6.2.2 § 15.247 (b) Peak Output Power:

Measurement Data:

The maximum peak output power measured for this device was 661.0 mW or 28.2 dBm. Shown below is the measured peak output power. The 900 SS Direct can be installed with the three different types of antennas listed below; therefore, measurements were performed with the 900 SS Direct transmitting on all four antennas. The results for each measurement are shown below.

Antenna Type	Model	Antenna Gain
Centurion Dipole	CAF28715	2.15 dBi
Comtelco Yagi	Y2283A-66	6 dBi
Maxrad Omni	MFB9155	5 dBi

The maximum directional gain of the each antenna is less than 6 dBi; therefore, the maximum output power is not required to be reduced from the value measured.

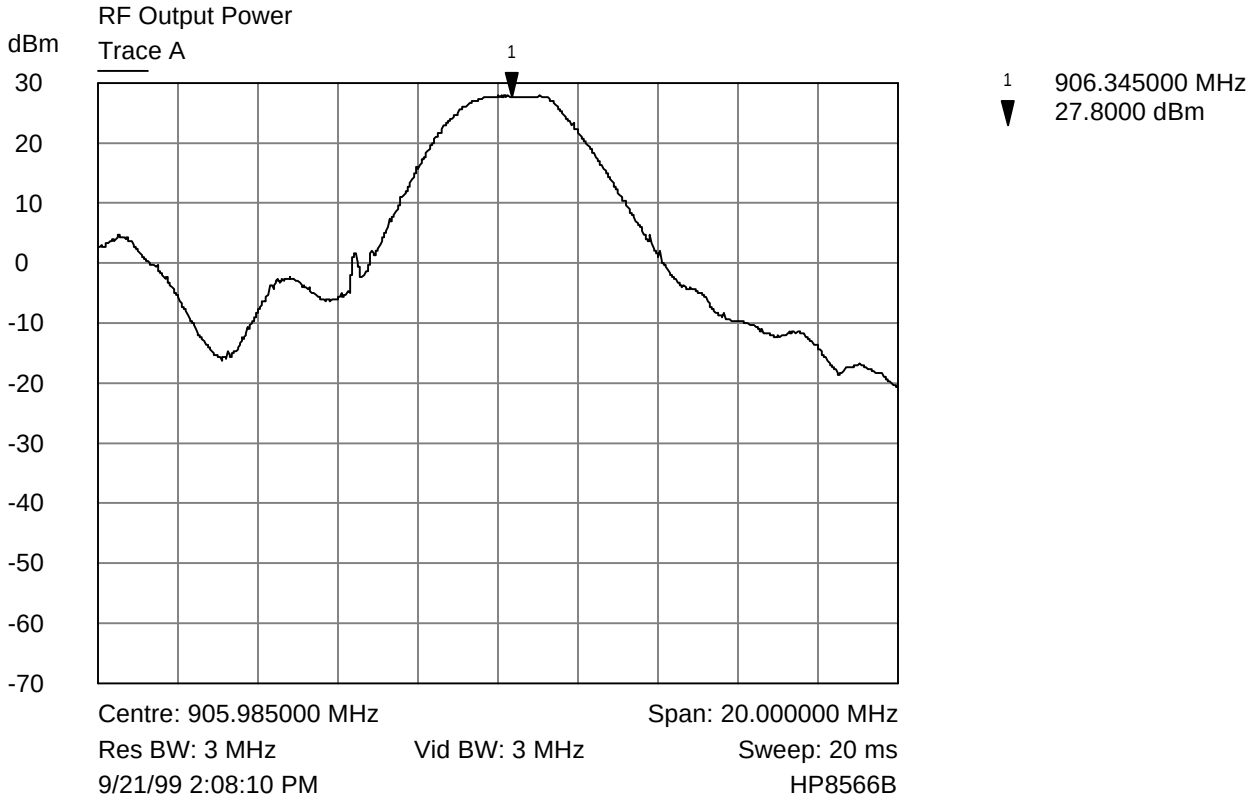
A diagram of the test configuration is enclosed in Appendix A and a list of reference codes for test equipment used is enclosed in Appendix B.

Test equipment used: 1, 3 and 4.

Frequency (MHz)	Measured Output Power (dBm)	Measured Output Power (mW)
905.0	27.8	603.0
915.0	28.2	661.0
923.0	27.9	617.0

RESULT

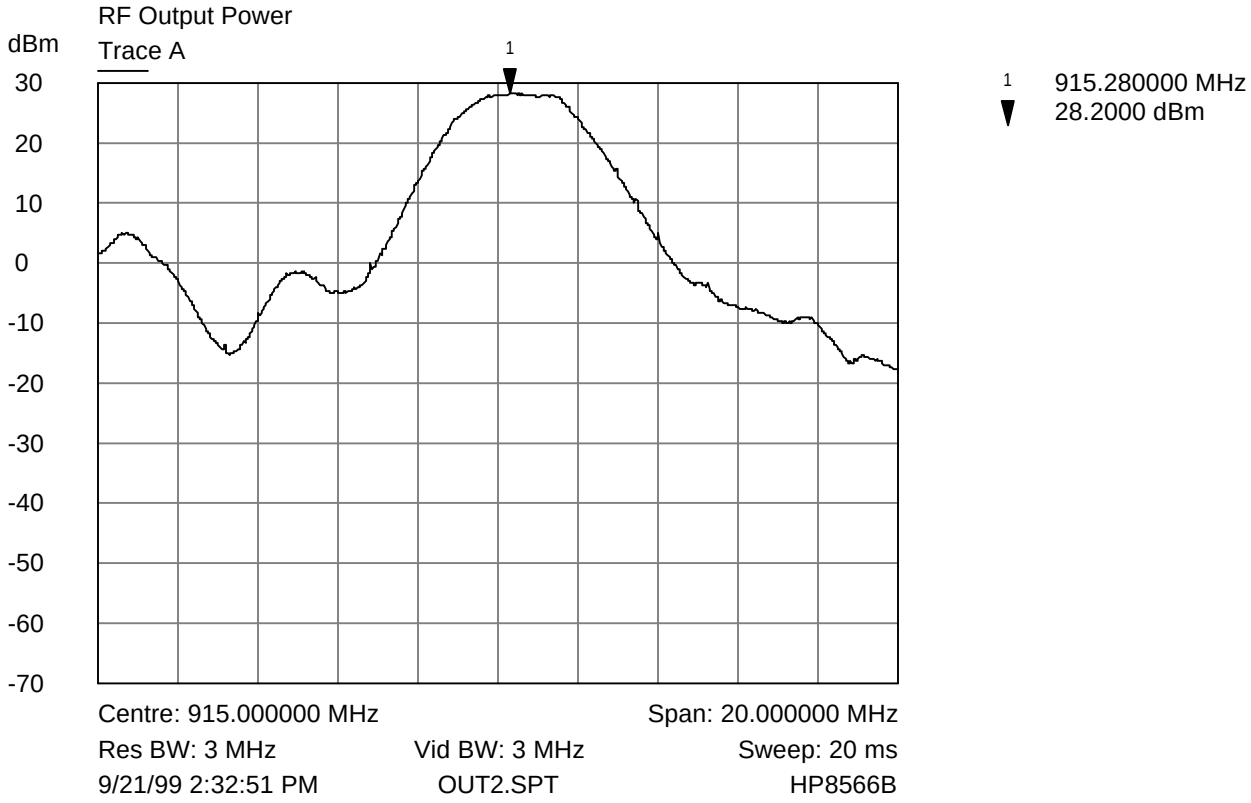
In the configuration tested, the EUT complied with the requirements of the specification (see spectrum analyzer plots below).



RF Output Power (Low End of Band)

Trace A 31.5 dB Offset (30 dB Attenuator and Cable)

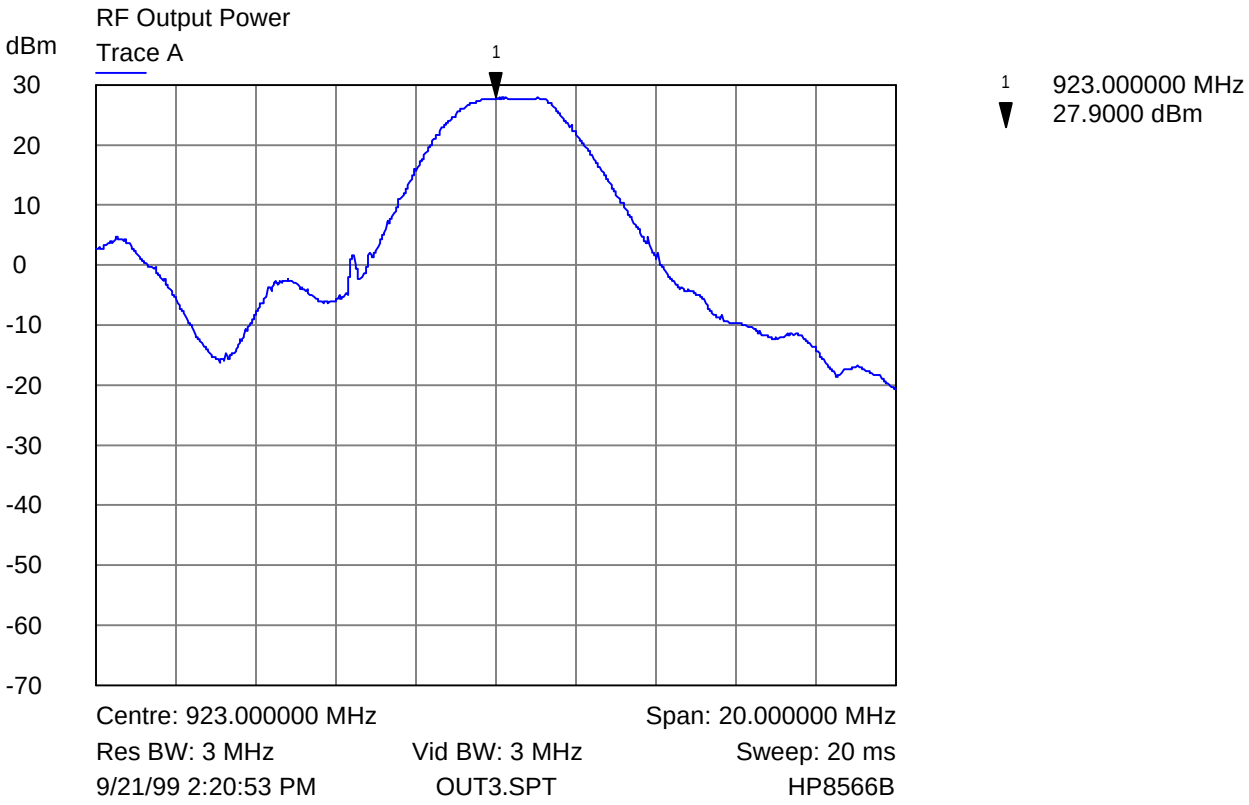
RF Power Output Plot - (Low Channel)



RF Output Power (Middle of Band)

Trace A 31.5 dB Offset (30 dB Attenuator and Cable)

RF Power Output Plot - (Middle Channel)



RF Output Power (High End of Band)

Trace A 31.5 dB Offset (30 dB Attenuator and Cable)

RF Power Output Plot - (High Channel)