

Appendix R-4G Band Edge

Test Information:

Sample No.:	2UKG-1	Test Date:	2024/12/31
Test Site:	RF	Test Mode:	Transmitting
Tester:	Leo Lin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	23.6-24.5	Relative Humidity: (%)	35-40	ATM Pressure: (kPa)	101.5
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Figure 10 displays six spectral plots (Spectrum) showing the results of a 100/100 SGL Count test for various modulation schemes and bandwidths. Each plot includes a graph of Power Spectral Density (dBm) versus Frequency (GHz) and a table of Spurious Emissions.

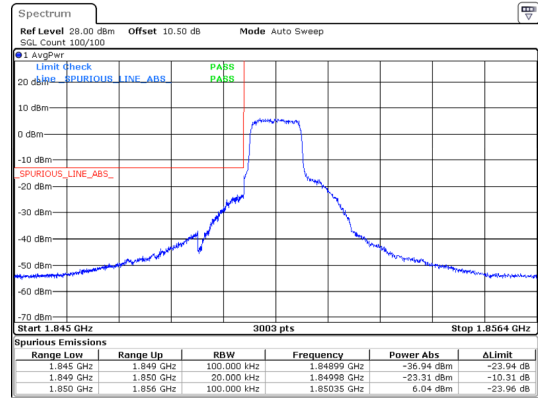
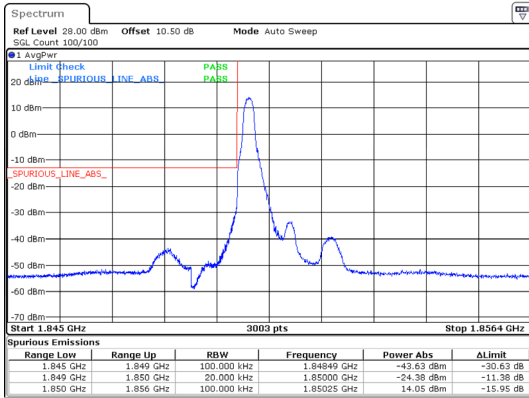
The plots are arranged in a 3x2 grid, showing results for different modulation schemes and bandwidths:

- Top Left: Band 2 1.4MHz/1909.3/High QPSK 1@5
- Top Right: Band 2 1.4MHz/1909.3/High QPSK 6@0
- Middle Left: Band 2 1.4MHz/1909.3/High 16QAM 1@5
- Middle Right: Band 2 1.4MHz/1909.3/High 16QAM 6@0
- Bottom Left: Band 2 1.4MHz/1850.7/Low QPSK 1@0
- Bottom Right: Band 2 1.4MHz/1850.7/Low QPSK 6@0

Each plot shows a main signal peak and several spurious emission peaks. The Spurious Emissions table provides the following data:

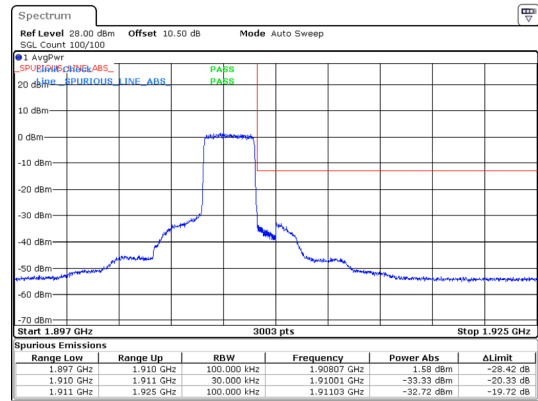
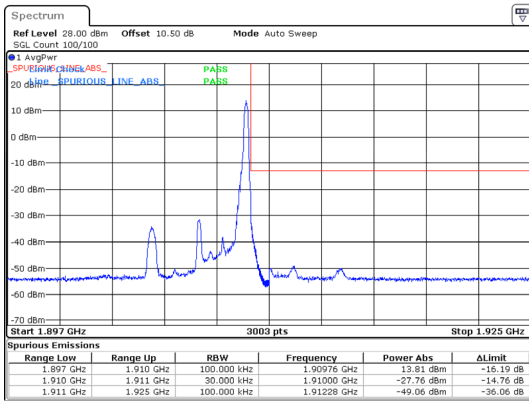
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.899 GHz	1.910 GHz	100.000 kHz	1.90972 GHz	13.62 dBm	-15.38 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-29.73 dBm	-16.73 dB
1.911 GHz	1.925 GHz	100.000 kHz	1.91155 GHz	-44.75 dBm	-31.75 dB

ProjectNo:240121050218-RF Tester:Leo Lin
Date: 31.DEC.2024 11:42:12



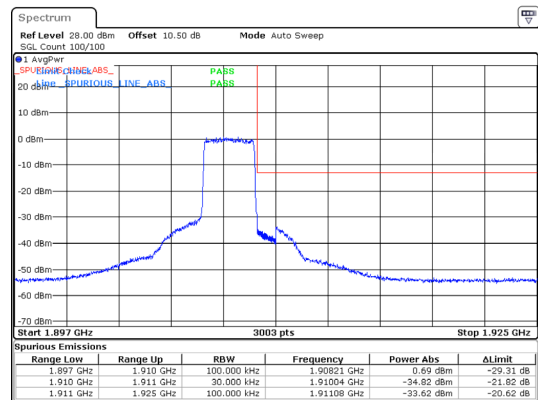
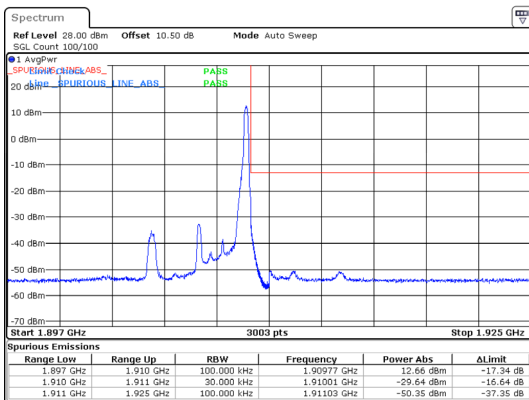
Band 2 1.4MHz/1850.7/Low 16QAM 1@0

Band 2 1.4MHz/1850.7/Low 16QAM 6@0



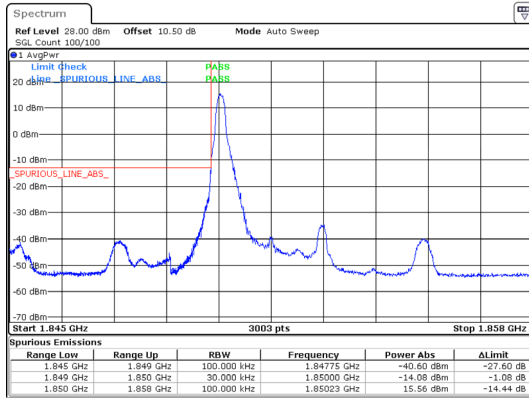
Band 2 3MHz/1908.5/High QPSK 1@14

Band 2 3MHz/1908.5/High QPSK 15@0

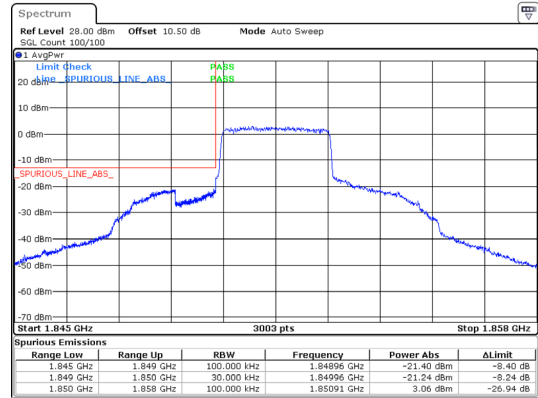


Band 2 3MHz/1908.5/High 16QAM 1@14

Band 2 3MHz/1908.5/High 16QAM 15@0



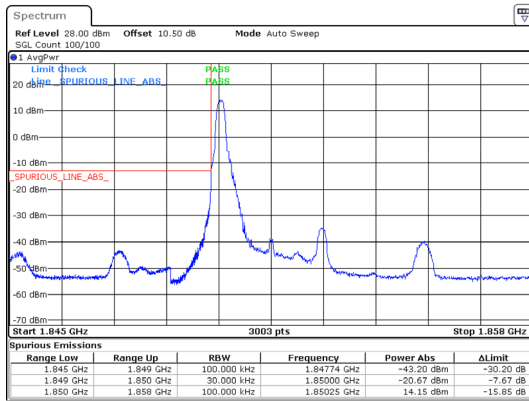
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 11:45:41



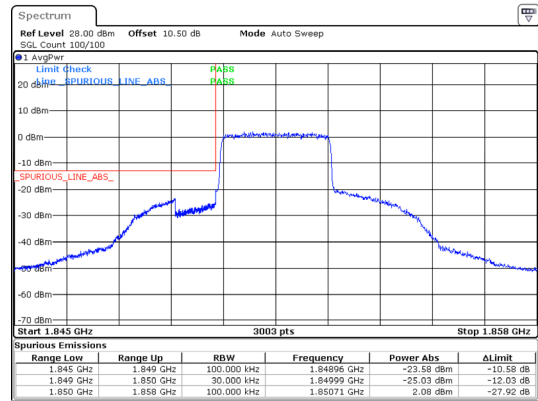
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Band 2 3MHz/1851.5/Low QPSK 1@0

Band 2 3MHz/1851.5/Low QPSK 15@0



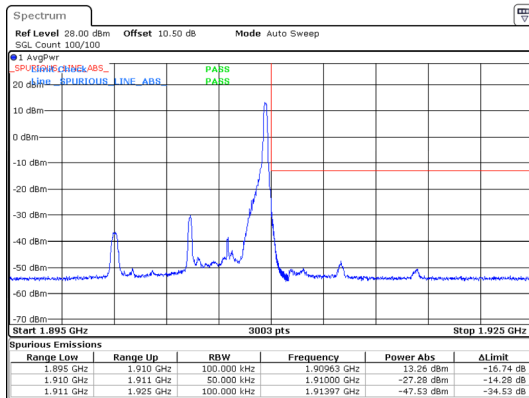
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Date: 31.DEC.2024 11:46:13



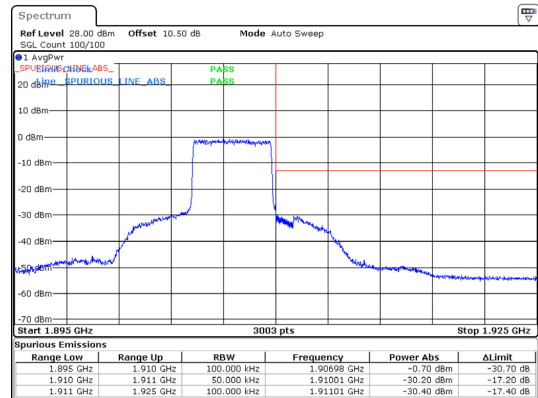
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Band 2 3MHz/1851.5/Low 16QAM 1@0

Band 2 3MHz/1851.5/Low 16QAM 15@0



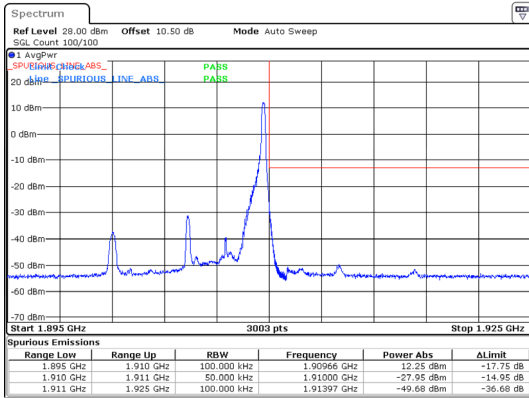
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Date: 31.DEC.2024 11:47:00



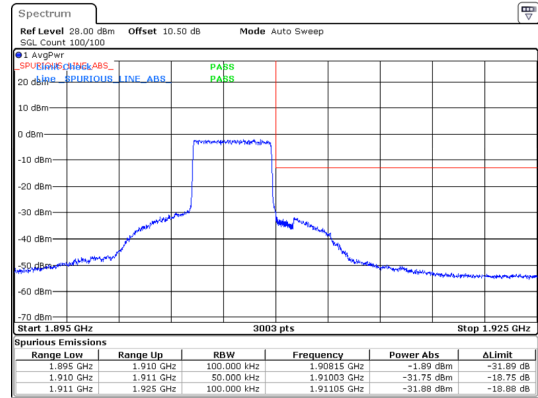
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Date: 31.DEC.2024 11:47:15

Band 2 5MHz/1907.5/High QPSK 1@24

Band 2 5MHz/1907.5/High QPSK 15@24



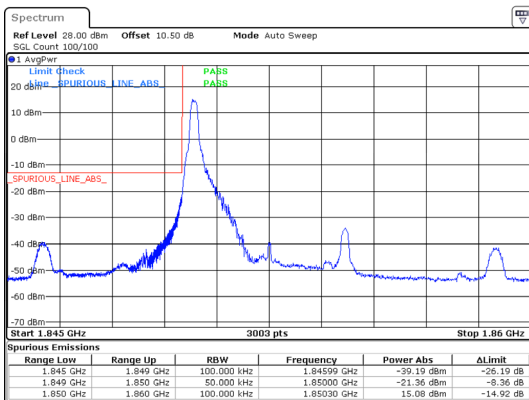
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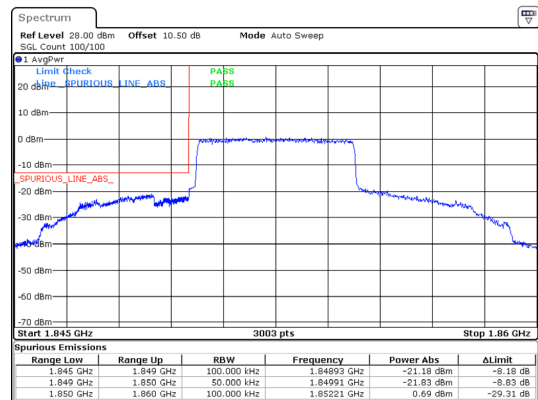
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Date: 31.DEC.2024 11:47:47

Band 2 5MHz/1907.5/High 16QAM 1@24

Band 2 5MHz/1907.5/High 16QAM 25@0



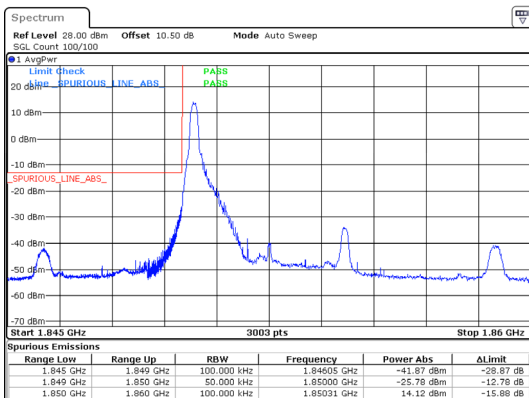
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Date: 31.DEC.2024 11:48:05



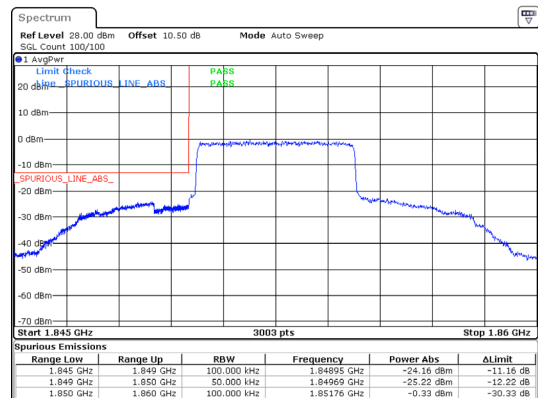
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Band 2 5MHz/1852.5/Low QPSK 1@0

Band 2 5MHz/1852.5/Low QPSK 25@0



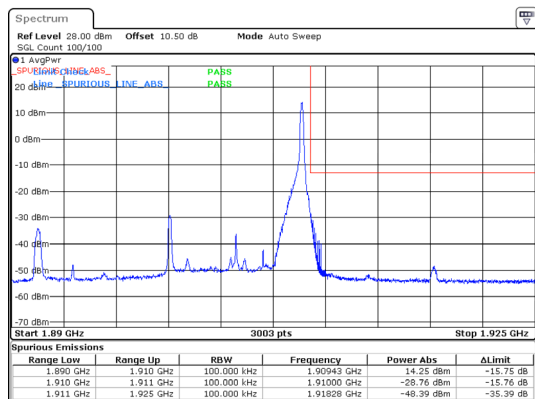
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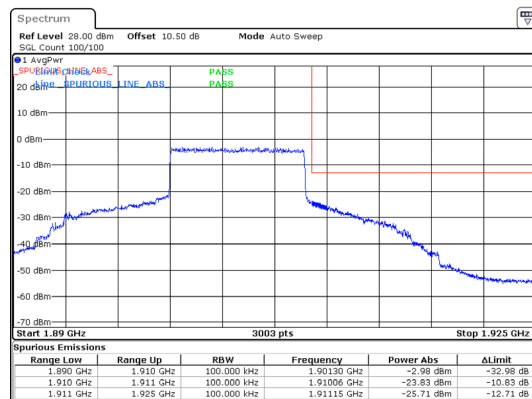
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Date: 31.DEC.2024 11:48:51

Band 2 5MHz/1852.5/Low 16QAM 1@0

Band 2 5MHz/1852.5/Low 16QAM 25@0



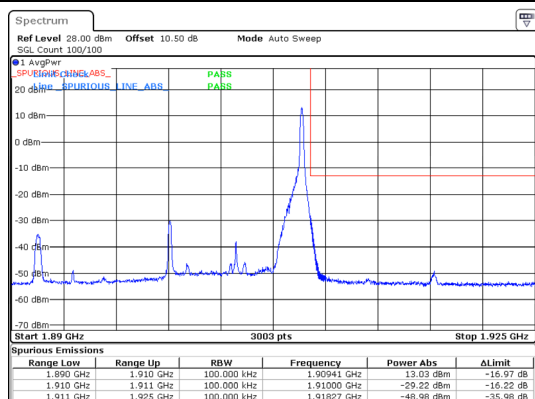
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Date: 31.DEC.2024 11:59:23



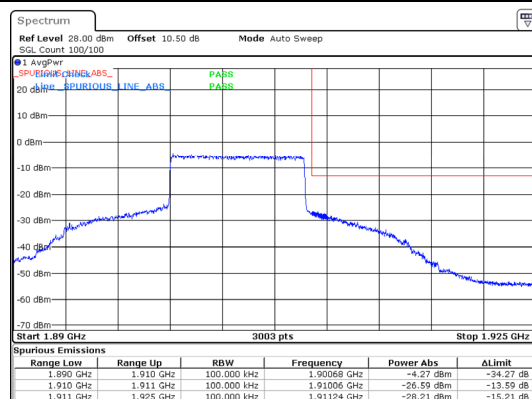
ProjectNo:2401Z105021E-RF Tester:Leo Lin
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Band 2 10MHz/1905.0/High QPSK 1@49

Band 2 10MHz/1905.0/High QPSK 50@0



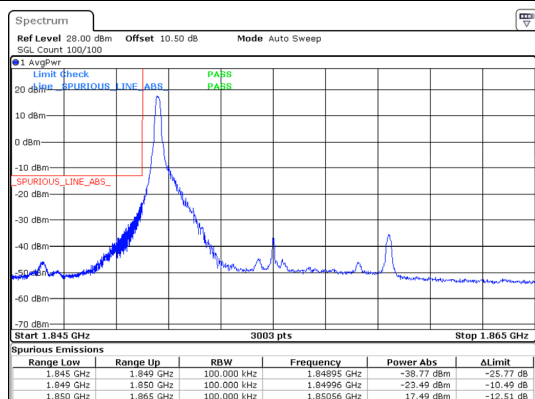
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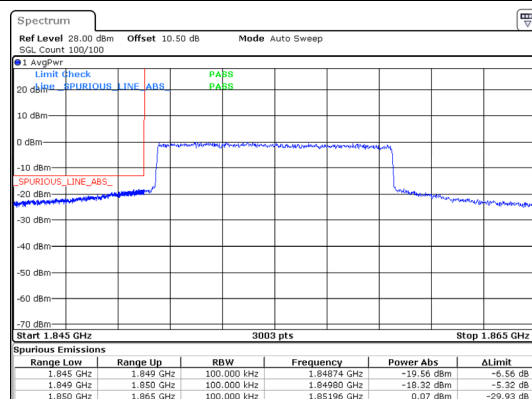
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Date: 31.DEC.2024 12:00:13

Band 2 10MHz/1905.0/High 16QAM 1@49

Band 2 10MHz/1905.0/High 16QAM 50@0



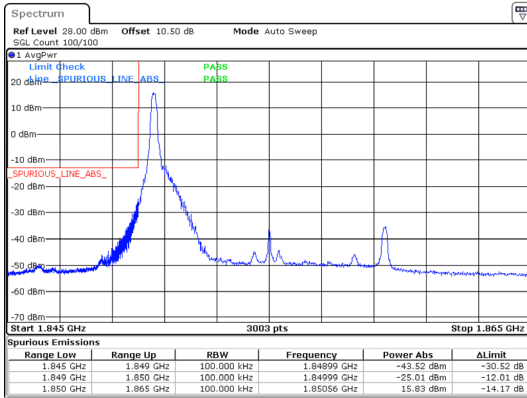
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Date: 31.DEC.2024 12:01:08



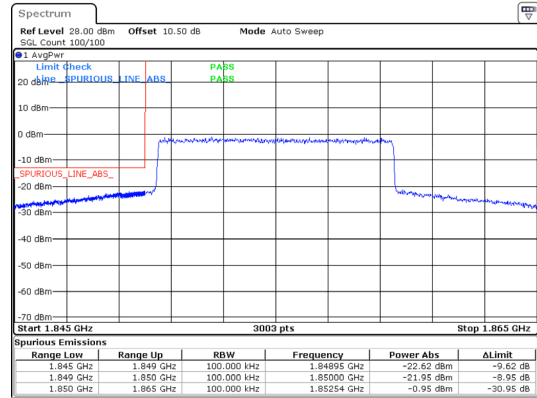
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Band 2 10MHz/1855.0/Low QPSK 1@0

Band 2 10MHz/1855.0/Low QPSK 50@0



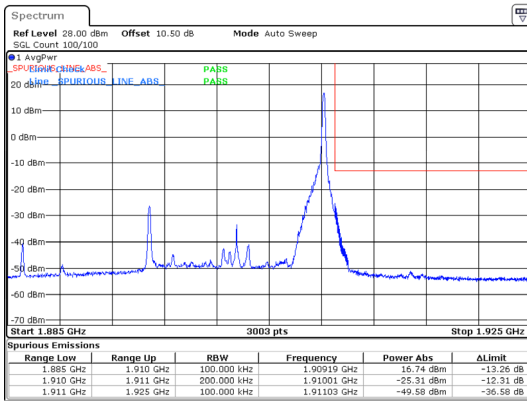
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Date: 31.DEC.2024 13:01:31



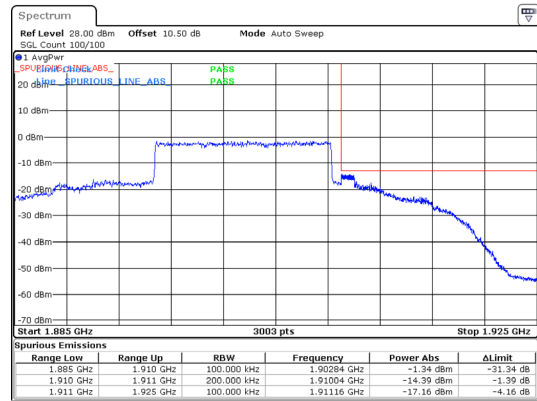
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Band 2 10MHz/1855.0/Low 16QAM 1@0

Band 2 10MHz/1855.0/Low 16QAM 50@0



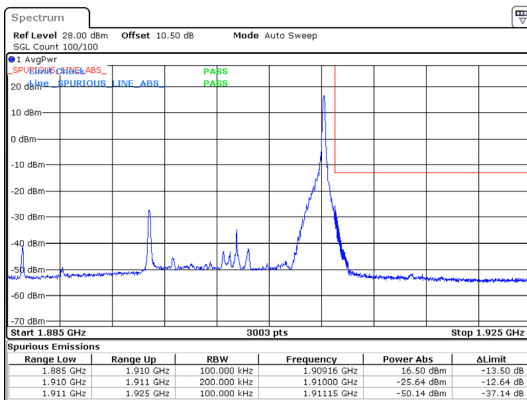
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Date: 31.DEC.2024 13:05:38



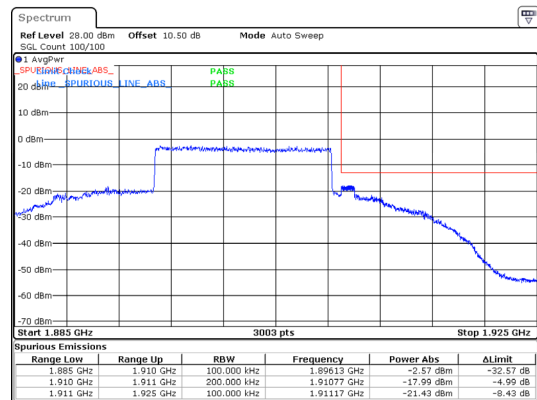
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Date: 31.DEC.2024 13:05:54

Band 2 15MHz/1902.5/High QPSK 1@74

Band 2 15MHz/1902.5/High QPSK 75@0



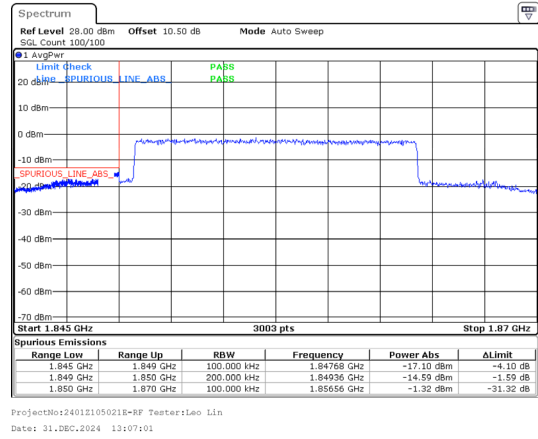
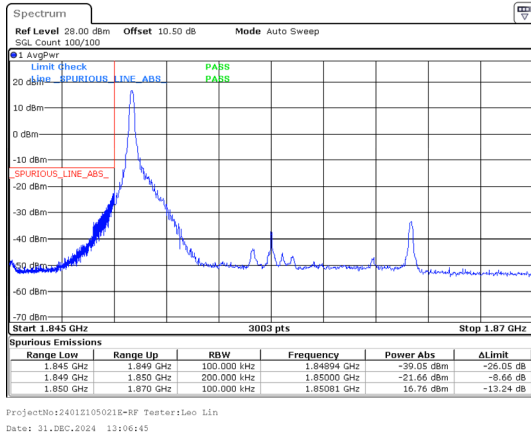
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:06:11



ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:06:27

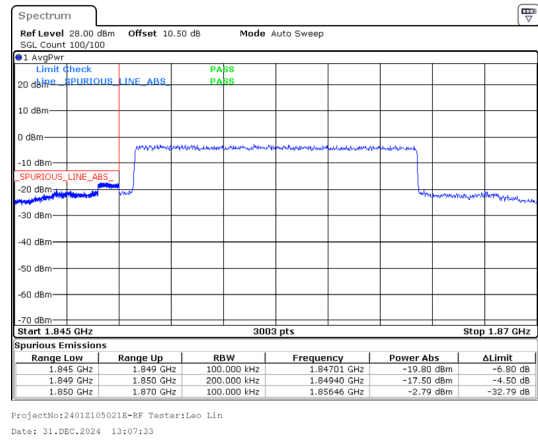
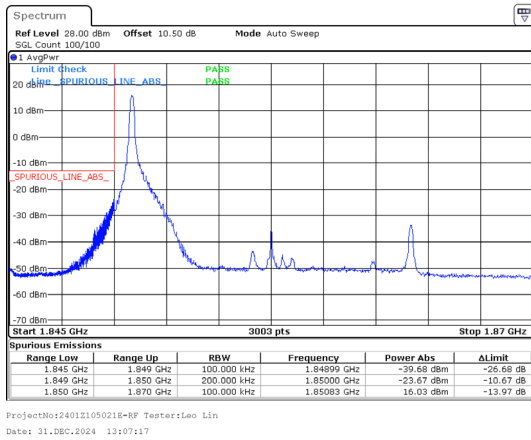
Band 2 15MHz/1902.5/High 16QAM 1@74

Band 2 15MHz/1902.5/High 16QAM 75@0



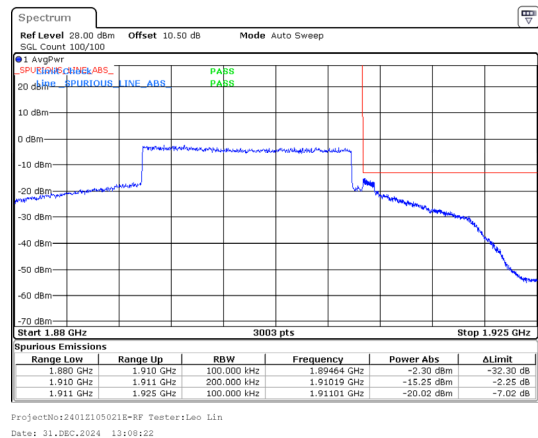
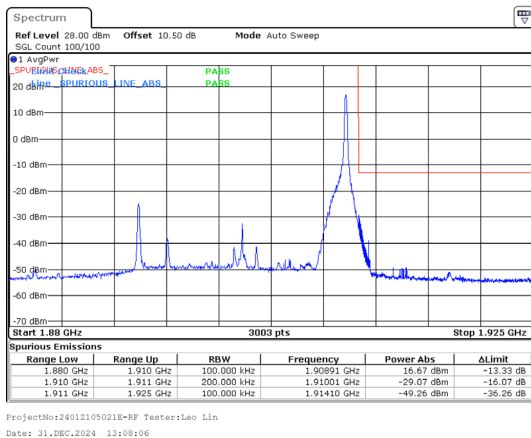
Band 2 15MHz/1857.5/Low QPSK 1@0

Band 2 15MHz/1857.5/Low QPSK 75@0



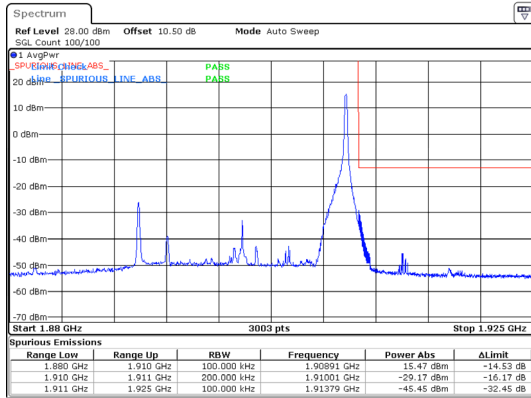
Band 2 15MHz/1857.5/Low 16QAM 1@0

Band 2 15MHz/1857.5/Low 16QAM 75@0

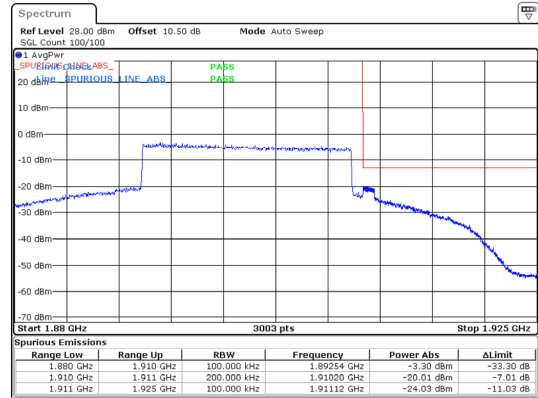


Band 2 20MHz/1900.0/High QPSK 1@99

Band 2 20MHz/1900.0/High QPSK 100@0



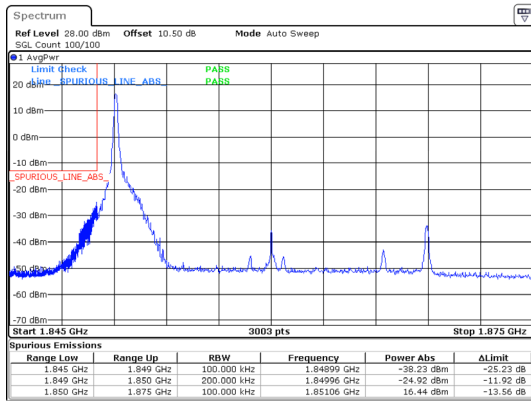
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Date: 31.DEC.2024 13:08:38



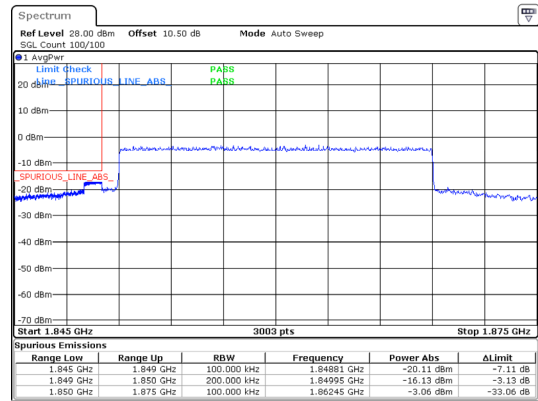
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Date: 31.DEC.2024 13:08:55

Band 2 20MHz/1900.0/High 16QAM 1@99

Band 2 20MHz/1900.0/High 16QAM 100@0



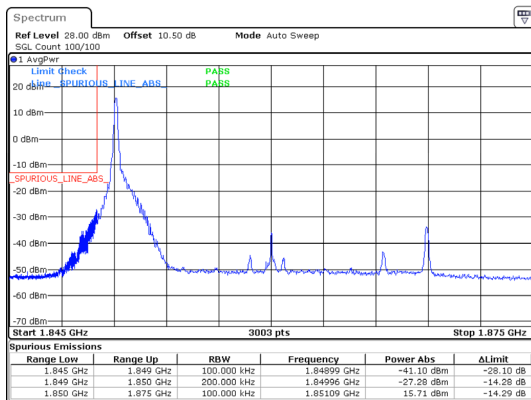
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Date: 31.DEC.2024 13:09:14



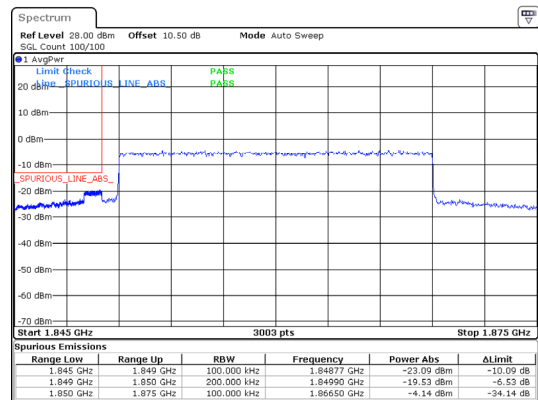
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Band 2 20MHz/1860.0/Low QPSK 1@0

Band 2 20MHz/1860.0/Low QPSK 100@0



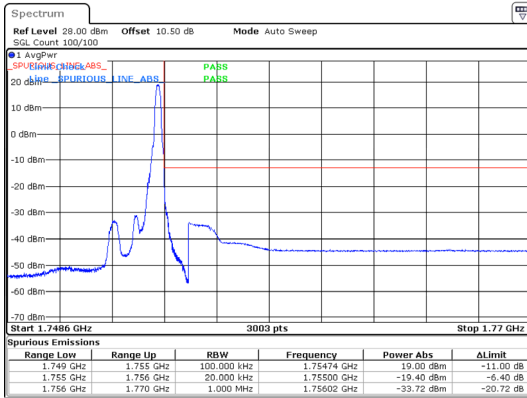
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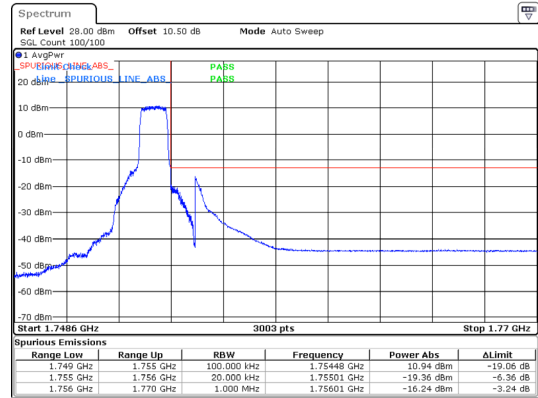
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Band 2 20MHz/1860.0/Low 16QAM 1@0

Band 2 20MHz/1860.0/Low 16QAM 100@0



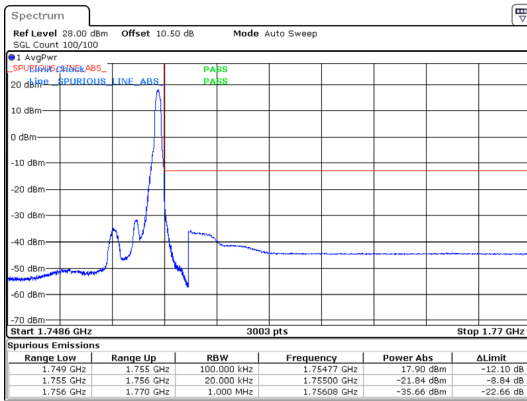
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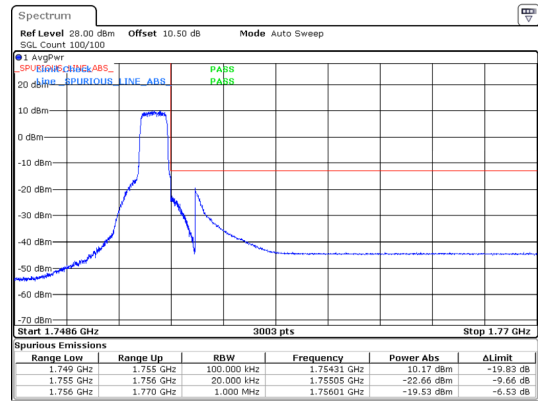
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Band 4 1.4MHz/1754.3/High QPSK 1@5

Band 4 1.4MHz/1754.3/High QPSK 6@0



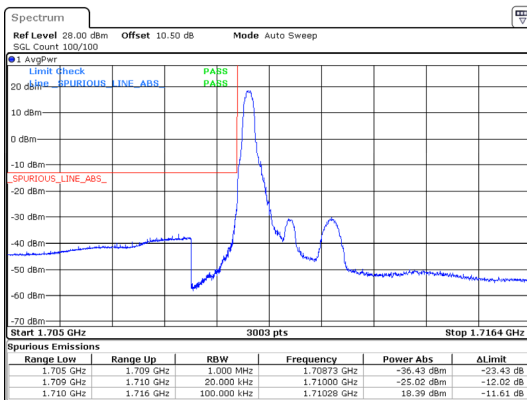
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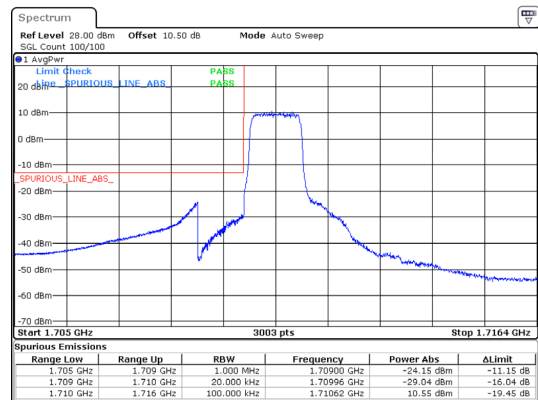
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Date: 31.DEC.2024 13:11:26

Band 4 1.4MHz/1754.3/High 16QAM 1@5

Band 4 1.4MHz/1754.3/High 16QAM 6@0



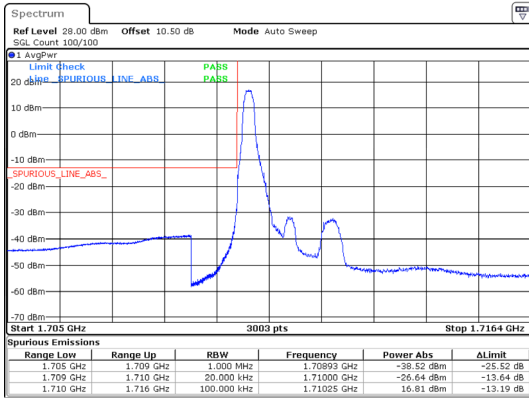
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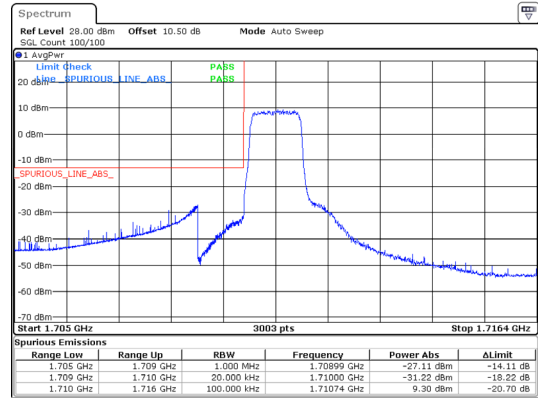
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Band 4 1.4MHz/1710.7/Low QPSK 1@0

Band 4 1.4MHz/1710.7/Low QPSK 6@0



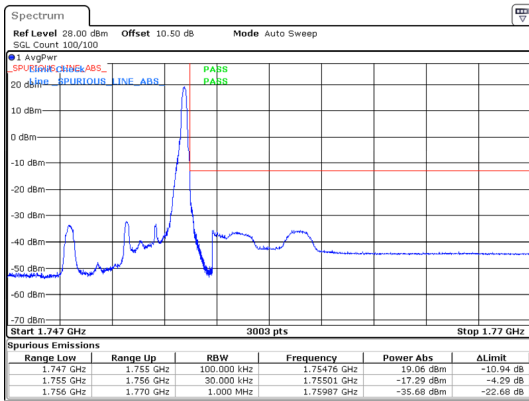
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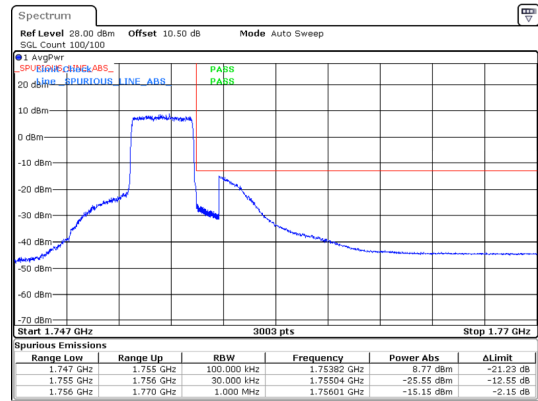
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:12:47

Band 4 1.4MHz/1710.7/Low 16QAM 1@0

Band 4 1.4MHz/1710.7/Low 16QAM 6@0



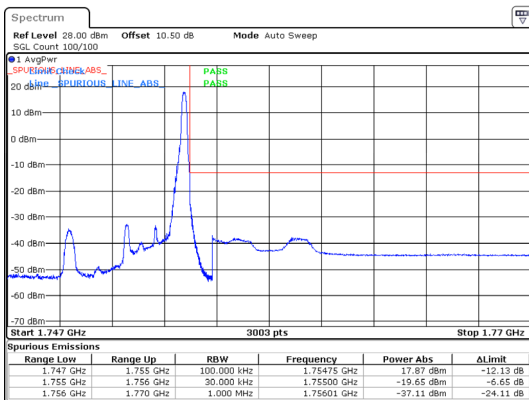
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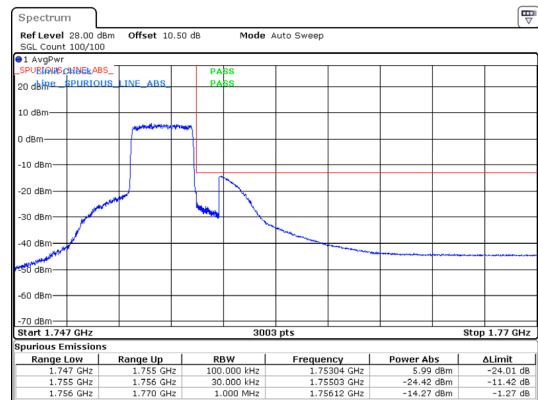
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Band 4 3MHz/1753.5/High QPSK 1@14

Band 4 3MHz/1753.5/High QPSK 15@0



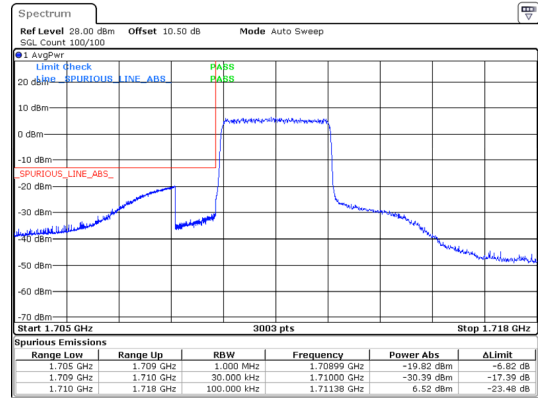
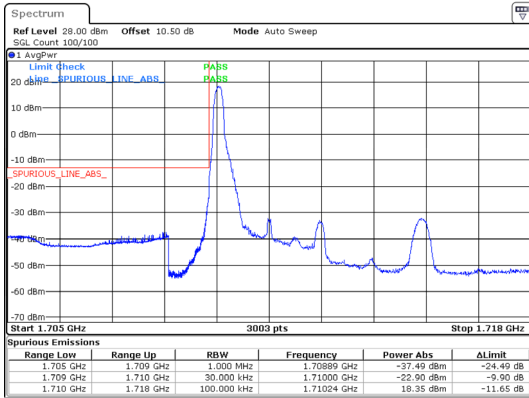
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:13:47



ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:14:02

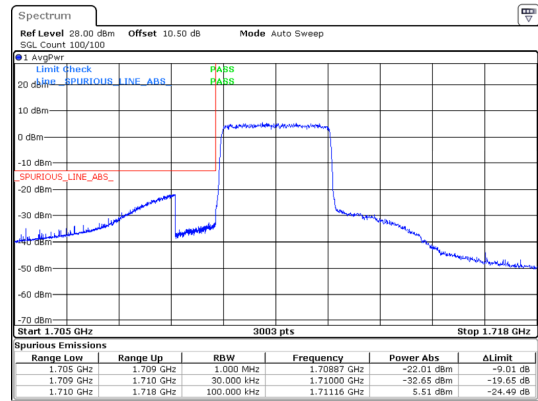
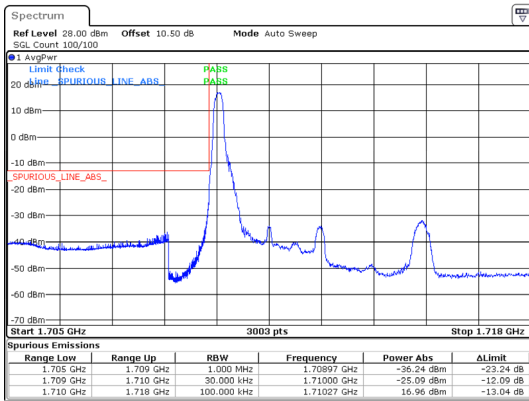
Band 4 3MHz/1753.5/High 16QAM 1@14

Band 4 3MHz/1753.5/High 16QAM 15@0



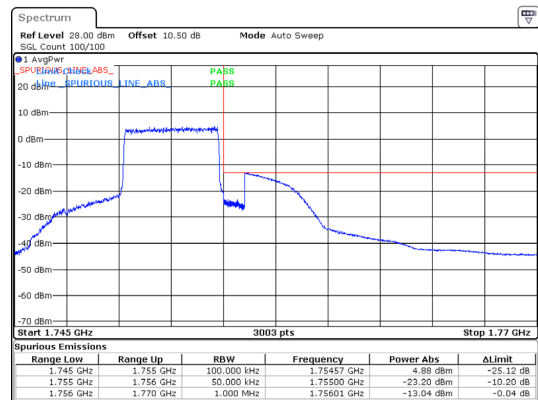
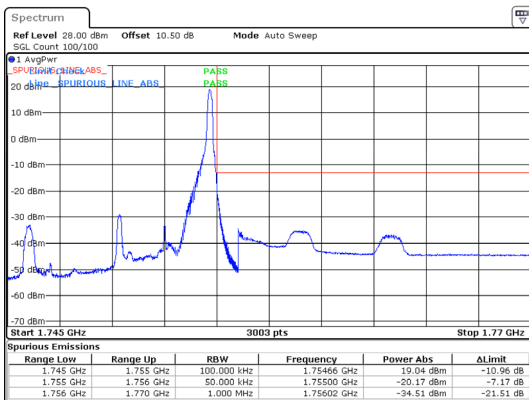
Band 4 3MHz/1711.5/Low QPSK 1@0

Band 4 3MHz/1711.5/Low QPSK 15@0



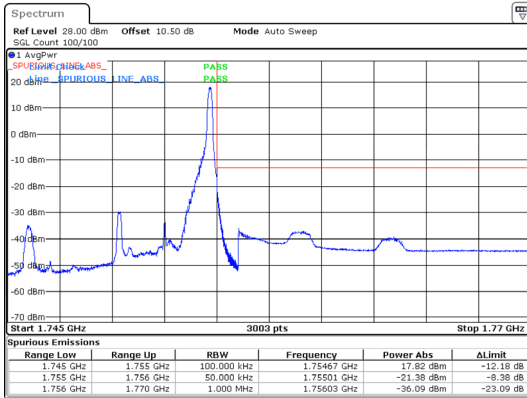
Band 4 3MHz/1711.5/Low 16QAM 1@0

Band 4 3MHz/1711.5/Low 16QAM 15@0

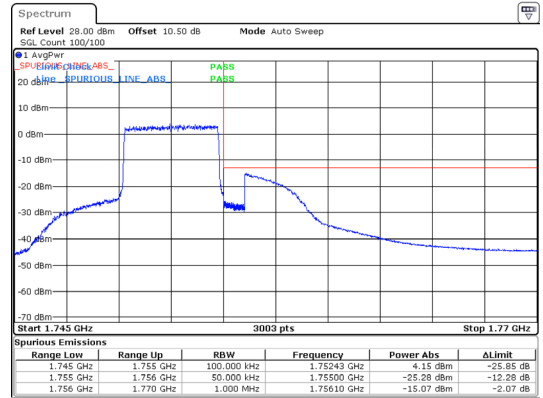


Band 4 5MHz/1752.5/High QPSK 1@24

Band 4 5MHz/1752.5/High QPSK 25@0



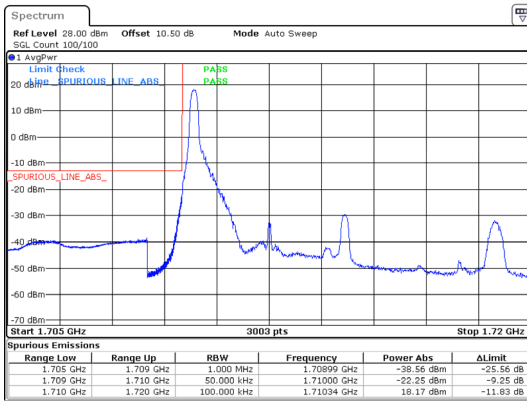
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:18:34



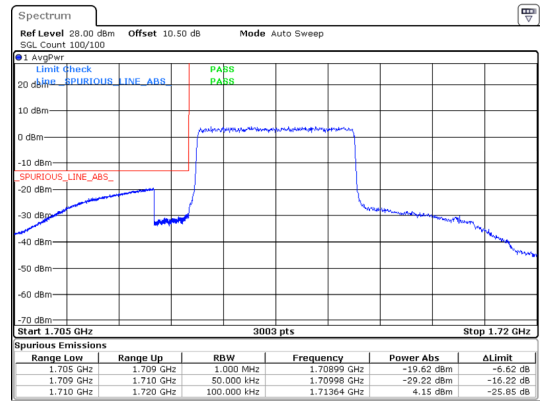
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:18:49

Band 4 5MHz/1752.5/High 16QAM 1@24

Band 4 5MHz/1752.5/High 16QAM 25@0



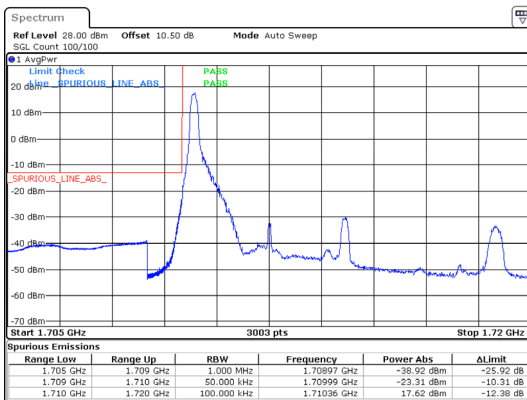
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Date: 31.DEC.2024 13:19:06



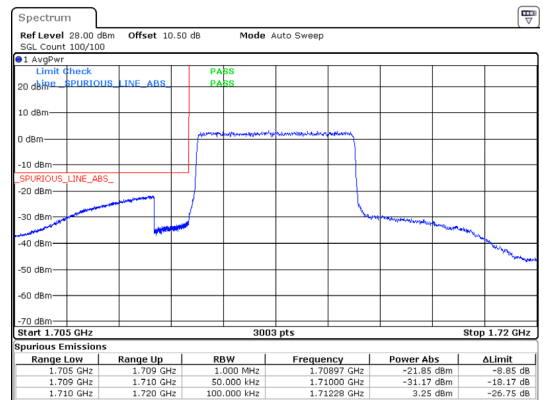
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:19:21

Band 4 5MHz/1712.5/Low QPSK 1@0

Band 4 5MHz/1712.5/Low QPSK 25@0



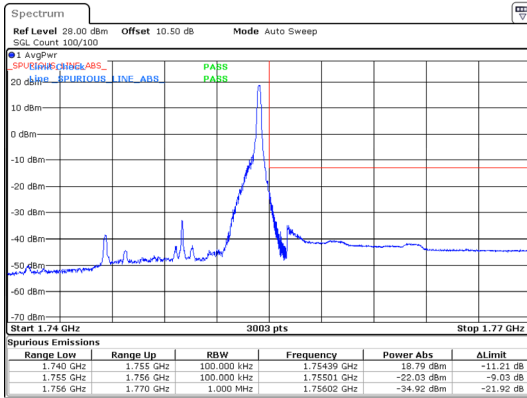
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Date: 31.DEC.2024 13:19:37



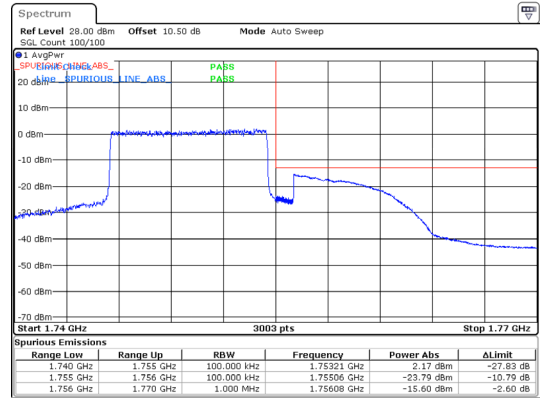
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:19:52

Band 4 5MHz/1712.5/Low 16QAM 1@0

Band 4 5MHz/1712.5/Low 16QAM 25@0



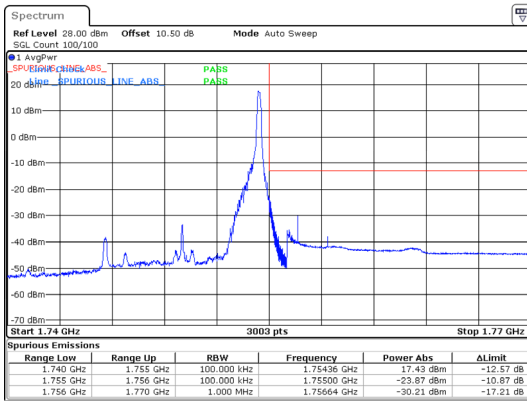
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Date: 31.DEC.2024 13:20:18



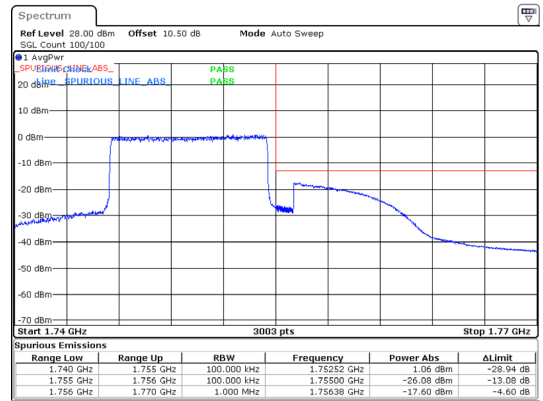
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:20:33

Band 4 10MHz/1750.0/High QPSK 1@49

Band 4 10MHz/1750.0/High QPSK 50@0



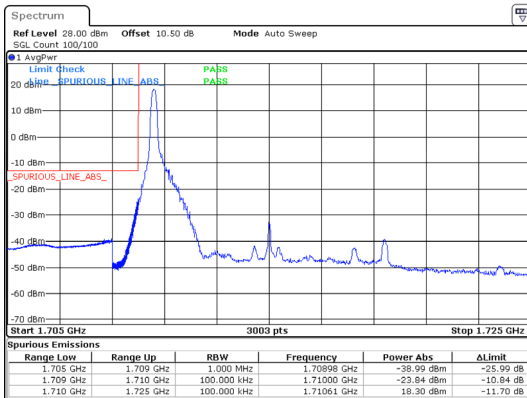
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Date: 31.DEC.2024 13:20:48



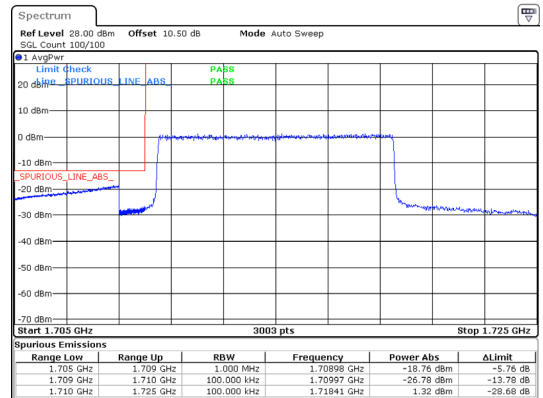
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:21:03

Band 4 10MHz/1750.0/High 16QAM 1@49

Band 4 10MHz/1750.0/High 16QAM 50@0



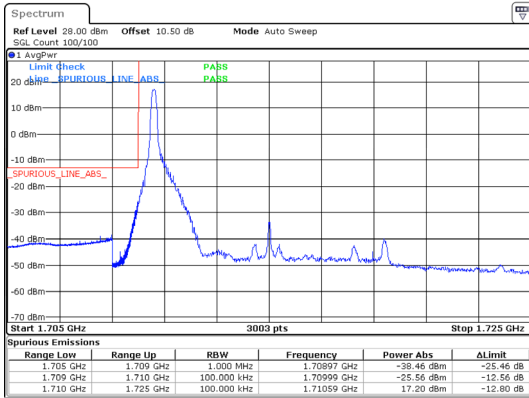
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Date: 31.DEC.2024 13:21:21



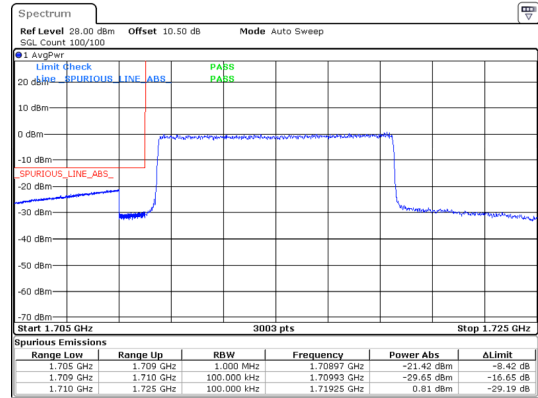
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:21:36

Band 4 10MHz/1715.0/Low QPSK 1@0

Band 4 10MHz/1715.0/Low QPSK 50@0



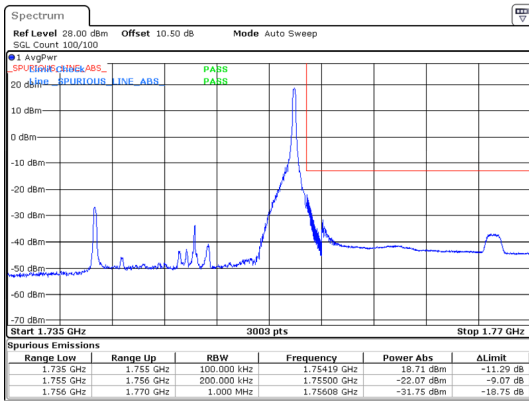
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Date: 31.DEC.2024 13:21:51



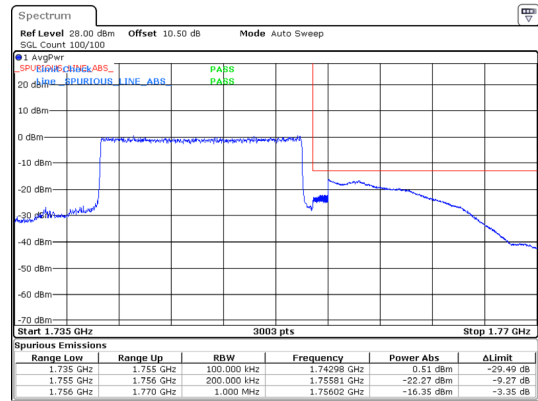
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:22:06

Band 4 10MHz/1715.0/Low 16QAM 1@0

Band 4 10MHz/1715.0/Low 16QAM 50@0



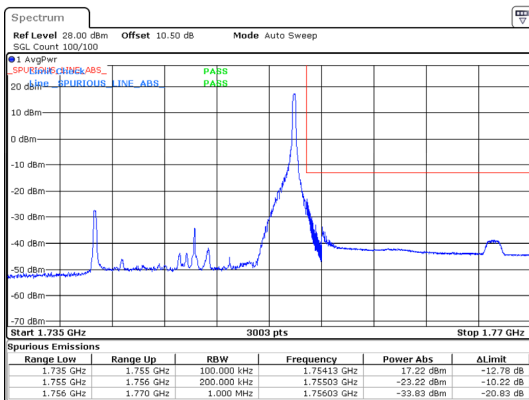
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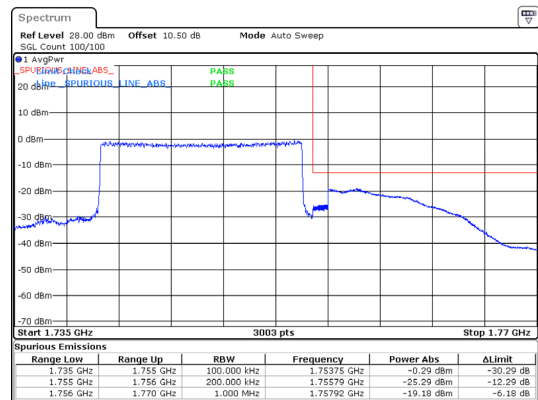
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:23:01

Band 4 15MHz/1747.5/High QPSK 1@74

Band 4 15MHz/1747.5/High QPSK 75@0



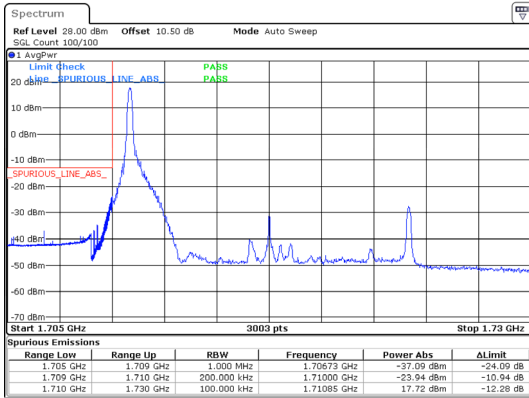
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:23:17



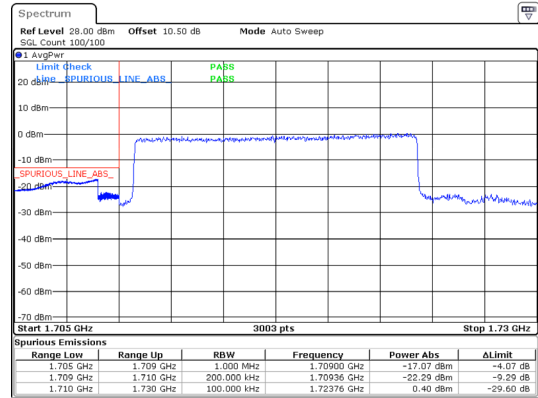
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:23:32

Band 4 15MHz/1747.5/High 16QAM 1@74

Band 4 15MHz/1747.5/High 16QAM 75@0



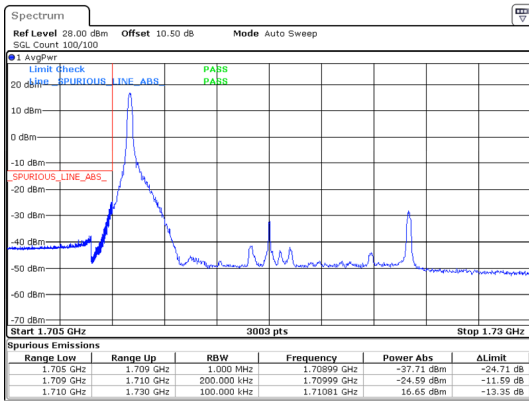
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Date: 31.DEC.2024 13:23:59



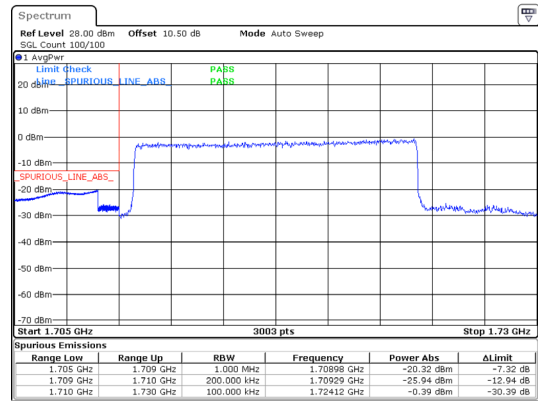
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:24:06

Band 4 15MHz/1717.5/Low QPSK 1@0

Band 4 15MHz/1717.5/Low QPSK 75@0



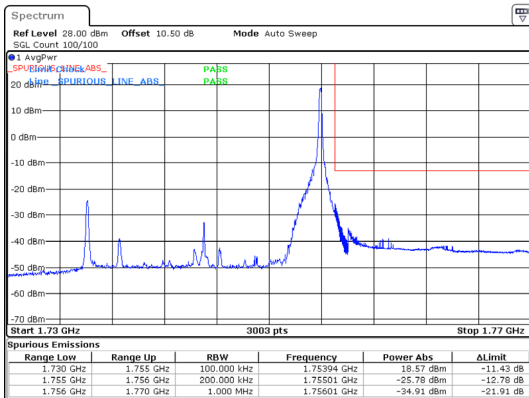
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Date: 31.DEC.2024 13:24:22



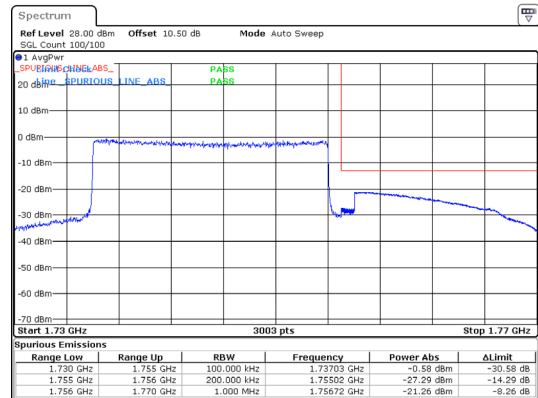
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Band 4 15MHz/1717.5/Low 16QAM 1@0

Band 4 15MHz/1717.5/Low 16QAM 75@0



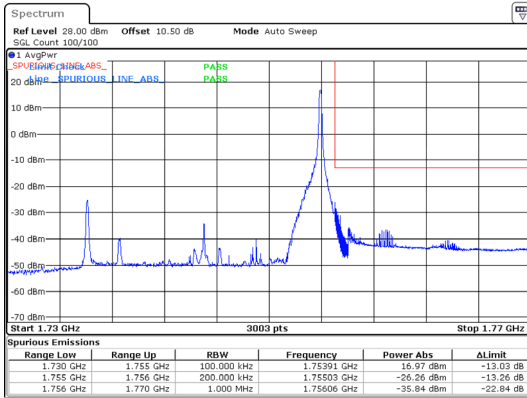
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:25:09



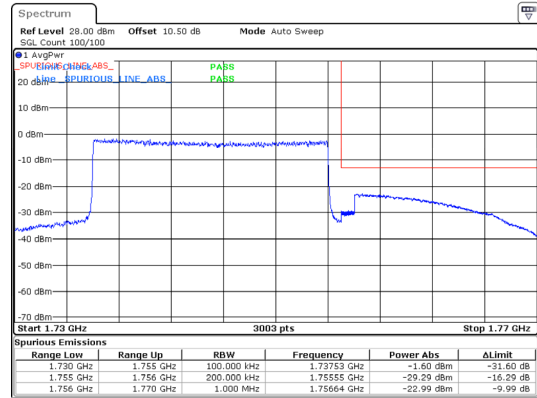
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:25:24

Band 4 20MHz/1745.0/High QPSK 1@99

Band 4 20MHz/1745.0/High QPSK 100@0



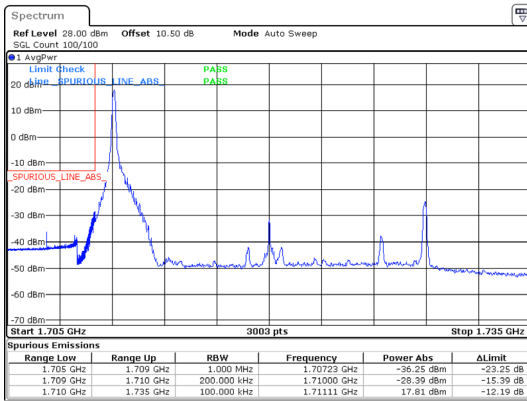
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Date: 31.DEC.2024 13:25:40



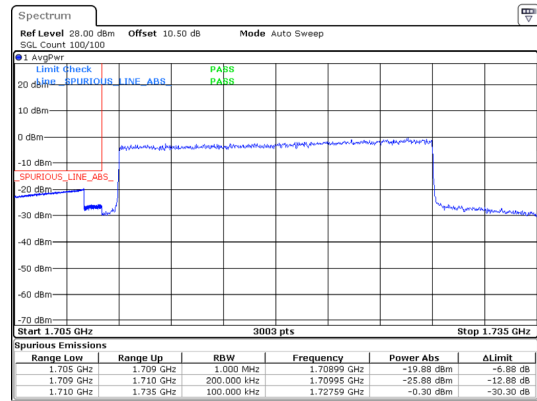
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Date: 31.DEC.2024 13:25:55

Band 4 20MHz/1745.0/High 16QAM 1@99

Band 4 20MHz/1745.0/High 16QAM 100@0



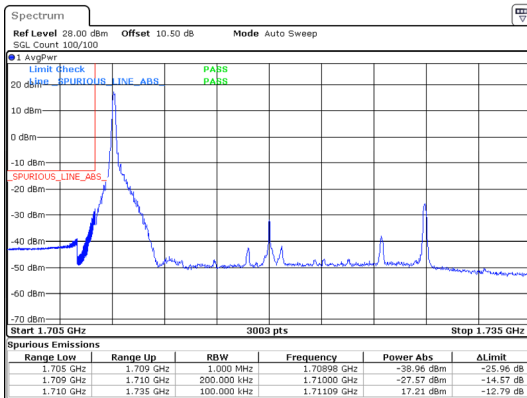
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:26:14



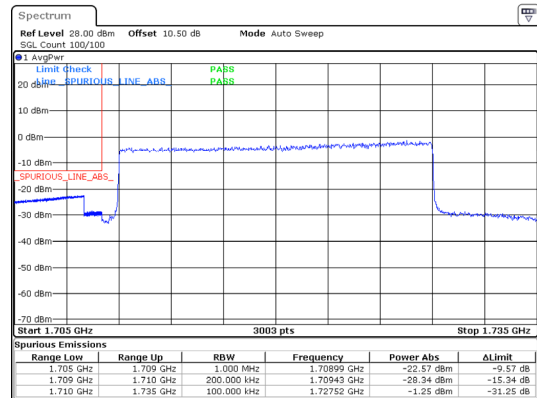
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:26:30

Band 4 20MHz/1720.0/Low QPSK 1@0

Band 4 20MHz/1720.0/Low QPSK 100@0



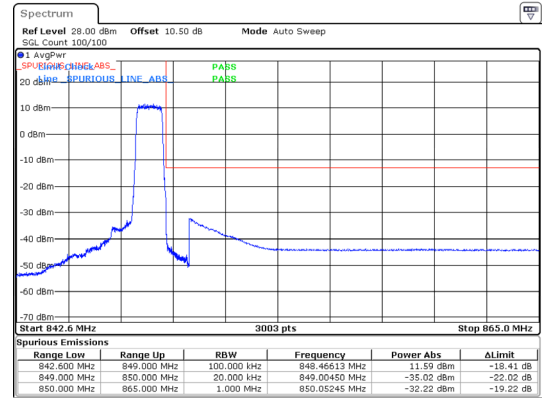
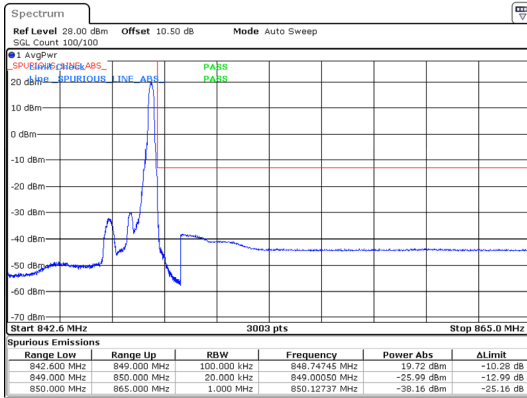
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:26:46



ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:27:03

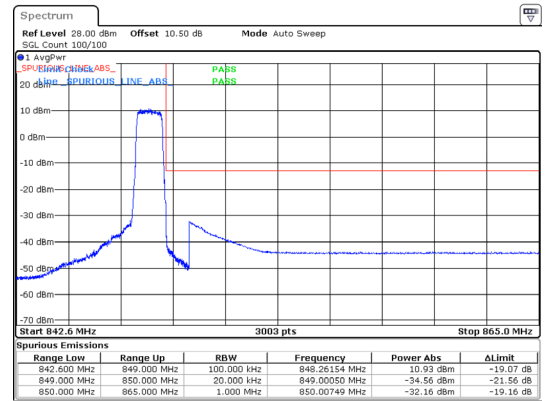
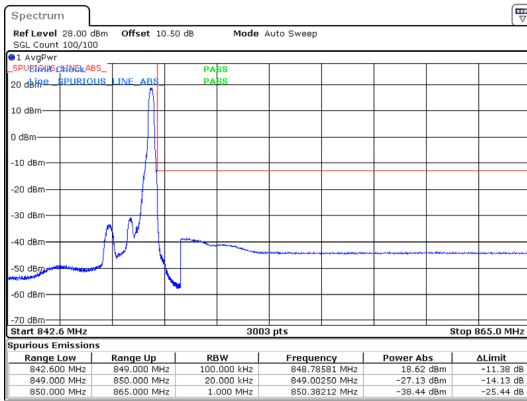
Band 4 20MHz/1720.0/Low 16QAM 1@0

Band 4 20MHz/1720.0/Low 16QAM 100@0



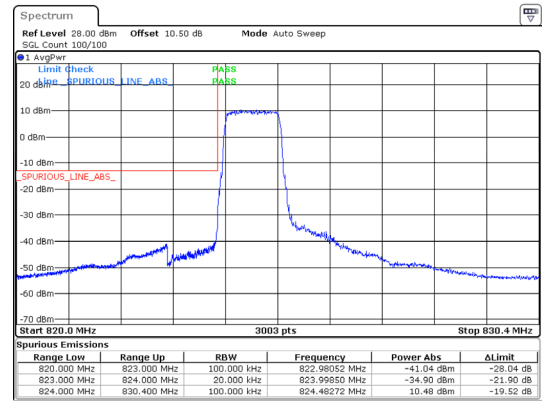
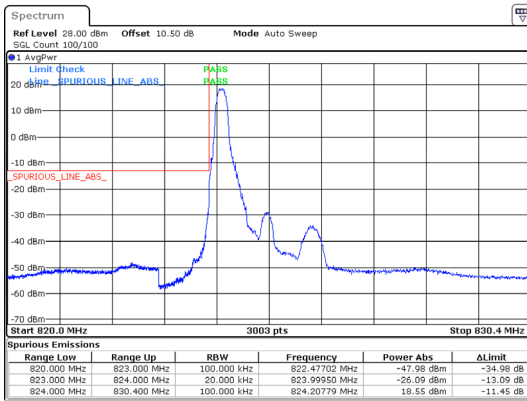
Band 5 1.4MHz/848.3/High QPSK 1@5

Band 5 1.4MHz/848.3/High QPSK 6@0



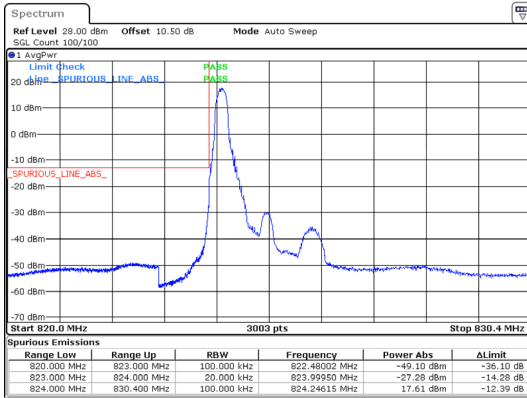
Band 5 1.4MHz/848.3/High 16QAM 1@5

Band 5 1.4MHz/848.3/High 16QAM 6@0

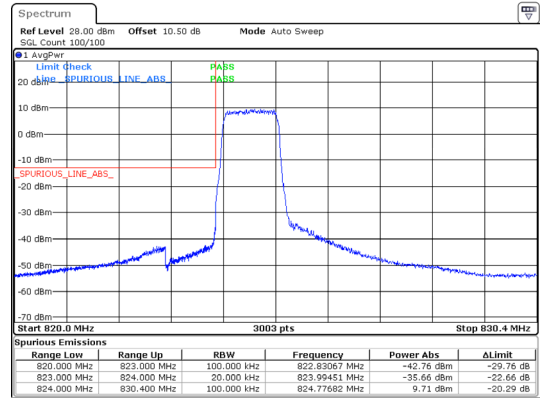


Band 5 1.4MHz/824.7/Low QPSK 1@0

Band 5 1.4MHz/824.7/Low QPSK 6@0



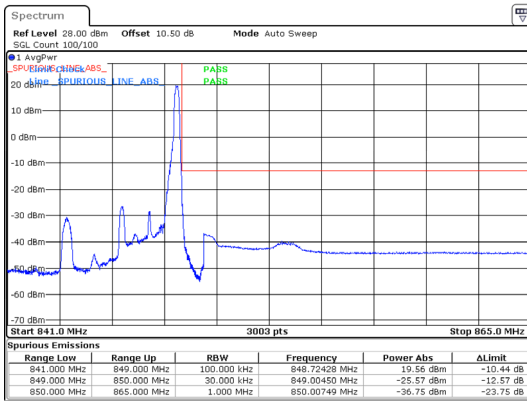
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Date: 31.DEC.2024 13:29:15



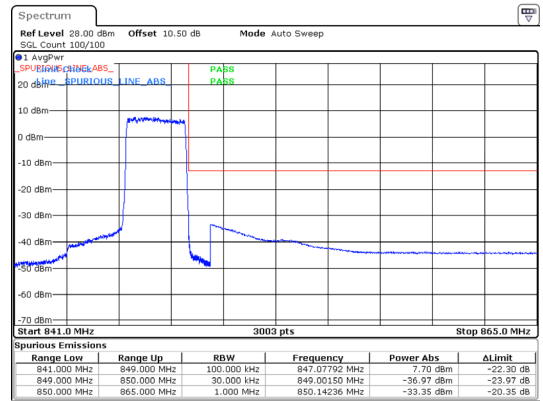
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:29:31

Band 5 1.4MHz/824.7/Low 16QAM 1@0

Band 5 1.4MHz/824.7/Low 16QAM 6@0



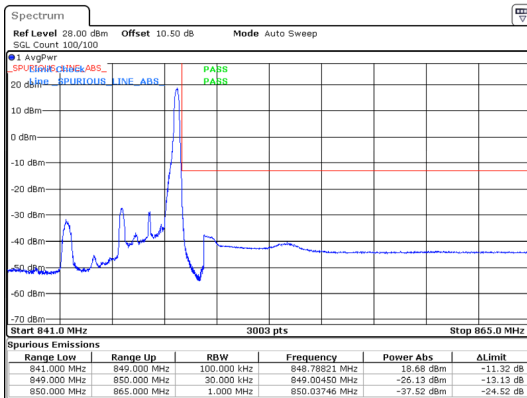
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Date: 31.DEC.2024 13:30:04



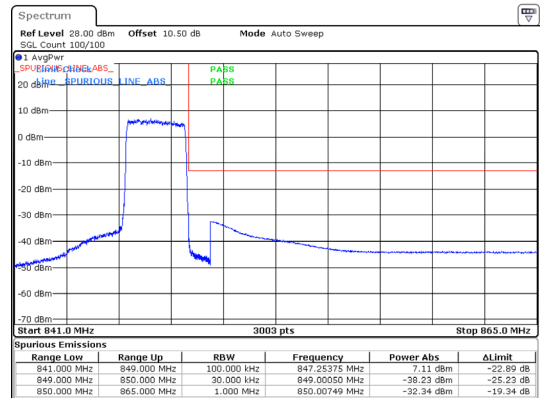
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:30:19

Band 5 3MHz/847.5/High QPSK 1@14

Band 5 3MHz/847.5/High QPSK 15@0



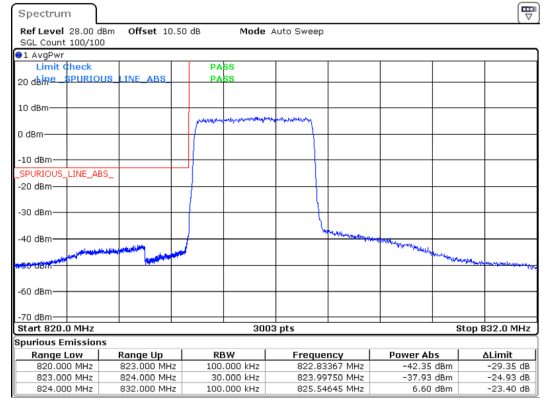
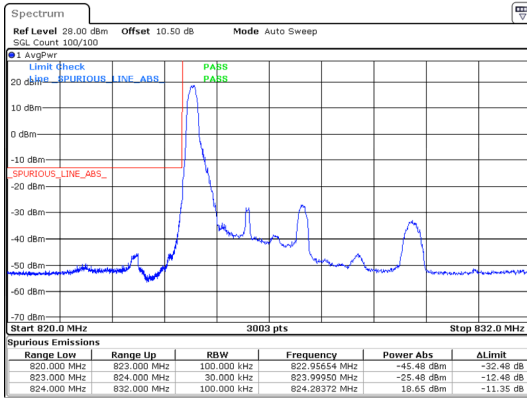
ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:30:34



ProjectNo:2401Z105021E-RF Tester:Leo Lin
Date: 31.DEC.2024 13:30:49

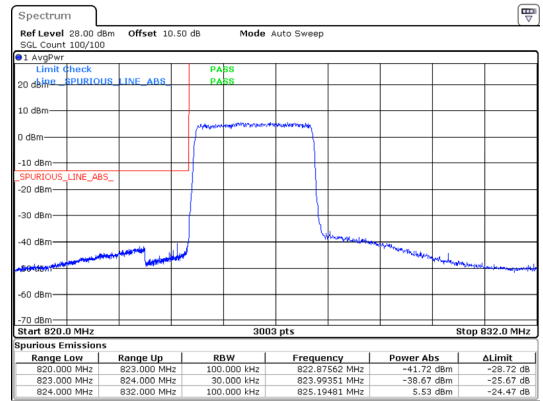
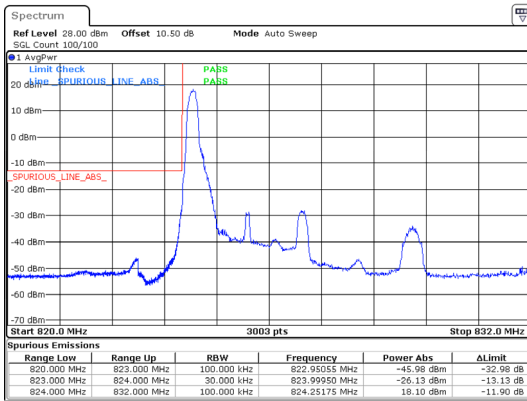
Band 5 3MHz/847.5/High 16QAM 1@14

Band 5 3MHz/847.5/High 16QAM 15@0



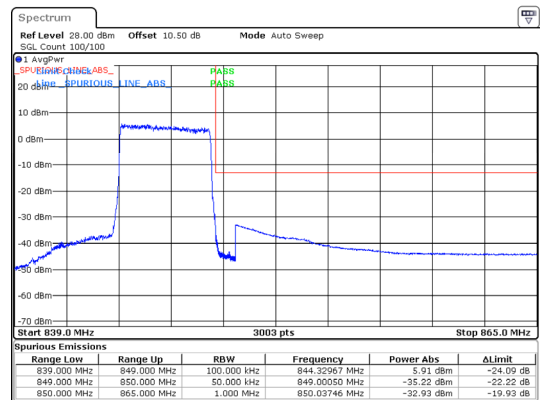
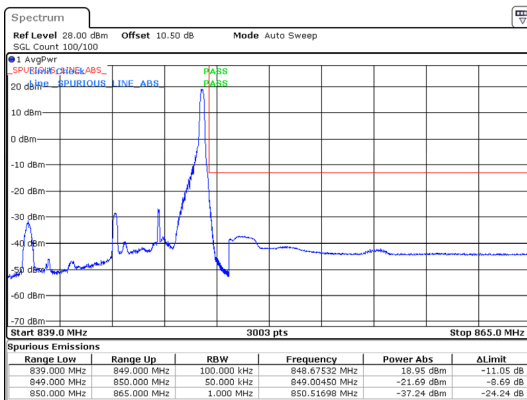
Band 5 3MHz/825.5/Low QPSK 1@0

Band 5 3MHz/825.5/Low QPSK 15@0



Band 5 3MHz/825.5/Low 16QAM 1@0

Band 5 3MHz/825.5/Low 16QAM 15@0



Band 5 5MHz/846.5/High QPSK 1@24

Band 5 5MHz/846.5/High QPSK 25@0