FCC LTE Band Test Data

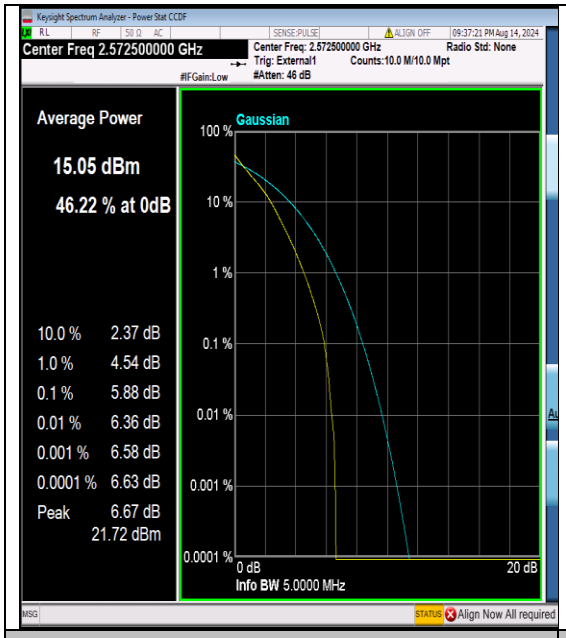
FCC ID	**:**	**2ATVQ-N40B**
Company:	**:**	**SHENZHEN BLOVEDREAM TECHNOLOGY CO.,LTD**
EUT	**:**	**Handheld terminal**
Model Number	**:**	**N40B**
Reviewed By	**:**	**Eric Wang**

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

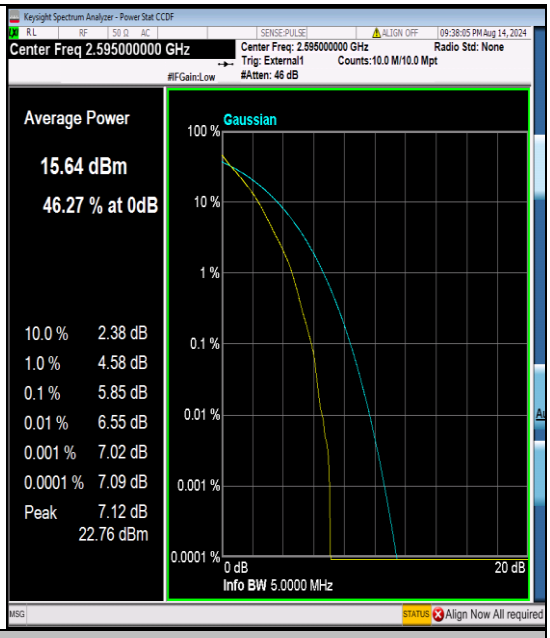
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	5.88	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.85	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.90	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.46	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.35	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.52	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.75	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.76	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.76	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.50	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.51	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	6.53	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	6.06	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	6.08	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	6.08	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.59	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.52	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.59	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.66	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.76	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.66	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.46	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.51	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.47	13	PASS

Test Graphs



Band38-5MHz-QPSK-37775-25RB#0-PASS



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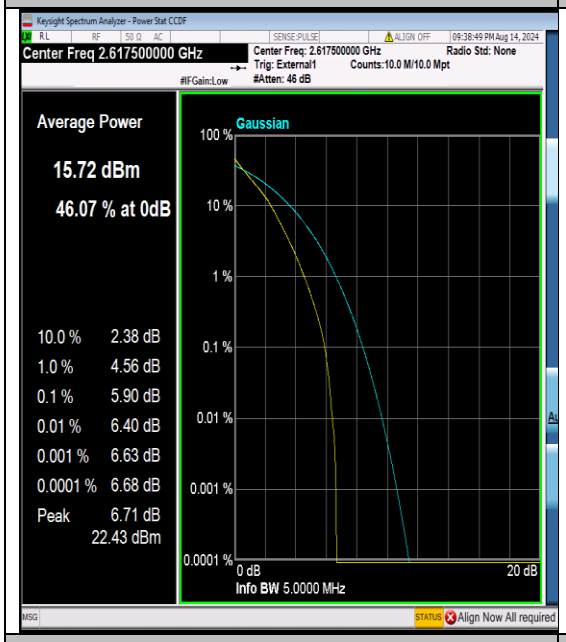

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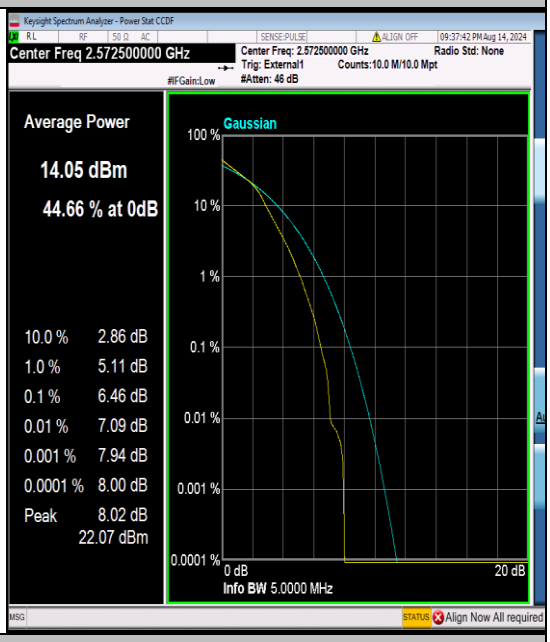

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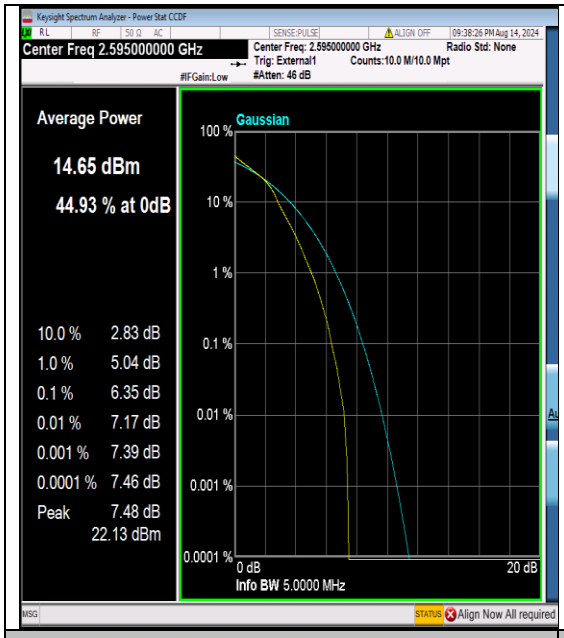

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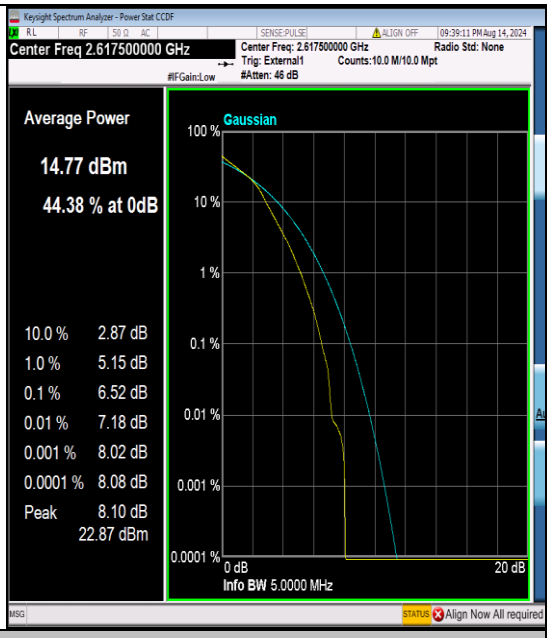

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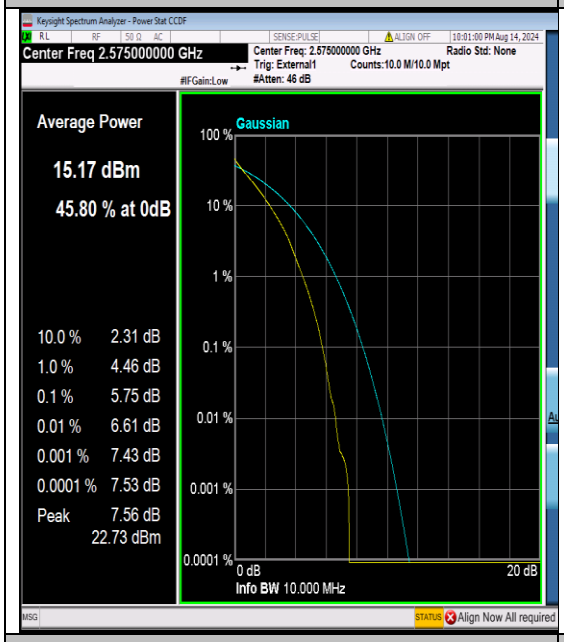
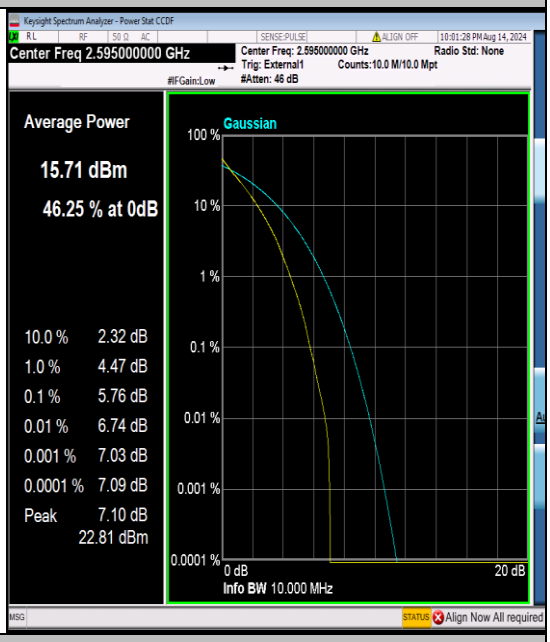


Band38-10MHz-QPSK-37800-50RB#0-PASS



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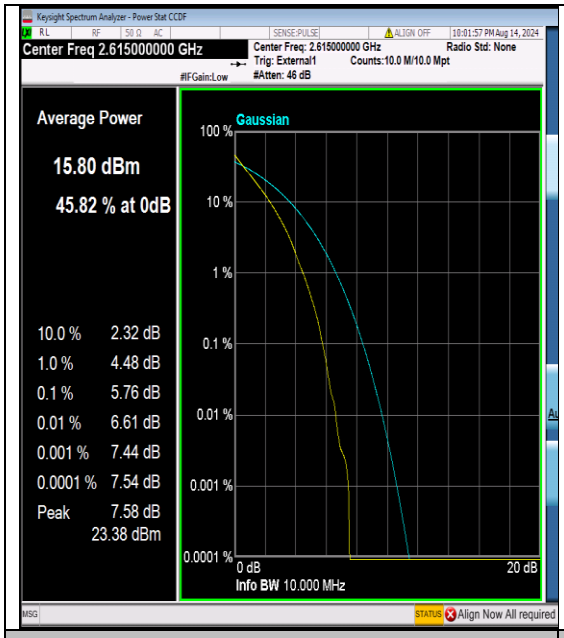

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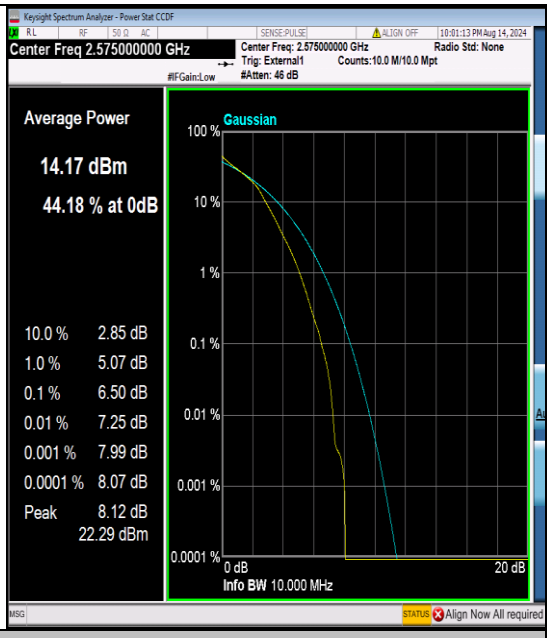

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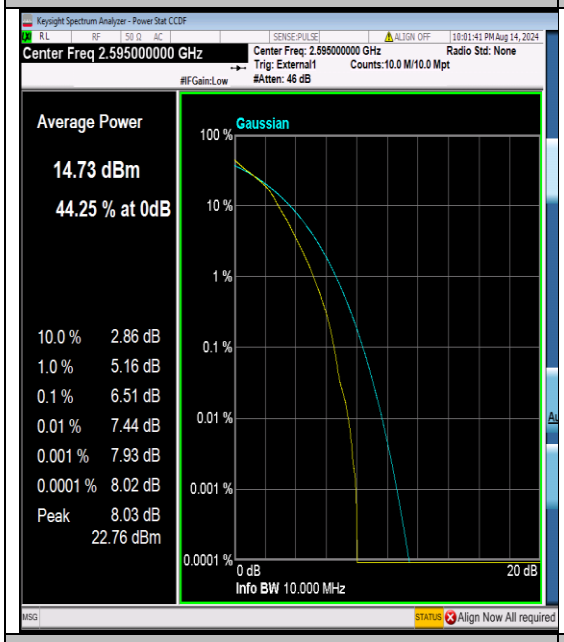

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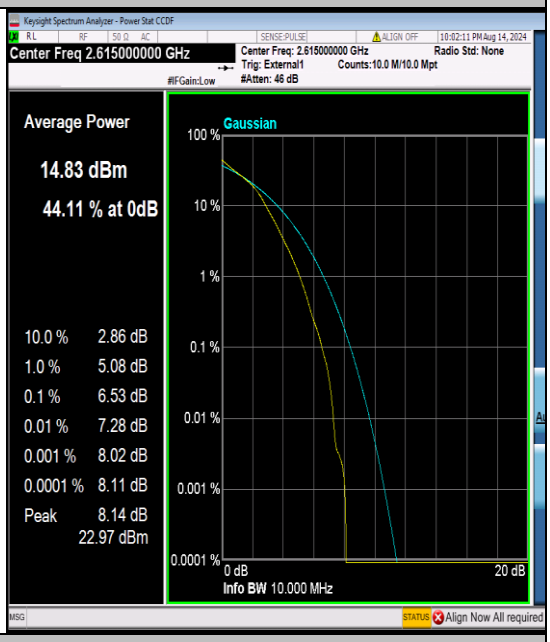

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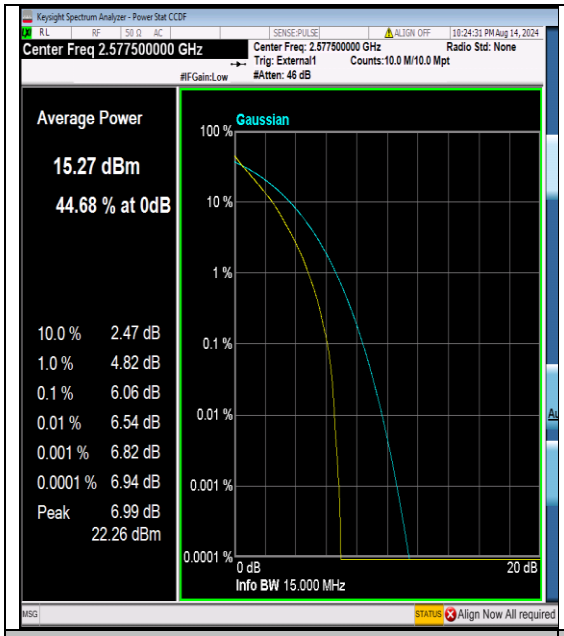
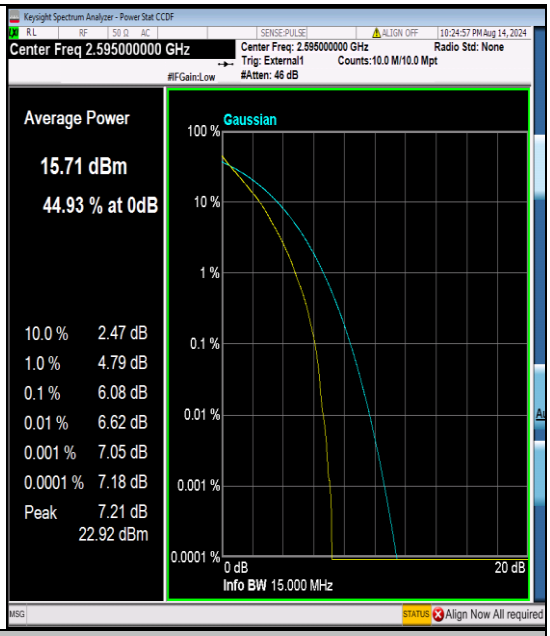
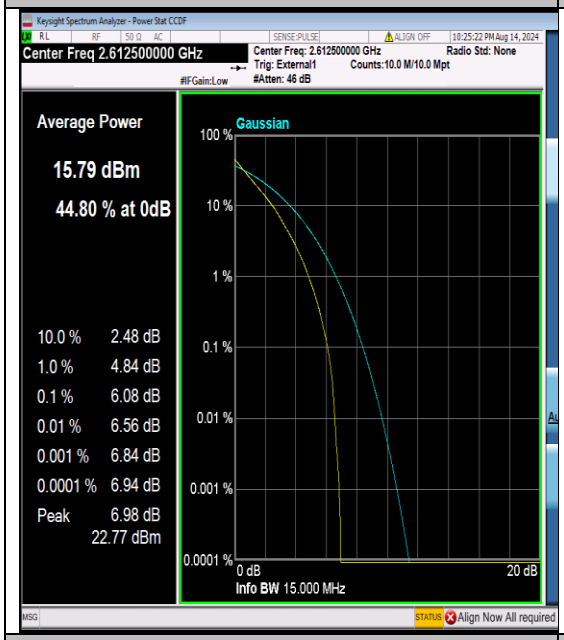


Band38-15MHz-QPSK-37825-75RB#0-PASS



Band38-15MHz-QPSK-38000-75RB#0-PASS



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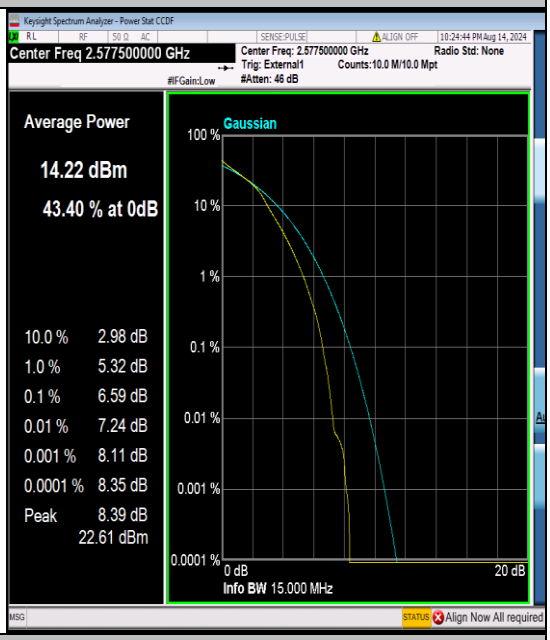

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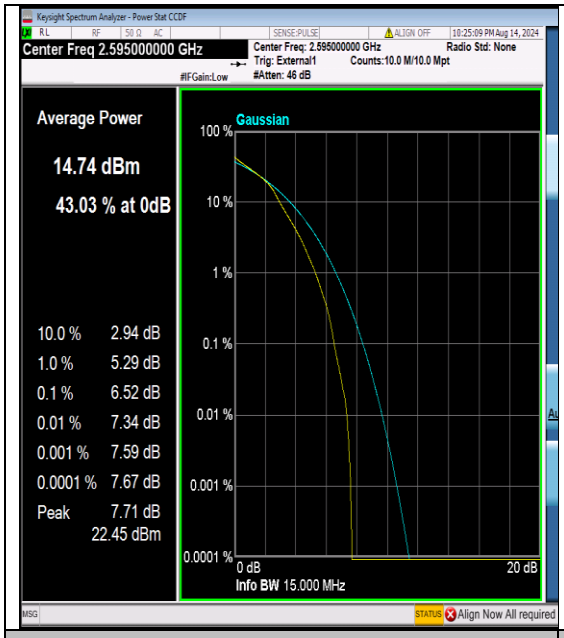
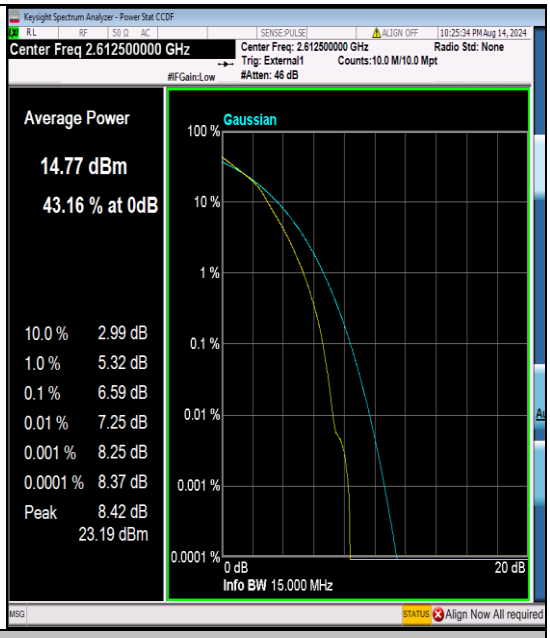
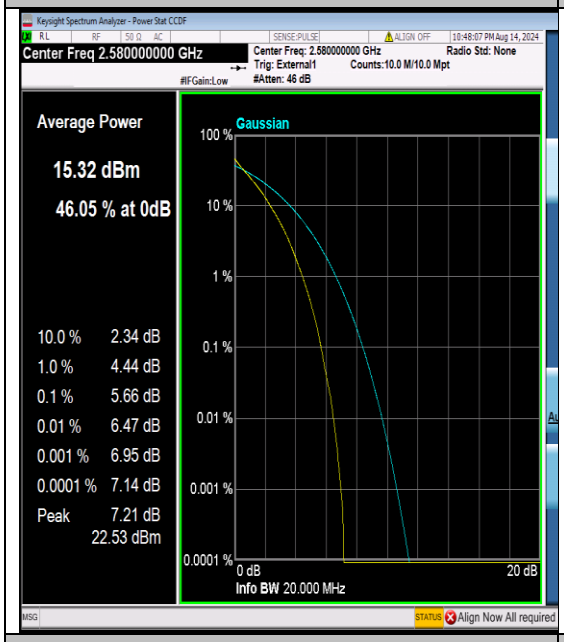


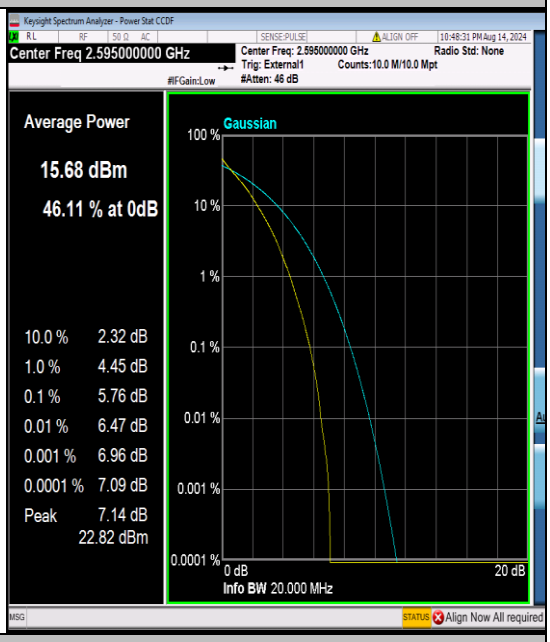
Band38-15MHz-16QAM-38000-75RB#0-PASS



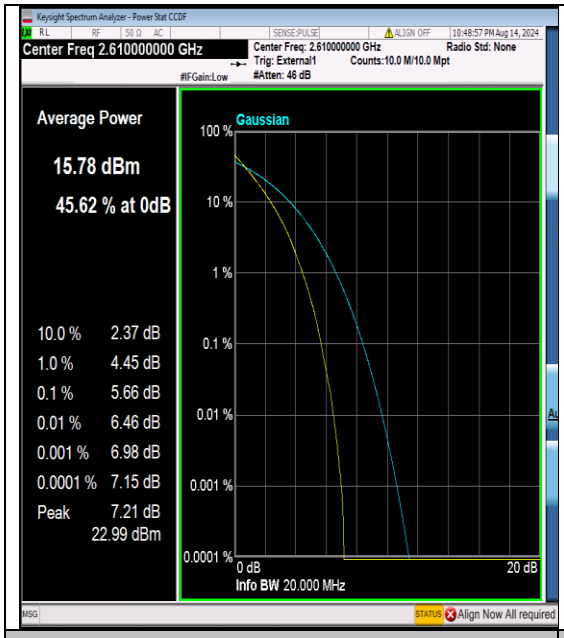
Band38-15MHz-16QAM-38175-75RB#0-PASS



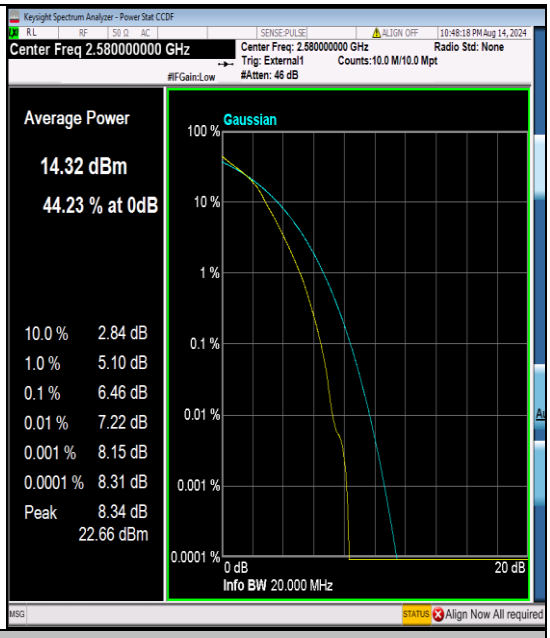
Band38-20MHz-QPSK-37850-100RB#0-PASS



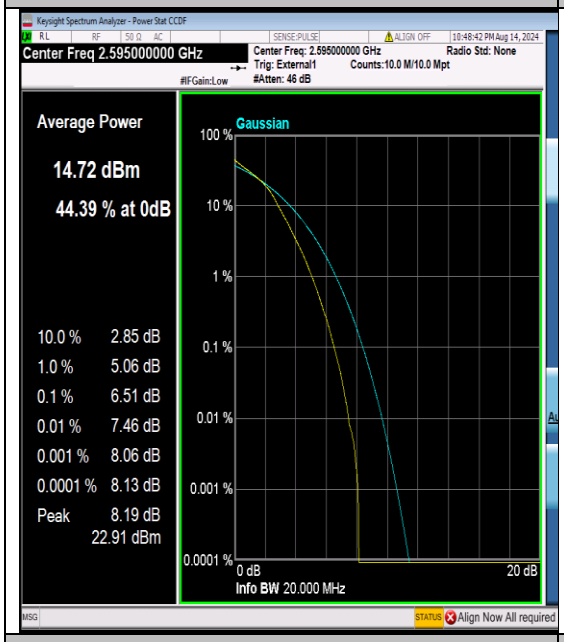
Band38-20MHz-QPSK-38000-100RB#0-PASS



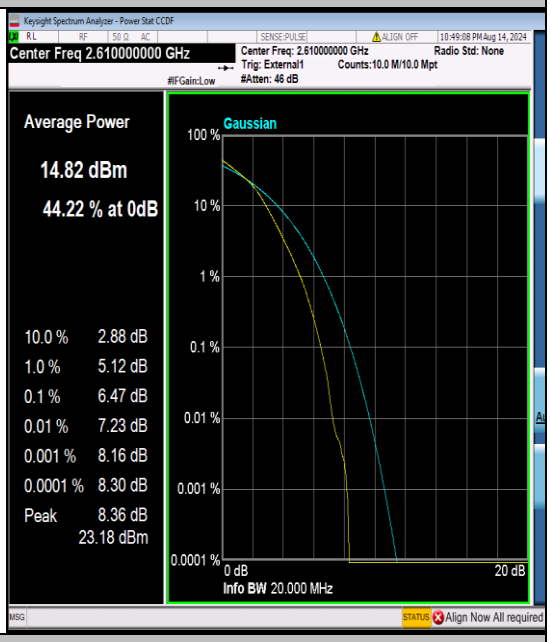
Band38-20MHz-QPSK-38150-100RB#0-PASS



Band38-20MHz-16QAM-37850-100RB#0-PASS



Band38-20MHz-16QAM-38000-100RB#0-PASS



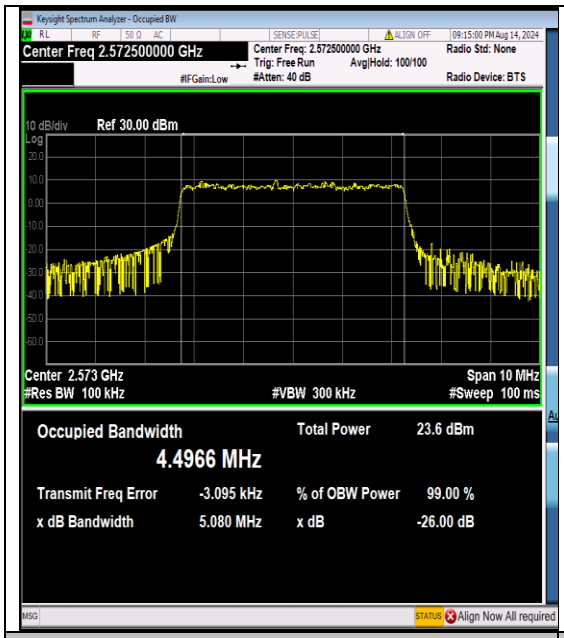
Band38-20MHz-16QAM-38150-100RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

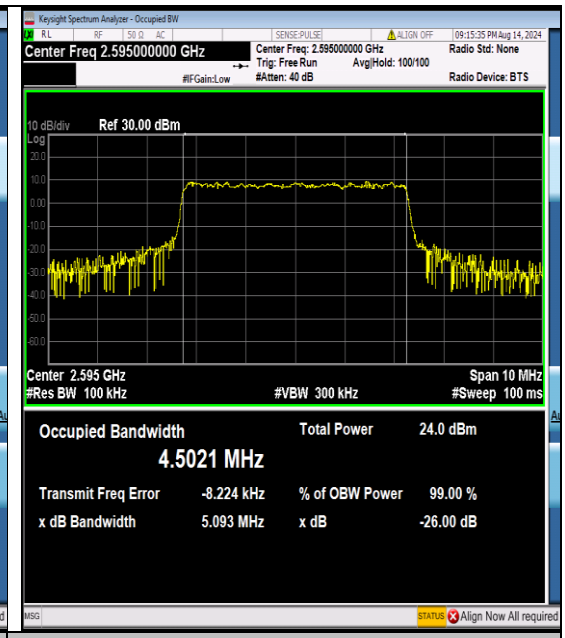
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4966	5.080	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5021	5.093	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4910	4.977	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4861	4.923	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4864	5.142	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4951	5.216	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9807	9.751	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9865	9.917	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9729	9.675	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9742	9.782	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9757	10.35	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9756	9.707	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.500	15.44	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.425	15.17	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.478	15.13	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.488	15.77	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.495	15.72	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.481	15.56	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.973	20.09	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.935	19.52	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.968	19.66	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.942	19.68	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.922	19.27	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.926	19.45	PASS

Test Graphs



Band38-5MHz-QPSK-37775-25RB#0-PASS



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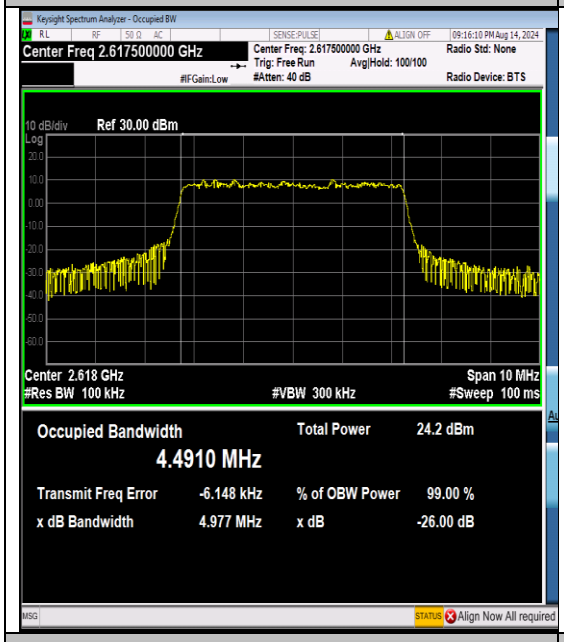
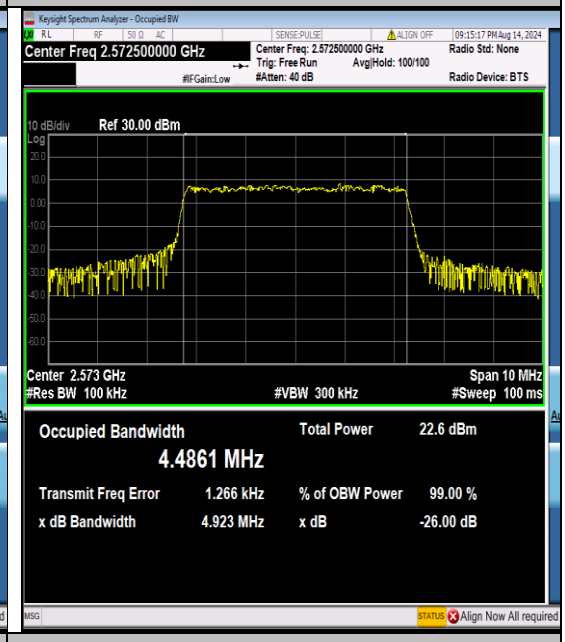
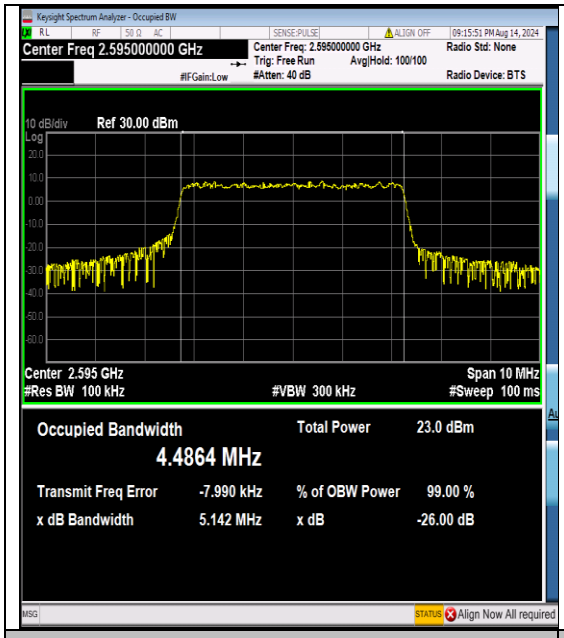


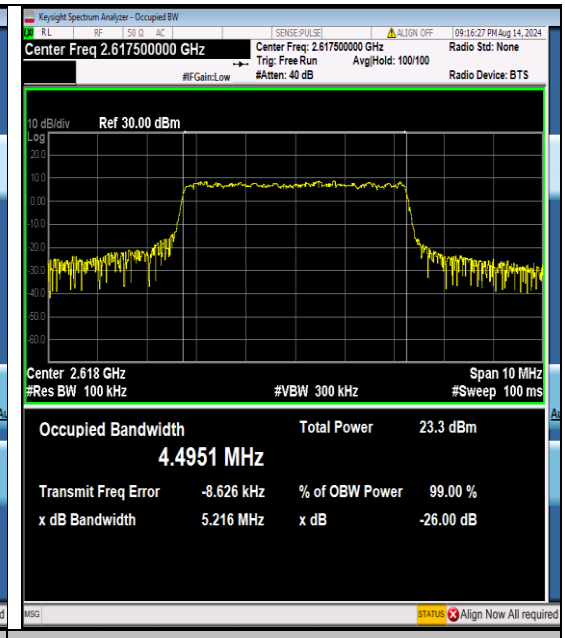
Band38-5MHz-QPSK-38225-25RB#0-PASS



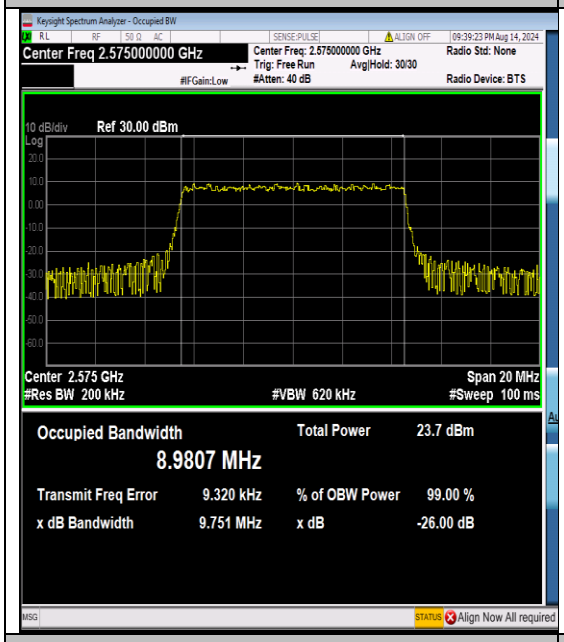
Band38-5MHz-16QAM-37775-25RB#0-PASS



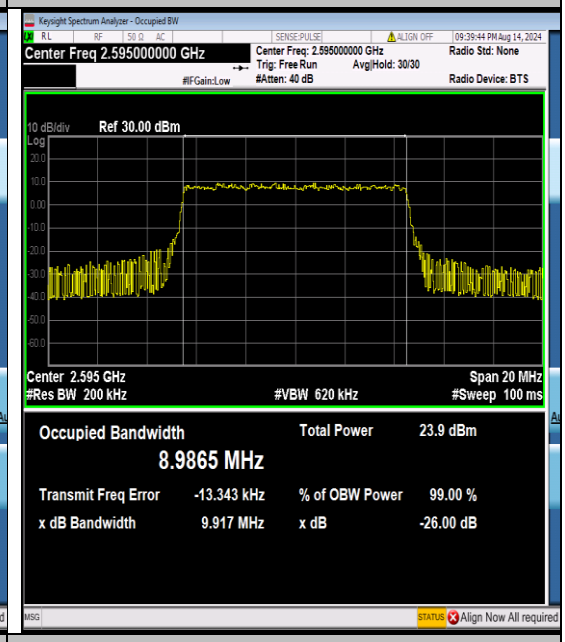
Band38-5MHz-16QAM-38000-25RB#0-PASS



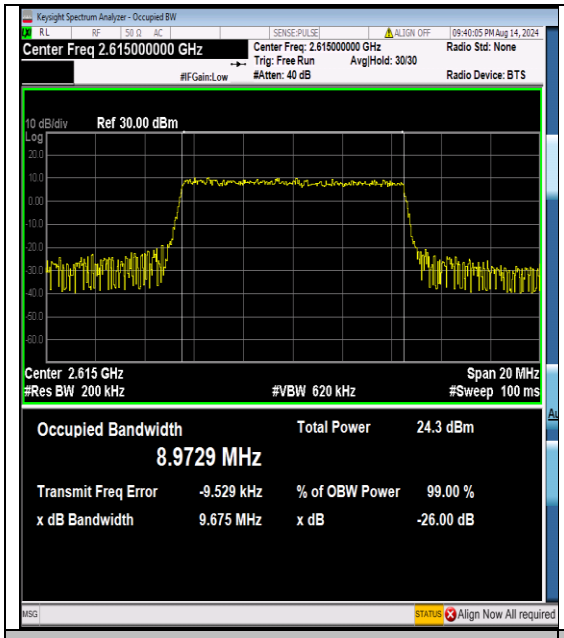
Band38-5MHz-16QAM-38225-25RB#0-PASS



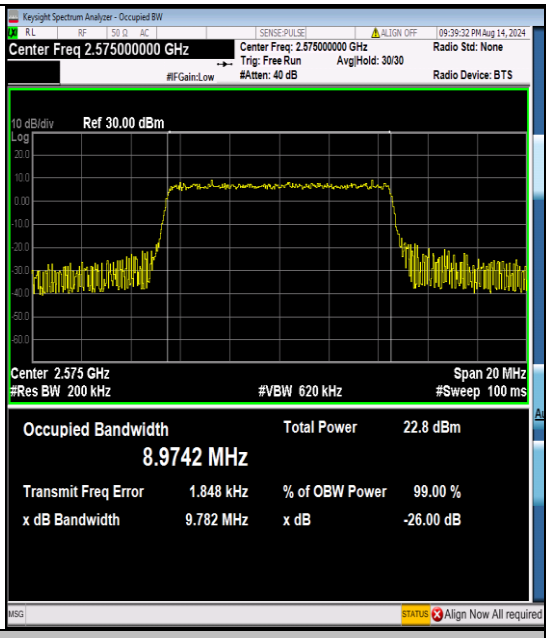
Band38-10MHz-QPSK-37800-50RB#0-PASS



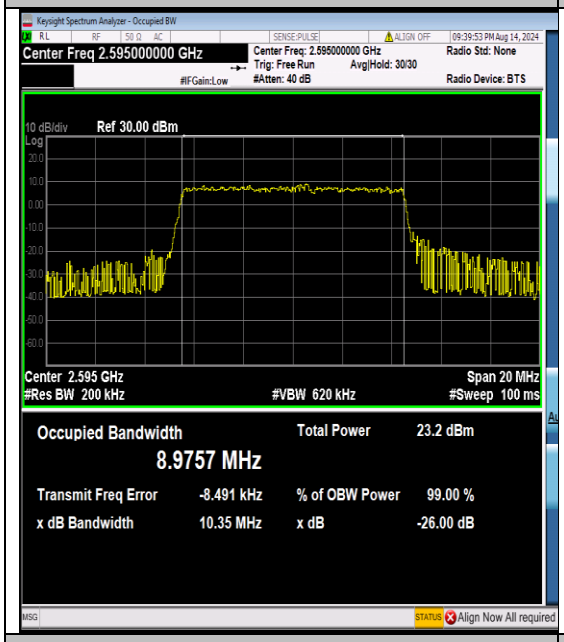
Band38-10MHz-QPSK-38000-50RB#0-PASS



Band38-10MHz-QPSK-38200-50RB#0-PASS



Band38-10MHz-16QAM-37800-50RB#0-PASS



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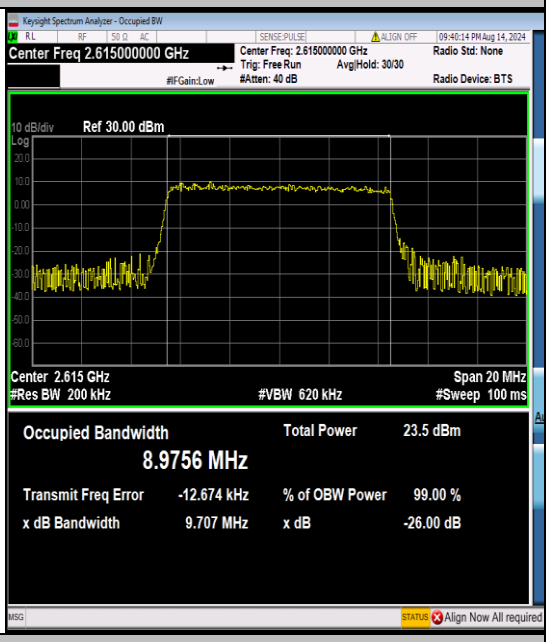
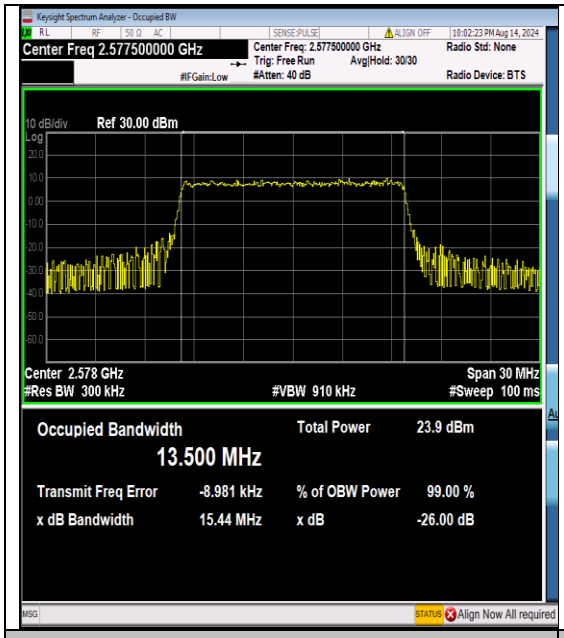
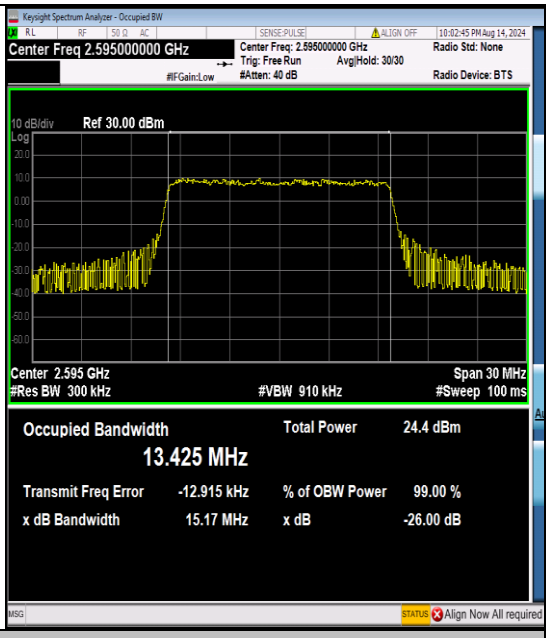


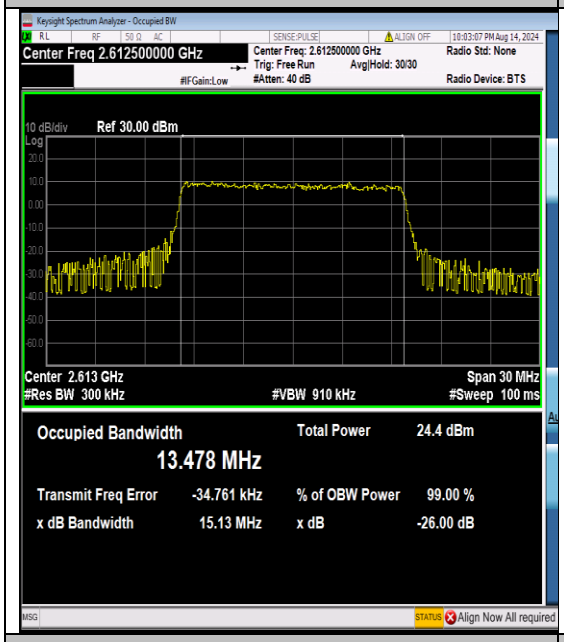
Band38-10MHz-16QAM-38200-50RB#0-PASS



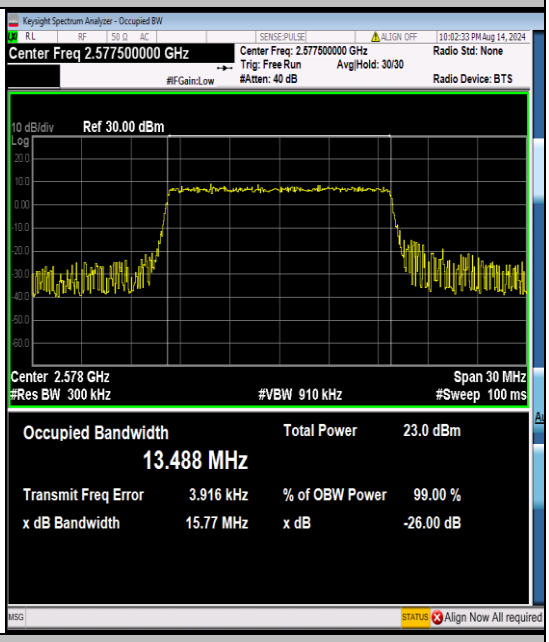
Band38-15MHz-QPSK-37825-75RB#0-PASS



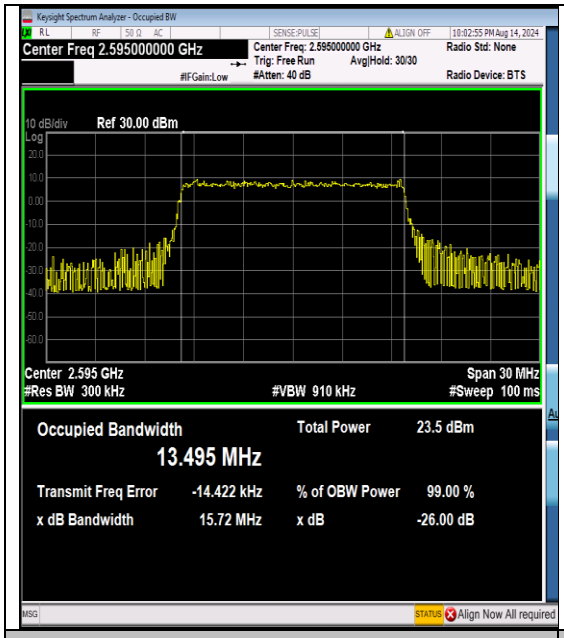
Band38-15MHz-QPSK-38000-75RB#0-PASS



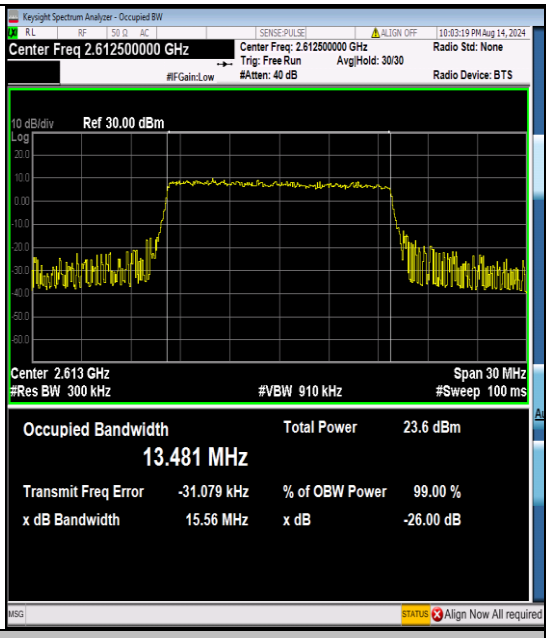
Band38-15MHz-QPSK-38175-75RB#0-PASS



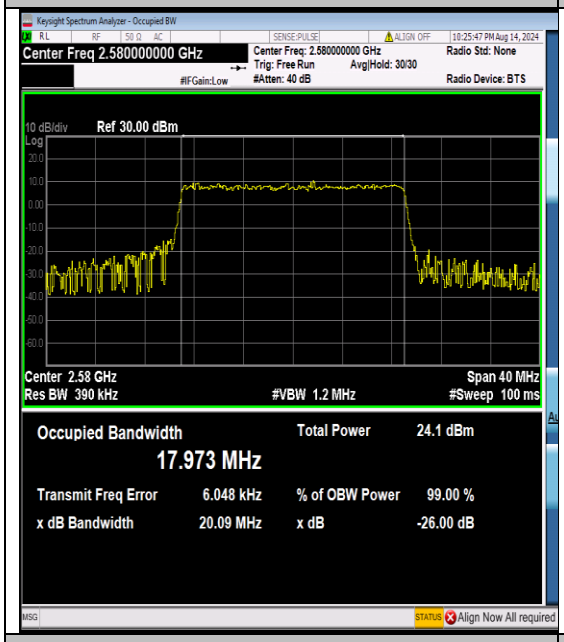
Band38-15MHz-16QAM-37825-75RB#0-PASS



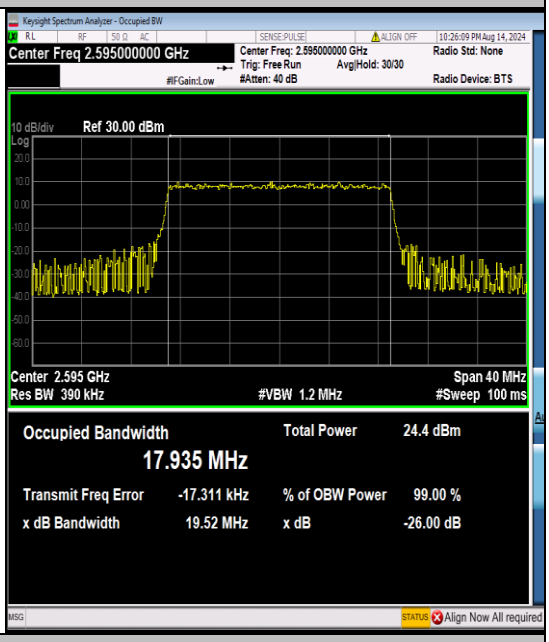
Band38-15MHz-16QAM-38000-75RB#0-PASS



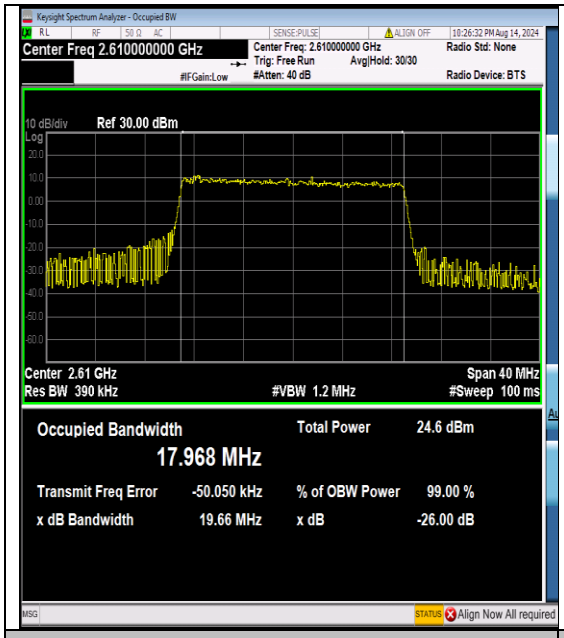
Band38-15MHz-16QAM-38175-75RB#0-PASS



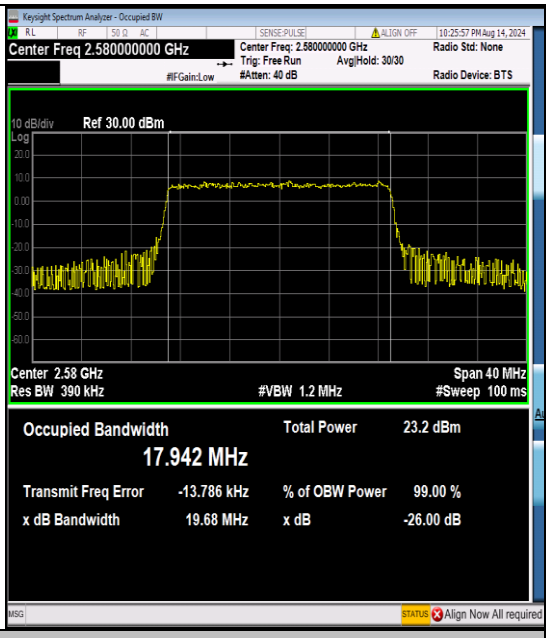
Band38-20MHz-QPSK-37850-100RB#0-PASS



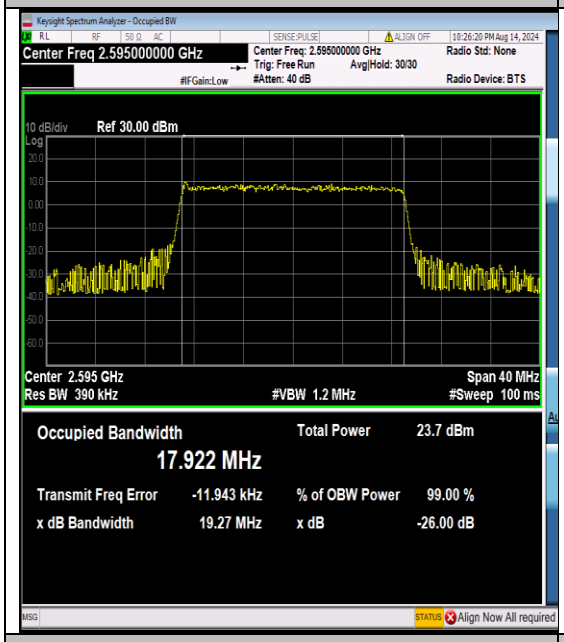
Band38-20MHz-QPSK-38000-100RB#0-PASS



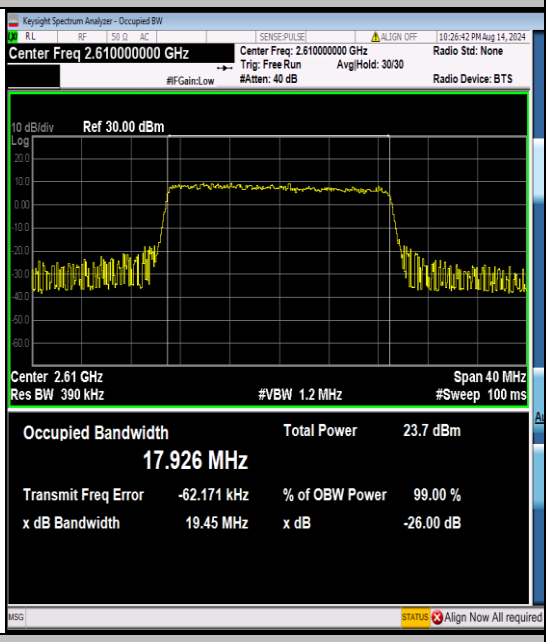
Band38-20MHz-QPSK-38150-100RB#0-PASS



Band38-20MHz-16QAM-37850-100RB#0-PASS



Band38-20MHz-16QAM-38000-100RB#0-PASS



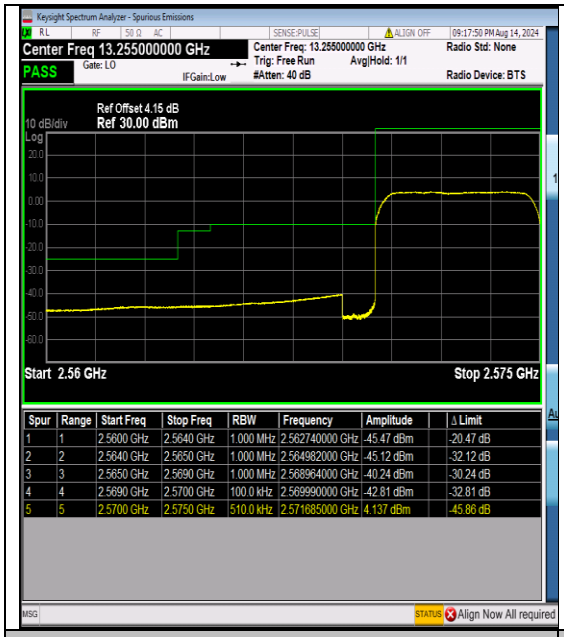
Band38-20MHz-16QAM-38150-100RB#0-PASS

Appendix D: Band Edge

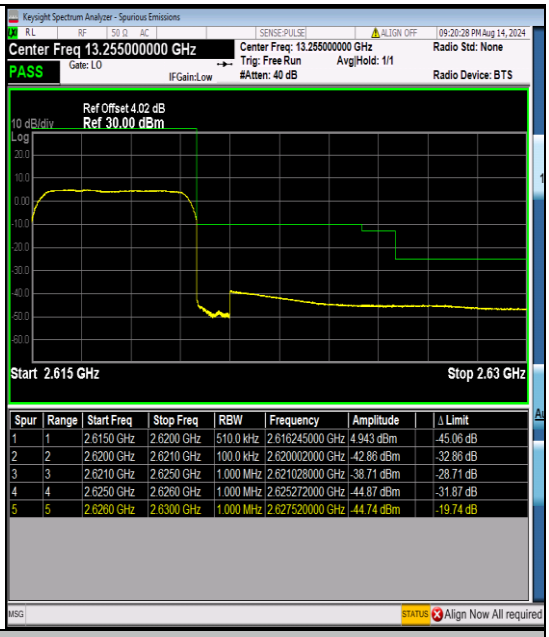
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-45.47	PASS
Band38	5MHz	QPSK	38225	25RB#0	-44.74	PASS
Band38	5MHz	16QAM	37775	25RB#0	-45.52	PASS
Band38	5MHz	16QAM	38225	25RB#0	-45.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	-46.54	PASS
Band38	10MHz	QPSK	38200	50RB#0	-46.07	PASS
Band38	10MHz	16QAM	37800	50RB#0	-46.40	PASS
Band38	10MHz	16QAM	38200	50RB#0	-45.72	PASS
Band38	15MHz	QPSK	37825	75RB#0	-46.49	PASS
Band38	15MHz	QPSK	38175	75RB#0	-46.21	PASS
Band38	15MHz	16QAM	37825	75RB#0	-46.48	PASS
Band38	15MHz	16QAM	38175	75RB#0	-45.97	PASS
Band38	20MHz	QPSK	37850	100RB#0	-47.20	PASS
Band38	20MHz	QPSK	38150	100RB#0	-46.59	PASS
Band38	20MHz	16QAM	37850	100RB#0	-47.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	-46.44	PASS

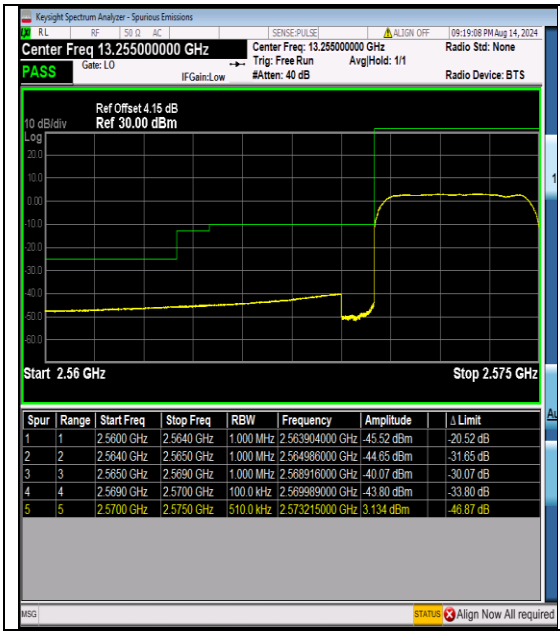
Test Graphs



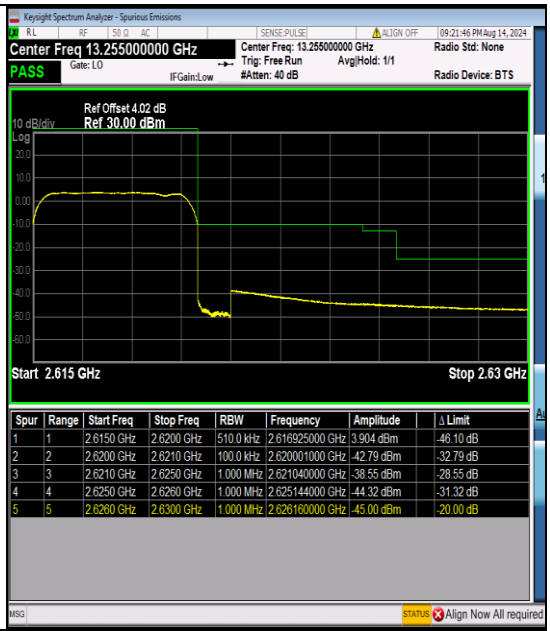
Band38_5MHz_QPSK_37775_25RB#0



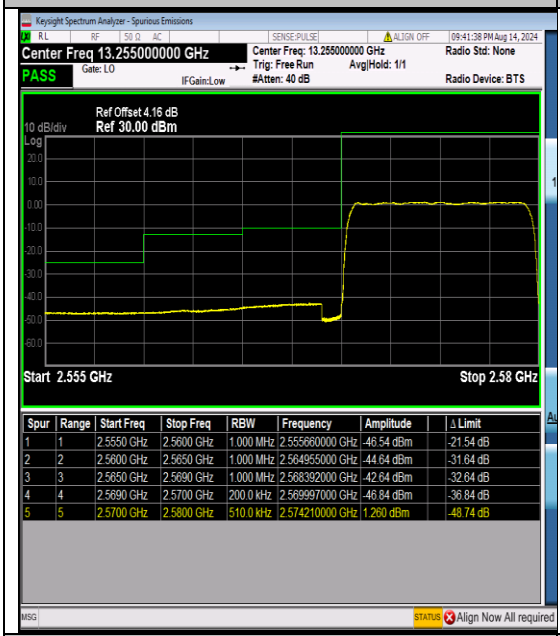
Band38_5MHz_QPSK_38225_25RB#0



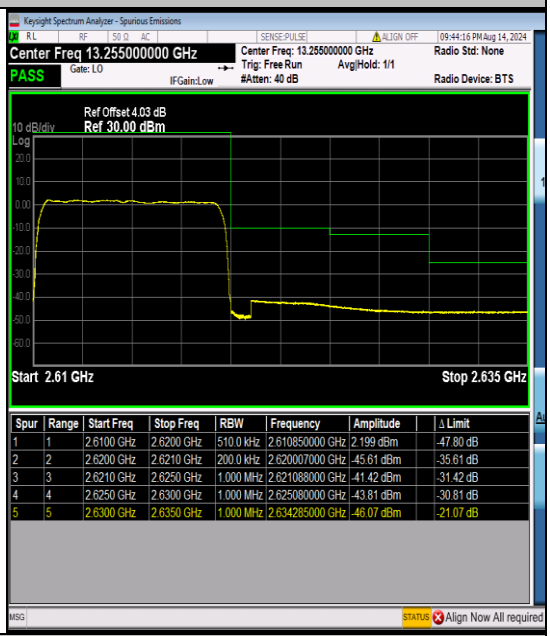
Band38_5MHz_16QAM_37775_25RB#0



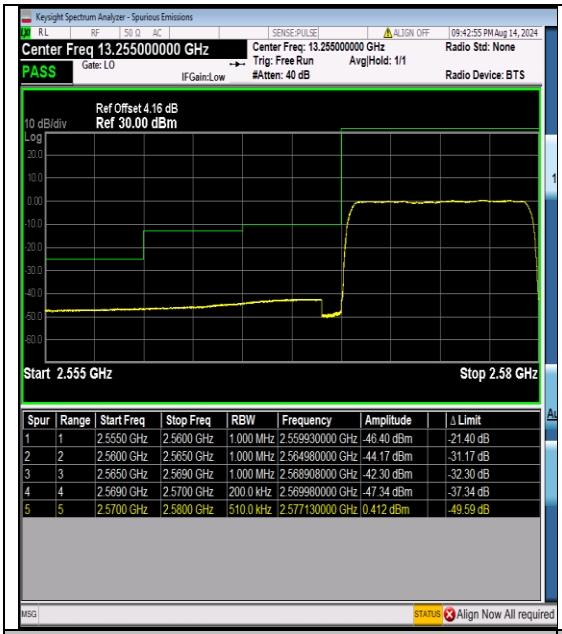
Band38_5MHz_16QAM_38225_25RB#0



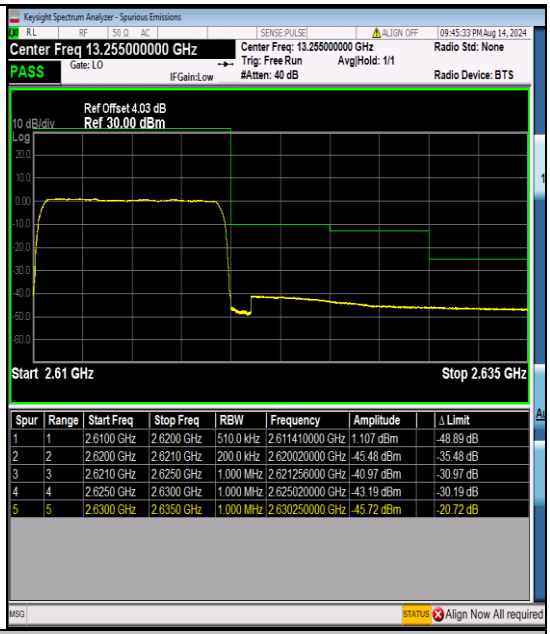
Band38_10MHz_QPSK_37800_50RB#0



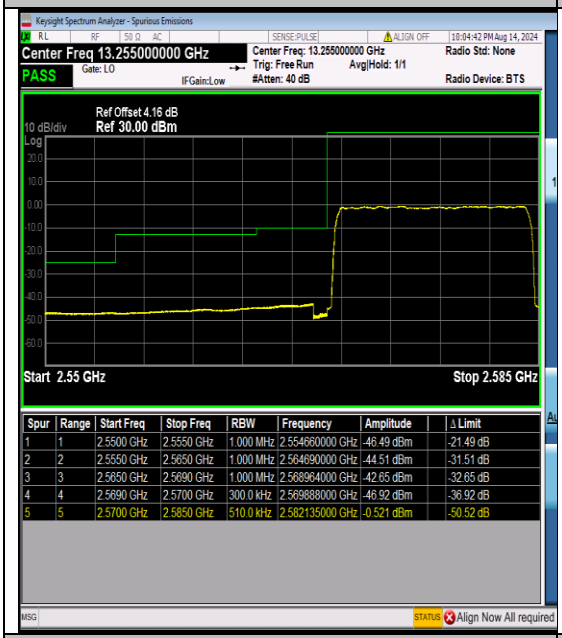
Band38_10MHz_QPSK_38200_50RB#0



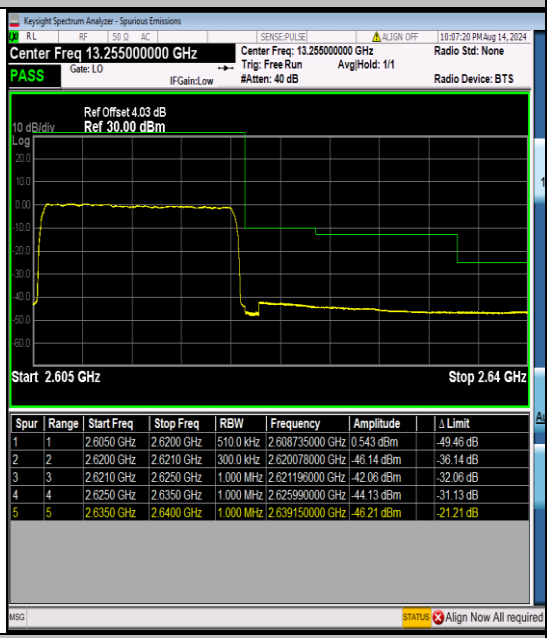
Band38_10MHz_16QAM_37800_50RB#0



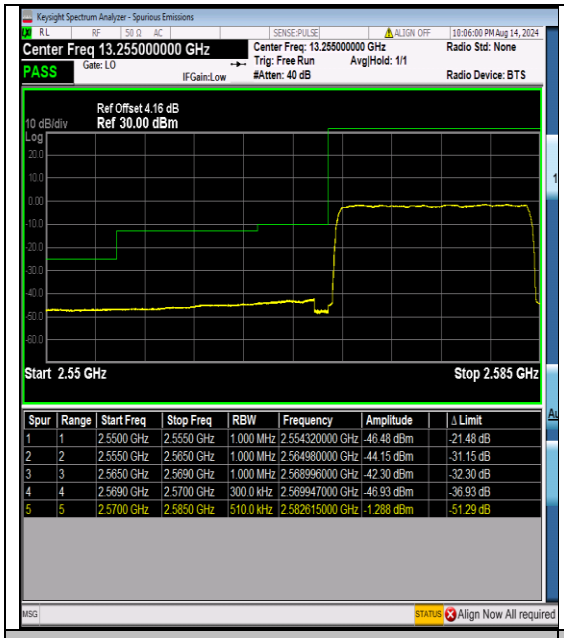
Band38_10MHz_16QAM_38200_50RB#0



Band38_15MHz_QPSK_37825_75RB#0

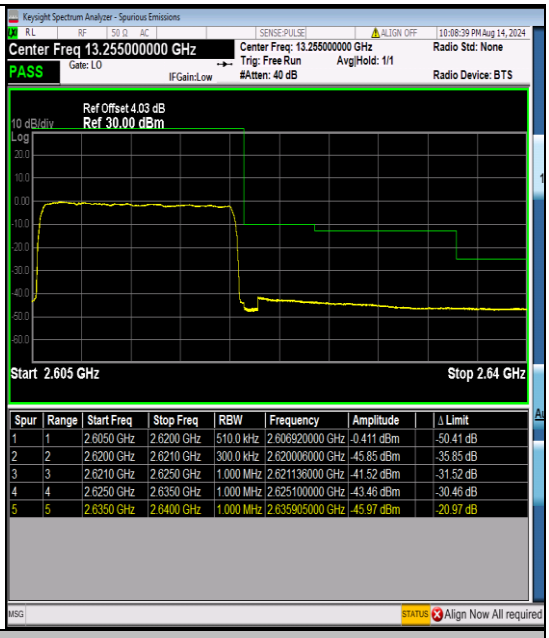


Band38_15MHz_QPSK_38175_75RB#0



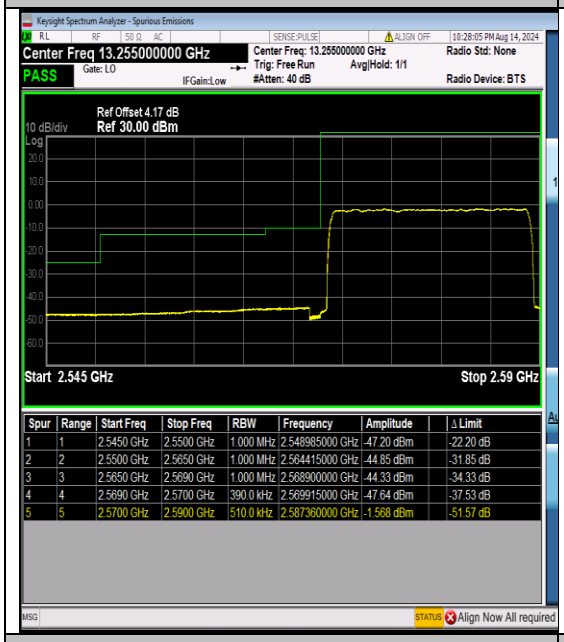
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5500 GHz	2.5550 GHz	1.000 MHz	2.554320000 GHz	-46.48 dBm	-21.48 dB
2	2	2.5550 GHz	2.5650 GHz	1.000 MHz	2.564980000 GHz	-44.15 dBm	-31.15 dB
3	3	2.5650 GHz	2.5690 GHz	1.000 MHz	2.568996000 GHz	-42.30 dBm	-32.30 dB
4	4	2.5690 GHz	2.5700 GHz	300.0 kHz	2.569947000 GHz	-46.93 dBm	-36.93 dB
5	5	2.5700 GHz	2.5850 GHz	510.0 kHz	2.582615000 GHz	-1.288 dBm	-51.29 dB

Band38_15MHz_16QAM_37825_75RB#0



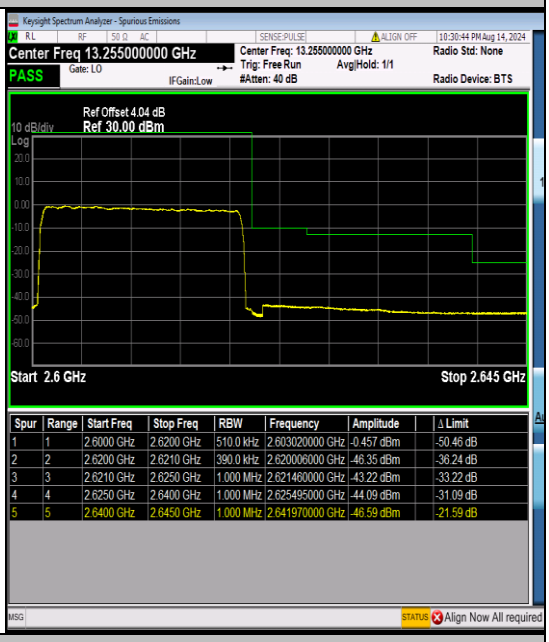
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6050 GHz	2.6200 GHz	510.0 kHz	2.606920000 GHz	-0.411 dBm	-50.41 dB
2	2	2.6200 GHz	2.6210 GHz	300.0 kHz	2.620006000 GHz	-45.85 dBm	-35.85 dB
3	3	2.6210 GHz	2.6250 GHz	1.000 MHz	2.621136000 GHz	-41.52 dBm	-31.52 dB
4	4	2.6250 GHz	2.6350 GHz	1.000 MHz	2.625100000 GHz	-43.46 dBm	-30.46 dB
5	5	2.6350 GHz	2.6400 GHz	1.000 MHz	2.635905000 GHz	-45.97 dBm	-20.97 dB

Band38_15MHz_16QAM_38175_75RB#0



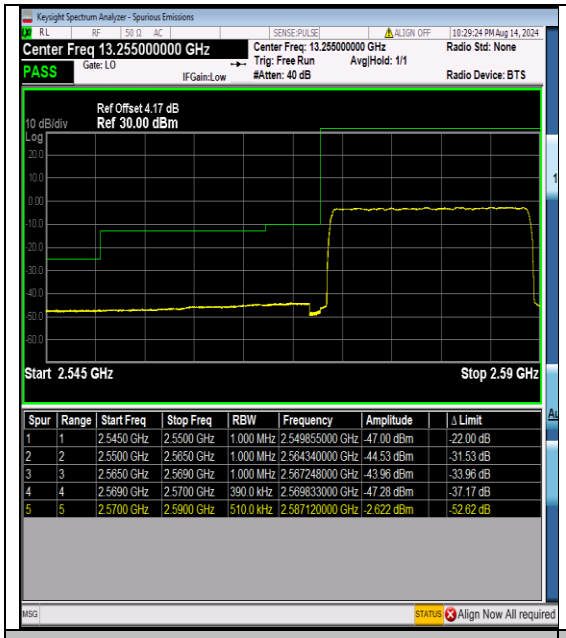
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5450 GHz	2.5500 GHz	1.000 MHz	2.548985000 GHz	-47.20 dBm	-22.20 dB
2	2	2.5500 GHz	2.5650 GHz	1.000 MHz	2.564415000 GHz	-44.85 dBm	-31.85 dB
3	3	2.5650 GHz	2.5690 GHz	1.000 MHz	2.568900000 GHz	-44.33 dBm	-34.33 dB
4	4	2.5690 GHz	2.5700 GHz	390.0 kHz	2.569915000 GHz	-47.64 dBm	-37.53 dB
5	5	2.5700 GHz	2.5900 GHz	510.0 kHz	2.587360000 GHz	-1.568 dBm	-51.57 dB

Band38_20MHz_QPSK_37850_100RB#0

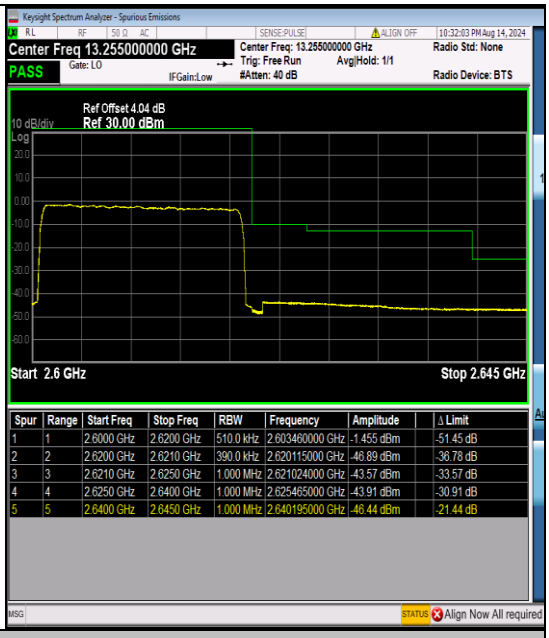


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6000 GHz	2.6200 GHz	510.0 kHz	2.603020000 GHz	-0.457 dBm	-50.46 dB
2	2	2.6200 GHz	2.6210 GHz	390.0 kHz	2.620006000 GHz	-46.35 dBm	-36.24 dB
3	3	2.6210 GHz	2.6250 GHz	1.000 MHz	2.621460000 GHz	-43.22 dBm	-33.22 dB
4	4	2.6250 GHz	2.6400 GHz	1.000 MHz	2.625495000 GHz	-44.09 dBm	-31.09 dB
5	5	2.6400 GHz	2.6450 GHz	1.000 MHz	2.641970000 GHz	-46.59 dBm	-21.59 dB

Band38_20MHz_QPSK_38150_100RB#0



Band38_20MHz_16QAM_37850_100RB#0



Band38_20MHz_16QAM_38150_100RB#0

Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	0.009~0.15	-71.05	PASS
Band38	5MHz	QPSK	37775	25RB#0	0.15~30	-62.55	PASS
Band38	5MHz	QPSK	37775	25RB#0	30~1000	-66.57	PASS
Band38	5MHz	QPSK	37775	25RB#0	1000~20000	-46.02	PASS
Band38	5MHz	QPSK	37775	25RB#0	20000~27000	-39.91	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.009~0.15	-69.39	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.15~30	-64.50	PASS
Band38	5MHz	QPSK	38000	25RB#0	30~1000	-66.55	PASS
Band38	5MHz	QPSK	38000	25RB#0	1000~20000	-45.78	PASS
Band38	5MHz	QPSK	38000	25RB#0	20000~27000	-40.25	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.009~0.15	-71.22	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.15~30	-62.21	PASS
Band38	5MHz	QPSK	38225	25RB#0	30~1000	-66.34	PASS
Band38	5MHz	QPSK	38225	25RB#0	1000~20000	-46.33	PASS
Band38	5MHz	QPSK	38225	25RB#0	20000~27000	-40.53	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.009~0.15	-71.59	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.15~30	-64.05	PASS
Band38	5MHz	16QAM	37775	25RB#0	30~1000	-66.39	PASS
Band38	5MHz	16QAM	37775	25RB#0	1000~20000	-46.12	PASS
Band38	5MHz	16QAM	37775	25RB#0	20000~27000	-40.10	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.009~0.15	-70.02	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.15~30	-60.78	PASS
Band38	5MHz	16QAM	38000	25RB#0	30~1000	-66.56	PASS
Band38	5MHz	16QAM	38000	25RB#0	1000~20000	-45.14	PASS
Band38	5MHz	16QAM	38000	25RB#0	20000~27000	-40.20	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.009~0.15	-70.91	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.15~30	-63.49	PASS
Band38	5MHz	16QAM	38225	25RB#0	30~1000	-66.40	PASS
Band38	5MHz	16QAM	38225	25RB#0	1000~20000	-46.04	PASS
Band38	5MHz	16QAM	38225	25RB#0	20000~27000	-40.14	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.009~0.15	-70.02	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.15~30	-63.02	PASS
Band38	10MHz	QPSK	37800	50RB#0	30~1000	-66.56	PASS
Band38	10MHz	QPSK	37800	50RB#0	1000~20000	-46.13	PASS
Band38	10MHz	QPSK	37800	50RB#0	20000~27000	-39.78	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.009~0.15	-69.06	PASS

Band38	10MHz	QPSK	38000	50RB#0	0.15~30	-59.70	PASS
Band38	10MHz	QPSK	38000	50RB#0	30~1000	-66.91	PASS
Band38	10MHz	QPSK	38000	50RB#0	1000~20000	-45.57	PASS
Band38	10MHz	QPSK	38000	50RB#0	20000~27000	-39.78	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.009~0.15	-70.98	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.15~30	-63.36	PASS
Band38	10MHz	QPSK	38200	50RB#0	30~1000	-66.59	PASS
Band38	10MHz	QPSK	38200	50RB#0	1000~20000	-45.32	PASS
Band38	10MHz	QPSK	38200	50RB#0	20000~27000	-40.26	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.009~0.15	-70.37	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.15~30	-63.25	PASS
Band38	10MHz	16QAM	37800	50RB#0	30~1000	-67.09	PASS
Band38	10MHz	16QAM	37800	50RB#0	1000~20000	-45.77	PASS
Band38	10MHz	16QAM	37800	50RB#0	20000~27000	-40.32	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.009~0.15	-73.22	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.15~30	-61.25	PASS
Band38	10MHz	16QAM	38000	50RB#0	30~1000	-66.80	PASS
Band38	10MHz	16QAM	38000	50RB#0	1000~20000	-46.09	PASS
Band38	10MHz	16QAM	38000	50RB#0	20000~27000	-39.76	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.009~0.15	-70.29	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.15~30	-63.38	PASS
Band38	10MHz	16QAM	38200	50RB#0	30~1000	-66.90	PASS
Band38	10MHz	16QAM	38200	50RB#0	1000~20000	-45.89	PASS
Band38	10MHz	16QAM	38200	50RB#0	20000~27000	-40.10	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.009~0.15	-69.73	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.15~30	-64.91	PASS
Band38	15MHz	QPSK	37825	75RB#0	30~1000	-66.62	PASS
Band38	15MHz	QPSK	37825	75RB#0	1000~20000	-45.24	PASS
Band38	15MHz	QPSK	37825	75RB#0	20000~27000	-40.29	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.009~0.15	-71.88	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.15~30	-62.60	PASS
Band38	15MHz	QPSK	38000	75RB#0	30~1000	-66.84	PASS
Band38	15MHz	QPSK	38000	75RB#0	1000~20000	-45.70	PASS
Band38	15MHz	QPSK	38000	75RB#0	20000~27000	-40.26	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.009~0.15	-70.67	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.15~30	-65.84	PASS
Band38	15MHz	QPSK	38175	75RB#0	30~1000	-66.92	PASS
Band38	15MHz	QPSK	38175	75RB#0	1000~20000	-45.57	PASS
Band38	15MHz	QPSK	38175	75RB#0	20000~27000	-40.26	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.009~0.15	-73.22	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.15~30	-62.89	PASS
Band38	15MHz	16QAM	37825	75RB#0	30~1000	-66.50	PASS
Band38	15MHz	16QAM	37825	75RB#0	1000~20000	-46.00	PASS

Band38	15MHz	16QAM	37825	75RB#0	20000~27000	-40.16	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.009~0.15	-70.03	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.15~30	-63.32	PASS
Band38	15MHz	16QAM	38000	75RB#0	30~1000	-67.07	PASS
Band38	15MHz	16QAM	38000	75RB#0	1000~20000	-46.07	PASS
Band38	15MHz	16QAM	38000	75RB#0	20000~27000	-40.36	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.009~0.15	-72.63	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.15~30	-61.55	PASS
Band38	15MHz	16QAM	38175	75RB#0	30~1000	-66.76	PASS
Band38	15MHz	16QAM	38175	75RB#0	1000~20000	-45.47	PASS
Band38	15MHz	16QAM	38175	75RB#0	20000~27000	-40.22	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.009~0.15	-71.51	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.15~30	-64.08	PASS
Band38	20MHz	QPSK	37850	100RB#0	30~1000	-66.33	PASS
Band38	20MHz	QPSK	37850	100RB#0	1000~20000	-45.83	PASS
Band38	20MHz	QPSK	37850	100RB#0	20000~27000	-39.91	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.009~0.15	-69.23	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.15~30	-61.10	PASS
Band38	20MHz	QPSK	38000	100RB#0	30~1000	-66.44	PASS
Band38	20MHz	QPSK	38000	100RB#0	1000~20000	-45.77	PASS
Band38	20MHz	QPSK	38000	100RB#0	20000~27000	-39.97	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.009~0.15	-72.10	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.15~30	-60.07	PASS
Band38	20MHz	QPSK	38150	100RB#0	30~1000	-66.44	PASS
Band38	20MHz	QPSK	38150	100RB#0	1000~20000	-45.85	PASS
Band38	20MHz	QPSK	38150	100RB#0	20000~27000	-40.34	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.009~0.15	-68.65	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.15~30	-60.72	PASS
Band38	20MHz	16QAM	37850	100RB#0	30~1000	-66.53	PASS
Band38	20MHz	16QAM	37850	100RB#0	1000~20000	-45.92	PASS
Band38	20MHz	16QAM	37850	100RB#0	20000~27000	-40.10	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.009~0.15	-70.13	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.15~30	-59.01	PASS
Band38	20MHz	16QAM	38000	100RB#0	30~1000	-66.36	PASS
Band38	20MHz	16QAM	38000	100RB#0	1000~20000	-45.65	PASS
Band38	20MHz	16QAM	38000	100RB#0	20000~27000	-40.31	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.009~0.15	-70.55	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.15~30	-64.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	30~1000	-66.48	PASS
Band38	20MHz	16QAM	38150	100RB#0	1000~20000	-46.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20000~27000	-40.00	PASS