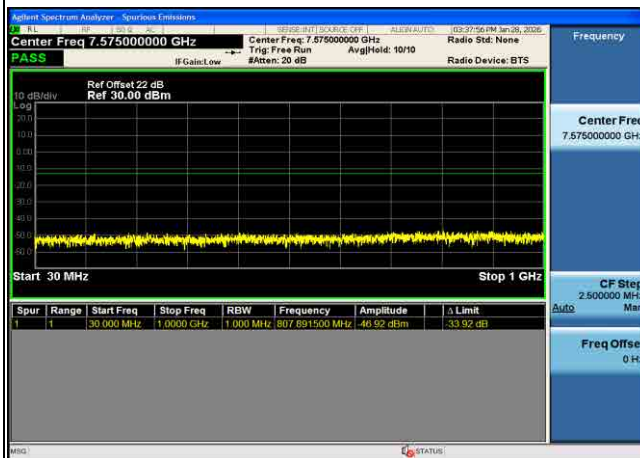
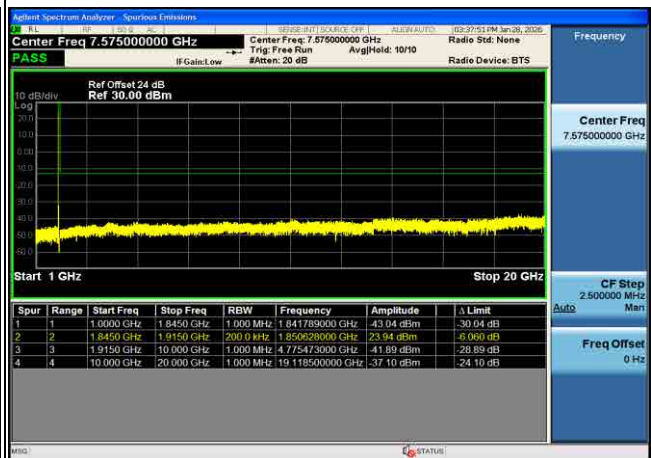


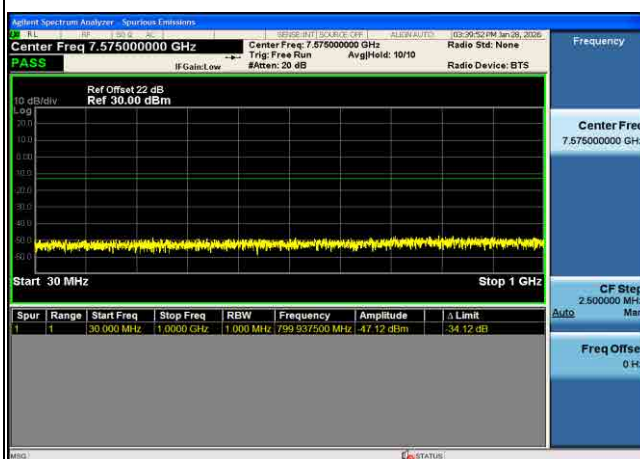
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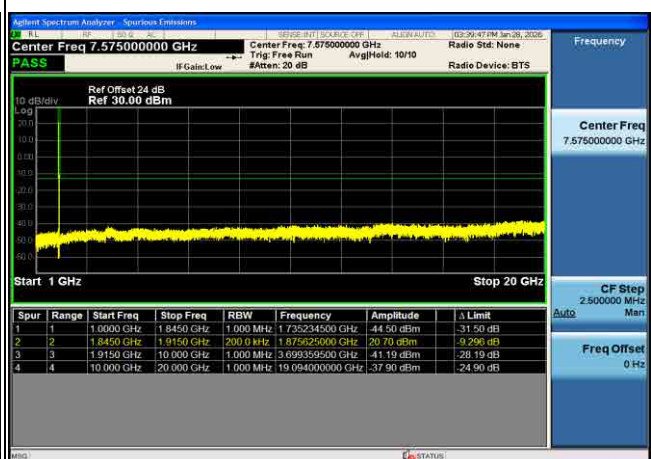
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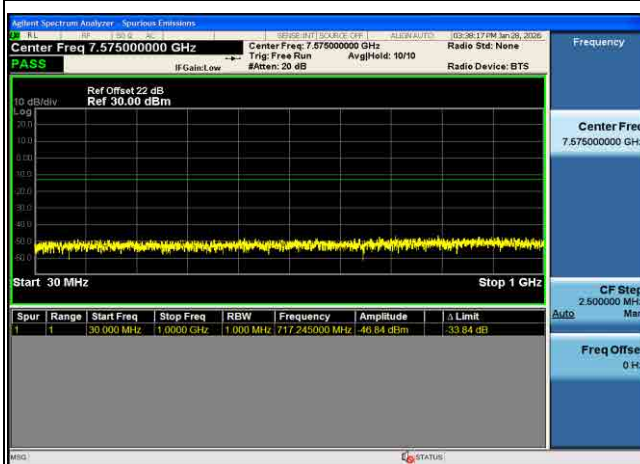
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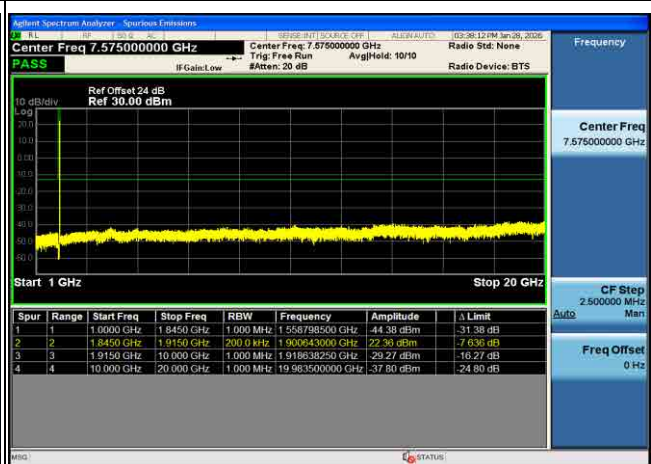
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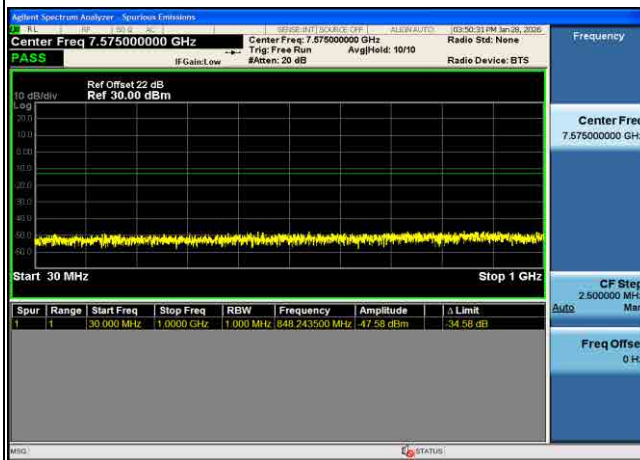
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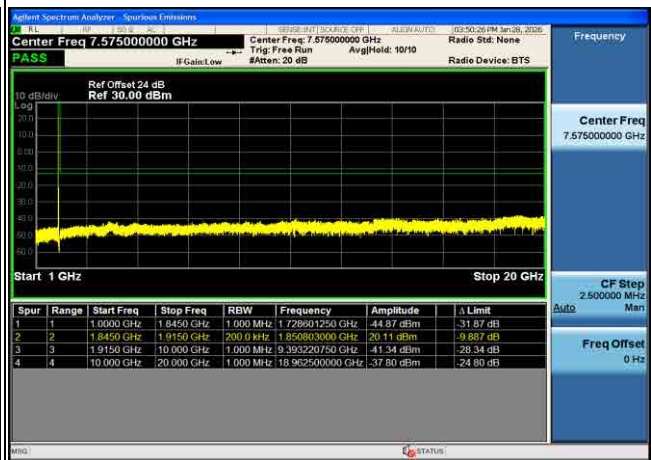
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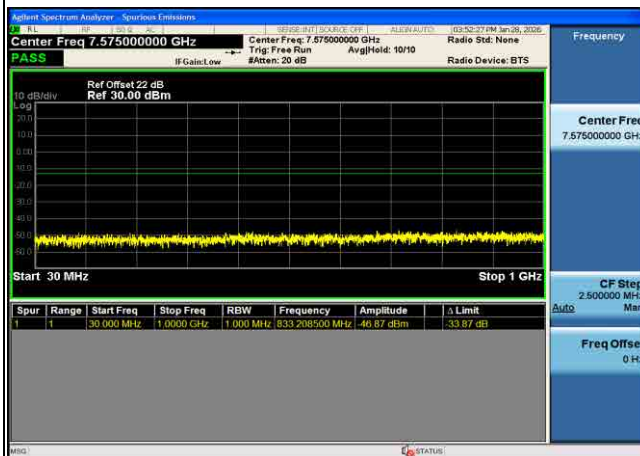
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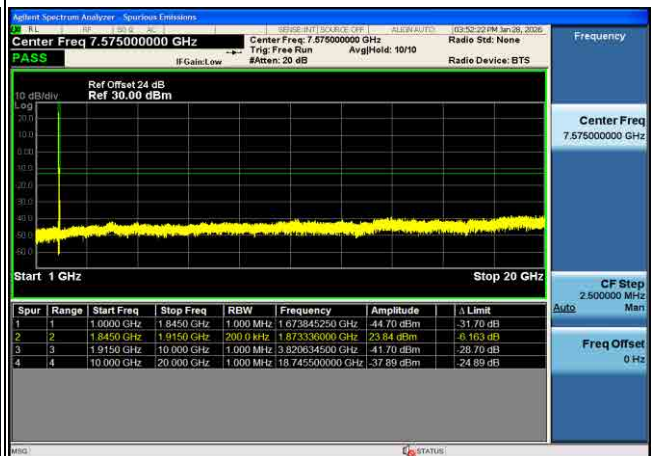
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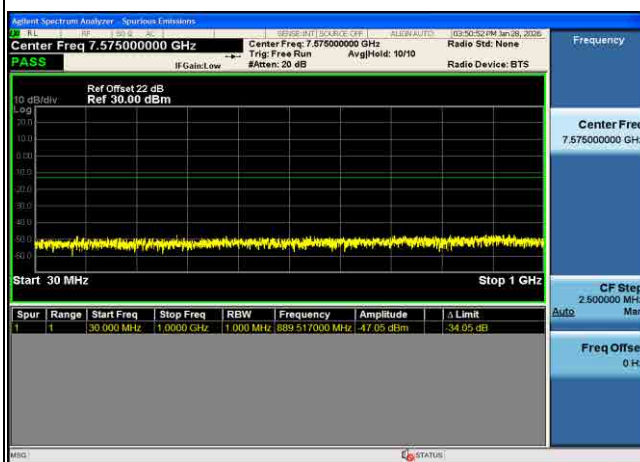
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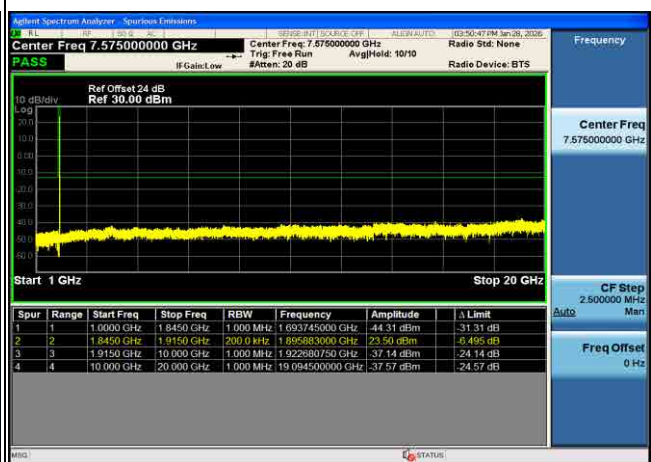
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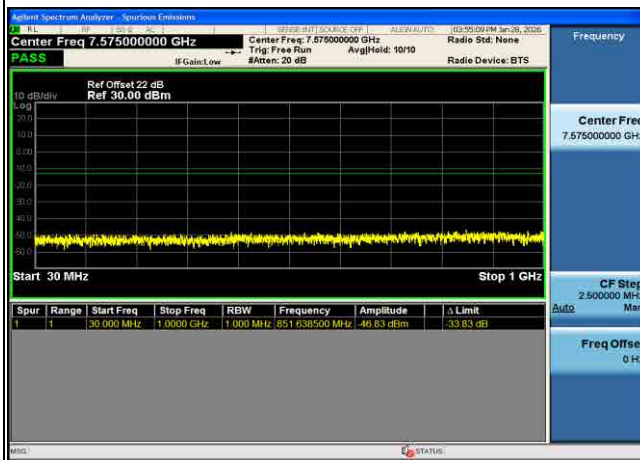
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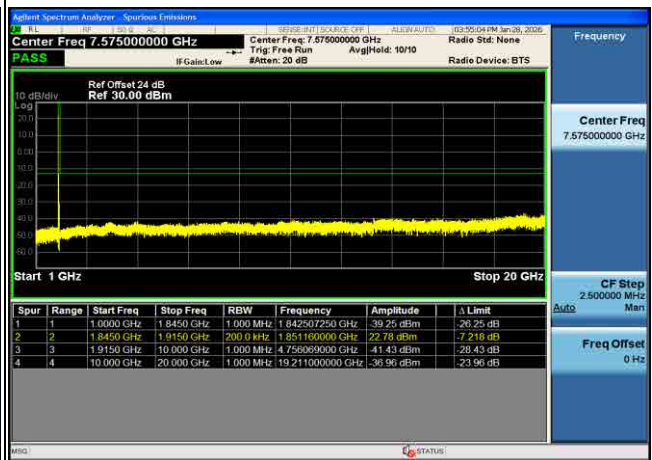
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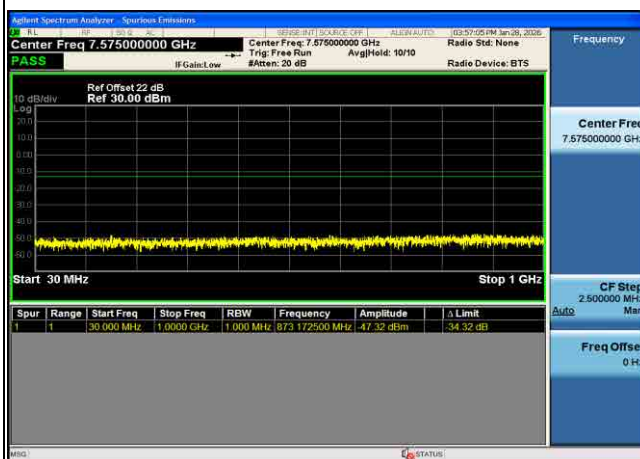
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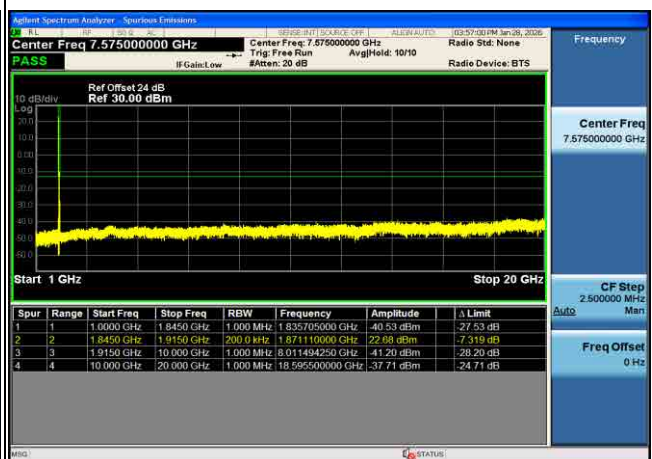
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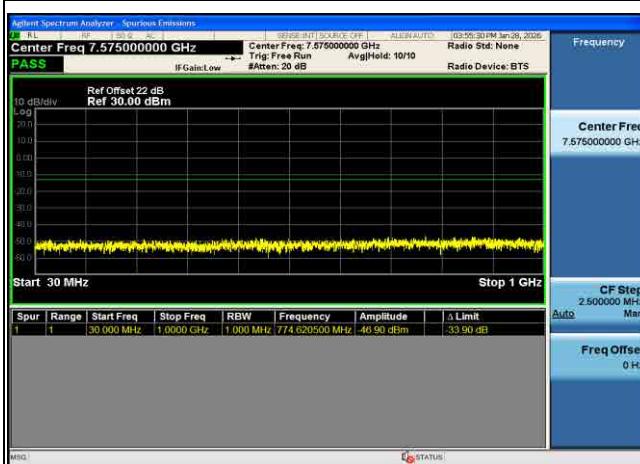
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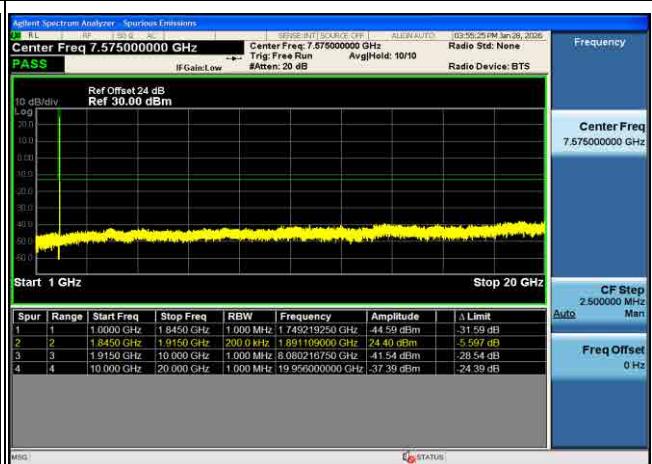
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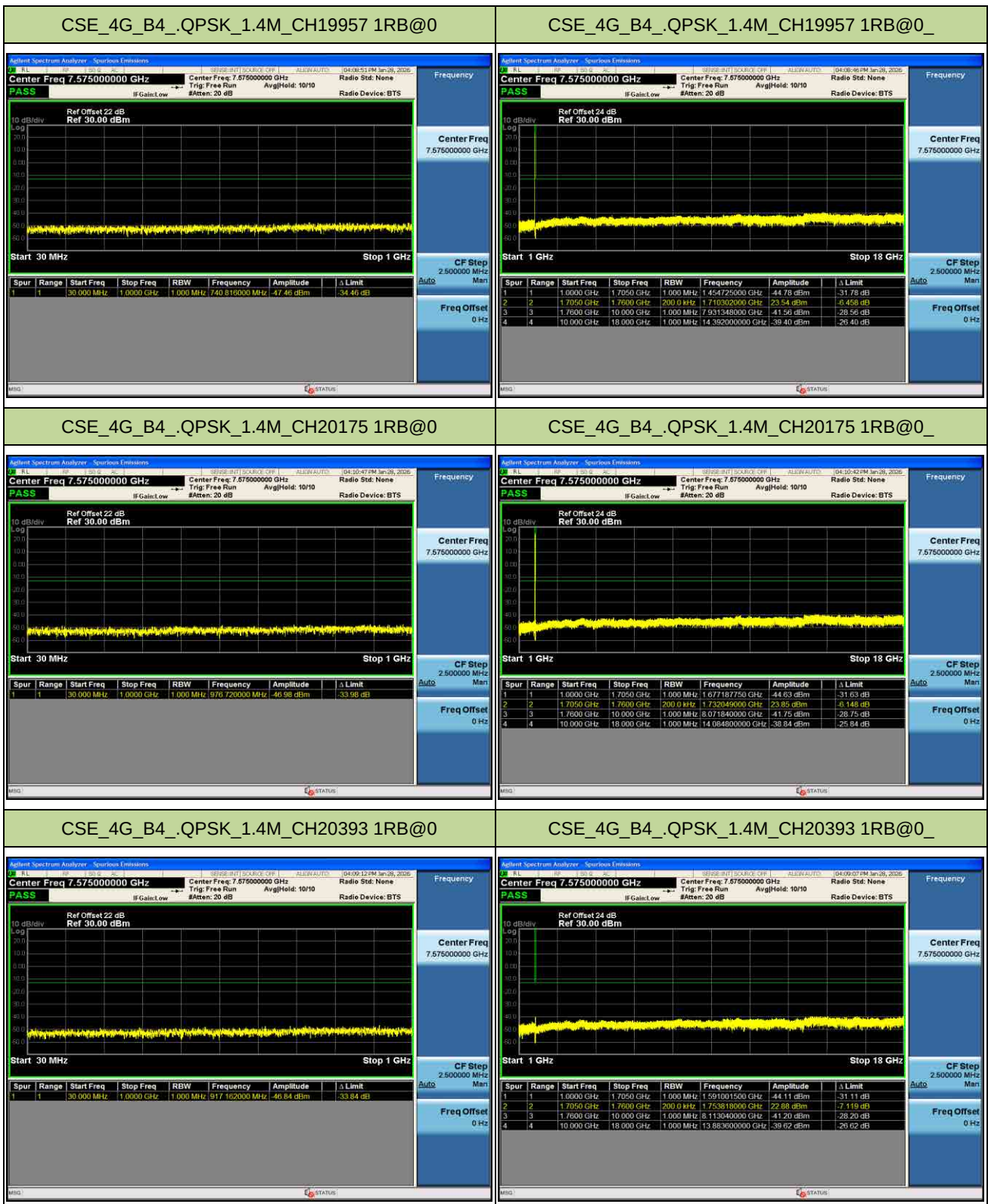
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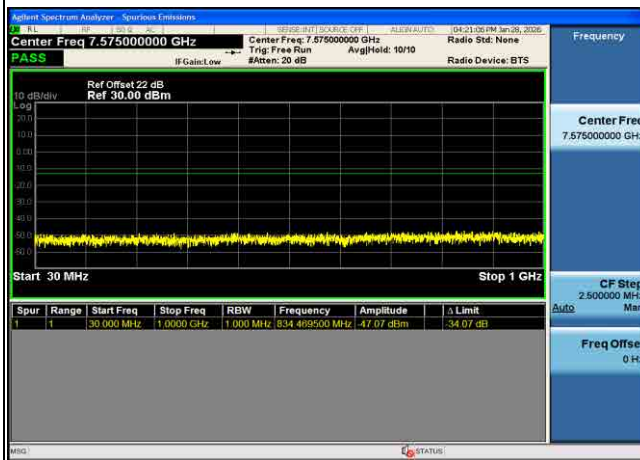
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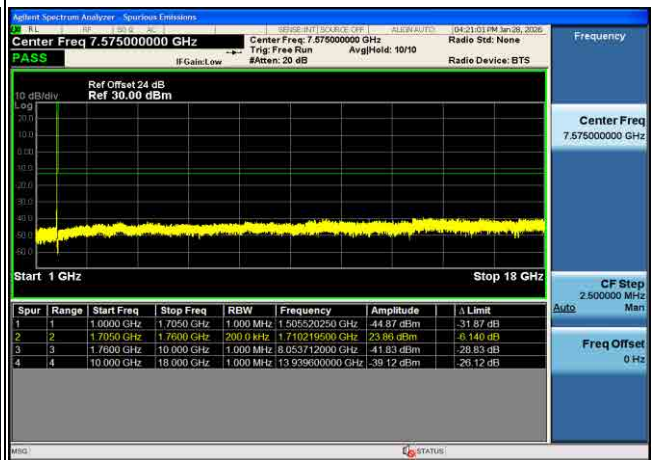
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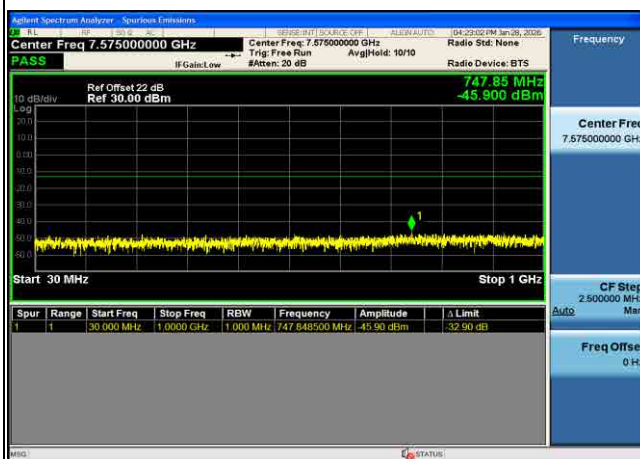
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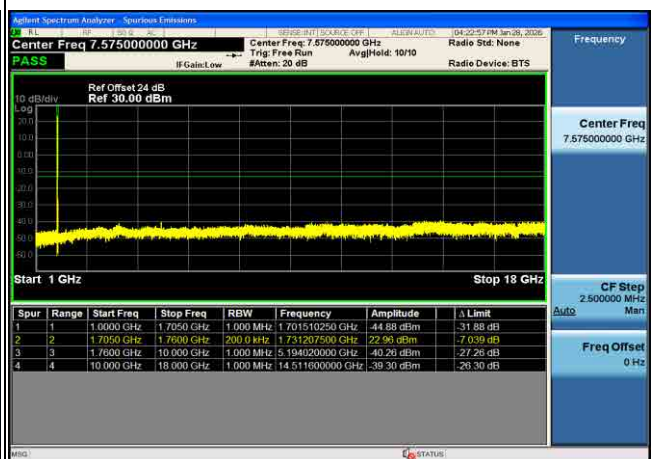
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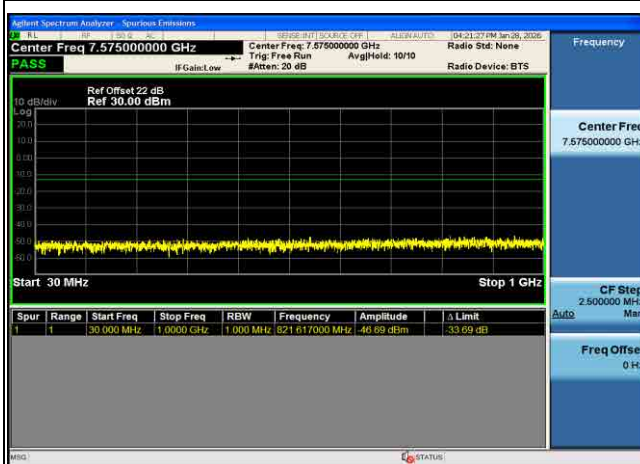
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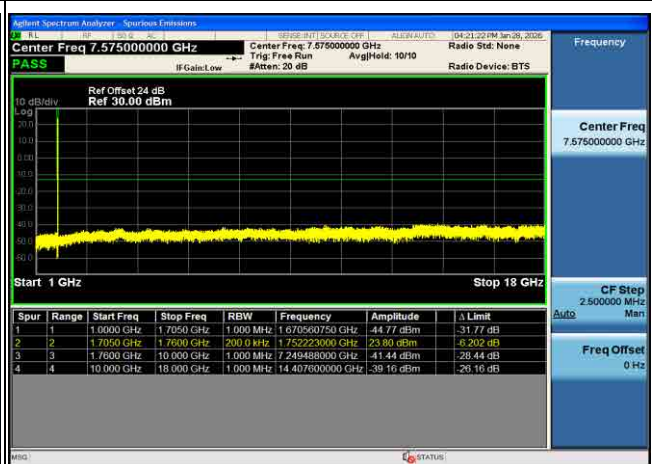
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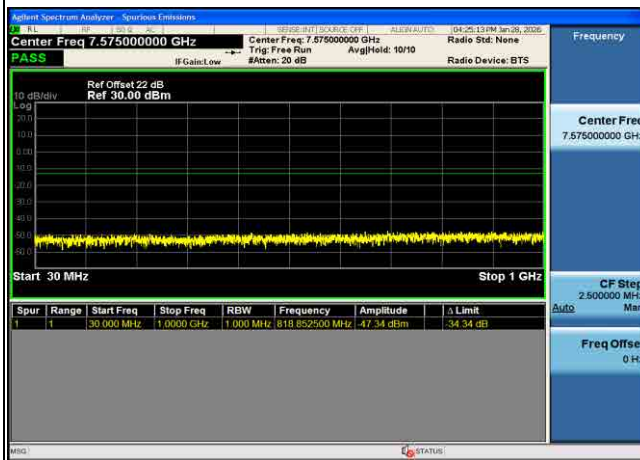
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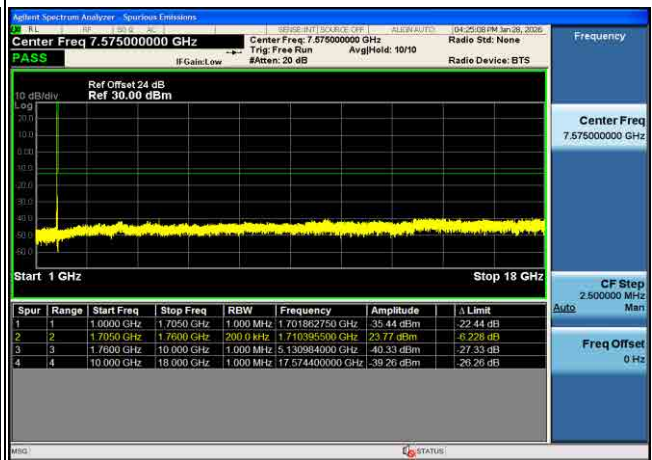
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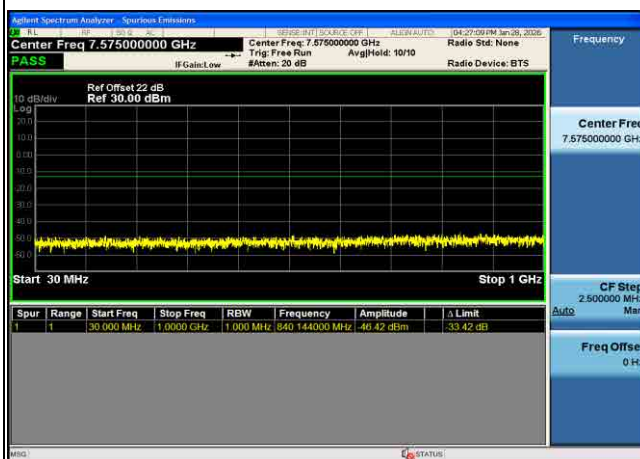
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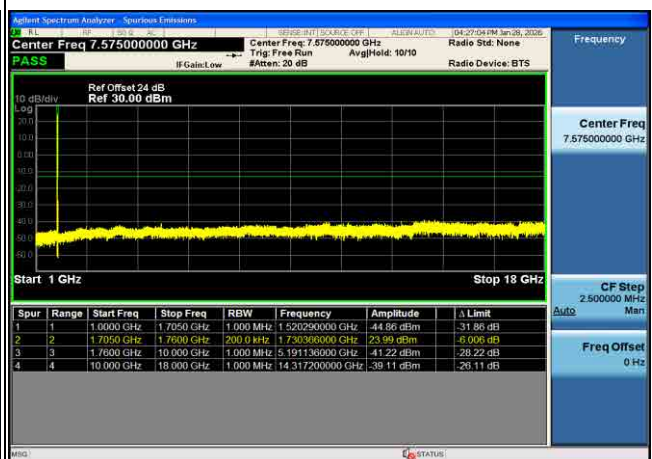
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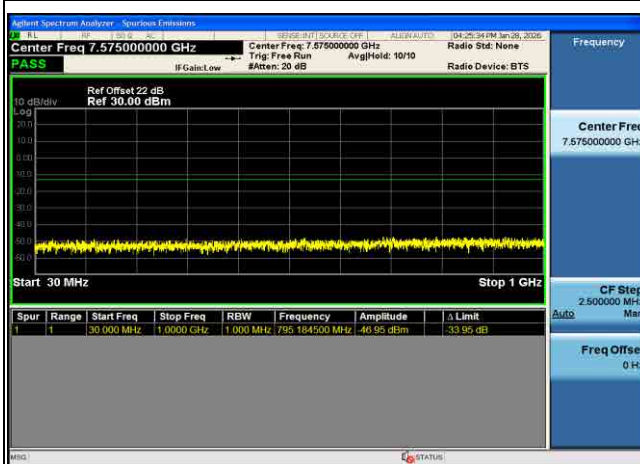
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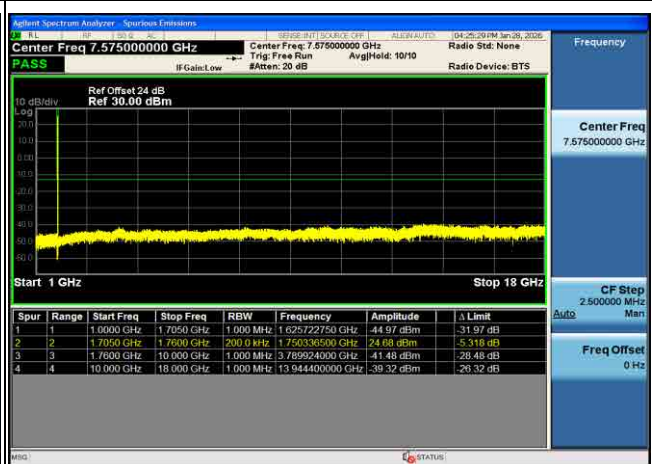
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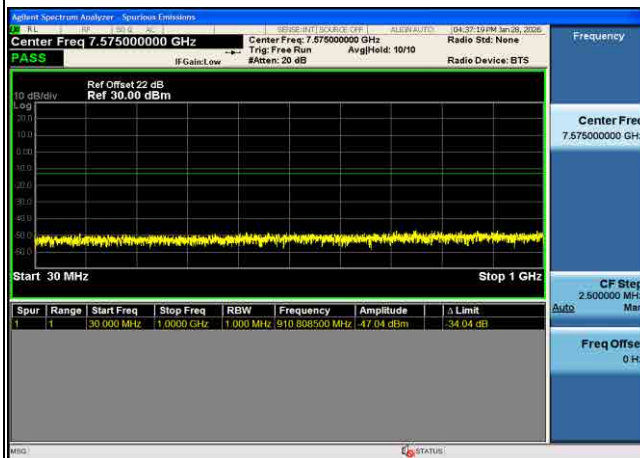
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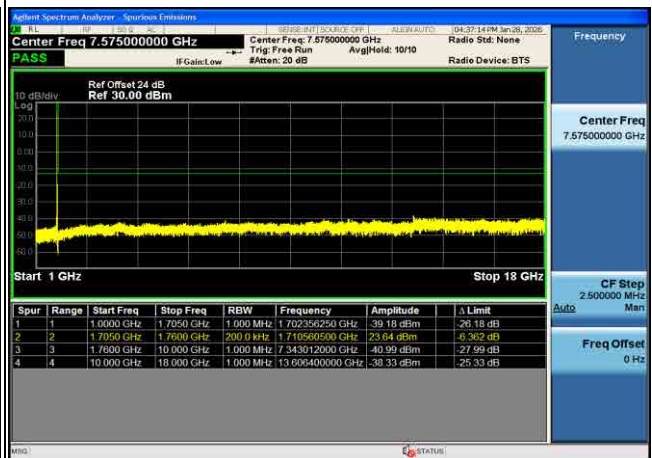
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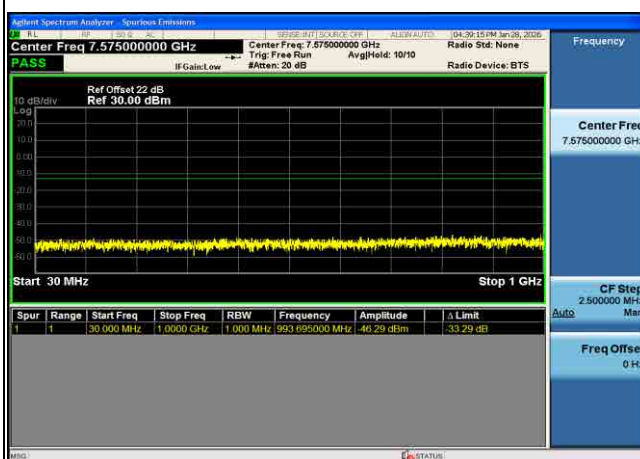
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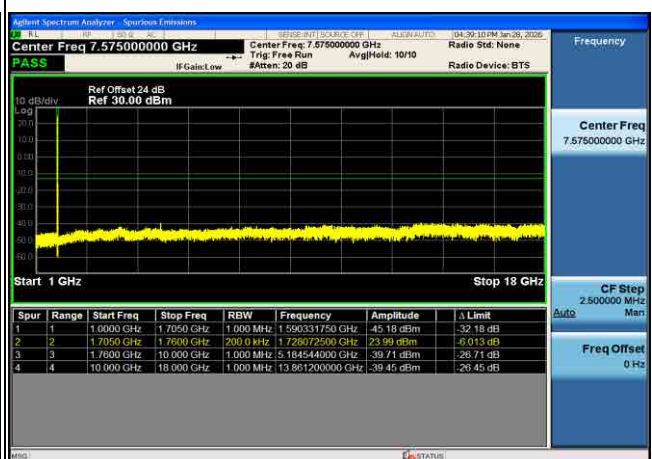
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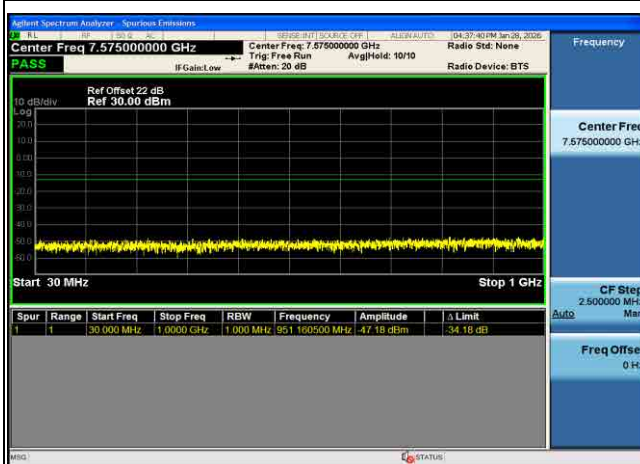
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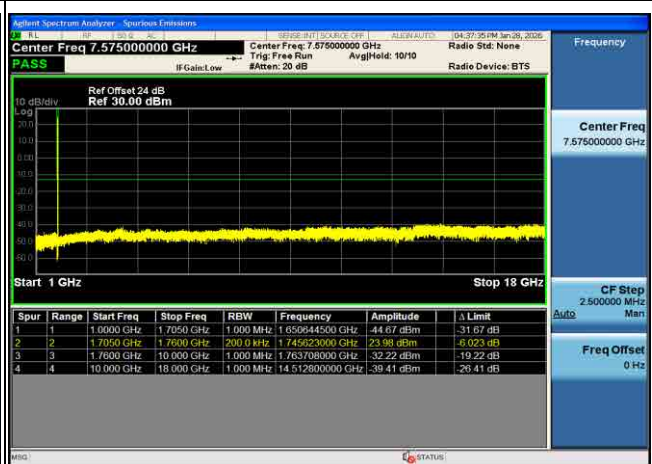
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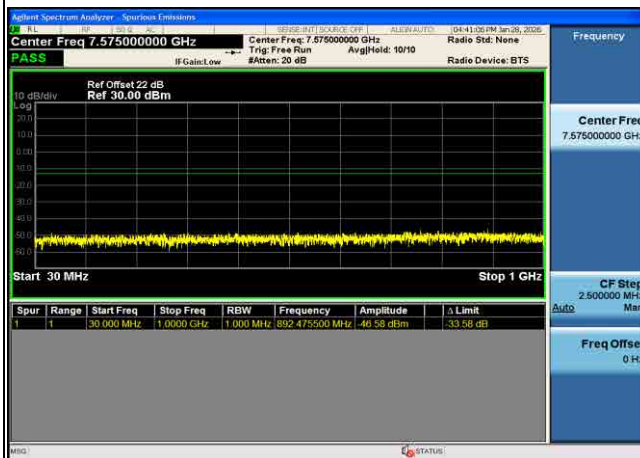
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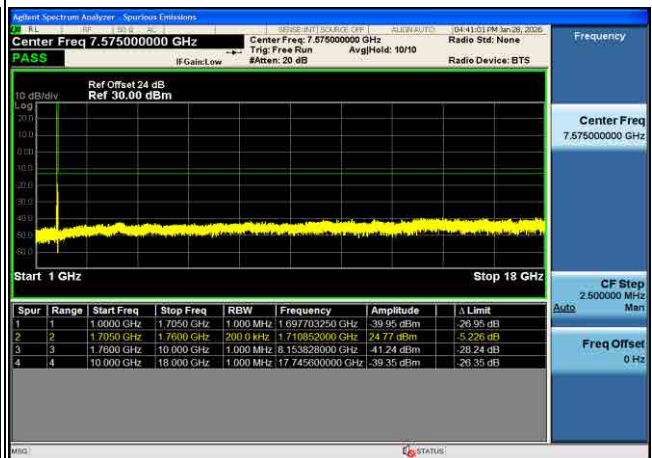
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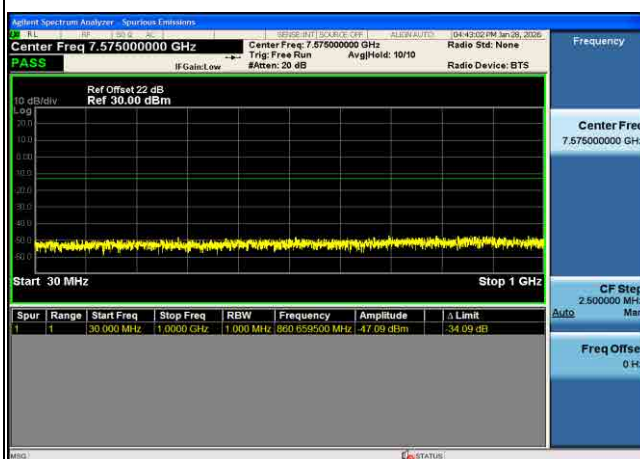
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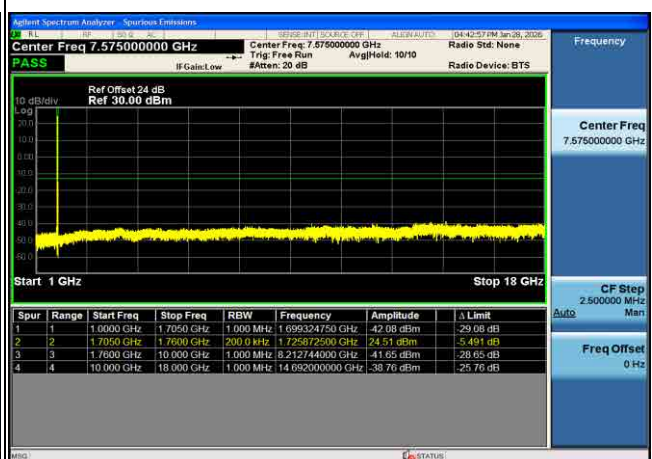
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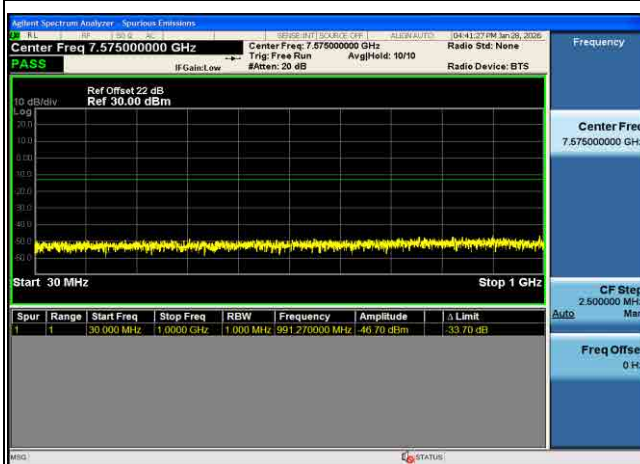
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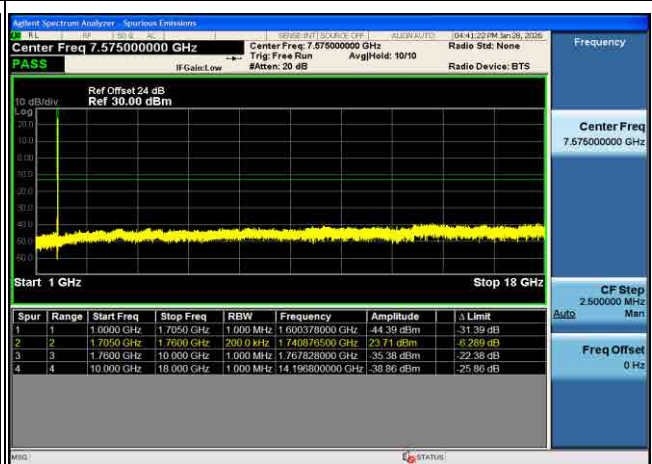
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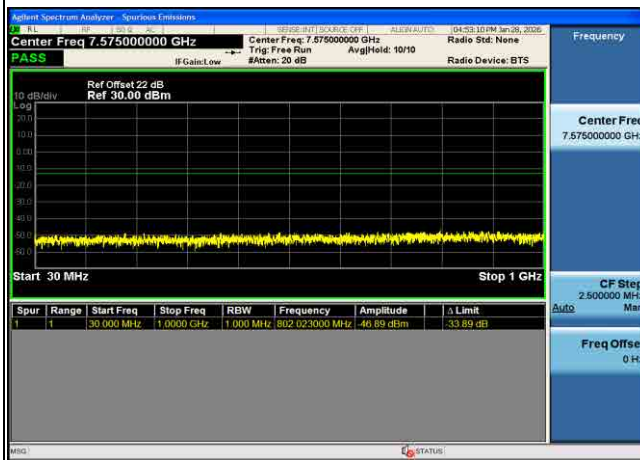
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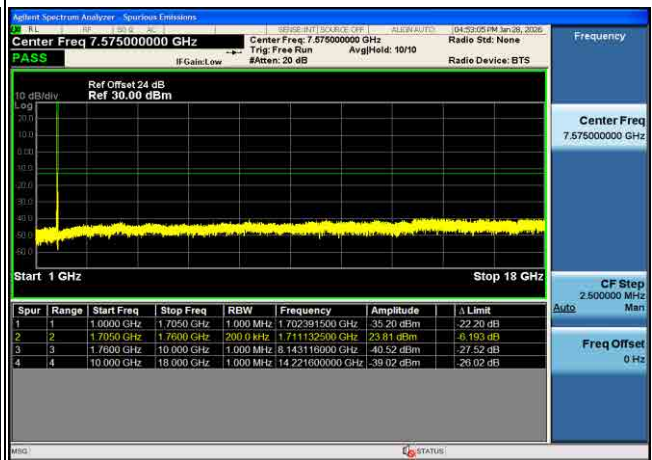
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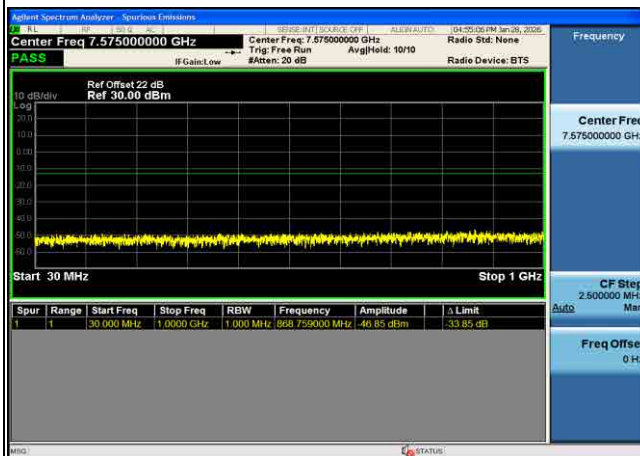
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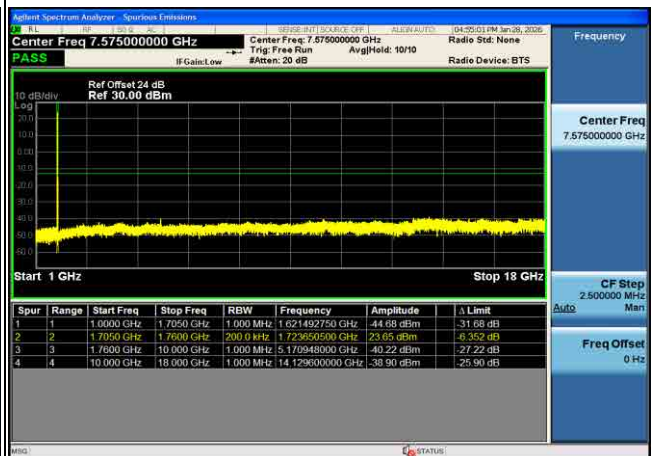
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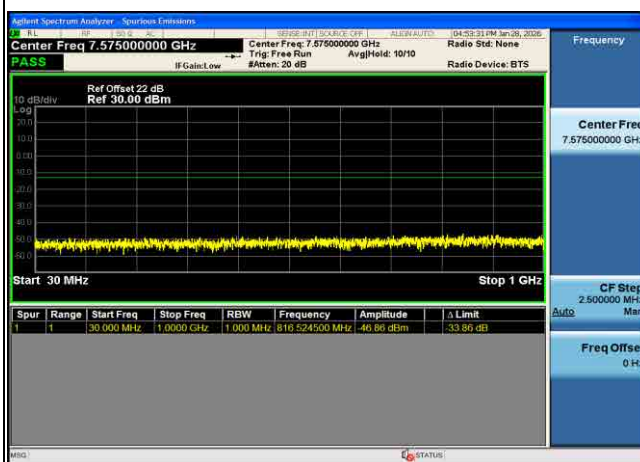
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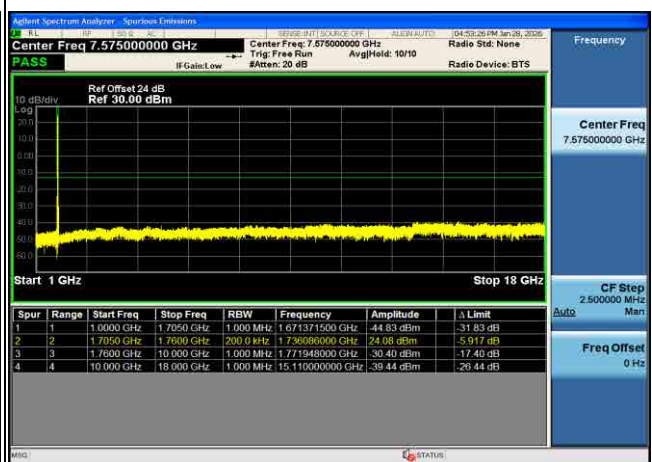
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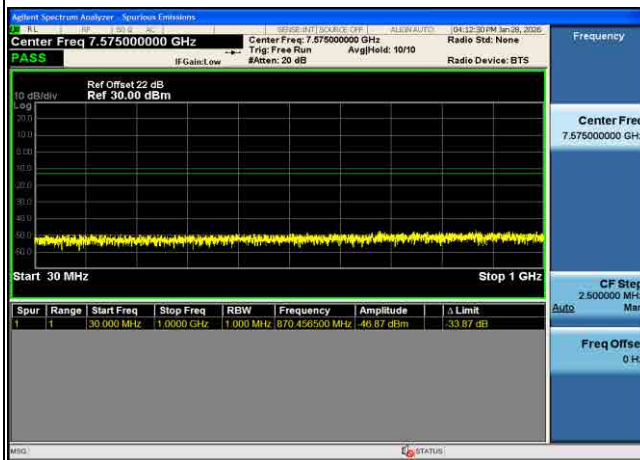
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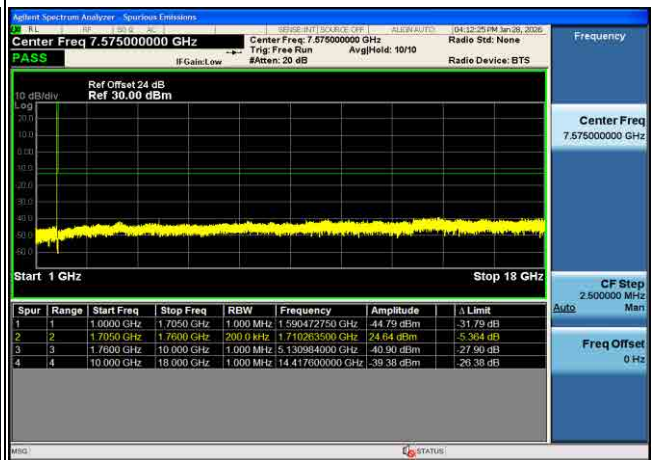
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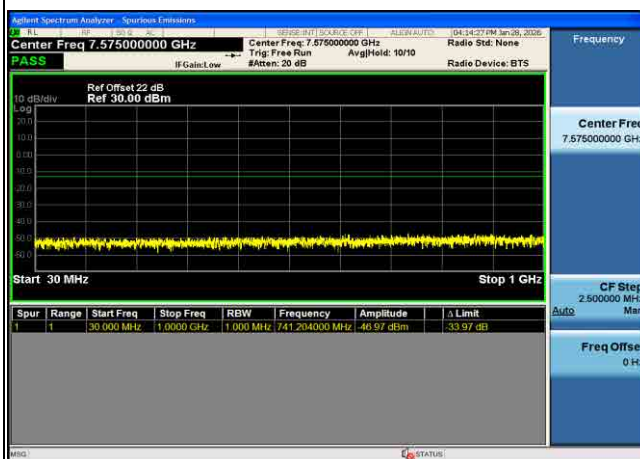
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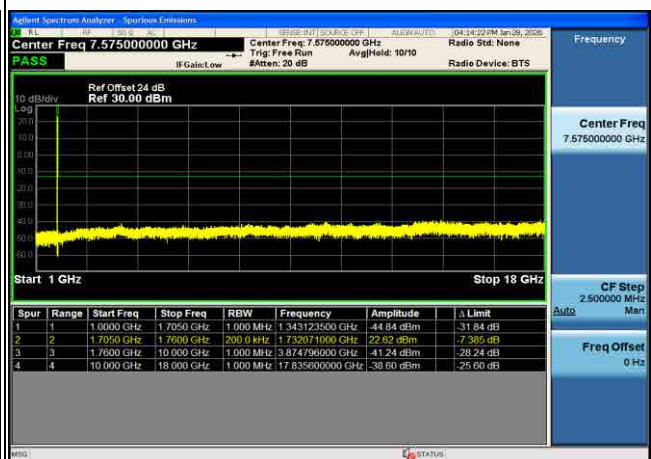
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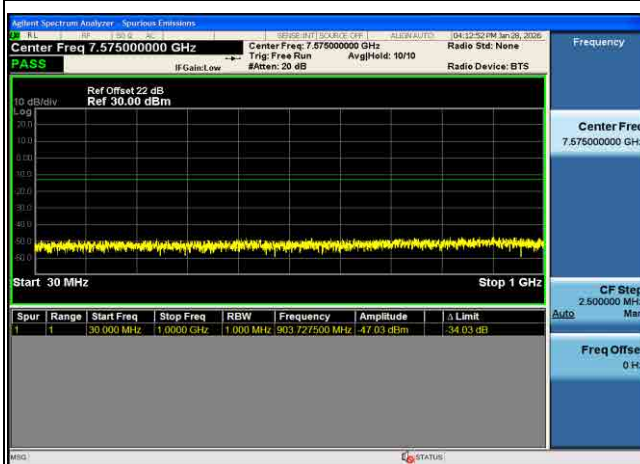
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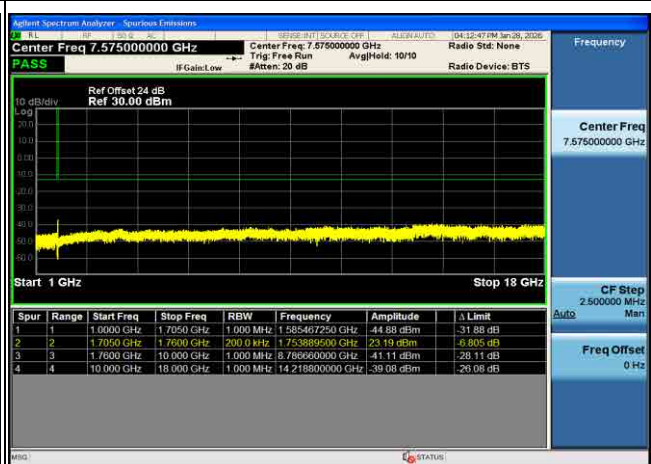
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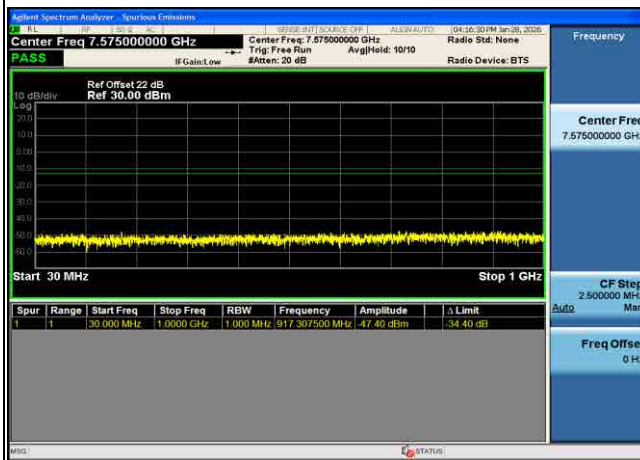
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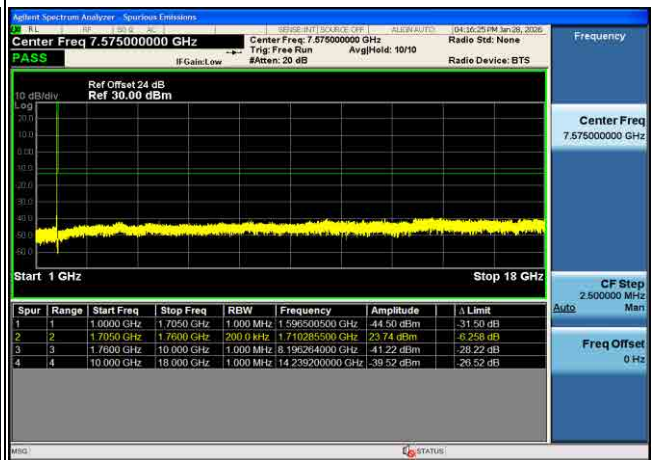
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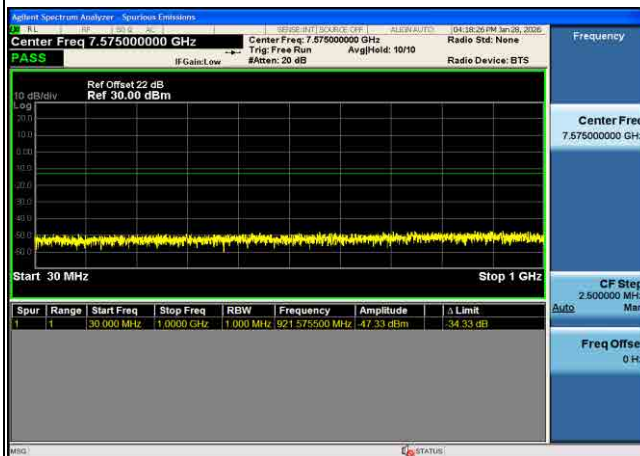
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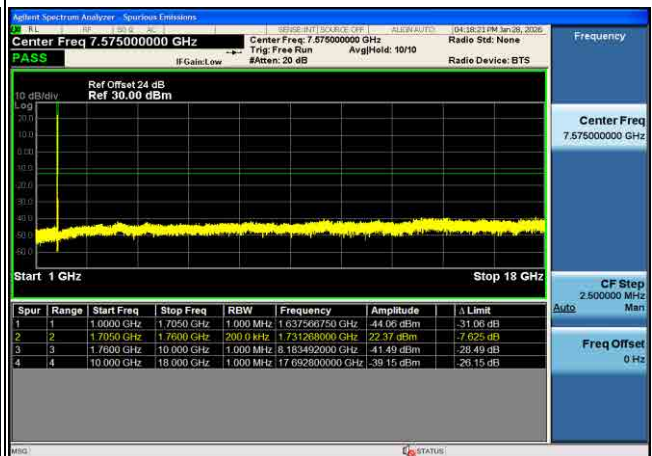
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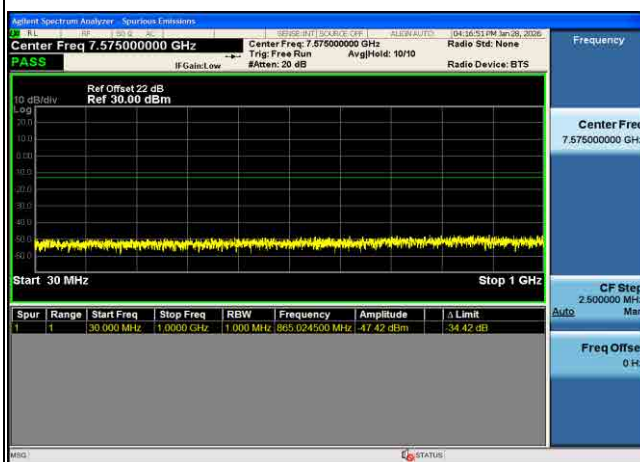
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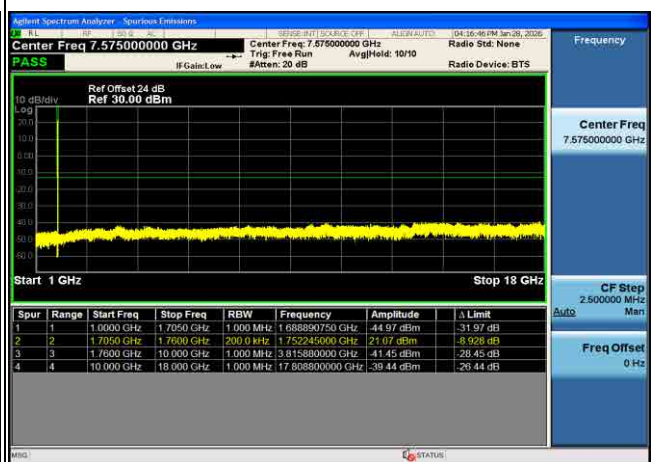
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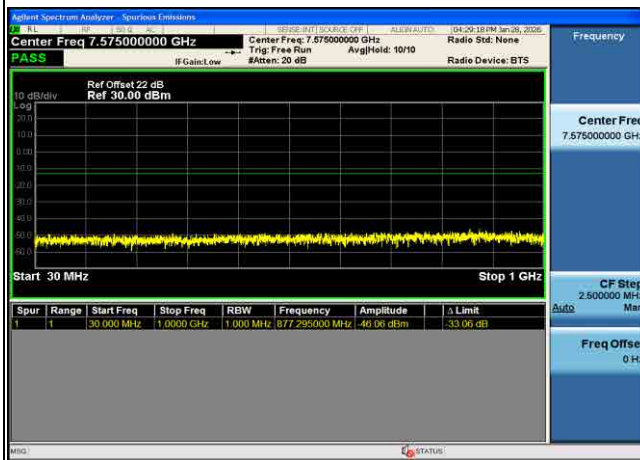
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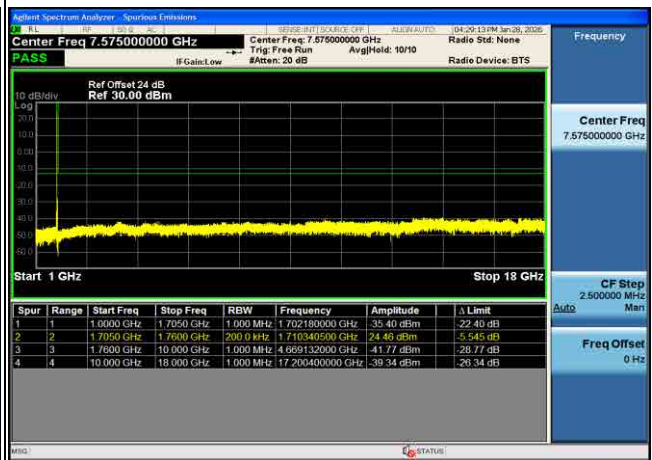
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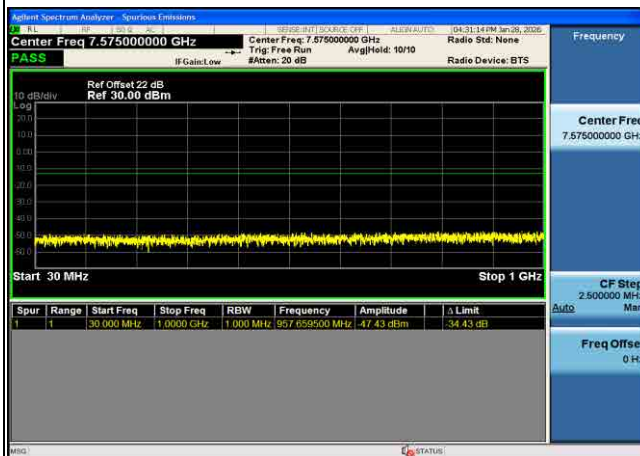
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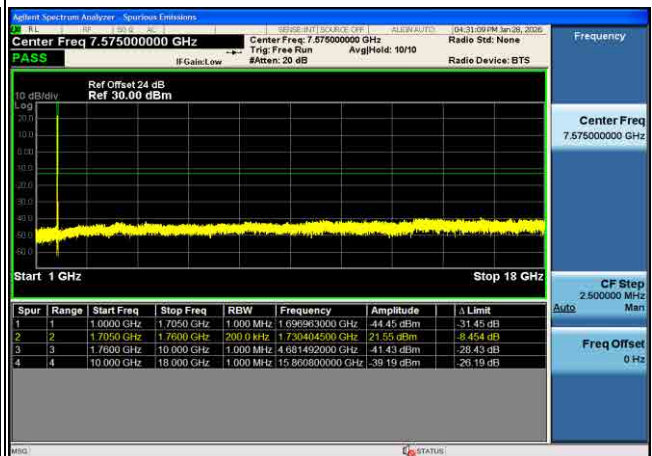
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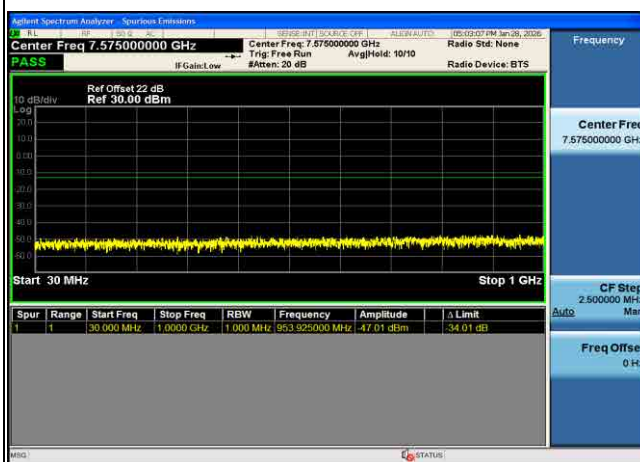
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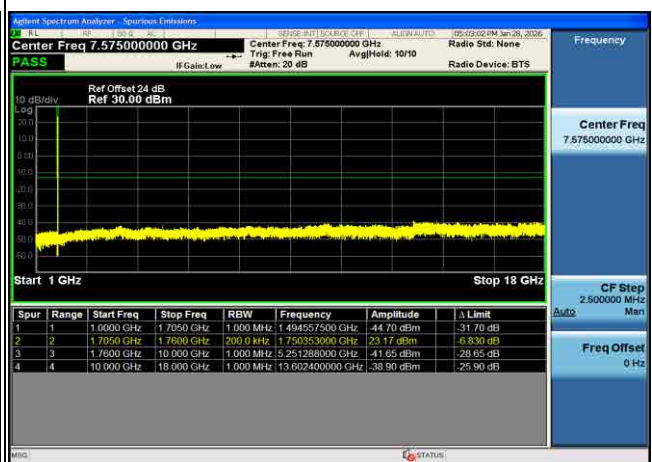
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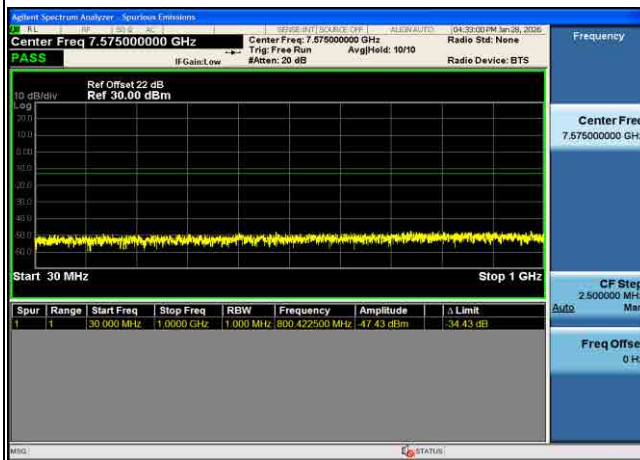
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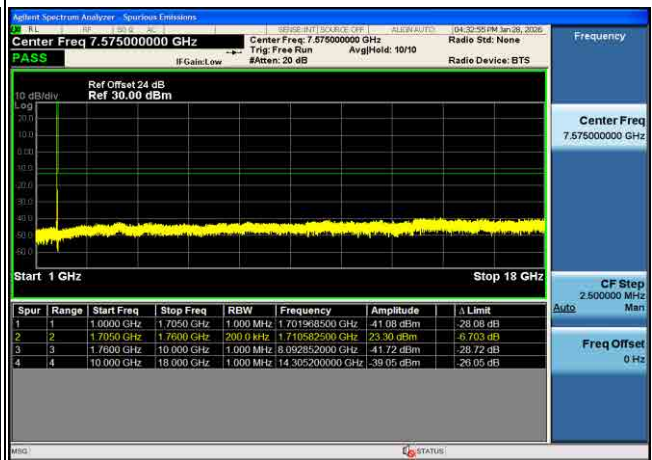
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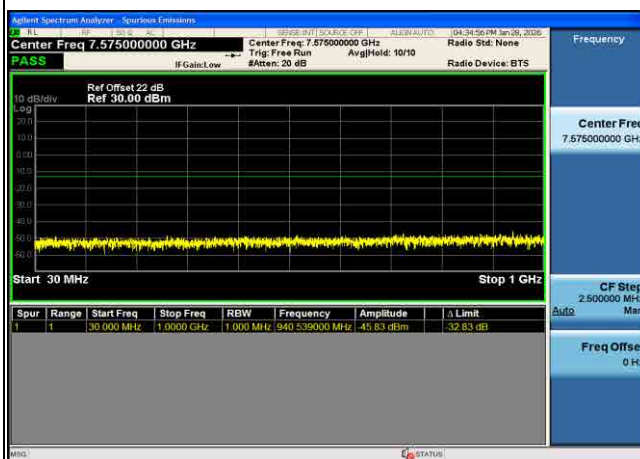
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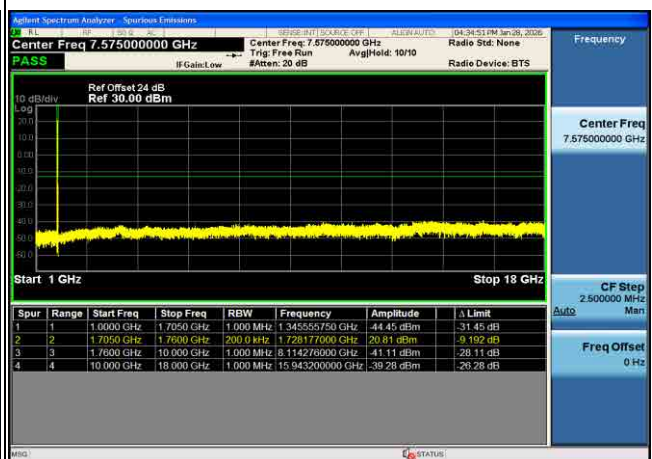
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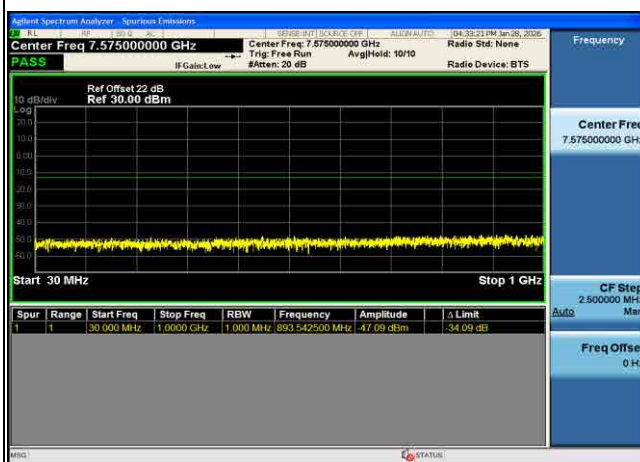
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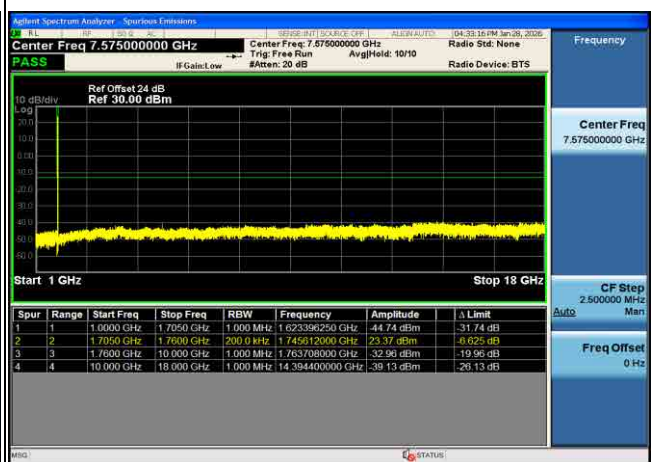
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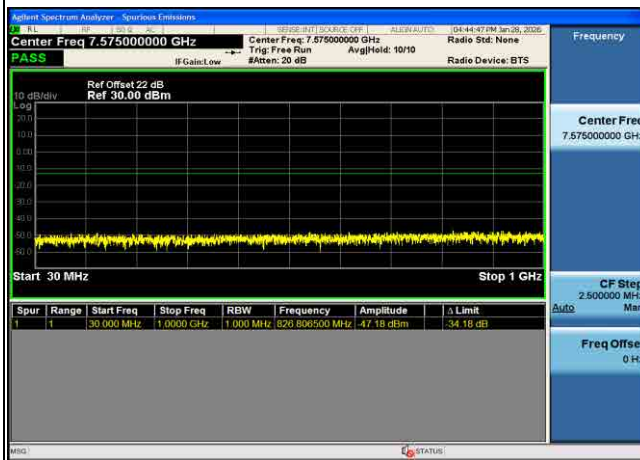
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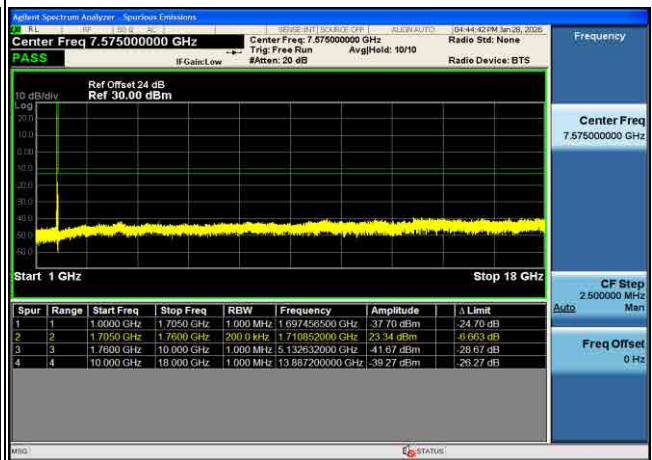
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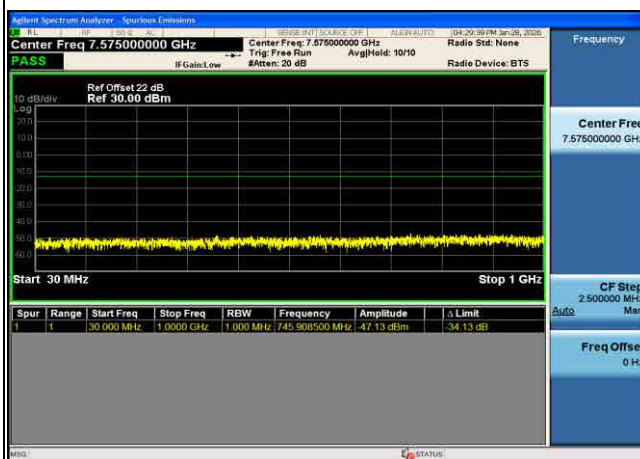
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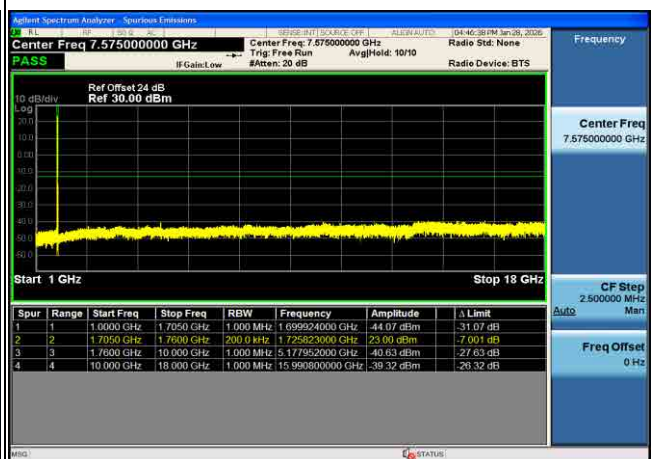
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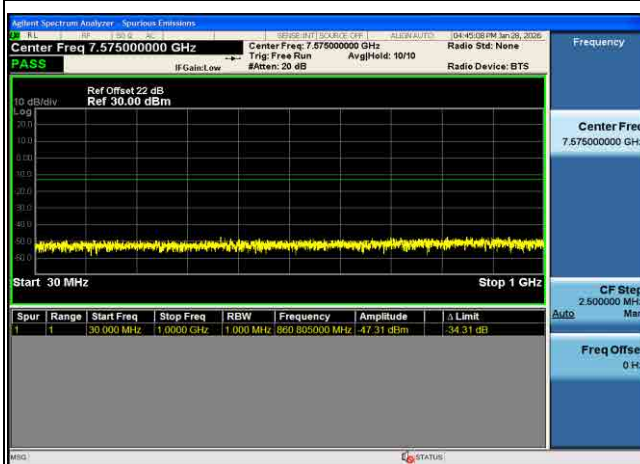
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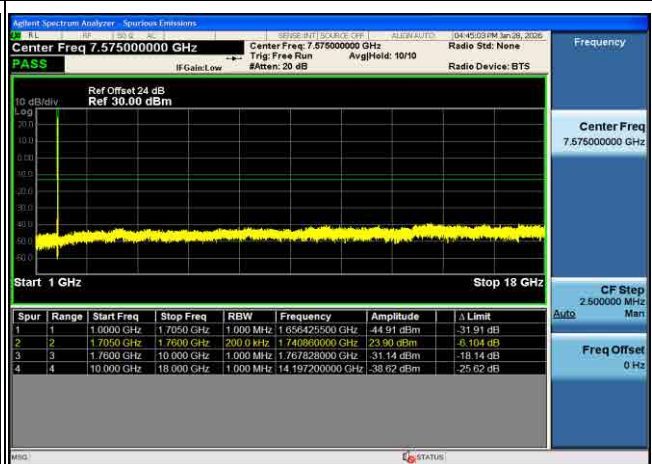
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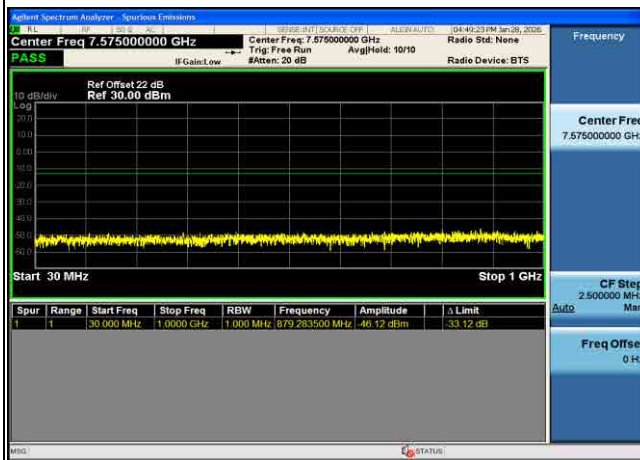
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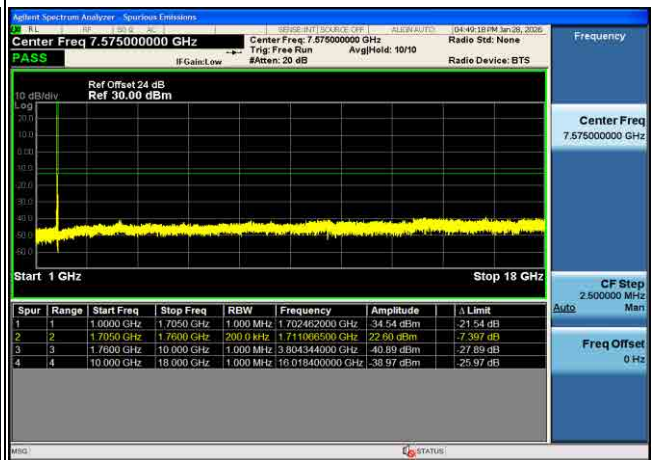
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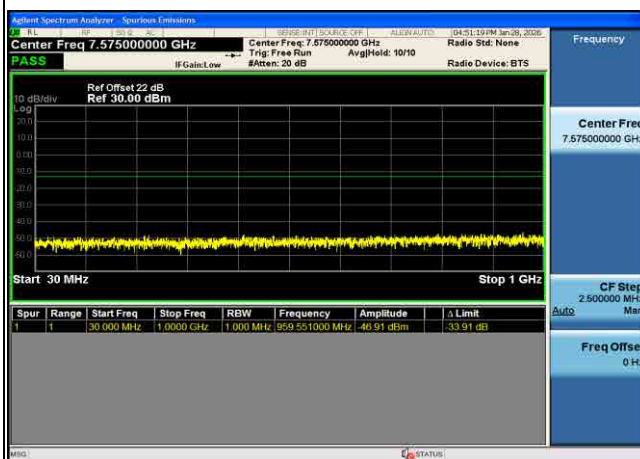
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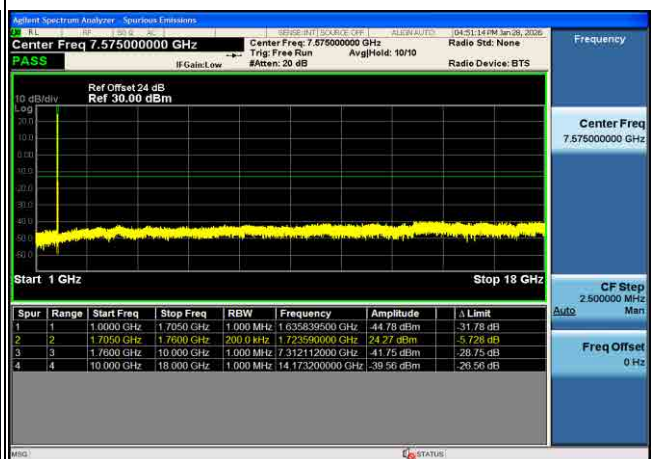
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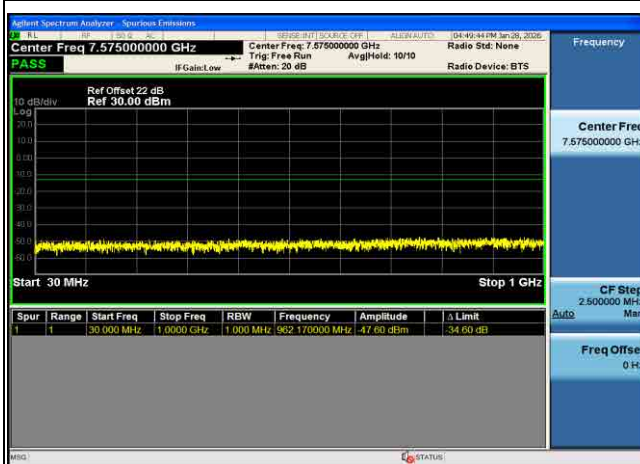
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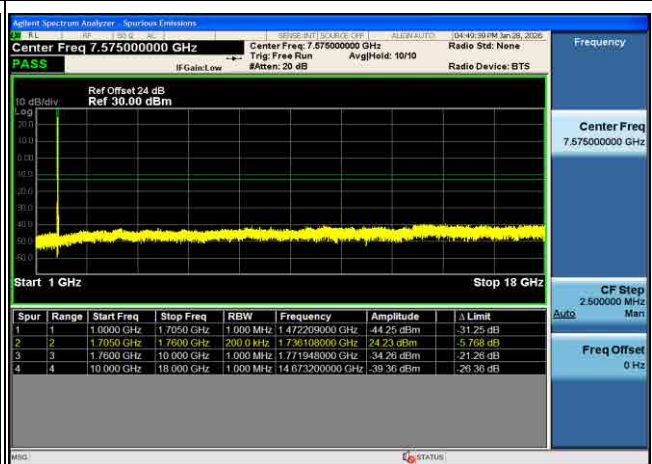
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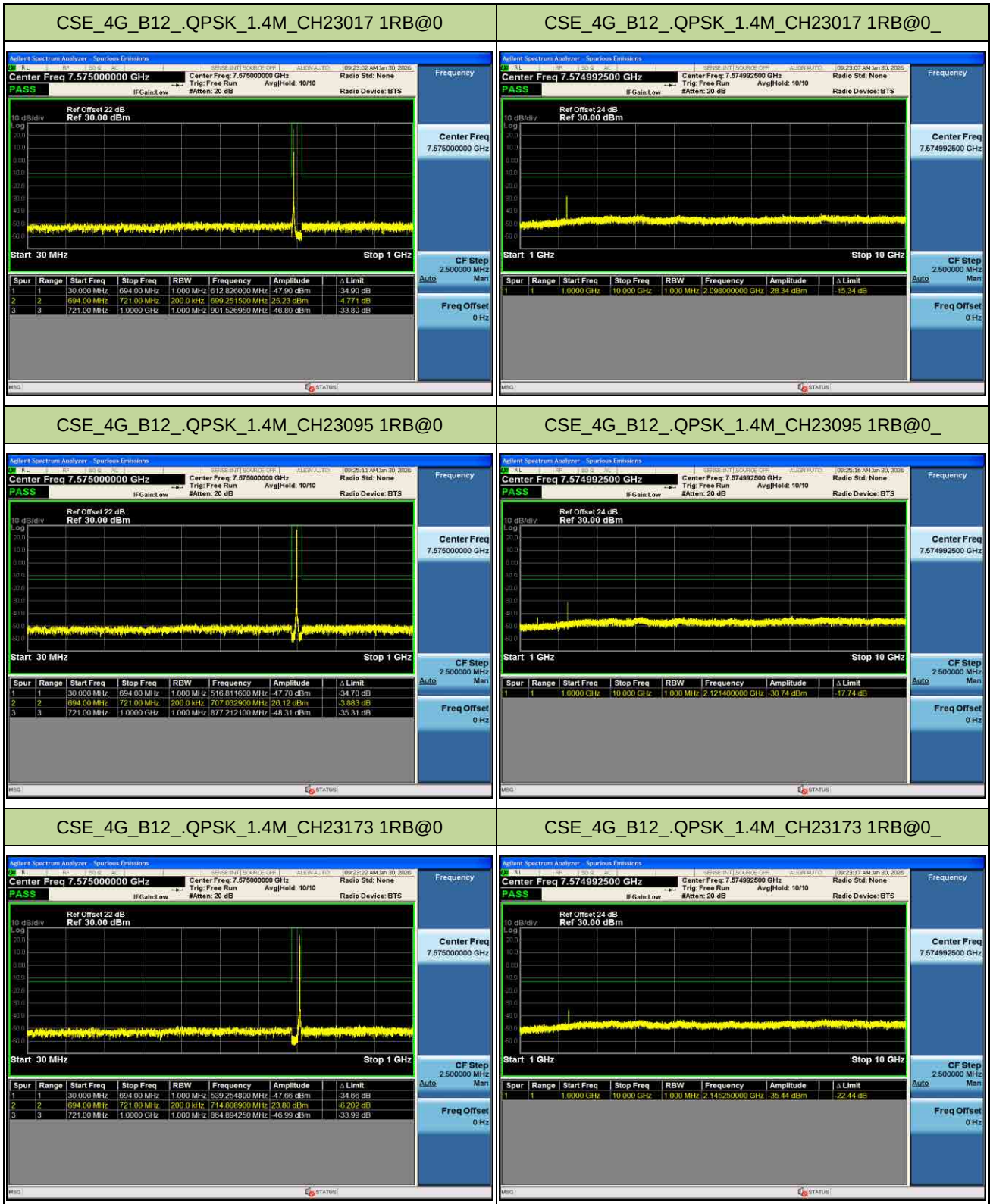
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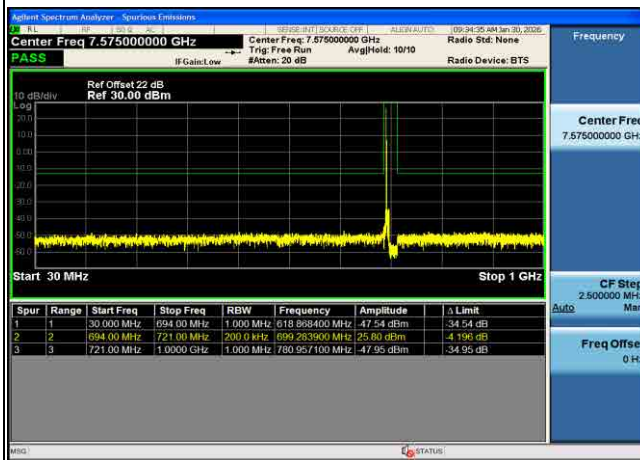
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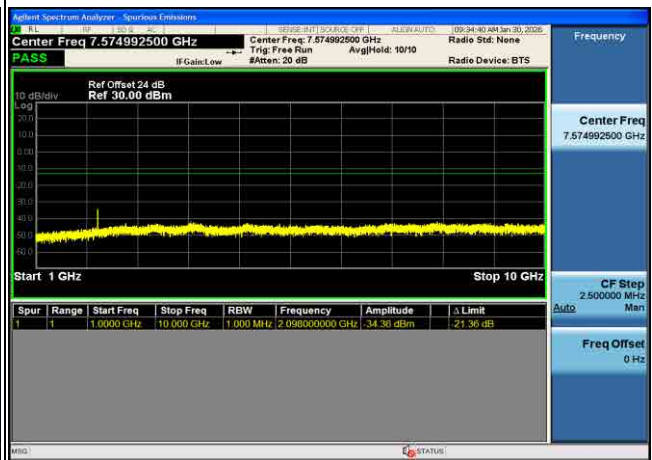
A6.3 LTE Band 12



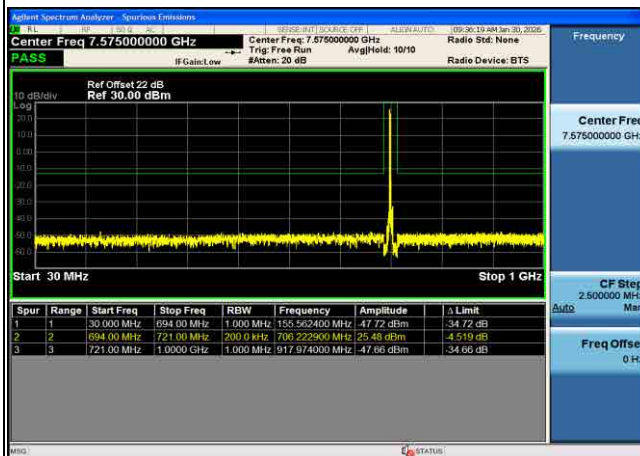
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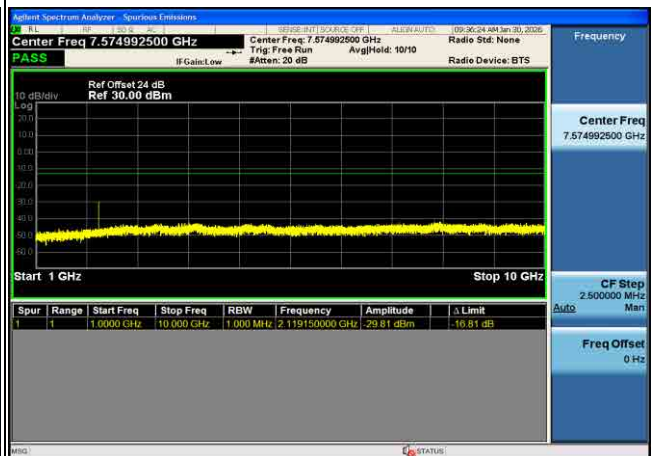
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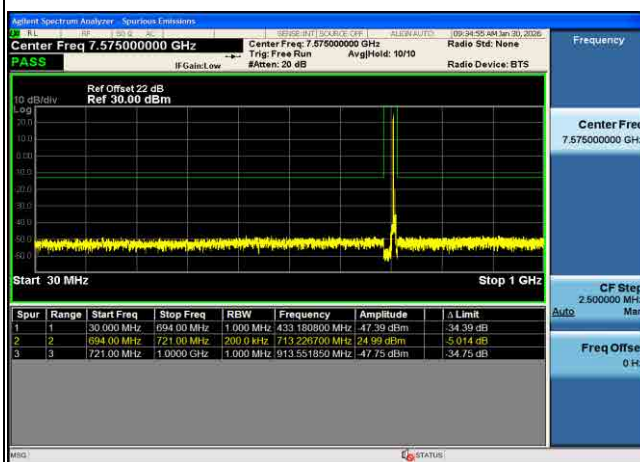
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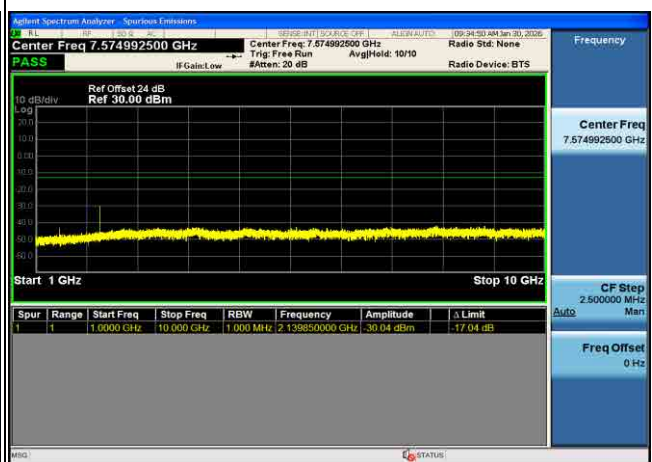
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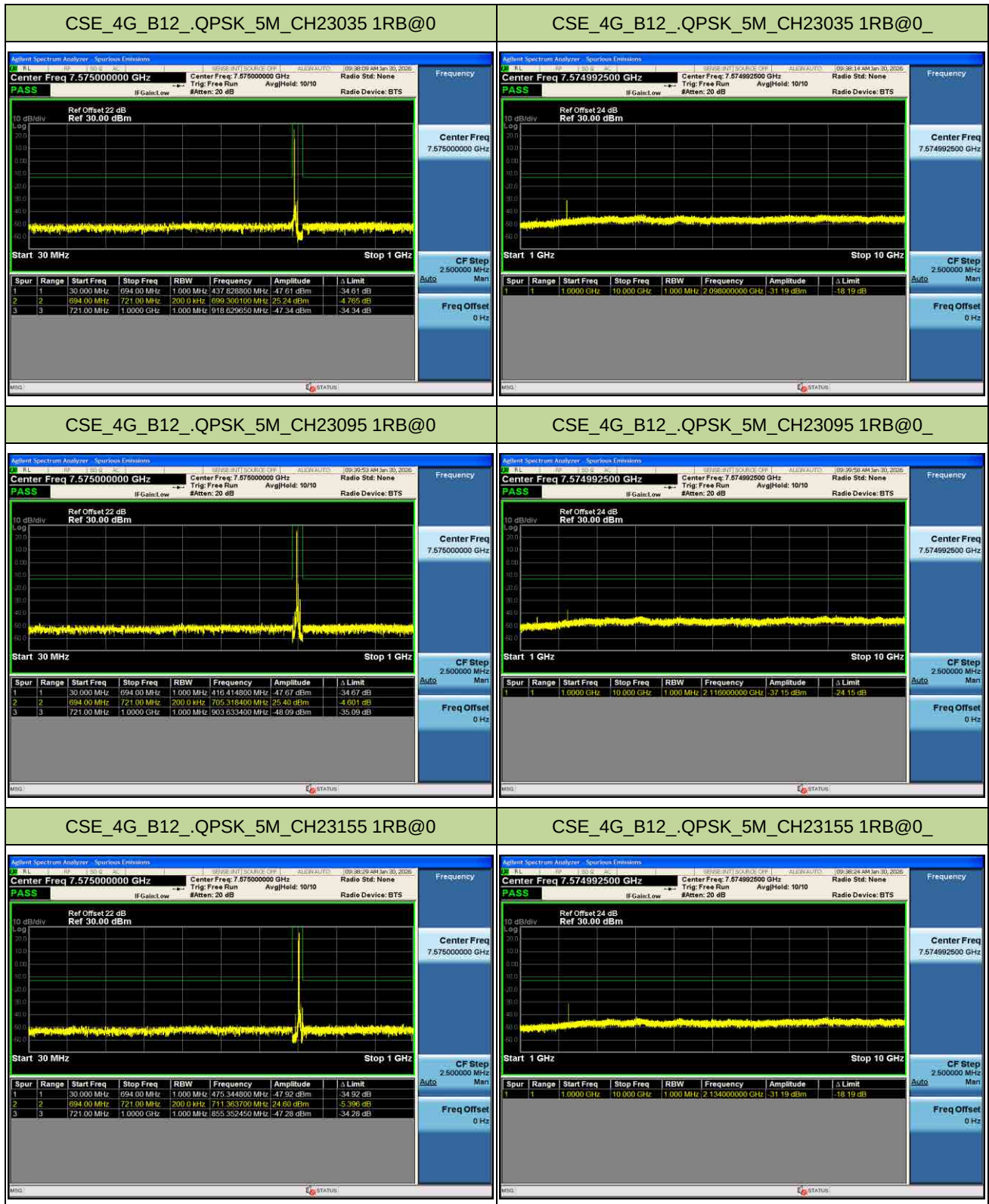


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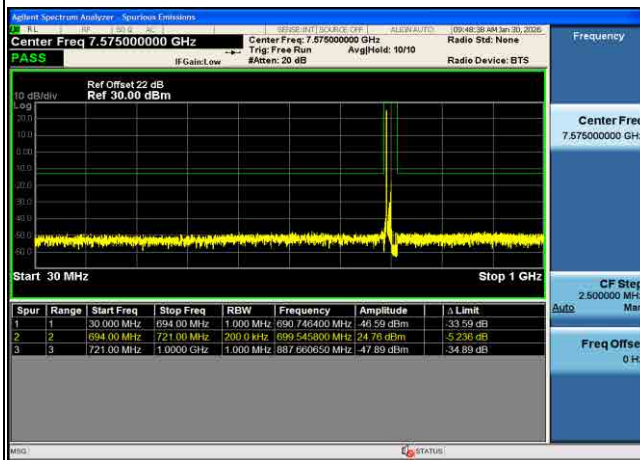


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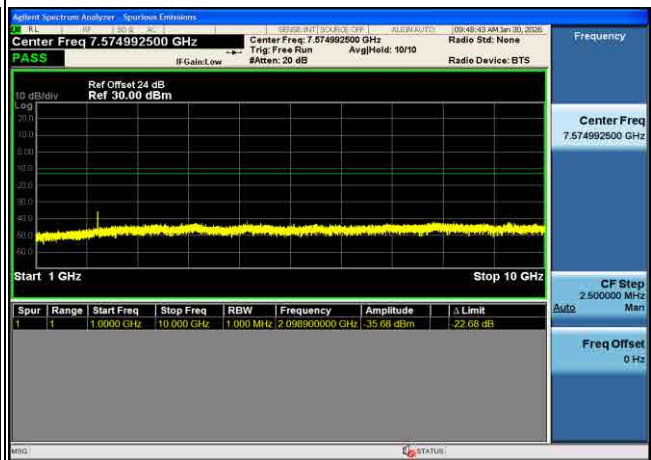




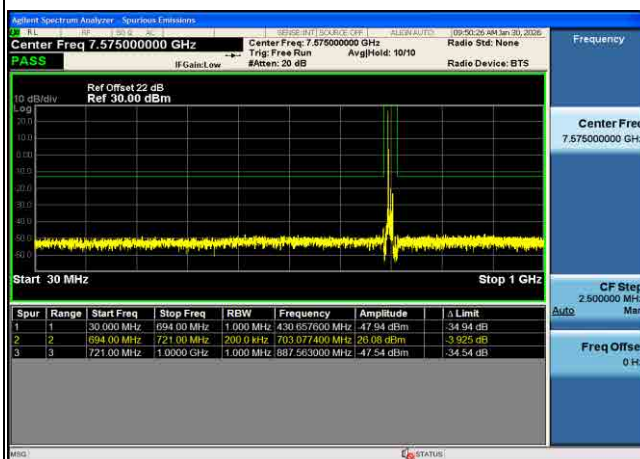
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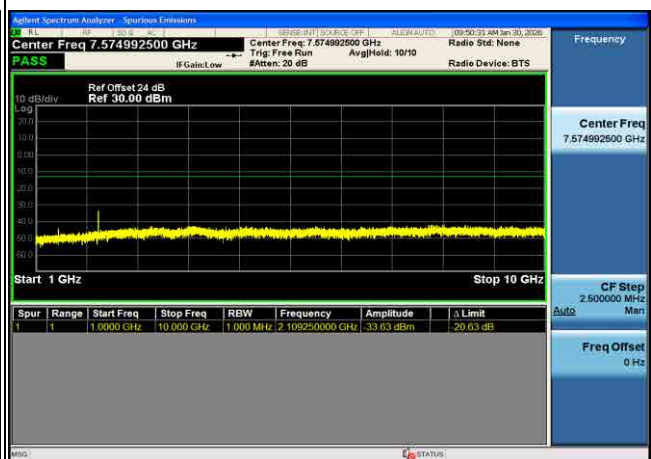
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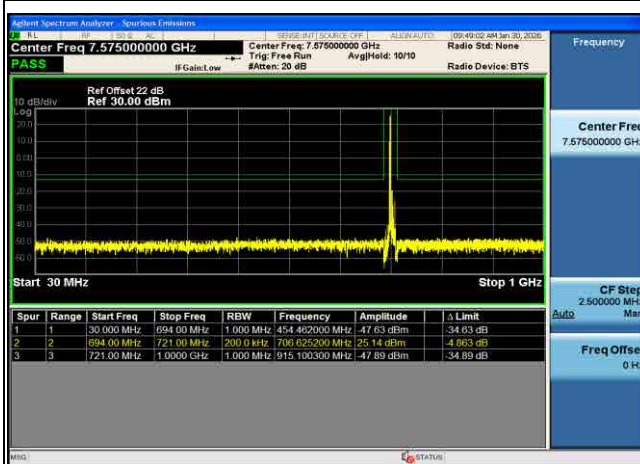
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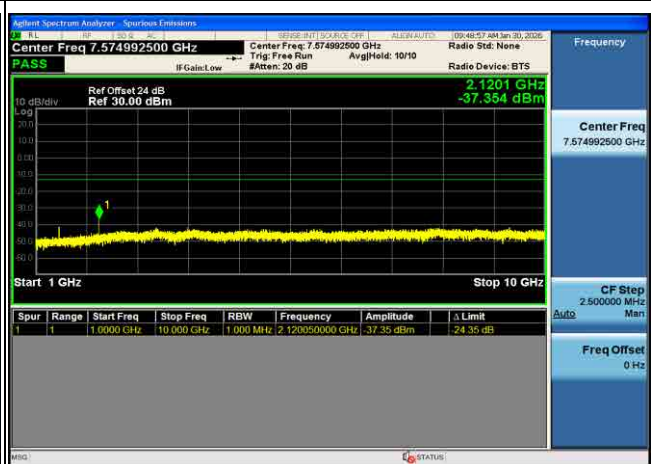
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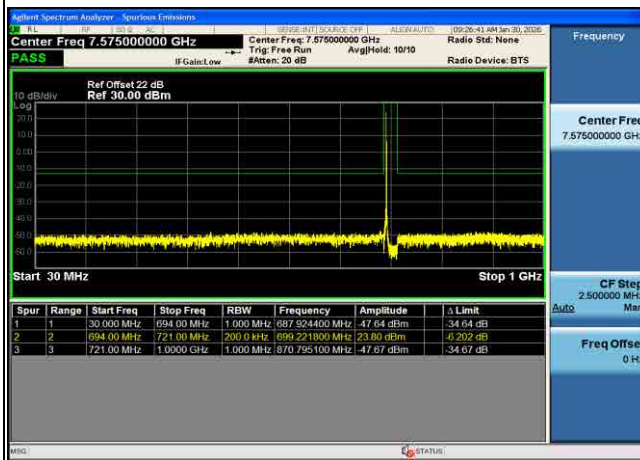
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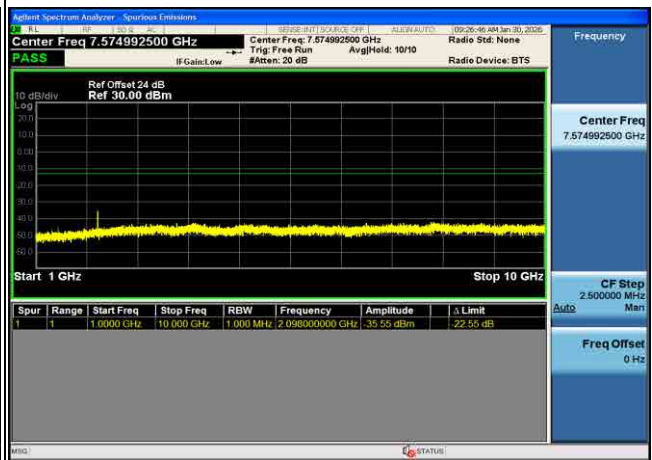
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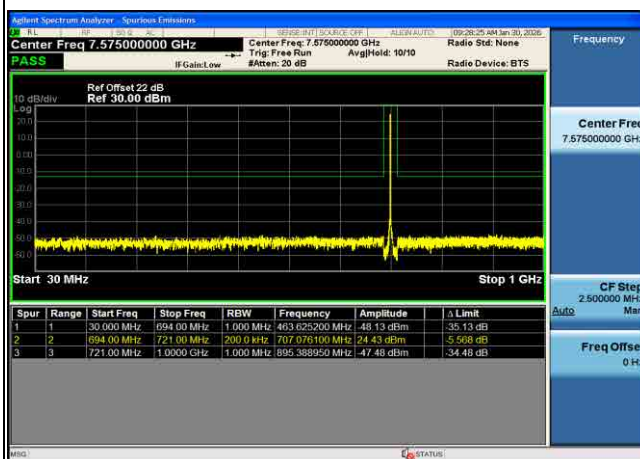
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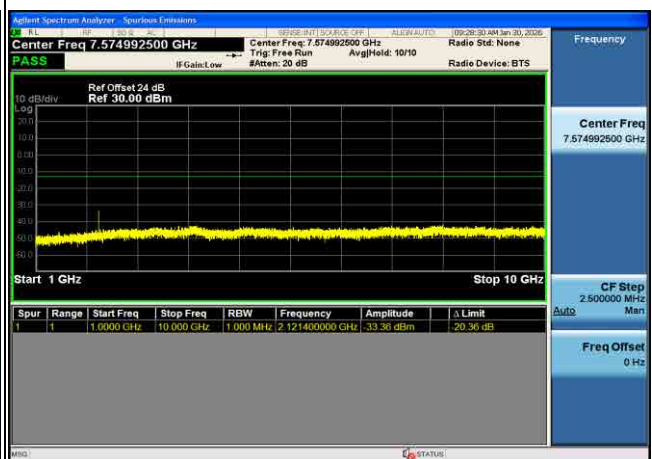
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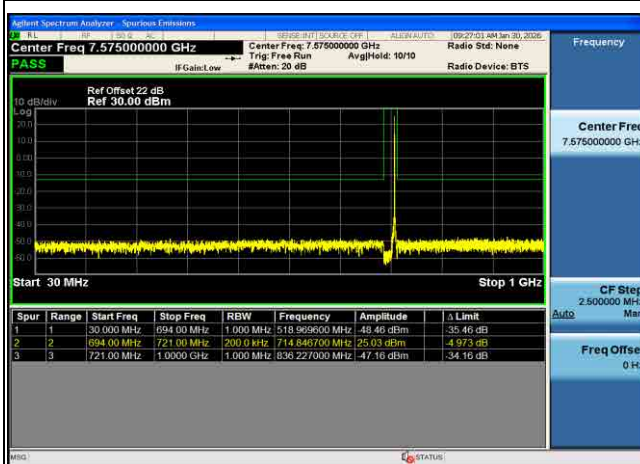
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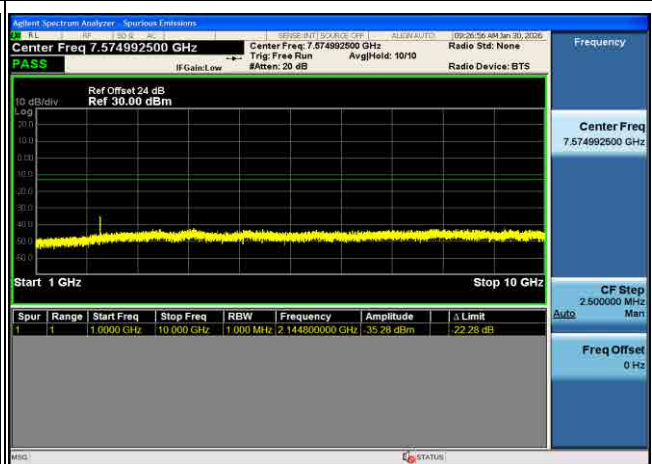
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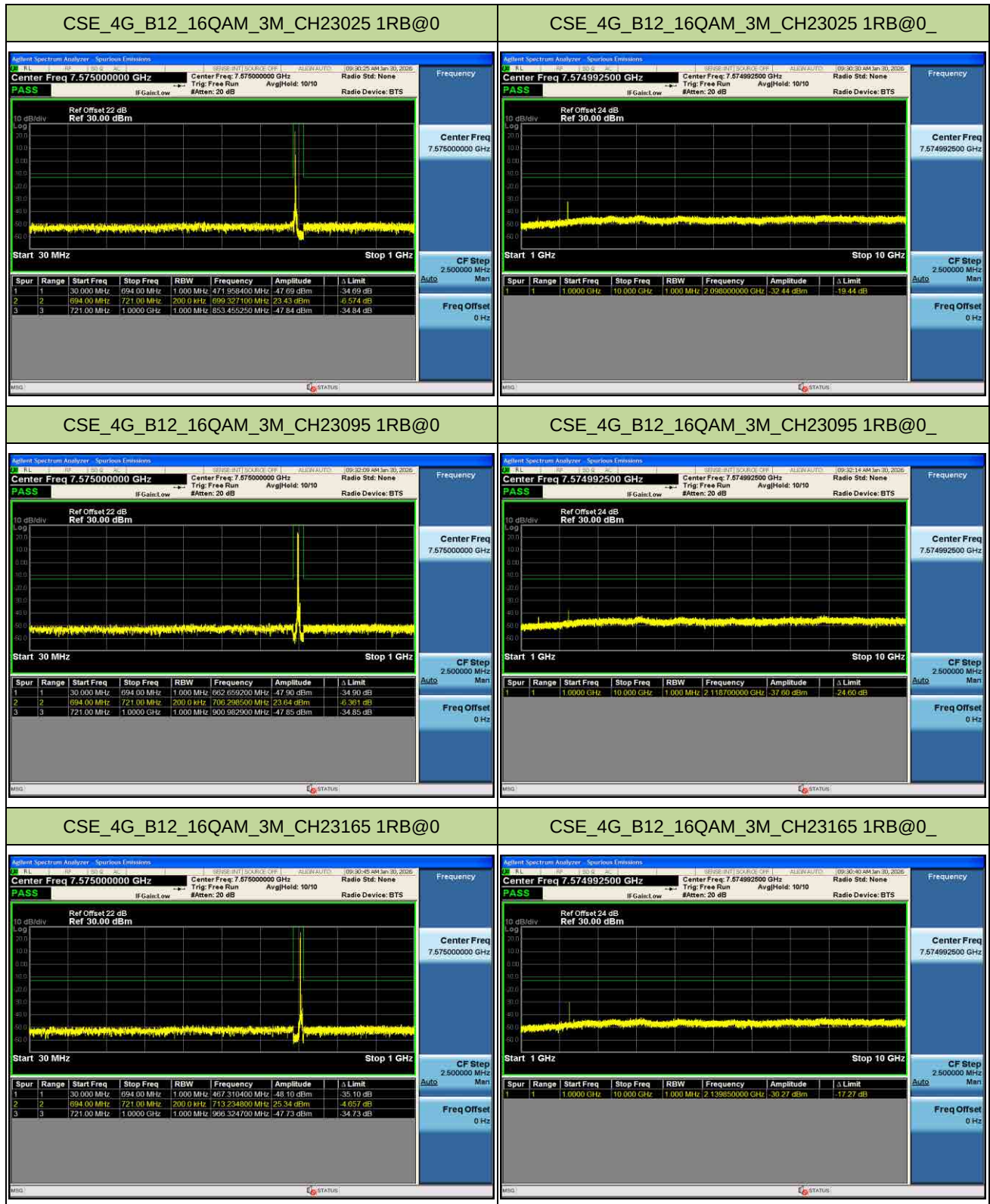


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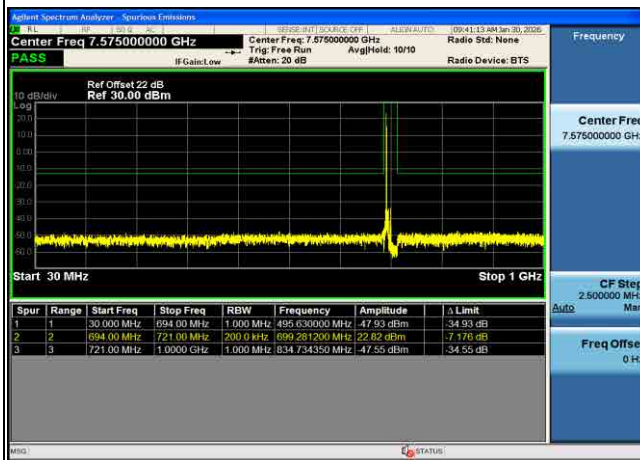


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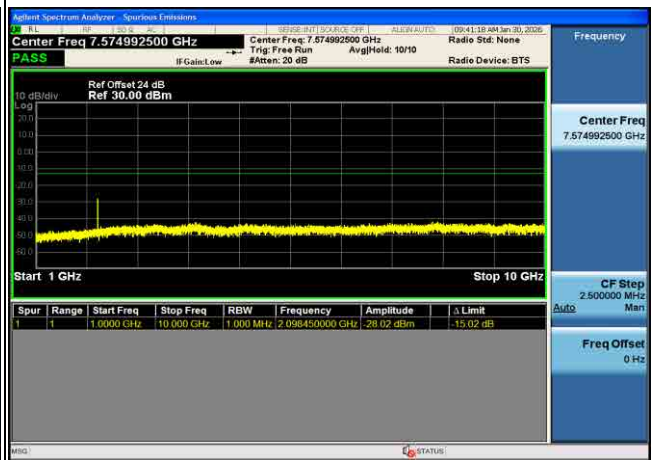




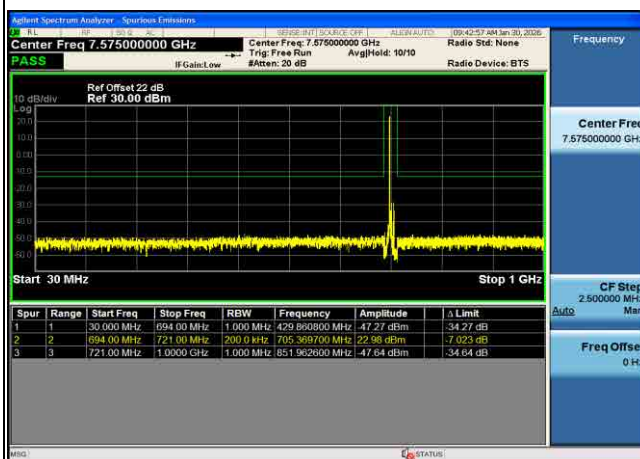
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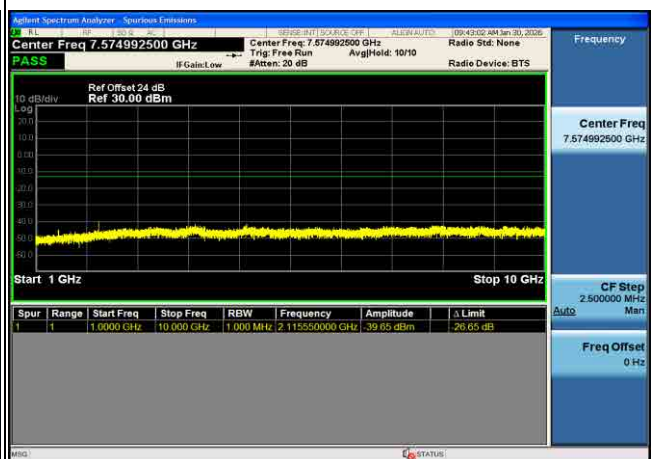
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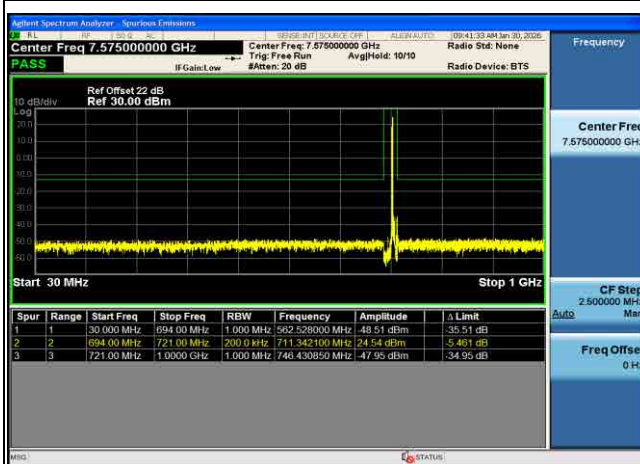
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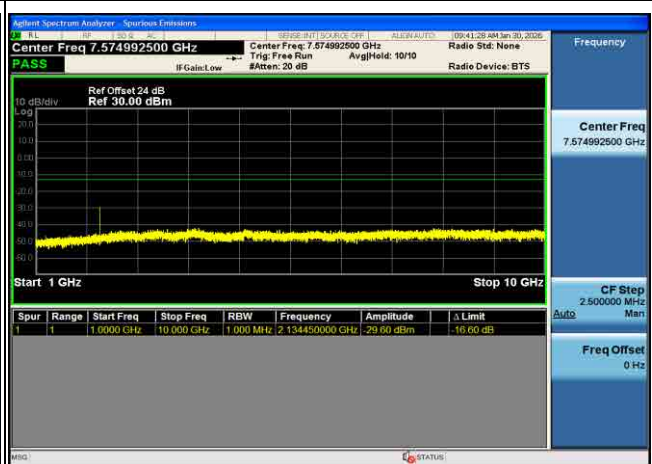
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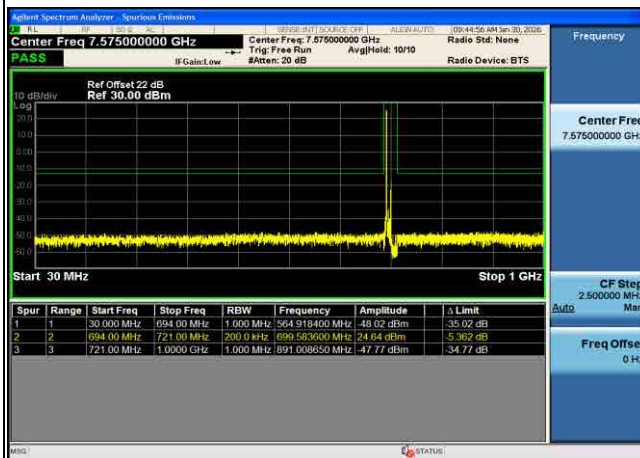
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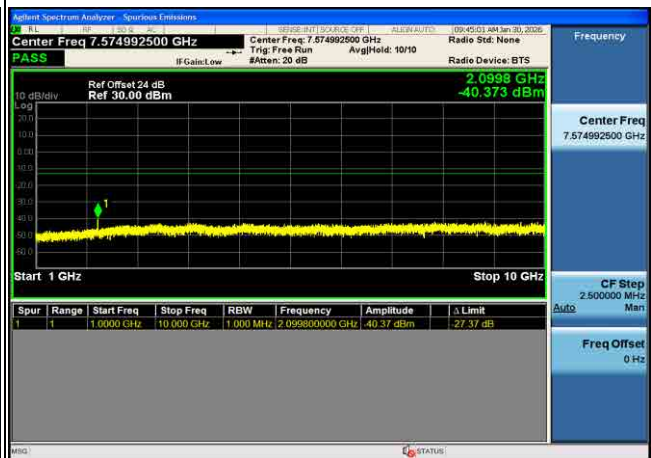
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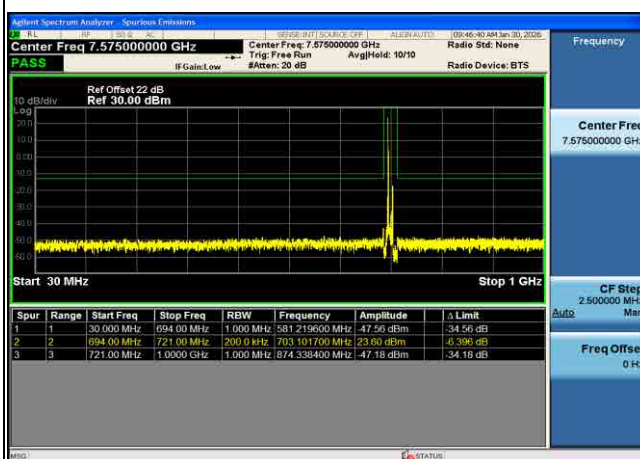
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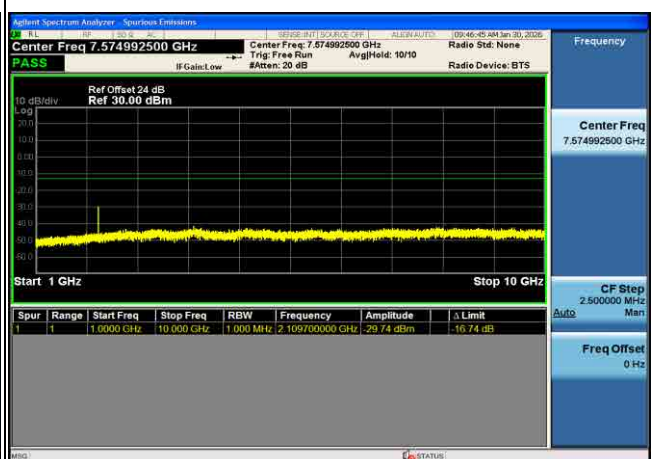
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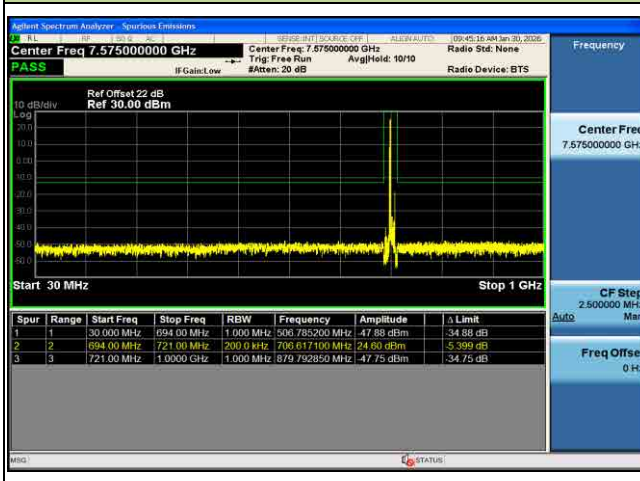
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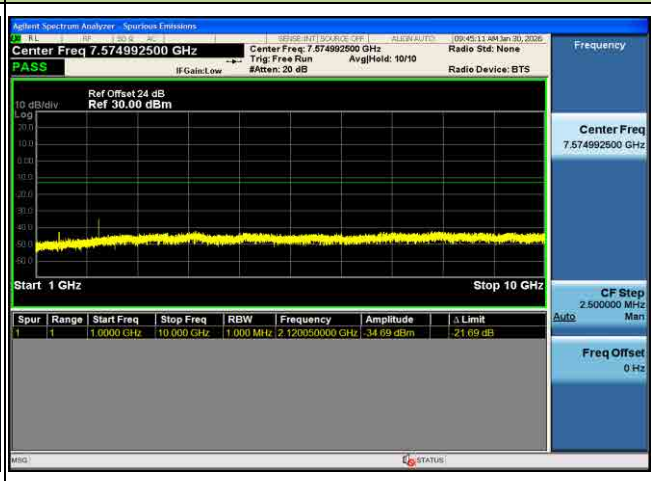
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CSE_4G_B12_16QAM_10M_CH23130 1RB@0



CSE_4G_B12_16QAM_10M_CH23130 1RB@0_



A7. Radiated Spurious Emissions Test Result

A7.1 LTE Band 2

LTE Band2							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	ERP Measure (dBm)	Limit (dBm)	Margin (dB)
Low, QPSK, CH18607 / 1850.7MHz, Bandwidth 1.4MHz							
3701.4	H	-57.75	1.39	12.50	-46.64	-13	-33.64
5552.1	H	-57.21	1.75	13.30	-45.66	-13	-32.66
7402.8	H	-55.05	1.94	11.29	-45.70	-13	-32.70
3701.4	V	-50.60	1.39	12.50	-39.49	-13	-26.49
5552.1	V	-57.02	1.75	13.30	-45.47	-13	-32.47
7402.8	V	-49.83	1.94	11.29	-40.48	-13	-27.48
Mid, QPSK, CH18900 / 1880MHz, Bandwidth 1.4MHz							
3760	H	-55.61	1.36	12.50	-44.47	-13	-31.47
5640	H	-53.04	1.78	13.52	-41.30	-13	-28.30
7520	H	-56.05	1.87	11.18	-46.74	-13	-33.74
3760	V	-47.60	1.36	12.50	-36.46	-13	-23.46
5640	V	-52.91	1.78	13.52	-41.17	-13	-28.17
7520	V	-48.88	1.87	11.18	-39.57	-13	-26.57
High, QPSK, CH19193 / 1909.3MHz, Bandwidth 1.4MHz							
3818.6	H	-55.78	1.35	12.46	-44.67	-13	-31.67
5727.9	H	-53.69	1.84	13.56	-41.97	-13	-28.97
7637.2	H	-62.38	1.65	11.57	-52.46	-13	-39.46
3818.6	V	-50.64	1.35	12.46	-39.53	-13	-26.53
5727.9	V	-53.53	1.84	13.56	-41.81	-13	-28.81
7637.2	V	-59.62	1.65	11.57	-49.70	-13	-36.70

Note:

- Spurious emissions within 9KHz-1GHz & Other harmonic were found more than 20dB below limit line.
- EIRP or ERP (dBm) = SG Reading (dBm) - Cable Loss (dB) + Substitute Antenna Gain (dBi)

A7.2 LTE Band 4

LTE Band4							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	ERP Measure (dBm)	Limit (dBm)	Margin (dB)
Low, QPSK, CH19957 / 1710.7MHz, Bandwidth 1.4MHz							
3421.4	H	-51.31	1.36	12.54	-40.14	-13	-27.14
5132.1	H	-55.19	1.60	12.53	-44.26	-13	-31.26
6842.8	H	-44.10	1.79	12.37	-33.52	-13	-20.52
3421.4	V	-48.88	1.36	12.54	-37.71	-13	-24.71
5132.1	V	-54.17	1.60	12.53	-43.24	-13	-30.24
6842.8	V	-42.44	1.79	12.37	-31.86	-13	-18.86
Mid, QPSK, CH20175 /1732.5MHz, Bandwidth 1.4MHz							
3465	H	-54.64	1.34	12.41	-43.57	-13	-30.57
5197.5	H	-54.83	1.68	12.79	-43.72	-13	-30.72
6930	H	-51.11	1.83	12.17	-40.77	-13	-27.77
3465	V	-50.00	1.34	12.41	-38.93	-13	-25.93
5197.5	V	-53.32	1.68	12.79	-42.21	-13	-29.21
6930	V	-43.62	1.83	12.17	-33.28	-13	-20.28
High, QPSK, CH20393 / 1754.3MHz, Bandwidth1.4MHz							
3508.6	H	-54.51	1.36	12.27	-43.59	-13	-30.59
5262.9	H	-56.74	1.73	13.24	-45.23	-13	-32.23
7017.2	H	-47.29	1.89	11.98	-37.20	-13	-24.20
3508.6	V	-51.37	1.36	12.27	-40.45	-13	-27.45
5262.9	V	-55.12	1.73	13.24	-43.61	-13	-30.61
7017.2	V	-42.79	1.89	11.98	-32.70	-13	-19.70

Note:

1. Spurious emissions within 9KHz-1GHz & Other harmonic were found more than 20dB below limit line.
2. EIRP or ERP (dBm) = SG Reading (dBm) - Cable Loss (dB) + Substitute Antenna Gain (dBi)

A7.3 LTE Band 12

LTE Band12							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	ERP Measure (dBm)	Limit (dBm)	Margin (dB)
Low, QPSK, CH23017 / 699.7MHz, Bandwidth 1.4MHz							
1399.4	H	-65.15	1.01	6.90	-59.26	-13	-46.26
2099.1	H	-46.71	1.16	9.70	-38.17	-13	-25.17
2798.8	H	-66.57	1.19	10.90	-56.86	-13	-43.86
1399.4	V	-65.60	1.01	6.90	-59.71	-13	-46.71
2099.1	V	-46.83	1.16	9.70	-38.29	-13	-25.29
2798.8	V	-65.03	1.19	10.90	-55.32	-13	-42.32
Mid, QPSK, CH23095 / 707.5MHz, Bandwidth 1.4MHz							
1415	H	-82.13	1.01	7.02	-76.12	-13	-63.12
2122.5	H	-82.03	1.16	9.57	-73.62	-13	-60.62
2830	H	-81.07	1.24	10.99	-71.32	-13	-58.32
1415	V	-82.56	1.01	7.02	-76.55	-13	-63.55
2122.5	V	-82.35	1.16	9.57	-73.94	-13	-60.94
2830	V	-80.70	1.24	10.99	-70.95	-13	-57.95
High, QPSK, CH23173 / 715.3MHz, Bandwidth 1.4MHz							
1430.6	H	-64.82	1.02	7.14	-58.69	-13	-45.69
2145.9	H	-42.16	1.16	9.43	-33.89	-13	-20.89
2861.2	H	-68.37	1.27	11.08	-58.56	-13	-45.56
1430.6	V	-66.48	1.02	7.14	-60.35	-13	-47.35
2145.9	V	-42.14	1.16	9.43	-33.87	-13	-20.87
2861.2	V	-68.31	1.27	11.08	-58.50	-13	-45.50

Note:

1. Spurious emissions within 9KHz-1GHz & Other harmonic were found more than 20dB below limit line.
2. EIRP or ERP (dBm) = SG Reading (dBm) - Cable Loss (dB) + Substitute Antenna Gain (dBi)

Appendix B : Test Photograph

Refer to “2601TWY401-UT” file.

Appendix C : External Photograph

Refer to “2601TWY401-UE” file.

Appendix D : Internal Photograph

Refer to “2601TWY401-UI” file.

_____ The End _____