

Appendix for LTE Band 17

Applicant: UCLOUDLINK (SINGAPORE) PTE.LTD

**Address: 80 ROBINSON ROAD #02-00
SINGAPORE(068898)**

Product Name: 4G Wireless Data Terminal

Model: GLMX24A01

TABLE OF CONTENTS

APPENDIX A: CONDUCTED POWER OUTPUT DATA.....	3
APPENDIX B: PEAK-TO-AVERAGE RATIO(CCDF).....	6
APPENDIX C: 26DB BANDWIDTH AND OCCUPIED BANDWIDTH	15
APPENDIX D: BAND EDGE	20
APPENDIX E: CONDUCTED SPURIOUS EMISSION.....	29
APPENDIX F: FREQUENCY STABILITY	51

Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	24.06	PASS
Band17	5MHz	16QAM	23755	1RB#0	23.18	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.94	PASS
Band17	5MHz	16QAM	23755	1RB#12	23.21	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.98	PASS
Band17	5MHz	16QAM	23755	1RB#24	23.17	PASS
Band17	5MHz	QPSK	23755	12RB#0	23.53	PASS
Band17	5MHz	16QAM	23755	12RB#0	23.54	PASS
Band17	5MHz	QPSK	23755	12RB#6	23.59	PASS
Band17	5MHz	16QAM	23755	12RB#6	23.51	PASS
Band17	5MHz	QPSK	23755	12RB#13	23.55	PASS
Band17	5MHz	16QAM	23755	12RB#13	23.60	PASS
Band17	5MHz	QPSK	23755	25RB#0	23.55	PASS
Band17	5MHz	16QAM	23755	25RB#0	22.40	PASS
Band17	5MHz	QPSK	23790	1RB#0	24.00	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.91	PASS
Band17	5MHz	QPSK	23790	1RB#12	24.04	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.95	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.97	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.91	PASS
Band17	5MHz	QPSK	23790	12RB#0	23.59	PASS
Band17	5MHz	16QAM	23790	12RB#0	23.50	PASS
Band17	5MHz	QPSK	23790	12RB#6	23.48	PASS
Band17	5MHz	16QAM	23790	12RB#6	23.48	PASS
Band17	5MHz	QPSK	23790	12RB#13	23.48	PASS
Band17	5MHz	16QAM	23790	12RB#13	23.50	PASS
Band17	5MHz	QPSK	23790	25RB#0	23.49	PASS
Band17	5MHz	16QAM	23790	25RB#0	22.38	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.98	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.86	PASS
Band17	5MHz	QPSK	23825	1RB#12	24.01	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.82	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.97	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.83	PASS
Band17	5MHz	QPSK	23825	12RB#0	23.46	PASS
Band17	5MHz	16QAM	23825	12RB#0	23.43	PASS
Band17	5MHz	QPSK	23825	12RB#6	23.43	PASS
Band17	5MHz	16QAM	23825	12RB#6	23.50	PASS

Band17	5MHz	QPSK	23825	12RB#13	23.38	PASS
Band17	5MHz	16QAM	23825	12RB#13	23.43	PASS
Band17	5MHz	QPSK	23825	25RB#0	23.35	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.57	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.83	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.50	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.99	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.46	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.88	PASS
Band17	10MHz	16QAM	23780	1RB#49	23.47	PASS
Band17	10MHz	QPSK	23780	25RB#0	23.50	PASS
Band17	10MHz	16QAM	23780	25RB#0	23.41	PASS
Band17	10MHz	QPSK	23780	25RB#12	23.42	PASS
Band17	10MHz	16QAM	23780	25RB#12	23.41	PASS
Band17	10MHz	QPSK	23780	25RB#25	23.54	PASS
Band17	10MHz	16QAM	23780	25RB#25	23.53	PASS
Band17	10MHz	QPSK	23780	50RB#0	23.50	PASS
Band17	10MHz	16QAM	23780	50RB#0	22.43	PASS
Band17	10MHz	QPSK	23790	1RB#0	24.10	PASS
Band17	10MHz	16QAM	23790	1RB#0	23.33	PASS
Band17	10MHz	QPSK	23790	1RB#24	24.12	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.34	PASS
Band17	10MHz	QPSK	23790	1RB#49	24.03	PASS
Band17	10MHz	16QAM	23790	1RB#49	23.12	PASS
Band17	10MHz	QPSK	23790	25RB#0	23.56	PASS
Band17	10MHz	16QAM	23790	25RB#0	23.46	PASS
Band17	10MHz	QPSK	23790	25RB#12	23.58	PASS
Band17	10MHz	16QAM	23790	25RB#12	23.46	PASS
Band17	10MHz	QPSK	23790	25RB#25	23.41	PASS
Band17	10MHz	16QAM	23790	25RB#25	23.39	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.47	PASS
Band17	10MHz	16QAM	23790	50RB#0	22.57	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.87	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.99	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.91	PASS
Band17	10MHz	16QAM	23800	1RB#24	24.04	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.89	PASS
Band17	10MHz	16QAM	23800	1RB#49	24.02	PASS
Band17	10MHz	QPSK	23800	25RB#0	23.53	PASS
Band17	10MHz	16QAM	23800	25RB#0	23.45	PASS
Band17	10MHz	QPSK	23800	25RB#12	23.55	PASS
Band17	10MHz	16QAM	23800	25RB#12	23.47	PASS
Band17	10MHz	QPSK	23800	25RB#25	23.38	PASS

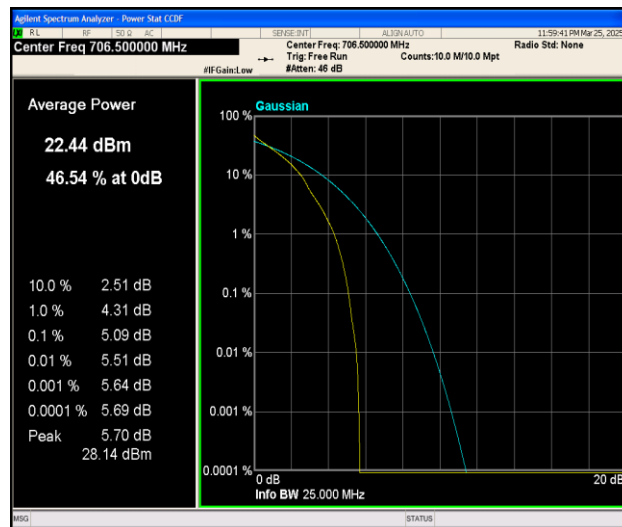
Band17	10MHz	16QAM	23800	25RB#25	23.46	PASS
Band17	10MHz	QPSK	23800	50RB#0	23.44	PASS
Band17	10MHz	16QAM	23800	50RB#0	22.48	PASS

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

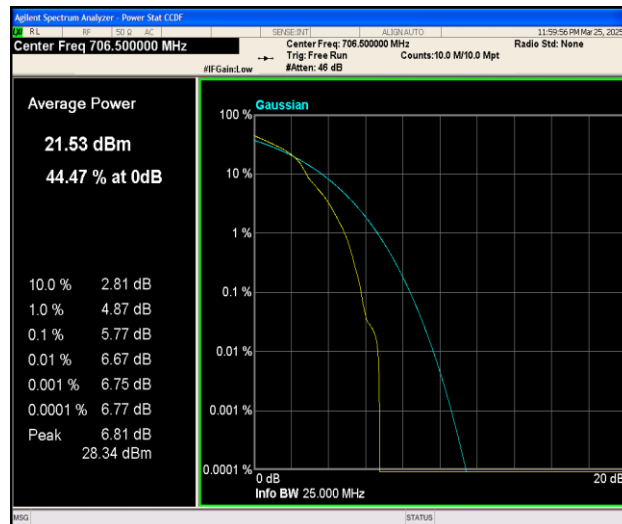
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	5.09	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.77	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.73	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.44	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	5.70	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	6.15	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.76	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.46	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	5.42	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.98	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.20	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.95	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	5.28	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.95	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.80	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.54	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	5.46	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	6.22	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.75	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.45	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	5.46	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	6.14	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.59	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.35	13	PASS

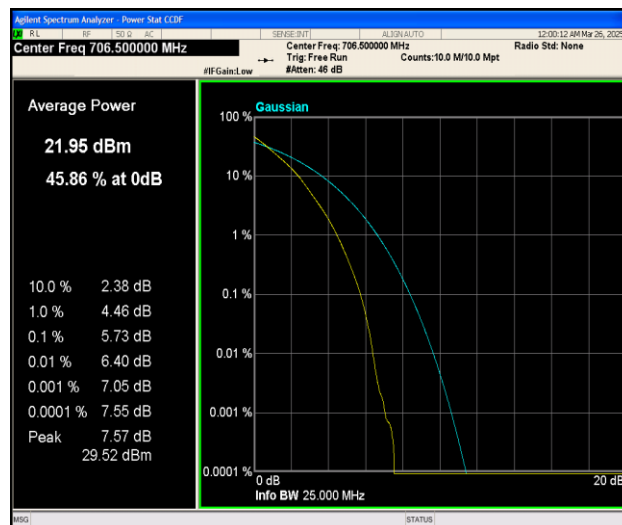
Test Graphs



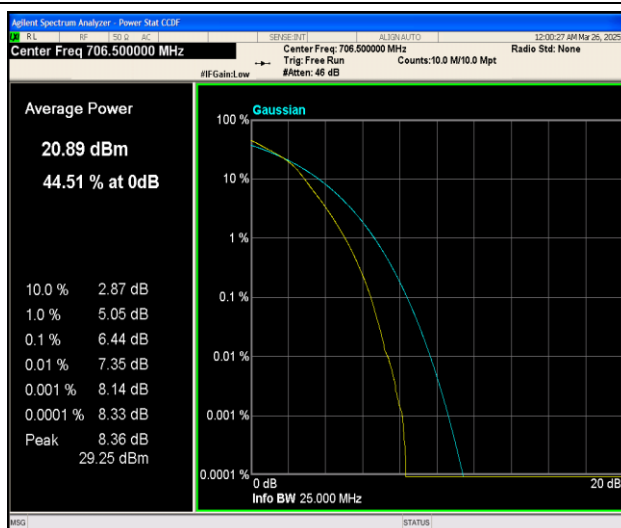
Band17-5MHz-QPSK-23755-1RB#0-PASS



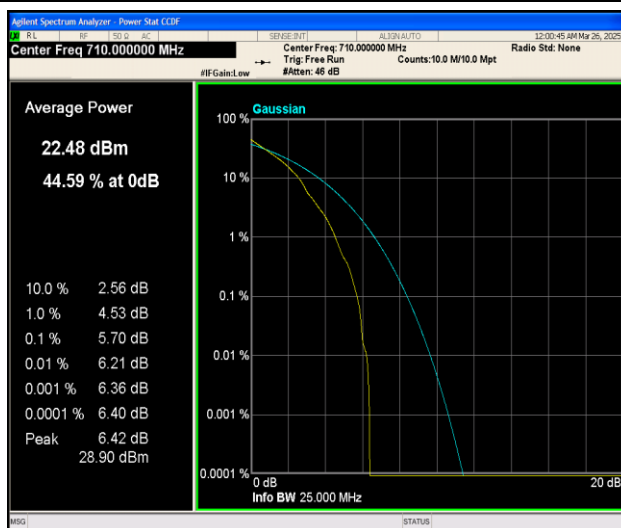
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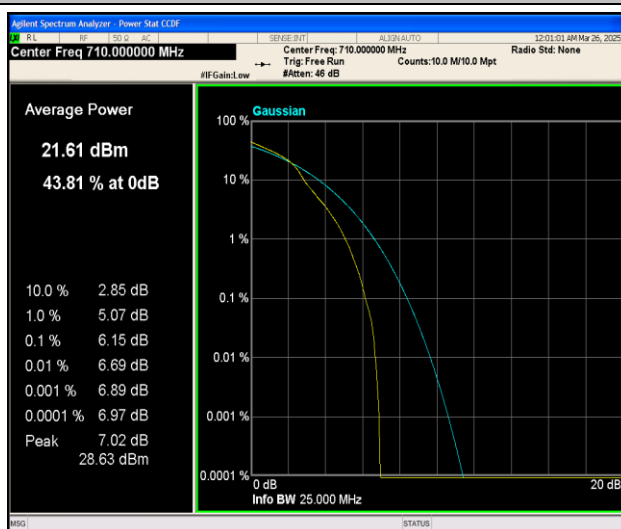
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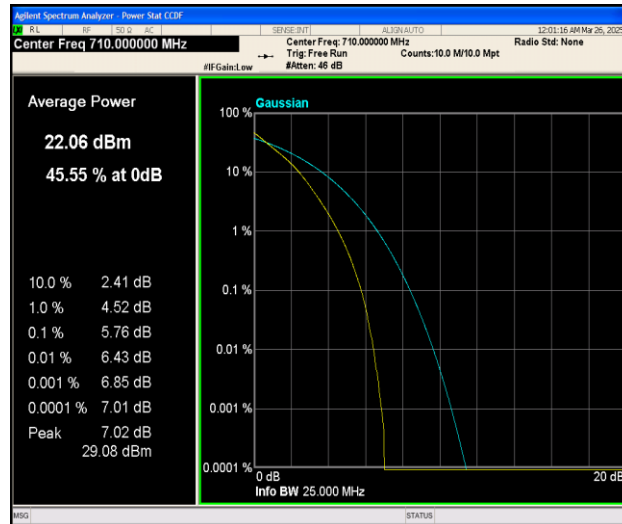
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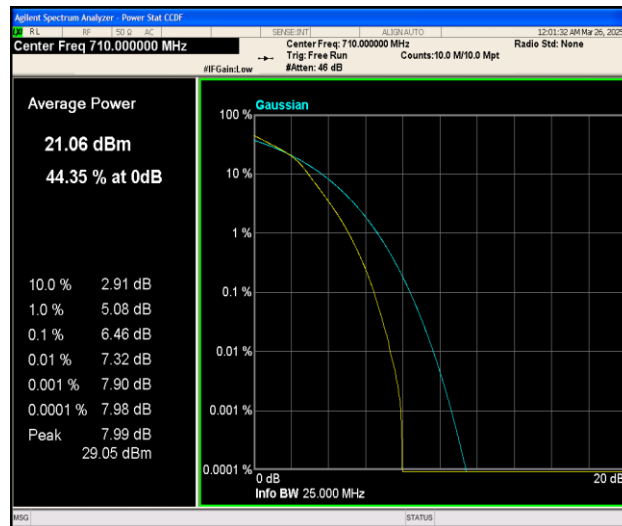
Band17-5MHz-QPSK-23790-1RB#0-PASS



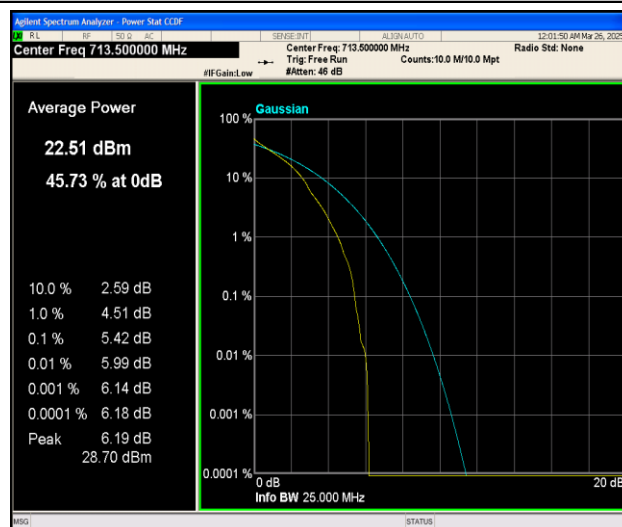
Band17-5MHz-16QAM-23790-1RB#0-PASS



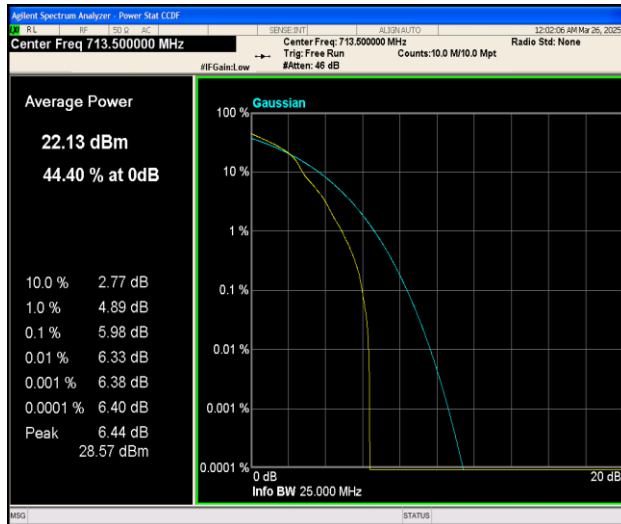
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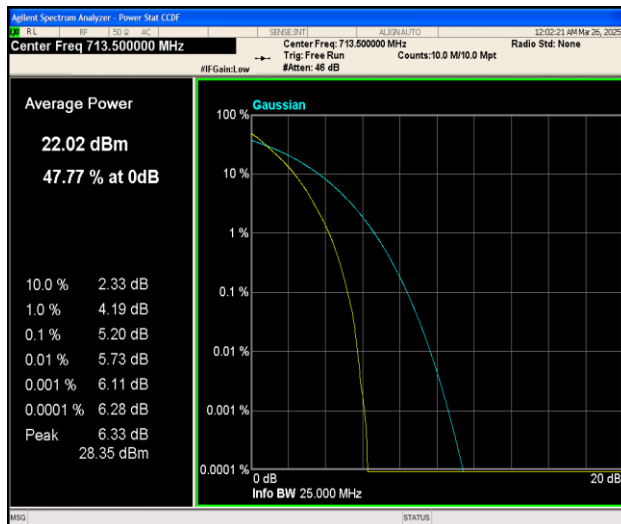
Band17-5MHz-16QAM-23790-25RB#0-PASS



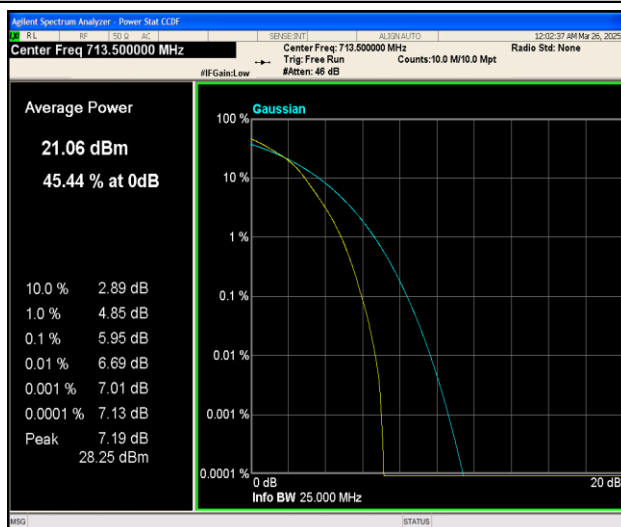
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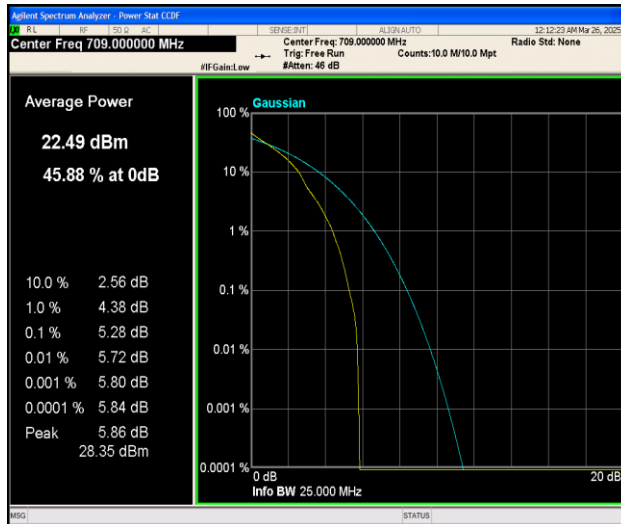
Band17-5MHz-16QAM-23825-1RB#0-PASS



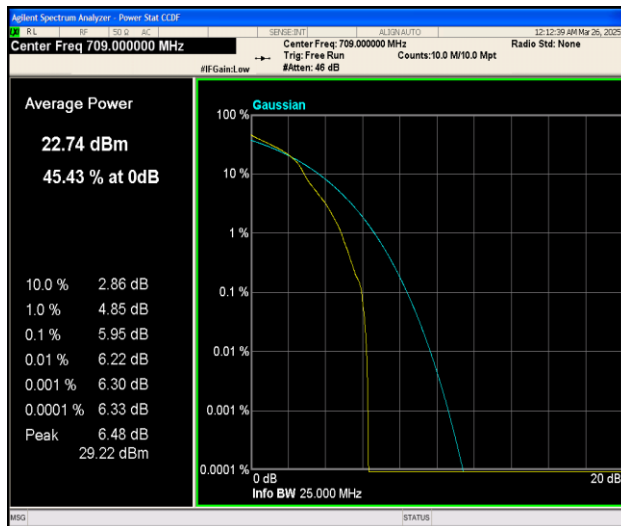
Band17-5MHz-QPSK-23825-25RB#0-PASS



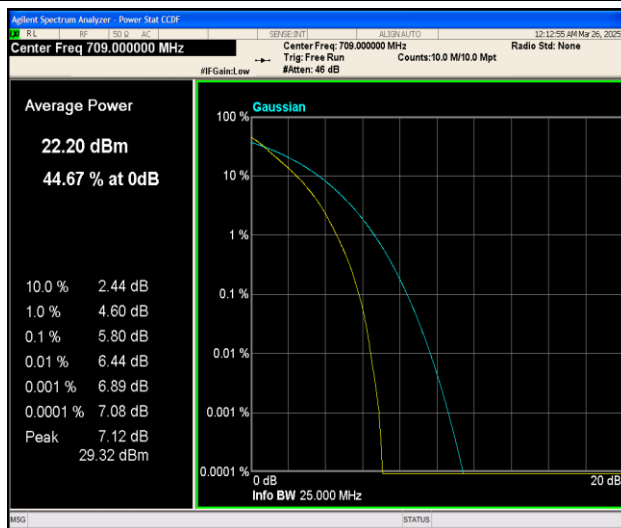
Band17-5MHz-16QAM-23825-25RB#0-PASS



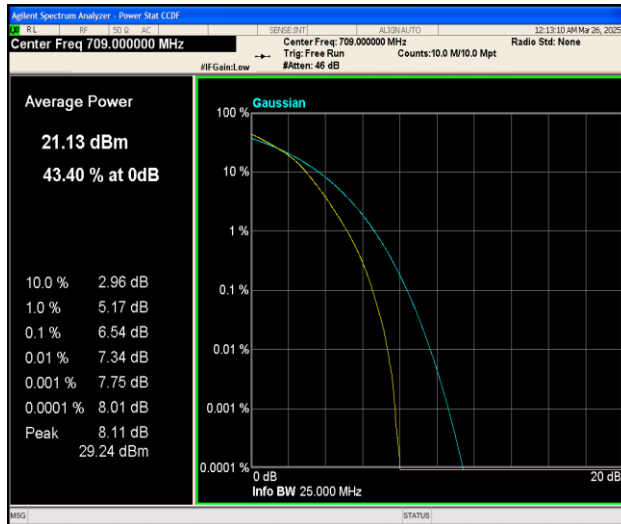
Band17-10MHz-QPSK-23780-1RB#0-PASS



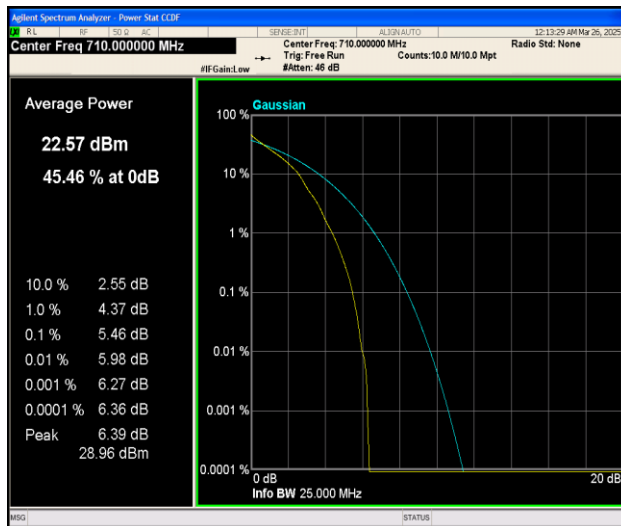
Band17-10MHz-16QAM-23780-1RB#0-PASS



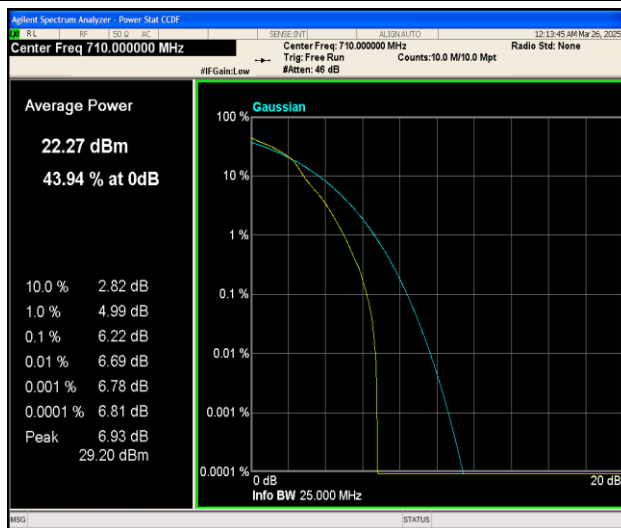
Band17-10MHz-QPSK-23780-50RB#0-PASS



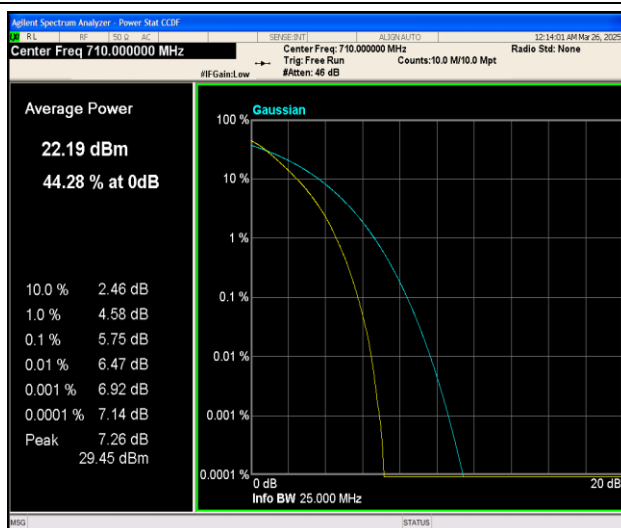
Band17-10MHz-16QAM-23780-50RB#0-PASS



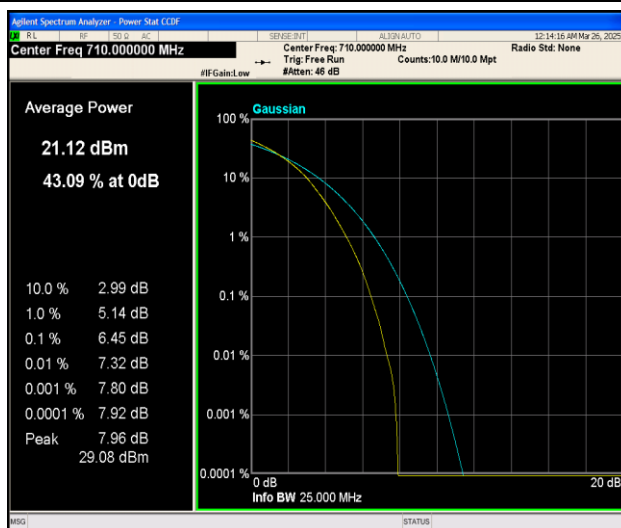
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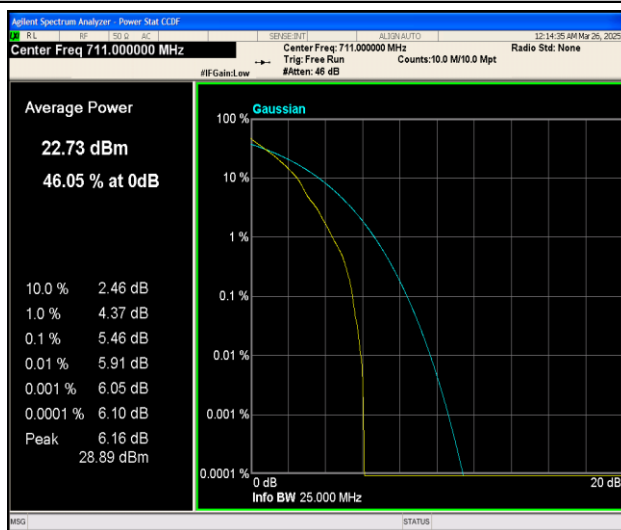
Band17-10MHz-16QAM-23790-1RB#0-PASS



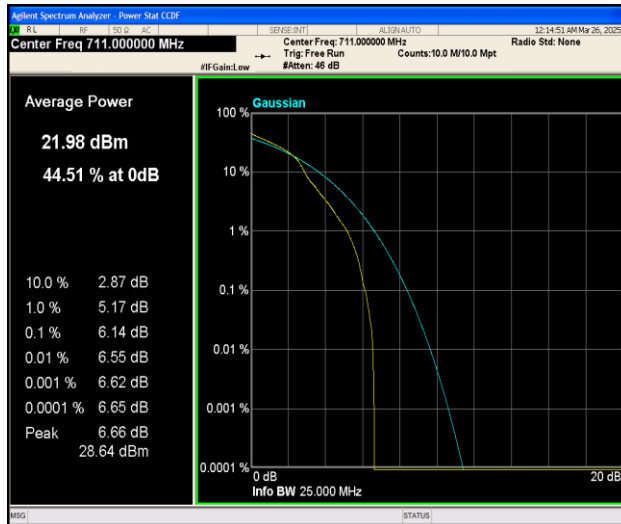
Band17-10MHz-QPSK-23790-50RB#0-PASS



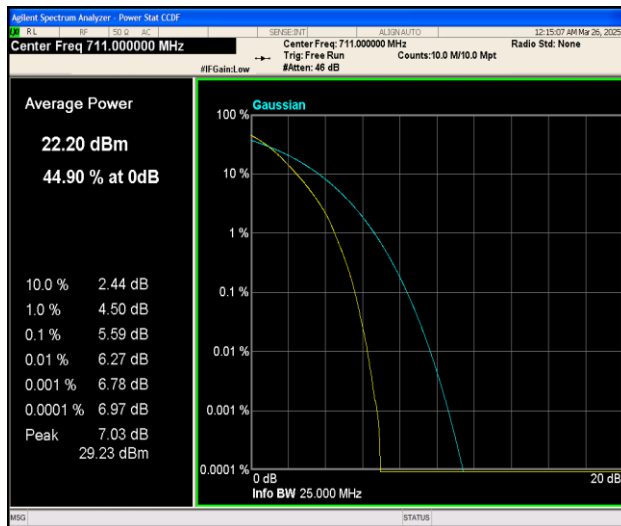
Band17-10MHz-16QAM-23790-50RB#0-PASS



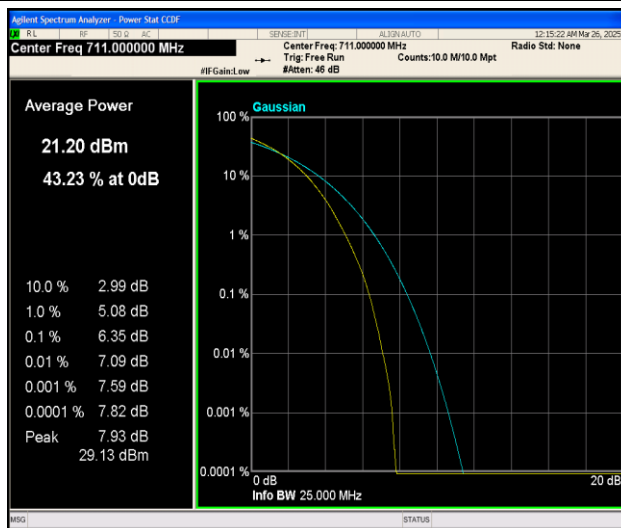
Band17-10MHz-QPSK-23800-1RB#0-PASS



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



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



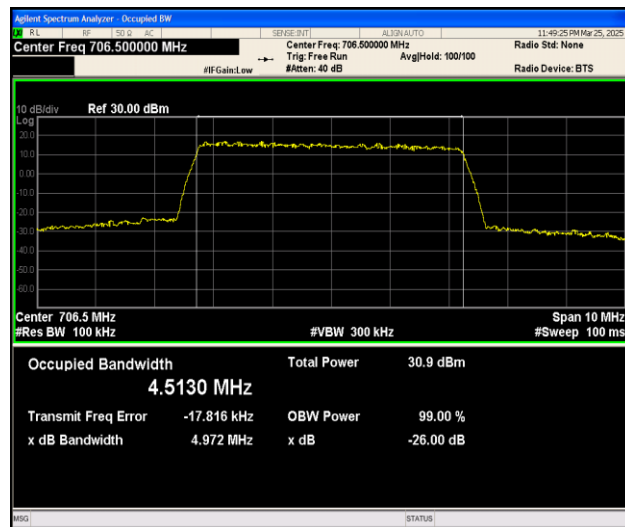
Band17-10MHz-16QAM-23800-50RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

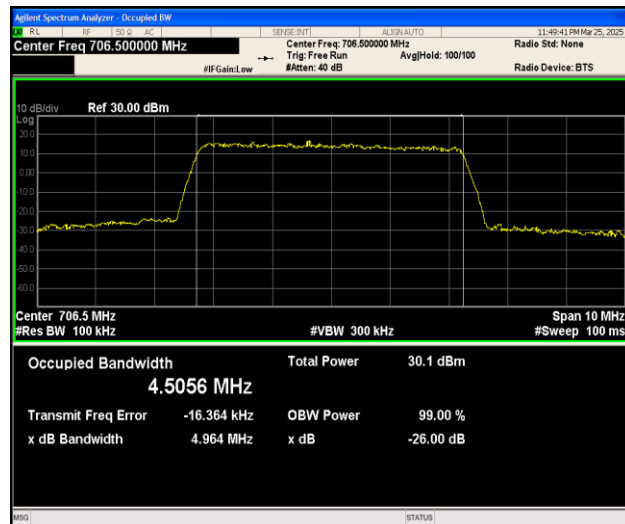
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5130	4.972	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5056	4.964	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5105	4.989	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5209	4.979	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4936	4.947	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5052	4.987	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.0456	9.938	PASS
Band17	10MHz	16QAM	23780	50RB#0	9.0450	9.934	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0525	9.939	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0329	9.919	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9745	9.880	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9988	9.890	PASS

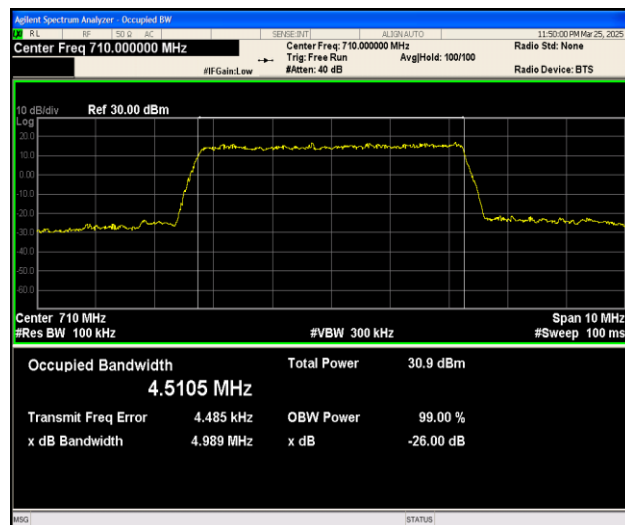
Test Graphs



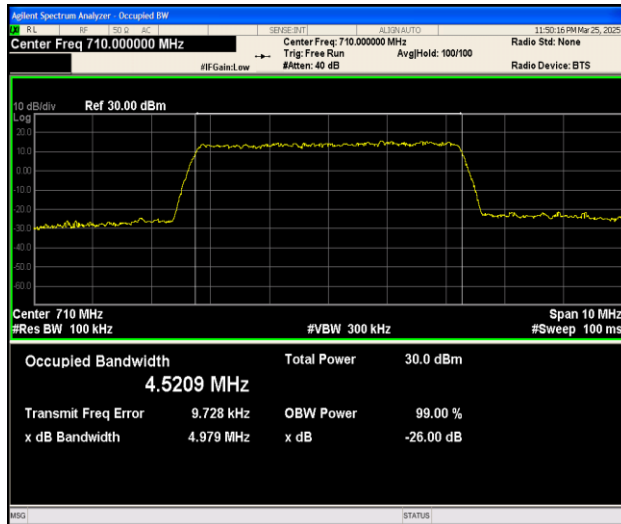
Band17-5MHz-QPSK-23755-25RB#0-PASS



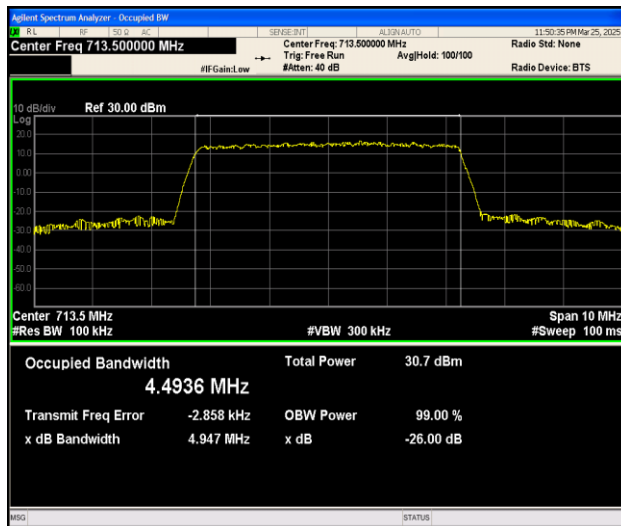
Band17-5MHz-16QAM-23755-25RB#0-PASS



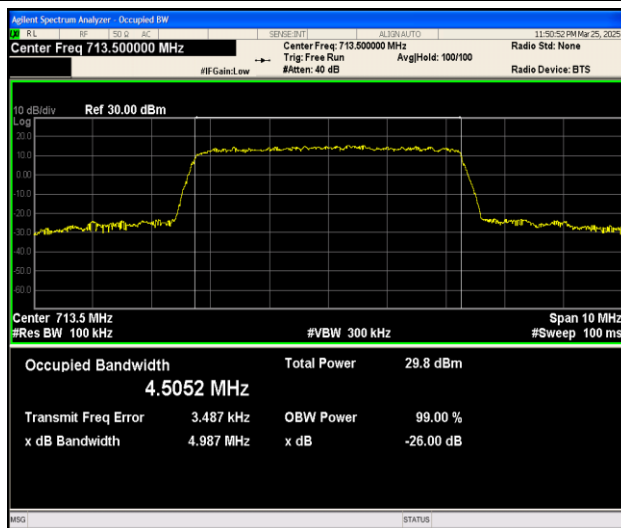
Band17-5MHz-QPSK-23790-25RB#0-PASS



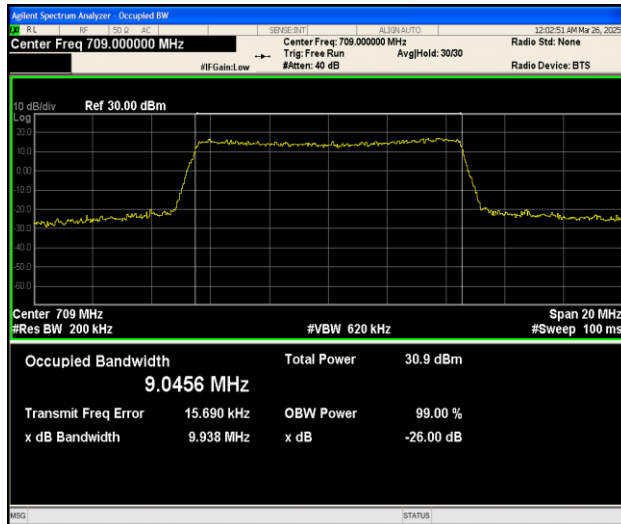
Band17-5MHz-16QAM-23790-25RB#0-PASS



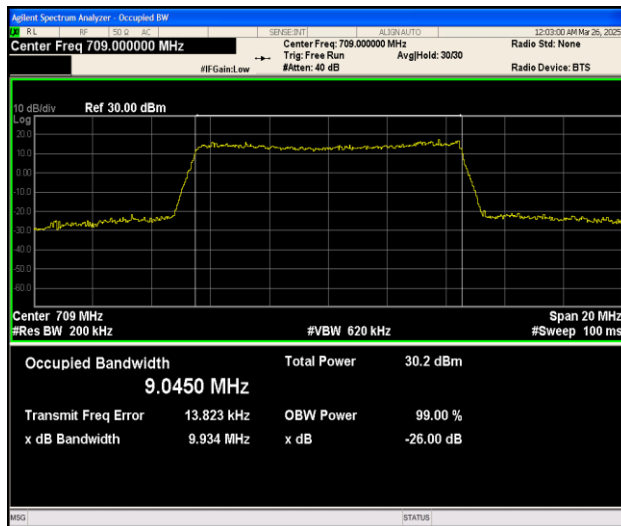
Band17-5MHz-QPSK-23825-25RB#0-PASS



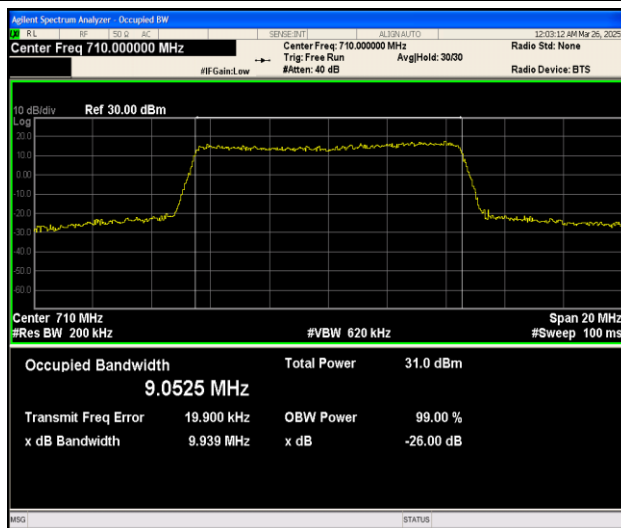
Band17-5MHz-16QAM-23825-25RB#0-PASS



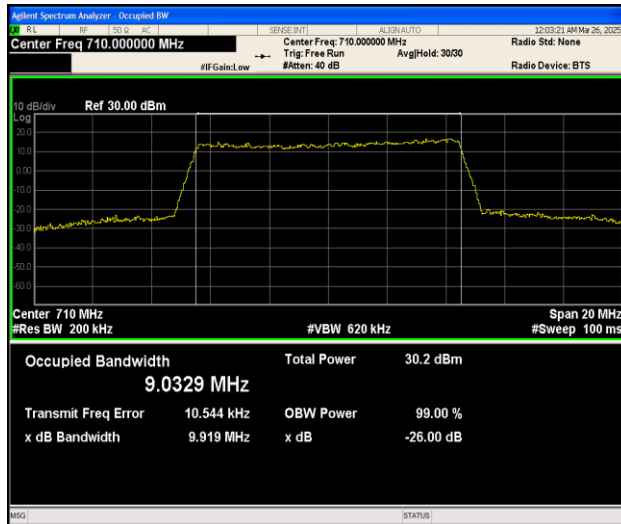
Band17-10MHz-QPSK-23780-50RB#0-PASS



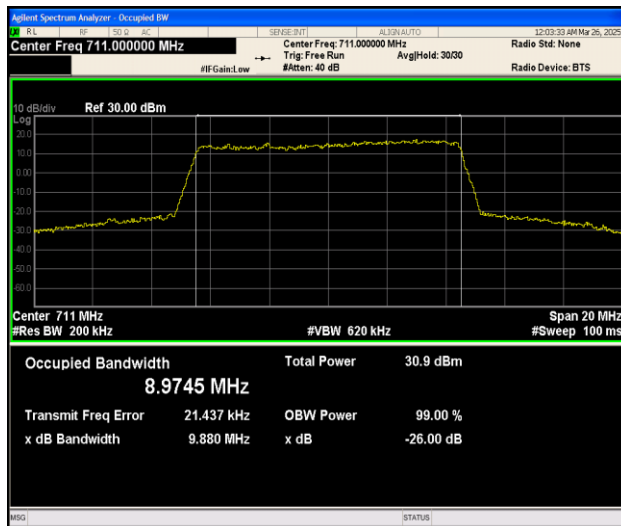
Band17-10MHz-16QAM-23780-50RB#0-PASS



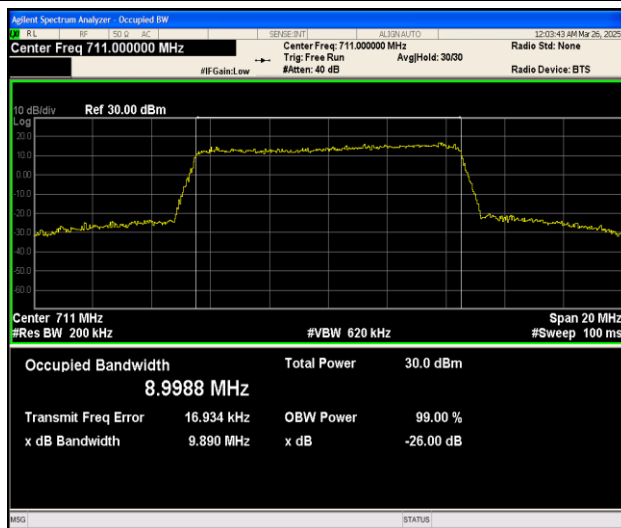
Band17-10MHz-QPSK-23790-50RB#0-PASS



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



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



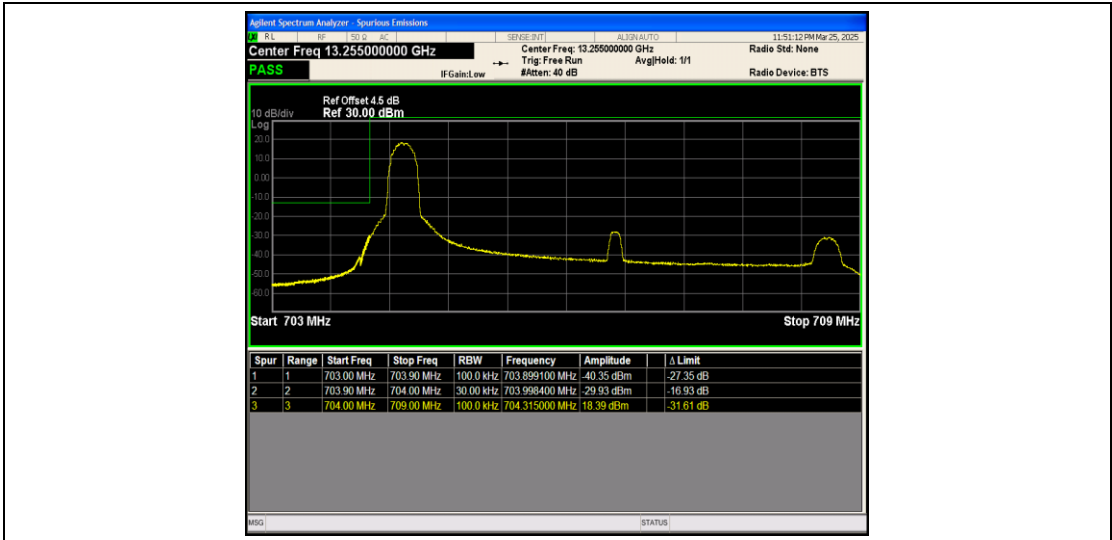
Band17-10MHz-16QAM-23800-50RB#0-PASS

Appendix D: Band Edge

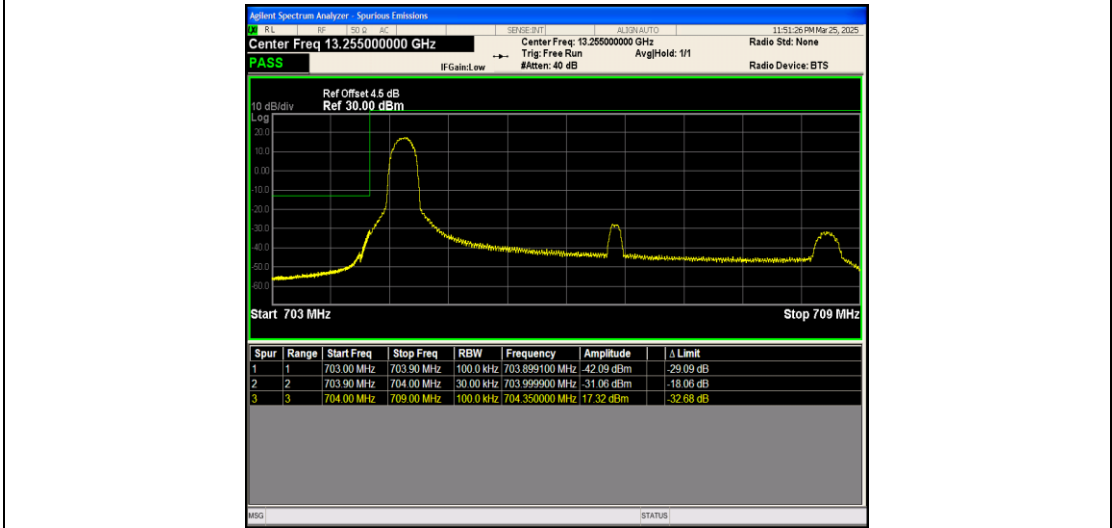
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	-29.93	PASS
Band17	5MHz	16QAM	23755	1RB#0	-31.06	PASS
Band17	5MHz	QPSK	23755	1RB#24	-43.10	PASS
Band17	5MHz	16QAM	23755	1RB#24	-45.40	PASS
Band17	5MHz	QPSK	23755	25RB#0	-35.81	PASS
Band17	5MHz	16QAM	23755	25RB#0	-36.34	PASS
Band17	5MHz	QPSK	23825	1RB#0	-44.90	PASS
Band17	5MHz	16QAM	23825	1RB#0	-47.07	PASS
Band17	5MHz	QPSK	23825	1RB#24	-29.28	PASS
Band17	5MHz	16QAM	23825	1RB#24	-29.70	PASS
Band17	5MHz	QPSK	23825	25RB#0	-36.95	PASS
Band17	5MHz	16QAM	23825	25RB#0	-38.44	PASS
Band17	10MHz	QPSK	23780	1RB#0	-35.75	PASS
Band17	10MHz	16QAM	23780	1RB#0	-35.89	PASS
Band17	10MHz	QPSK	23780	1RB#49	-52.53	PASS
Band17	10MHz	16QAM	23780	1RB#49	-52.21	PASS
Band17	10MHz	QPSK	23780	50RB#0	-36.39	PASS
Band17	10MHz	16QAM	23780	50RB#0	-38.49	PASS
Band17	10MHz	QPSK	23800	1RB#0	-51.03	PASS
Band17	10MHz	16QAM	23800	1RB#0	-51.49	PASS
Band17	10MHz	QPSK	23800	1RB#49	-35.56	PASS
Band17	10MHz	16QAM	23800	1RB#49	-35.52	PASS
Band17	10MHz	QPSK	23800	50RB#0	-36.61	PASS
Band17	10MHz	16QAM	23800	50RB#0	-36.57	PASS

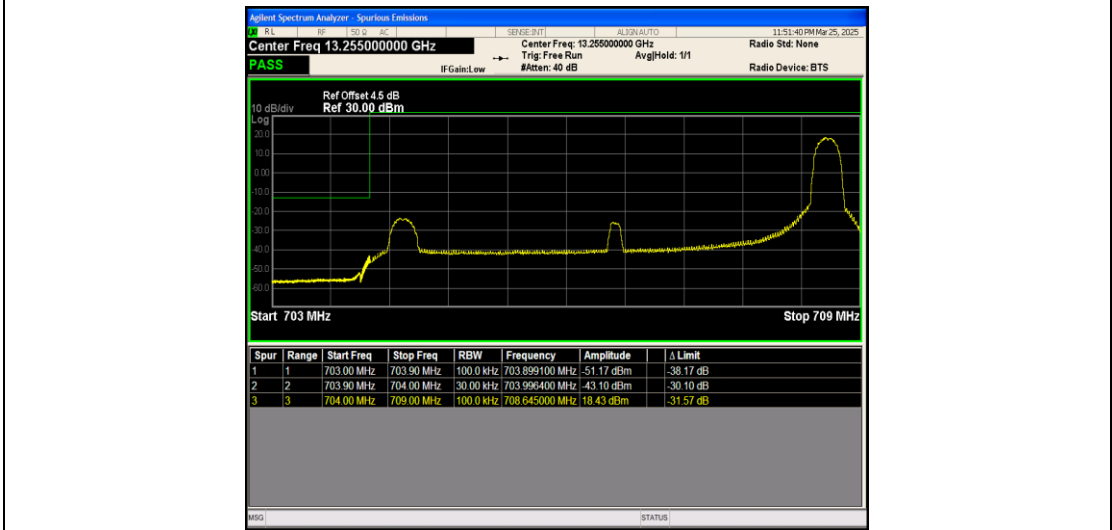
Test Graphs



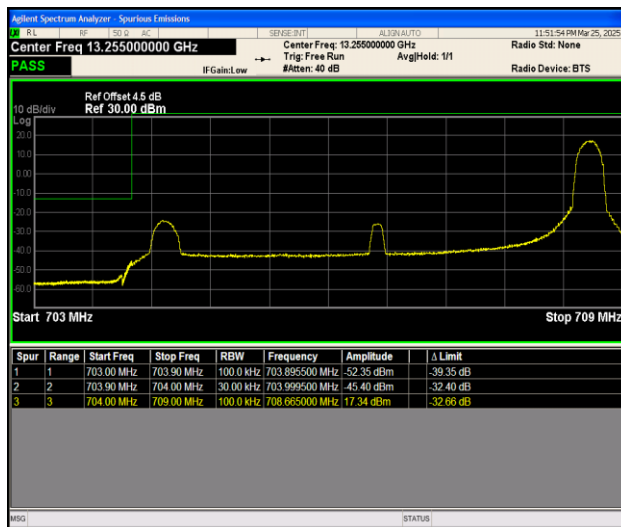
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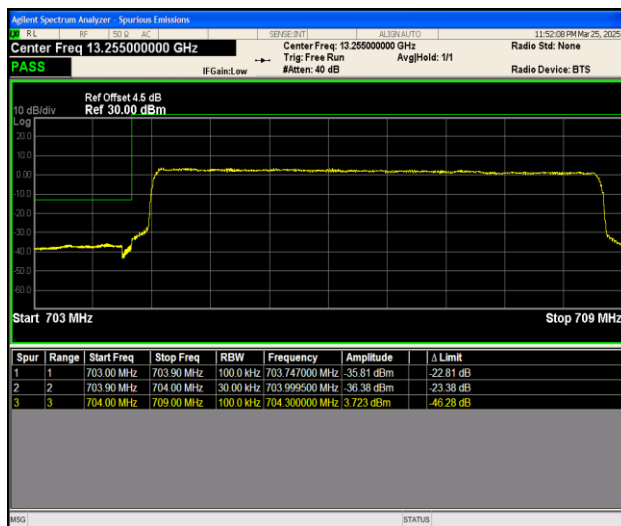
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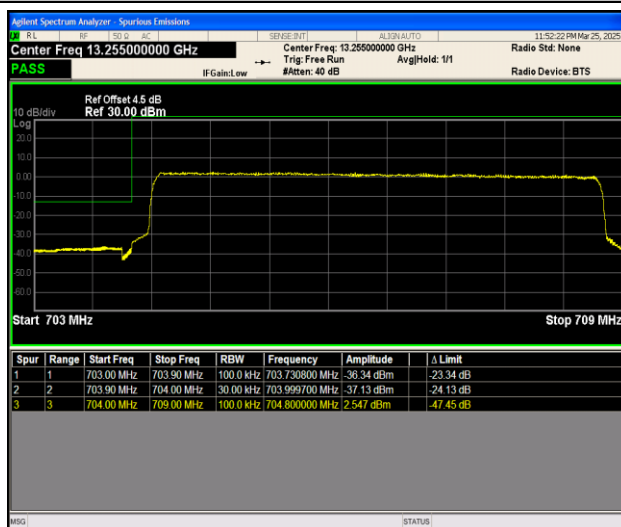
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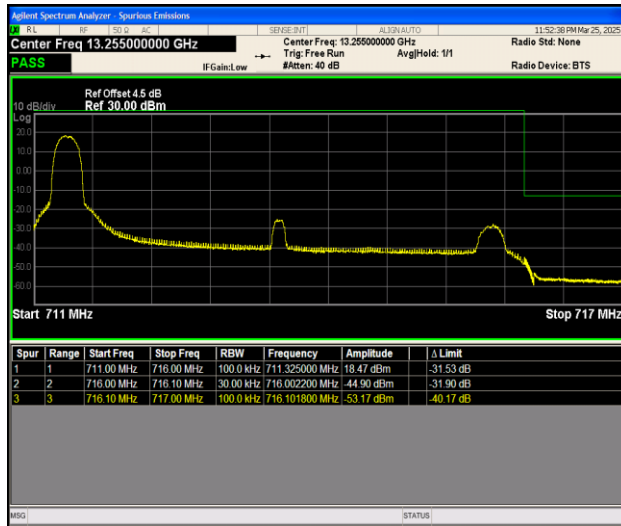
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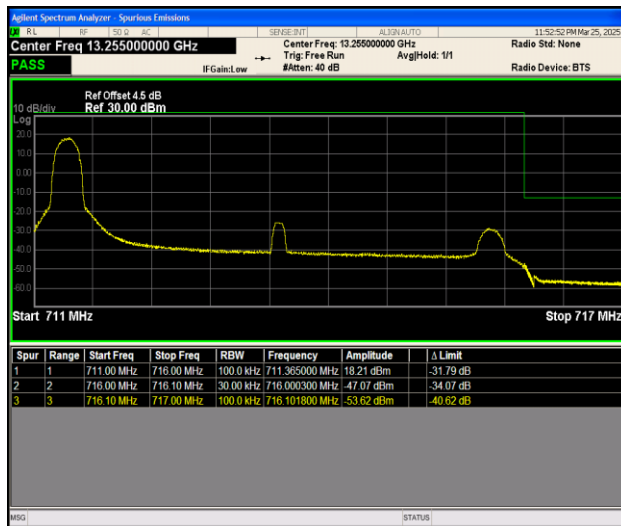
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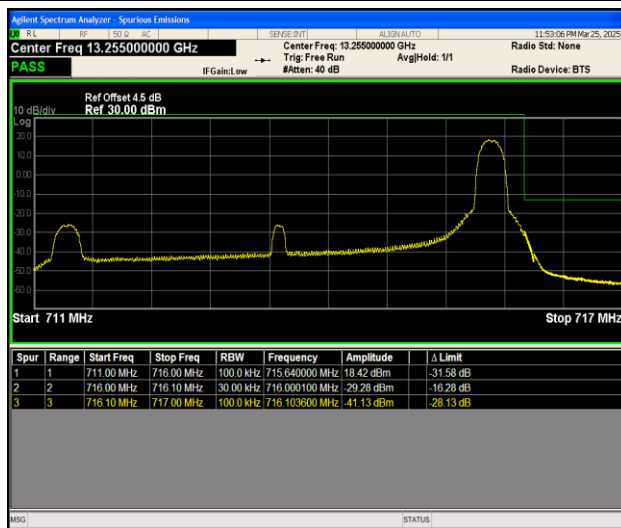
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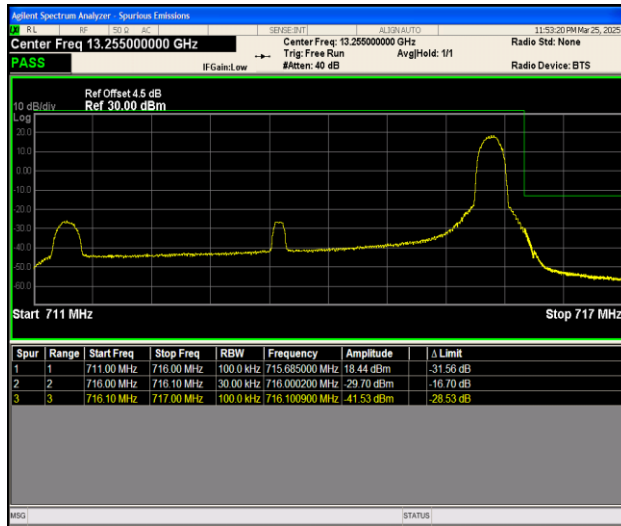
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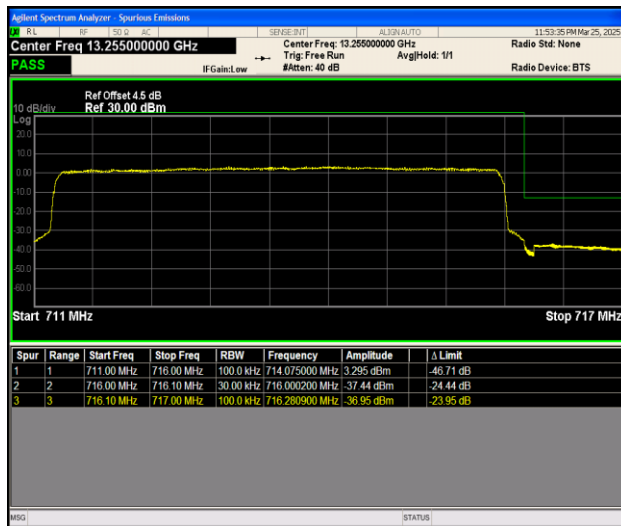
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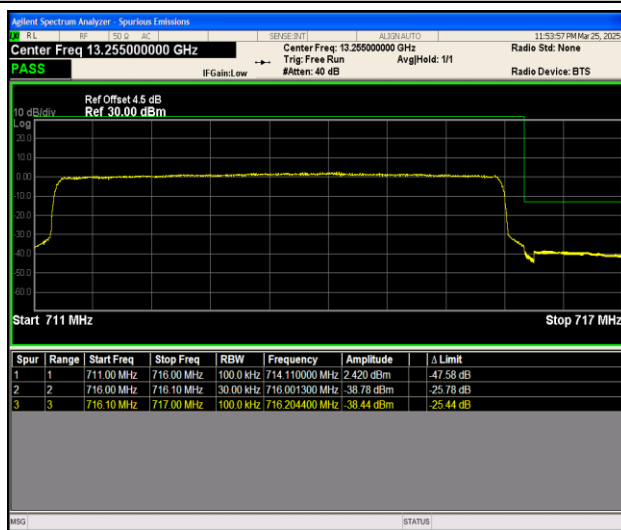
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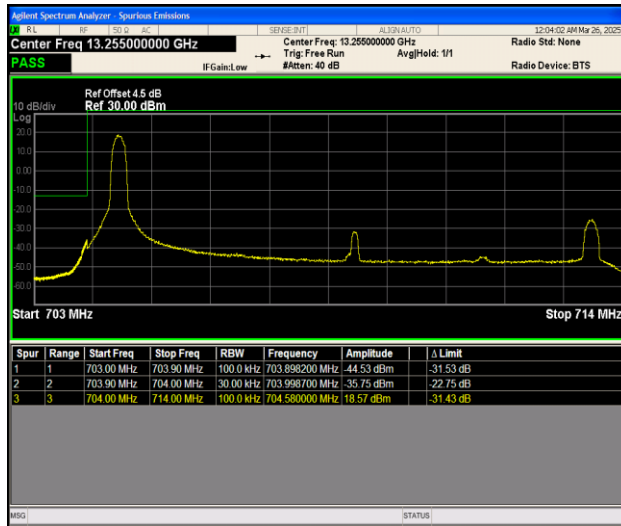
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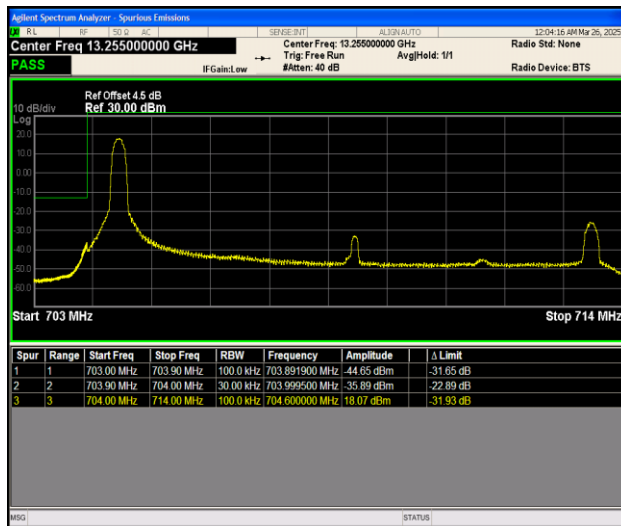
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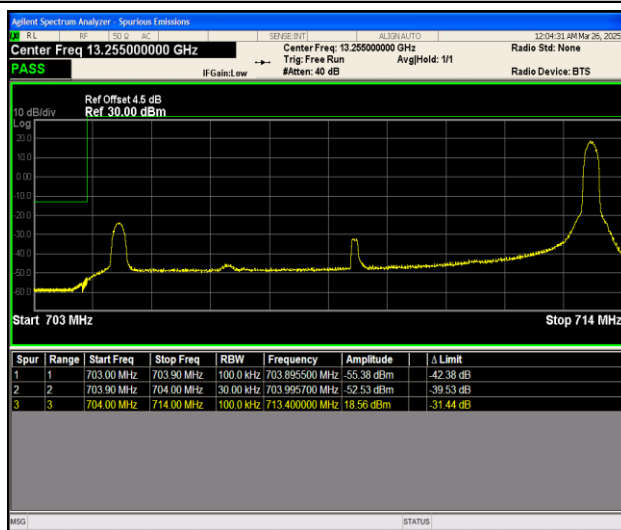
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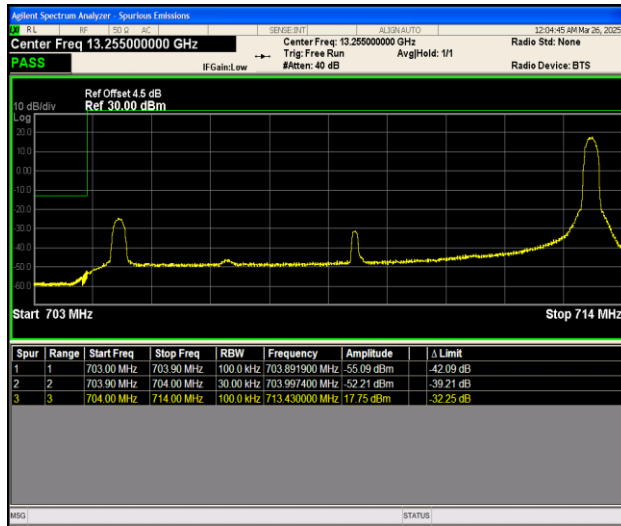
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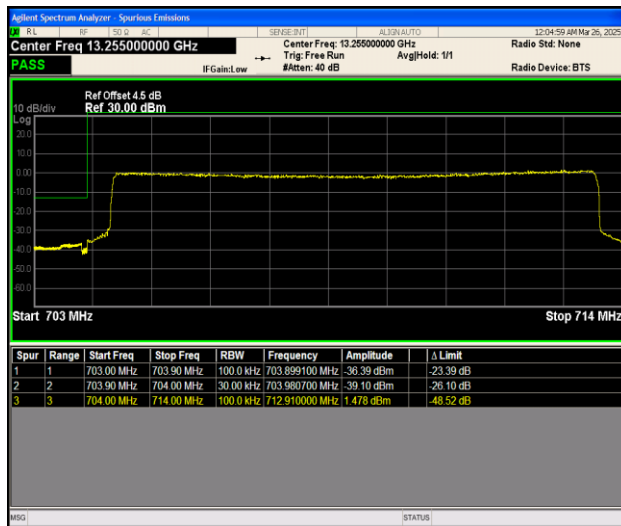
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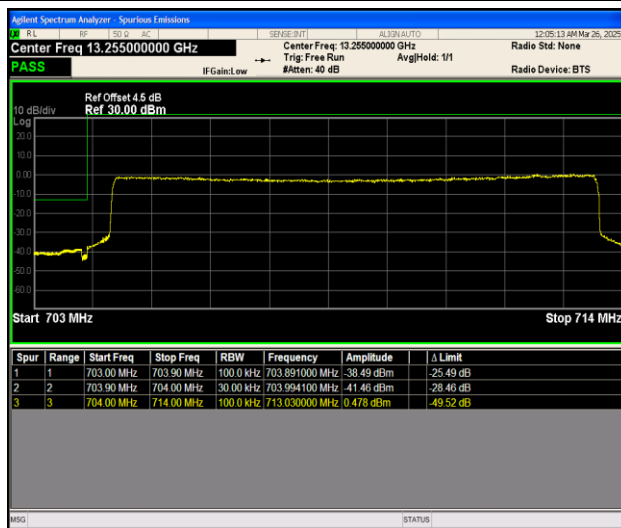
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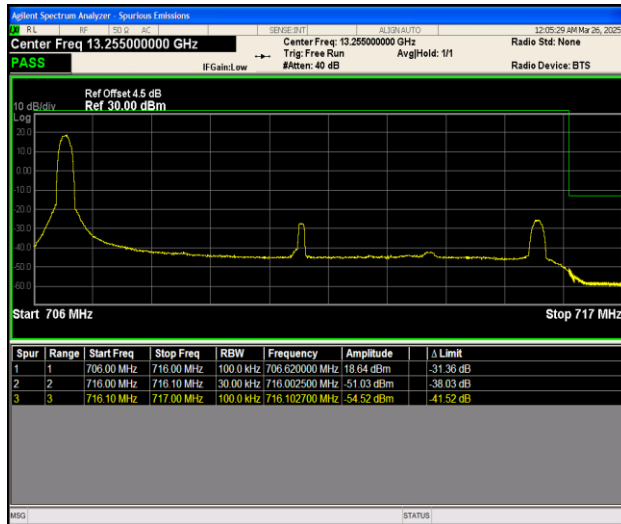
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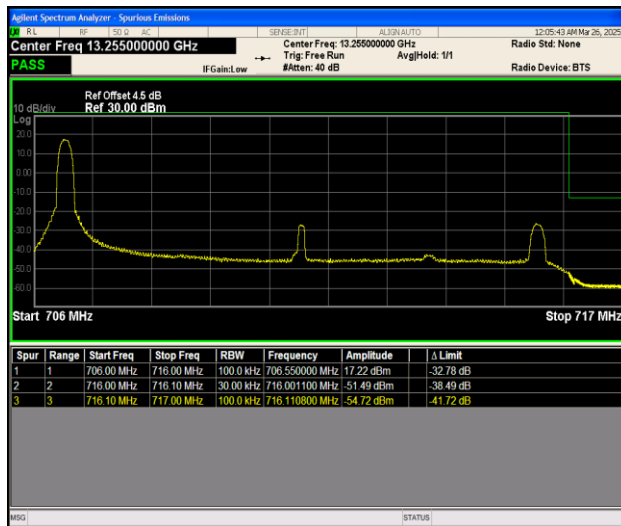
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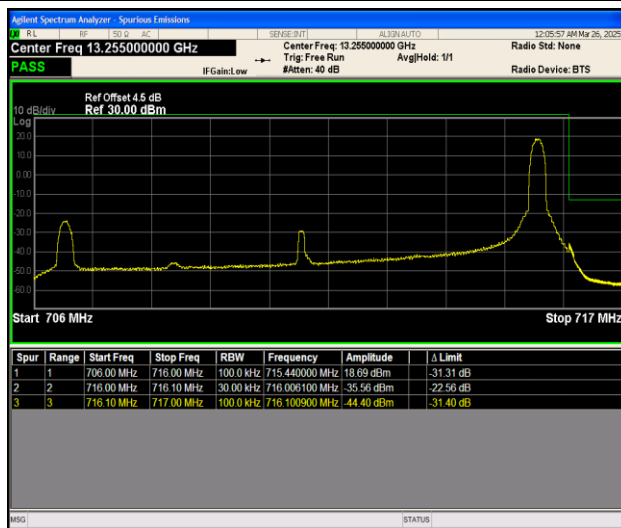
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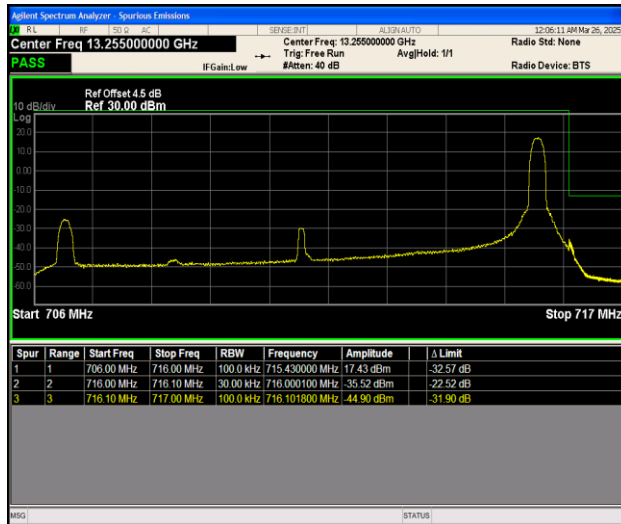
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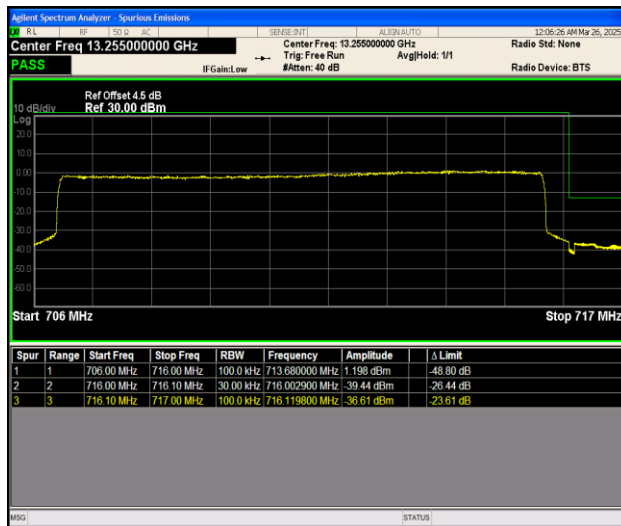
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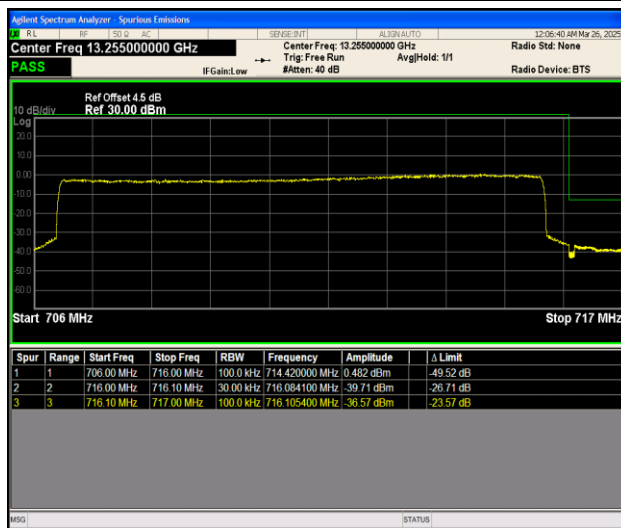
Band17_10MHz_QPSK_23800_1RB#49



Band17_10MHz_16QAM_23800_1RB#49



Band17_10MHz_QPSK_23800_50RB#0



Band17_10MHz_16QAM_23800_50RB#0