

Appendix for LTE Band 17

Applicant: Launch Tech Co., Ltd.

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Shenzhen, China**

Product Name: Car Sense Vision

Model: YG5201

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Appendix A: Conducted Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.96	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.29	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.86	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.57	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.88	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.29	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.92	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.90	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.88	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.82	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.84	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.89	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.82	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.91	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.81	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.49	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.91	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.87	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.87	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.53	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.91	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.82	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.80	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.96	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.79	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.85	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.75	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.70	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.80	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.47	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.82	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.84	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.79	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.48	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.78	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.75	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.82	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.84	PASS

Band17	5MHz	QPSK	23825	12RB#13	22.97	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.85	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.82	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.03	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.95	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.59	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.93	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.81	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.99	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.60	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.77	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.86	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.72	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.91	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.76	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.97	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.76	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.91	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.71	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.93	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.95	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.60	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.60	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.89	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.87	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.93	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.79	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.92	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.76	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.89	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.79	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.91	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.65	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.40	PASS
Band17	10MHz	QPSK	23800	1RB#24	24.04	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.29	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.67	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.48	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.85	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.63	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.84	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.82	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.78	PASS

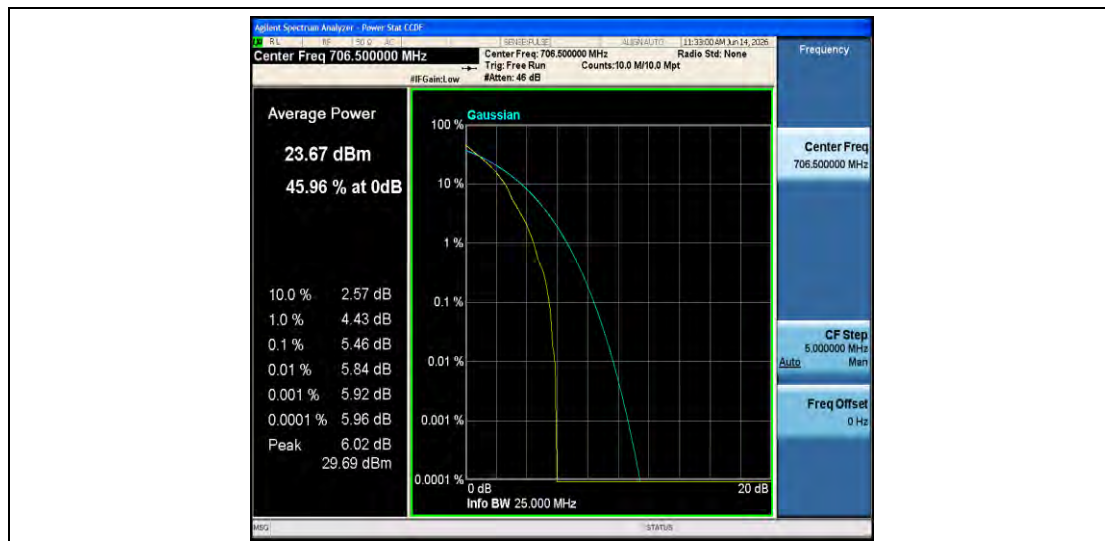
Band17	10MHz	16QAM	23800	25RB#25	21.87	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.90	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

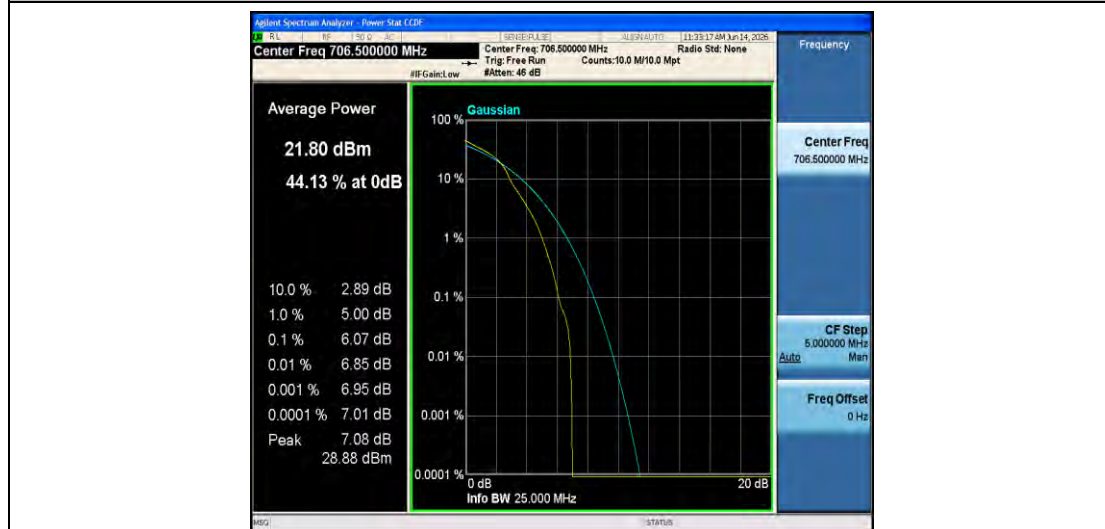
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	5.46	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	6.07	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.63	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.31	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	5.21	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	6.07	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.49	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.20	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.85	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.68	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.42	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.17	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	5.35	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	6.33	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.55	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.27	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	5.20	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	6.05	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.50	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.27	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	5.17	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	6.17	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.46	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.24	13	PASS

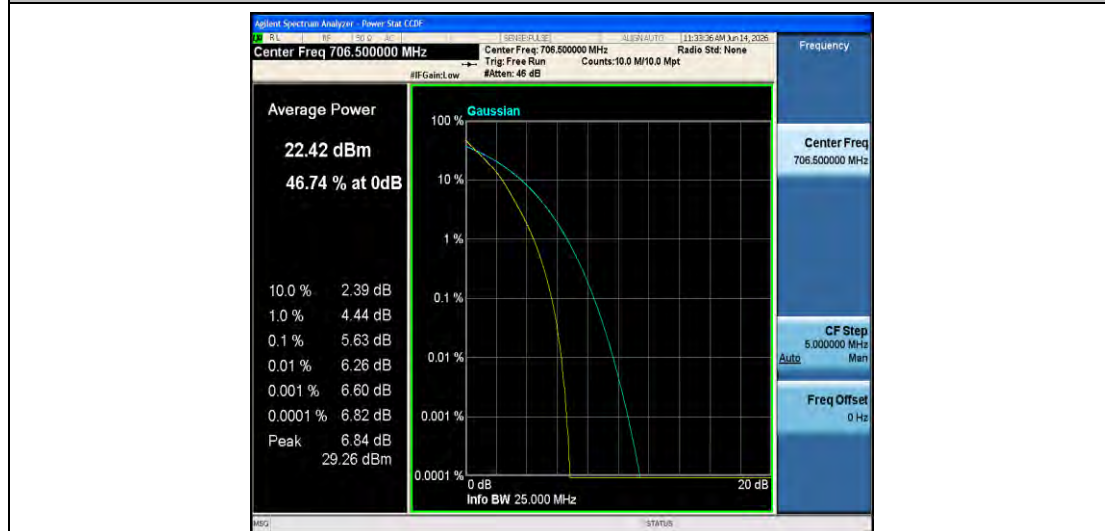
Test Graphs



Band17-5MHz-QPSK-23755-1RB#0-PASS



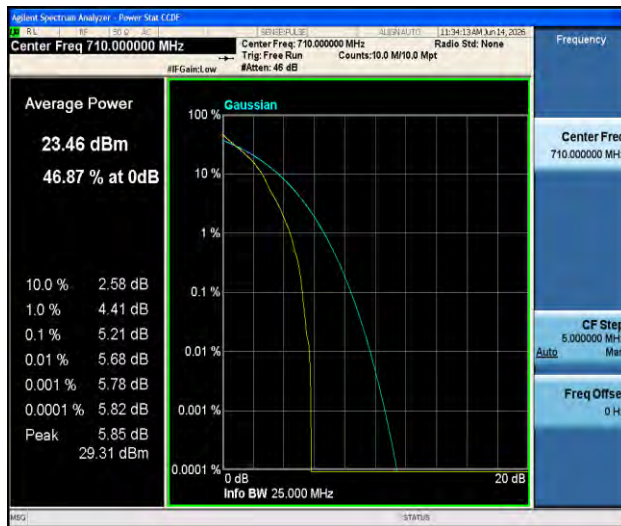
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Band17-5MHz-QPSK-23755-25RB#0-PASS



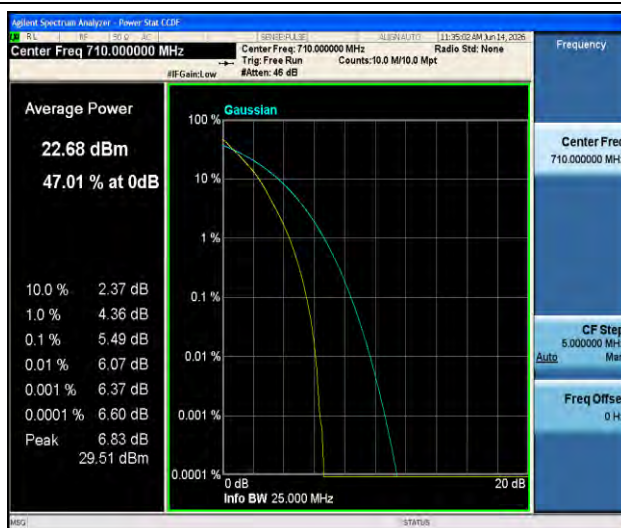
Band17-5MHz-16QAM-23755-25RB#0-PASS



Band17-5MHz-QPSK-23790-1RB#0-PASS



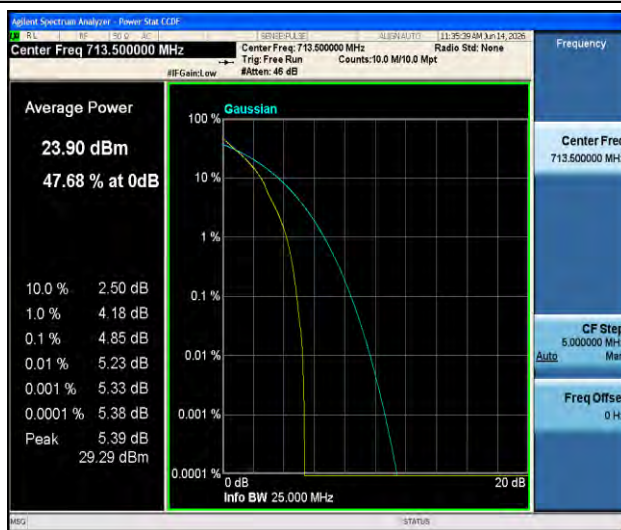
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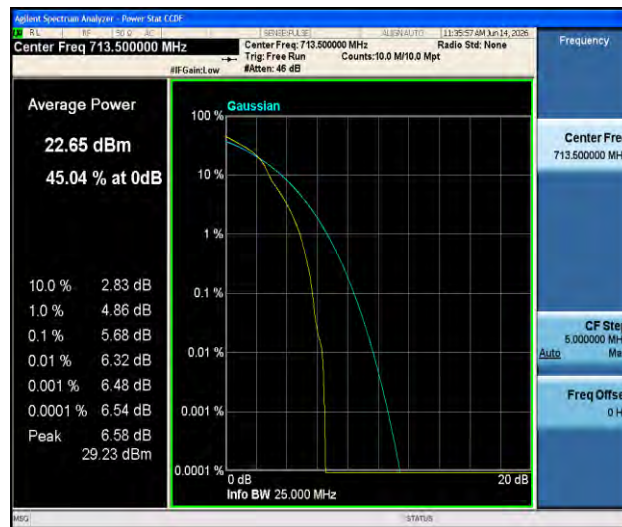
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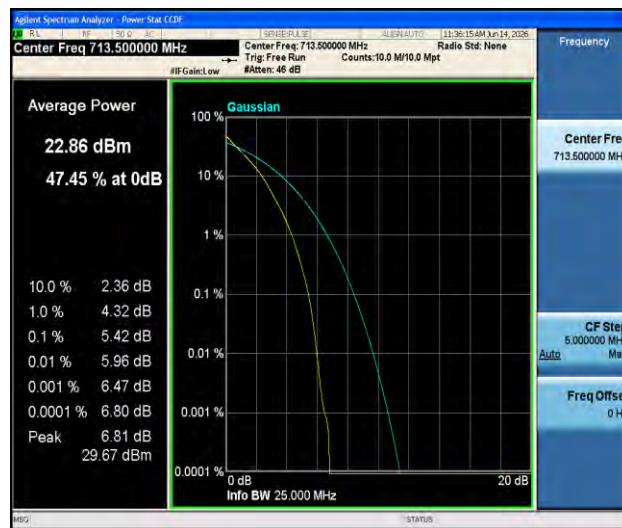
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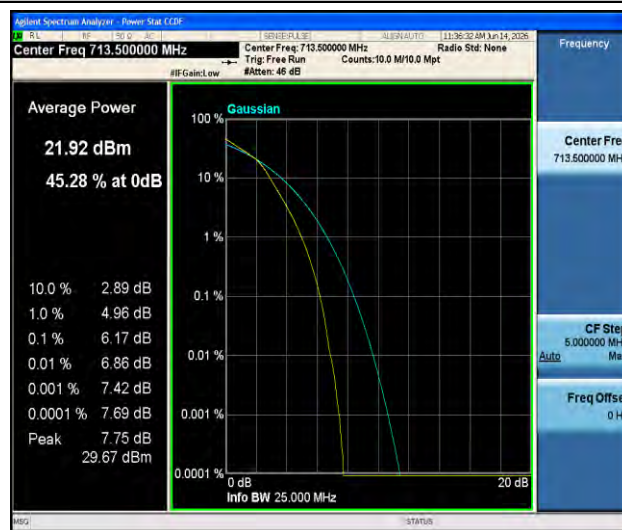
Band17-5MHz-QPSK-23825-1RB#0-PASS



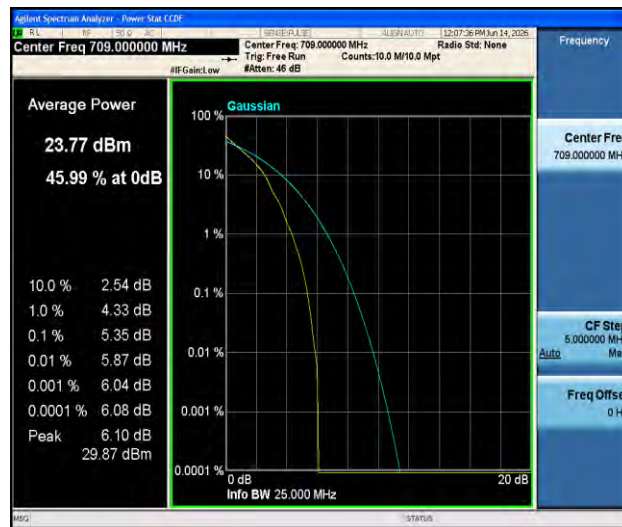
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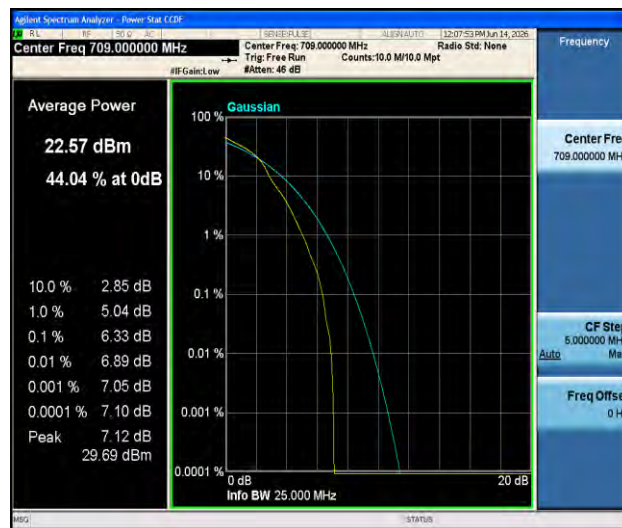
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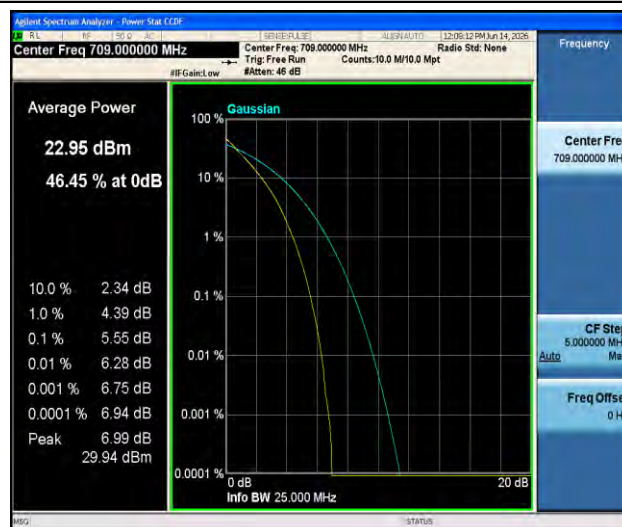
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Band17-10MHz-QPSK-23780-1RB#0-PASS



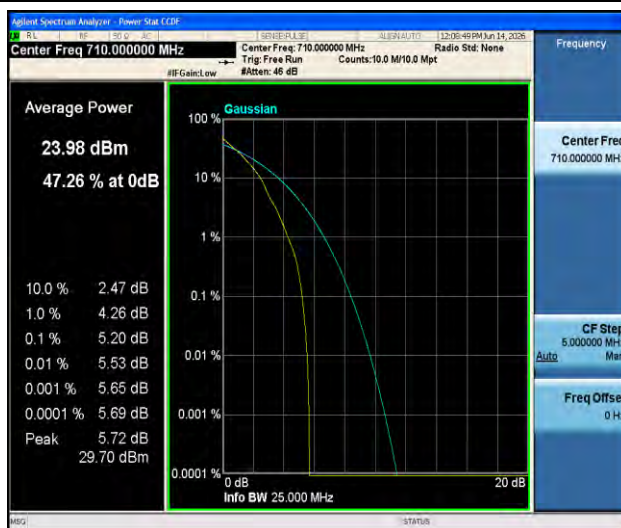
Band17-10MHz-16QAM-23780-1RB#0-PASS



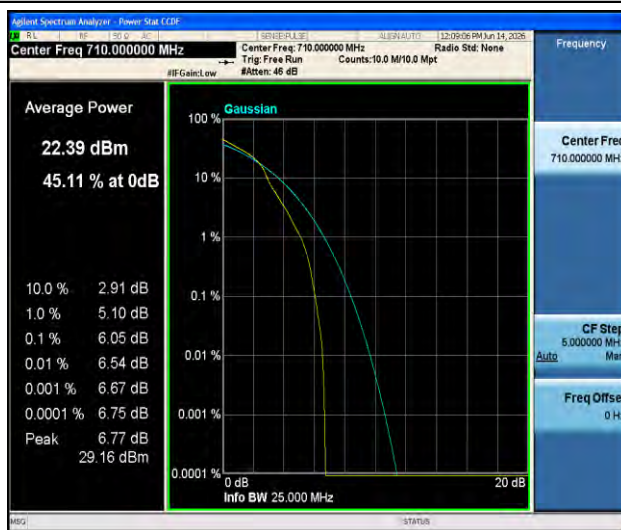
Band17-10MHz-QPSK-23780-50RB#0-PASS



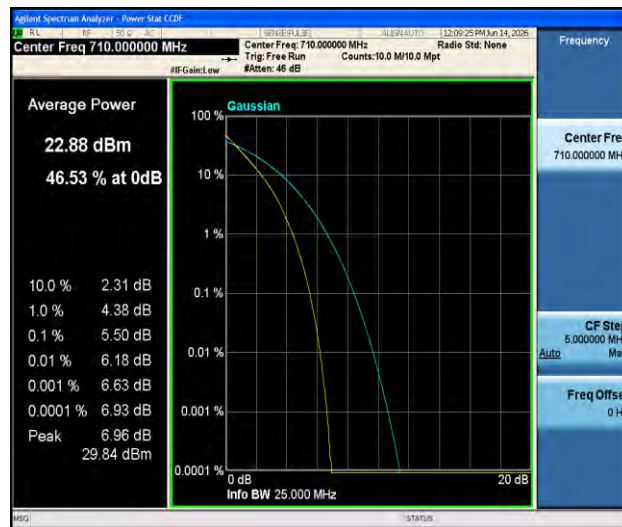
Band17-10MHz-16QAM-23780-50RB#0-PASS



Band17-10MHz-QPSK-23790-1RB#0-PASS



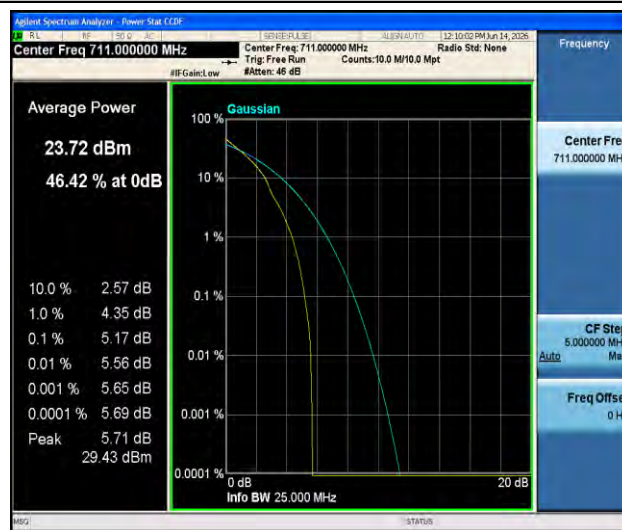
Band17-10MHz-16QAM-23790-1RB#0-PASS



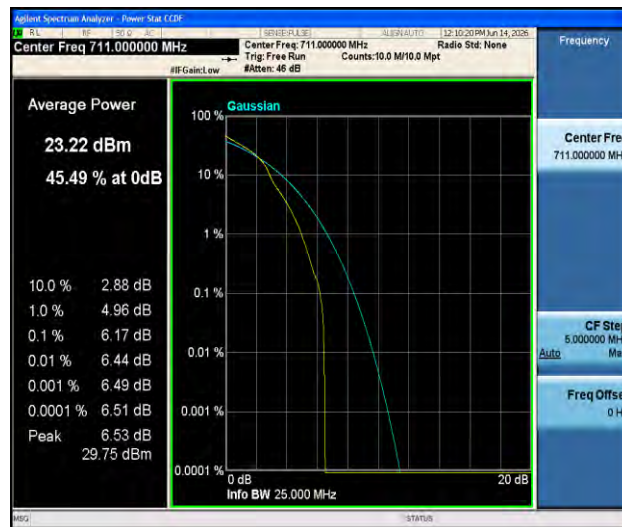
Band17-10MHz-QPSK-23790-50RB#0-PASS



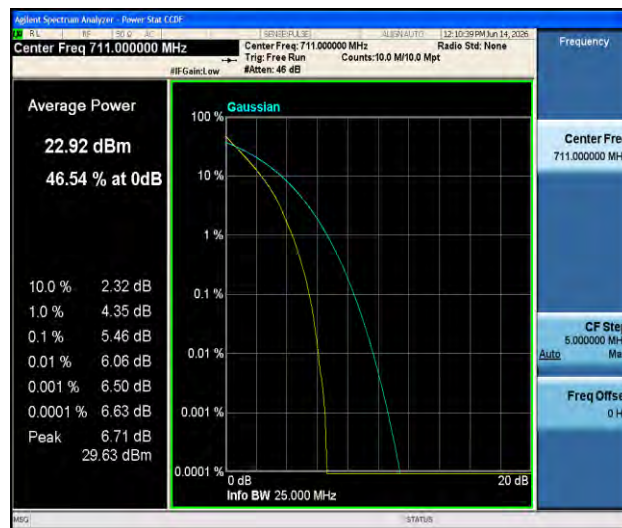
Band17-10MHz-16QAM-23790-50RB#0-PASS



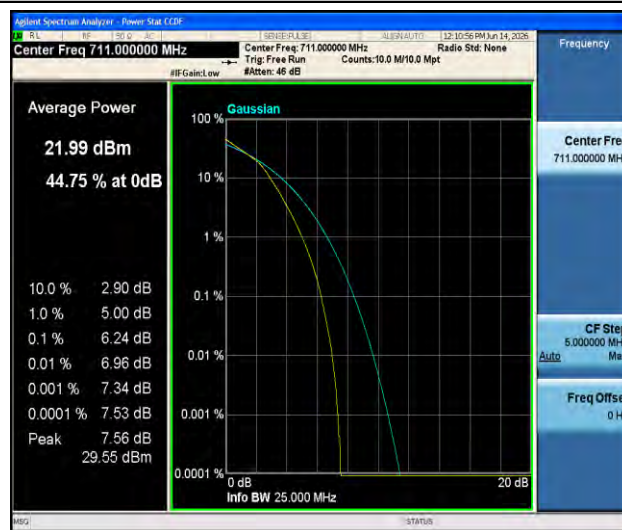
Band17-10MHz-QPSK-23800-1RB#0-PASS



Band17-10MHz-16QAM-23800-1RB#0-PASS



Band17-10MHz-QPSK-23800-50RB#0-PASS



Band17-10MHz-16QAM-23800-50RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5088	4.978	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5062	4.957	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4953	4.971	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5096	4.970	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5100	4.985	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5304	4.998	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.0116	9.925	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9952	9.941	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9560	9.866	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9914	9.938	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9868	9.878	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9765	9.899	PASS

Test Graphs



Band17-5MHz-QPSK-23755-25RB#0-PASS



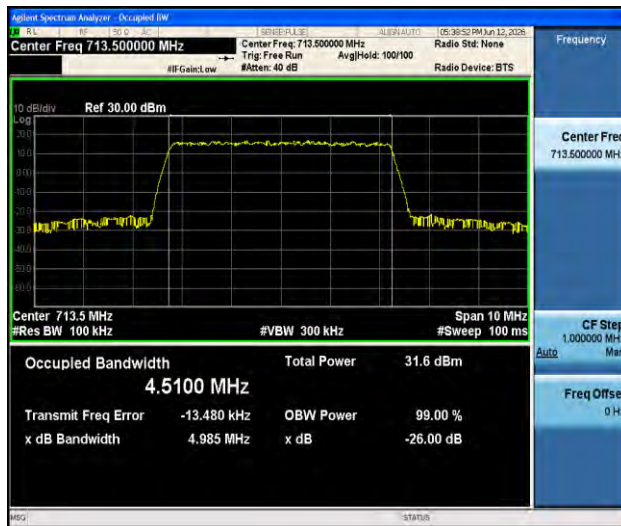
Band17-5MHz-16QAM-23755-25RB#0-PASS



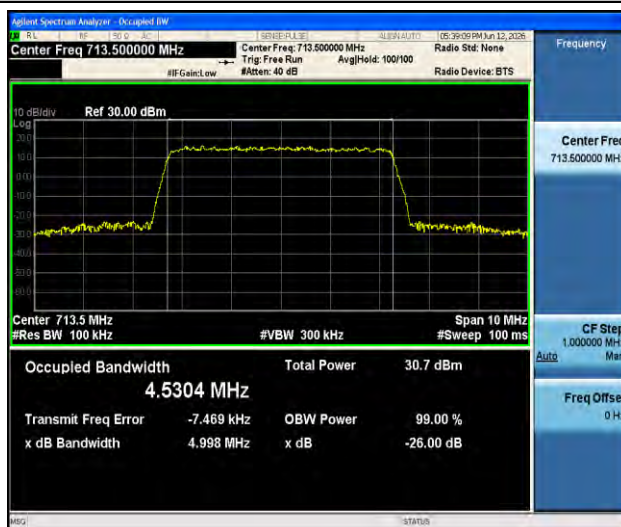
Band17-5MHz-QPSK-23790-25RB#0-PASS



Band17-5MHz-16QAM-23790-25RB#0-PASS



Band17-5MHz-QPSK-23825-25RB#0-PASS



Band17-5MHz-16QAM-23825-25RB#0-PASS



Band17-10MHz-QPSK-23780-50RB#0-PASS



Band17-10MHz-16QAM-23780-50RB#0-PASS



Band17-10MHz-QPSK-23790-50RB#0-PASS



Band17-10MHz-16QAM-23790-50RB#0-PASS



Band17-10MHz-QPSK-23800-50RB#0-PASS



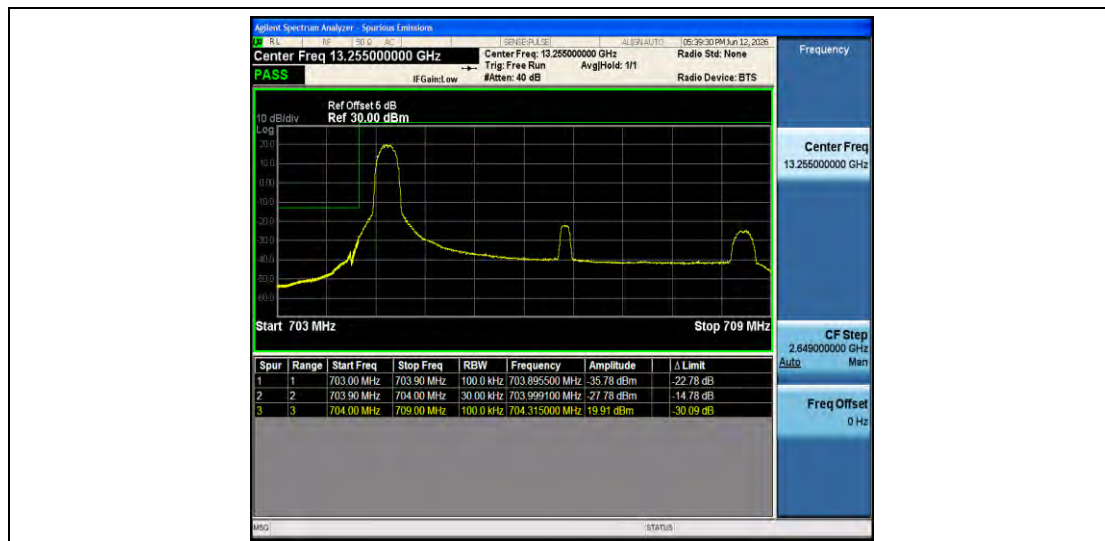
Band17-10MHz-16QAM-23800-50RB#0-PASS

Appendix D: Band Edge

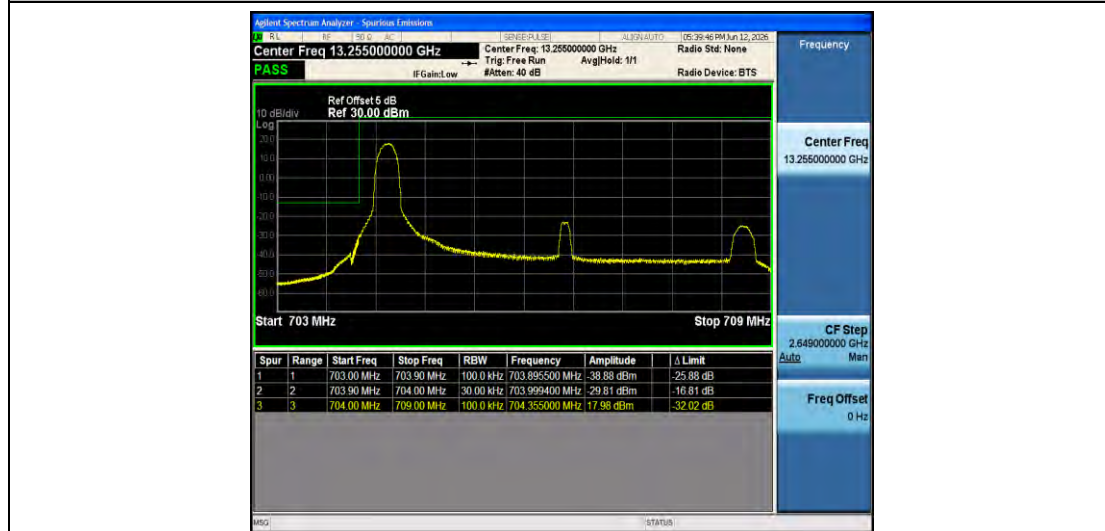
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	-27.78	PASS
Band17	5MHz	16QAM	23755	1RB#0	-29.81	PASS
Band17	5MHz	QPSK	23755	1RB#24	-44.35	PASS
Band17	5MHz	16QAM	23755	1RB#24	-47.20	PASS
Band17	5MHz	QPSK	23755	25RB#0	-37.60	PASS
Band17	5MHz	16QAM	23755	25RB#0	-38.09	PASS
Band17	5MHz	QPSK	23825	1RB#0	-44.70	PASS
Band17	5MHz	16QAM	23825	1RB#0	-47.93	PASS
Band17	5MHz	QPSK	23825	1RB#24	-27.48	PASS
Band17	5MHz	16QAM	23825	1RB#24	-29.19	PASS
Band17	5MHz	QPSK	23825	25RB#0	-37.93	PASS
Band17	5MHz	16QAM	23825	25RB#0	-39.06	PASS
Band17	10MHz	QPSK	23780	1RB#0	-33.96	PASS
Band17	10MHz	16QAM	23780	1RB#0	-34.57	PASS
Band17	10MHz	QPSK	23780	1RB#49	-51.11	PASS
Band17	10MHz	16QAM	23780	1RB#49	-52.56	PASS
Band17	10MHz	QPSK	23780	50RB#0	-41.10	PASS
Band17	10MHz	16QAM	23780	50RB#0	-40.80	PASS
Band17	10MHz	QPSK	23800	1RB#0	-50.66	PASS
Band17	10MHz	16QAM	23800	1RB#0	-51.51	PASS
Band17	10MHz	QPSK	23800	1RB#49	-34.15	PASS
Band17	10MHz	16QAM	23800	1RB#49	-35.03	PASS
Band17	10MHz	QPSK	23800	50RB#0	-42.30	PASS
Band17	10MHz	16QAM	23800	50RB#0	-42.15	PASS

Test Graphs



Band17-5MHz-QPSK-23755-1RB#0-PASS



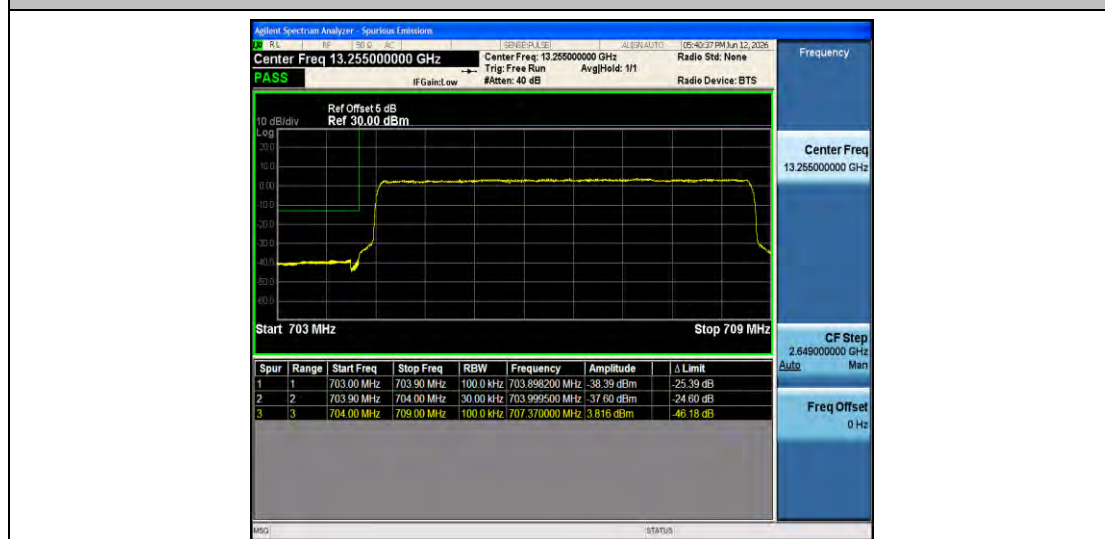
Band17-5MHz-16QAM-23755-1RB#0-PASS



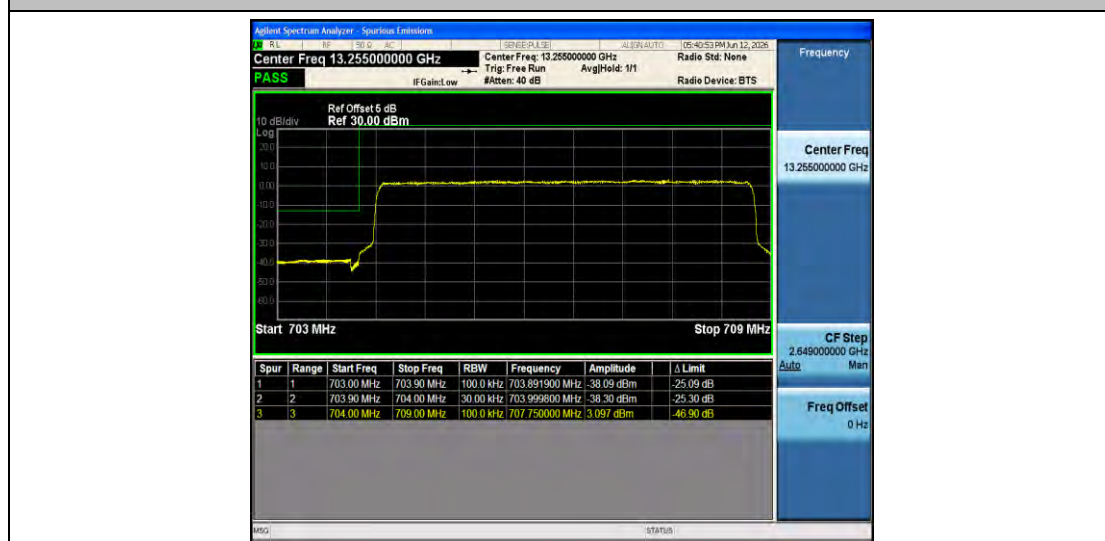
Band17-5MHz-QPSK-23755-1RB#24-PASS



Band17-5MHz-16QAM-23755-1RB#24-PASS



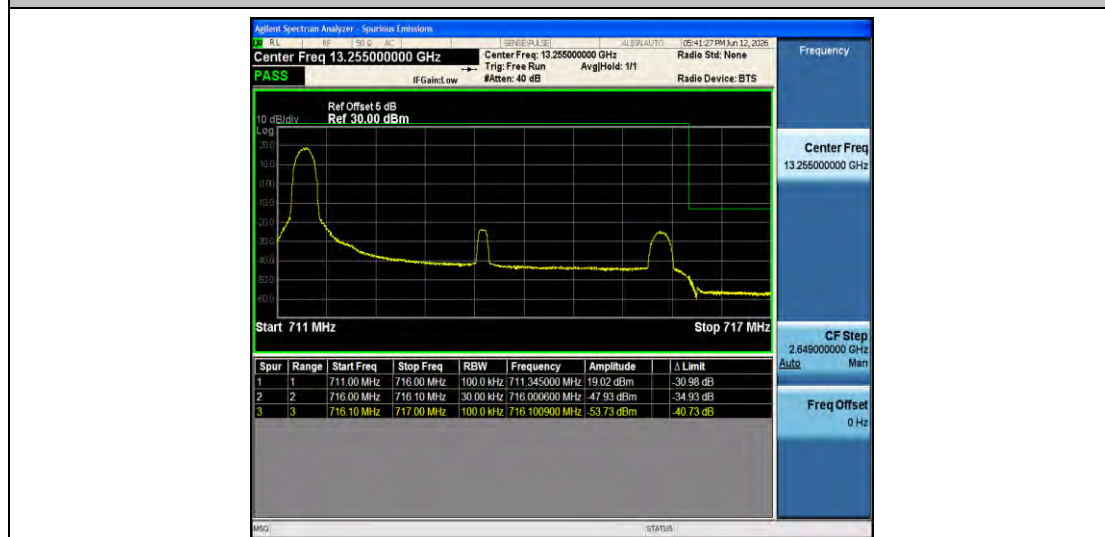
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Band17-5MHz-16QAM-23755-25RB#0-PASS



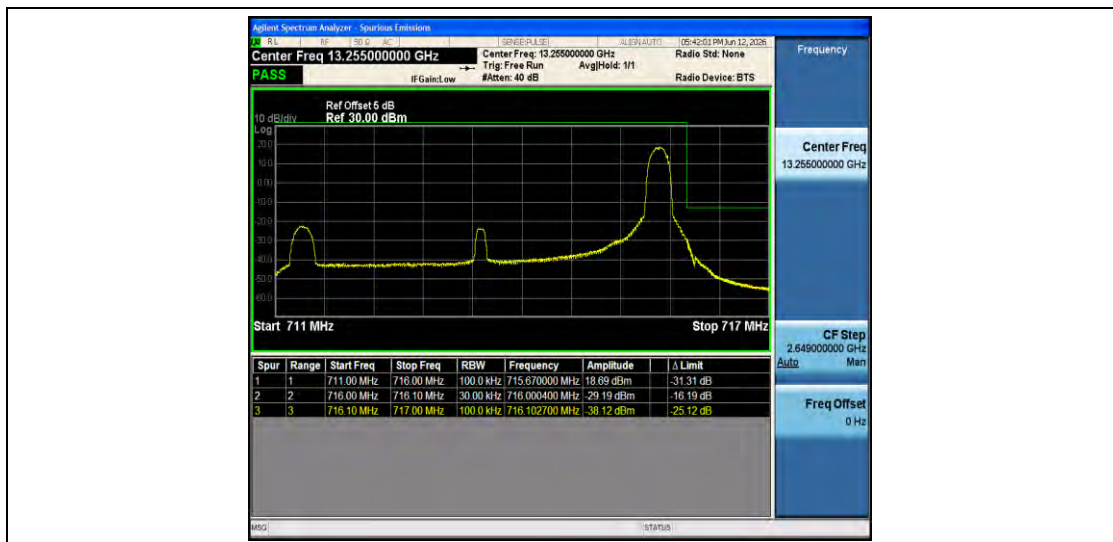
Band17-5MHz-QPSK-23825-1RB#0-PASS



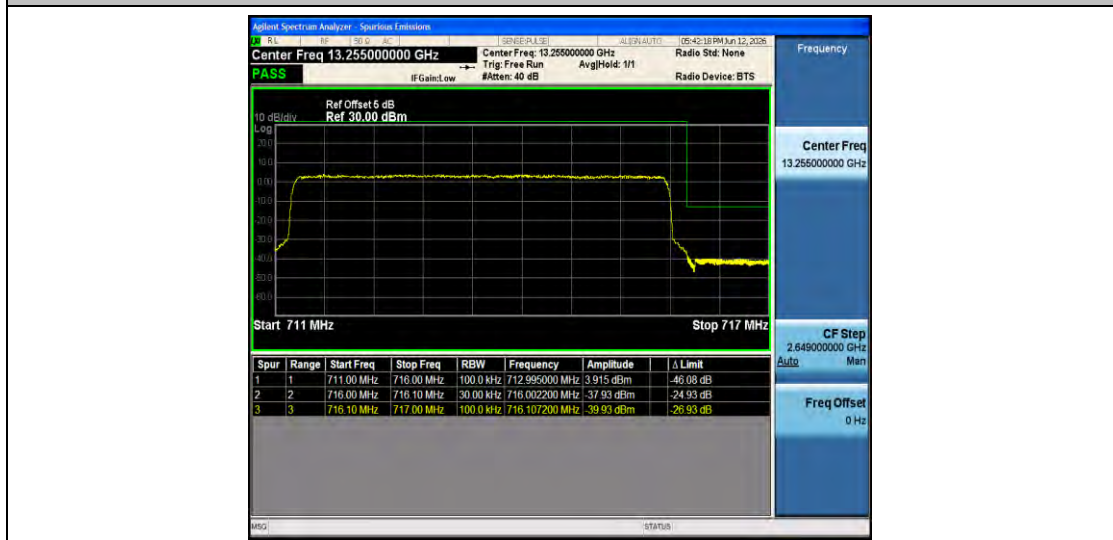
Band17-5MHz-16QAM-23825-1RB#0-PASS



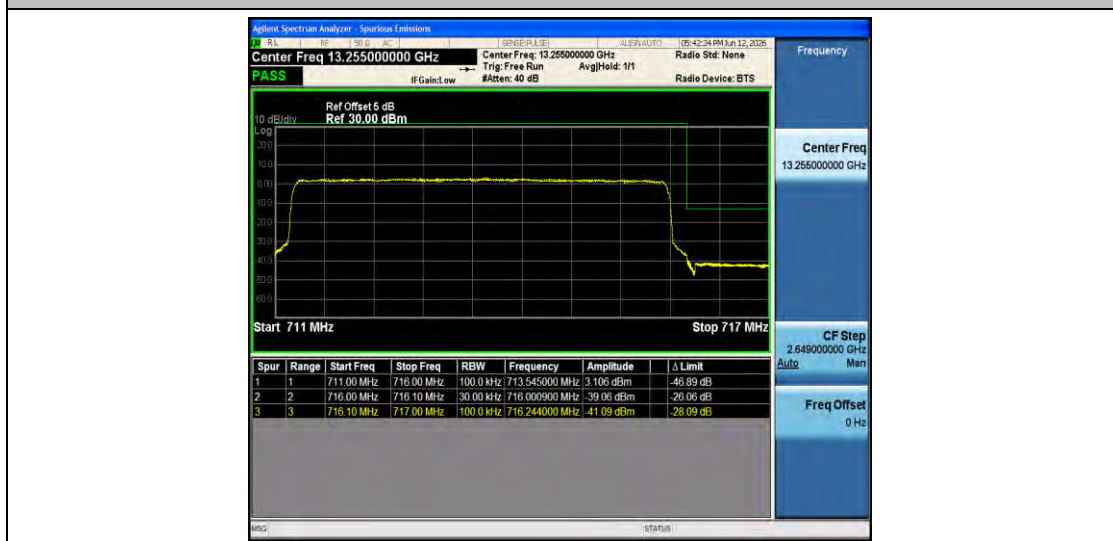
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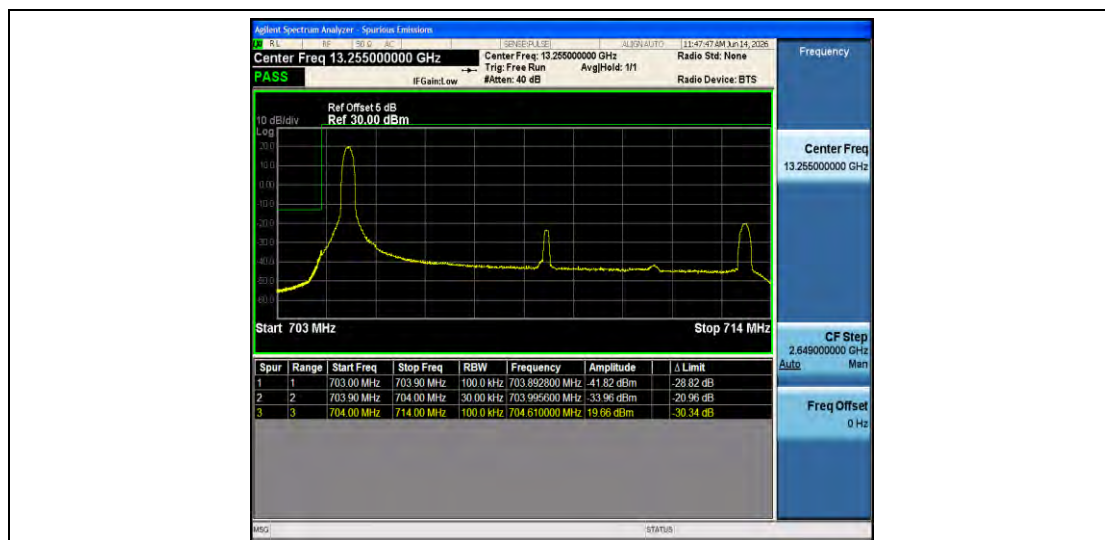
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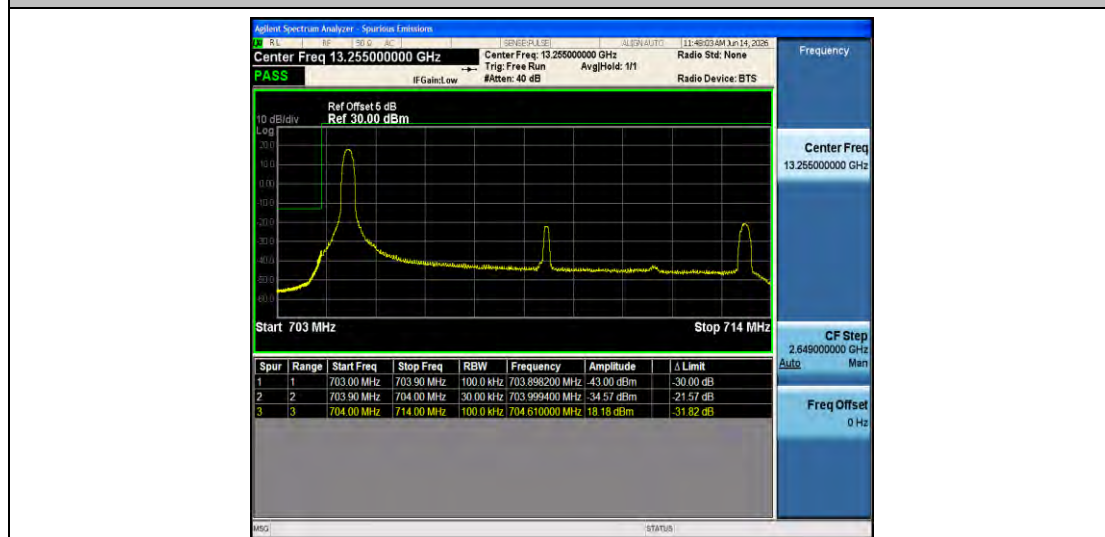
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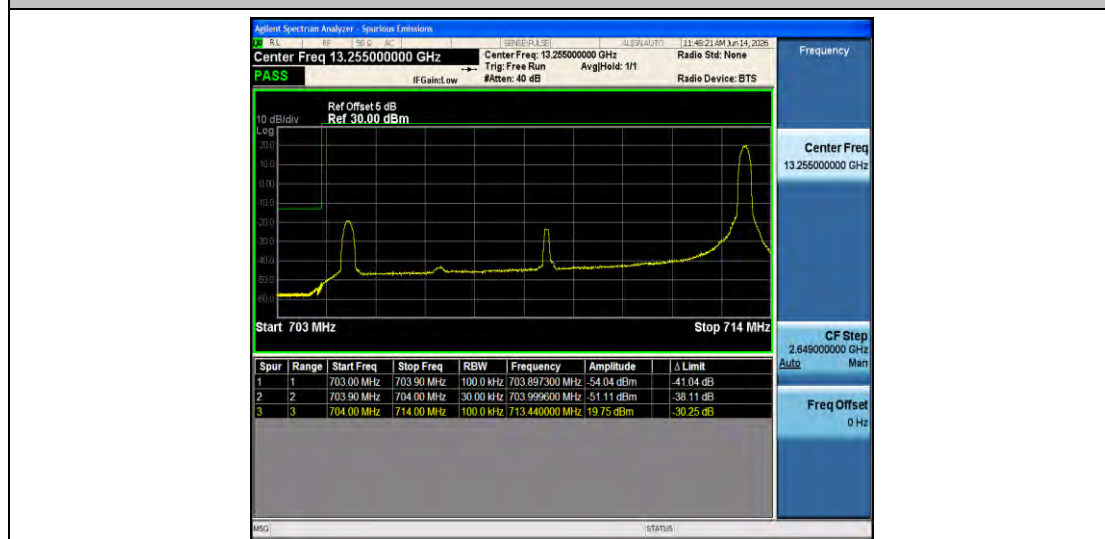
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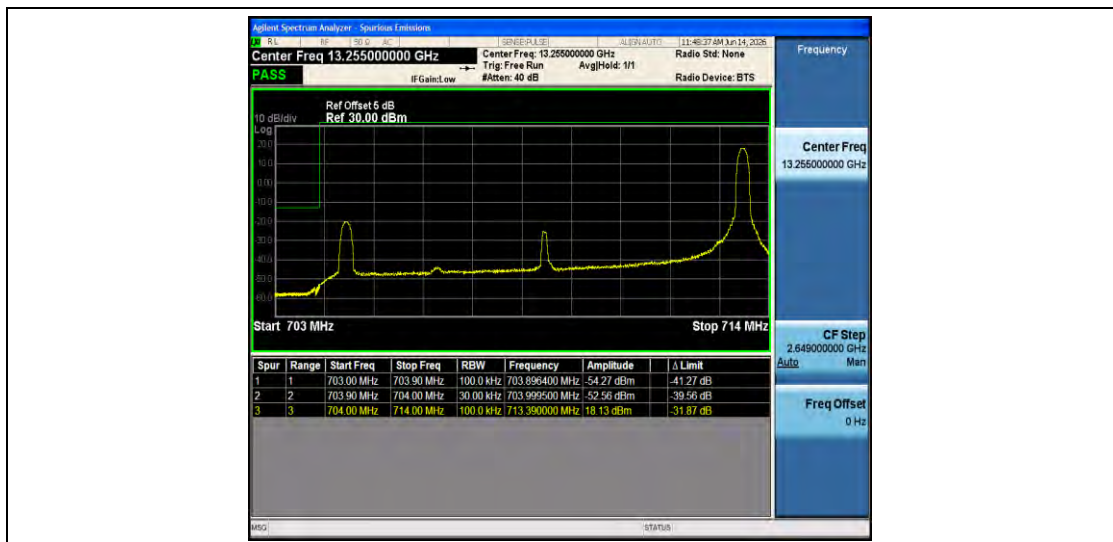
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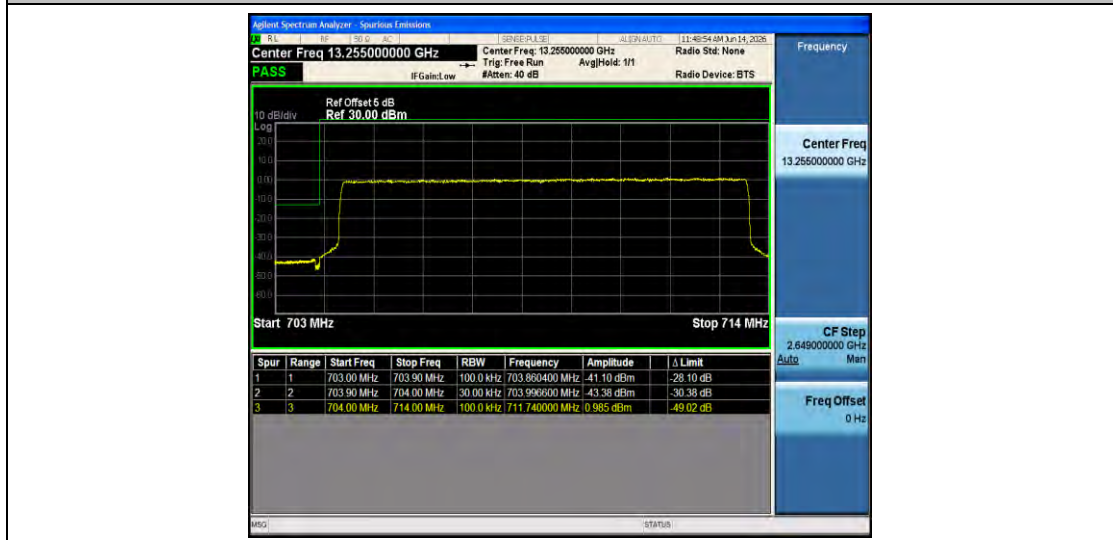
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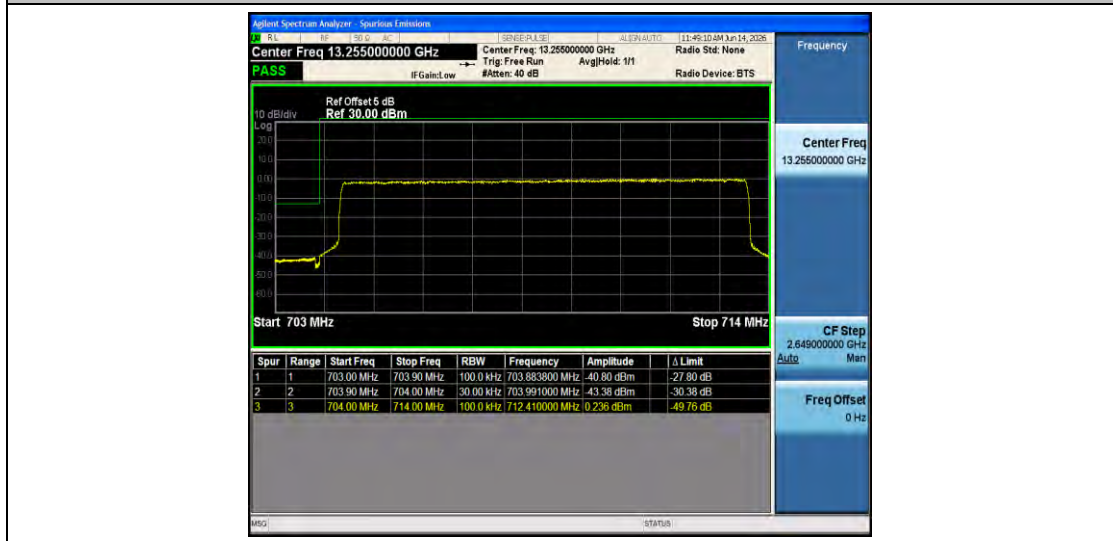
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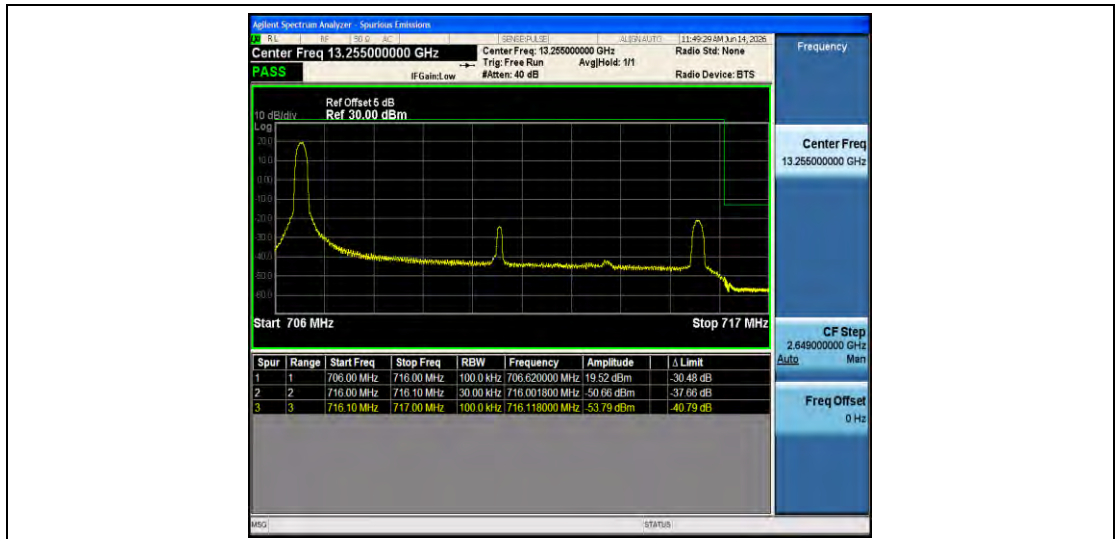
Band17-10MHz-16QAM-23780-1RB#49-PASS



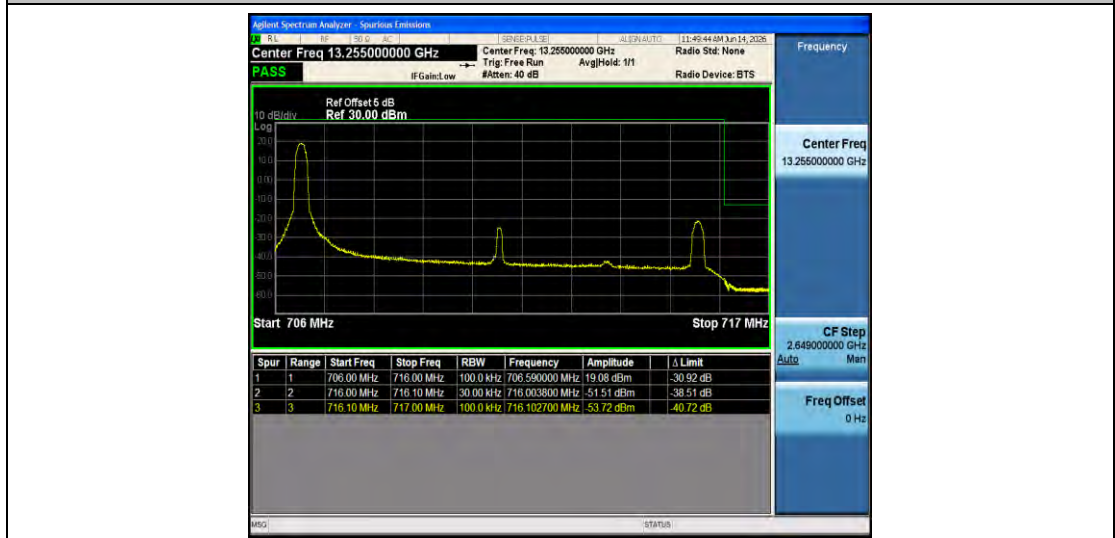
Band17-10MHz-QPSK-23780-50RB#0-PASS



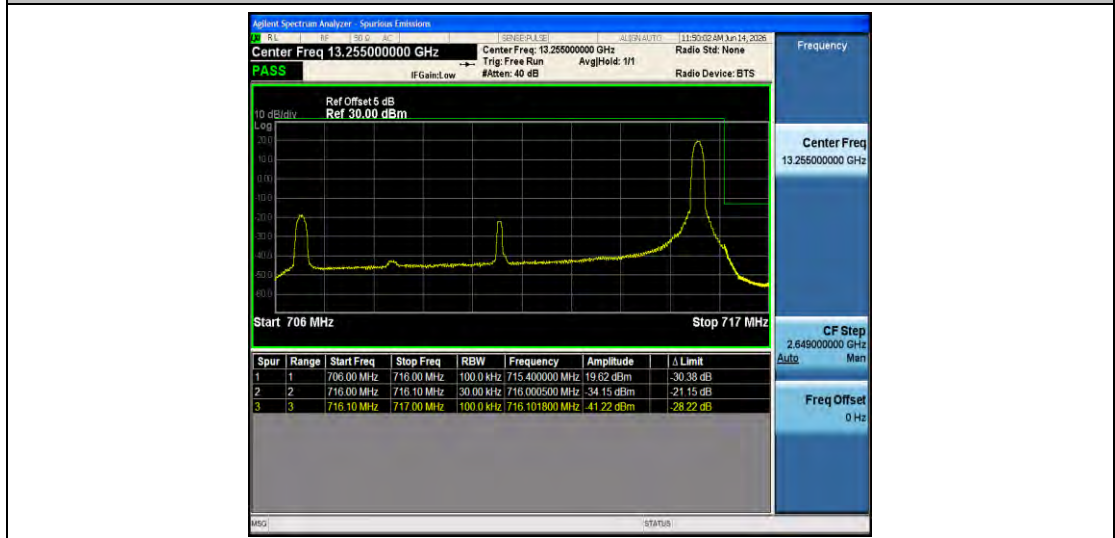
Band17-10MHz-16QAM-23780-50RB#0-PASS



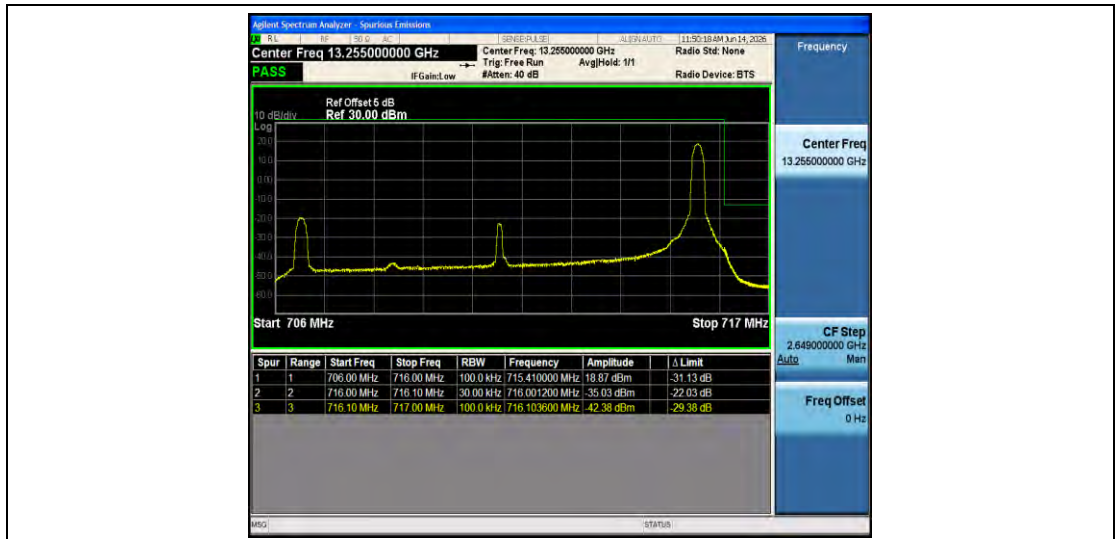
Band17-10MHz-QPSK-23800-1RB#0-PASS



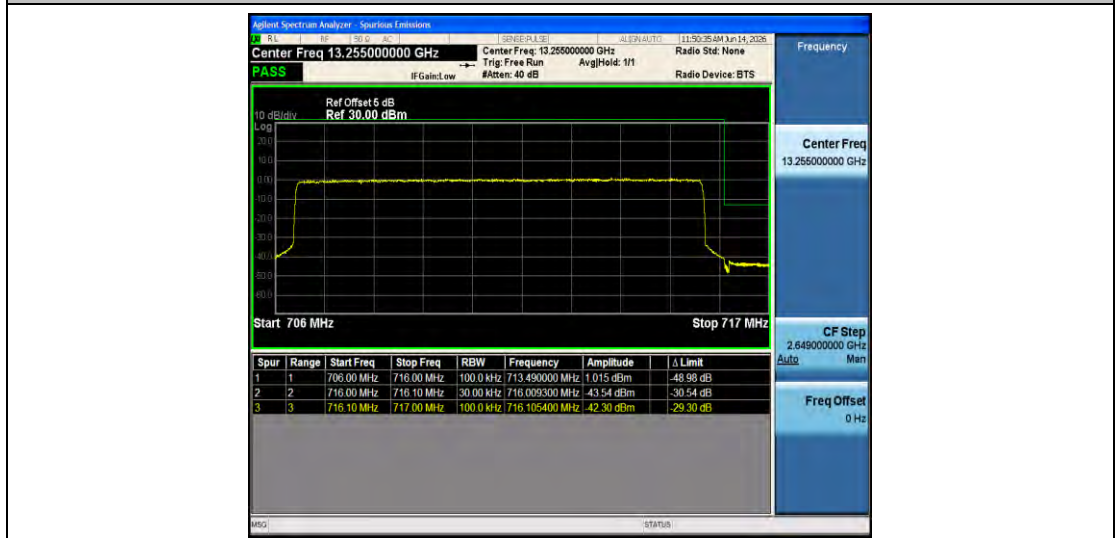
Band17-10MHz-16QAM-23800-1RB#0-PASS



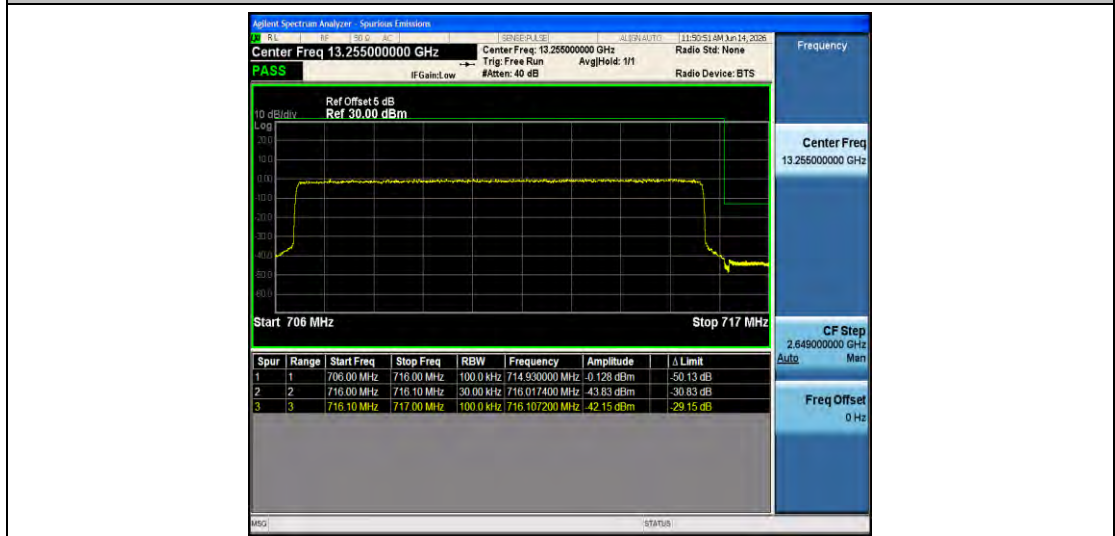
Band17-10MHz-QPSK-23800-1RB#49-PASS



Band17-10MHz-16QAM-23800-1RB#49-PASS



Band17-10MHz-QPSK-23800-50RB#0-PASS



Band17-10MHz-16QAM-23800-50RB#0-PASS

Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	-39.08	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-53.11	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-37.37	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-40.05	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-47.98	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-36.81	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-52.95	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-40.22	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-40.38	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-47.82	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-38.28	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-53.21	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-38.01	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-41.05	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-48.28	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-36.66	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-54.95	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-40.12	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-43.36	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-48.10	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-35.63	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-54.94	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-32.97	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-37.27	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-48.23	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-36.34	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-53.52	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-34.35	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-37.85	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-48.12	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-38.08	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-54.20	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-36.83	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-38.71	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-48.27	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-38.16	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-52.86	PASS

Band17	10MHz	16QAM	23780	1RB#0	30~1000	-38.33	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-40.35	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-47.80	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-38.68	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-55.29	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-43.47	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-40.88	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-48.19	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-35.26	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-53.75	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-43.90	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-43.67	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-47.91	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-38.46	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-55.15	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-43.93	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-44.11	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-47.73	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-38.08	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-53.33	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-44.92	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-43.12	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-48.32	PASS

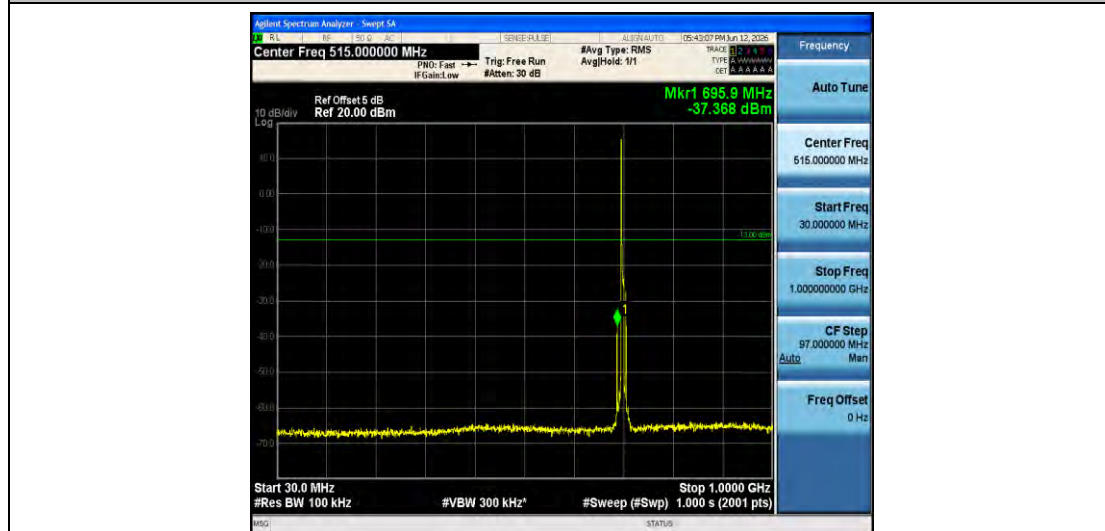
Test Graphs



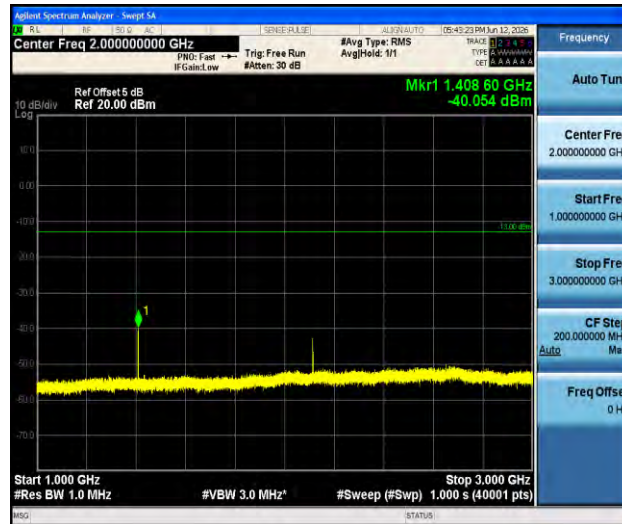
Band17-5MHz-QPSK-23755-1RB#0-0.009~0.15-PASS



Band17-5MHz-QPSK-23755-1RB#0-0.15~30-PASS



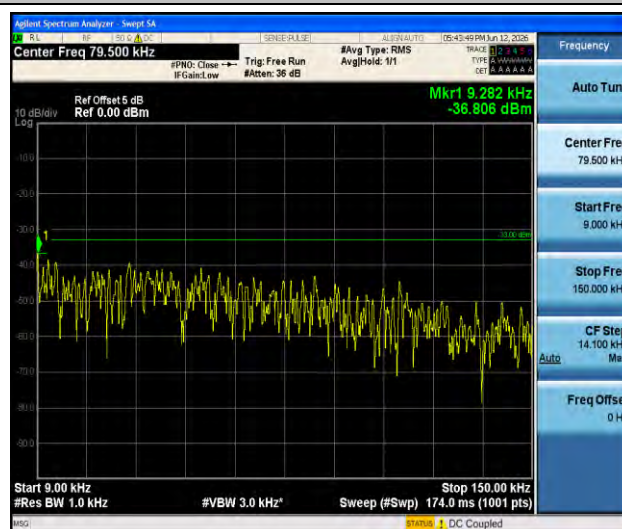
Band17-5MHz-QPSK-23755-1RB#0-30~1000-PASS



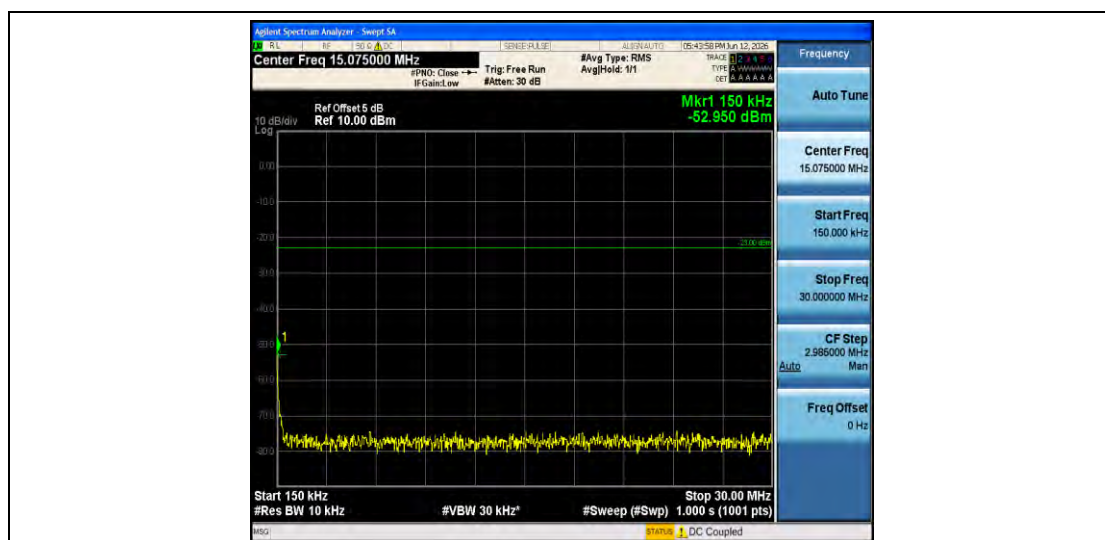
Band17-5MHz-QPSK-23755-1RB#0-1000~3000-PASS



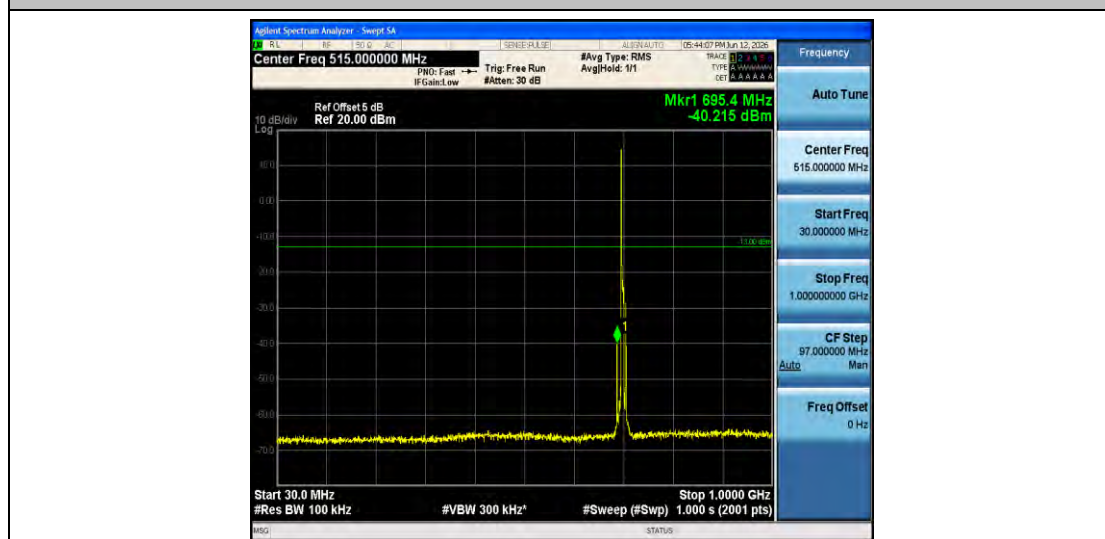
Band17-5MHz-QPSK-23755-1RB#0-3000~10000-PASS



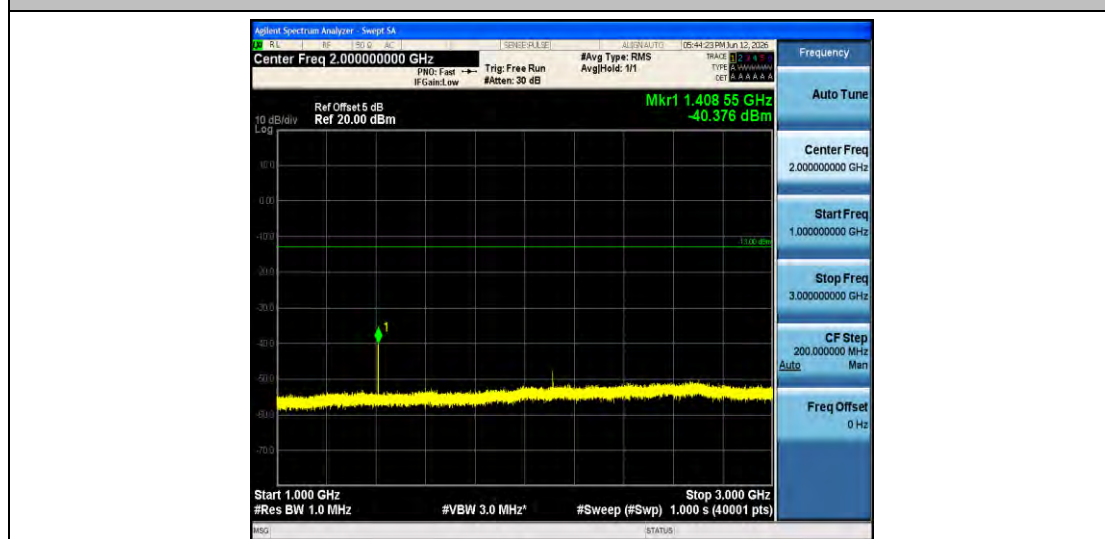
Band17-5MHz-16QAM-23755-1RB#0-0.009~0.15-PASS



Band17-5MHz-16QAM-23755-1RB#0-0.15~30-PASS



Band17-5MHz-16QAM-23755-1RB#0-30~1000-PASS



Band17-5MHz-16QAM-23755-1RB#0-1000~3000-PASS



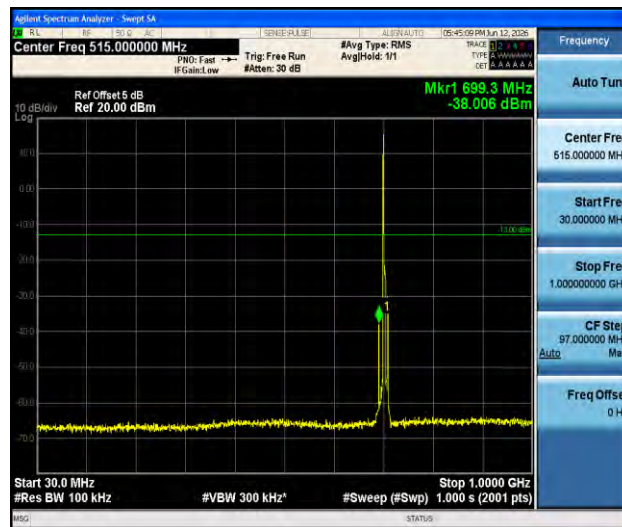
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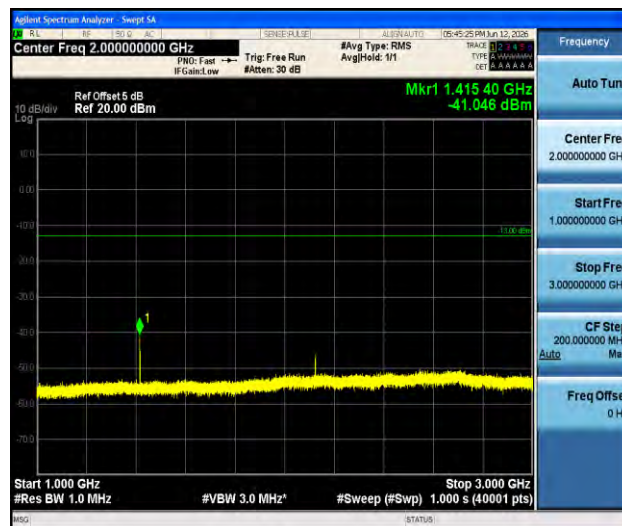
Band17-5MHz-QPSK-23790-1RB#0-0.009~0.15-PASS



Band17-5MHz-QPSK-23790-1RB#0-0.15~30-PASS



Band17-5MHz-QPSK-23790-1RB#0-30~1000-PASS



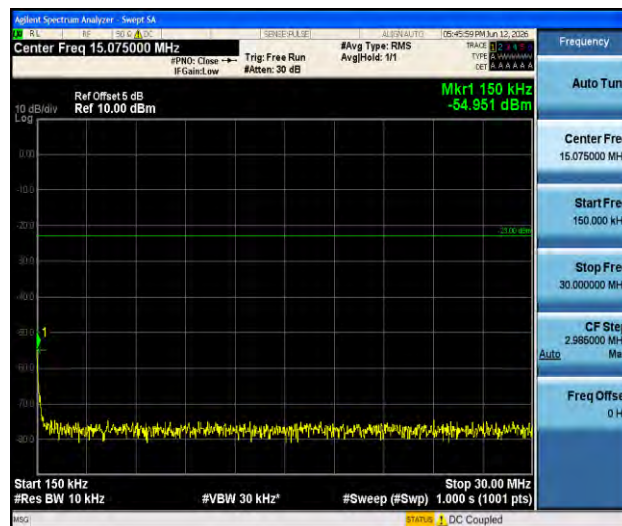
Band17-5MHz-QPSK-23790-1RB#0-1000~3000-PASS



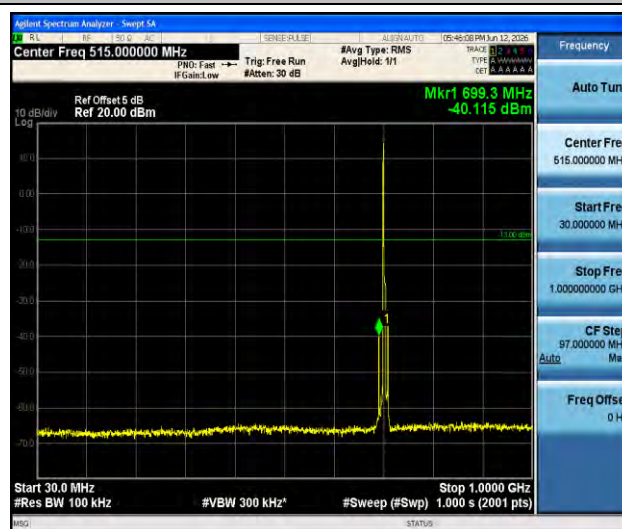
Band17-5MHz-QPSK-23790-1RB#0-3000~10000-PASS



Band17-5MHz-16QAM-23790-1RB#0-0.009~0.15-PASS



Band17-5MHz-16QAM-23790-1RB#0-0.15~30-PASS



Band17-5MHz-16QAM-23790-1RB#0-30~1000-PASS



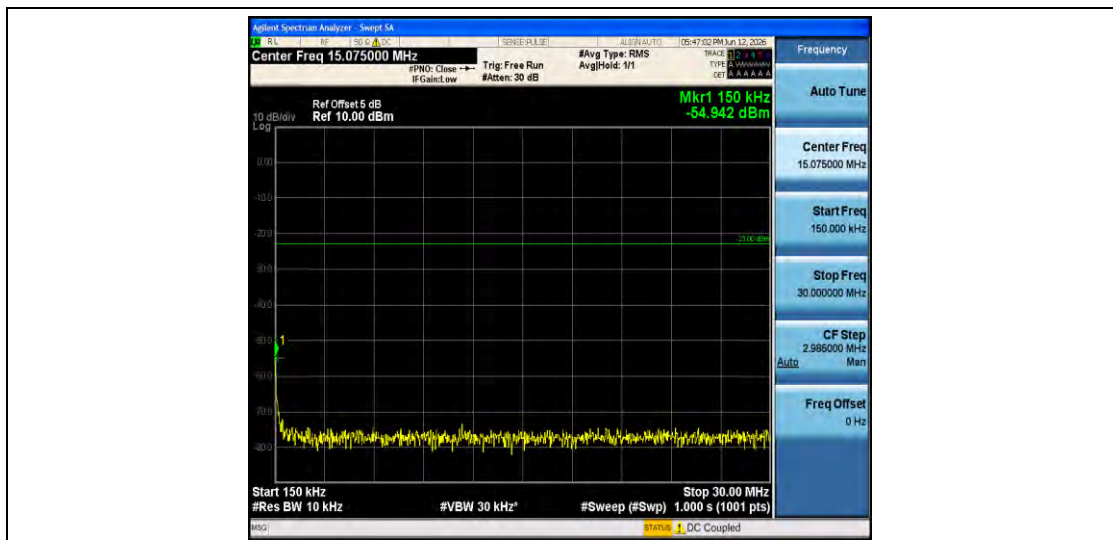
Band17-5MHz-16QAM-23790-1RB#0-1000~3000-PASS



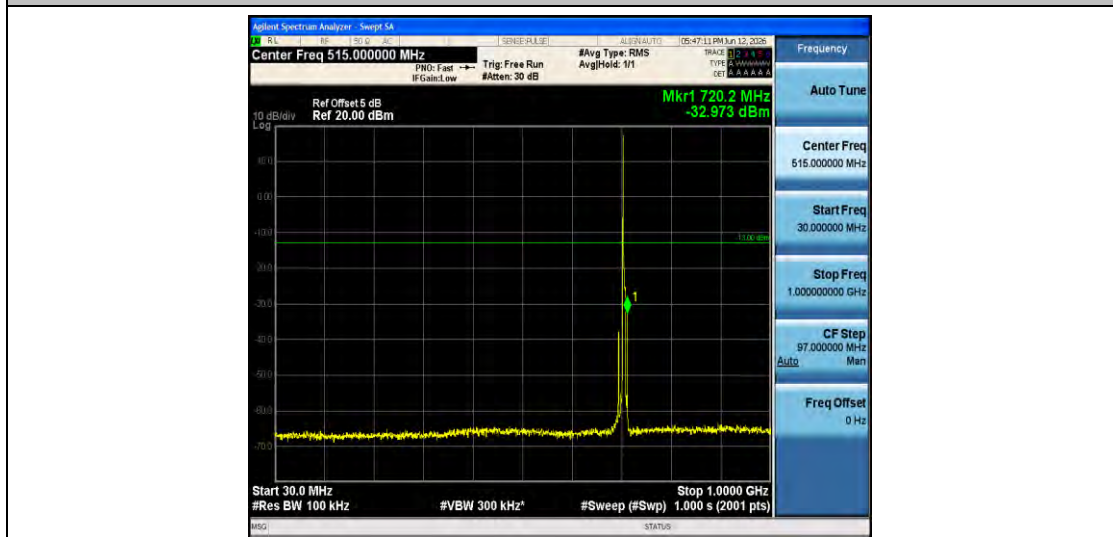
Band17-5MHz-16QAM-23790-1RB#0-3000~10000-PASS



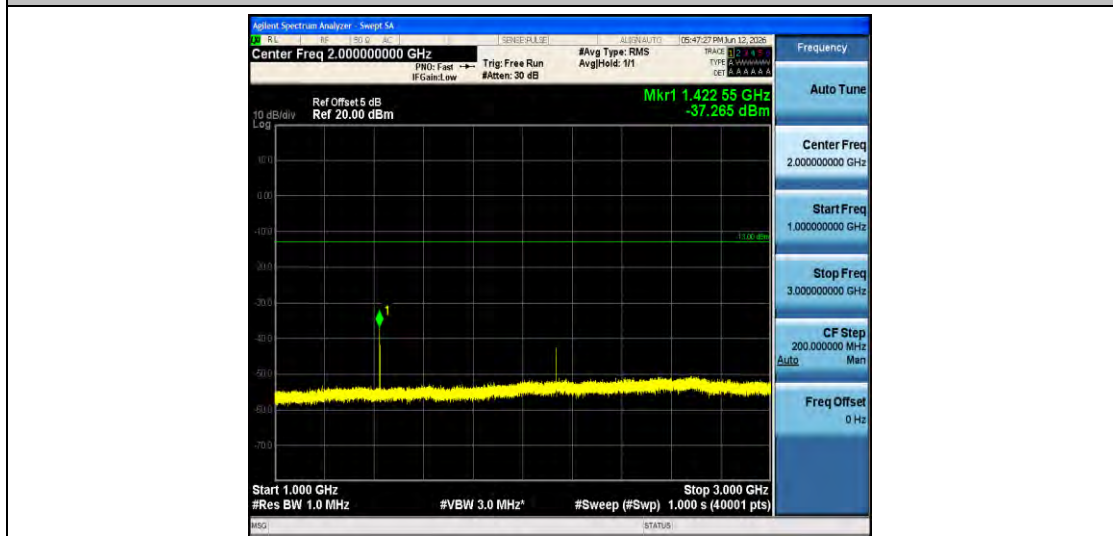
Band17-5MHz-QPSK-23825-1RB#0-0.009~0.15-PASS



Band17-5MHz-QPSK-23825-1RB#0-0.15~30-PASS



Band17-5MHz-QPSK-23825-1RB#0-30~1000-PASS



Band17-5MHz-QPSK-23825-1RB#0-1000~3000-PASS



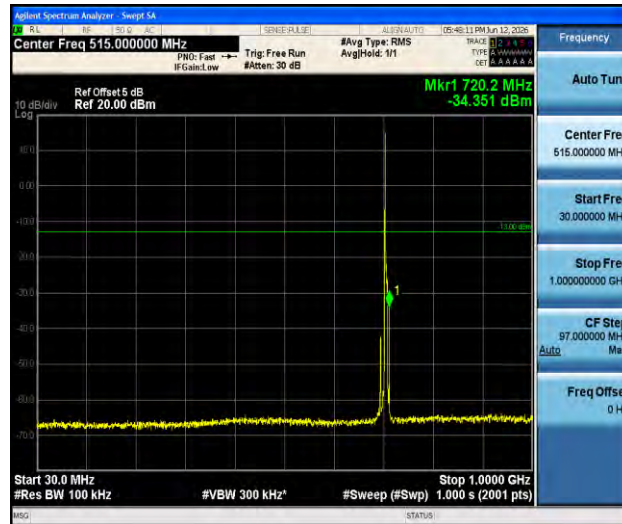
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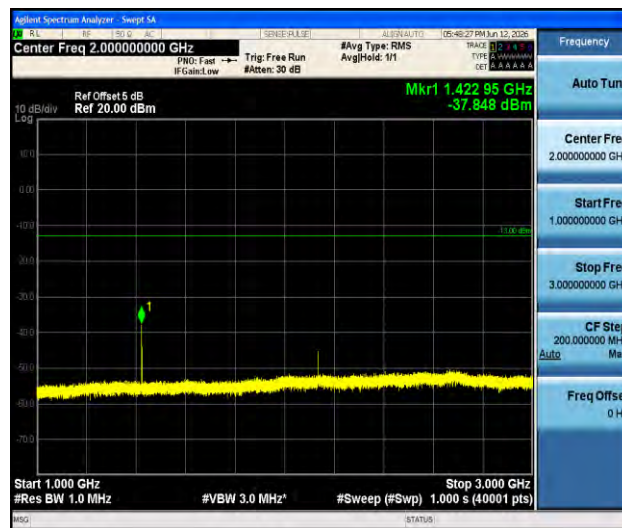
Band17-5MHz-16QAM-23825-1RB#0-0.009~0.15-PASS



Band17-5MHz-16QAM-23825-1RB#0-0.15~30-PASS



Band17-5MHz-16QAM-23825-1RB#0-30~1000-PASS



Band17-5MHz-16QAM-23825-1RB#0-1000~3000-PASS



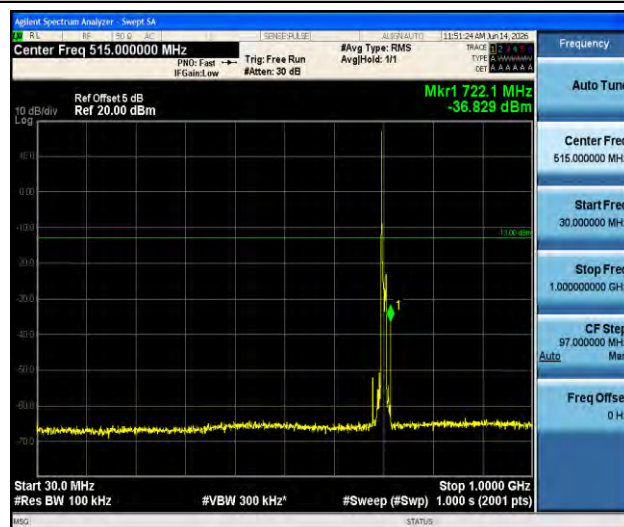
Band17-5MHz-16QAM-23825-1RB#0-3000~10000-PASS



Band17-10MHz-QPSK-23780-1RB#0-0.009~0.15-PASS



Band17-10MHz-QPSK-23780-1RB#0-0.15~30-PASS



Band17-10MHz-QPSK-23780-1RB#0-30~1000-PASS



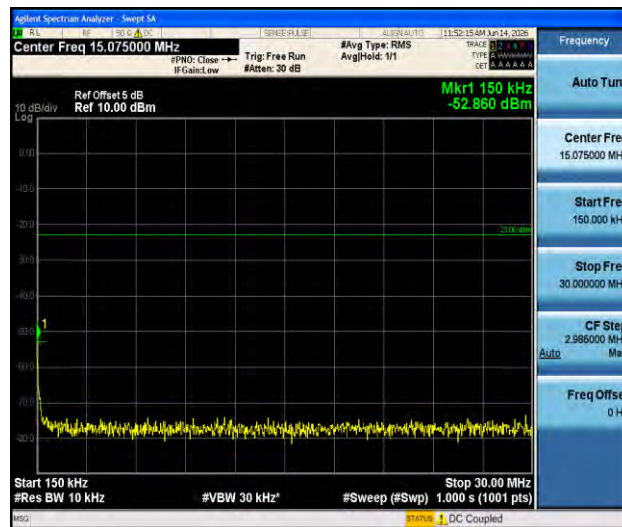
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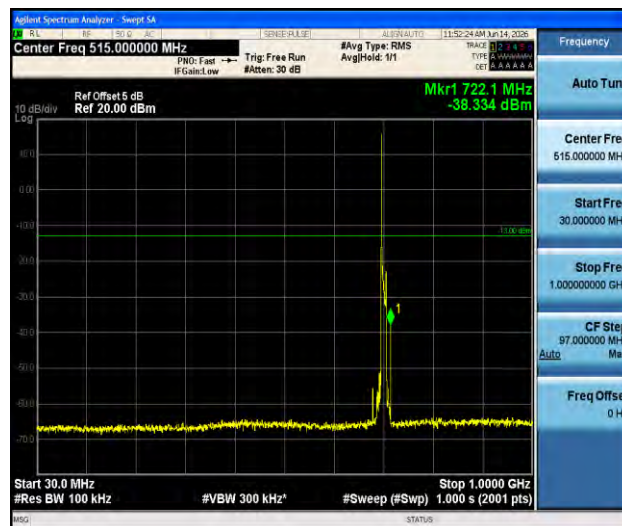
Band17-10MHz-QPSK-23780-1RB#0-3000~10000-PASS



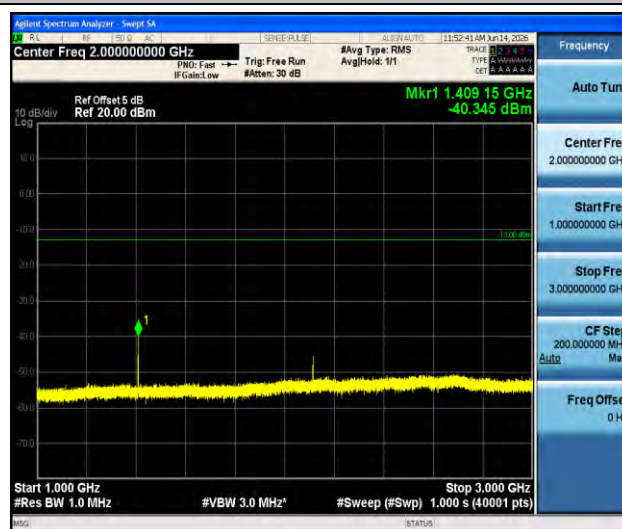
Band17-10MHz-16QAM-23780-1RB#0-0.009~0.15-PASS



Band17-10MHz-16QAM-23780-1RB#0-0.15~30-PASS



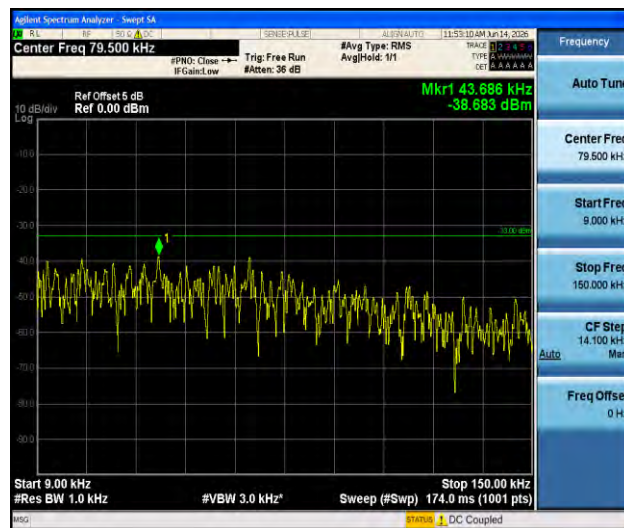
Band17-10MHz-16QAM-23780-1RB#0-30~1000-PASS



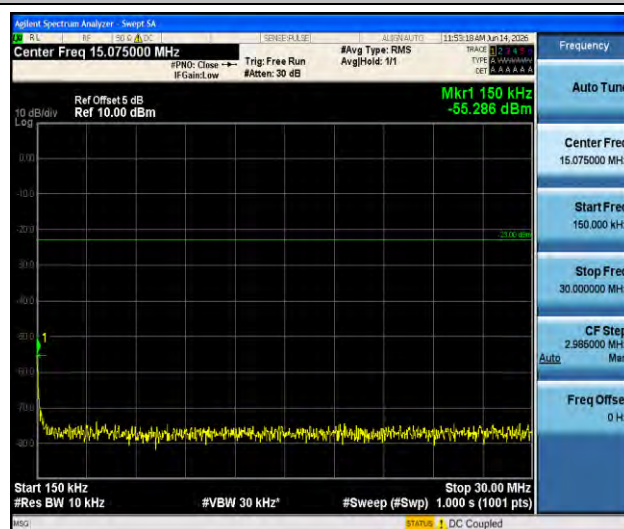
Band17-10MHz-16QAM-23780-1RB#0-1000~3000-PASS



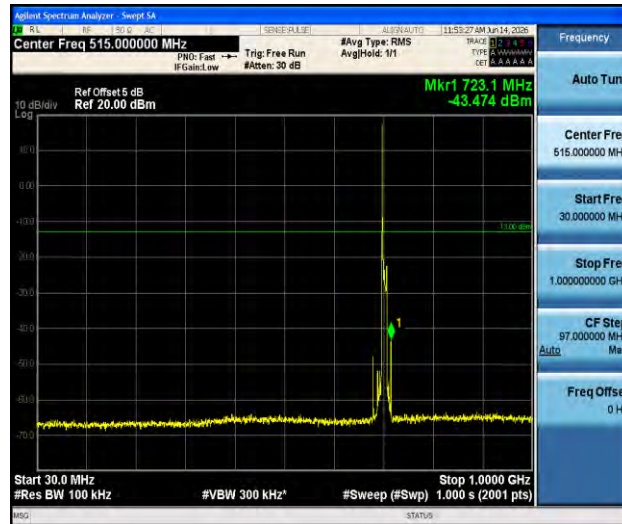
Band17-10MHz-16QAM-23780-1RB#0-3000~10000-PASS



Band17-10MHz-QPSK-23790-1RB#0-0.009~0.15-PASS



Band17-10MHz-QPSK-23790-1RB#0-0.15~30-PASS



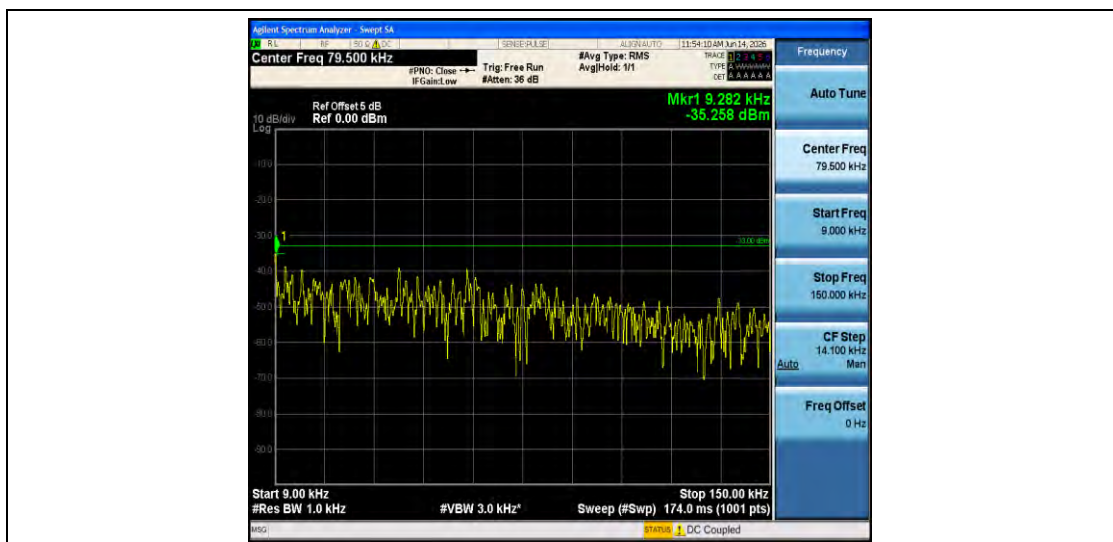
Band17-10MHz-QPSK-23790-1RB#0-30~1000-PASS



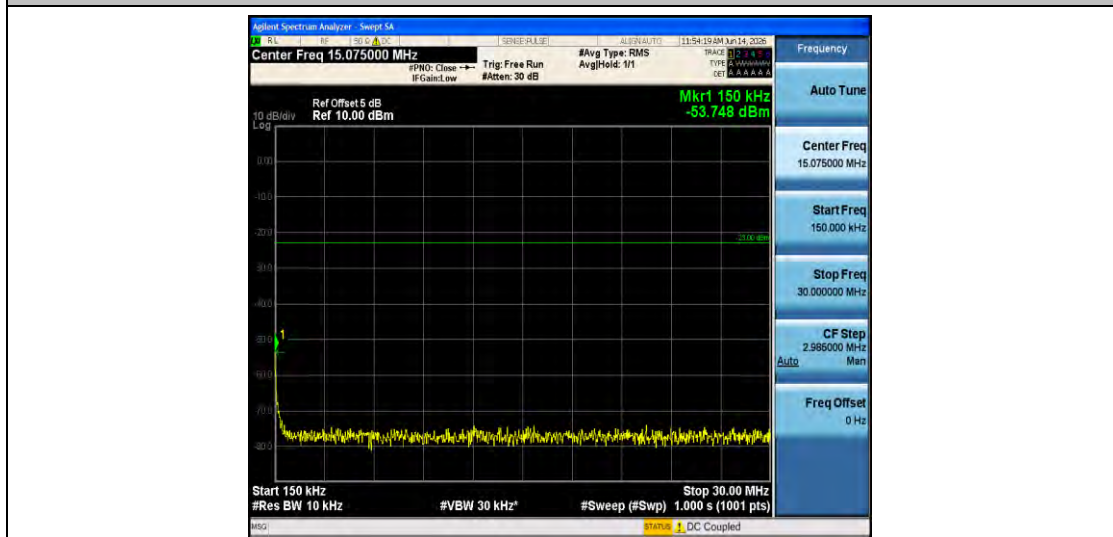
Band17-10MHz-QPSK-23790-1RB#0-1000~3000-PASS



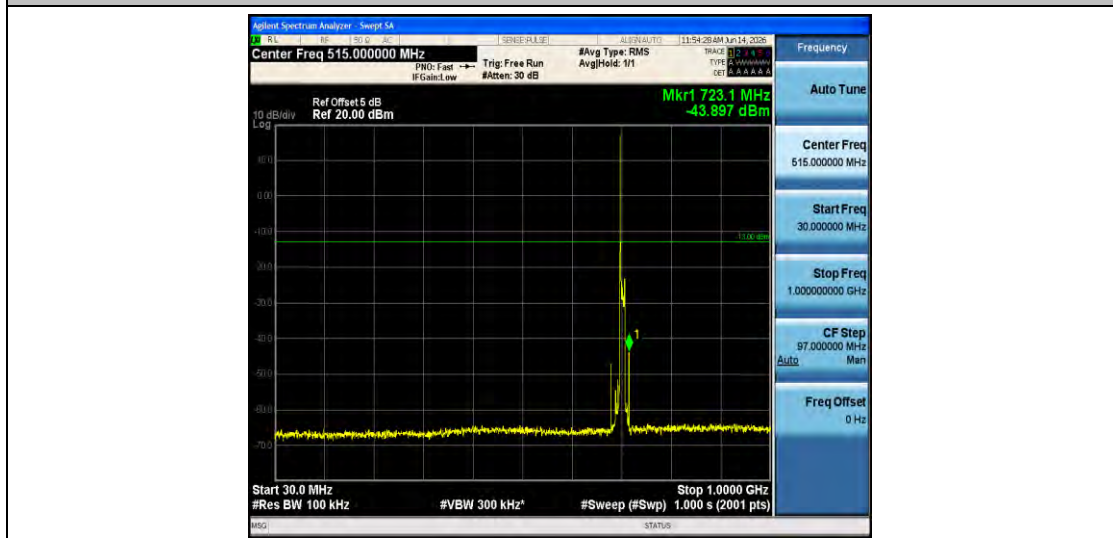
Band17-10MHz-QPSK-23790-1RB#0-3000~10000-PASS



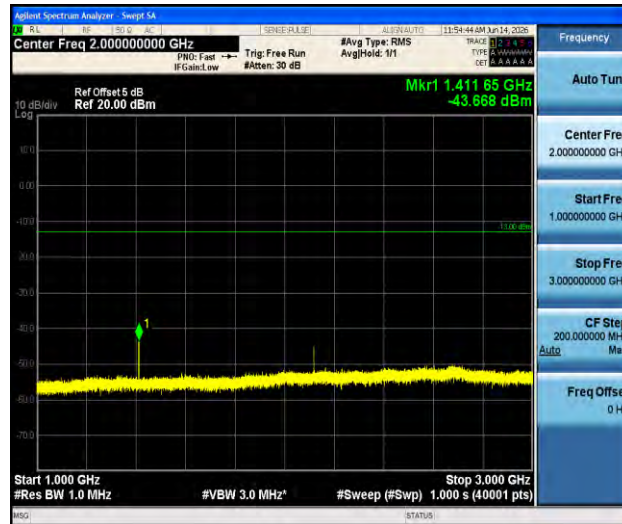
Band17-10MHz-16QAM-23790-1RB#0-0.009~0.15-PASS



Band17-10MHz-16QAM-23790-1RB#0-0.15~30-PASS



Band17-10MHz-16QAM-23790-1RB#0-30~1000-PASS



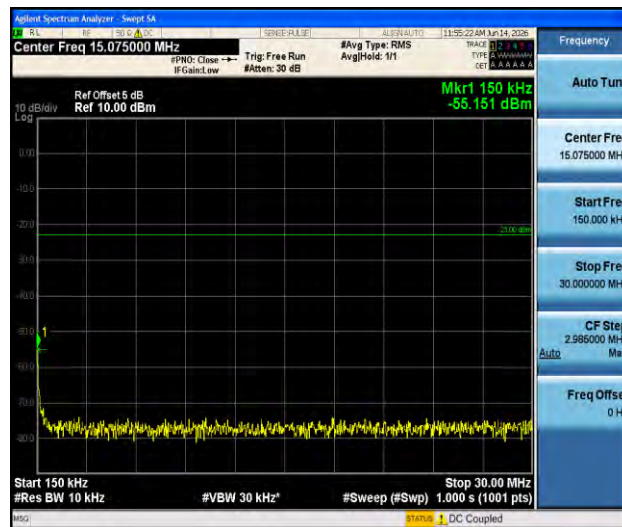
Band17-10MHz-16QAM-23790-1RB#0-1000~3000-PASS



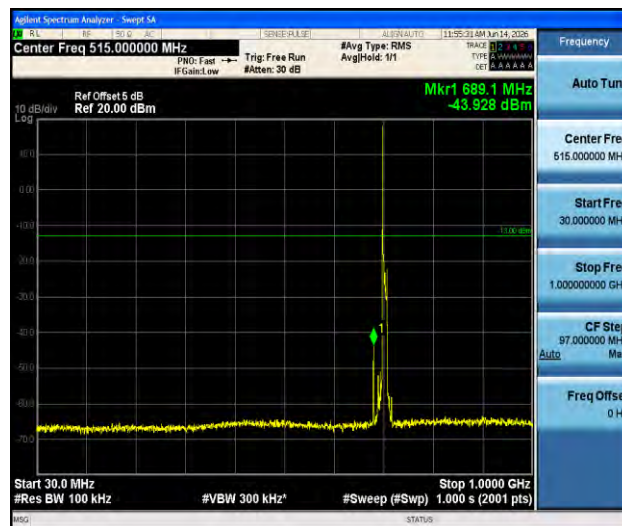
Band17-10MHz-16QAM-23790-1RB#0-3000~10000-PASS



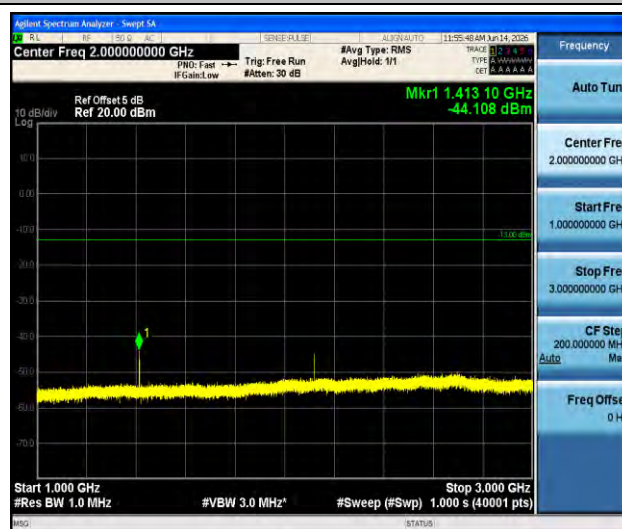
Band17-10MHz-QPSK-23800-1RB#0-0.009~0.15-PASS



Band17-10MHz-QPSK-23800-1RB#0-0.15~30-PASS



Band17-10MHz-QPSK-23800-1RB#0-30~1000-PASS



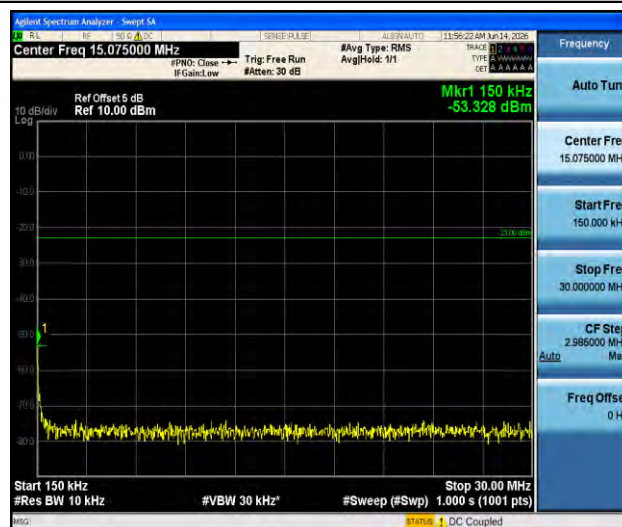
Band17-10MHz-QPSK-23800-1RB#0-1000~3000-PASS



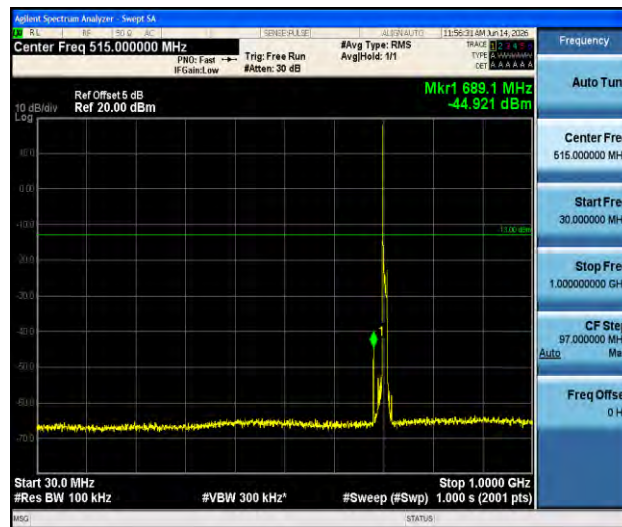
Band17-10MHz-QPSK-23800-1RB#0-3000~10000-PASS



Band17-10MHz-16QAM-23800-1RB#0-0.009~0.15-PASS



Band17-10MHz-16QAM-23800-1RB#0-0.15~30-PASS



Band17-10MHz-16QAM-23800-1RB#0-30~1000-PASS



Band17-10MHz-16QAM-23800-1RB#0-1000~3000-PASS



Band17-10MHz-16QAM-23800-1RB#0-3000~10000-PASS

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	VN	NT	-44.95	-0.063623	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	-42.96	-0.060807	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	-24.67	-0.034919	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	-39.54	-0.055966	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	-45.01	-0.063708	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	6.78	0.009597	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	4.00	0.005634	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	-32.76	-0.046141	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	-15.41	-0.021704	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	-48.92	-0.068901	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	-11.08	-0.015606	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	-21.55	-0.030352	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	6.64	0.009306	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	-4.10	-0.005746	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	-14.41	-0.020196	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	-42.27	-0.059243	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	-40.56	-0.056847	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	-40.42	-0.056650	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	-11.77	-0.016601	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-25.49	-0.035952	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-32.05	-0.045205	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	-21.82	-0.030776	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	-39.48	-0.055684	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	-5.75	-0.008110	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	9.17	0.012915	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-11.55	-0.016268	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-3.26	-0.004592	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	7.74	0.010901	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-13.31	-0.018746	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-26.59	-0.037451	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	11.74	0.016512	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	4.40	0.006188	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	9.72	0.013671	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	25.97	0.036526	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VL	NT	11.59	0.016301	±2.5	PASS

Band17	10MHz	16QAM	23800	50RB#0	VH	NT	2.37	0.003333	±2.5	PASS
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Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	NV	-30	-34.48	-0.048804	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	-36.44	-0.051578	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	-27.51	-0.038938	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-11.97	-0.016943	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-40.07	-0.056716	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-12.84	-0.018174	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-25.23	-0.035711	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	-15.22	-0.021543	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	-49.05	-0.069427	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	-48.19	-0.068209	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-52.26	-0.073970	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	-47.37	-0.067049	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-39.00	-0.055202	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-34.83	-0.049299	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	-24.55	-0.034749	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	-16.24	-0.022987	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	-51.08	-0.072300	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	50	-34.55	-0.048903	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-44.88	-0.063211	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	-26.32	-0.037070	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-49.46	-0.069662	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-22.84	-0.032169	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-43.77	-0.061648	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-24.79	-0.034915	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-45.86	-0.064592	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-12.93	-0.018211	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	-32.10	-0.045211	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	-31.93	-0.044972	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	-44.01	-0.061986	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	-6.37	-0.008972	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-12.27	-0.017282	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-22.61	-0.031845	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	-27.93	-0.039338	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	-35.15	-0.049507	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	40	-41.33	-0.058211	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	50	-48.32	-0.068056	±2.5	PASS

Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-17.72	-0.024835	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-21.78	-0.030526	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	-27.30	-0.038262	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-29.49	-0.041331	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-33.35	-0.046741	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-37.20	-0.052137	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	-37.03	-0.051899	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	-40.31	-0.056496	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	50	-38.64	-0.054156	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	-40.60	-0.056903	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	-40.78	-0.057155	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	-41.66	-0.058388	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	-38.60	-0.054100	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-38.31	-0.053693	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	-40.15	-0.056272	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	-37.84	-0.053034	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	-35.10	-0.049194	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	-35.88	-0.050287	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	-36.45	-0.051410	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-43.35	-0.061142	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	-48.38	-0.068237	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-6.58	-0.009281	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-6.90	-0.009732	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-12.13	-0.017109	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	-13.32	-0.018787	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-14.12	-0.019915	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	-21.33	-0.030085	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-19.14	-0.026996	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-30.69	-0.043286	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	-42.28	-0.059633	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-3.04	-0.004288	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-13.29	-0.018745	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-20.88	-0.029450	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-29.73	-0.041932	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-26.88	-0.037913	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	-35.77	-0.050451	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	5.71	0.008042	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	6.75	0.009507	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	9.84	0.013859	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	9.43	0.013282	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	10.68	0.015042	±2.5	PASS

Band17	10MHz	QPSK	23790	50RB#0	NV	20	13.27	0.018690	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	13.56	0.019099	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	10.31	0.014521	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	10.96	0.015437	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-37.41	-0.052690	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-43.57	-0.061366	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	-5.11	-0.007197	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-15.08	-0.021239	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-21.77	-0.030662	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-34.02	-0.047915	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	-39.28	-0.055324	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-47.91	-0.067479	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	-50.97	-0.071789	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	17.99	0.025302	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	22.35	0.031435	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	23.06	0.032433	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	25.19	0.035429	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	25.09	0.035288	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	24.46	0.034402	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	25.46	0.035809	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	25.44	0.035781	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	23.66	0.033277	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	-10.47	-0.014726	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-19.64	-0.027623	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	-24.99	-0.035148	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-29.38	-0.041322	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-34.85	-0.049015	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	-43.29	-0.060886	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	-44.45	-0.062518	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	-47.57	-0.066906	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	-7.39	-0.010394	±2.5	PASS