

## **Appendix for Band 17**

Product Name: LTE Module

Model No: Global-7243A4x4CB

## Appendix A: Average Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	20.98	PASS
Band17	5MHz	QPSK	23755	1RB#12	20.76	PASS
Band17	5MHz	QPSK	23755	1RB#24	20.94	PASS
Band17	5MHz	QPSK	23755	12RB#0	20.85	PASS
Band17	5MHz	QPSK	23755	12RB#6	20.72	PASS
Band17	5MHz	QPSK	23755	12RB#13	20.50	PASS
Band17	5MHz	QPSK	23755	25RB#0	20.69	PASS
Band17	5MHz	QPSK	23790	1RB#0	20.64	PASS
Band17	5MHz	QPSK	23790	1RB#12	20.82	PASS
Band17	5MHz	QPSK	23790	1RB#24	20.81	PASS
Band17	5MHz	QPSK	23790	12RB#0	20.62	PASS
Band17	5MHz	QPSK	23790	12RB#6	20.61	PASS
Band17	5MHz	QPSK	23790	12RB#13	20.31	PASS
Band17	5MHz	QPSK	23790	25RB#0	20.42	PASS
Band17	5MHz	QPSK	23825	1RB#0	20.55	PASS
Band17	5MHz	QPSK	23825	1RB#12	20.86	PASS
Band17	5MHz	QPSK	23825	1RB#24	20.86	PASS
Band17	5MHz	QPSK	23825	12RB#0	20.48	PASS
Band17	5MHz	QPSK	23825	12RB#6	20.46	PASS
Band17	5MHz	QPSK	23825	12RB#13	20.46	PASS
Band17	5MHz	QPSK	23825	25RB#0	20.64	PASS
Band17	5MHz	16QAM	23755	1RB#0	20.84	PASS
Band17	5MHz	16QAM	23755	1RB#12	20.76	PASS
Band17	5MHz	16QAM	23755	1RB#24	20.59	PASS
Band17	5MHz	16QAM	23755	12RB#0	20.63	PASS
Band17	5MHz	16QAM	23755	12RB#6	20.62	PASS
Band17	5MHz	16QAM	23755	12RB#13	20.58	PASS
Band17	5MHz	16QAM	23755	25RB#0	20.62	PASS
Band17	5MHz	16QAM	23790	1RB#0	20.52	PASS
Band17	5MHz	16QAM	23790	1RB#12	20.80	PASS
Band17	5MHz	16QAM	23790	1RB#24	20.71	PASS

Band17	5MHz	16QAM	23790	12RB#0	20.87	PASS
Band17	5MHz	16QAM	23790	12RB#6	20.86	PASS
Band17	5MHz	16QAM	23790	12RB#13	20.59	PASS
Band17	5MHz	16QAM	23790	25RB#0	20.62	PASS
Band17	5MHz	16QAM	23825	1RB#0	20.83	PASS
Band17	5MHz	16QAM	23825	1RB#12	20.87	PASS
Band17	5MHz	16QAM	23825	1RB#24	20.86	PASS
Band17	5MHz	16QAM	23825	12RB#0	20.55	PASS
Band17	5MHz	16QAM	23825	12RB#6	20.43	PASS
Band17	5MHz	16QAM	23825	12RB#13	20.59	PASS
Band17	5MHz	16QAM	23825	25RB#0	20.80	PASS
Band17	10MHz	QPSK	23780	1RB#0	20.57	PASS
Band17	10MHz	QPSK	23780	1RB#24	20.49	PASS
Band17	10MHz	QPSK	23780	1RB#49	21.44	PASS
Band17	10MHz	QPSK	23780	25RB#0	20.78	PASS
Band17	10MHz	QPSK	23780	25RB#12	20.79	PASS
Band17	10MHz	QPSK	23780	25RB#25	20.54	PASS
Band17	10MHz	QPSK	23780	50RB#0	20.79	PASS
Band17	10MHz	QPSK	23790	1RB#0	20.69	PASS
Band17	10MHz	QPSK	23790	1RB#24	20.95	PASS
Band17	10MHz	QPSK	23790	1RB#49	21.17	PASS
Band17	10MHz	QPSK	23790	25RB#0	20.58	PASS
Band17	10MHz	QPSK	23790	25RB#12	20.58	PASS
Band17	10MHz	QPSK	23790	25RB#25	20.81	PASS
Band17	10MHz	QPSK	23790	50RB#0	20.86	PASS
Band17	10MHz	QPSK	23800	1RB#0	20.85	PASS
Band17	10MHz	QPSK	23800	1RB#24	20.55	PASS
Band17	10MHz	QPSK	23800	1RB#49	20.45	PASS
Band17	10MHz	QPSK	23800	25RB#0	20.43	PASS
Band17	10MHz	QPSK	23800	25RB#12	20.43	PASS
Band17	10MHz	QPSK	23800	25RB#25	20.76	PASS
Band17	10MHz	QPSK	23800	50RB#0	20.79	PASS
Band17	10MHz	16QAM	23780	1RB#0	20.40	PASS
Band17	10MHz	16QAM	23780	1RB#24	20.62	PASS
Band17	10MHz	16QAM	23780	1RB#49	20.45	PASS
Band17	10MHz	16QAM	23780	25RB#0	20.51	PASS
Band17	10MHz	16QAM	23780	25RB#12	20.51	PASS

Band17	10MHz	16QAM	23780	25RB#25	20.38	PASS
Band17	10MHz	16QAM	23780	50RB#0	20.60	PASS
Band17	10MHz	16QAM	23790	1RB#0	20.76	PASS
Band17	10MHz	16QAM	23790	1RB#24	20.81	PASS
Band17	10MHz	16QAM	23790	1RB#49	20.85	PASS
Band17	10MHz	16QAM	23790	25RB#0	20.68	PASS
Band17	10MHz	16QAM	23790	25RB#12	20.69	PASS
Band17	10MHz	16QAM	23790	25RB#25	20.67	PASS
Band17	10MHz	16QAM	23790	50RB#0	20.82	PASS
Band17	10MHz	16QAM	23800	1RB#0	20.95	PASS
Band17	10MHz	16QAM	23800	1RB#24	20.63	PASS
Band17	10MHz	16QAM	23800	1RB#49	20.46	PASS
Band17	10MHz	16QAM	23800	25RB#0	20.61	PASS
Band17	10MHz	16QAM	23800	25RB#12	20.61	PASS
Band17	10MHz	16QAM	23800	25RB#25	20.95	PASS
Band17	10MHz	16QAM	23800	50RB#0	20.64	PASS

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

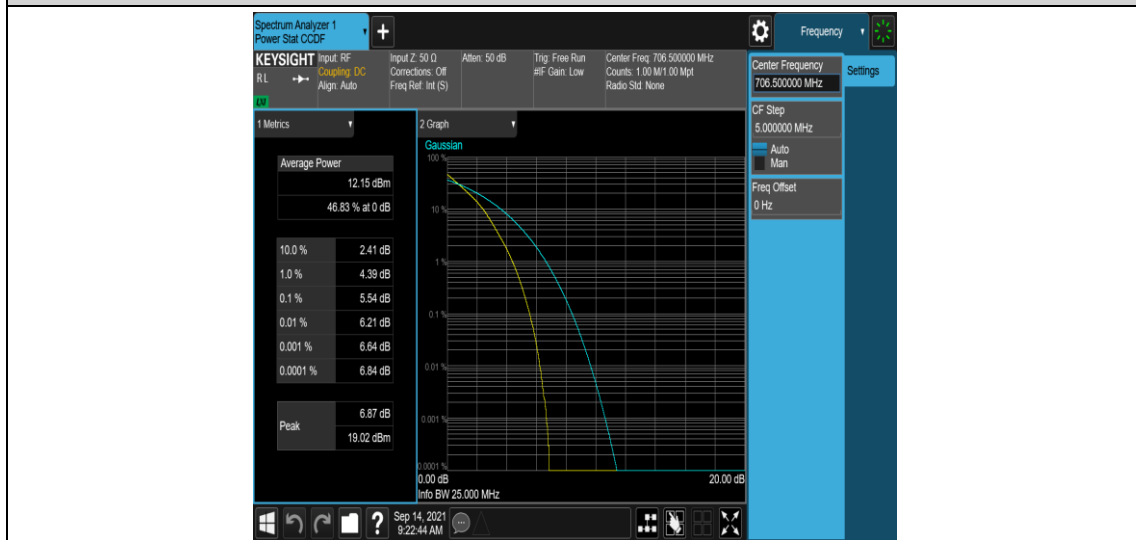
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	5.75	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.54	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	5.52	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.53	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	5.53	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.31	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.96	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.00	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.96	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.97	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.93	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.11	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	5.50	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.76	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	5.49	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.76	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	5.23	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.67	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	6.44	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.35	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	6.29	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.23	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.89	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.30	13	PASS

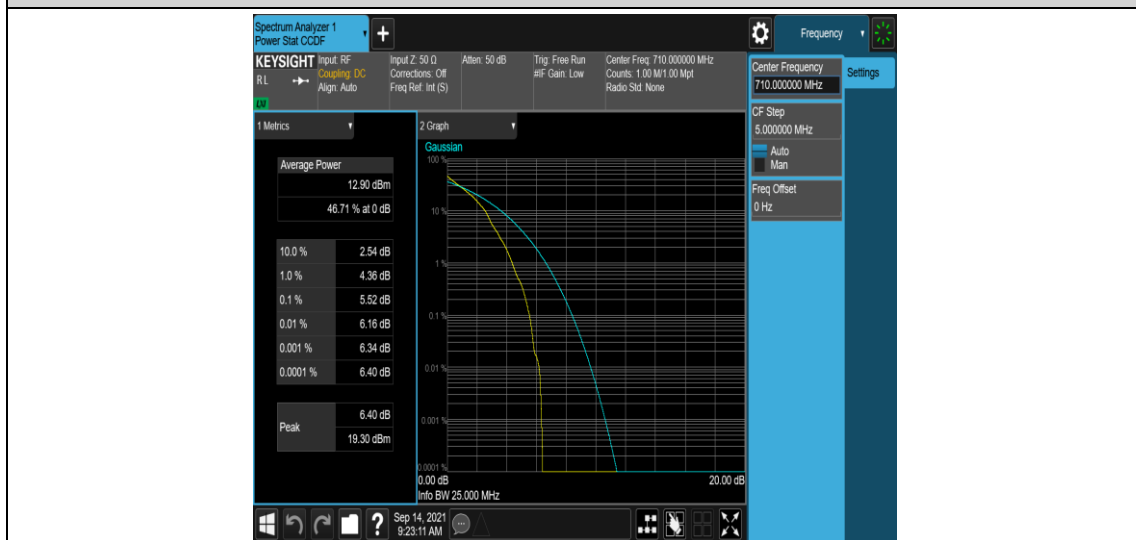
## Test Graphs

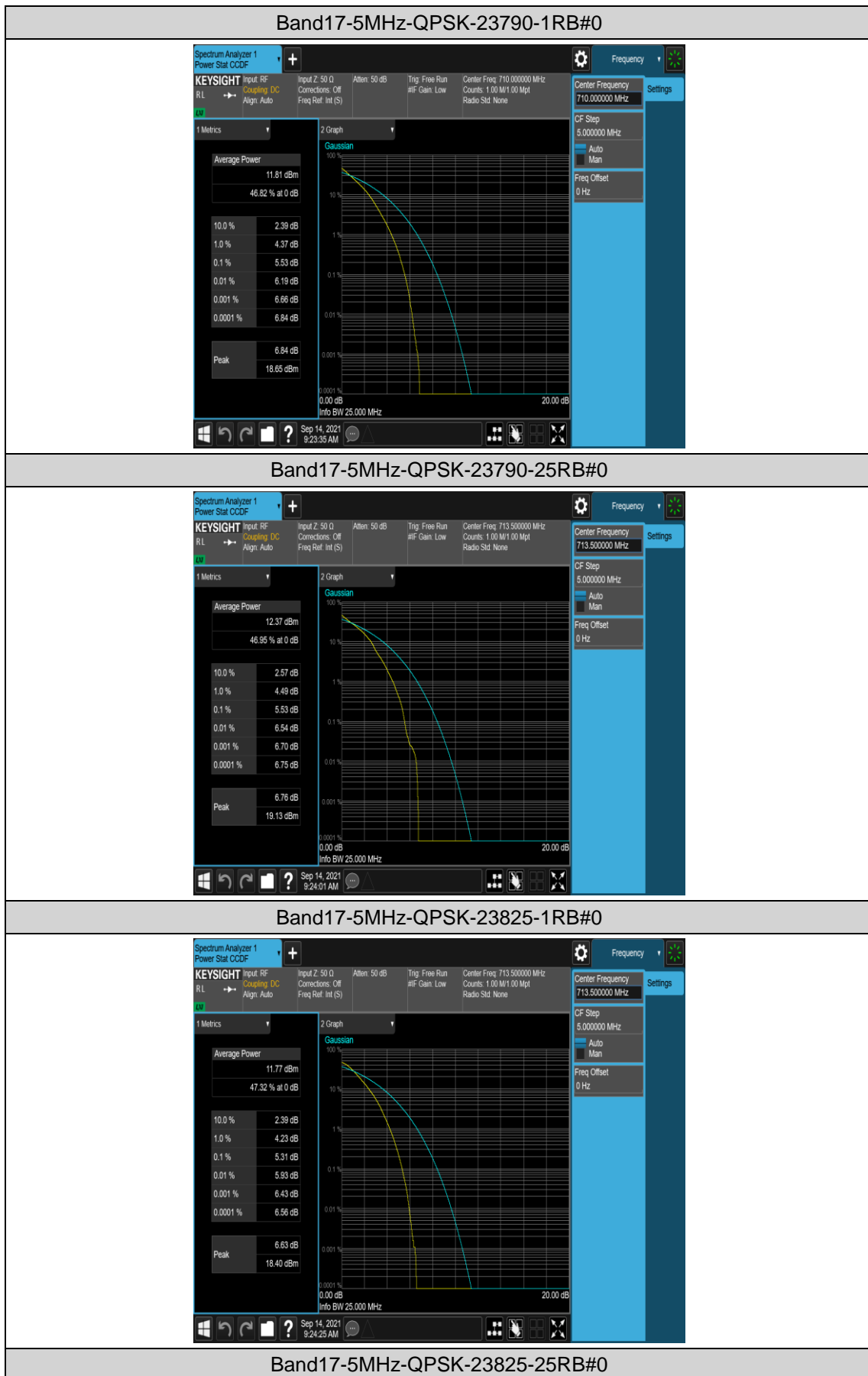


Band17-5MHz-QPSK-23755-1RB#0



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



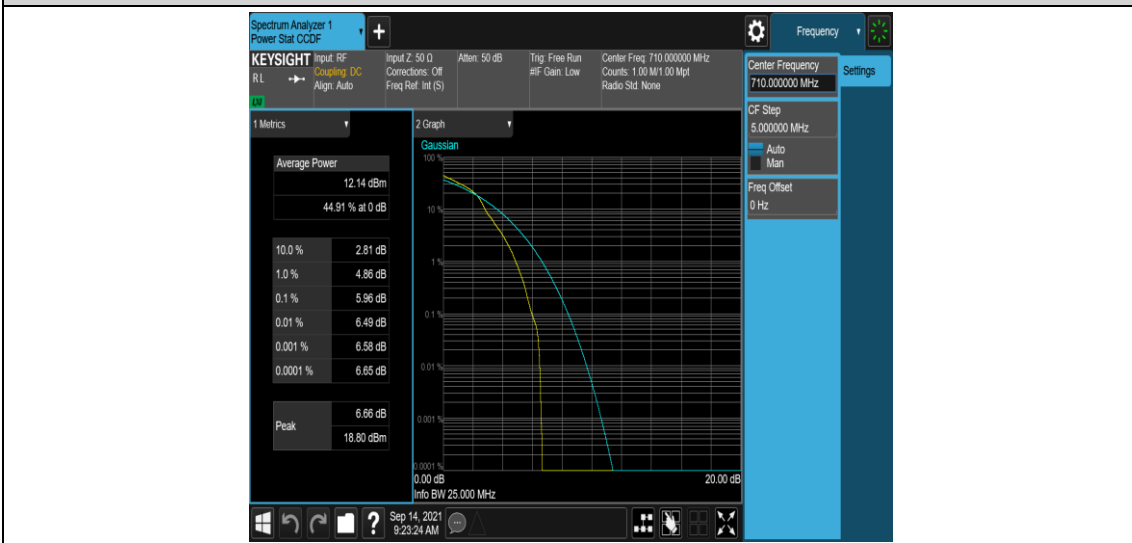




**Band17-5MHz-16QAM-23755-1RB#0**

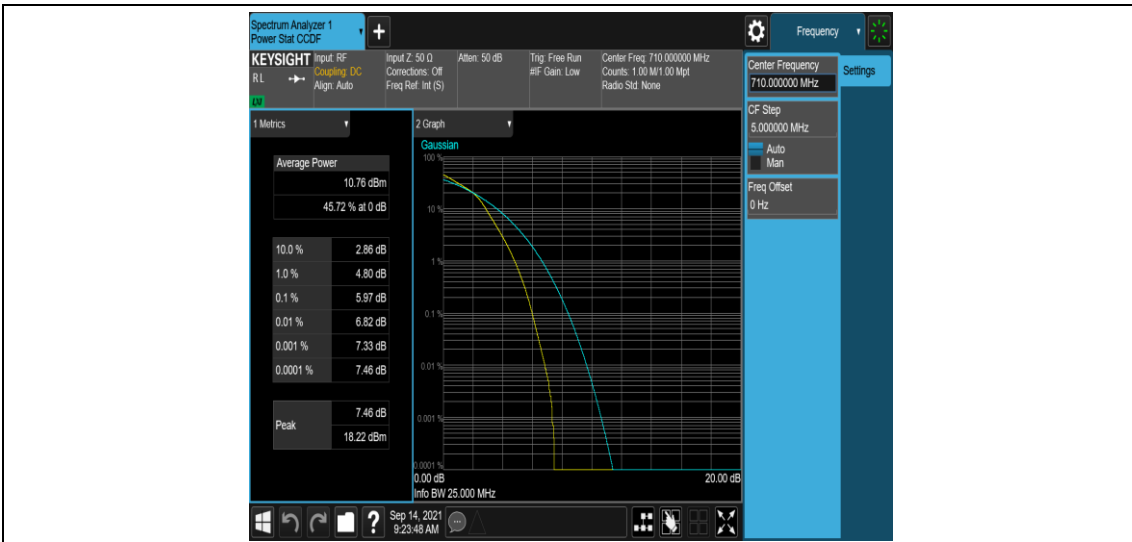


**Band17-5MHz-16QAM-23755-25RB#0**



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





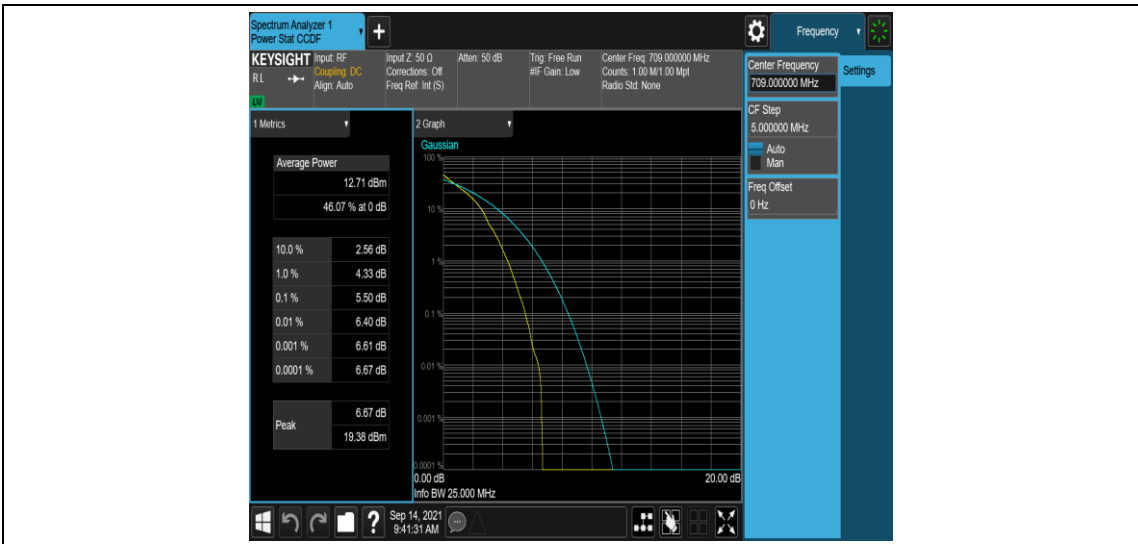
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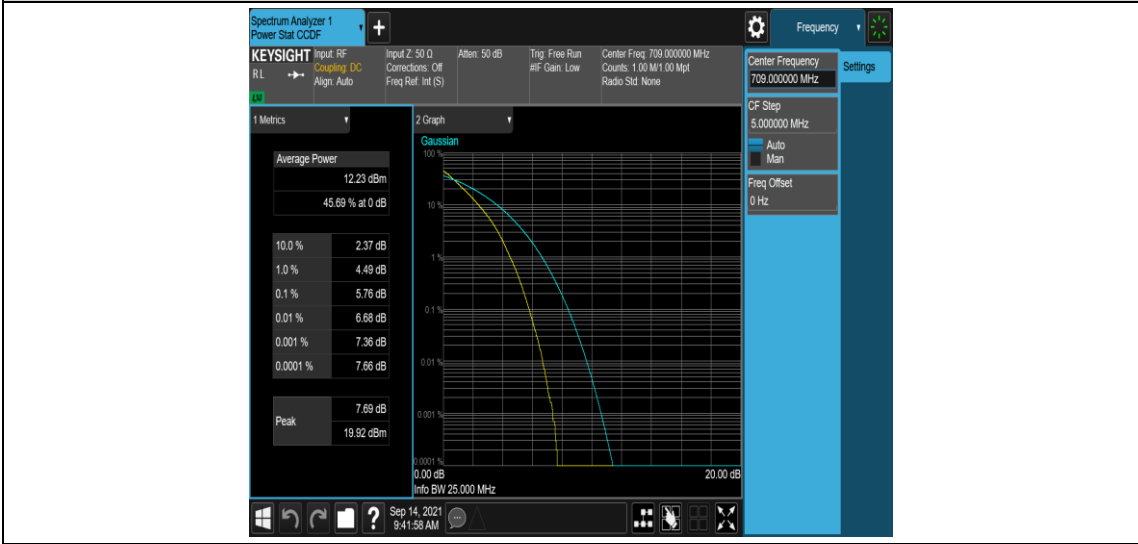
Band17-5MHz-16QAM-23825-1RB#0



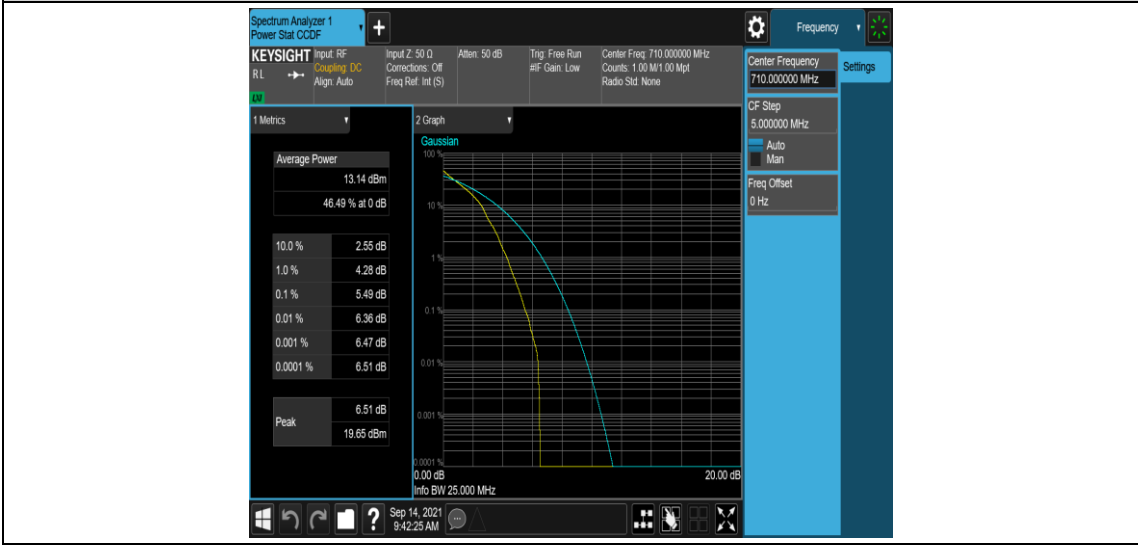
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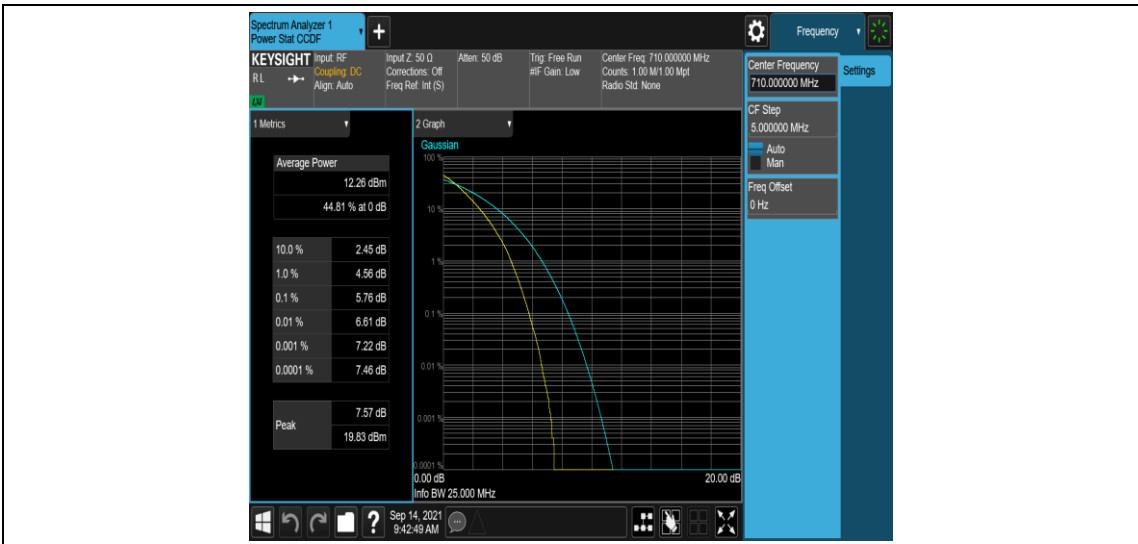
Band17-10MHz-QPSK-23780-1RB#0



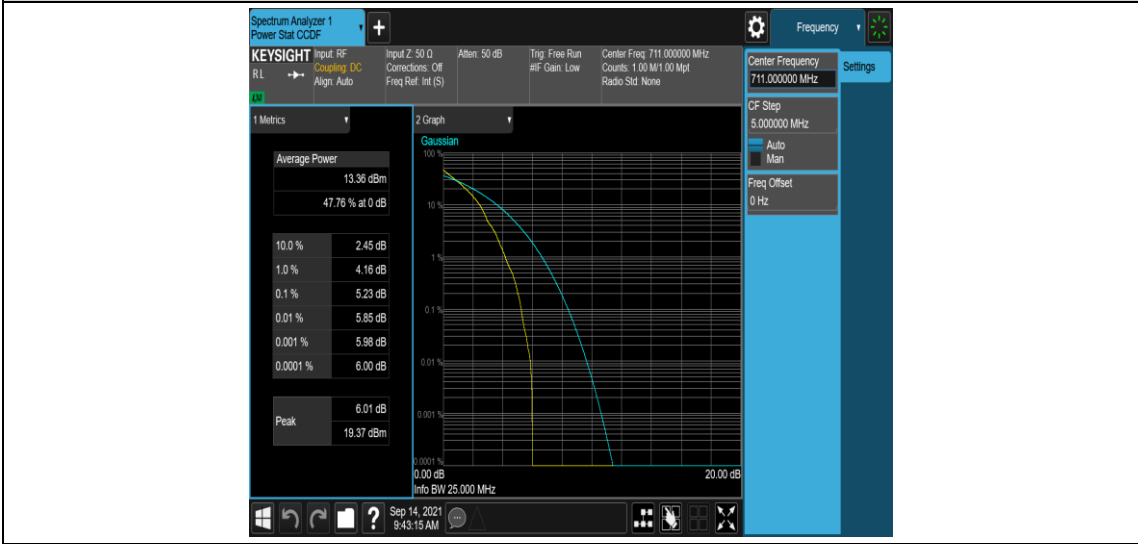
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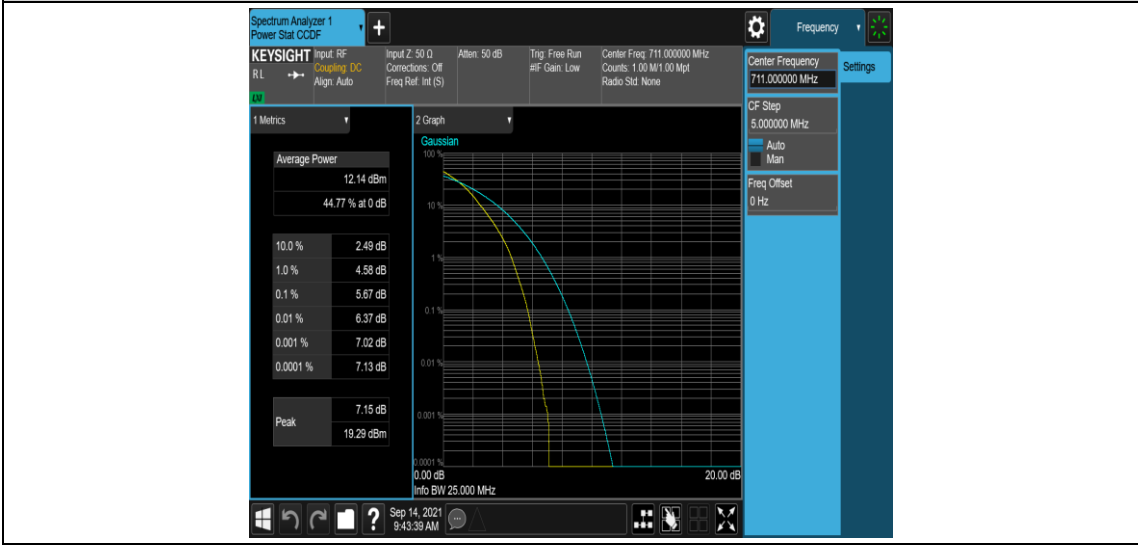
Band17-10MHz-QPSK-23790-1RB#0



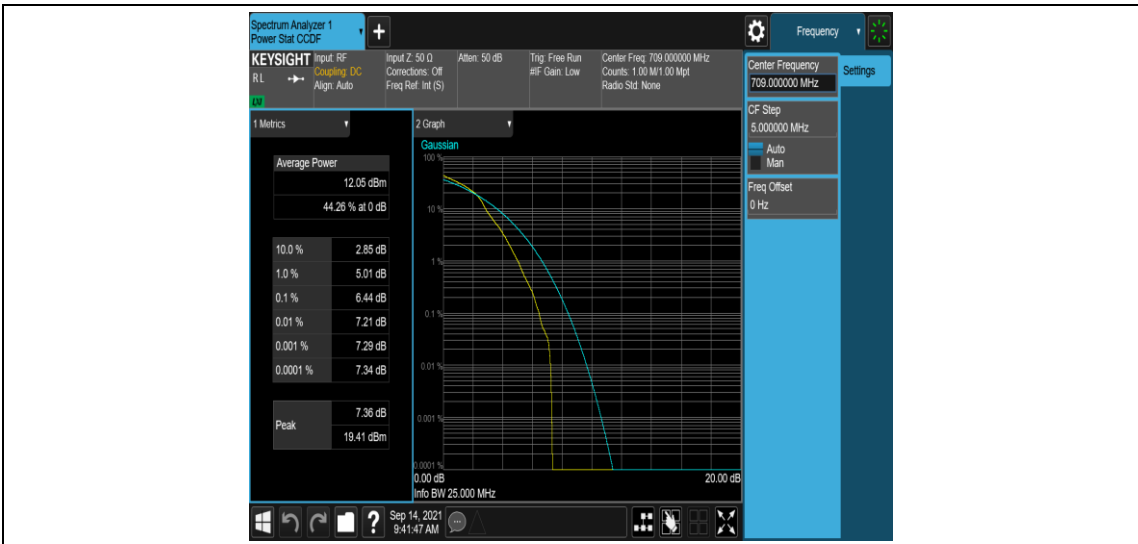
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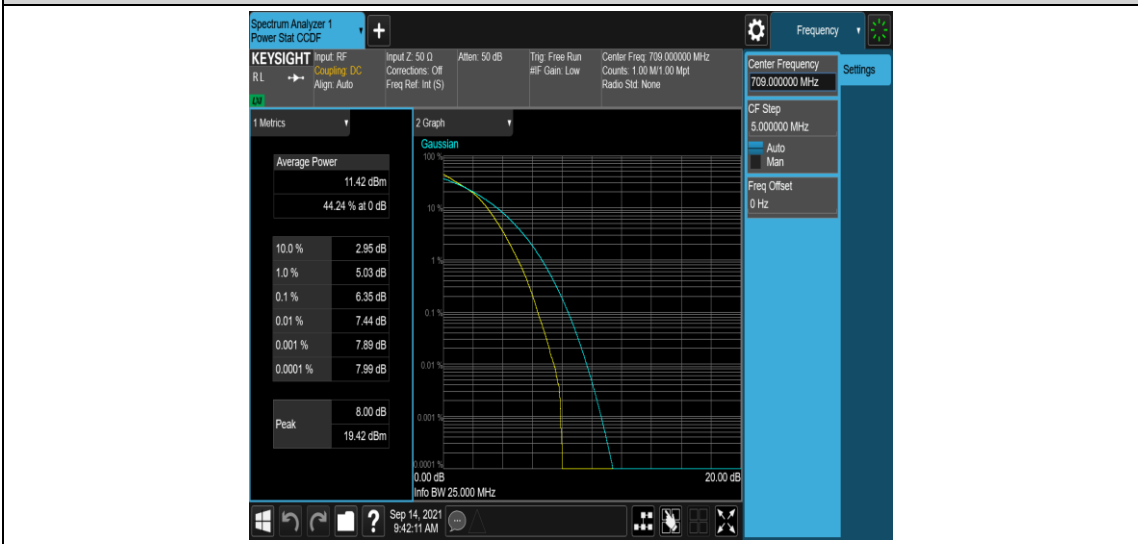
Band17-10MHz-QPSK-23800-1RB#0



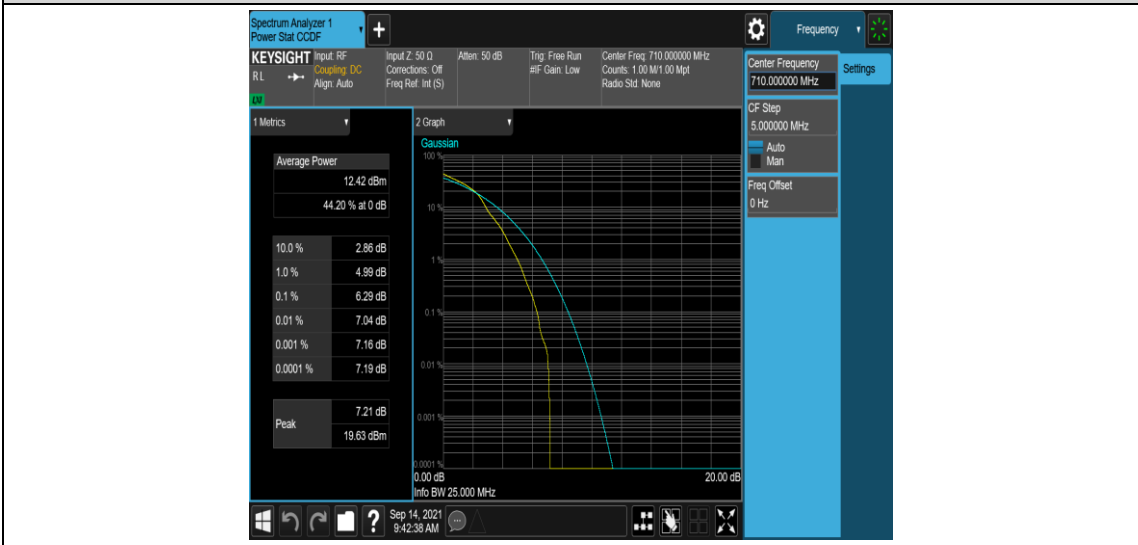
Band17-10MHz-QPSK-23800-50RB#0



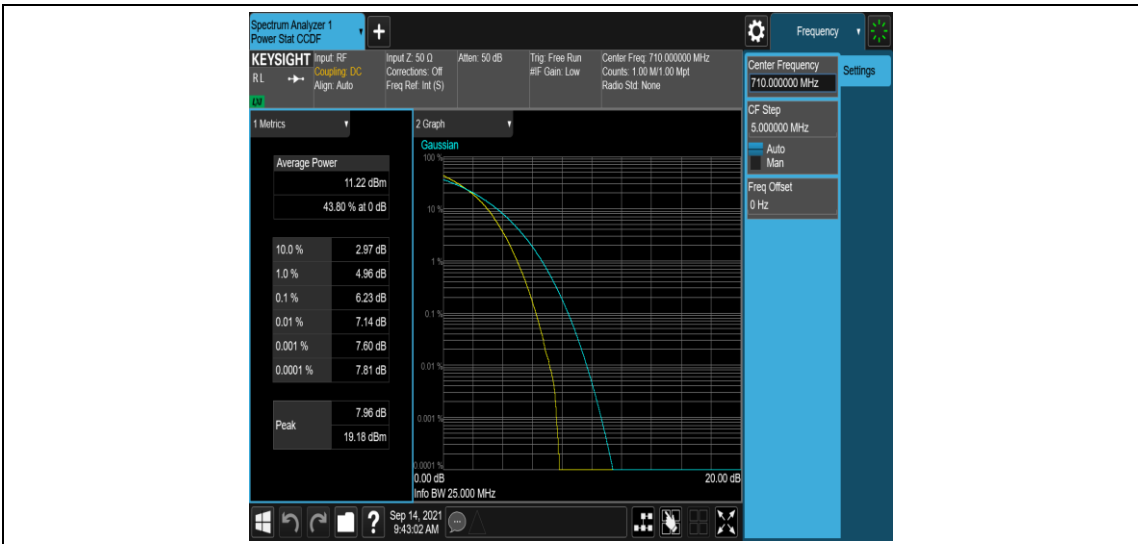
Band17-10MHz-16QAM-23780-1RB#0



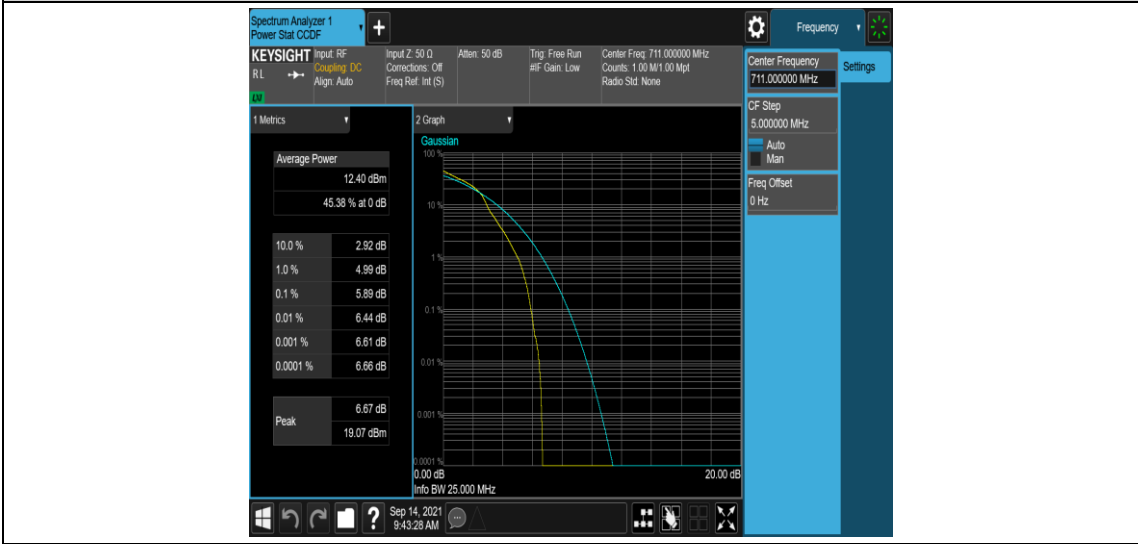
Band17-10MHz-16QAM-23780-50RB#0



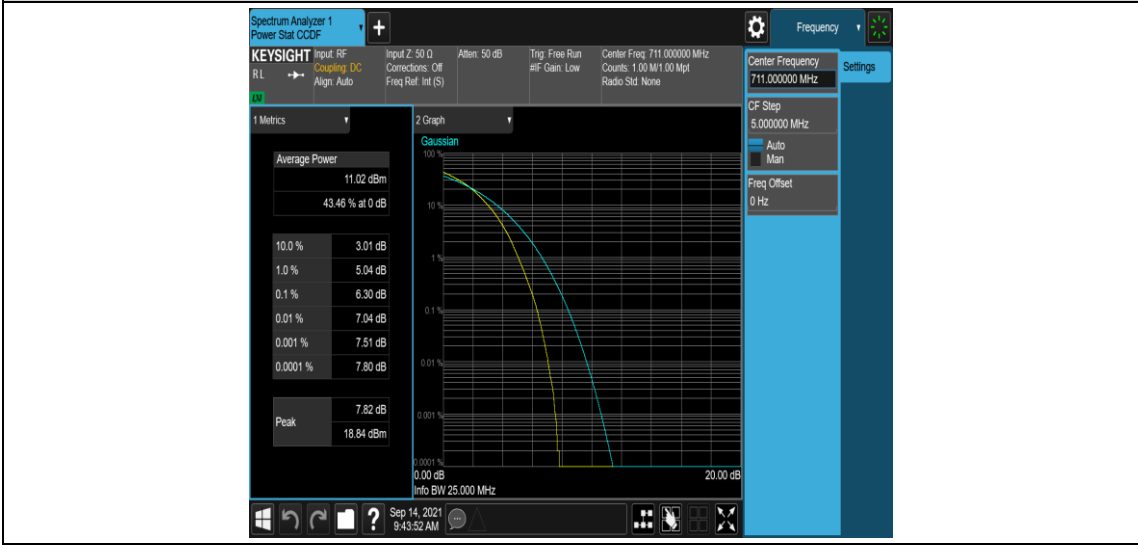
Band17-10MHz-16QAM-23790-1RB#0



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



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



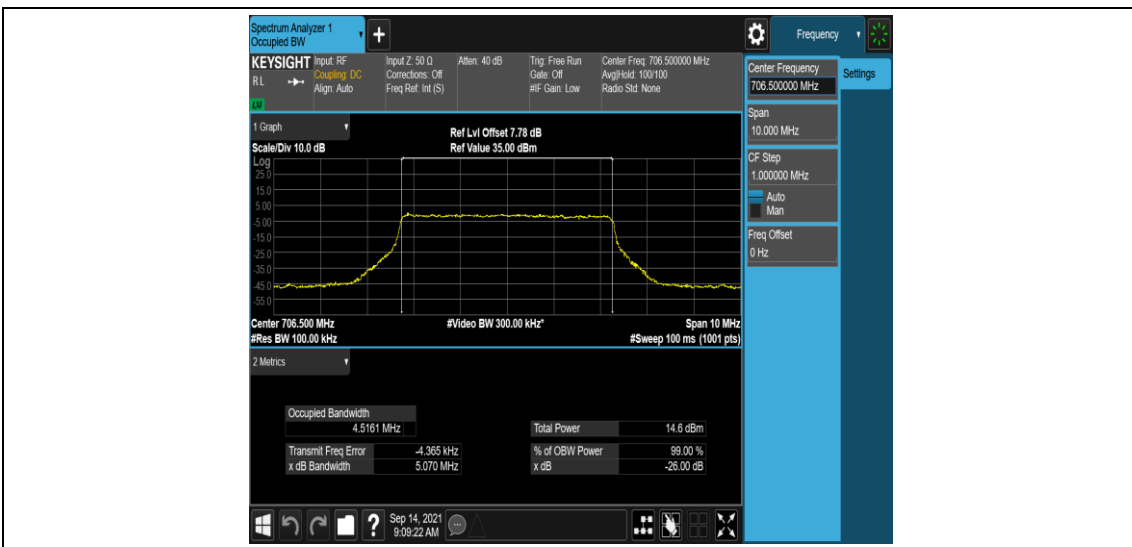
Band17-10MHz-16QAM-23800-50RB#0

## Appendix C: 26dB Bandwidth and Occupied Bandwidth

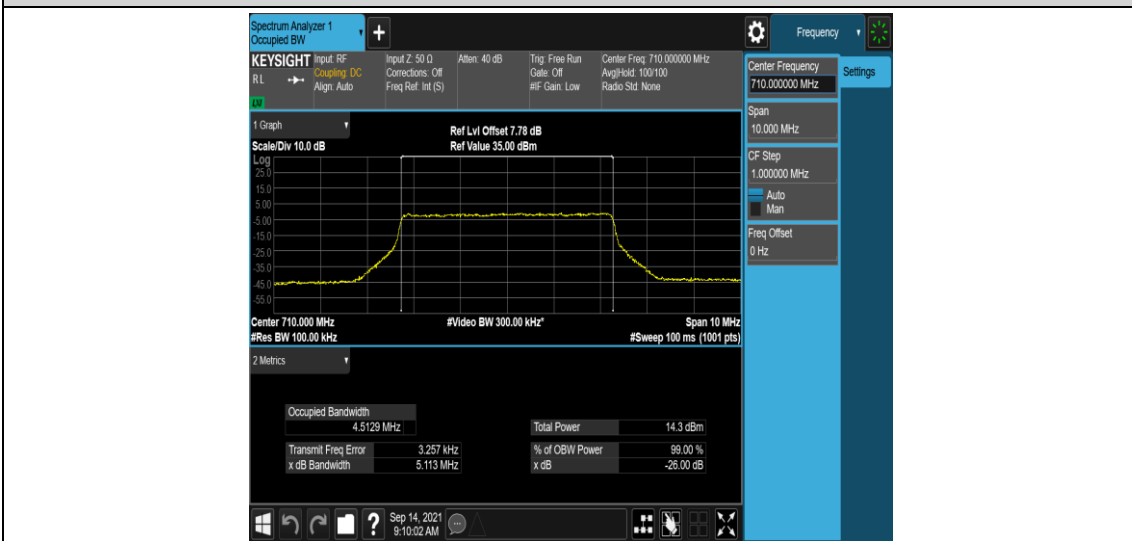
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5161	5.070	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5129	5.113	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4897	4.969	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5102	5.018	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5124	5.029	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4967	5.008	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.0167	9.605	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0039	9.565	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9902	9.553	PASS
Band17	10MHz	16QAM	23780	50RB#0	9.0034	9.619	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9984	9.544	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9971	9.535	PASS

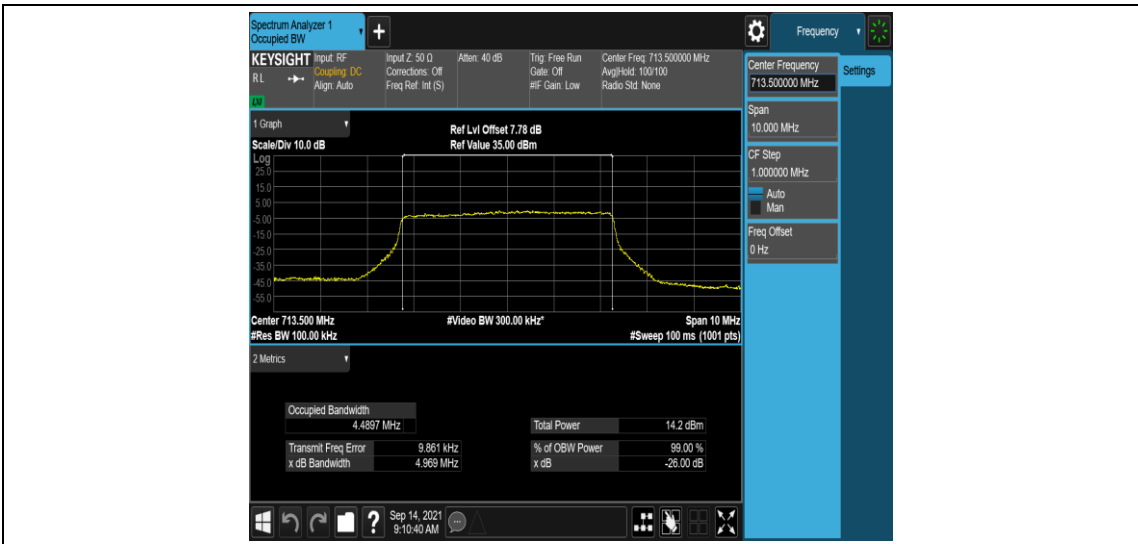
### Test Graphs



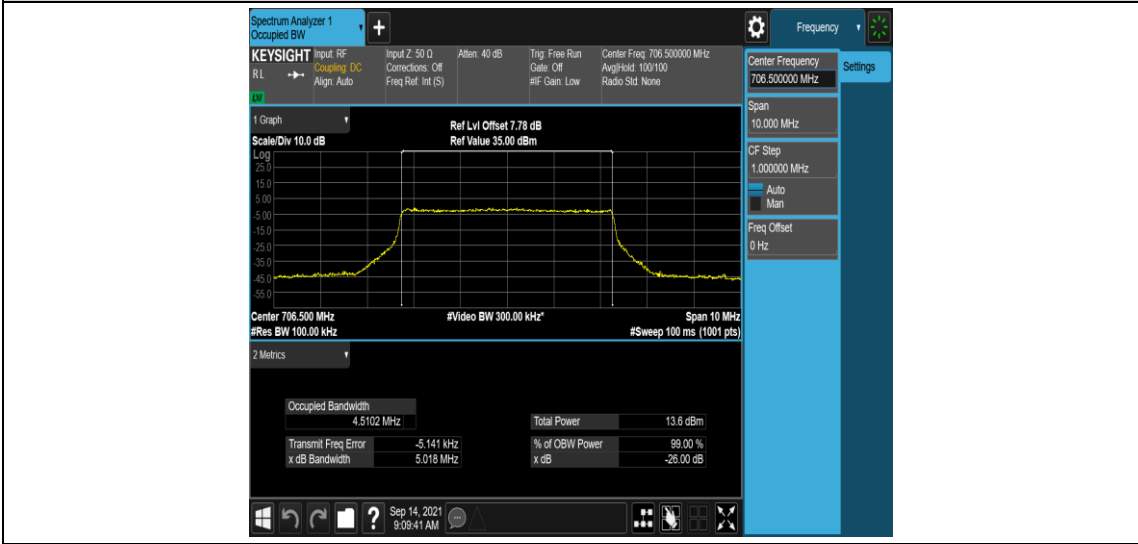
Band17-5MHz-QPSK-23755-25RB#0



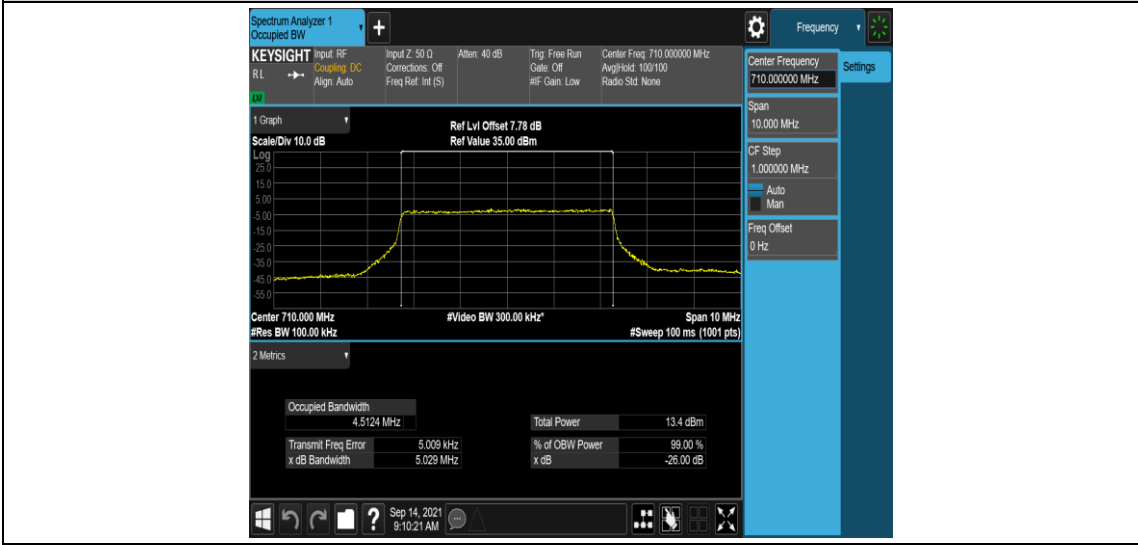
Band17-5MHz-QPSK-23790-25RB#0



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

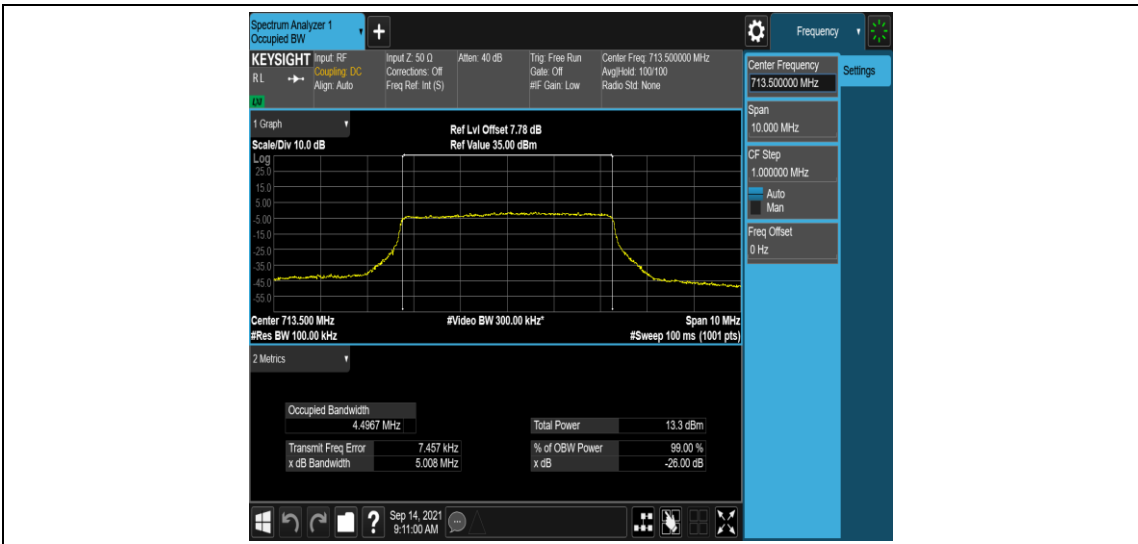


Band17-5MHz-16QAM-23755-25RB#0

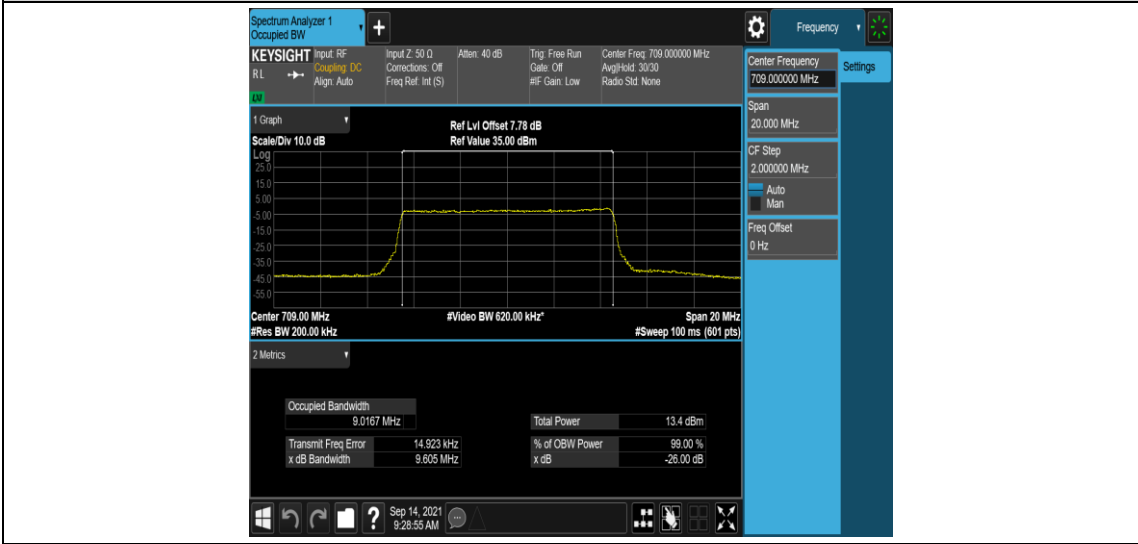


Band17-5MHz-16QAM-23790-25RB#0

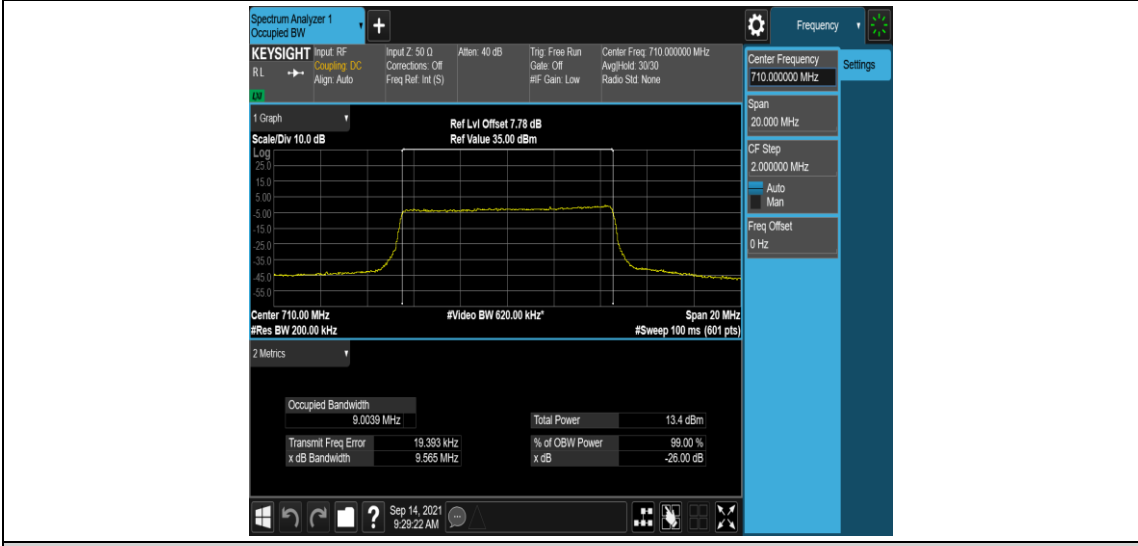




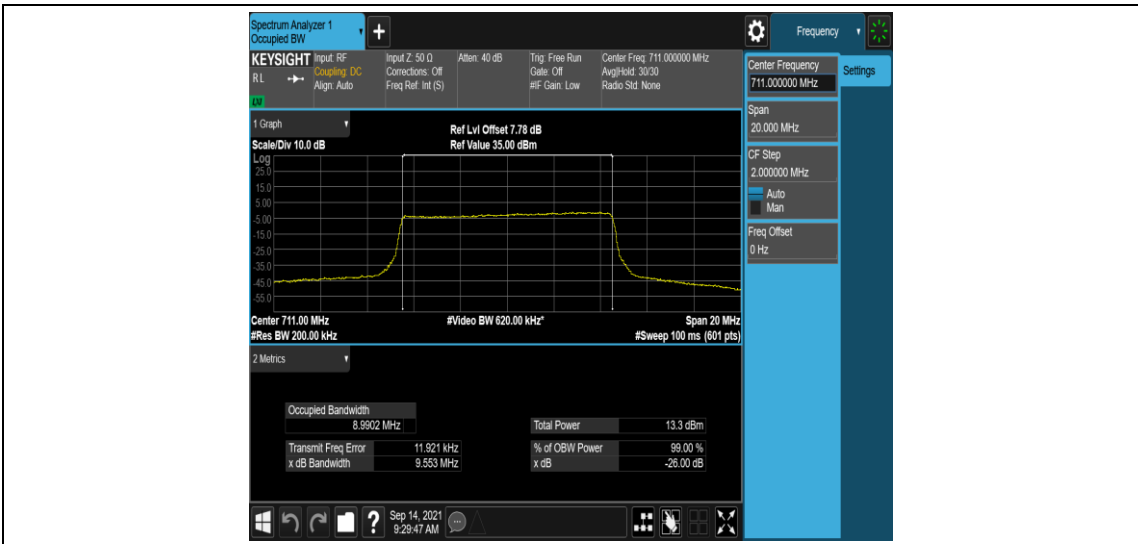
Band17-5MHz-16QAM-23825-25RB#0



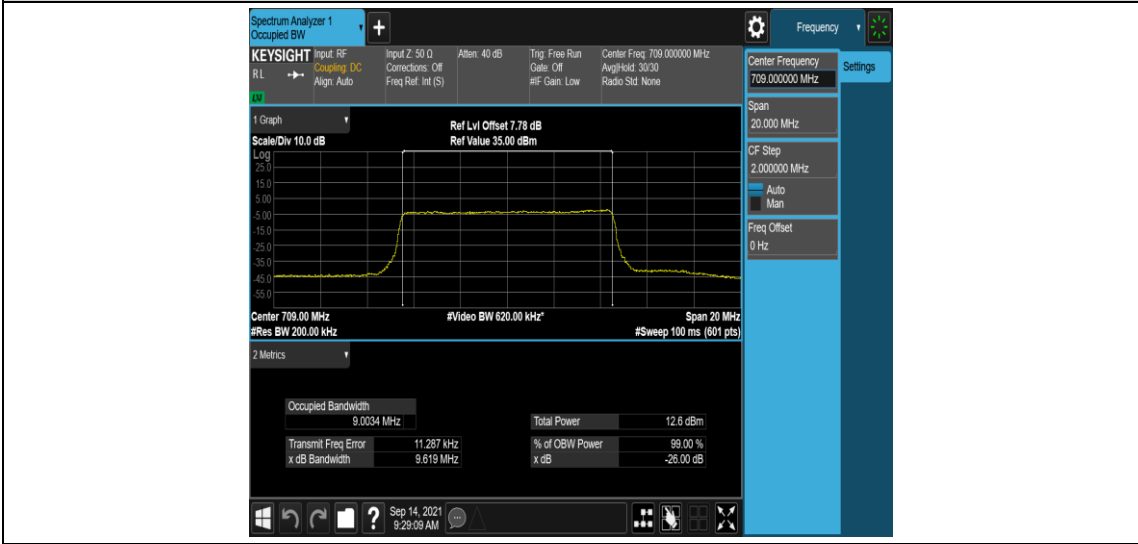
Band17-10MHz-QPSK-23780-50RB#0



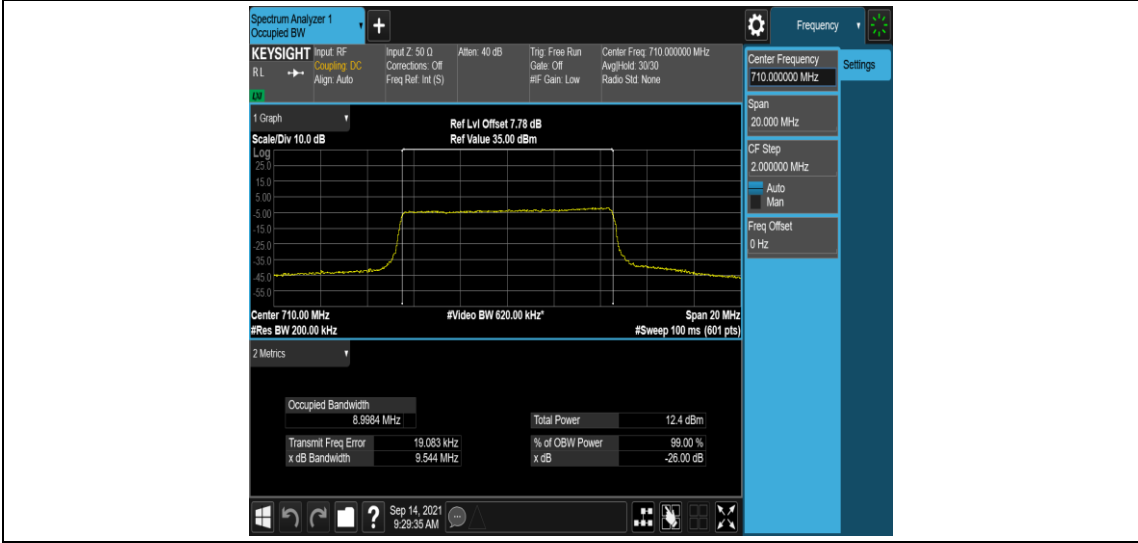
Band17-10MHz-QPSK-23790-50RB#0



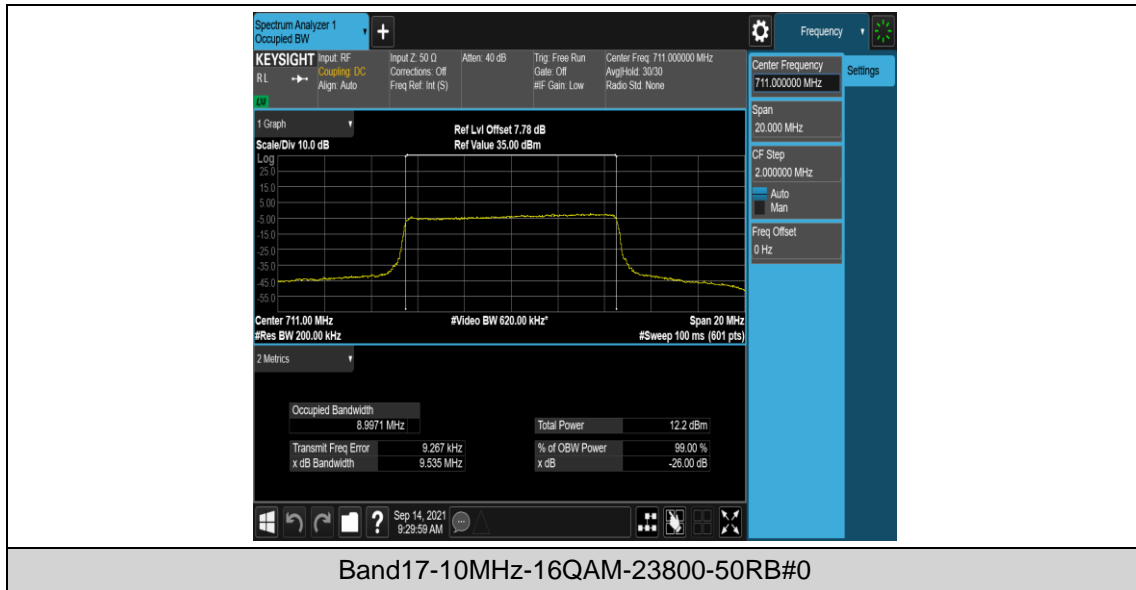
Band17-10MHz-QPSK-23800-50RB#0



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



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

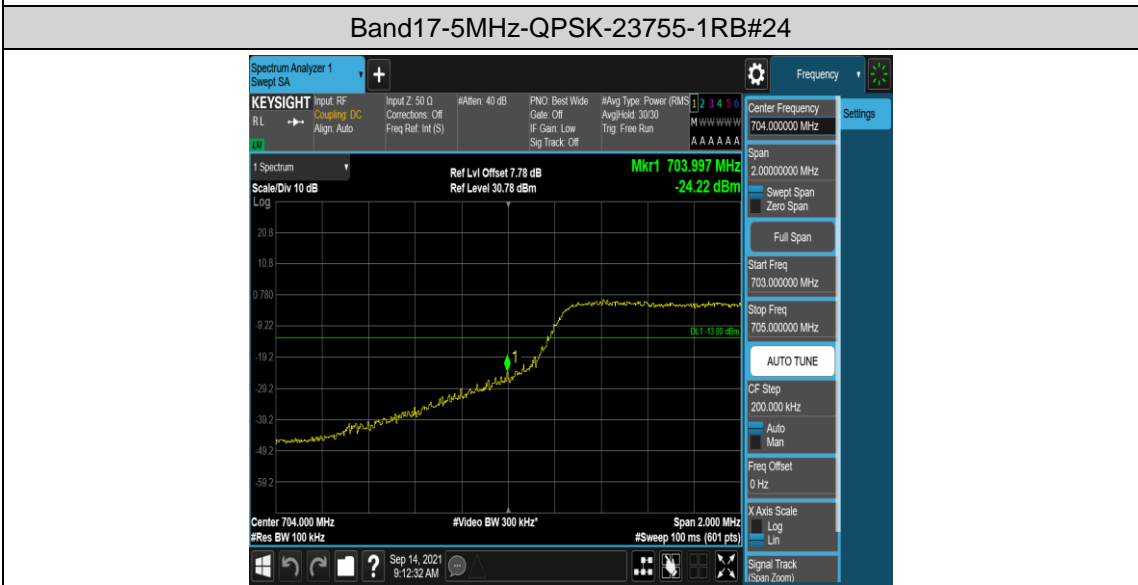
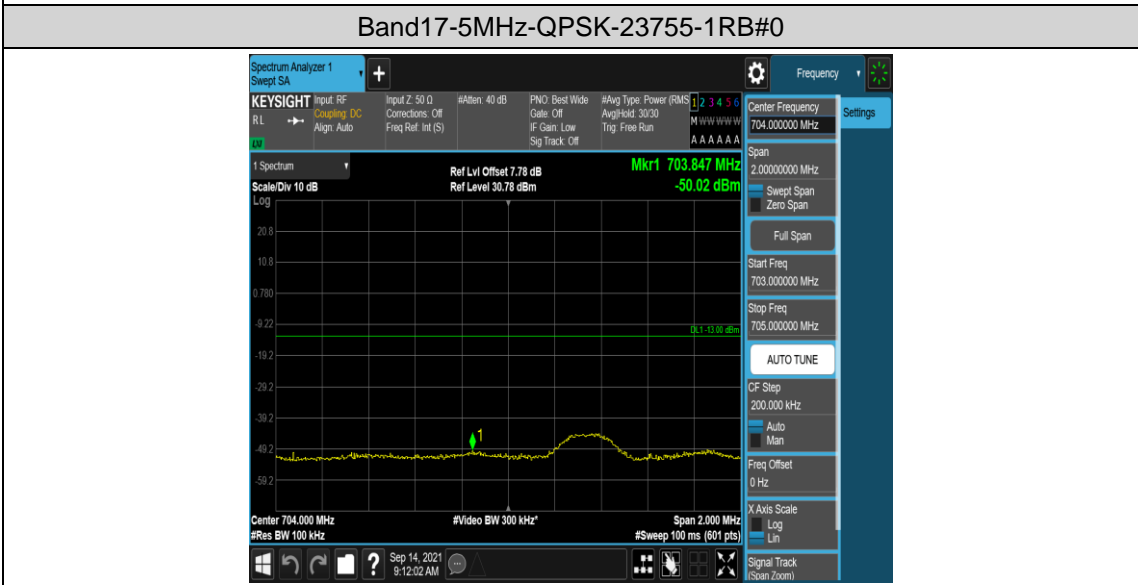
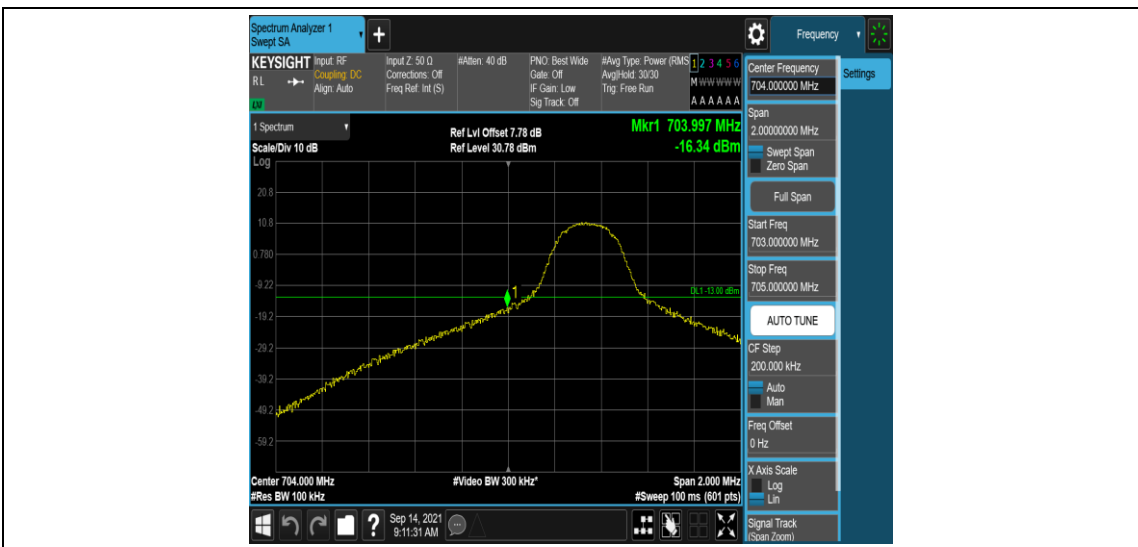


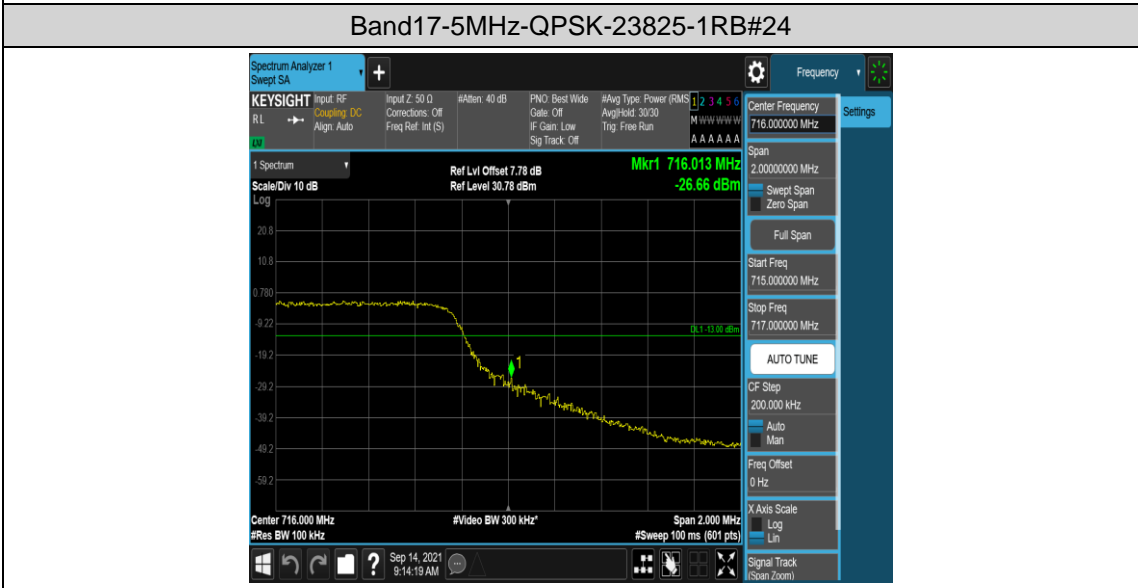
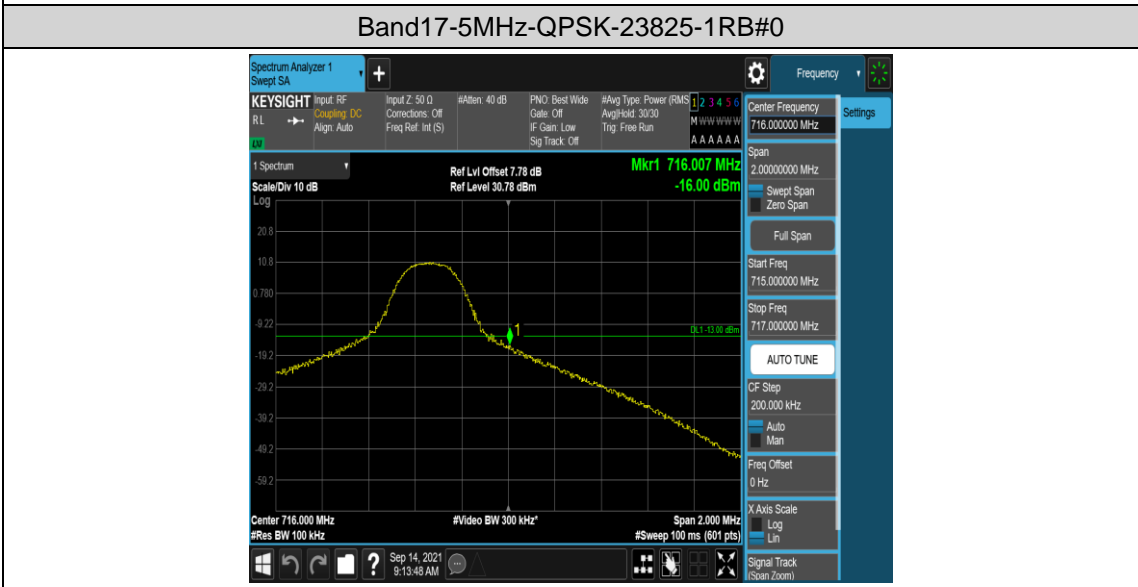
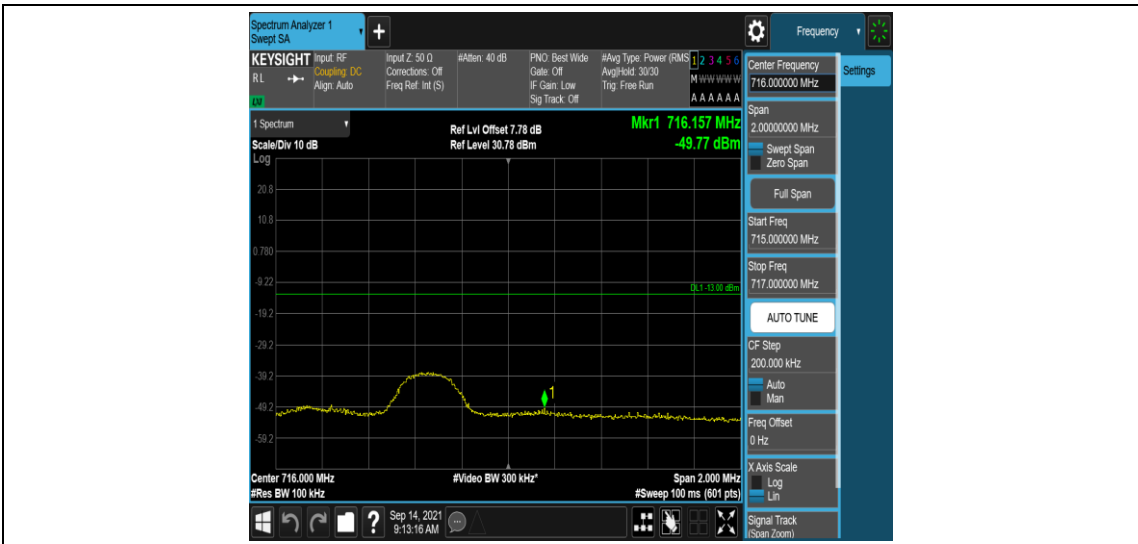
## Appendix D: Band Edge

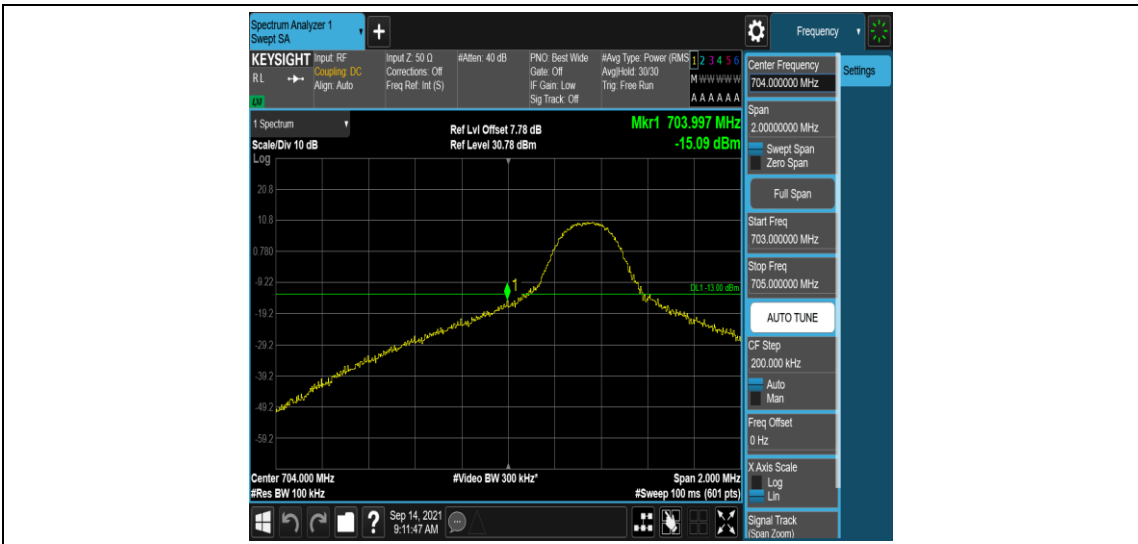
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band17	5MHz	QPSK	23755	1RB#0	PASS
Band17	5MHz	QPSK	23755	1RB#24	PASS
Band17	5MHz	QPSK	23755	25RB#0	PASS
Band17	5MHz	QPSK	23825	1RB#0	PASS
Band17	5MHz	QPSK	23825	1RB#24	PASS
Band17	5MHz	QPSK	23825	25RB#0	PASS
Band17	5MHz	16QAM	23755	1RB#0	PASS
Band17	5MHz	16QAM	23755	1RB#24	PASS
Band17	5MHz	16QAM	23755	25RB#0	PASS
Band17	5MHz	16QAM	23825	1RB#0	PASS
Band17	5MHz	16QAM	23825	1RB#24	PASS
Band17	5MHz	16QAM	23825	25RB#0	PASS
Band17	10MHz	QPSK	23780	1RB#0	PASS
Band17	10MHz	QPSK	23780	1RB#49	PASS
Band17	10MHz	QPSK	23780	50RB#0	PASS
Band17	10MHz	QPSK	23800	1RB#0	PASS
Band17	10MHz	QPSK	23800	1RB#49	PASS
Band17	10MHz	QPSK	23800	50RB#0	PASS
Band17	10MHz	16QAM	23780	1RB#0	PASS
Band17	10MHz	16QAM	23780	1RB#49	PASS
Band17	10MHz	16QAM	23780	50RB#0	PASS
Band17	10MHz	16QAM	23800	1RB#0	PASS
Band17	10MHz	16QAM	23800	1RB#49	PASS
Band17	10MHz	16QAM	23800	50RB#0	PASS

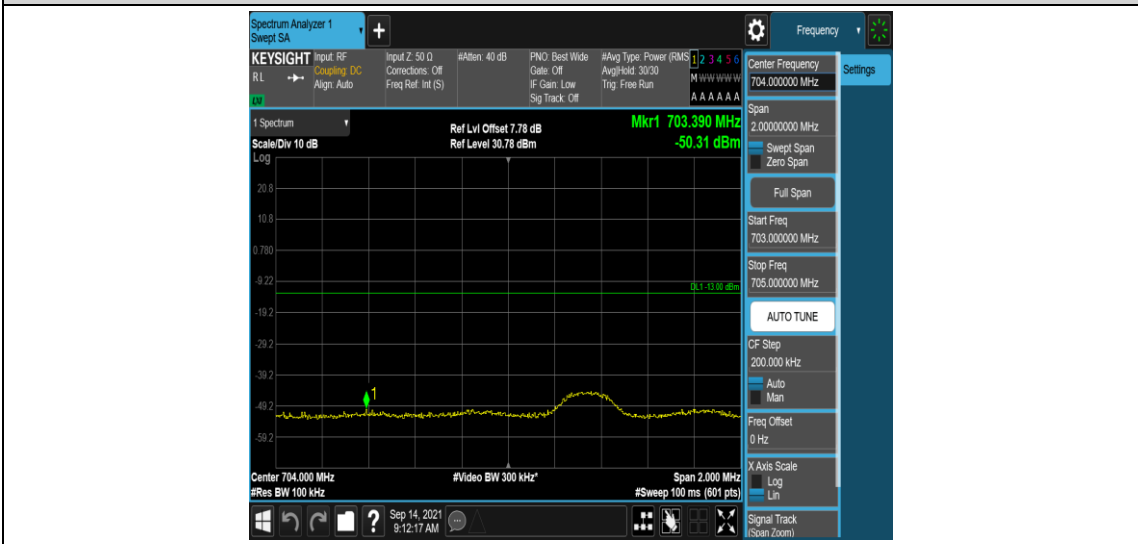
### Test Graphs



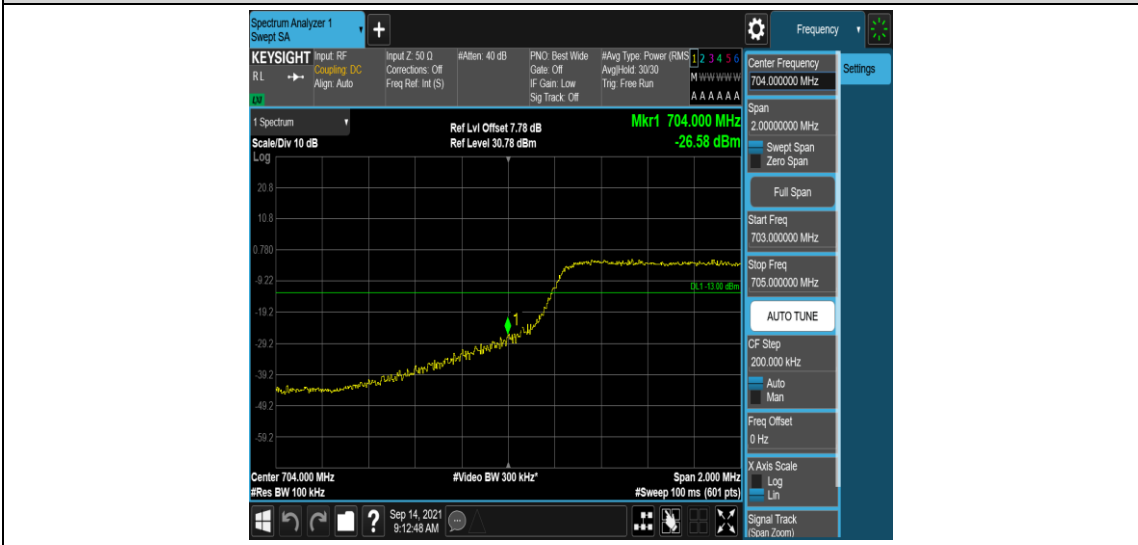




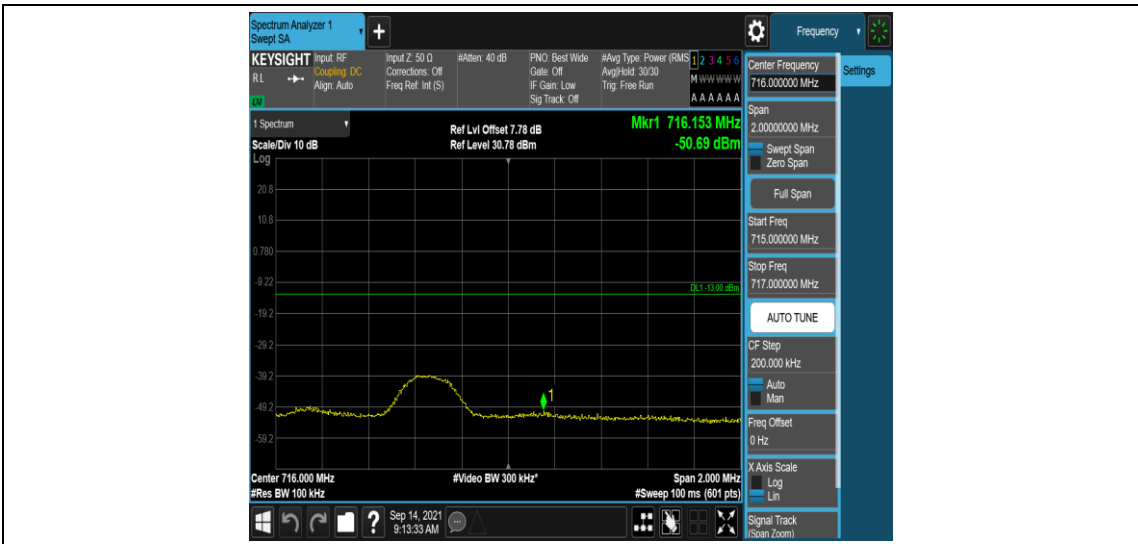
Band17-5MHz-16QAM-23755-1RB#0



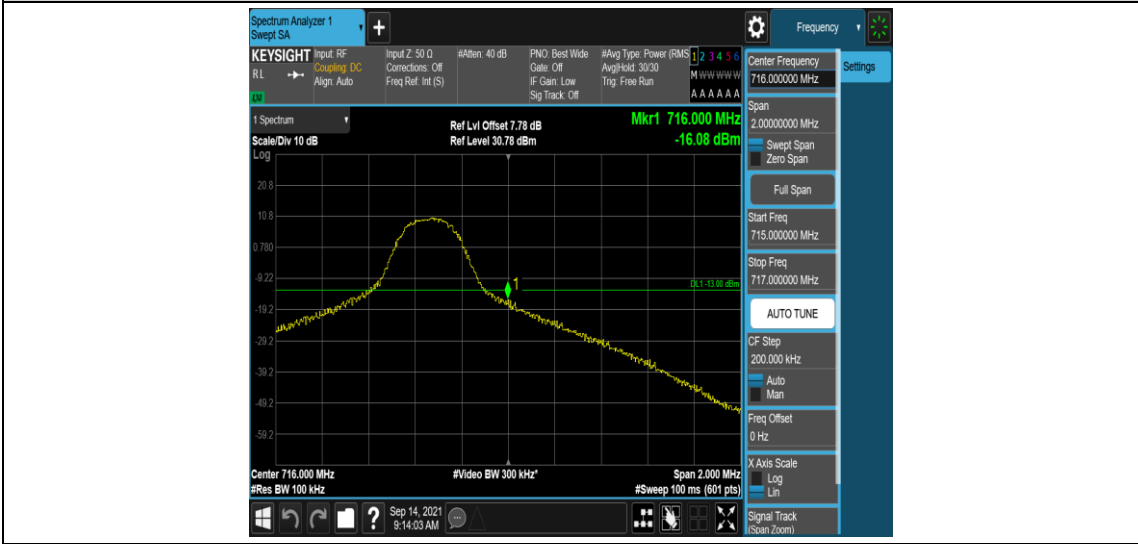
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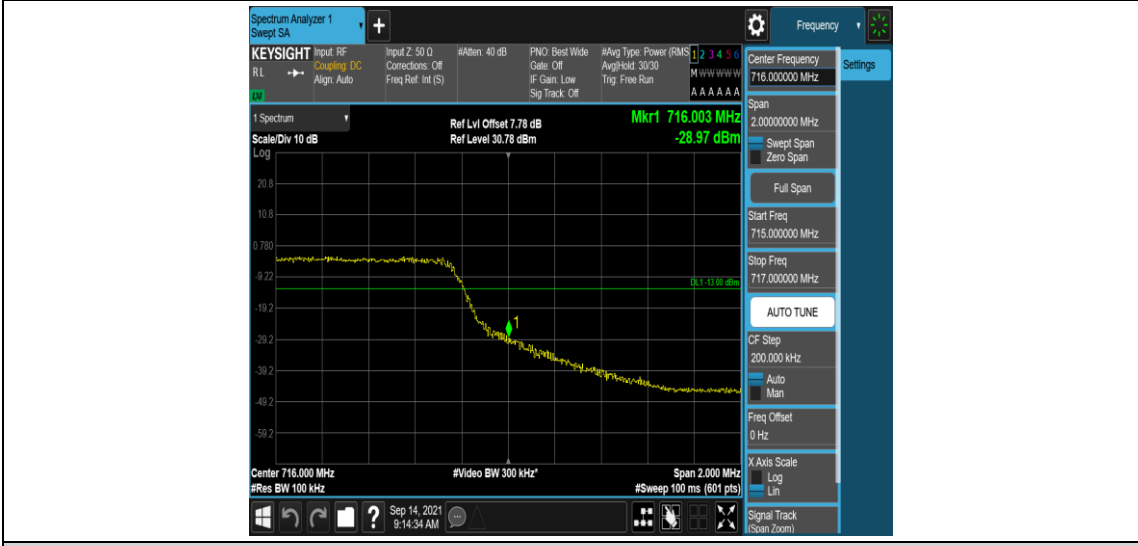
Band17-5MHz-16QAM-23755-25RB#0



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

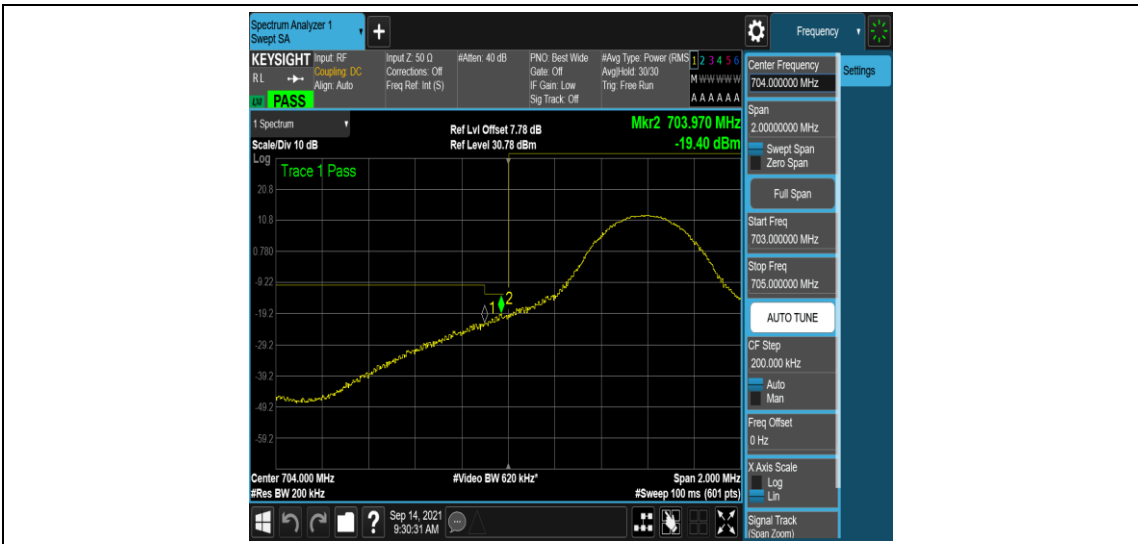


Band17-5MHz-16QAM-23825-1RB#24

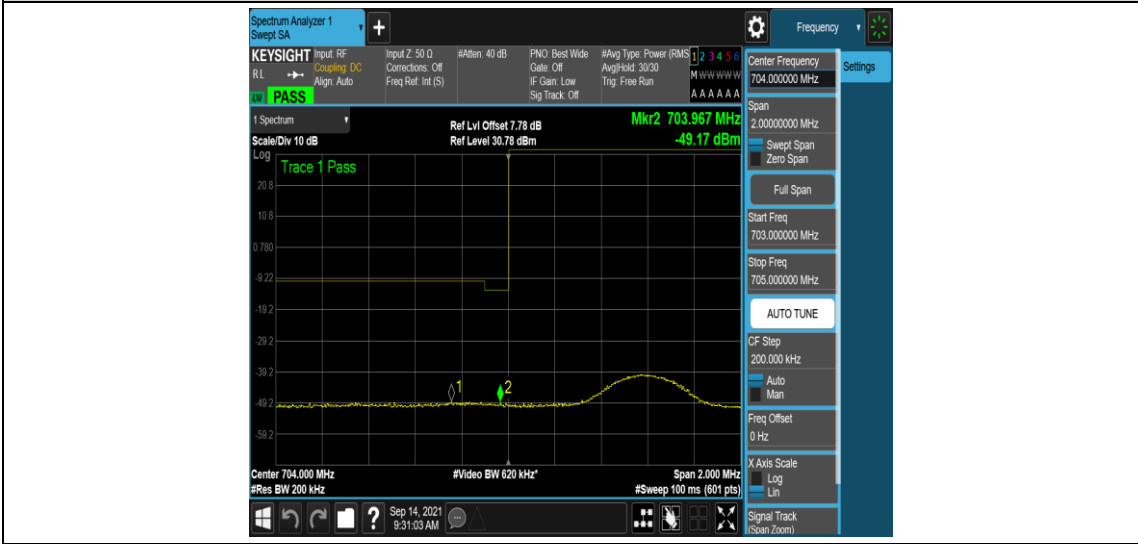


Band17-5MHz-16QAM-23825-25RB#0

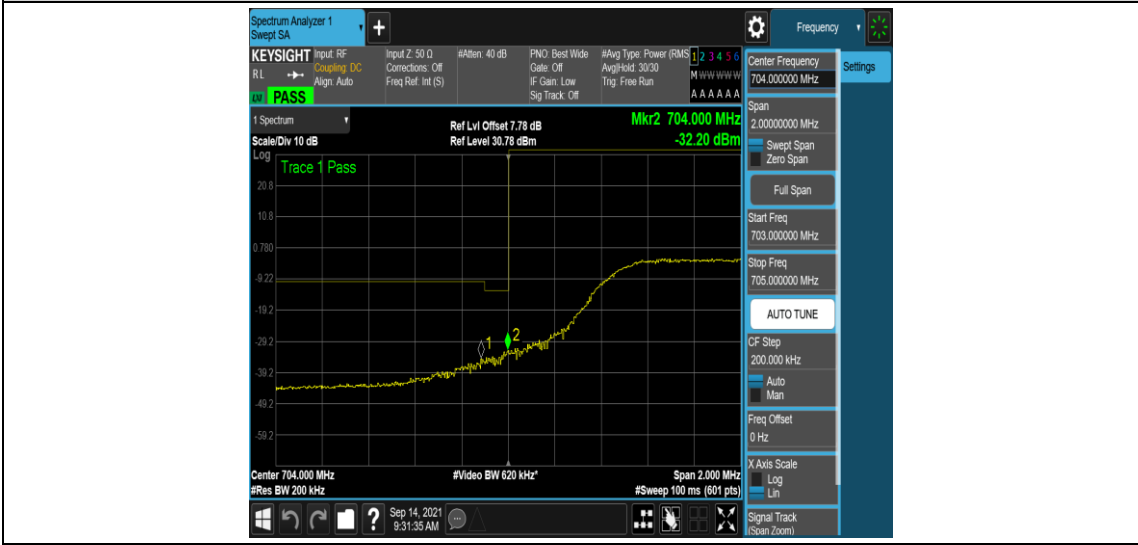




Band17-10MHz-QPSK-23780-1RB#0



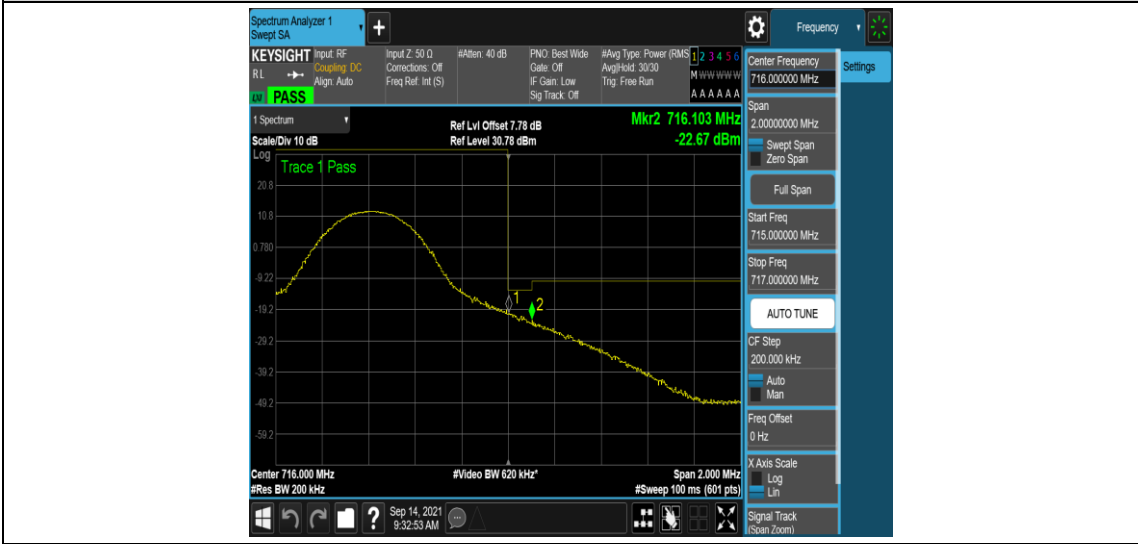
Band17-10MHz-QPSK-23780-1RB#49



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



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



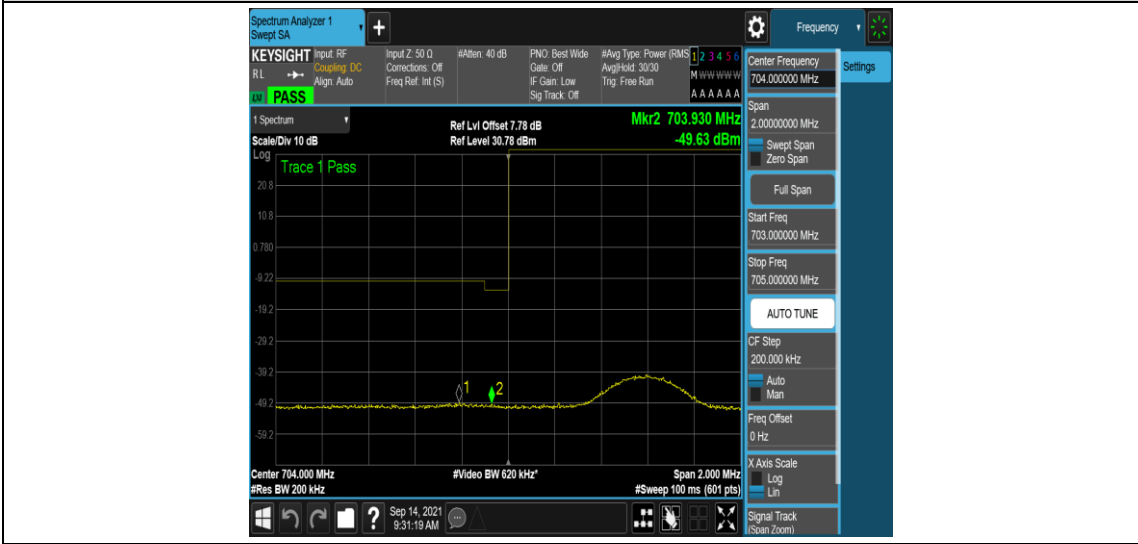
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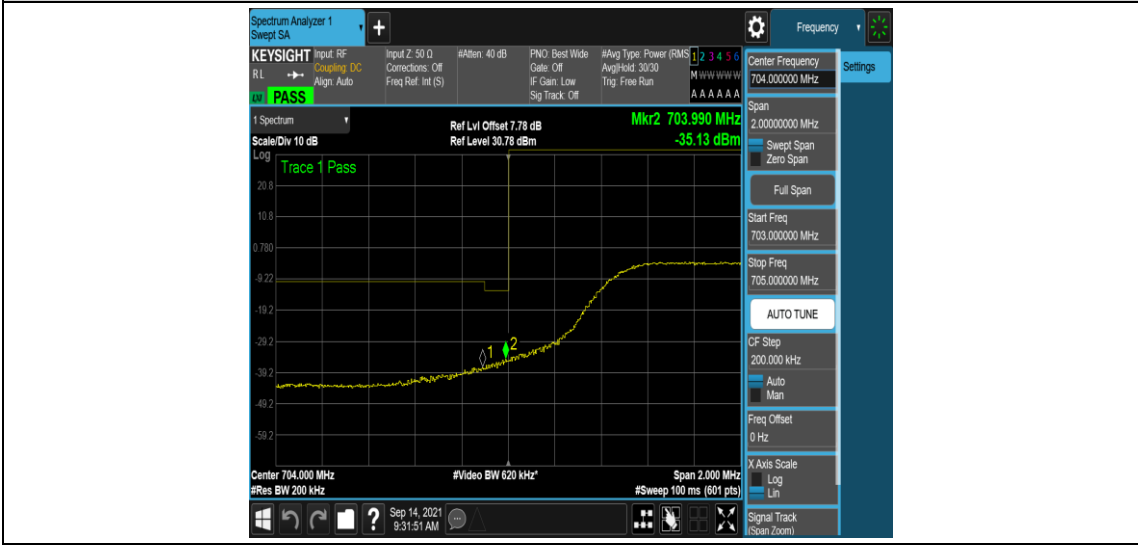
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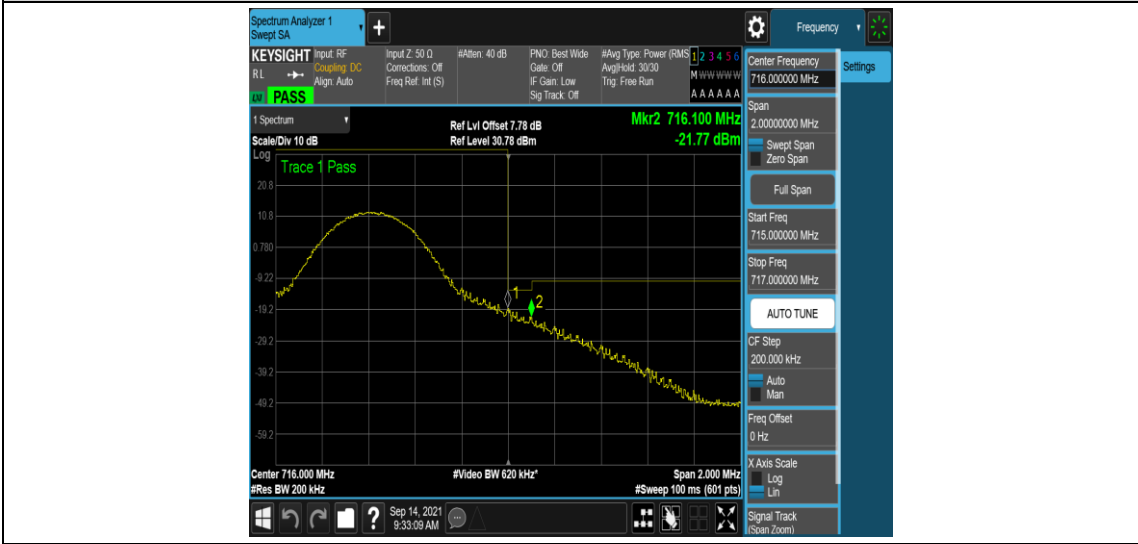
Band17-10MHz-16QAM-23780-1RB#49



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



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



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



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