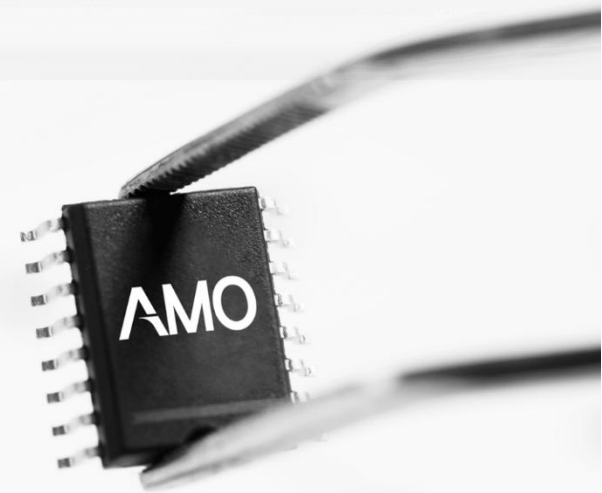


Antenna Specification

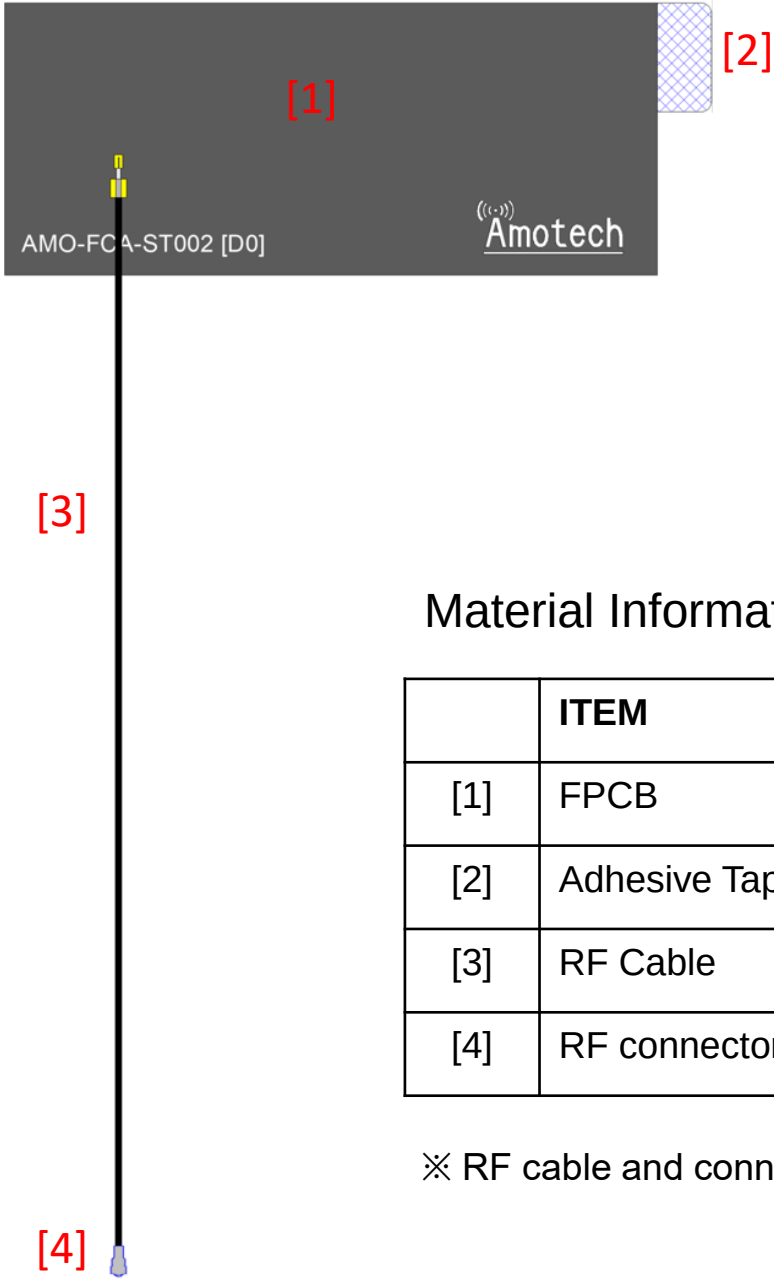
Application : LTE & 5G Sub-6

Antenna P/N : AMO-FCA-ST002



Confidential

1. Antenna Mechanical Specification



Material Information

	ITEM	Specification	Remark
[1]	FPCB	120 x 50 mm, Black, Polyimide 1/2mil, Cu 1/2oz, Single-side (ED)	
[2]	Adhesive Tape	3M 9293 or compatible adhesive 100um include release paper	
[3]	RF Cable	Dia. 1.13mm, Length 200mm, Black color	
[4]	RF connector	IPEX MHFI compatible connector	

※ RF cable and connector could be changed by customer’s request.

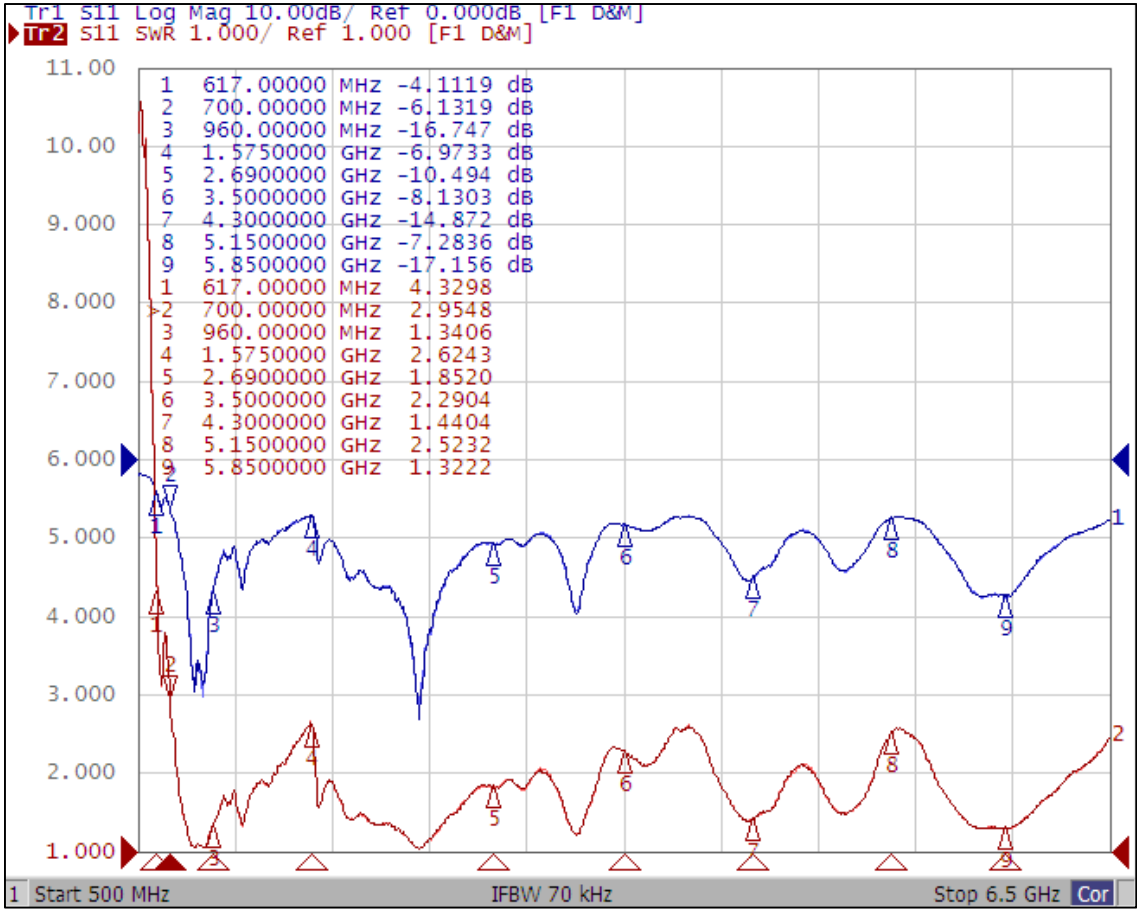
2. Antenna Electrical Specification

Electrical Specifications

No	Item	Specification	Remark
1	Frequency Range [MHz]	617-960 / 1710~2170 / 2500~2690	
2	VSWR	Max 4.3:1	
3	Polarization	Linear	
4	Impedance	Nominal 50 Ω	

LTE band coverage

Band	B1	B2	B3	B4	B5	B7	B8	B12	B13	B19	B20	B28	B71
	√	√	√	√	√	√	√	√	√	√	√	√	√



Measured Return-loss and VSWR

3. Antenna Gain Table

Frequency [MHz]	Efficiency [%]	Avg. Gain [dBi]	Peak Gain [dBi]
617	33.88	-4.70	2.10
663	47.68	-3.22	2.38
700	65.72	-1.82	3.04
746	78.59	-1.05	3.27
824	55.95	-2.52	2.20
894	76.57	-1.16	3.34
960	74.03	-1.31	4.47
1710	79.91	-0.97	3.49
1805	75.98	-1.19	3.28
1920	76.02	-1.19	3.46
1990	75.63	-1.21	4.27
2170	81.73	-0.88	3.81
2300	67.53	-1.71	3.12
2350	75.84	-1.20	3.47
2400	63.51	-1.97	2.69
2442	80.51	-0.94	3.60
2500	65.44	-1.84	2.41
2690	66.12	-1.80	3.03