

**P/N: AMT-SSPA-137145-200B****Technique Specification**

	<b>Parameter</b>	<b>Specification</b>
1.	Output Frequency Range	13.75 GHz – 14.50 GHz
2.	Output Power	Psat ≥53dBm
3.	Small-Signal Gain	≥ 50dB
4.	Gain Flatness	≤ 3 dB p-p over full band, ≤ 1 dB p-p over any 40 MHz
5.	Output VSWR	≤1.5
6.	Gain Stability	±0.5 dB (24 h, at constant temperature )
7.	Gain Adjustment Range	20dB in 0.5dB step
8.	Power Supply	198VAC ~ 242VAC
9.	IM3	≤-25dBc (Psat 4 dB back off, two-tone, 5 MHz spacing)
10.	Spurious	≤-55dBc
11.	Interface	RF Input: SMA Female RF Output: WR75 (WR62 optional) Control Interface: Ethernet; RS-422 optional Power Supply Interface: Circular Aviation Connector
12.	Operating Temperature	-40°C ~ +55°C
13.	Dimensions	≤430mm×136mm×370m(TBD)
14.	Weight	≤25kg
15.	Power Consumption	≤1.1KW
16.	Protection	Over-voltage, over-current, over-temperature, and over-reflection protection