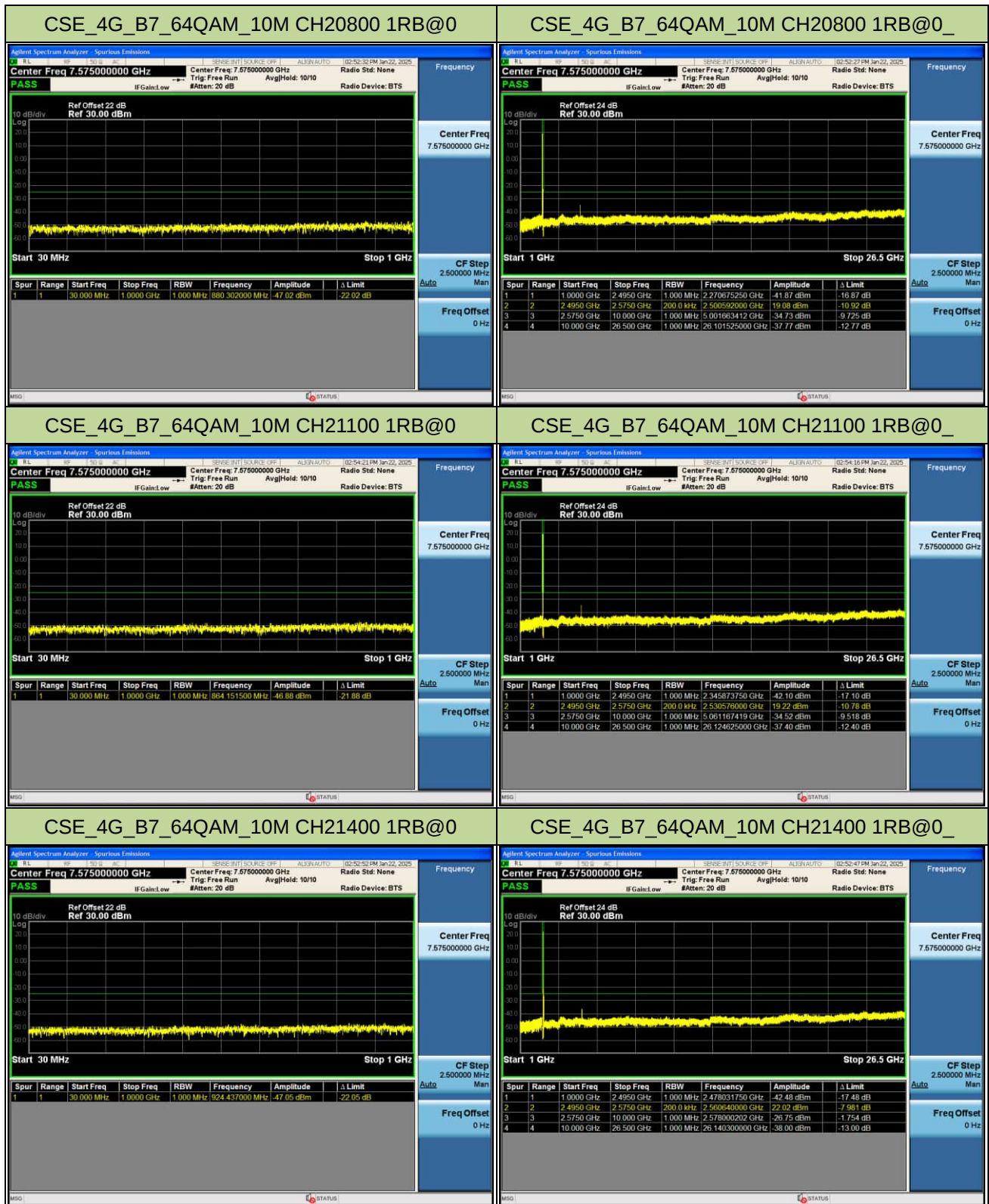
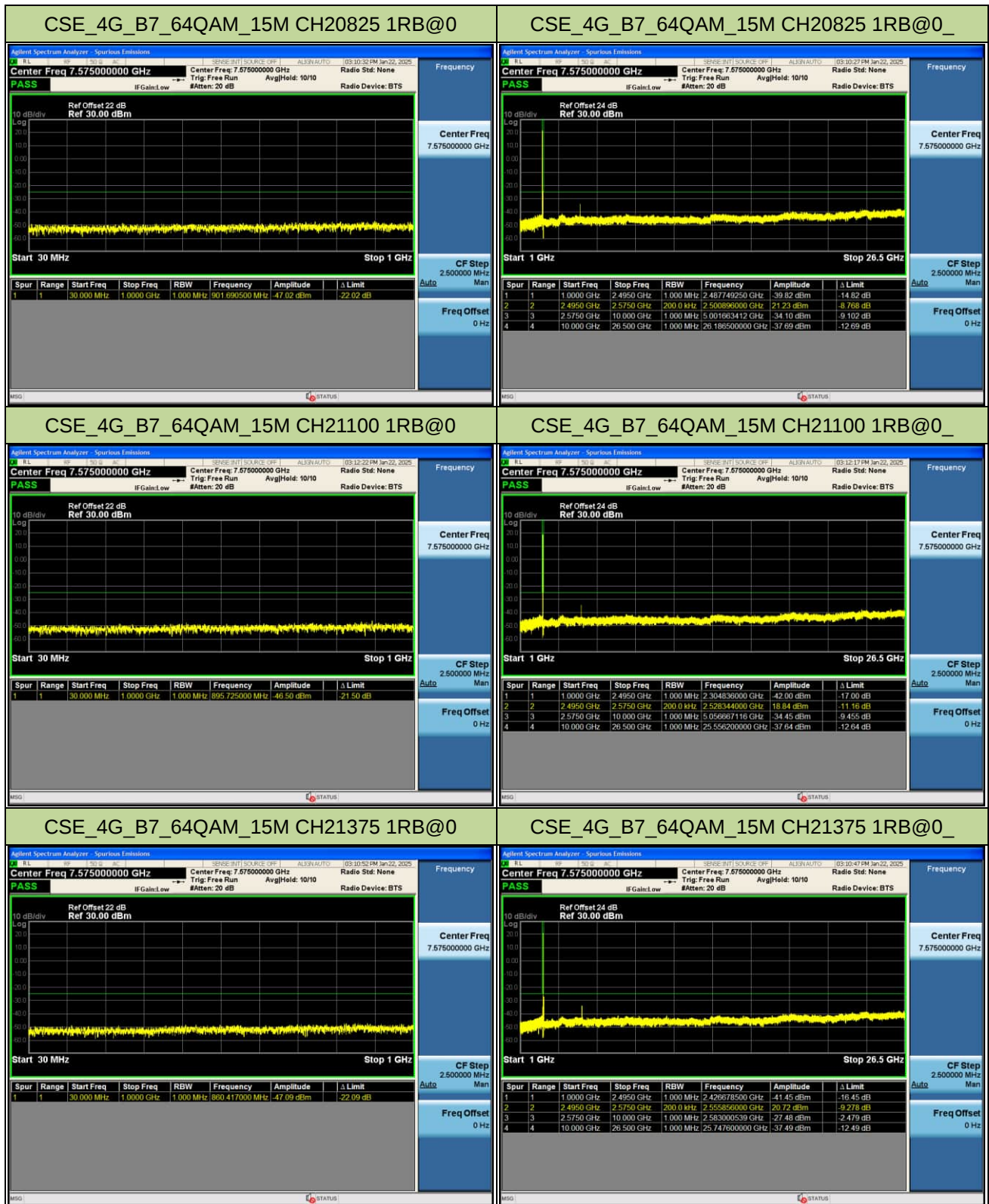
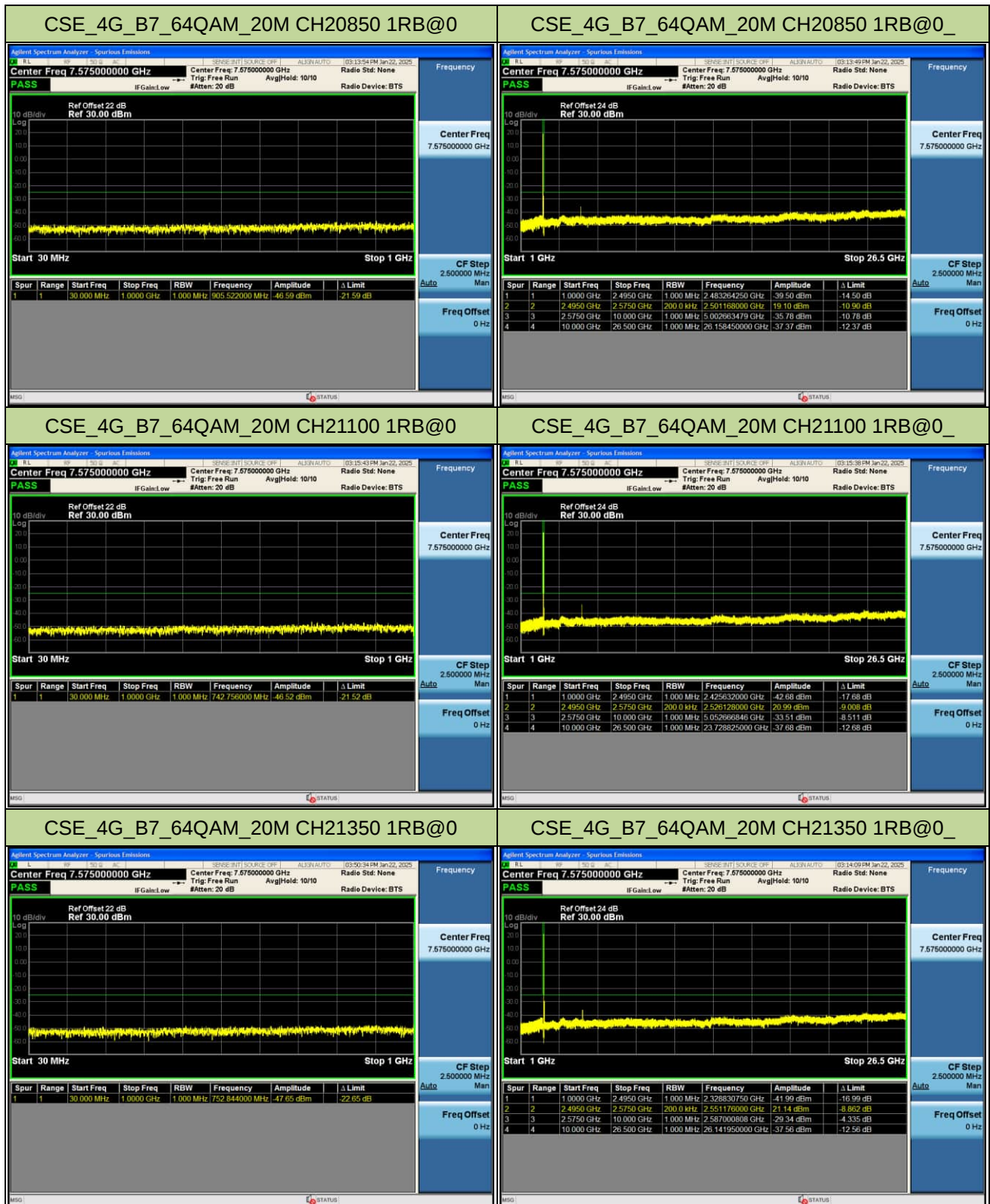
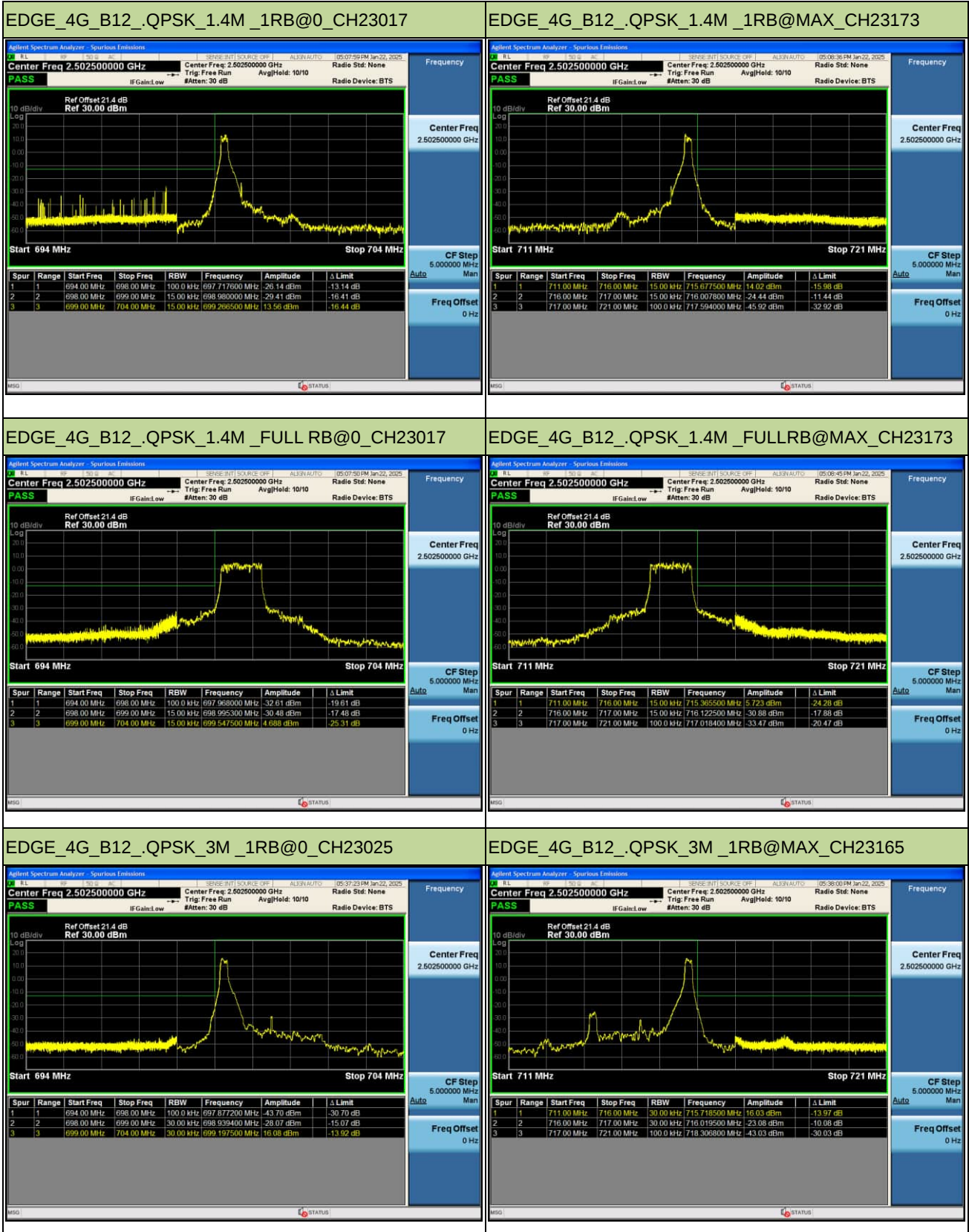


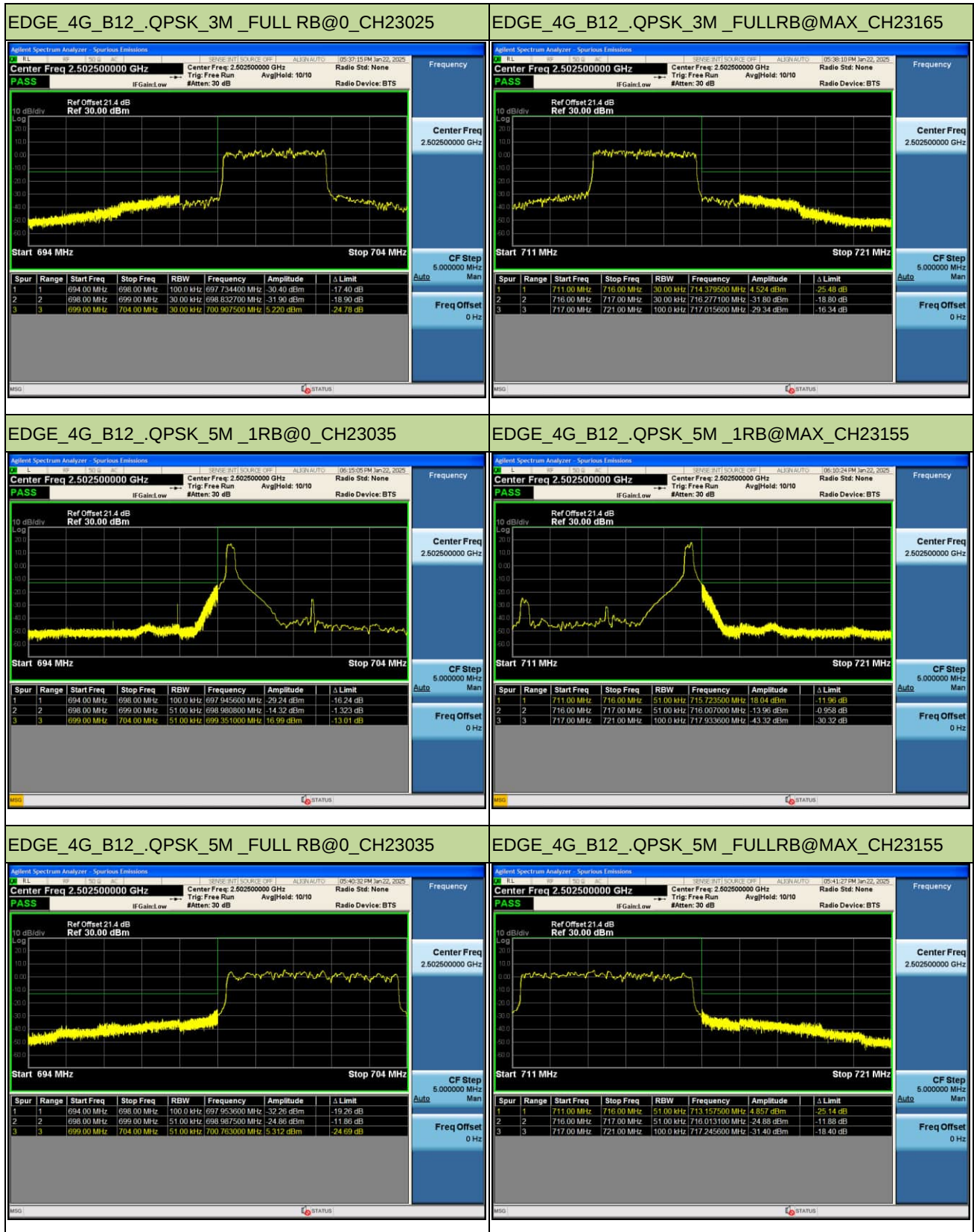




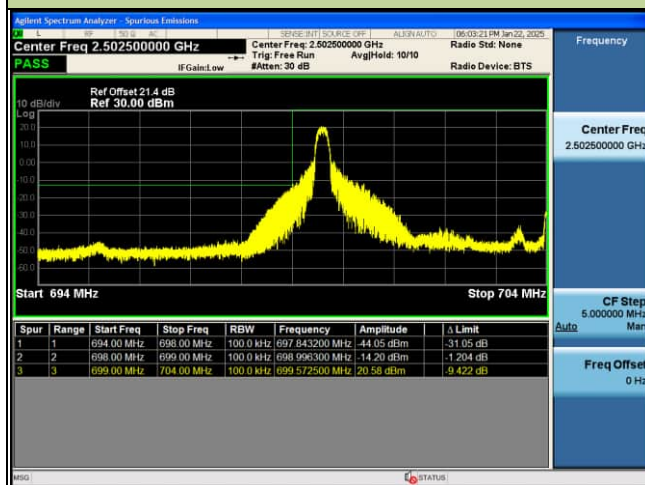


A6.5 LTE Band 12

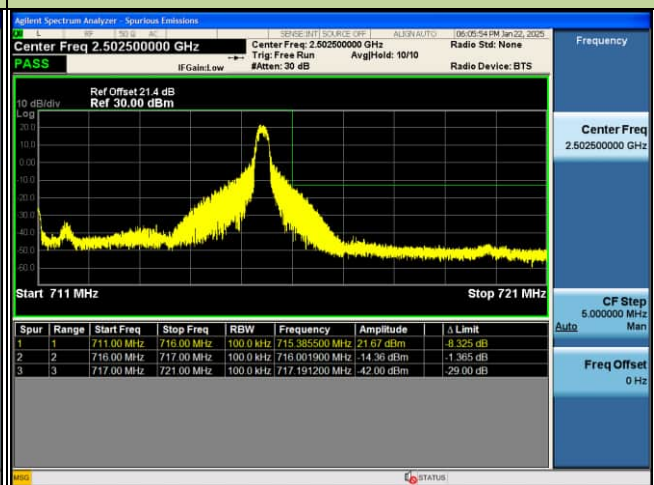




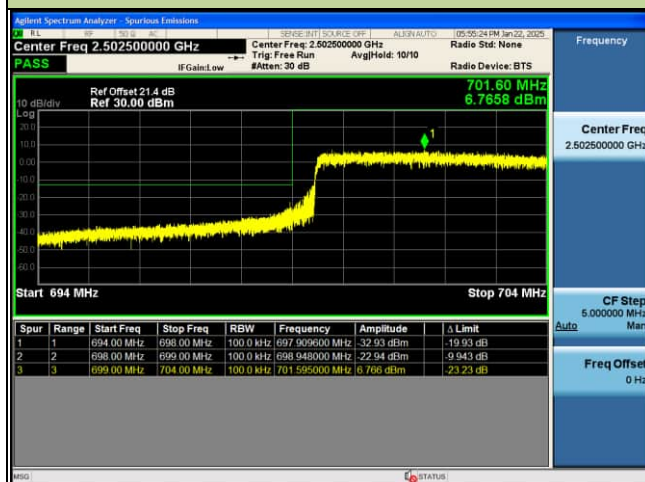
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EDGE_4G_B12_QPSK_10M_1RB@MAX_CH23130



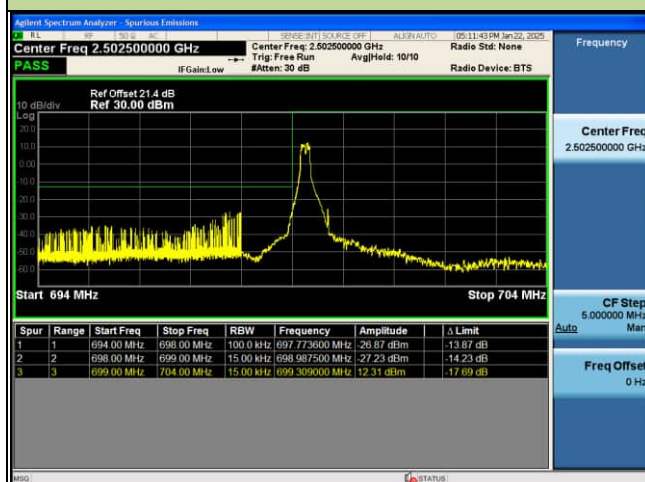
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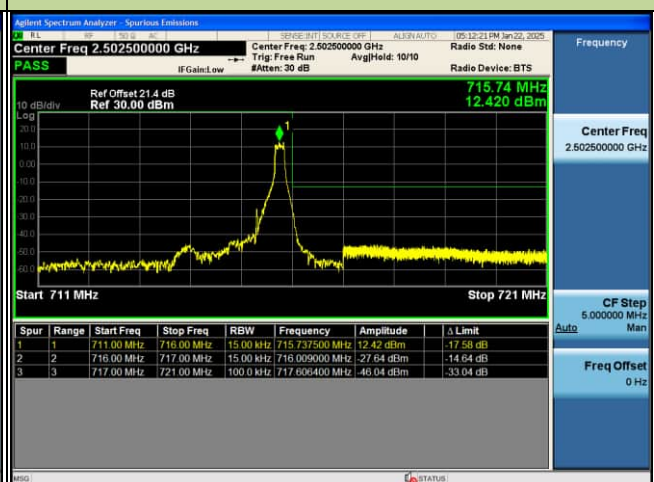
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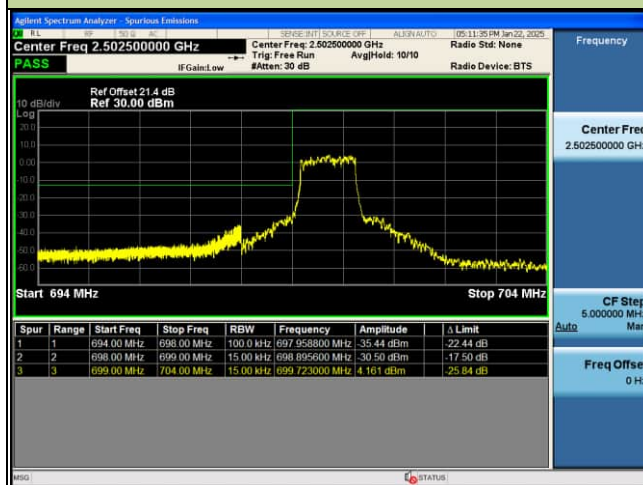
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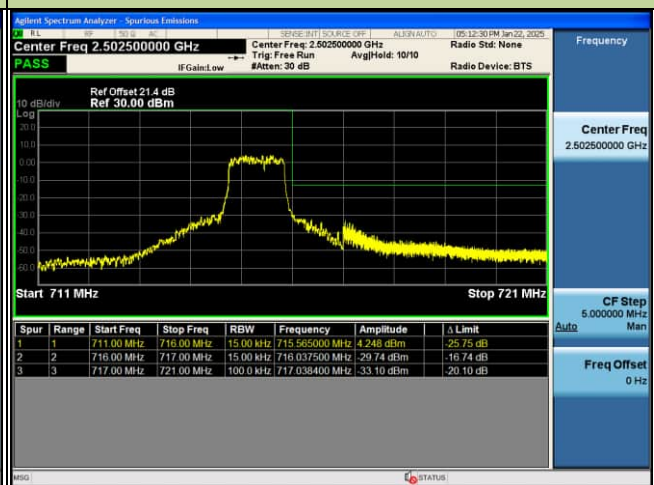
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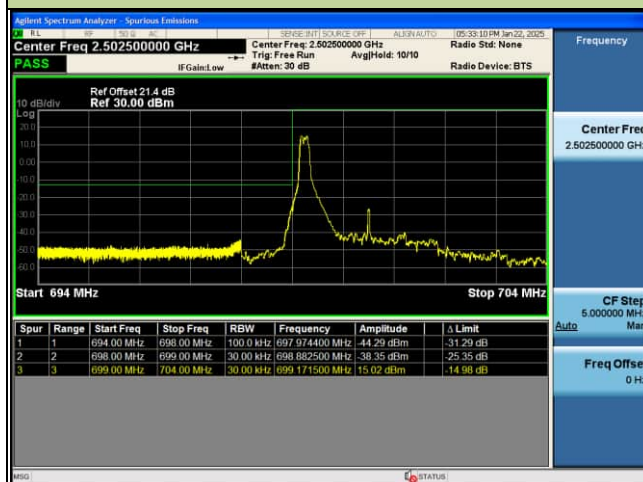
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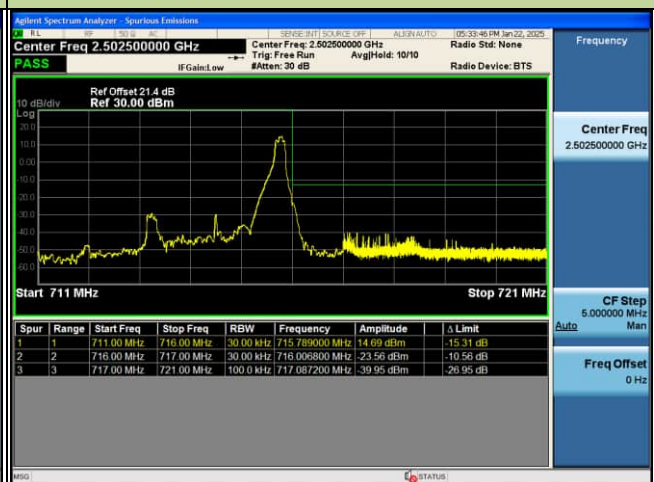
EDGE 4G B12 16QAM 1.4M FULLRB@MAX CH23173



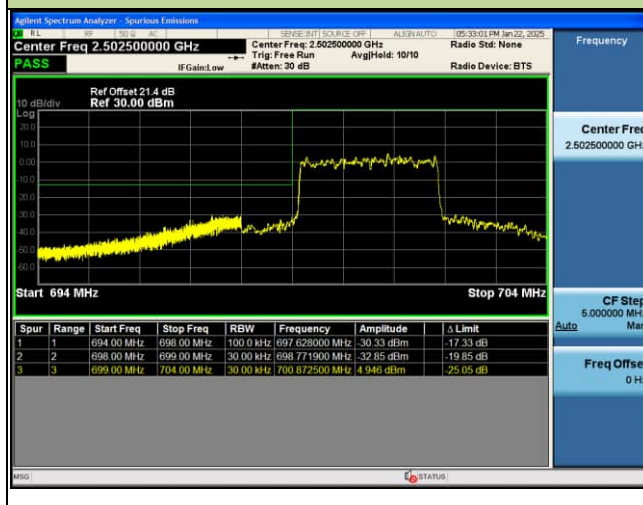
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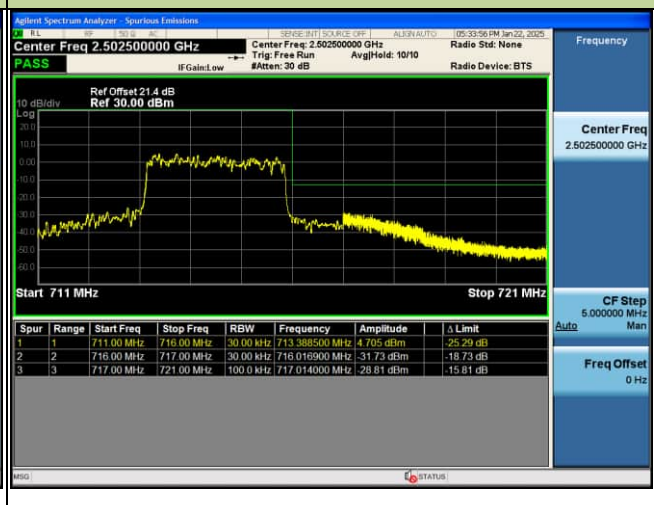
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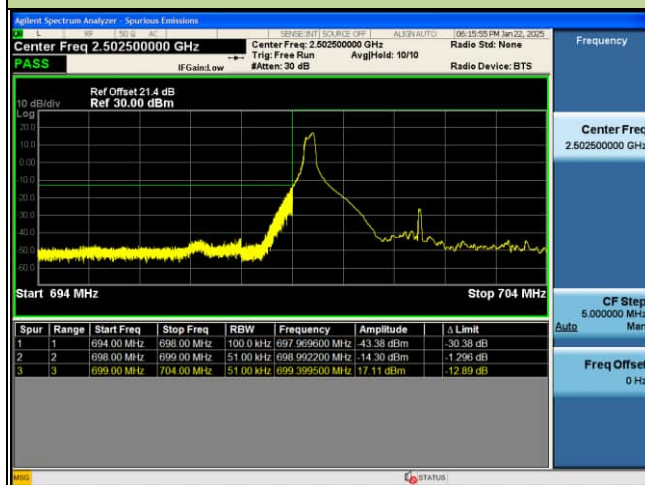
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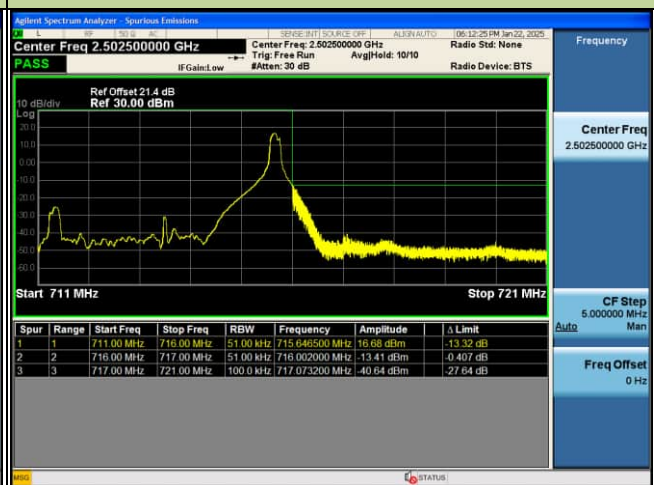
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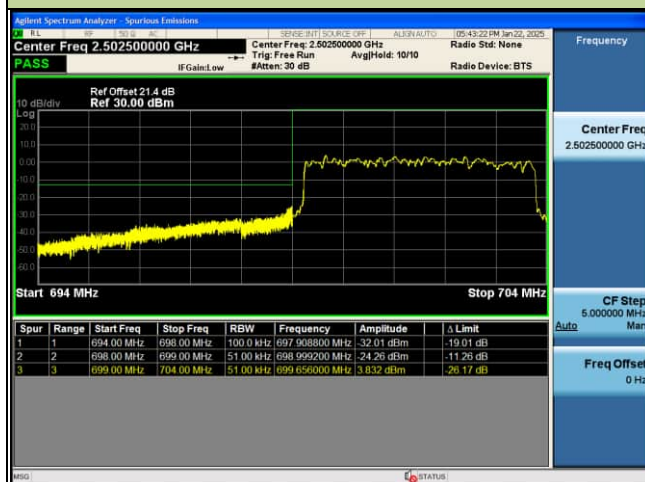
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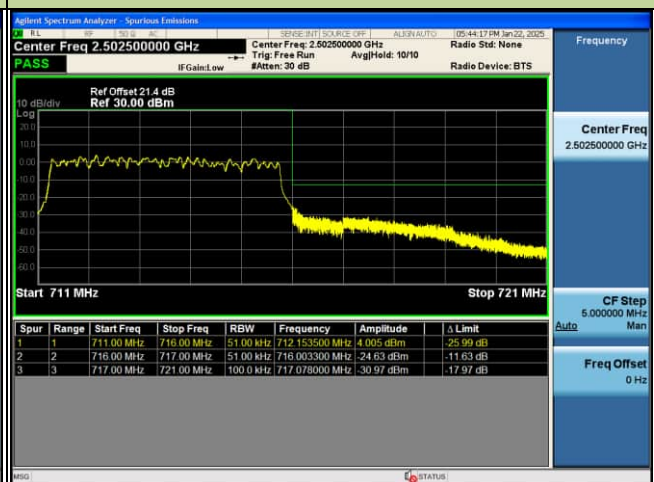
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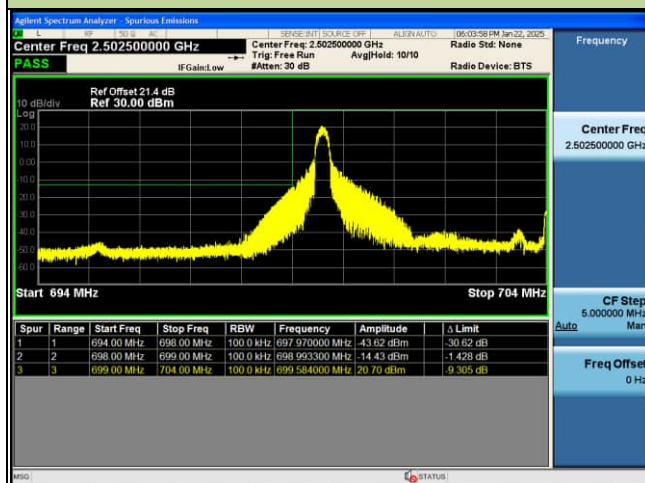
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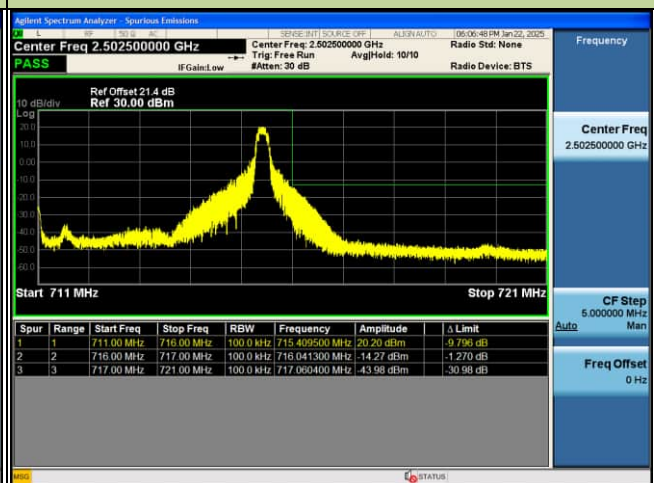
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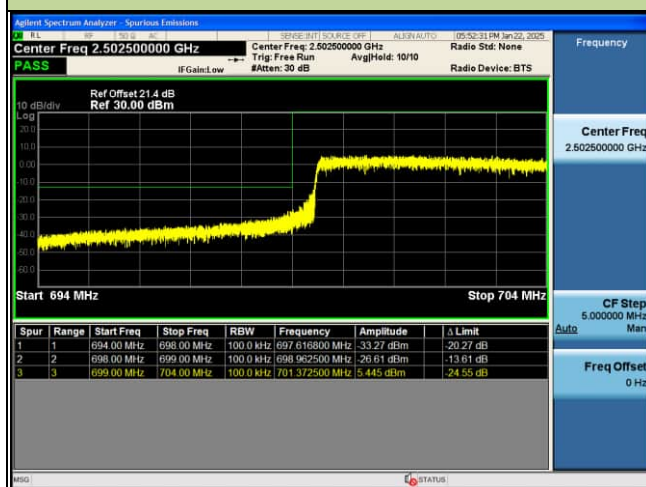
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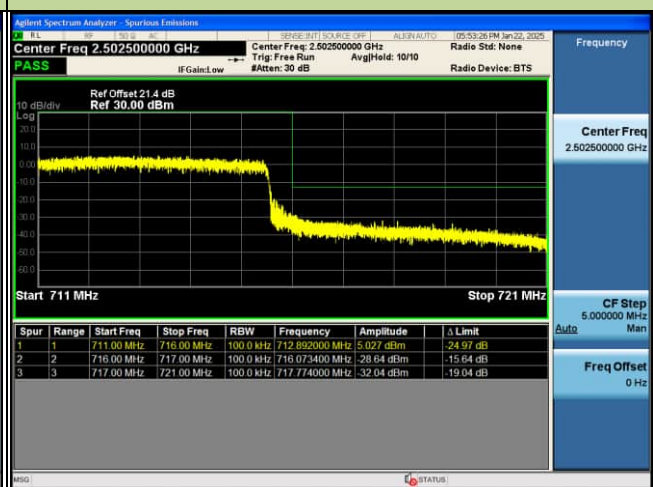
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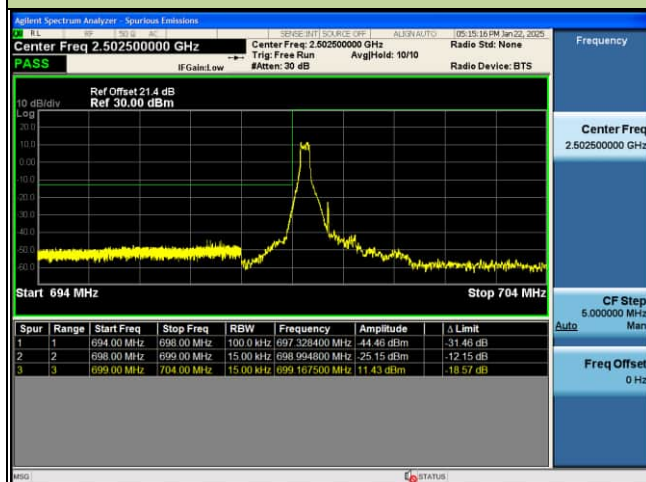
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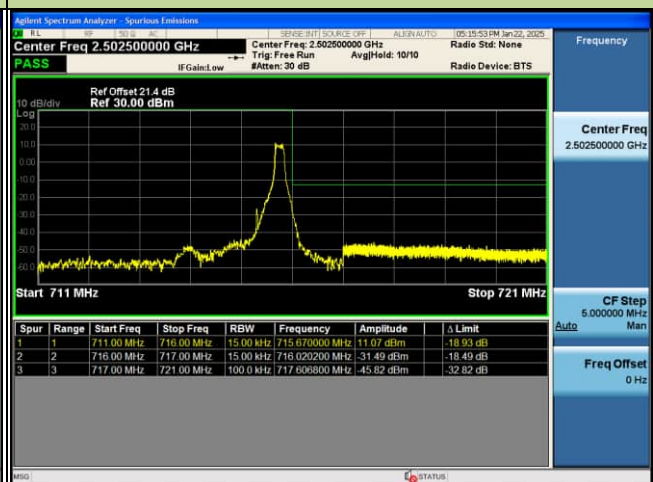
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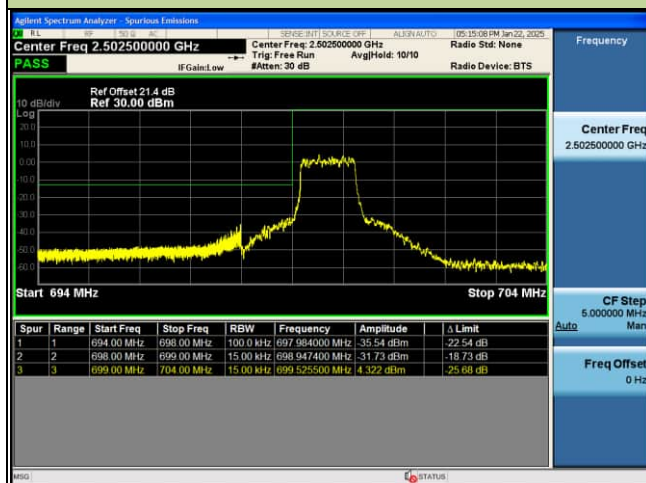
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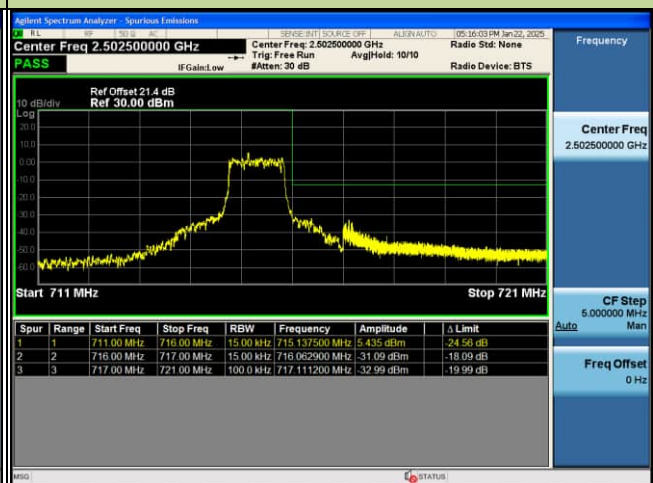
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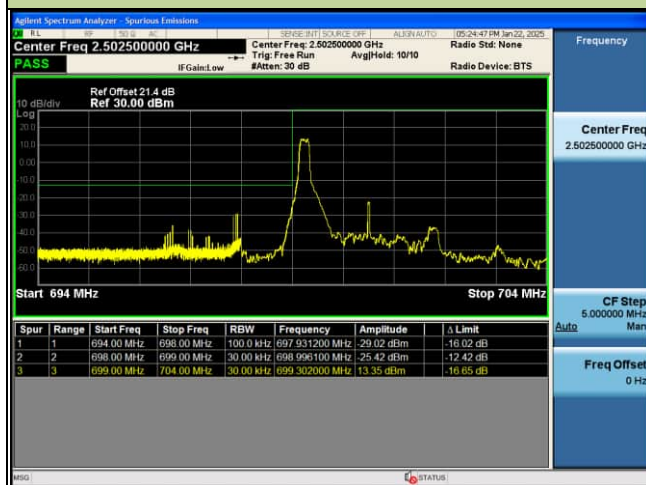
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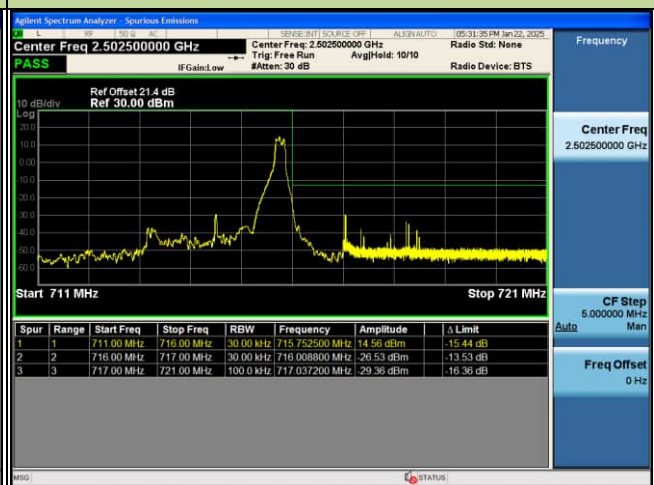
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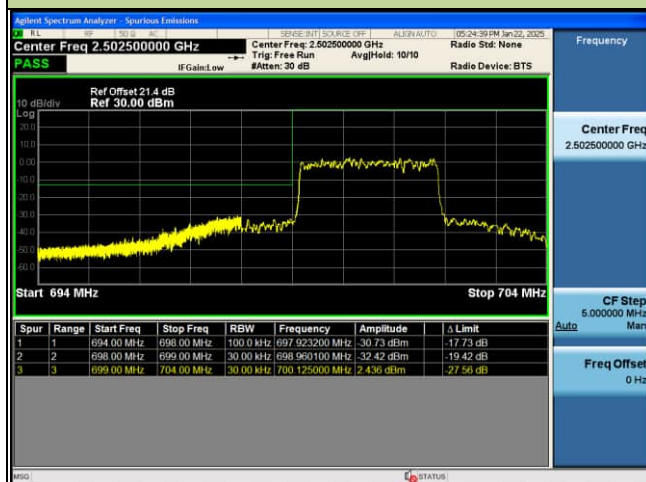
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EDGE_4G_B12_64QAM_3M_1RB@MAX_CH23165



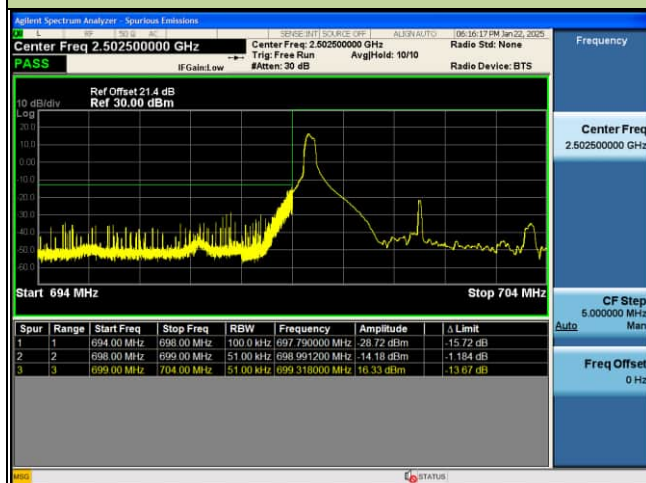
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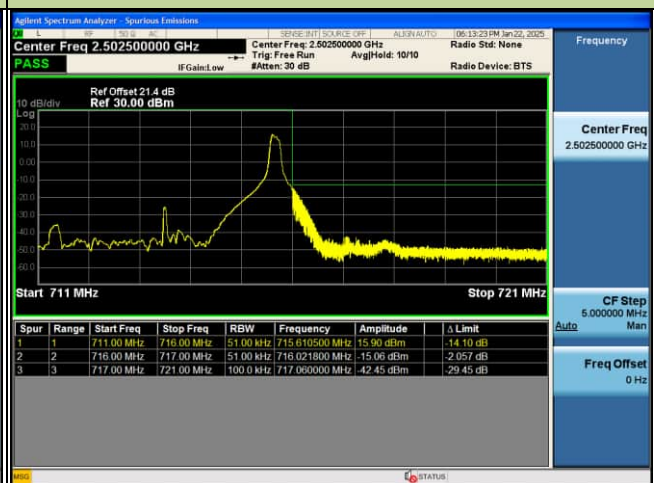
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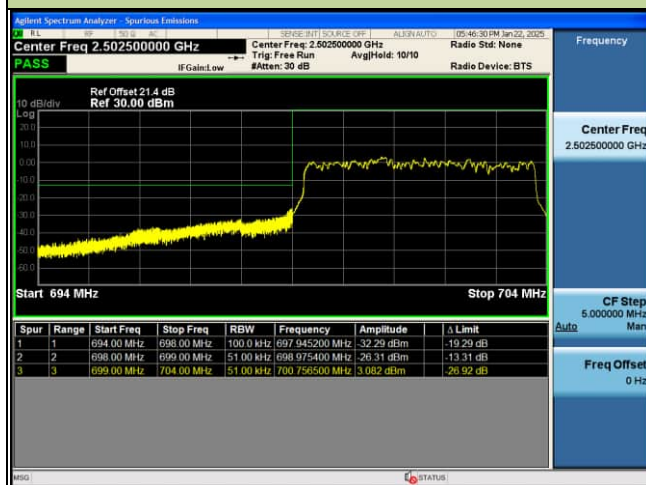
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EDGE_4G_B12_64QAM_5M_1RB@MAX_CH23155



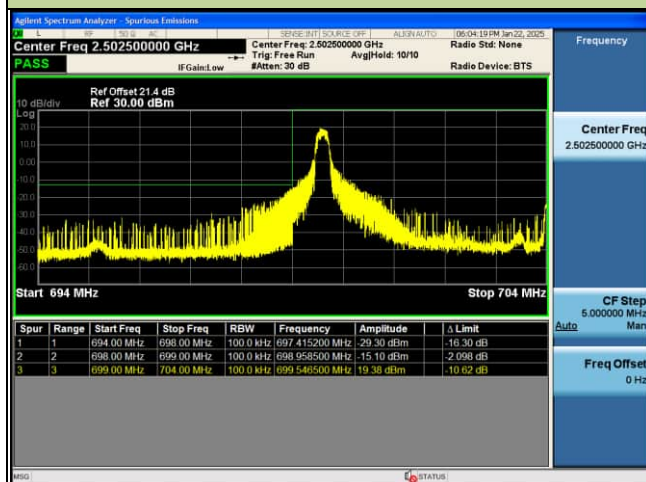
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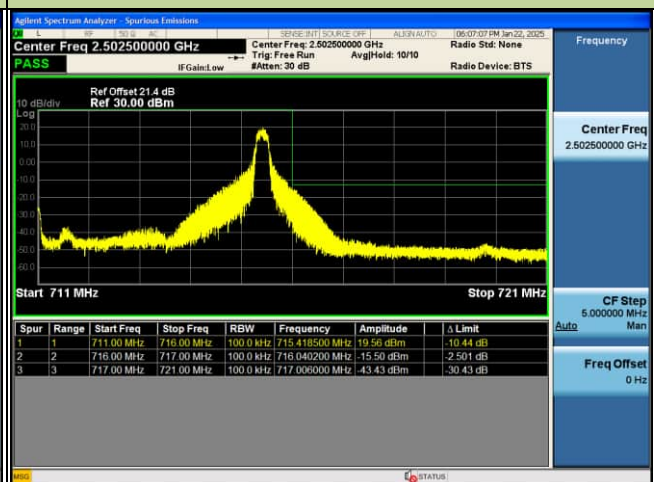
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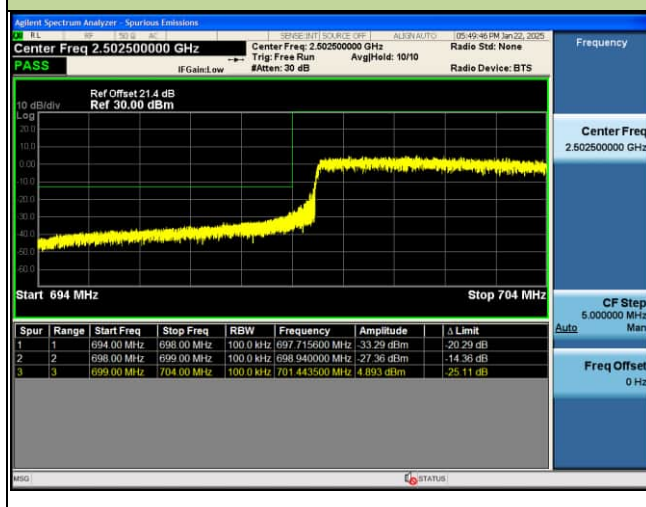
EDGE_4G_B12_64QAM_10M_1RB@0_CH23060



EDGE_4G_B12_64QAM_10M_1RB@MAX_CH23130



EDGE_4G_B12_64QAM_10M_FULL RB@0_CH23060



EDGE_4G_B12_64QAM_10M_FULLRB@MAX_CH23130



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)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
Low, QPSK, CH18607 / 1850.7MHz, Bandwidth 1.4MHz							
3701.4	H	-54.45	1.39	12.11	-43.73	-13	-30.73
5552.1	H	-68.50	1.75	13.16	-57.09	-13	-44.09
7402.8	H	-61.81	1.94	11.30	-52.45	-13	-39.45
3701.4	V	-57.18	1.39	12.11	-46.46	-13	-33.46
5552.1	V	-68.81	1.75	13.16	-57.40	-13	-44.40
7402.8	V	-62.34	1.94	11.30	-52.98	-13	-39.98
Mid, QPSK, CH18900 / 1880MHz, Bandwidth 1.4MHz							
3760	H	-51.52	1.36	12.34	-40.54	-13	-27.54
5640	H	-67.48	1.78	13.46	-55.80	-13	-42.80
7520	H	-63.14	1.87	11.26	-53.75	-13	-40.75
3760	V	-53.97	1.36	12.34	-42.99	-13	-29.99
5640	V	-69.48	1.78	13.46	-57.80	-13	-44.80
7520	V	-62.81	1.87	11.26	-53.42	-13	-40.42
Hight, QPSK, CH19193 / 1909.3MHz, Bandwidth 1.4MHz							
3818.6	H	-52.18	1.35	12.48	-41.05	-13	-28.05
5727.9	H	-63.48	1.84	13.56	-51.76	-13	-38.76
7637.2	H	-60.13	1.65	11.32	-50.46	-13	-37.46
3818.6	V	-56.62	1.35	12.48	-45.49	-13	-32.49
5727.9	V	-63.52	1.84	13.56	-51.80	-13	-38.80
7637.2	V	-62.68	1.65	11.32	-53.01	-13	-40.01

Note:

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

A7.2 LTE Band 4

LTE Band4							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
Low, QPSK, CH19957 / 1710.7MHz, Bandwidth 1.4MHz							
3421.4	H	-65.76	1.36	12.75	-54.37	-13	-41.37
5132.1	H	-65.90	1.60	12.39	-55.11	-13	-42.11
6842.8	H	-59.97	1.79	12.24	-49.52	-13	-36.52
3421.4	V	-67.46	1.36	12.75	-56.07	-13	-43.07
5132.1	V	-66.56	1.60	12.39	-55.77	-13	-42.77
6842.8	V	-61.45	1.79	12.24	-51.00	-13	-38.00
Mid, QPSK, CH20175 /1732.5MHz, Bandwidth 1.4MHz							
3465	H	-63.50	1.34	12.45	-52.39	-13	-39.39
5197.5	H	-67.43	1.68	12.79	-56.32	-13	-43.32
6930	H	-60.99	1.83	12.21	-50.61	-13	-37.61
3465	V	-63.16	1.34	12.45	-52.05	-13	-39.05
5197.5	V	-69.91	1.68	12.79	-58.80	-13	-45.80
6930	V	-59.02	1.83	12.21	-48.64	-13	-35.64
Hight, QPSK, CH20393 / 1754.3MHz, Bandwidth1.4MHz							
3508.6	H	-62.32	1.36	12.21	-51.47	-13	-38.47
5262.9	H	-69.98	1.73	13.24	-58.47	-13	-45.47
7017.2	H	-63.33	1.89	11.91	-53.30	-13	-40.30
3508.6	V	-63.25	1.36	12.21	-52.40	-13	-39.40
5262.9	V	-69.84	1.73	13.24	-58.33	-13	-45.33
7017.2	V	-62.83	1.89	11.91	-52.80	-13	-39.80

Note:

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

A7.3 LTE Band 5

LTE Band5							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
Low, QPSK, CH20407 / 824.7MHz, Bandwidth 1.4MHz							
1649.4	H	-72.76	1.05	9.65	-64.16	-13	-51.16
2474.1	H	-74.30	1.12	10.52	-64.90	-13	-51.90
3298.8	H	-53.94	1.29	12.19	-43.04	-13	-30.04
1649.4	V	-71.11	1.05	9.65	-62.51	-13	-49.51
2474.1	V	-73.43	1.12	10.52	-64.03	-13	-51.03
3298.8	V	-54.45	1.29	12.19	-43.55	-13	-30.55
Mid, QPSK, CH20525 / 836.5MHz, Bandwidth 1.4MHz							
1673	H	-70.99	1.07	9.77	-62.30	-13	-49.30
2509.5	H	-74.57	1.14	10.64	-65.07	-13	-52.07
3346	H	-39.70	1.32	12.52	-28.50	-13	-15.50
1673	V	-70.55	1.07	9.77	-61.86	-13	-48.86
2509.5	V	-71.70	1.14	10.64	-62.20	-13	-49.20
3346	V	-38.88	1.32	12.52	-27.68	-13	-14.68
Hight, QPSK, CH20643 / 848.3MHz, Bandwidth 1.4MHz							
1696.6	H	-69.16	1.10	9.88	-60.37	-13	-47.37
2544.9	H	-74.78	1.15	10.78	-65.15	-13	-52.15
3393.2	H	-46.86	1.38	12.85	-35.39	-13	-22.39
1696.6	V	-69.92	1.10	9.88	-61.13	-13	-48.13
2544.9	V	-74.69	1.15	10.78	-65.06	-13	-52.06
3393.2	V	-44.84	1.38	12.85	-33.37	-13	-20.37

Note:

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

A7.4 LTE Band 7

LTE Band7							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
Low, QPSK, CH20775 / 2502.5MHz, Bandwidth 5MHz							
5005	H	-56.20	1.58	12.77	-45.01	-25	-20.01
7507.5	H	-58.05	1.93	11.29	-48.70	-25	-23.70
10010	H	-55.07	1.97	10.91	-46.13	-25	-21.13
5005	V	-57.33	1.58	12.77	-46.14	-25	-21.14
7507.5	V	-61.49	1.93	11.29	-52.14	-25	-27.14
10010	V	-57.72	1.97	10.91	-48.78	-25	-23.78
Mid, QPSK, CH21100 / 2535MHz, Bandwidth 5MHz							
5070	H	-56.23	1.55	12.38	-45.40	-25	-20.40
7605	H	-55.98	1.76	11.13	-46.61	-25	-21.61
10140	H	-55.82	2.39	10.84	-47.37	-25	-22.37
5070	V	-56.14	1.55	12.38	-45.31	-25	-20.31
7605	V	-60.30	1.76	11.13	-50.93	-25	-25.93
10140	V	-58.49	2.39	10.84	-50.04	-25	-25.04
Hight, QPSK, CH21425 / 2567.5MHz, Bandwidth 5MHz							
5135	H	-55.32	1.60	12.41	-44.51	-25	-19.51
7702.5	H	-57.74	1.70	11.70	-47.74	-25	-22.74
10270	H	-55.67	1.77	10.81	-46.63	-25	-21.63
5135	V	-57.45	1.60	12.41	-46.64	-25	-21.64
7702.5	V	-60.00	1.70	11.70	-50.00	-25	-25.00
10270	V	-58.04	1.77	10.81	-49.00	-25	-24.00

Note:

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

A7.5 LTE Band 12

LTE Band12							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
Low, QPSK, CH23017 / 699.7MHz, Bandwidth 1.4MHz							
1399.4	H	-68.78	1.01	7.10	-62.69	-13	-49.69
2099.1	H	-72.90	1.16	9.60	-64.45	-13	-51.45
2798.8	H	-67.69	1.19	11.00	-57.88	-13	-44.88
1399.4	V	-70.35	1.01	7.10	-64.26	-13	-51.26
2099.1	V	-72.80	1.16	9.60	-64.35	-13	-51.35
2798.8	V	-62.96	1.19	11.00	-53.15	-13	-40.15
Mid, QPSK, CH23095 / 707.5MHz, Bandwidth 1.4MHz							
1415	H	-64.75	1.01	7.15	-58.62	-13	-45.62
2122.5	H	-72.21	1.16	9.56	-63.81	-13	-50.81
2830	H	-66.67	1.24	11.06	-56.85	-13	-43.85
1415	V	-65.10	1.01	7.15	-58.97	-13	-45.97
2122.5	V	-72.39	1.16	9.56	-63.99	-13	-50.99
2830	V	-64.73	1.24	11.06	-54.91	-13	-41.91
Hight, QPSK, CH23173 / 715.3MHz, Bandwidth 1.4MHz							
1430.6	H	-66.13	1.02	7.19	-59.95	-13	-46.95
2145.9	H	-73.15	1.16	9.51	-64.80	-13	-51.80
2861.2	H	-70.19	1.27	11.12	-60.34	-13	-47.34
1430.6	V	-67.15	1.02	7.19	-60.97	-13	-47.97
2145.9	V	-71.60	1.16	9.51	-63.25	-13	-50.25
2861.2	V	-69.84	1.27	11.12	-59.99	-13	-46.99

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 “2411TW7401-UT” file.

Appendix C : External Photograph

Refer to “2411TW7401-UE” file.

Appendix D : Internal Photograph

Refer to “2411TW7401-UI” file.

_____ The End _____