DONGGUAN HUANGJIE COMMUNICATION TECHNOLOGY CO., LTD.



1.88-1.93G antenna

Gel antenn3D1805BK06-002

- ${f trait:}$ ullet The Outward Appearance Fine
 - all weather operations
 - Optimized size
 - Medium gain, low standing wave

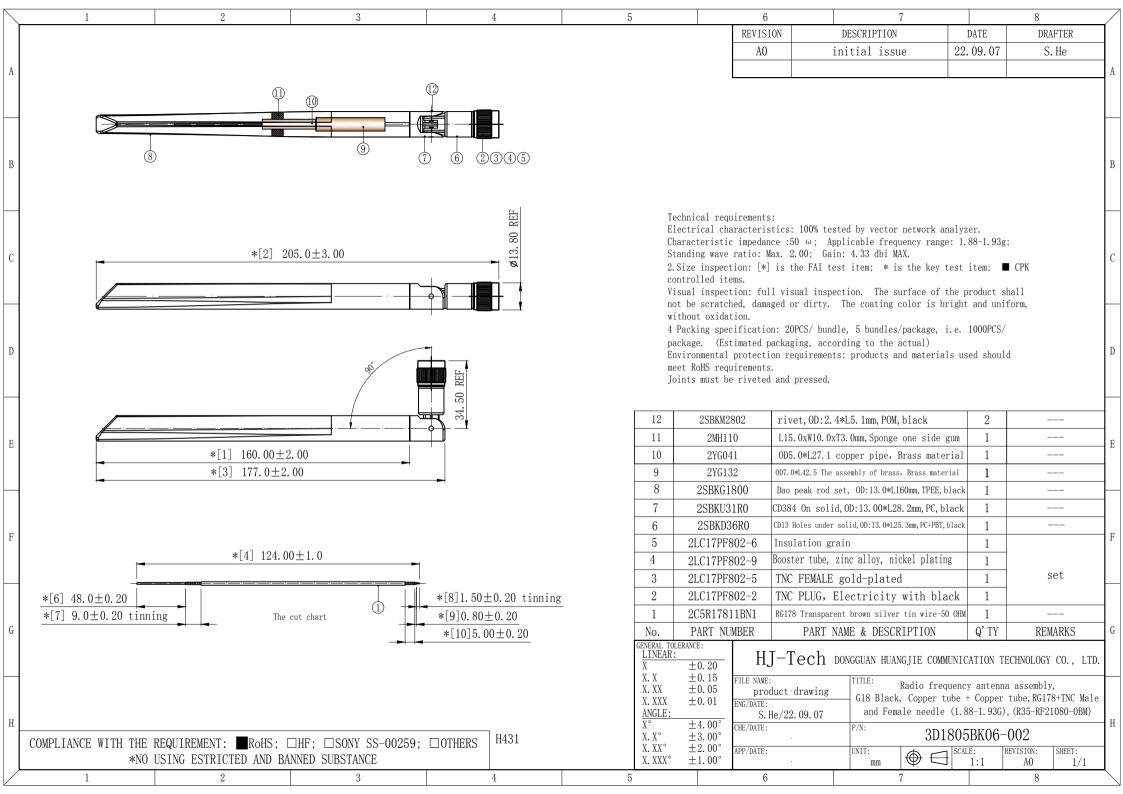
Model NO	3D1805BK06-002			
	Electric Spec			
Frequency rang-MHz	1.88-1.93G			
Bandwidth -MHz	See waveform diagram for details			
Gain −dBi	4.33 DBI MAX			
VSWR	1.88-1.936 ≤2.0			
Impedance- Ω	50			
Connector model	TNC PLUG FEMALE Or user specifiedTNC PLUG or others			
CABLE Spec	RG178 Cable Or user specified RG178 Cable or others			
Mech	hanical Specification			
Size -mm	205*13			
Antenna weight-kg	/			
Working Temperature −° c	-40~60			
Radome color	black			

公司网址Website: Http://www.iphone-line.com

工厂地址Address: No.3 Taihe Road, Daxiandi Industrial Zone, Quantang Village, Liaobu Town, Dongguan City

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传真Fax: 0769-83327688

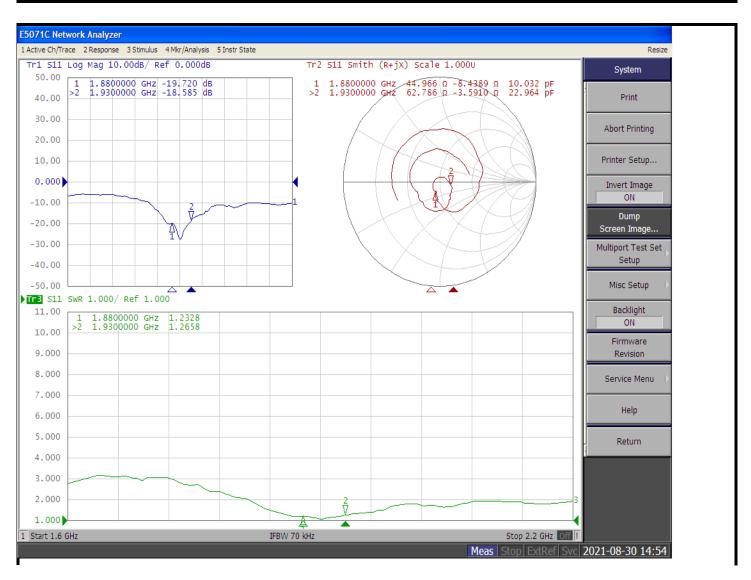


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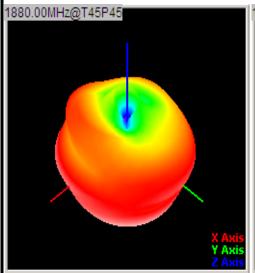
Antenna Electrical Characteristic Test Report

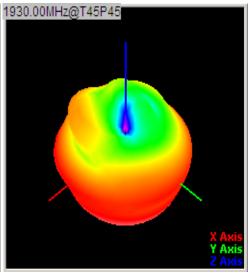
N0:HJ-QR-Q-13/A0

Part Number:	3D1805BK06-002	Item	Spec	Judge
Part Name:	GO7 Black, Copper tube + Copper tube, RG178+TNC Male and Female needle (1.88-1.93G)	VSWR	≤2.0	pass
Test Equipment	Network analyzer/ microwave anechoic room	Characteristic impedance	50Ω	pass
Quantity	5pcs	Gain	0~3dBi	pass
Test Date	2021/8/30			



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Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	1850.0	1860.0	1870.0	1880.0	1890.0	1900.0	1910.0	1920.0	1930.0	1940.0	1950.0
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-0.97	-0.79	-0.94	-0.90	-0.87	-0.96	-1.06	-0.93	-0.97	-0.81	-0.85
Peak EIRP (dBm)	2.77	2.98	2.91	3.11	3.42	3.70	3.94	4.27	4.33	3.55	3.55
Directivity (dBi)	3.75	3.77	3.84	4.01	4.29	4.66	5.00	5.20	5.30	5.36	5.40
Efficiency (dB)	-0.97	-0.79	-0.94	-0.90	-0.87	-0.96	-1.06	-0.93	-0.97	-0.81	-0.85
Efficiency (%)	79.90	83.50	80.60	81.30	81.80	80.20	78.40	80.70	80.00	83.10	82.20
Gain (dBi)	2.77	2.98	2.91	3.11	3.42	3.70	3.94	4.27	4.33	3.55	3.55
NHPRP ±Pi/4 (dBm)	-2.10	-1.92	-2.08	-2.08	-2.11	-2.28	-2.46	-2.38	-2.45	-2.29	-2.35
NHPRP ±Pi/6 (dBm)	-3.51	-3.32	-3.48	-3.49	-3.54	-3.74	-3.95	-3.91	-3.98	-3.81	-3.86
NHPRP ±Pi/8 (dBm)	-4.56	-4.37	-4.54	-4.55	-4.62	-4.83	-5.05	-5.02	-5.09	-4.92	-4.94
Upper Hem. PRP (dBm)	-6.83	-6.68	-6.83	-6.81	-6.89	-7.22	-7.66	-7.88	-8.17	-8.10	-8.09
Lower Hem. PRP (dBm)	-2.28	-2.08	-2.23	-2.18	-2.12	-2.13	-2.13	-1.91	-1.89	-1.70	-1.76
Upper Hem. PRP (%)	20.73	21.48	20.74	20.86	20.47	18.96	17.12	16.28	15.23	15.49	15.52
Lower Hem. PRP (%)	59.18	61.98	59.87	60.48	61.34	61.24	61.25	64.46	64.79	67.58	66.69





Checked by	JIANG NENG GUANG	Tested by	CHU HUAN
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