

Antenna Specification

Product Model: Deco X50-Outdoor(US)1.0

Version: 1.0

Date: _____

Checked By: _____

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I. Antenna Distribution

Deco X50-Outdoor(US)1.0



ANT1

ANT2

ANT3

ANT4

II. Electrical Characteristics

Ant1	
Frequency	2400~2500MHz & 5150~5850MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	1.98dBi@2400~2500MHz 0.99dBi@5150~5850MHz
Radiation pattern	Omni-Directional

Ant2	
Frequency	2400~2500MHz & 5150~5850MHz
Impedance	50Ohm
Antenna Type	Alford
Antenna Gain	1.95dBi@2400~2500MHz 0.96dBi@5150~5850MHz
Radiation pattern	Omni-Directional

Ant3	
Frequency	2400~2500MHz & 5150~5850MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	1.97dBi@2400~2500MHz 0.94dBi@5150~5850MHz
Radiation pattern	Omni-Directional

Ant4	
Frequency	2400~2500MHz & 5150~5850MHz
Impedance	50Ohm
Antenna Type	Alford
Antenna Gain	1.93dBi@2400~2500MHz 0.97dBi@5150~5850MHz
Radiation pattern	Omni-Directional

III. Antenna Peak Gain

Ant1											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	1.83	1.86	1.82	1.84	1.85	1.80	1.79	1.91	1.89	1.83	1.98
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	0.94	0.96	0.99	0.94	0.95	0.94	0.93	0.89	0.95	0.89	0.88
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	0.96	0.92	0.94	0.90							

Ant2											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	1.85	1.86	1.82	1.82	1.83	1.89	1.87	1.90	1.95	1.88	1.94
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	0.96	0.91	0.92	0.91	0.93	0.87	0.88	0.90	0.91	0.84	0.87
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	0.89	0.95	0.85	0.96							

Ant3											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	1.89	1.88	1.94	1.97	1.94	1.96	1.88	1.84	1.90	1.86	1.92
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	0.89	0.92	0.87	0.91	0.89	0.92	0.91	0.87	0.84	0.90	0.85
Frequency(MHz)	5700	5750	5800	5850							

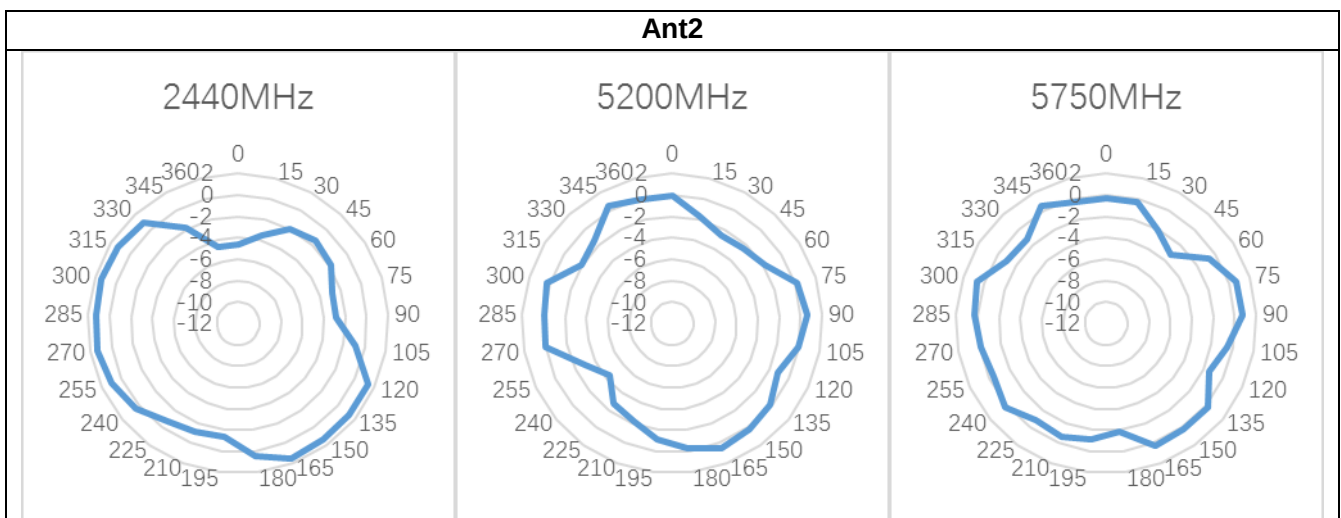
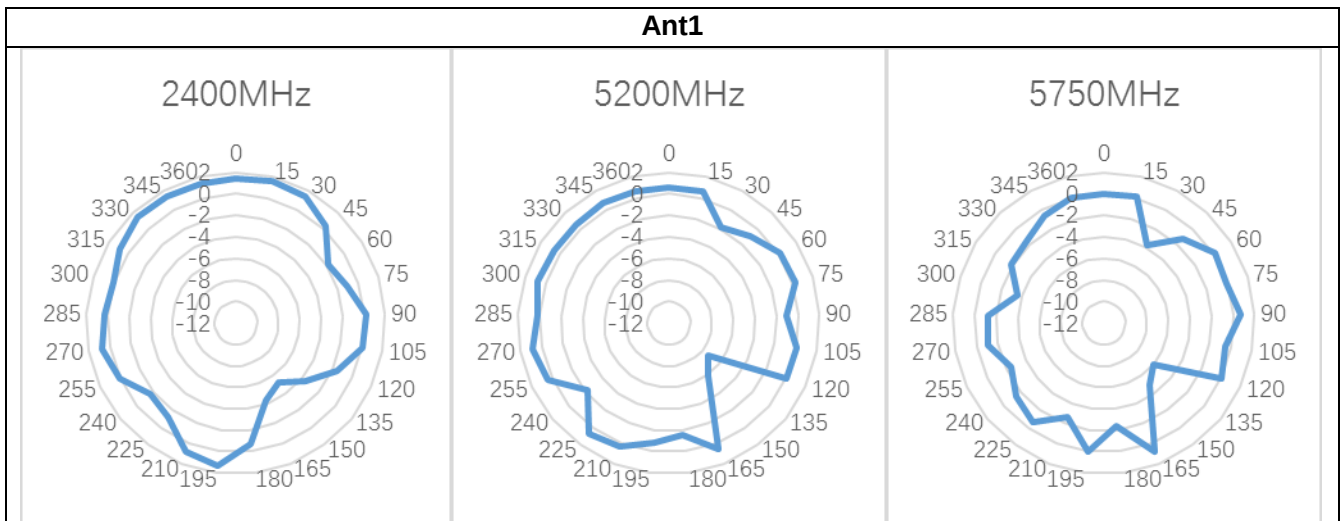
Gain(dBi)	0.94	0.93	0.89	0.93							
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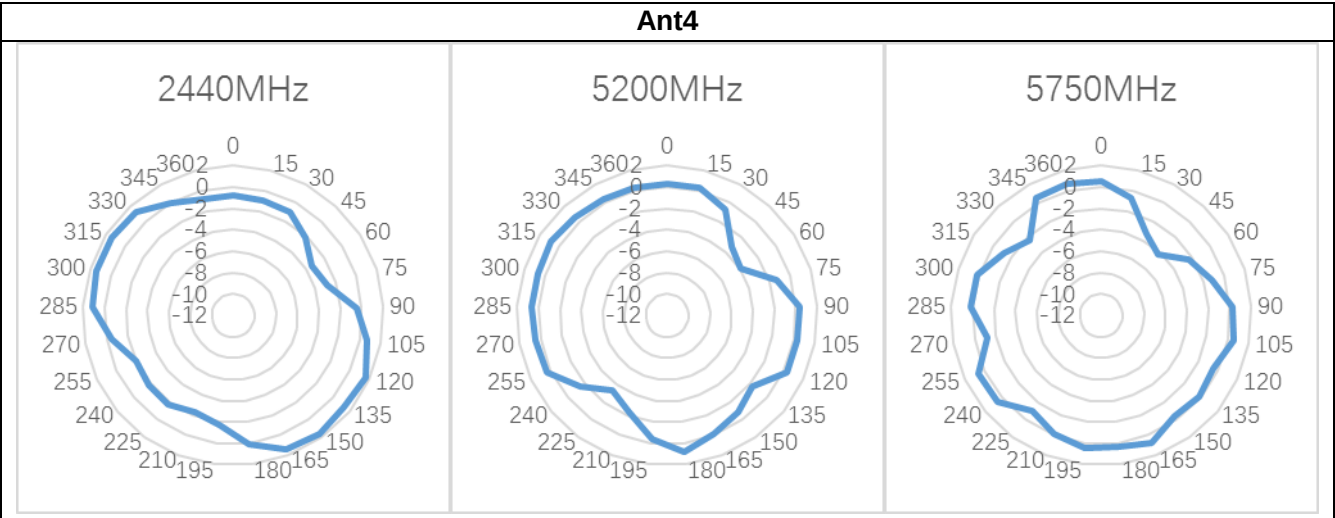
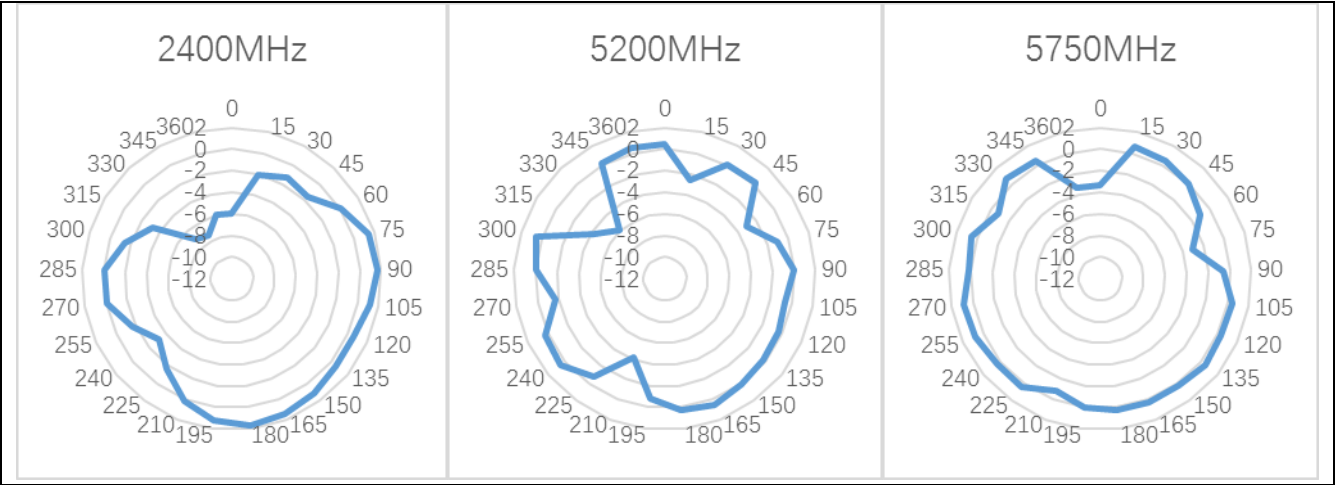
Ant4											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	1.91	1.89	1.92	1.90	1.87	1.92	1.84	1.83	1.86	1.93	1.92
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	0.92	0.91	0.95	0.97	0.94	0.90	0.86	0.91	0.88	0.94	0.91
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	0.84	0.90	0.85	0.86							

IV. Antenna Peak Gain (above 30° elevation)

Frequency(MHz)	5150	5200	5250
ANT1	-4.10	-4.07	-4.08
ANT2	-4.06	-4.08	-4.09
ANT3	-4.05	-4.06	-4.04
ANT4	-4.08	-4.09	-4.00

V. Antenna Radiation Pattern





VI. Antenna Radiation Pattern (above 30° elevation)

