

Antenna Specification

Product Model: Archer BE805(US)

Version: 1.0

Manufacturer: _____

Date: _____

Checked By: _____

TP-Link Corporation Limited

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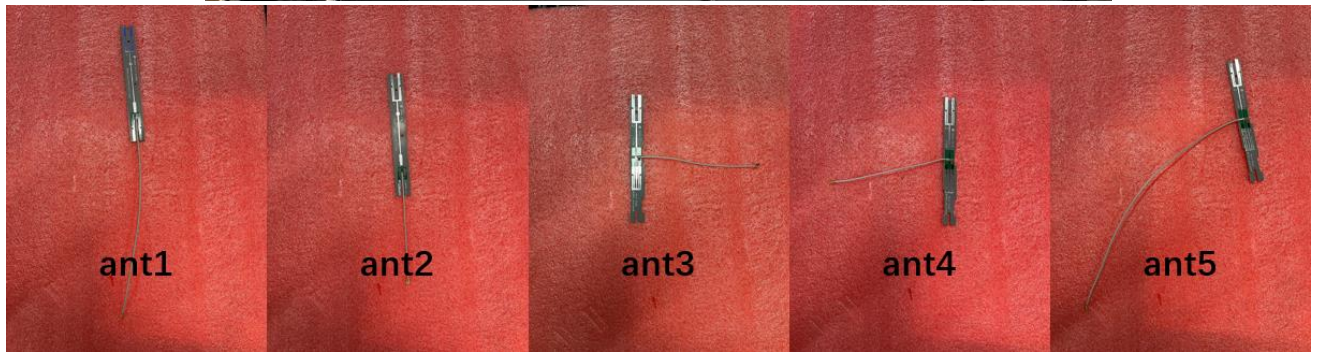
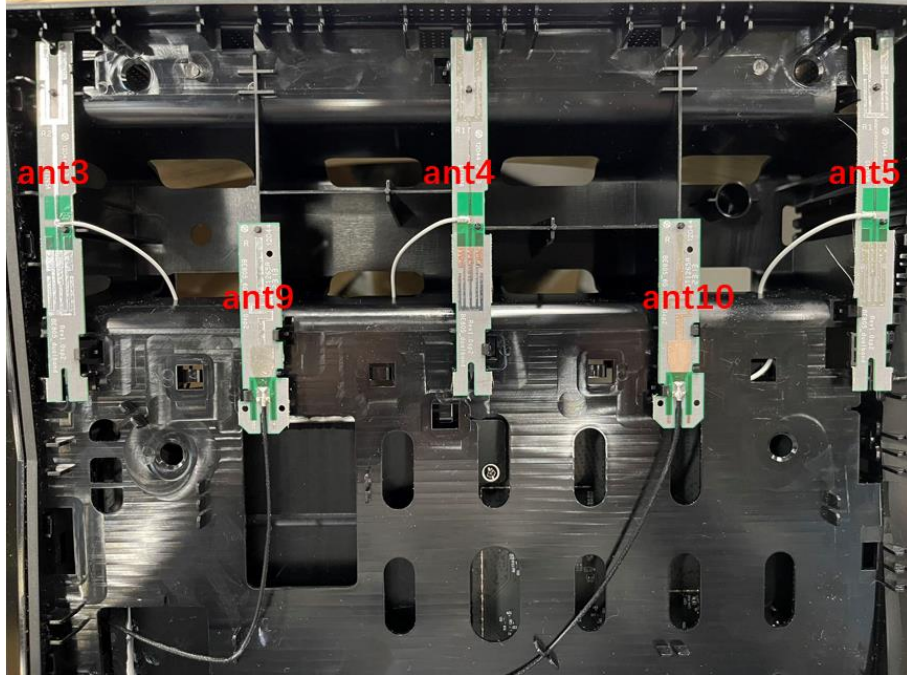
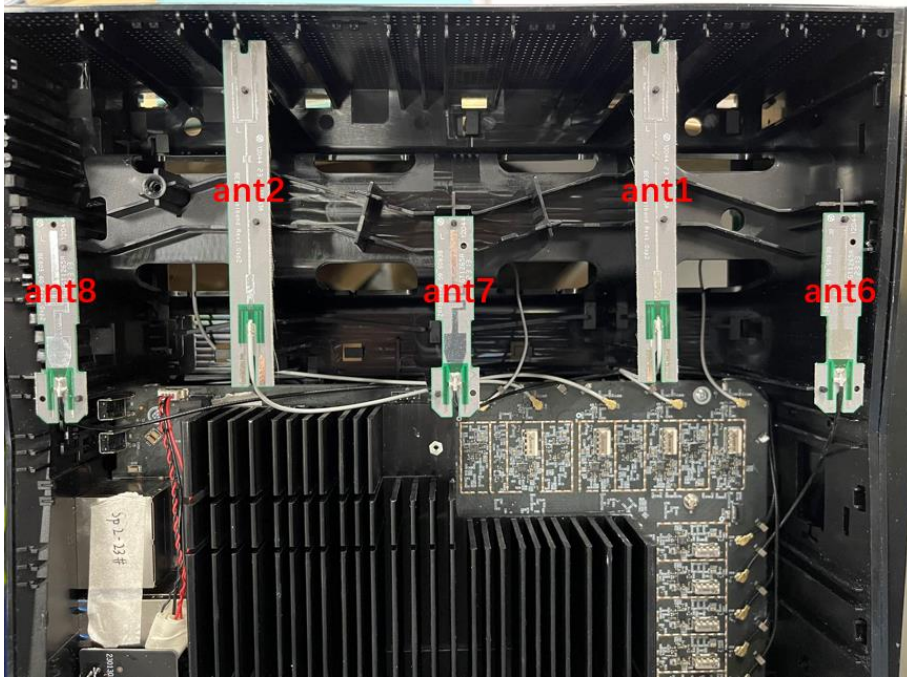
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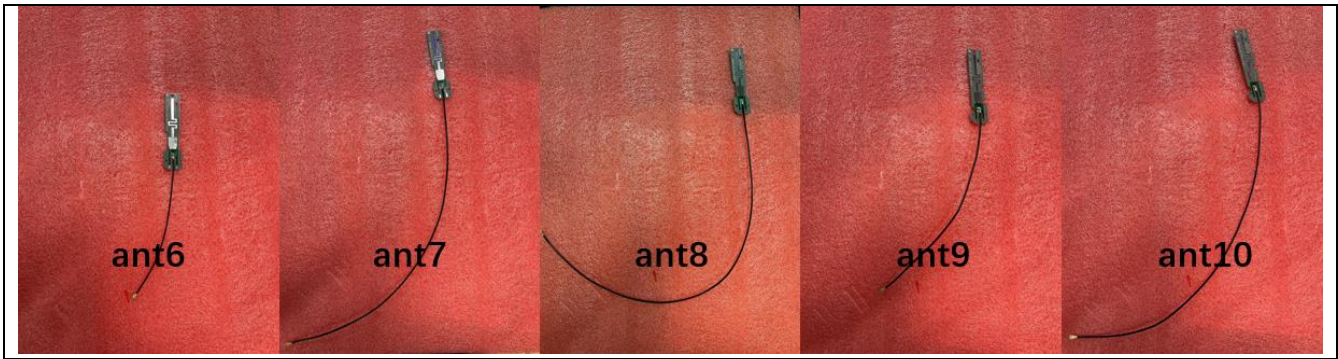
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I. Antenna Distribution

Archer BE805(US)





II. Electrical Characteristics

Ant1	
Frequency	2400~2500 & 5150~5850MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	1.00dBi@2400~2500MHz 2.00dBi@5150~5850MHz
Radiation pattern	Omni-Directional

Ant2	
Frequency	2400~2500 & 5150~5850MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	1.00dBi@2400~2500MHz 2.00dBi@5150~5850MHz
Radiation pattern	Omni-Directional

Ant3	
Frequency	2400~2500 & 5150~5850MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	1.00dBi@2400~2500MHz 2.00dBi@5150~5850MHz
Radiation pattern	Omni-Directional

Ant4	
Frequency	2400~2500 & 5150~5850MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	1.00dBi@2400~2500MHz 2.00dBi@5150~5850MHz
Radiation pattern	Omni-Directional

Ant5	
Frequency	2400~2500 & 5150~5850MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	1.00dBi@2400~2500MHz 2.00dBi@5150~5850MHz
Radiation pattern	Omni-Directional

Ant6	
Frequency	5925~7125MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	2.00dBi@5925~7125MHz
Radiation pattern	Omni-Directional

Ant7	
Frequency	5925~7125MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	2.00dBi@5925~7125MHz
Radiation pattern	Omni-Directional

Ant8	
Frequency	5925~7125MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	2.00dBi@5925~7125MHz
Radiation pattern	Omni-Directional

Ant9	
Frequency	5925~7125MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	2.00dBi@5925~7125MHz
Radiation pattern	Omni-Directional

Ant10	
Frequency	5925~7125MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	2.00dBi@5925~7125MHz
Radiation pattern	Omni-Directional

III. Antenna Peak Gain

Ant1											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	0.50	0.48	0.36	0.74	1.00	0.90	0.54	0.65	0.75	0.75	0.70
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	0.49	0.78	1.29	2.00	1.65	1.92	1.25	1.12	1.27	1.14	1.03
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	0.86	1.38	1.36	0.93							

Ant2											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	-0.11	0.01	0.25	0.35	0.38	0.42	0.75	0.94	1.00	0.88	0.69
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	0.86	0.91	0.65	0.63	1.09	2.00	1.98	1.16	1.20	0.52	1.05
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	0.69	0.80	0.95	0.76							

Ant3											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	0.49	0.39	0.56	0.68	0.92	1.00	0.94	0.91	0.91	0.92	0.75
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	-1.46	-0.79	-0.60	0.05	-0.22	0.09	0.60	0.50	1.09	1.64	1.51
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	2.00	1.66	0.81	0.72							

Ant4											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	-0.08	-0.24	-0.66	-1.21	-1.76	-0.80	-0.06	0.45	0.72	0.90	1.00
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	-0.99	-0.68	0.51	2.00	1.91	1.99	1.68	1.33	1.62	0.95	0.65
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	0.83	0.69	1.47	0.97							

Ant5											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	-0.90	-0.79	-0.56	-0.25	0.16	0.46	0.44	0.67	0.81	1.00	0.83
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	-0.69	-0.23	-0.97	-0.23	0.90	1.45	1.58	1.33	1.99	2.00	0.53
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	0.53	0.39	-0.31	0.10							

Ant6													
Frequency(MHz)	5925	5975	6025	6075	6125	6175	6225	6275	6325	6375	6425	6475	6525
Gain(dBi)	1.09	0.03	0.27	1.16	1.08	1.47	0.53	0.70	1.45	1.53	1.39	1.02	0.45
Frequency(MHz)	6575	6625	6675	6725	6775	6825	6875	6925	6975	7025	7075	7125	
Gain(dBi)	1.59	2.00	1.93	0.97	1.15	0.93	0.04	-0.82	-1.25	-0.92	-0.55	-0.45	

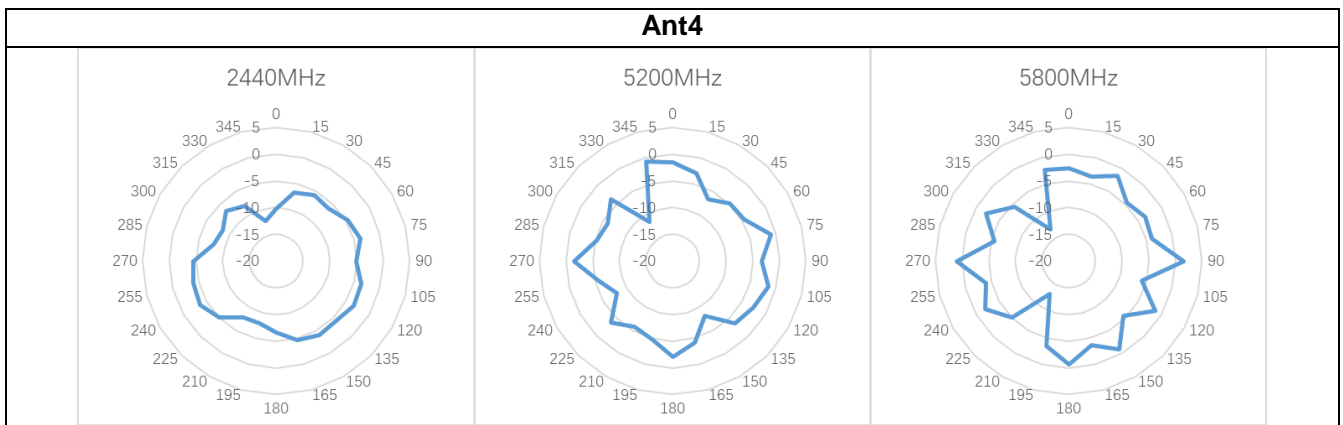
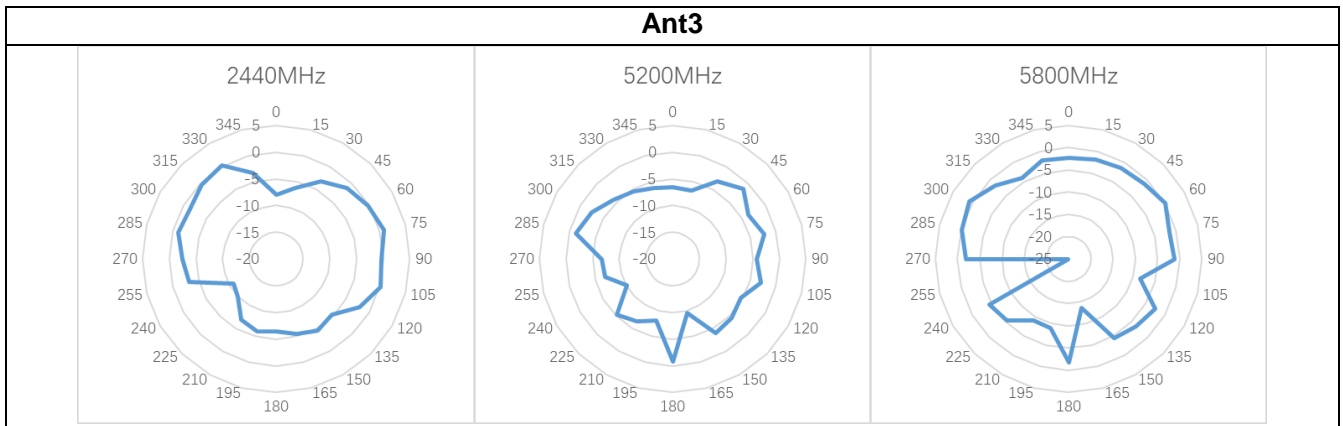
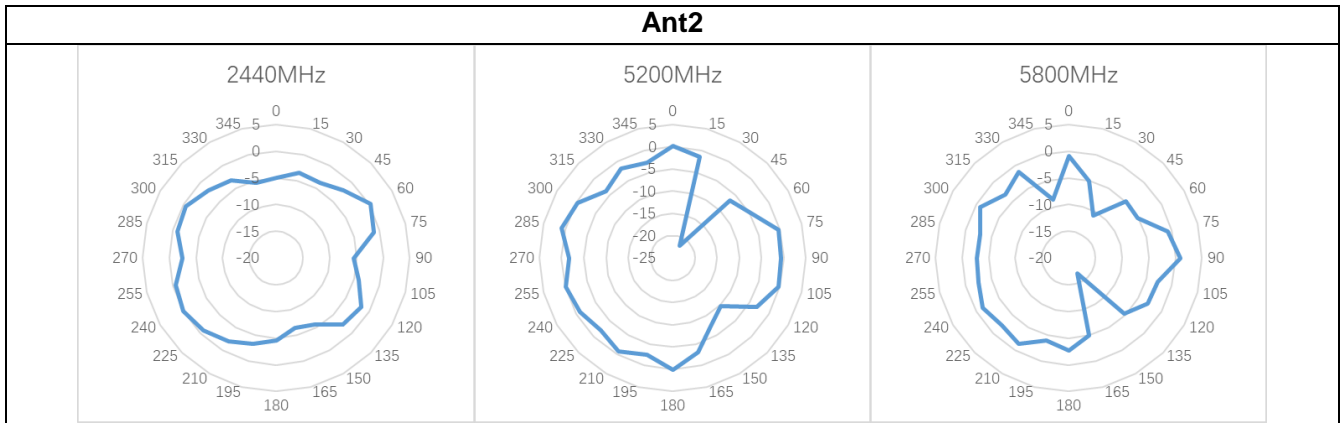
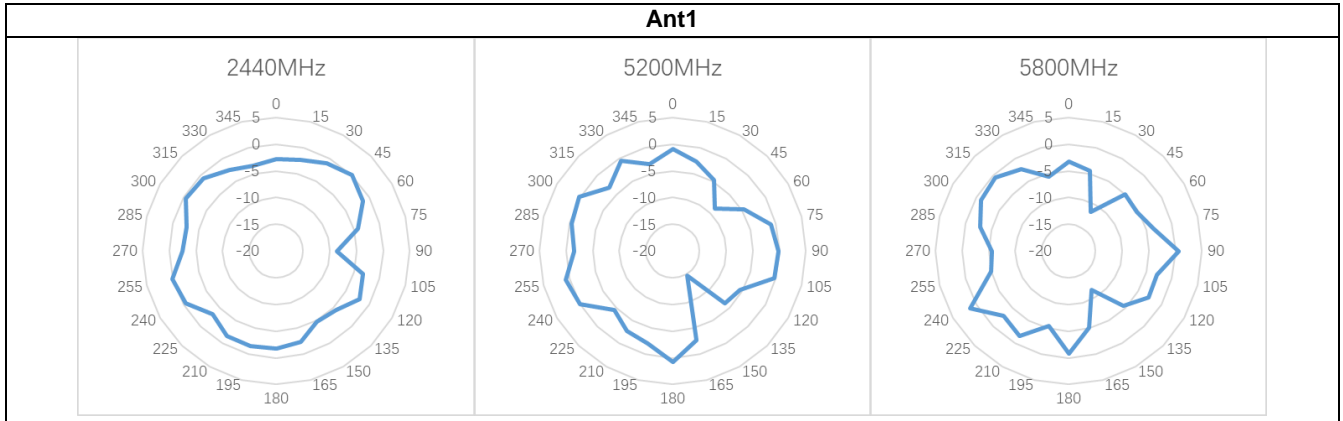
Ant7													
Frequency(MHz)	5925	5975	6025	6075	6125	6175	6225	6275	6325	6375	6425	6475	6525
Gain(dBi)	-0.05	0.50	-0.03	0.48	1.08	0.99	0.96	1.34	1.99	2.00	1.84	1.13	0.39
Frequency(MHz)	6575	6625	6675	6725	6775	6825	6875	6925	6975	7025	7075	7125	
Gain(dBi)	0.15	0.18	0.69	0.39	0.81	0.77	0.15	0.19	0.58	1.03	0.84	0.58	

Ant8													
Frequency(MHz)	5925	5975	6025	6075	6125	6175	6225	6275	6325	6375	6425	6475	6525
Gain(dBi)	-0.30	-0.27	0.23	0.88	0.93	0.84	0.17	0.61	1.52	1.54	1.22	-0.08	0.24
Frequency(MHz)	6575	6625	6675	6725	6775	6825	6875	6925	6975	7025	7075	7125	
Gain(dBi)	1.45	1.70	2.00	0.81	-0.42	-0.27	0.22	-0.54	-1.49	-1.49	-1.65	-1.68	

Ant9													
Frequency(MHz)	5925	5975	6025	6075	6125	6175	6225	6275	6325	6375	6425	6475	6525
Gain(dBi)	0.04	0.41	-0.23	-0.10	-0.35	0.52	0.76	1.50	2.00	1.40	0.33	0.08	0.75
Frequency(MHz)	6575	6625	6675	6725	6775	6825	6875	6925	6975	7025	7075	7125	
Gain(dBi)	1.14	0.34	0.07	0.10	0.40	0.52	-0.32	-1.97	-1.82	-1.00	-0.27	-0.43	

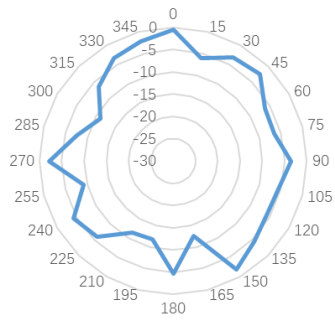
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Frequency(MHz)	5925	5975	6025	6075	6125	6175	6225	6275	6325	6375	6425	6475	6525
Gain(dBi)	-0.10	0.20	0.45	0.90	0.09	0.81	1.69	1.99	2.00	1.15	1.17	0.74	0.06
Frequency(MHz)	6575	6625	6675	6725	6775	6825	6875	6925	6975	7025	7075	7125	
Gain(dBi)	0.00	-0.89	-0.6	-0.48	-0.24	-0.26	0.44	-0.35	-0.63	-0.65	-0.48	-0.26	

IV. Antenna Radiation Pattern

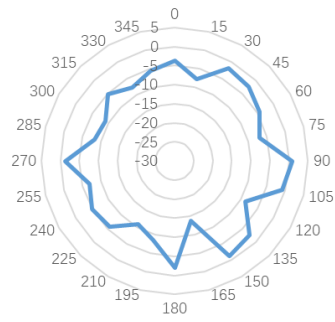


Ant9

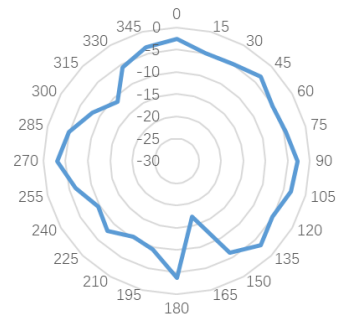
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6525MHz

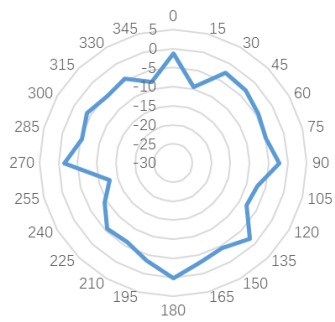


6925MHz

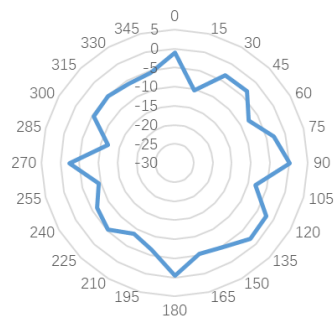


Ant10

6125MHz



6525MHz



6925MHz

