
Antenna Specification

Product Model: EX140(US1) 1.0

Version: 1.0

Date: 2023.03.08

Checked By: _____

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I. Antenna Distribution

EX140(US1) 1.0



II. Electrical Characteristics

Ant1	
Frequency	2400 ~ 2500MHz
Impedance	50Ohm
Antenna Type	Franklin
Antenna Gain	2.00dBi
Radiation pattern	Omni-Directional

Ant2	
Frequency	5150 ~ 5850MHz
Impedance	50Ohm
Antenna Type	Franklin
Antenna Gain	2.00dBi
Radiation pattern	Omni-Directional

Ant3	
Frequency	5150 ~ 5850MHz
Impedance	50Ohm
Antenna Type	Franklin
Antenna Gain	2.00dBi
Radiation pattern	Omni-Directional

Ant4	
Frequency	2400 ~ 2500MHz
Impedance	50Ohm
Antenna Type	Franklin
Antenna Gain	2.00dBi
Radiation pattern	Omni-Directional

III. Antenna Peak Gain

Ant1											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	1.23	1.45	1.58	1.58	1.59	1.82	1.90	2.00	1.95	1.86	1.53

Ant2											
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	1.11	1.11	1.20	1.23	1.17	1.23	1.72	1.74	2.00	1.79	1.26
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	1.28	1.15	1.57	0.84							

Ant3											
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	1.38	0.89	0.73	1.18	0.82	1.34	1.34	1.87	2.00	1.87	1.71
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	1.26	1.27	0.82	0.96							

Ant4											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	1.45	1.63	1.73	1.61	1.79	1.93	2.00	1.89	1.84	1.61	1.40

IV. Antenna Radiation Pattern

Ant1											
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