

# Antenna Specification

Product Model: Archer BE800(US)1.0

Version: 1.0

Manufacturer: \_\_\_\_\_

Date: \_\_\_\_\_

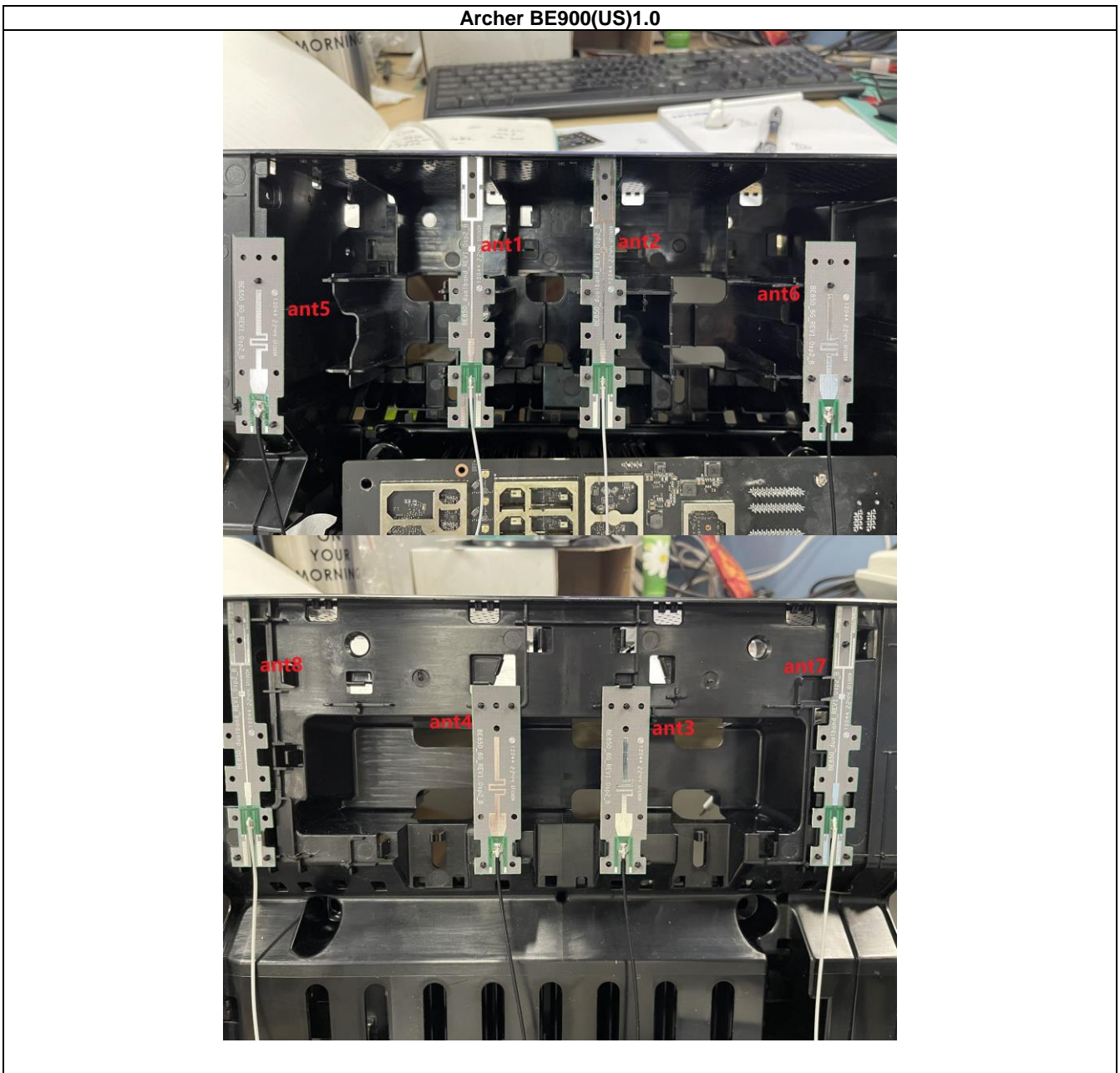
Checked By: \_\_\_\_\_

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# I. Antenna Distribution



# II. Electrical Characteristics

<b>Ant1</b>	
<b>Frequency</b>	2400~2500 & 5150~5850MHz
<b>Impedance</b>	50Ohm
<b>Antenna Type</b>	Dipole
<b>Antenna Gain</b>	2.00dBi@2400~2500MHz 3.00dBi@5150~5850MHz
<b>Radiation pattern</b>	Omni-Directional

<b>Ant2</b>	
<b>Frequency</b>	2400~2500 & 5150~5850MHz
<b>Impedance</b>	50Ohm
<b>Antenna Type</b>	Dipole

<b>Antenna Gain</b>	2.00dBi@2400~2500MHz 3.00dBi@5150~5850MHz
<b>Radiation pattern</b>	Omni-Directional

<b>Ant3</b>	
<b>Frequency</b>	2400~2500 &5150~5850MHz
<b>Impedance</b>	50Ohm
<b>Antenna Type</b>	Dipole
<b>Antenna Gain</b>	2.00dBi@2400~2500MHz 3.00dBi@5150~5850MHz
<b>Radiation pattern</b>	Omni-Directional

<b>Ant4</b>	
<b>Frequency</b>	2400~2500 &5150~5850MHz
<b>Impedance</b>	50Ohm
<b>Antenna Type</b>	Dipole
<b>Antenna Gain</b>	2.00dBi@2400~2500MHz 3.00dBi@5150~5850MHz
<b>Radiation pattern</b>	Omni-Directional

<b>Ant5</b>	
<b>Frequency</b>	5925~7125MHz
<b>Impedance</b>	50Ohm
<b>Antenna Type</b>	Dipole
<b>Antenna Gain</b>	3.00dBi@5925~7125MHz
<b>Radiation pattern</b>	Omni-Directional

<b>Ant6</b>	
<b>Frequency</b>	5925~7125MHz
<b>Impedance</b>	50Ohm
<b>Antenna Type</b>	Dipole
<b>Antenna Gain</b>	3.00dBi@5925~7125MHz
<b>Radiation pattern</b>	Omni-Directional

<b>Ant7</b>	
<b>Frequency</b>	5925~7125MHz
<b>Impedance</b>	50Ohm
<b>Antenna Type</b>	Dipole
<b>Antenna Gain</b>	3.00dBi@5925~7125MHz
<b>Radiation pattern</b>	Omni-Directional

<b>Ant8</b>	
<b>Frequency</b>	5925~7125MHz
<b>Impedance</b>	50Ohm
<b>Antenna Type</b>	Dipole
<b>Antenna Gain</b>	3.00dBi@5925~7125MHz
<b>Radiation pattern</b>	Omni-Directional

### III. Antenna Peak Gain

Ant1											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	1.98	2.00	1.93	1.89	1.86	1.77	1.75	1.43	1.37	1.27	1.22
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	0.59	1.25	0.45	1.00	1.54	2.60	2.71	3.00	2.62	1.51	1.17
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	1.38	2.12	1.88	1.73							

Ant2											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	1.42	1.56	1.71	1.78	1.66	1.47	1.48	1.21	1.50	1.94	2.00
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	2.11	2.33	1.34	1.39	1.57	1.25	1.83	2.88	2.77	2.77	3.00
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	2.69	2.53	1.67	1.24							

Ant3											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	1.78	1.88	2.00	1.97	1.89	1.87	1.78	1.57	1.33	1.31	1.27
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	1.32	2.77	2.98	2.40	2.70	2.54	2.18	1.68	3.00	2.81	1.66
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	1.59	1.76	1.77	1.21							

Ant4											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	1.33	1.27	1.36	1.31	1.43	1.42	1.37	1.23	1.64	1.93	2.00
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	1.89	2.85	3.00	2.38	2.37	2.30	1.55	2.06	2.43	1.99	1.62
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	1.96	1.83	0.32	0.75							

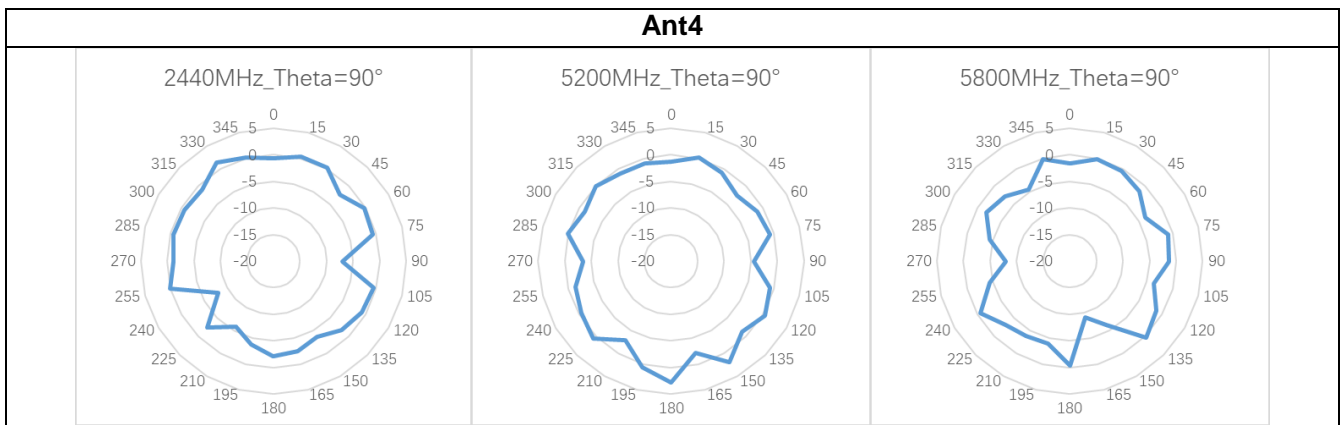
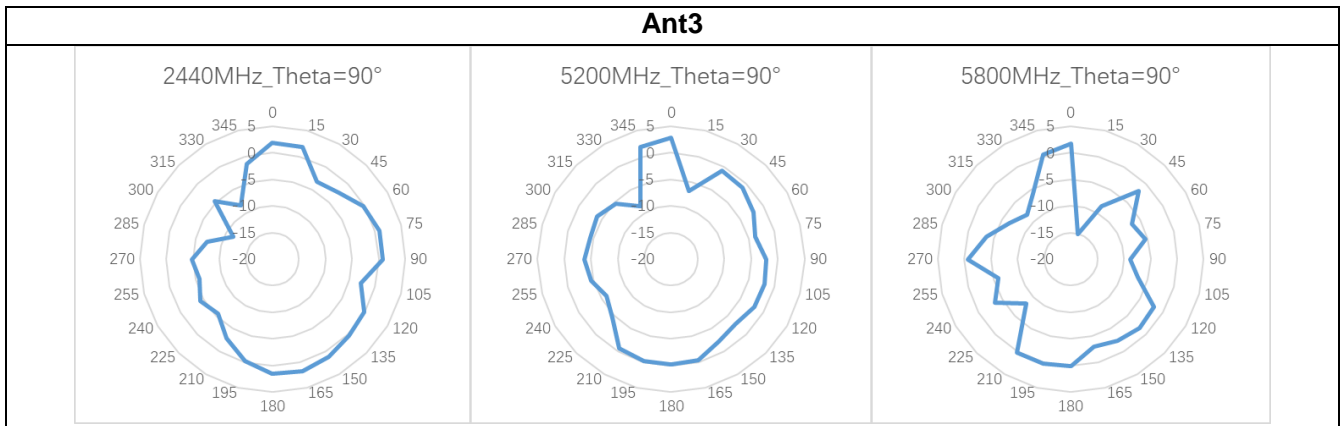
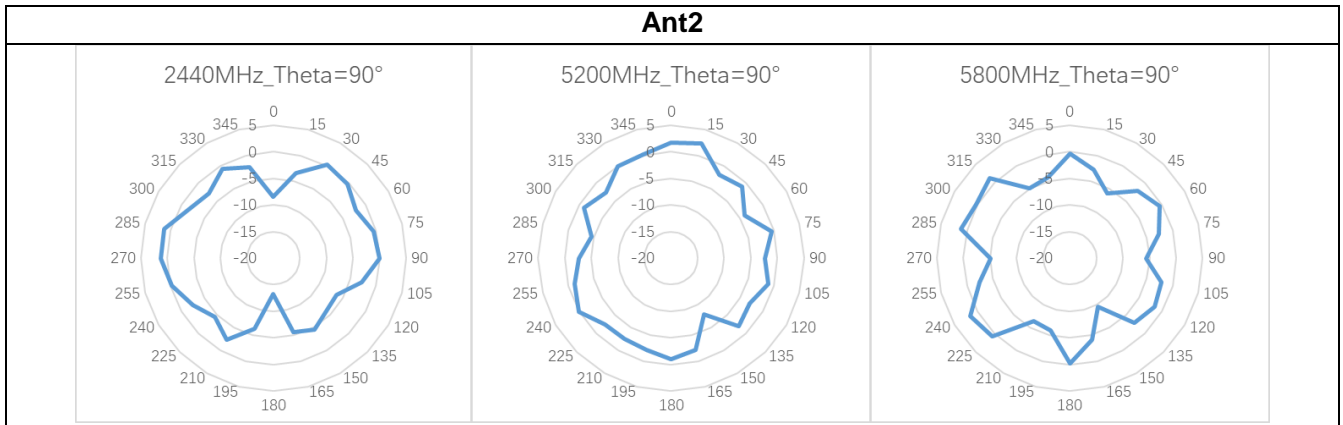
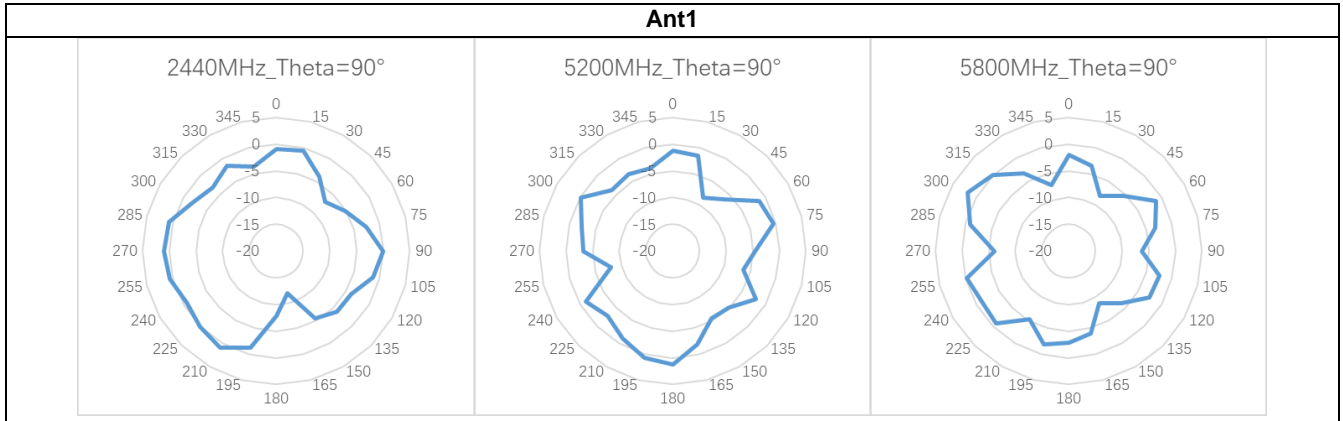
Ant5													
Frequency(MHz)	5925	5975	6025	6075	6125	6175	6225	6275	6325	6375	6425	6475	6525
Gain(dBi)	1.26	1.29	1.35	2.46	2.71	2.93	3.00	2.66	2.66	2.06	2.18	2.14	2.05
Frequency(MHz)	6575	6625	6675	6725	6775	6825	6875	6925	6975	7025	7075	7125	
Gain(dBi)	2.36	1.96	2.49	2.18	1.81	1.34	0.84	0.52	0.80	0.36	0.26	-0.14	

Ant6													
Frequency(MHz)	5925	5975	6025	6075	6125	6175	6225	6275	6325	6375	6425	6475	6525
Gain(dBi)	1.97	1.80	1.59	2.05	1.89	2.20	1.82	1.63	1.45	0.85	1.17	1.13	0.79
Frequency(MHz)	6575	6625	6675	6725	6775	6825	6875	6925	6975	7025	7075	7125	
Gain(dBi)	1.72	1.68	1.95	2.31	3.00	2.85	2.72	2.24	2.35	1.86	0.63	0.36	

<b>Ant7</b>													
<b>Frequency(MHz)</b>	<b>5925</b>	<b>5975</b>	<b>6025</b>	<b>6075</b>	<b>6125</b>	<b>6175</b>	<b>6225</b>	<b>6275</b>	<b>6325</b>	<b>6375</b>	<b>6425</b>	<b>6475</b>	<b>6525</b>
<b>Gain(dBi)</b>	3.00	1.89	1.21	1.39	1.96	2.38	2.23	2.16	2.12	1.74	1.97	1.90	1.34
<b>Frequency(MHz)</b>	<b>6575</b>	<b>6625</b>	<b>6675</b>	<b>6725</b>	<b>6775</b>	<b>6825</b>	<b>6875</b>	<b>6925</b>	<b>6975</b>	<b>7025</b>	<b>7075</b>	<b>7125</b>	
<b>Gain(dBi)</b>	1.60	2.25	1.96	1.19	1.29	0.93	0.06	1.02	2.00	1.40	0.67	0.73	

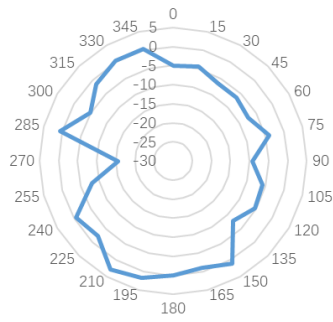
<b>Ant8</b>													
<b>Frequency(MHz)</b>	<b>5925</b>	<b>5975</b>	<b>6025</b>	<b>6075</b>	<b>6125</b>	<b>6175</b>	<b>6225</b>	<b>6275</b>	<b>6325</b>	<b>6375</b>	<b>6425</b>	<b>6475</b>	<b>6525</b>
<b>Gain(dBi)</b>	2.97	2.32	1.45	2.07	2.16	2.20	2.04	2.38	1.99	1.62	2.58	2.28	1.70
<b>Frequency(MHz)</b>	<b>6575</b>	<b>6625</b>	<b>6675</b>	<b>6725</b>	<b>6775</b>	<b>6825</b>	<b>6875</b>	<b>6925</b>	<b>6975</b>	<b>7025</b>	<b>7075</b>	<b>7125</b>	
<b>Gain(dBi)</b>	1.69	1.94	1.64	1.18	1.74	1.64	2.10	2.46	3.00	2.91	2.67	2.39	

# IV. Antenna Radiation Pattern

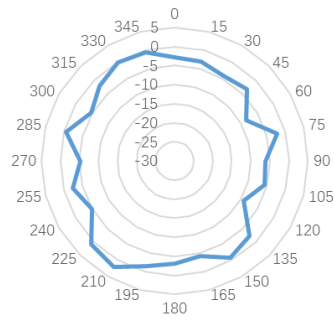


### Ant5

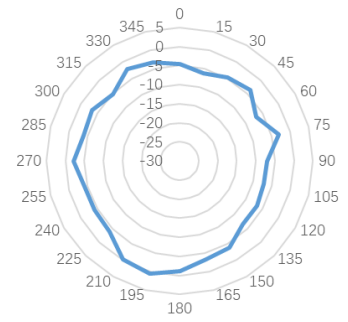
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6525MHz\_Theta=90°

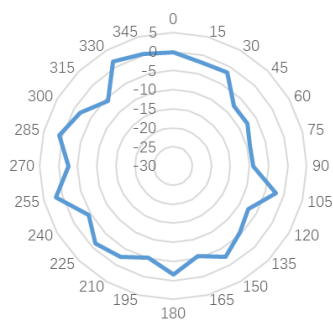


6925MHz\_Theta=90°

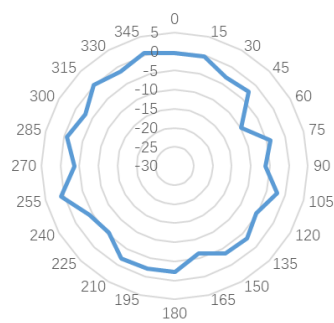


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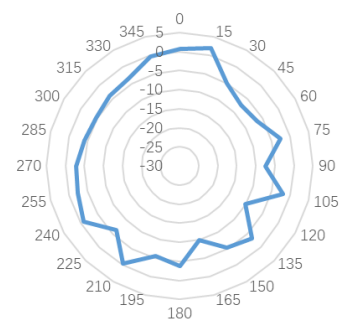
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6525MHz\_Theta=90°

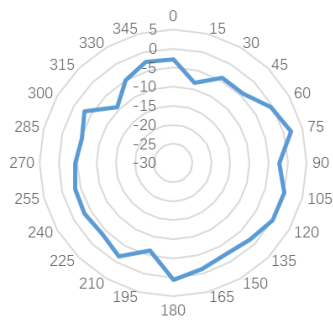


6925MHz\_Theta=90°

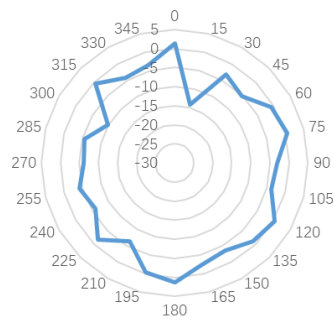


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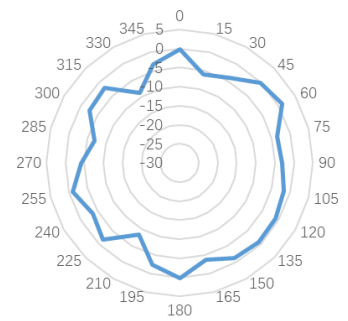
6125MHz\_Theta=90°



6525MHz\_Theta=90°

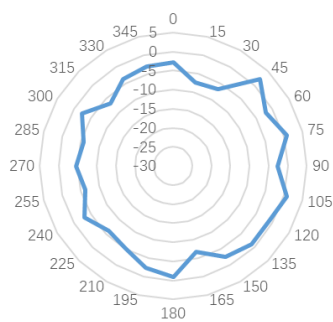


6925MHz\_Theta=90°

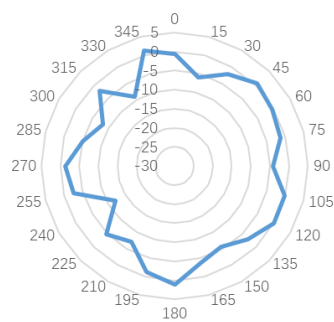


### Ant8

6125MHz\_Theta=90°



6525MHz\_Theta=90°



6925MHz\_Theta=90°

