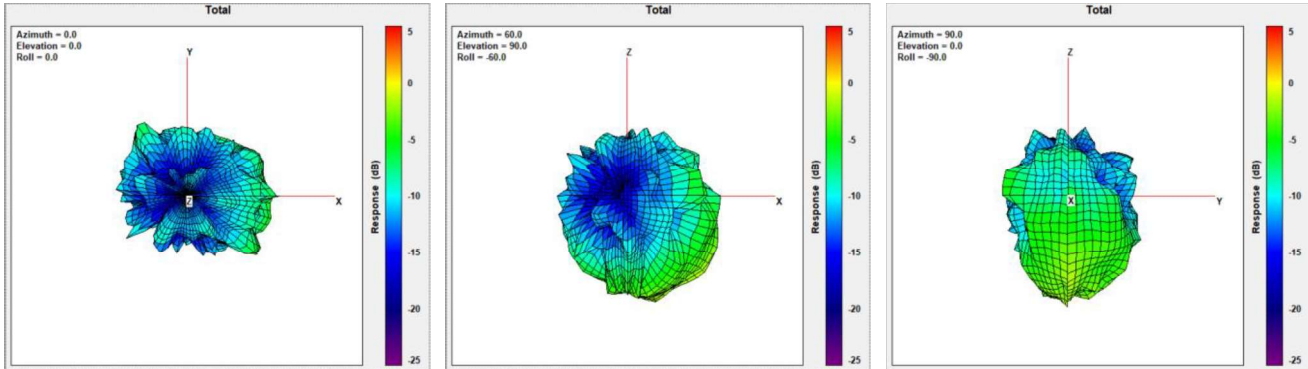
Antenna: 6925MHz



Center Frequency	6925 MHz
Three-dimensional (dBi) peak	2.24

Radiation pattern open mode

Antenna: 7125MHz



Center Frequency	7125 MHz
Three-dimensional (dBi) peak	2.46

WLAN Aux

	3D Peak Gain	3D Gain	Cable Loss
Frequency (MHz)	Total (dBi)	Efficiency {%}	Loss (dB)
2400	-0.41	16	1.08
2412	-0.23	18	1.08
2437	-1.2	19	1.09
2462	-0.87	20	1.09
2500	-0.48	16	1.10
5150	3.14	21	1.64
5250	3.46	23	1.66
5350	3.26	23	1.67
5470	3.68	21	1.69
5600	3.90	23	1.70
5725	4.46	29	1.72
5785	4.42	29	1.72
5850	4.45	28	1.73
5895	4.47	26	1.74
5925	4.15	27	1.74
6125	3.59	22	1.76
6425	3.27	25	1.78
6525	3.32	22	1.79
6725	2.19	19	1.80
6875	1.83	17	1.80
6925	2.24	16	1.80
7125	2.46	13	1.81