

FCC ID: ESD-SA824894S3

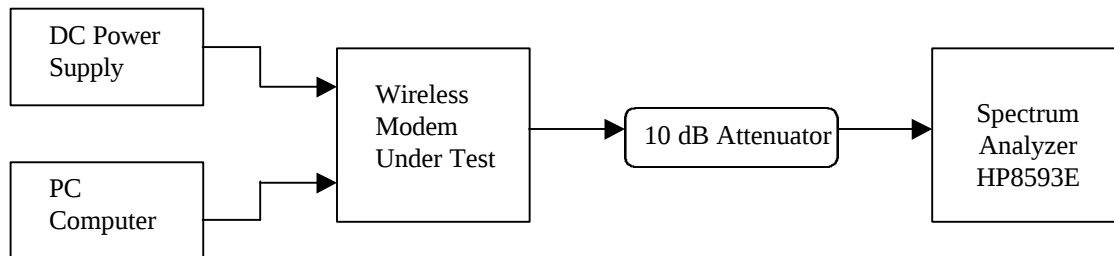
Exhibit 2

Engineering Report
d)Spurious Emissions, Antenna Terminal (2.1051)

Spurious Emissions at Antenna Terminals (2.991)

Name of Test:	Spurious Emissions at Antenna Terminals
FCC ID:	N7NOEM2
Grantee:	Sierra Wireless
Serial No.:	20600052674
Minimum Standard Specified	Para. 22.106
Test Results	Equipment Compliant with Standard
Equipment Authorization Procedure	Para. 2.993
Frequency Range Observed	0 to 9 GHz
Operating Frequency	837.000 MHz
Crystal Frequency	14.85 MHz TCXO
Power Output	0.00631 to 4.0 Watt (8 to 36 dBm) in 4 dB steps
Spurious Limit = $43\text{dB} + 10\text{Log}_{10} (P_o)$	-21 to -41 dBm
=	

Test Setup Block Diagram



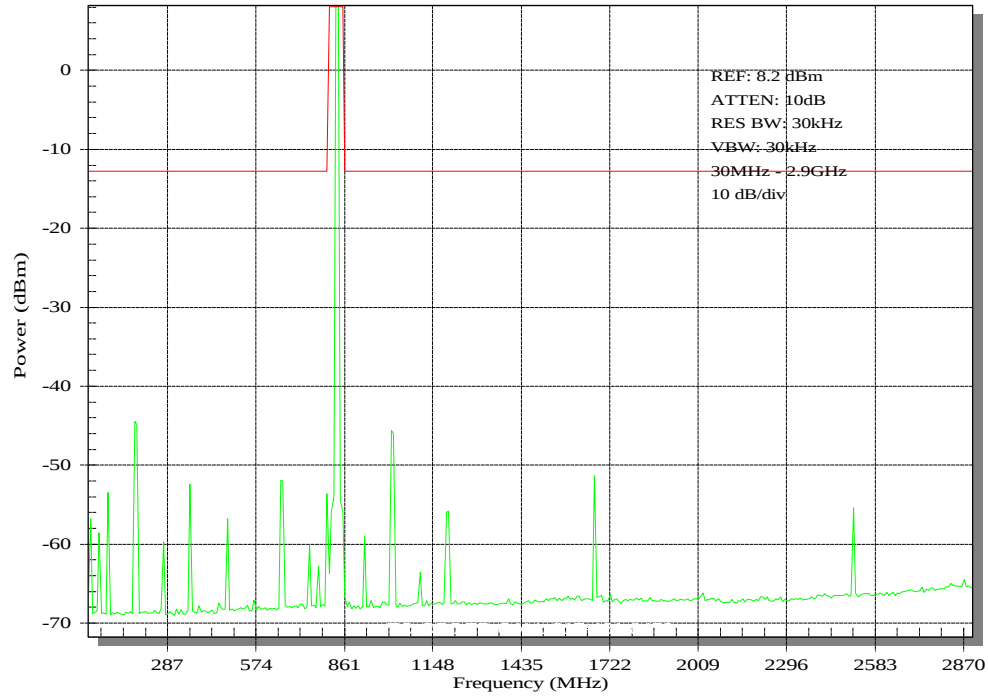
Measurement Data

Formula	Frequency (MHz)	Level (dB below carrier)	
		Low Power	High Power
f_o	837.0	- 0 -	- 0 -
$2f_o$	1647.0	-	-
$3f_o$	2511.0	-	-
$4f_o$	3348.0	-	-
$7f_o$	5859.0	-	-
$8f_o$	6696.0	-	-

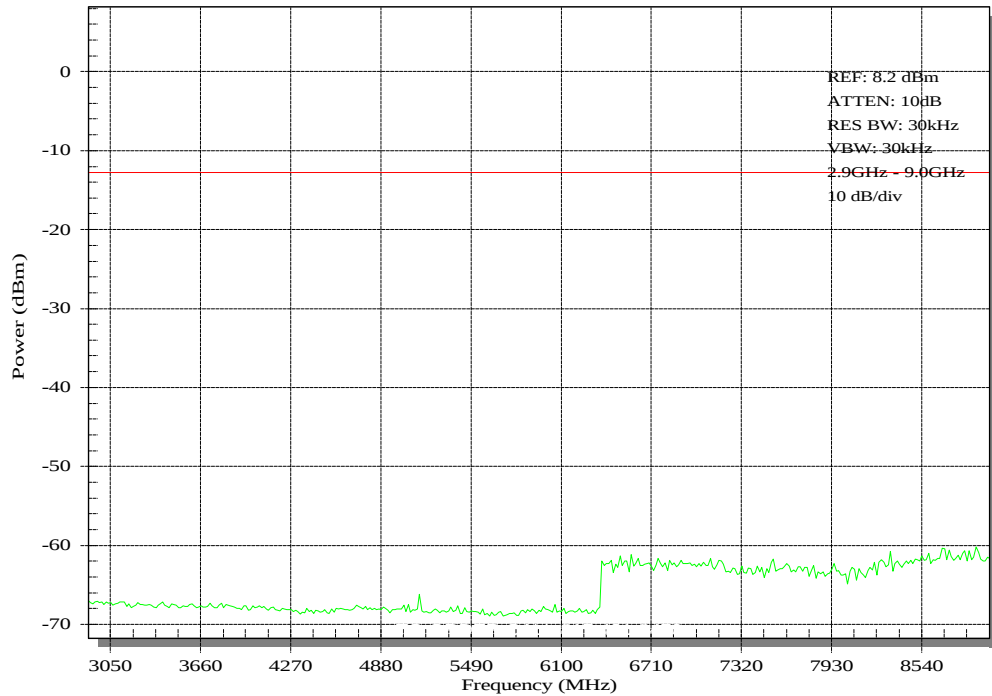
Note: All emissions were greater than 20dB below the spurious limit. Plots of the spurs reported in the table can be seen on the following 2 pages.

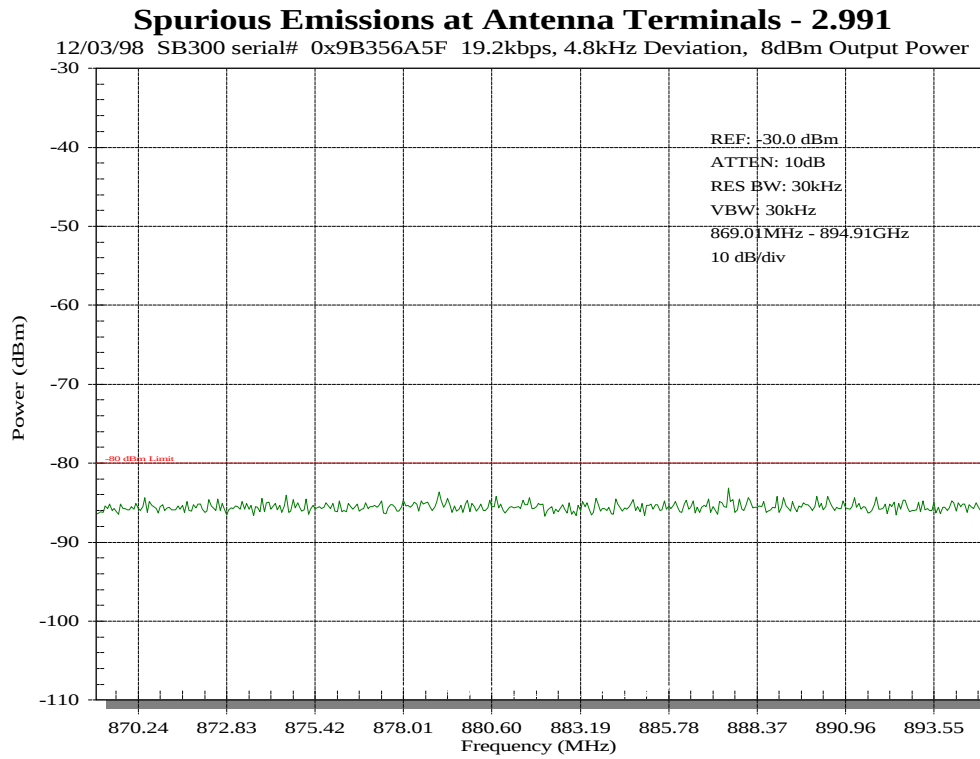
Low Power (8dBm Nominal)**Spurious Emissions at Antenna Terminals - 2.991**

12/04/98 SB300 serial# 0x9B356A5F 19.2kbps, 4.8kHz Deviation, 8dBm Output Power

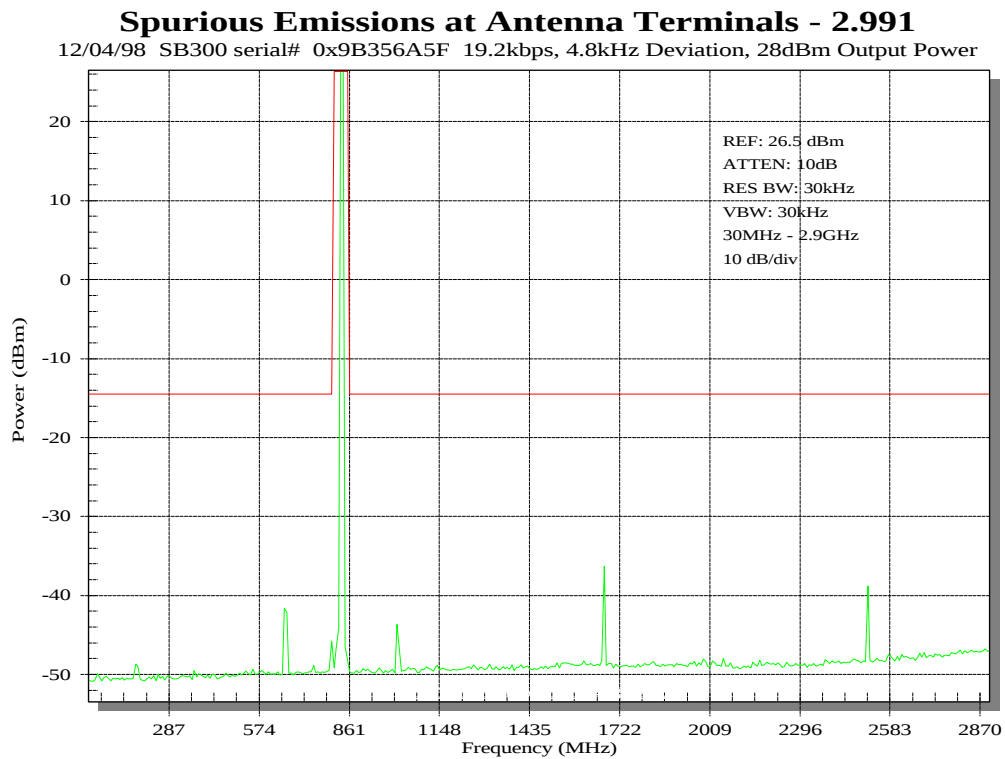
**Spurious Emissions at Antenna Terminals - 2.991**

12/04/98 SB300 serial# 0x9B356A5F 19.2kbps, 4.8kHz Deviation, 8dBm Output Power



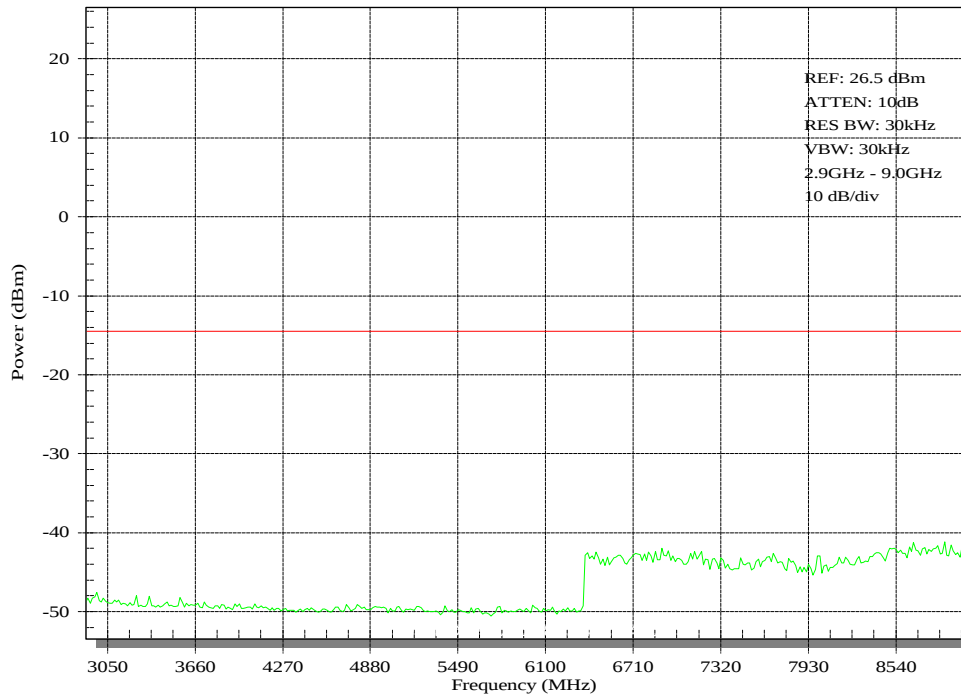


High Power (28dBm Nominal)



Spurious Emissions at Antenna Terminals - 2.991

12/04/98 SB300 serial# 0x9B356A5F 19.2kbps, 4.8kHz Deviation, 28dBm Output Power

**Spurious Emissions at Antenna Terminals - 2.991**

12/03/98 SB300 serial# 0x9B356A5F 19.2kbps, 4.8kHz Deviation, 28dBm Output Power

