

Appendix D: Band Edge

Test Result (worst case)

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-26.04,-25.76	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	-30.60,-39.46	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-28.58,-26.17	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	-41.33,-31.13	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-30.13,-22.23	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-26.20,-30.12	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-27.87,-27.74	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	-31.84,-40.49	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-30.83,-28.37	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	-40.78,-32.60	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-27.84,-23.35	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-25.79,-31.97	PASS
Band2	20MHz	QPSK	18700	1RB#0	-40.78,-37.27	PASS
Band2	20MHz	QPSK	18700	1RB#99	-31.71,-58.27	PASS
Band2	20MHz	QPSK	18700	100RB#0	-26.69,-29.77	PASS
Band2	20MHz	QPSK	19100	1RB#0	-58.80,-50.19	PASS
Band2	20MHz	QPSK	19100	1RB#99	-40.09,-44.02	PASS
Band2	20MHz	QPSK	19100	100RB#0	-23.89,-20.16	PASS
Band2	20MHz	16QAM	18700	1RB#0	-44.87,-38.99	PASS
Band2	20MHz	16QAM	18700	1RB#99	-35.22,-57.44	PASS
Band2	20MHz	16QAM	18700	100RB#0	-29.98,-32.28	PASS
Band2	20MHz	16QAM	19100	1RB#0	-60.85,-50.69	PASS
Band2	20MHz	16QAM	19100	1RB#99	-37.96,-45.25	PASS
Band2	20MHz	16QAM	19100	100RB#0	-27.80,-24.44	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	-28.04,-26.91	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-28.15,-37.27	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-27.47,-29.64	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-35.27,-27.40	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-26.99,-27.02	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-30.97,-30.39	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-28.87,-28.97	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-29.33,-38.01	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-28.75,-31.70	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-35.84,-28.30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-27.74,-27.66	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-30.13,-31.47	PASS

Band4	20MHz	QPSK	20050	1RB#0	-43.98,-38.45	PASS
Band4	20MHz	QPSK	20050	1RB#99	-31.54,-59.17	PASS
Band4	20MHz	QPSK	20050	100RB#0	-33.84,-36.74	PASS
Band4	20MHz	QPSK	20300	1RB#0	-36.36,-28.30	PASS
Band4	20MHz	QPSK	20300	1RB#99	-37.95,-43.22	PASS
Band4	20MHz	QPSK	20300	100RB#0	-37.84,-34.47	PASS
Band4	20MHz	16QAM	20050	1RB#0	-44.76,-38.09	PASS
Band4	20MHz	16QAM	20050	1RB#99	-34.75,-58.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	-33.90,-36.75	PASS
Band4	20MHz	16QAM	20300	1RB#0	-37.59,-33.72	PASS
Band4	20MHz	16QAM	20300	1RB#99	-41.20,-44.83	PASS
Band4	20MHz	16QAM	20300	100RB#0	-37.25,-33.97	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	-48.67,-31.68	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-56.39,-47.33	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-45.82,-33.70	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-44.87,-56.06	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-36.68,-52.07	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-29.70,-45.96	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-50.58,-36.99	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-56.78,-43.35	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-45.06,-36.95	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-42.66,-55.35	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-30.93,-52.87	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-30.60,-44.54	PASS
Band5	10MHz	QPSK	20450	1RB#0	-55.51,-34.69	PASS
Band5	10MHz	QPSK	20450	1RB#49	-54.61,-52.40	PASS
Band5	10MHz	QPSK	20450	50RB#0	-38.75,-31.02	PASS
Band5	10MHz	QPSK	20600	1RB#0	-53.13,-43.43	PASS
Band5	10MHz	QPSK	20600	1RB#49	-33.29,-53.24	PASS
Band5	10MHz	QPSK	20600	50RB#0	-27.83,-35.35	PASS
Band5	10MHz	16QAM	20450	1RB#0	-57.42,-35.55	PASS
Band5	10MHz	16QAM	20450	1RB#49	-52.82,-51.93	PASS
Band5	10MHz	16QAM	20450	50RB#0	-40.81,-33.71	PASS
Band5	10MHz	16QAM	20600	1RB#0	-53.58,-40.86	PASS
Band5	10MHz	16QAM	20600	1RB#49	-33.68,-55.06	PASS
Band5	10MHz	16QAM	20600	50RB#0	-30.58,-37.35	PASS
Band7	5MHz	QPSK	20775	1RB#0	-48.51,-41.44,-37.90,-25.87	PASS
Band7	5MHz	QPSK	20775	1RB#24	-49.65,-40.66,-40.10,-43.71	PASS
Band7	5MHz	QPSK	20775	25RB#0	-40.21,-32.12,-28.25,-30.60	PASS
Band7	5MHz	QPSK	21425	1RB#0	-46.97,-41.55,-49.52,-49.64	PASS
Band7	5MHz	QPSK	21425	1RB#24	-25.34,-38.34,-48.54,-48.81	PASS
Band7	5MHz	QPSK	21425	25RB#0	-28.79,-24.92,-40.07,-41.91	PASS

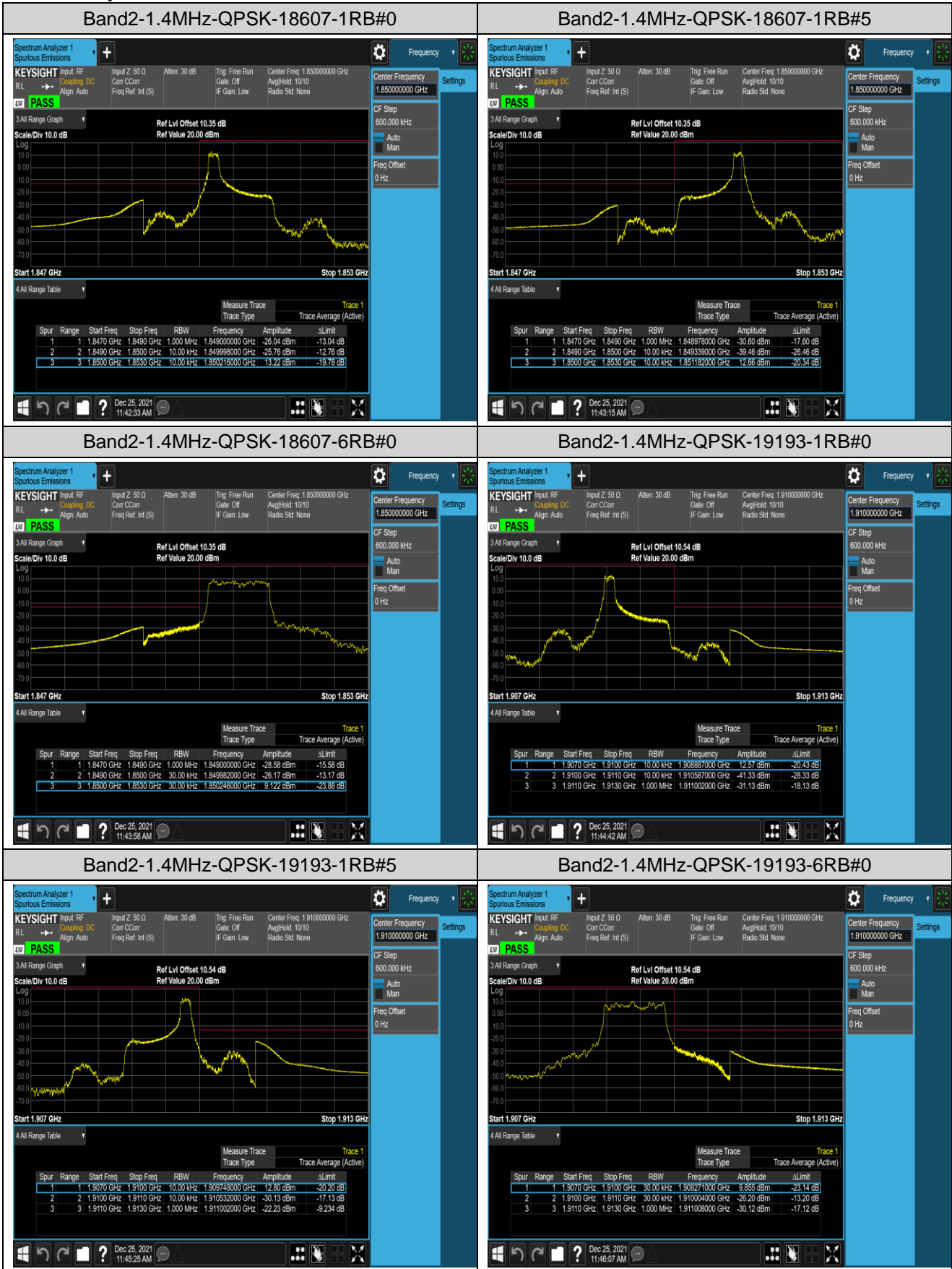
Band7	5MHz	16QAM	20775	1RB#0	-49.30,-44.19,-39.69,-27.35	PASS
Band7	5MHz	16QAM	20775	1RB#24	-50.14,-36.13,-36.53,-46.13	PASS
Band7	5MHz	16QAM	20775	25RB#0	-41.76,-35.21,-28.33,-31.03	PASS
Band7	5MHz	16QAM	21425	1RB#0	-46.97,-37.55,-49.70,-49.90	PASS
Band7	5MHz	16QAM	21425	1RB#24	-28.51,-39.44,-48.94,-49.14	PASS
Band7	5MHz	16QAM	21425	25RB#0	-30.37,-27.66,-40.15,-43.14	PASS
Band7	20MHz	QPSK	20850	1RB#0	-47.09,-38.21,-42.35,-38.03	PASS
Band7	20MHz	QPSK	20850	1RB#99	-38.15,-39.40,-47.29,-55.85	PASS
Band7	20MHz	QPSK	20850	100RB#0	-34.43,-31.89,-29.79,-32.88	PASS
Band7	20MHz	QPSK	21350	1RB#0	-57.96,-47.50,-39.40,-51.03	PASS
Band7	20MHz	QPSK	21350	1RB#99	-37.93,-42.38,-38.57,-51.07	PASS
Band7	20MHz	QPSK	21350	100RB#0	-32.36,-28.82,-31.12,-47.98	PASS
Band7	20MHz	16QAM	20850	1RB#0	-48.70,-39.83,-43.46,-38.04	PASS
Band7	20MHz	16QAM	20850	1RB#99	-37.54,-40.23,-47.94,-57.68	PASS
Band7	20MHz	16QAM	20850	100RB#0	-35.94,-32.87,-30.91,-33.82	PASS
Band7	20MHz	16QAM	21350	1RB#0	-58.84,-48.05,-39.93,-51.04	PASS
Band7	20MHz	16QAM	21350	1RB#99	-37.52,-43.41,-39.85,-51.05	PASS
Band7	20MHz	16QAM	21350	100RB#0	-33.94,-30.54,-32.56,-47.85	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	-36.52,-29.67	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-30.65,-50.88	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-32.58,-35.42	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-49.32,-31.63	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-28.91,-35.57	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-34.41,-31.23	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-36.39,-29.63	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-31.56,-49.03	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-32.88,-35.00	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-50.15,-34.62	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-31.80,-37.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-33.73,-32.31	PASS
Band12	10MHz	QPSK	23060	1RB#0	-37.98,-33.04	PASS
Band12	10MHz	QPSK	23060	1RB#49	-44.66,-49.65	PASS
Band12	10MHz	QPSK	23060	50RB#0	-43.59,-43.29	PASS
Band12	10MHz	QPSK	23130	1RB#0	-50.23,-55.65	PASS
Band12	10MHz	QPSK	23130	1RB#49	-31.38,-36.50	PASS
Band12	10MHz	QPSK	23130	50RB#0	-42.74,-44.06	PASS
Band12	10MHz	16QAM	23060	1RB#0	-39.66,-34.08	PASS
Band12	10MHz	16QAM	23060	1RB#49	-49.16,-50.60	PASS
Band12	10MHz	16QAM	23060	50RB#0	-43.16,-43.36	PASS
Band12	10MHz	16QAM	23130	1RB#0	-51.33,-56.47	PASS
Band12	10MHz	16QAM	23130	1RB#49	-32.41,-38.85	PASS
Band12	10MHz	16QAM	23130	50RB#0	-42.09,-43.64	PASS

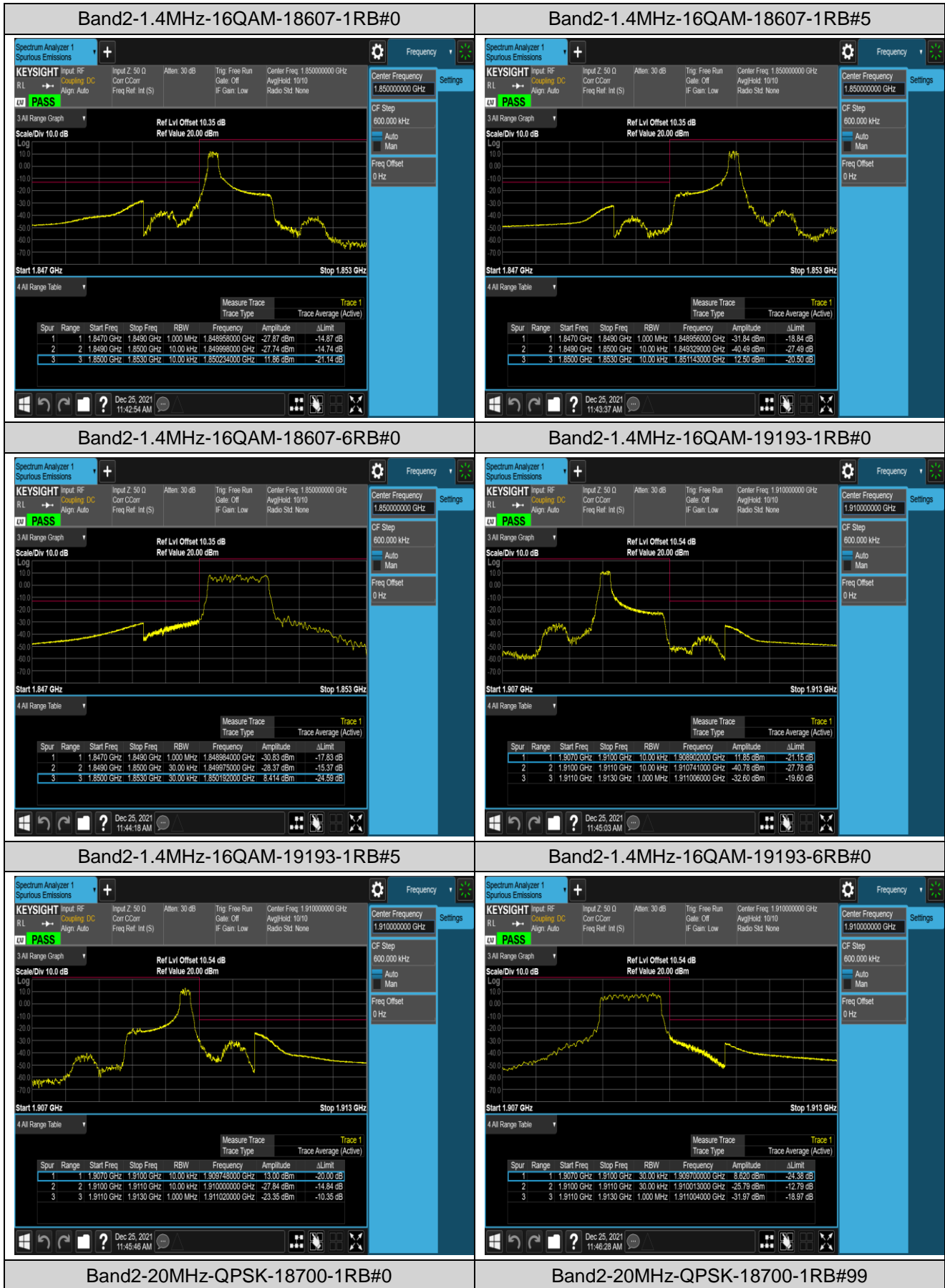
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Band17	5MHz	QPSK	23825	1RB#0	-43.24,-35.74	PASS
Band17	5MHz	QPSK	23825	1RB#24	-26.32,-37.06	PASS
Band17	5MHz	QPSK	23825	25RB#0	-36.41,-40.73	PASS
Band17	5MHz	16QAM	23755	1RB#0	-39.48,-26.95	PASS
Band17	5MHz	16QAM	23755	1RB#24	-34.57,-45.06	PASS
Band17	5MHz	16QAM	23755	25RB#0	-39.38,-37.72	PASS
Band17	5MHz	16QAM	23825	1RB#0	-43.95,-38.69	PASS
Band17	5MHz	16QAM	23825	1RB#24	-27.06,-38.59	PASS
Band17	5MHz	16QAM	23825	25RB#0	-38.02,-40.49	PASS
Band17	10MHz	QPSK	23780	1RB#0	-41.88,-32.88	PASS
Band17	10MHz	QPSK	23780	1RB#49	-32.76,-49.31	PASS
Band17	10MHz	QPSK	23780	50RB#0	-43.55,-42.64	PASS
Band17	10MHz	QPSK	23800	1RB#0	-49.59,-56.09	PASS
Band17	10MHz	QPSK	23800	1RB#49	-31.23,-39.15	PASS
Band17	10MHz	QPSK	23800	50RB#0	-42.50,-45.20	PASS
Band17	10MHz	16QAM	23780	1RB#0	-41.74,-34.42	PASS
Band17	10MHz	16QAM	23780	1RB#49	-36.22,-48.81	PASS
Band17	10MHz	16QAM	23780	50RB#0	-42.69,-42.37	PASS
Band17	10MHz	16QAM	23800	1RB#0	-50.61,-57.14	PASS
Band17	10MHz	16QAM	23800	1RB#49	-32.50,-41.63	PASS
Band17	10MHz	16QAM	23800	50RB#0	-42.42,-43.89	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	-27.72,-27.71	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	-28.40,-37.03	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	-27.95,-31.32	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	-37.47,-28.70	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	-28.75,-26.69	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-30.93,-30.73	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	-29.01,-27.60	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	-29.70,-38.23	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-29.24,-32.11	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	-37.70,-30.12	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	-28.30,-28.64	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-31.27,-31.83	PASS
Band66	20MHz	QPSK	132072	1RB#0	-43.86,-39.68	PASS
Band66	20MHz	QPSK	132072	1RB#99	-31.88,-56.55	PASS
Band66	20MHz	QPSK	132072	100RB#0	-33.64,-36.66	PASS
Band66	20MHz	QPSK	132572	1RB#0	-58.11,-32.10	PASS
Band66	20MHz	QPSK	132572	1RB#99	-39.52,-44.39	PASS
Band66	20MHz	QPSK	132572	100RB#0	-38.59,-35.23	PASS

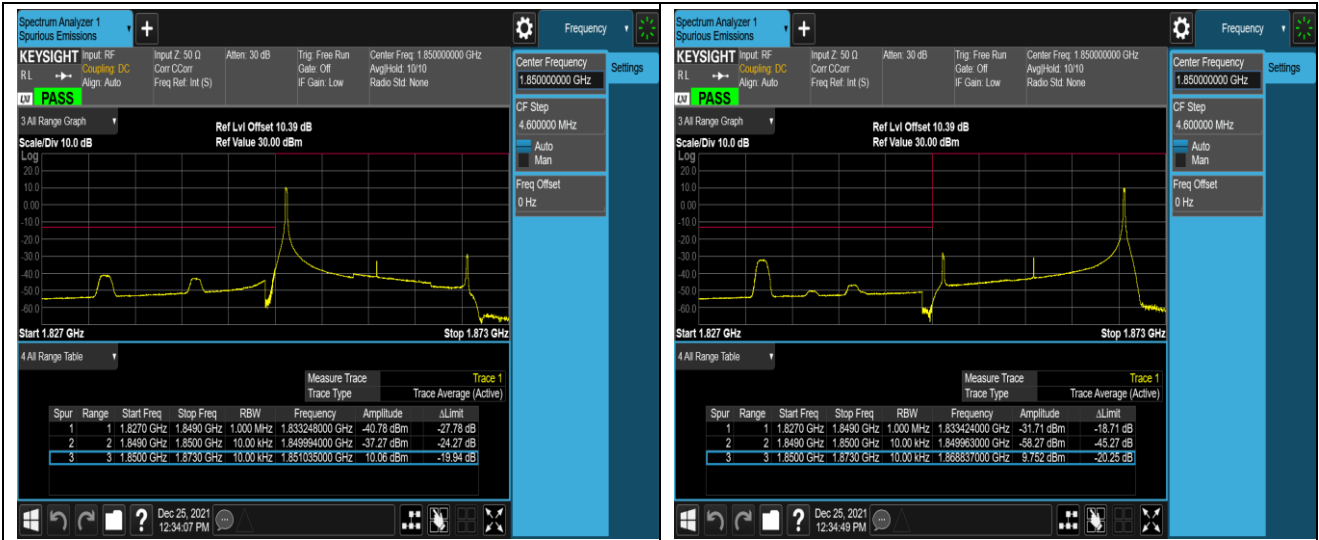
Band66	20MHz	16QAM	132072	1RB#0	-45.14,-38.88	PASS
Band66	20MHz	16QAM	132072	1RB#99	-35.58,-57.71	PASS
Band66	20MHz	16QAM	132072	100RB#0	-33.90,-37.30	PASS
Band66	20MHz	16QAM	132572	1RB#0	-59.02,-35.87	PASS
Band66	20MHz	16QAM	132572	1RB#99	-39.09,-45.68	PASS
Band66	20MHz	16QAM	132572	100RB#0	-38.52,-35.04	PASS

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs

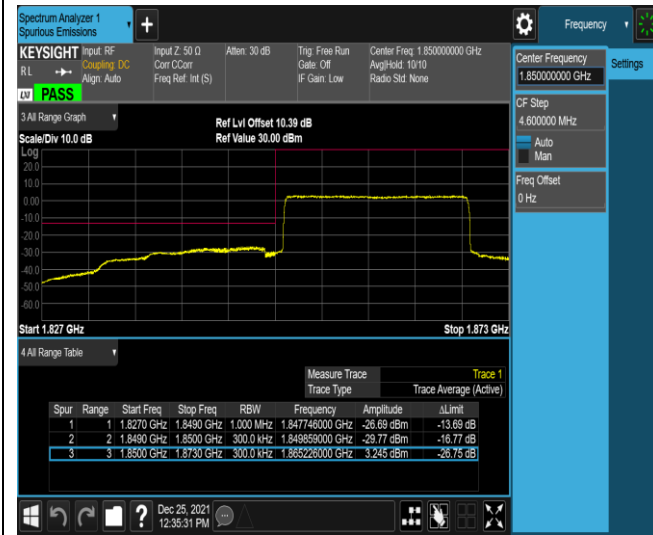




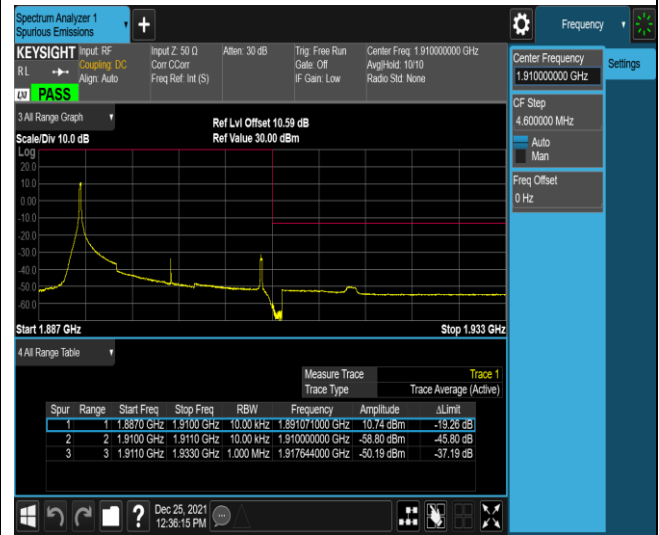


Band2-20MHz-QPSK-18700-100RB#0

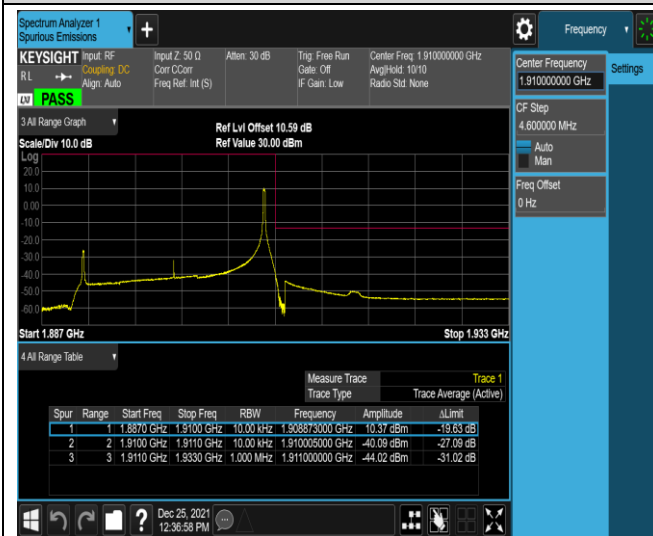
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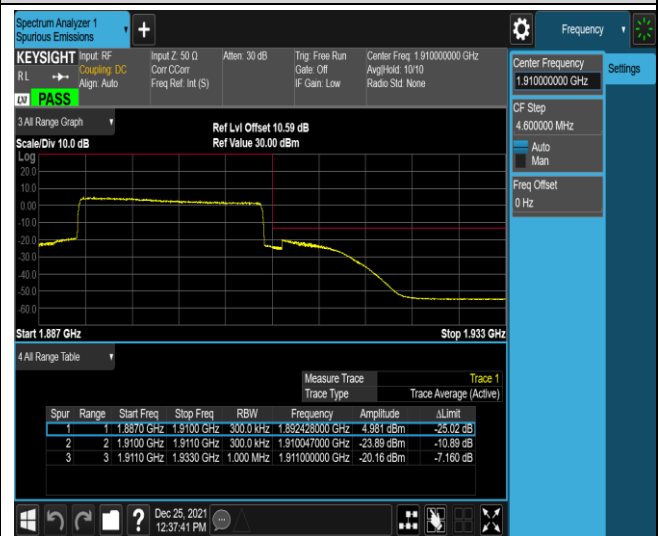
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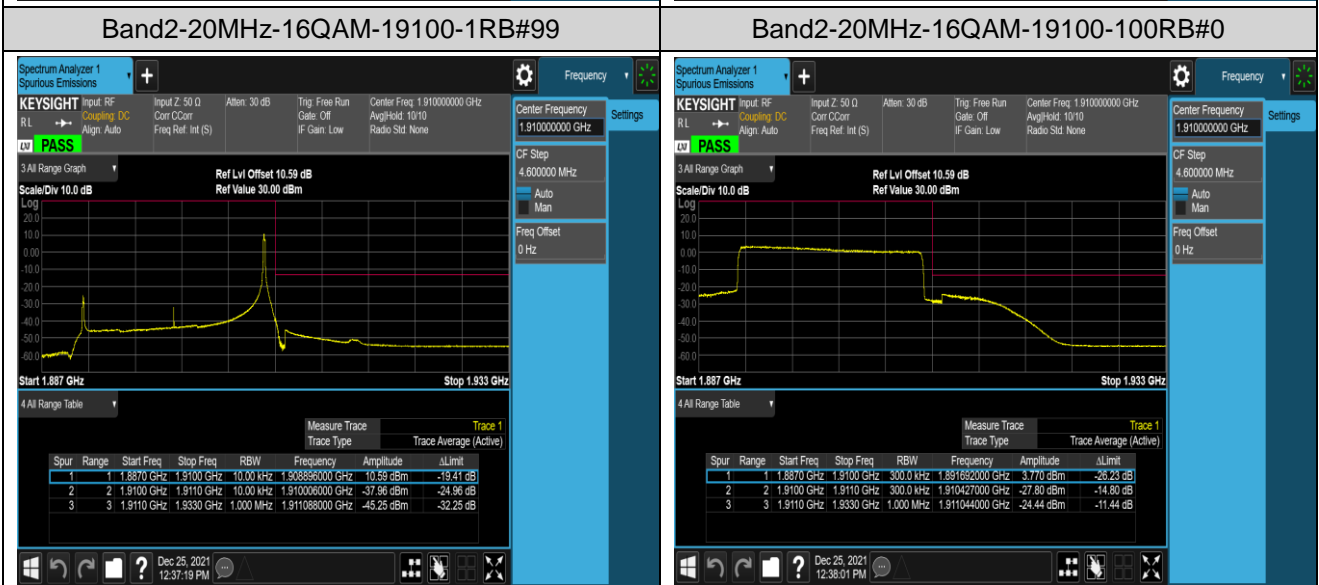
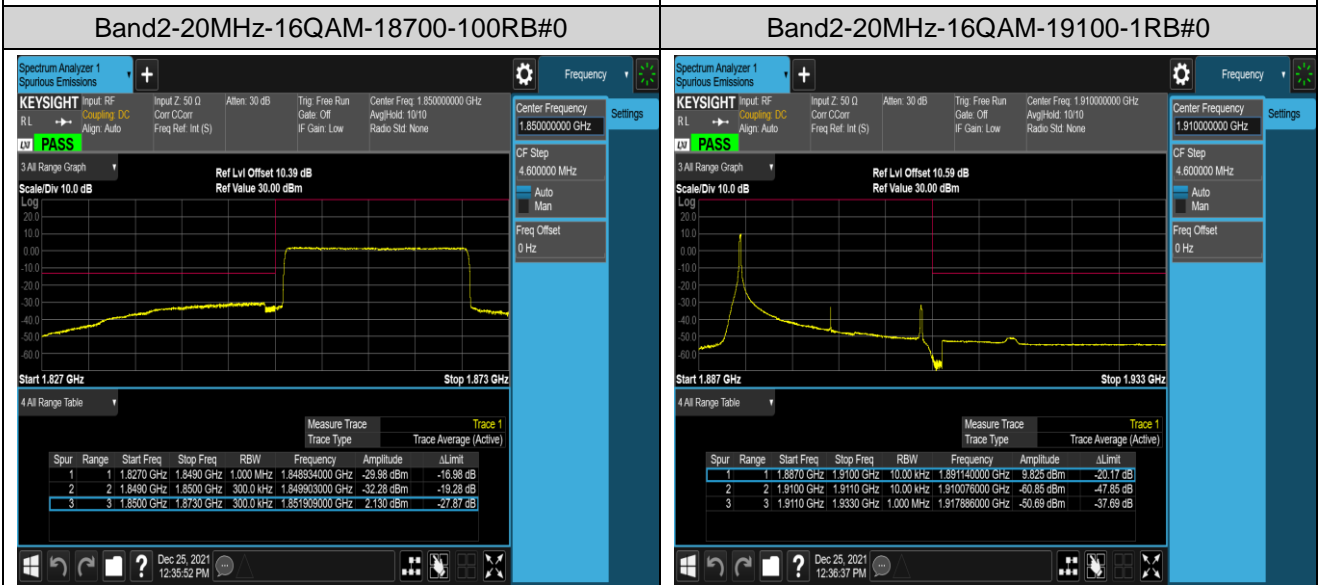
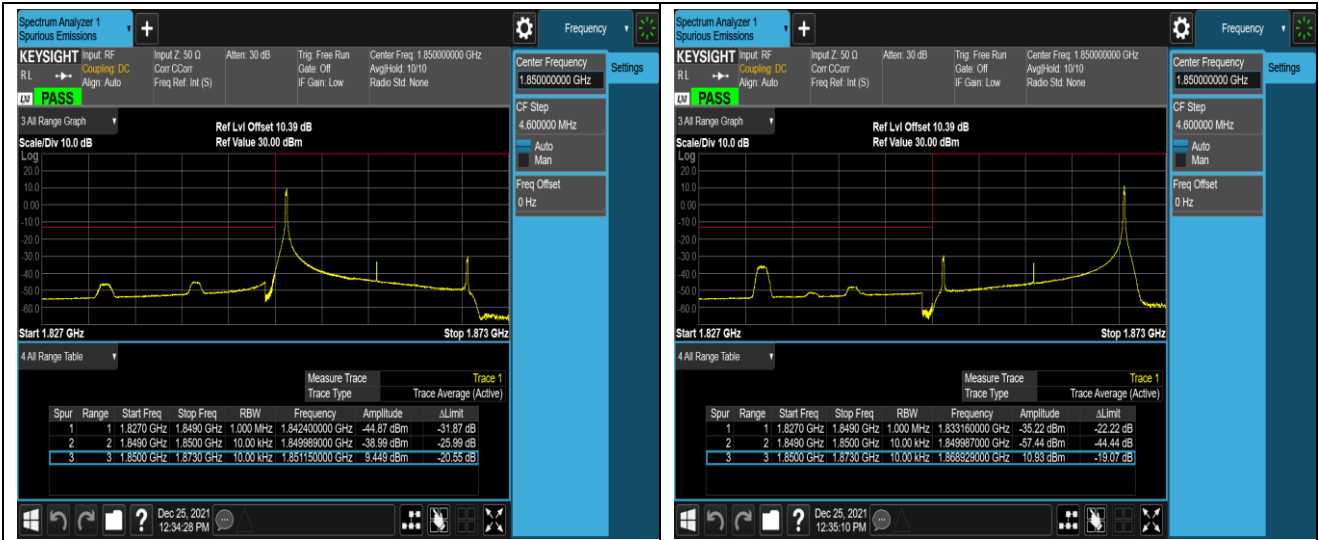
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Band2-20MHz-16QAM-18700-1RB#0



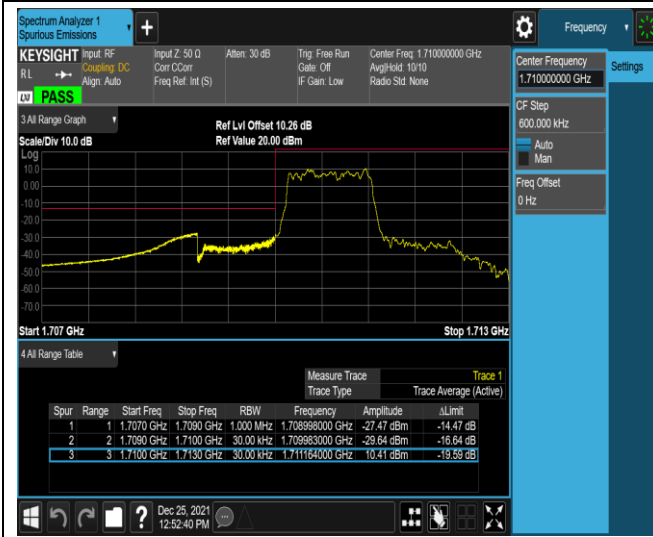
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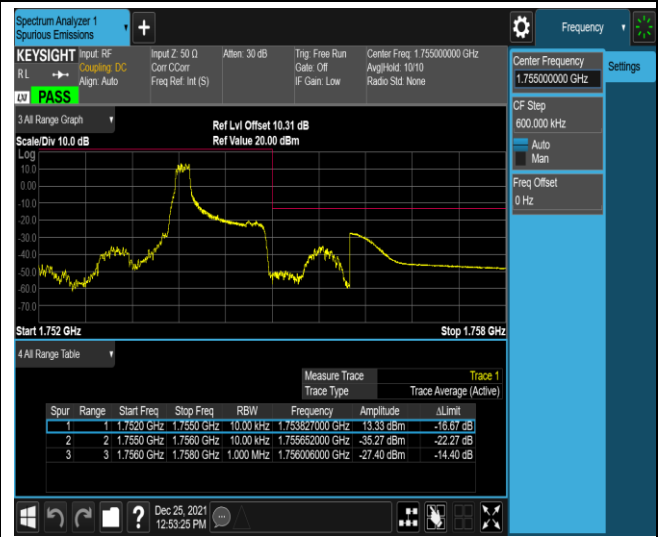


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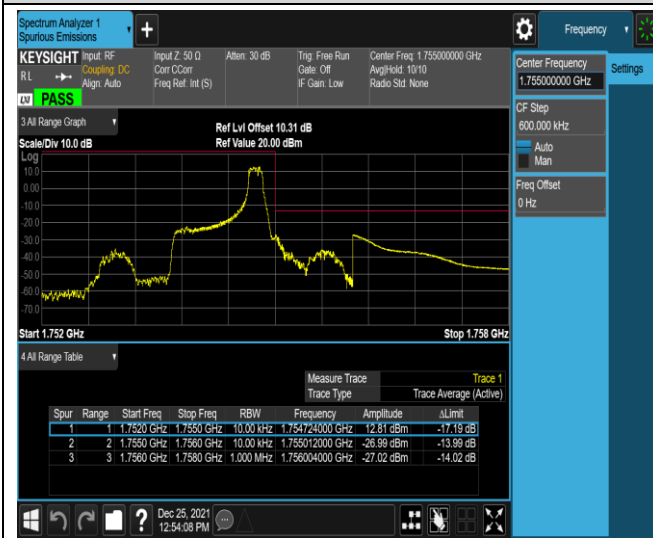
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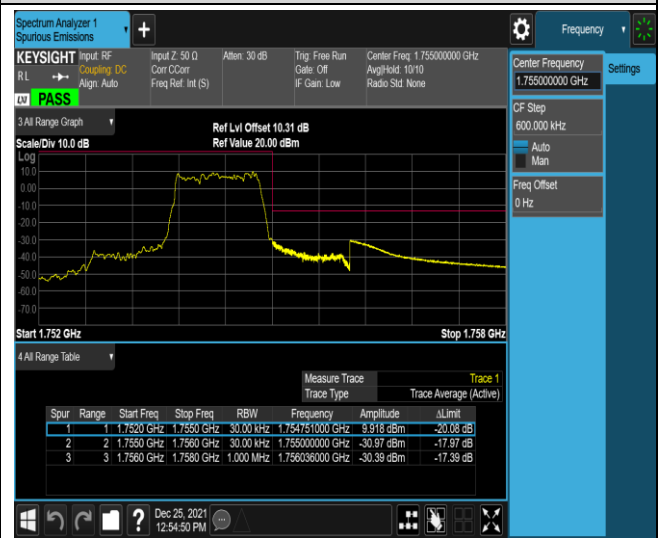
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Band4-1.4MHz-QPSK-20393-6RB#0



Band4-1.4MHz-16QAM-19957-1RB#0



Band4-1.4MHz-16QAM-19957-1RB#5



Band4-1.4MHz-16QAM-19957-6RB#0

Band4-1.4MHz-16QAM-20393-1RB#0



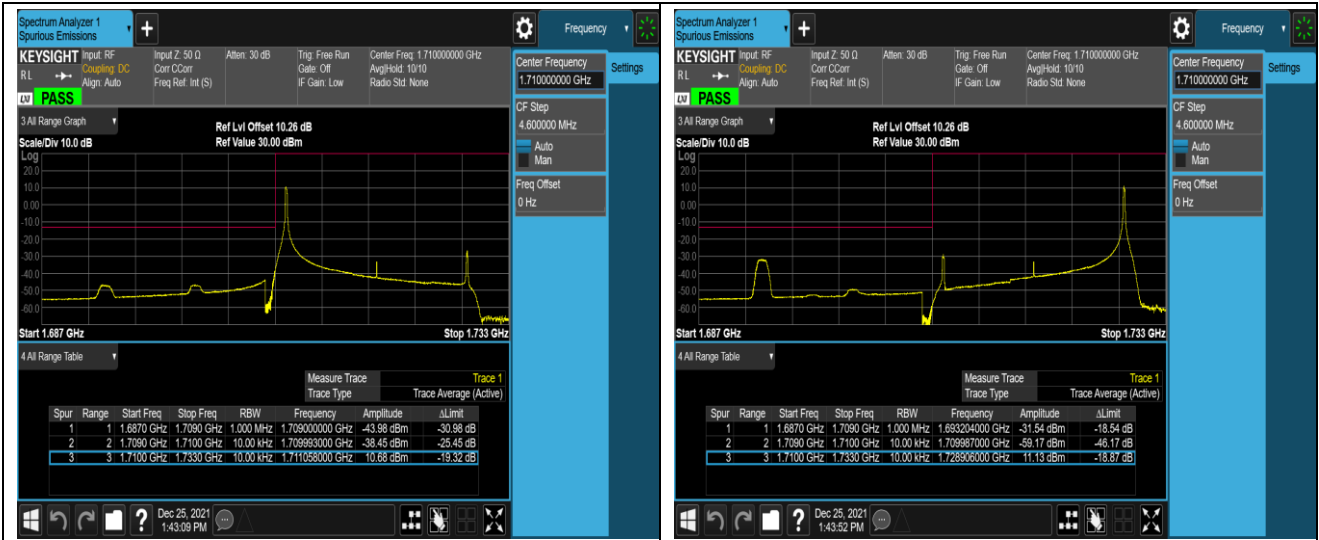
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Band4-20MHz-QPSK-20050-1RB#0

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Band4-20MHz-QPSK-20050-100RB#0

Band4-20MHz-QPSK-20300-1RB#0



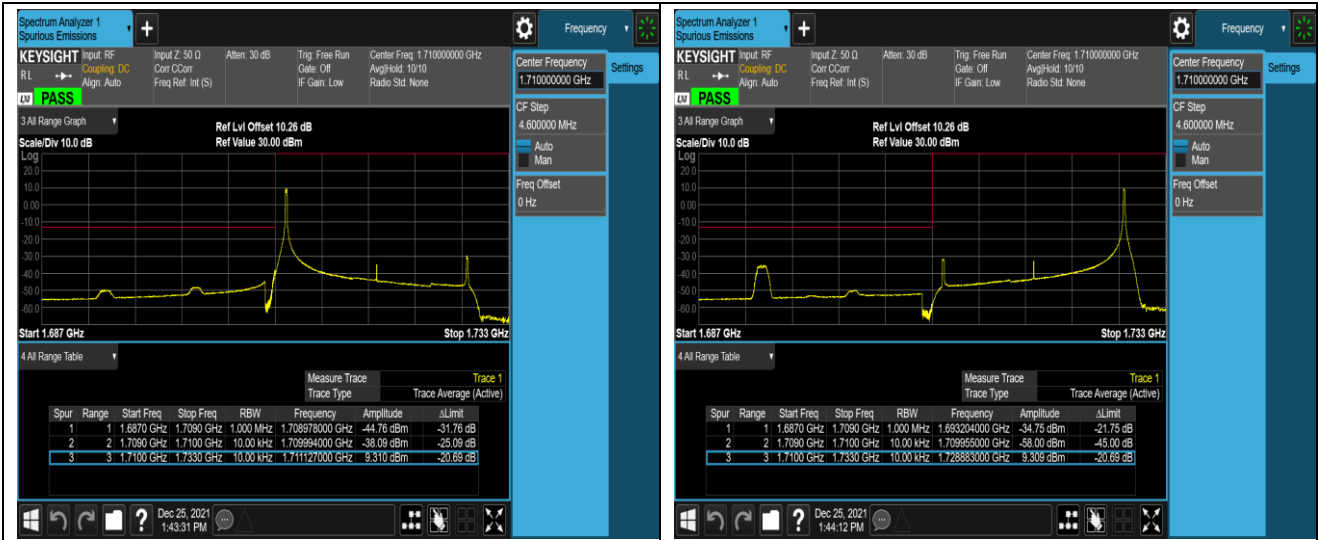
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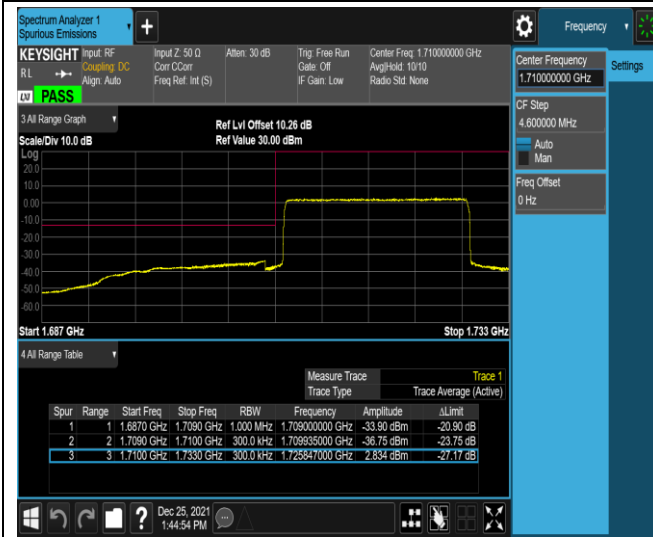
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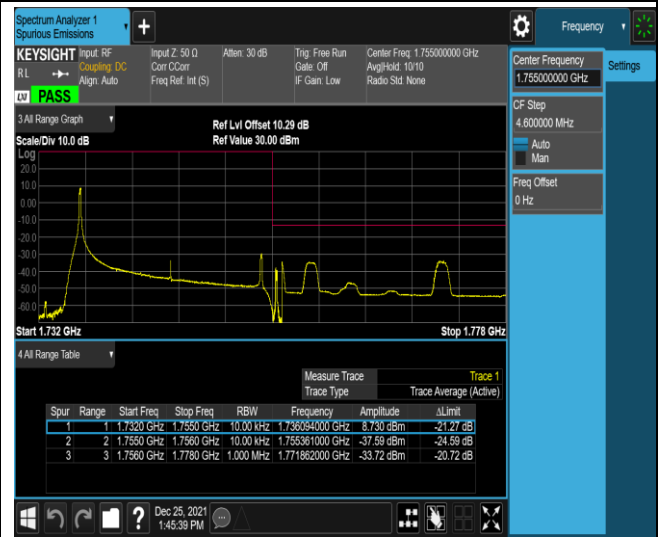


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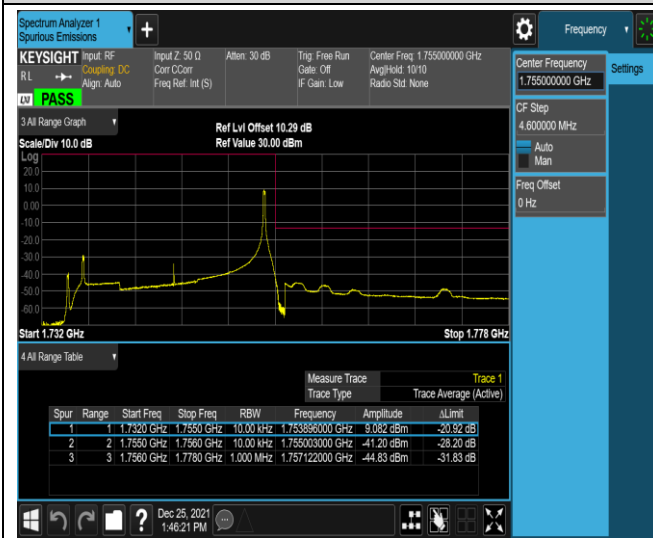
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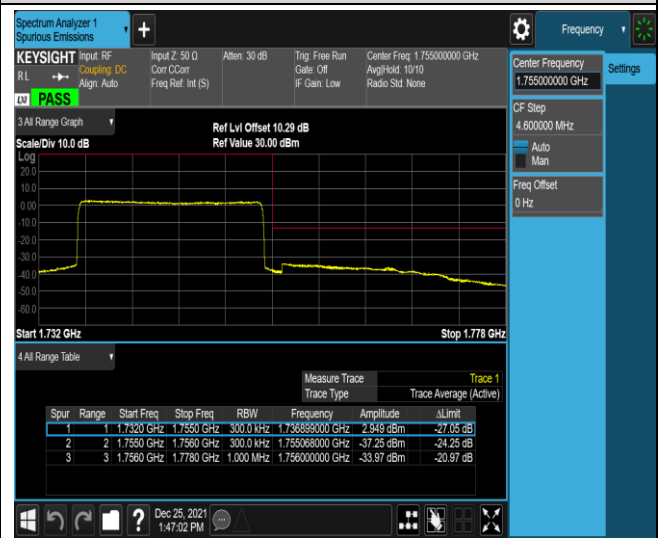
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Band4-20MHz-16QAM-20300-100RB#0



Band5-1.4MHz-QPSK-20407-1RB#0

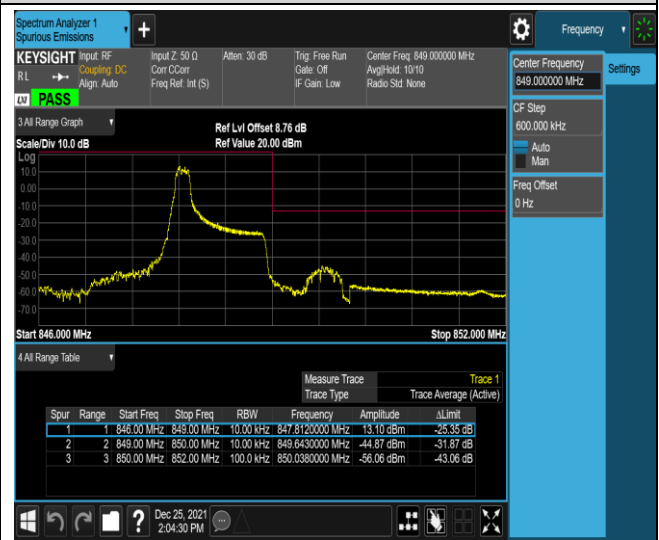
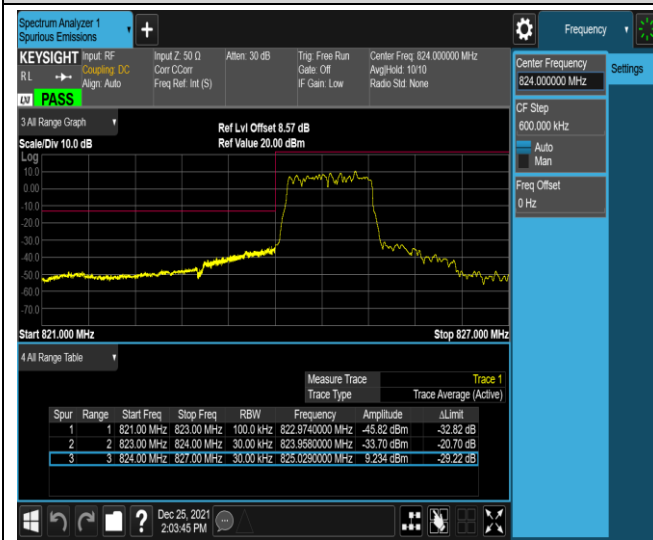


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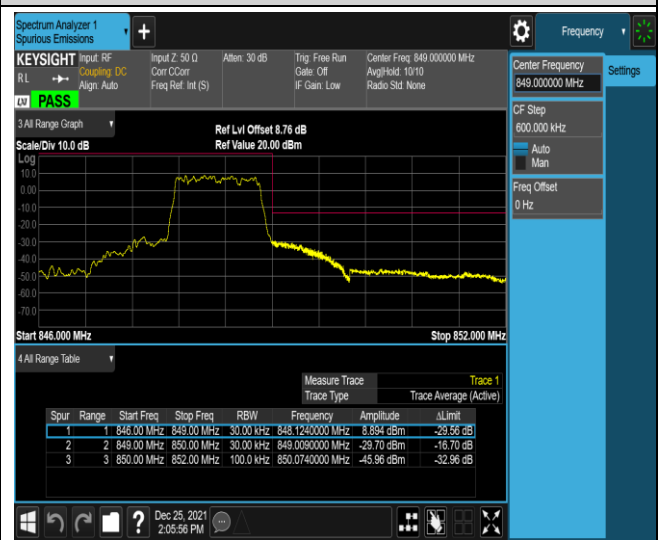
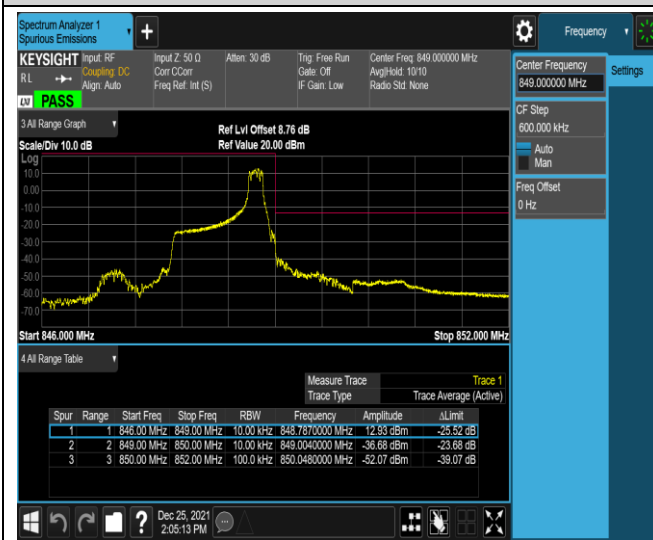
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Band5-1.4MHz-QPSK-20643-1RB#0



Band5-1.4MHz-QPSK-20643-1RB#5

Band5-1.4MHz-QPSK-20643-6RB#0



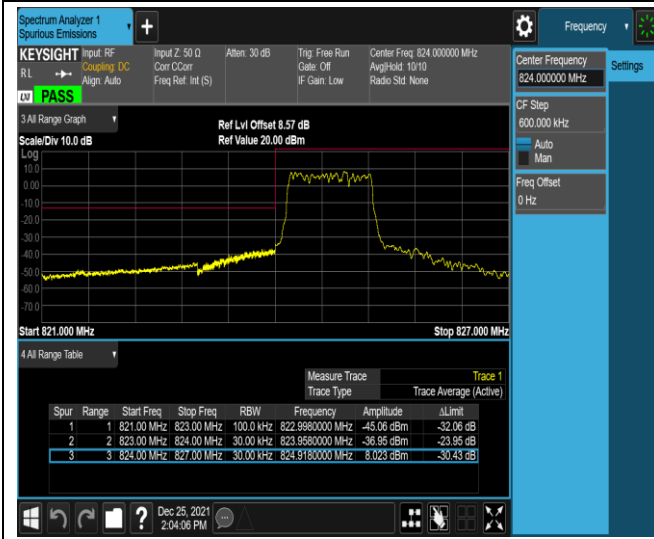
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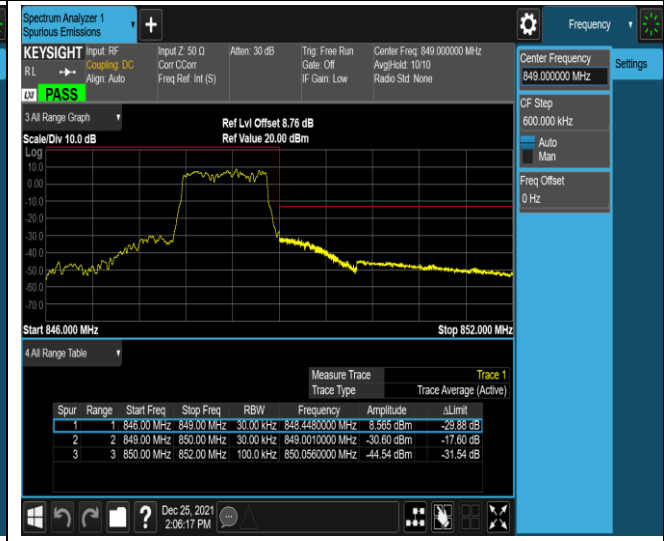
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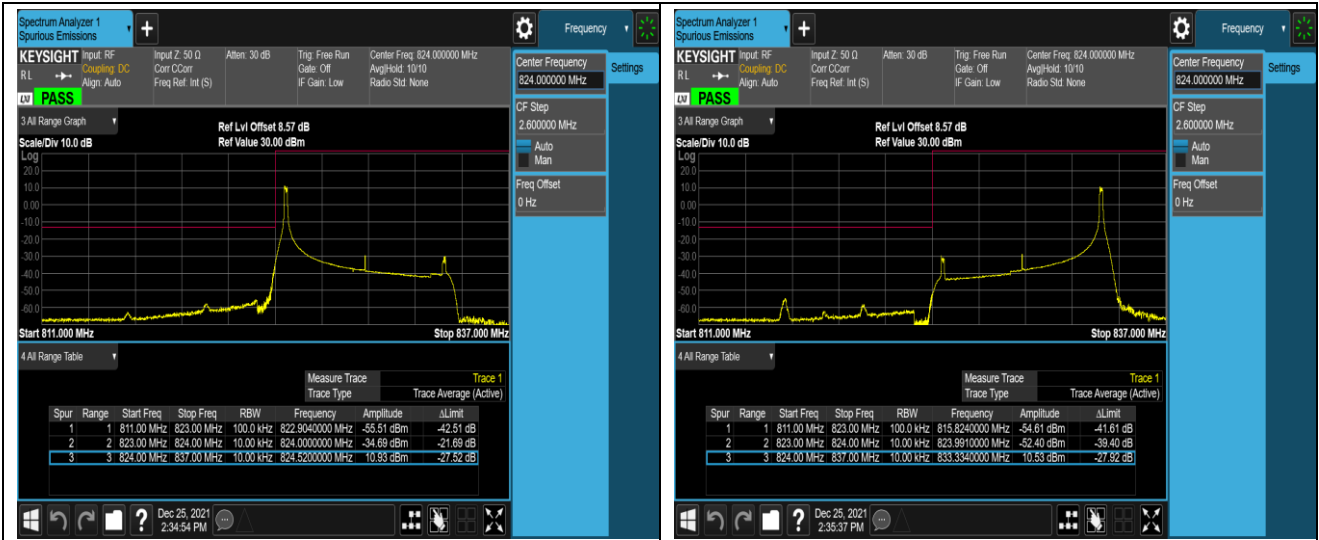
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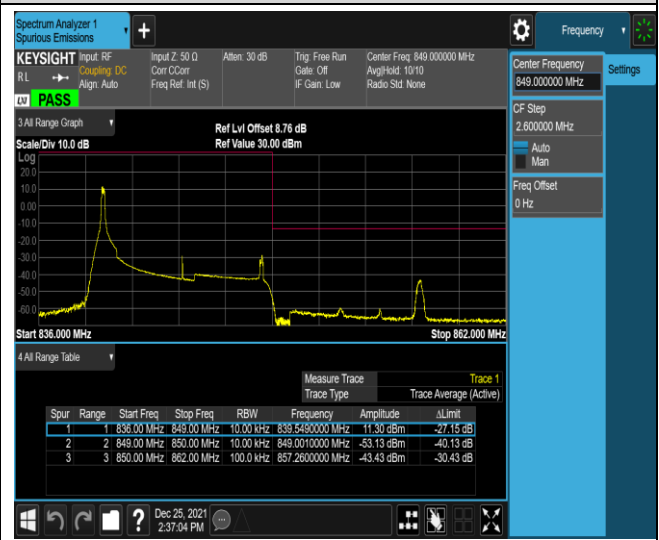
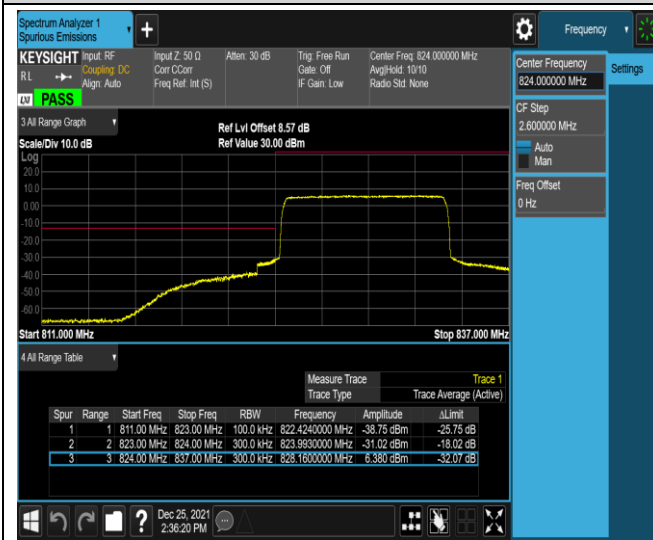
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Band5-10MHz-QPSK-20450-1RB#49



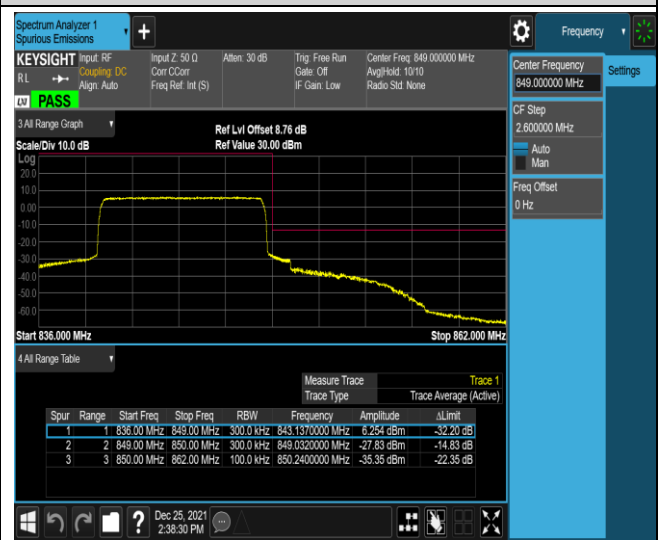
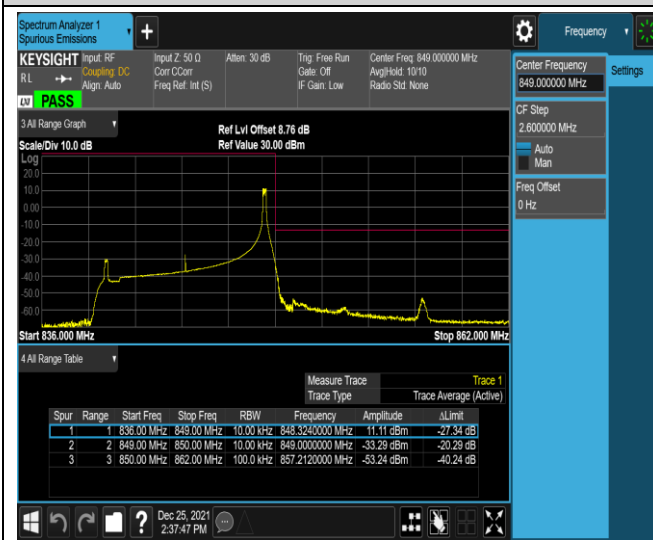
Band5-10MHz-QPSK-20450-50RB#0

Band5-10MHz-QPSK-20600-1RB#0



Band5-10MHz-QPSK-20600-1RB#49

Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-1RB#0

Band5-10MHz-16QAM-20450-1RB#49