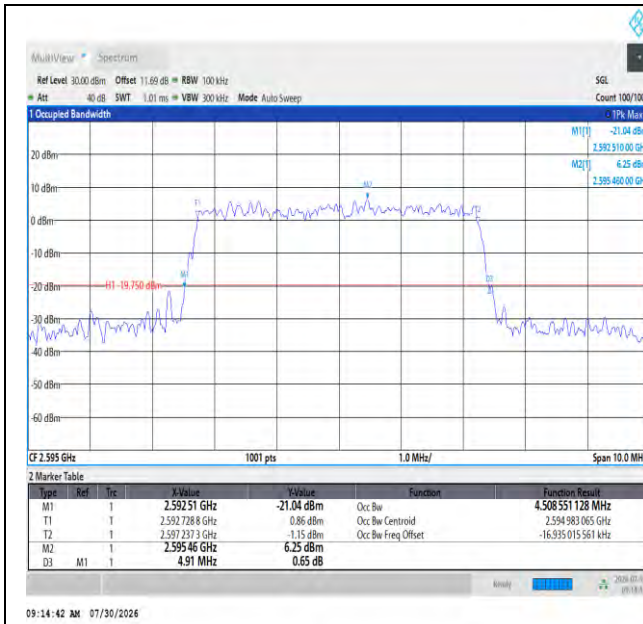
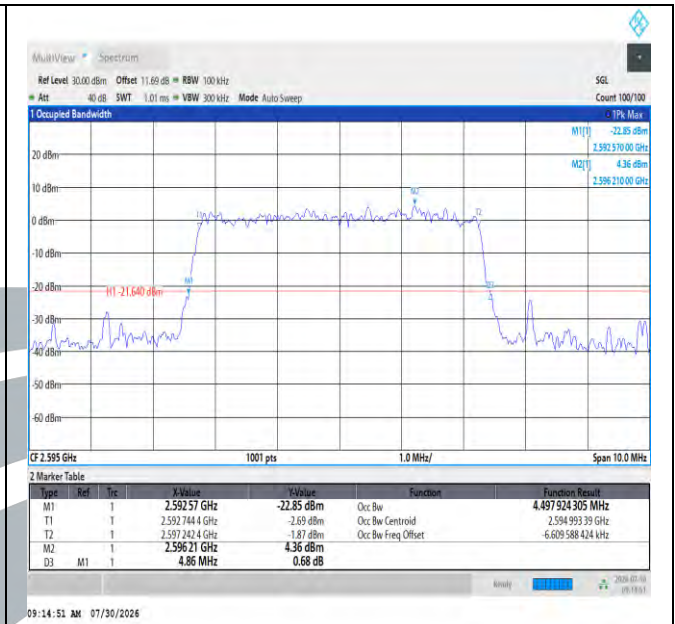
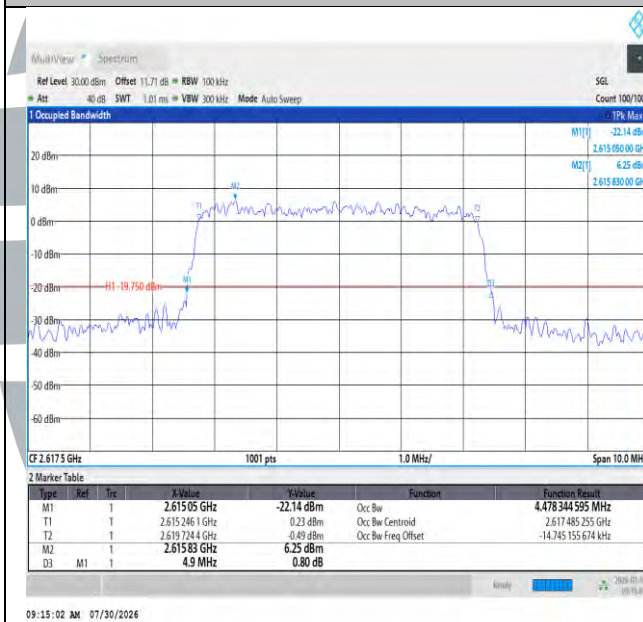




Band38-5MHz-16QAM-38000-25RB#0-PASS



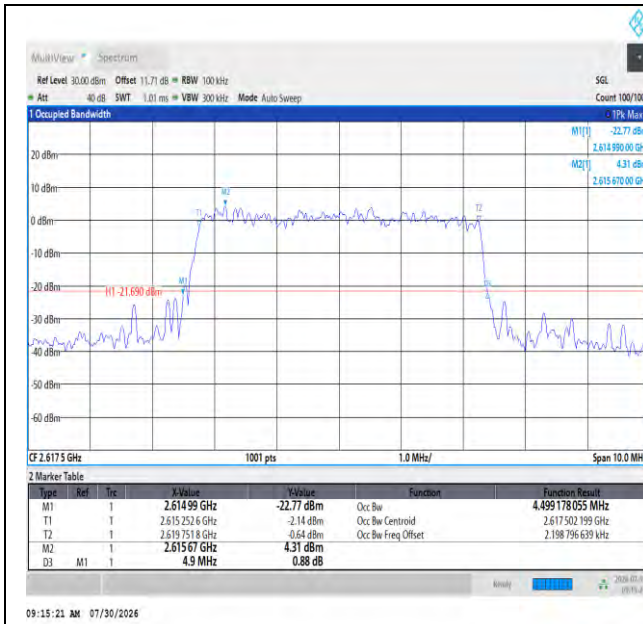
Band38-5MHz-64QAM-38000-25RB#0-PASS



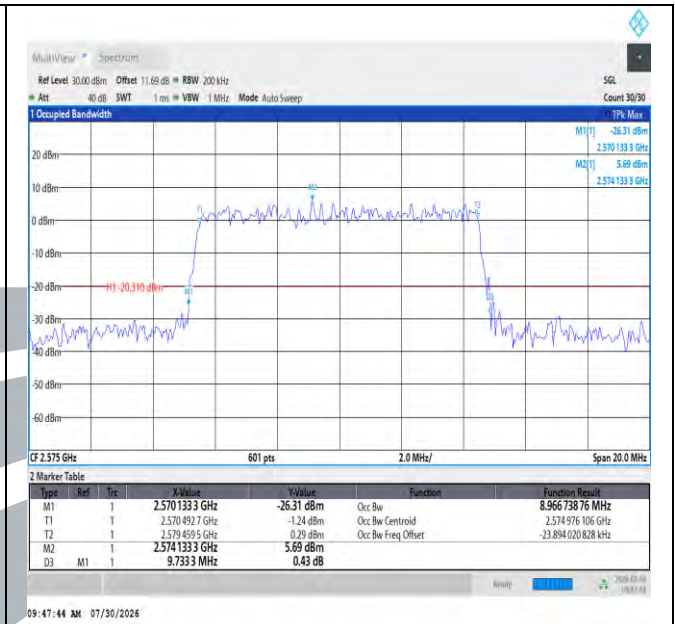
Band38-5MHz-QPSK-38225-25RB#0-PASS



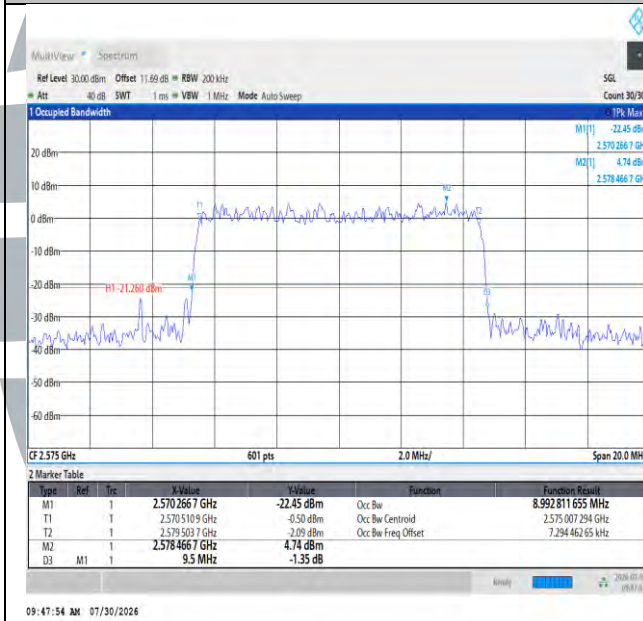
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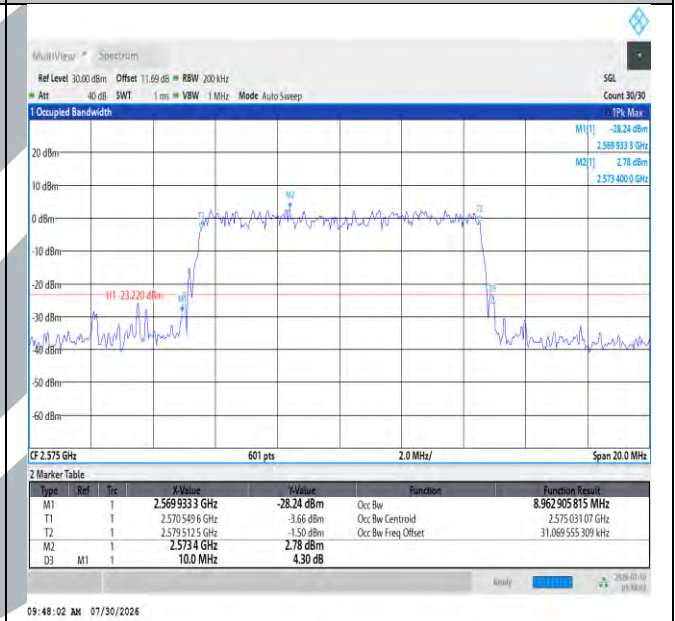
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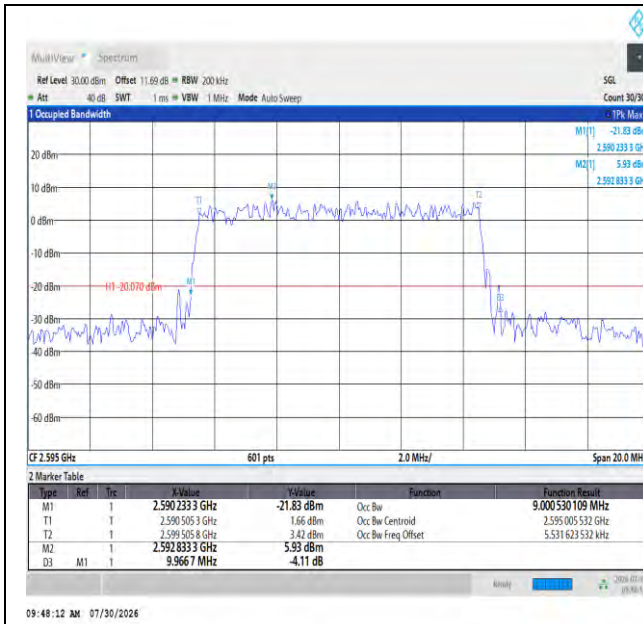
Band38-10MHz-QPSK-37800-50RB#0-PASS



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



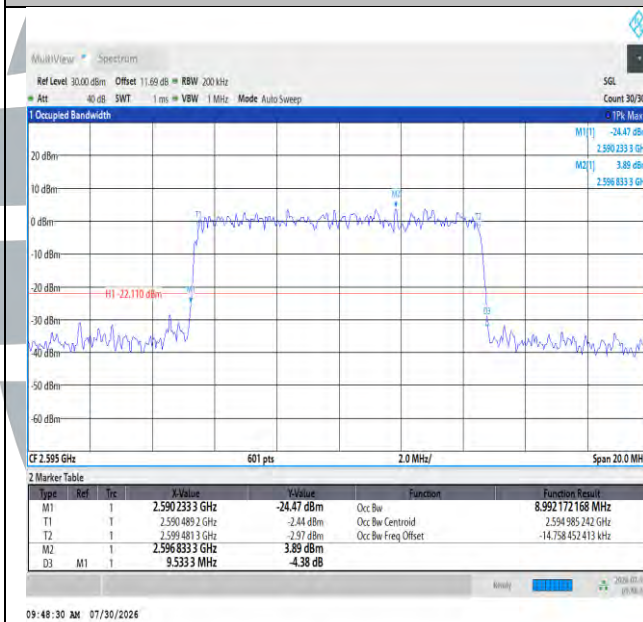
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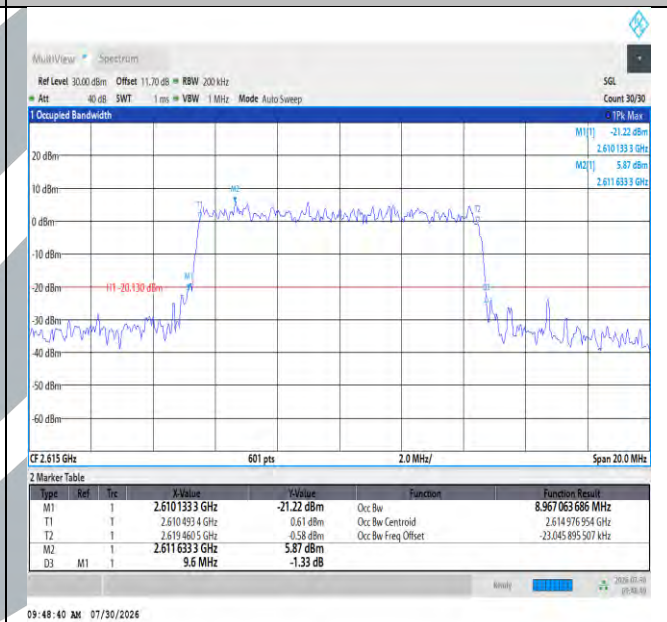
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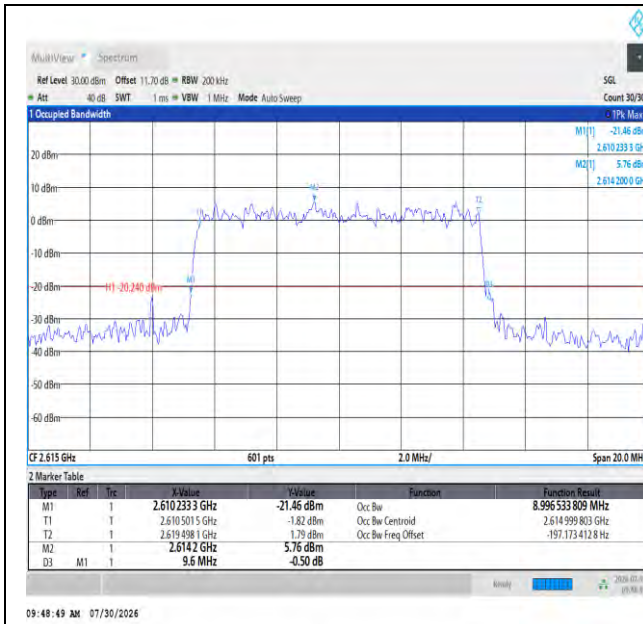
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Band38-10MHz-64QAM-38000-50RB#0-PASS



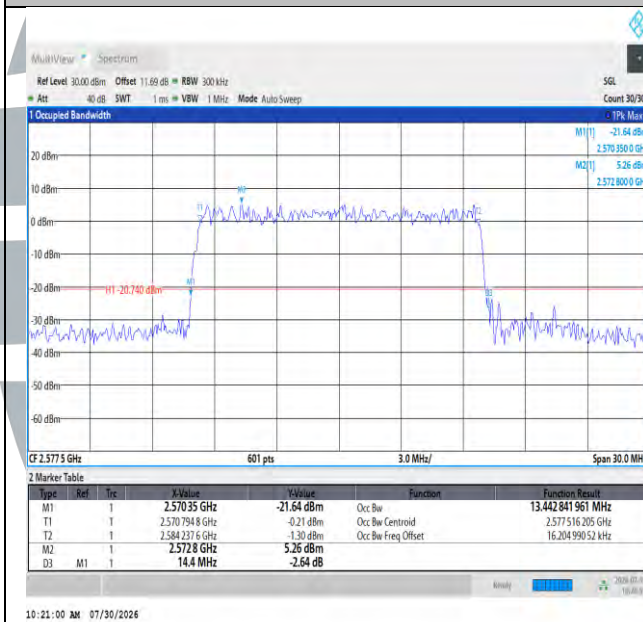
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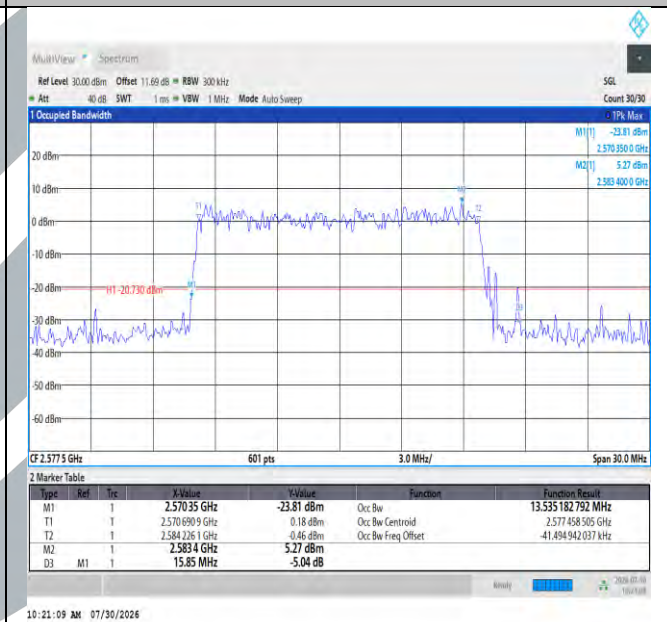
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Band38-10MHz-64QAM-38200-50RB#0-PASS



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



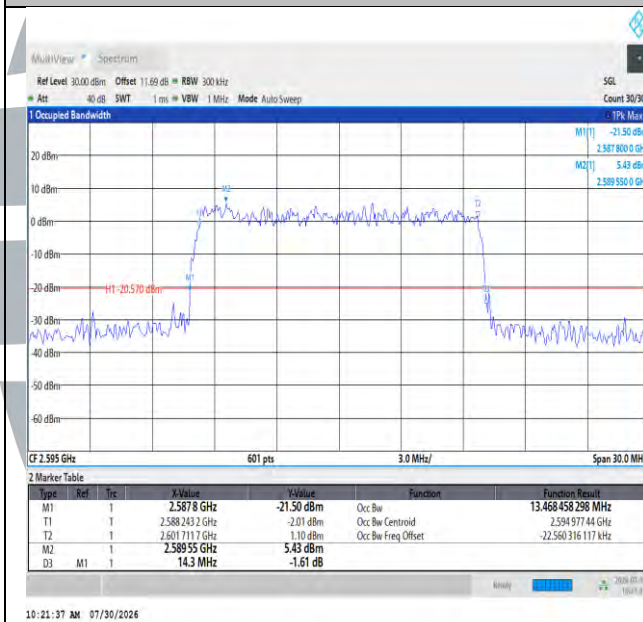
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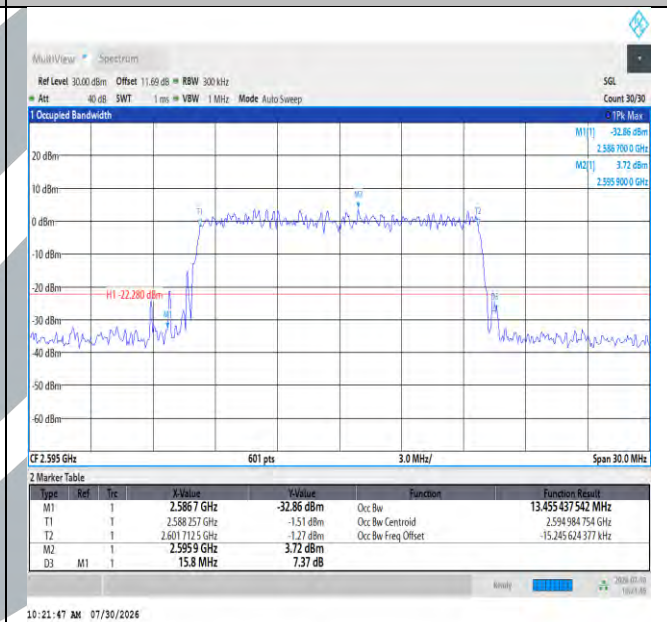
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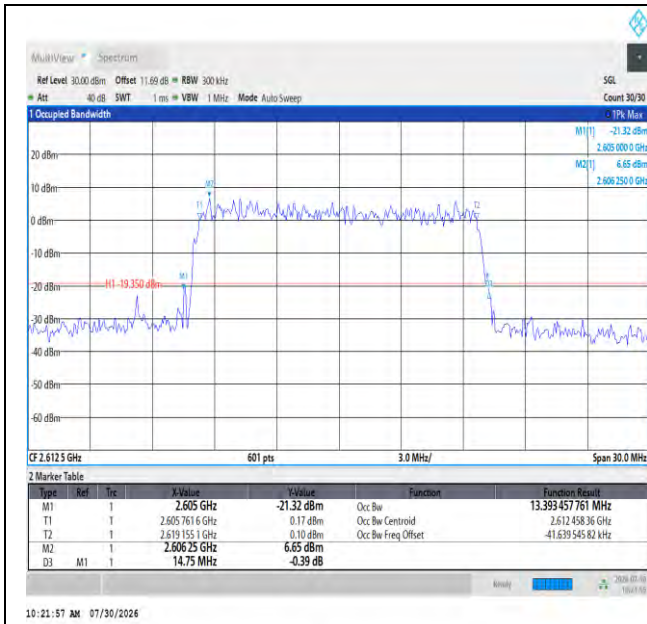
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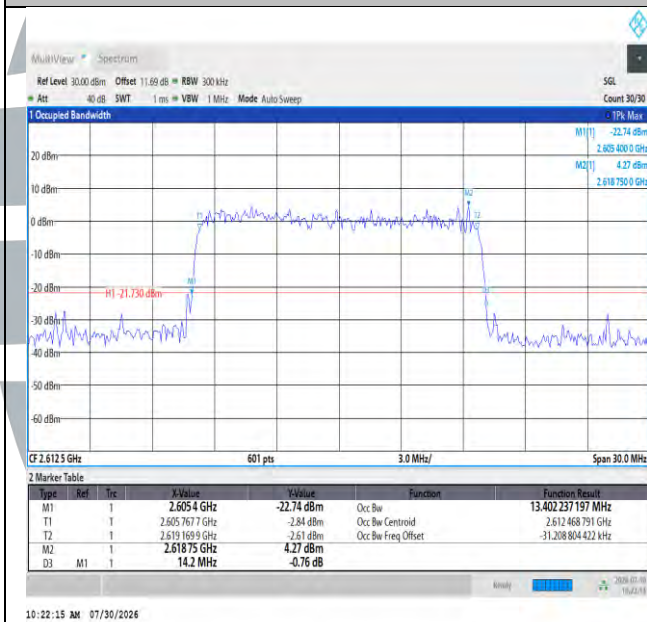
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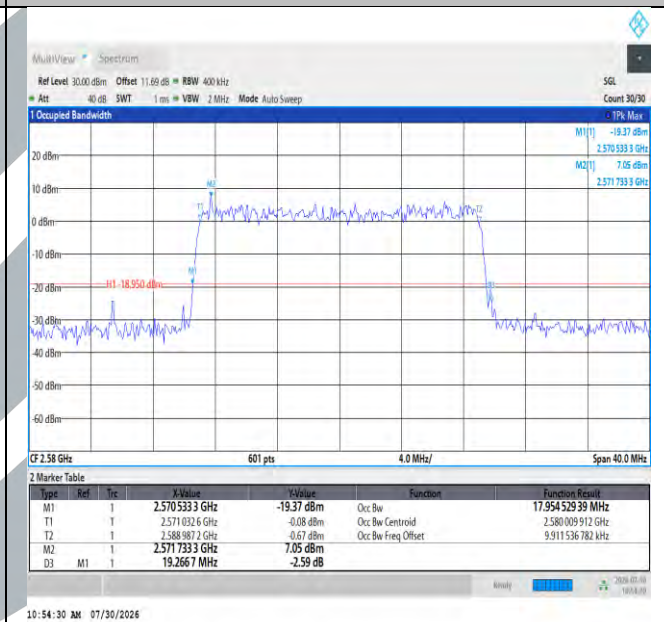
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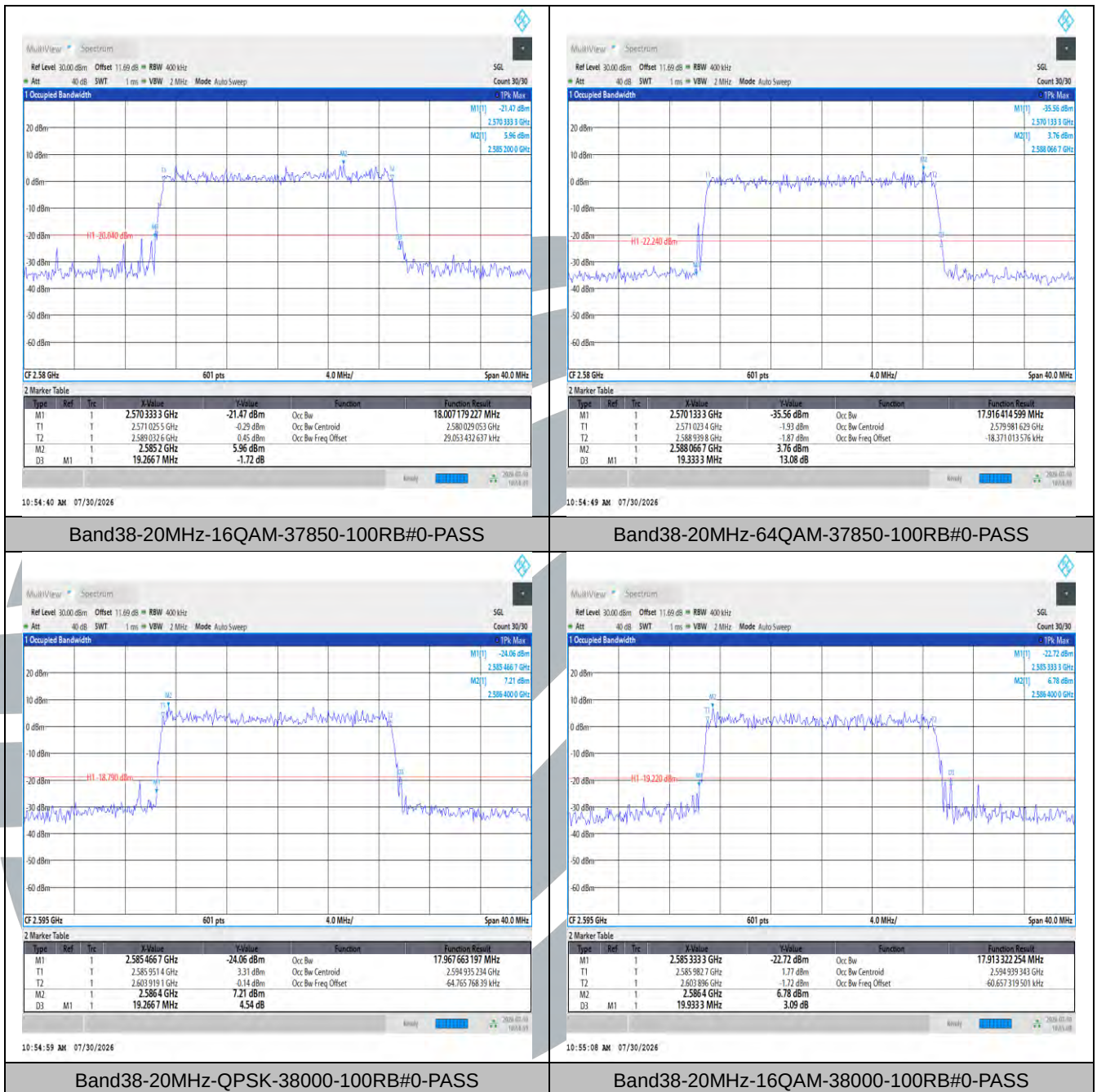
Band38-15MHz-16QAM-38175-75RB#0-PASS

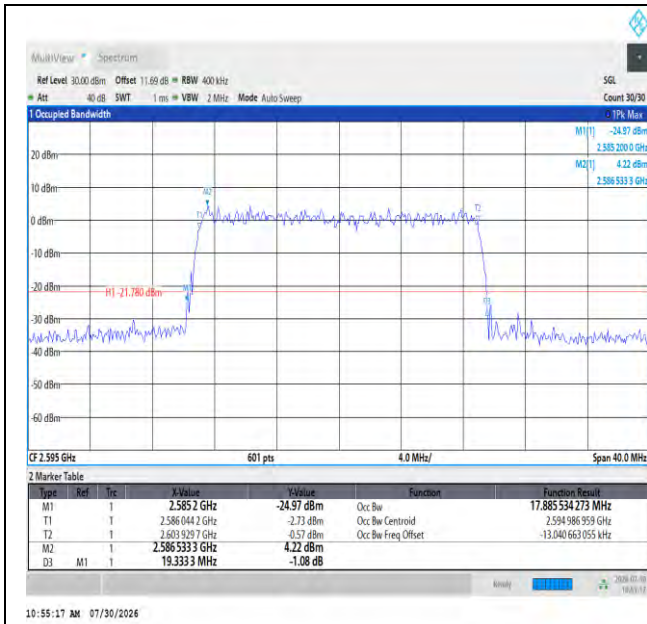


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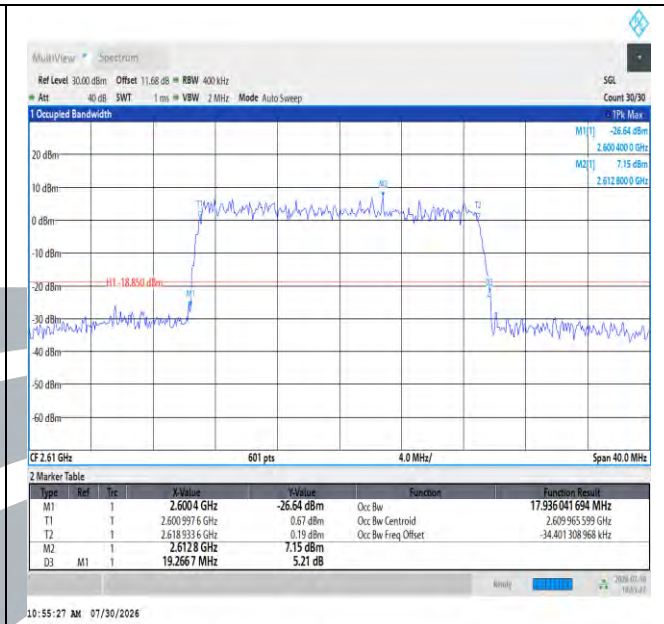


Band38-20MHz-QPSK-37850-100RB#0-PASS

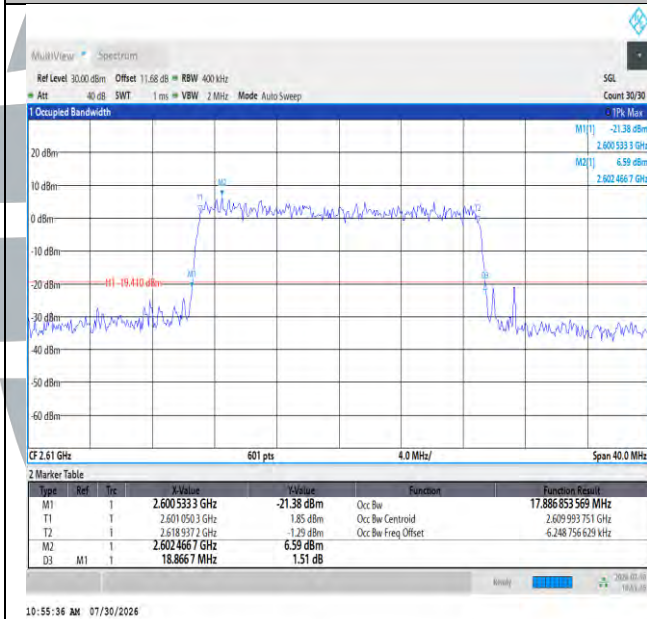




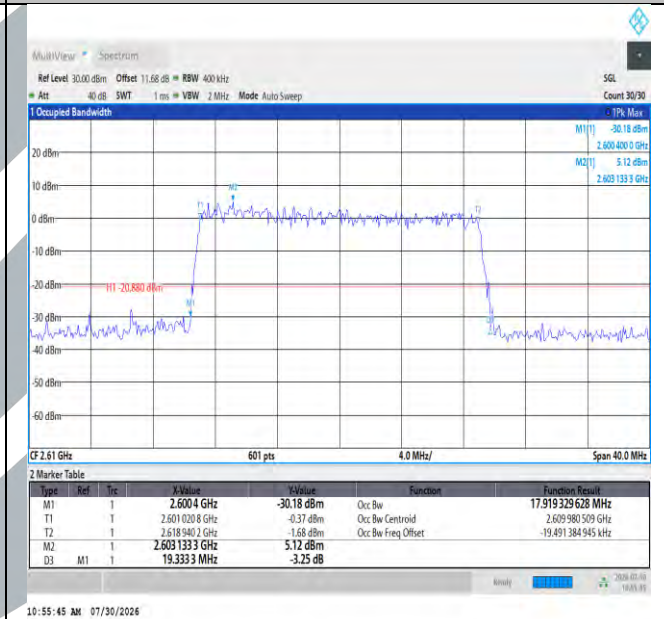
Band38-20MHz-64QAM-38000-100RB#0-PASS



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



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



Band38-20MHz-64QAM-38150-100RB#0-PASS

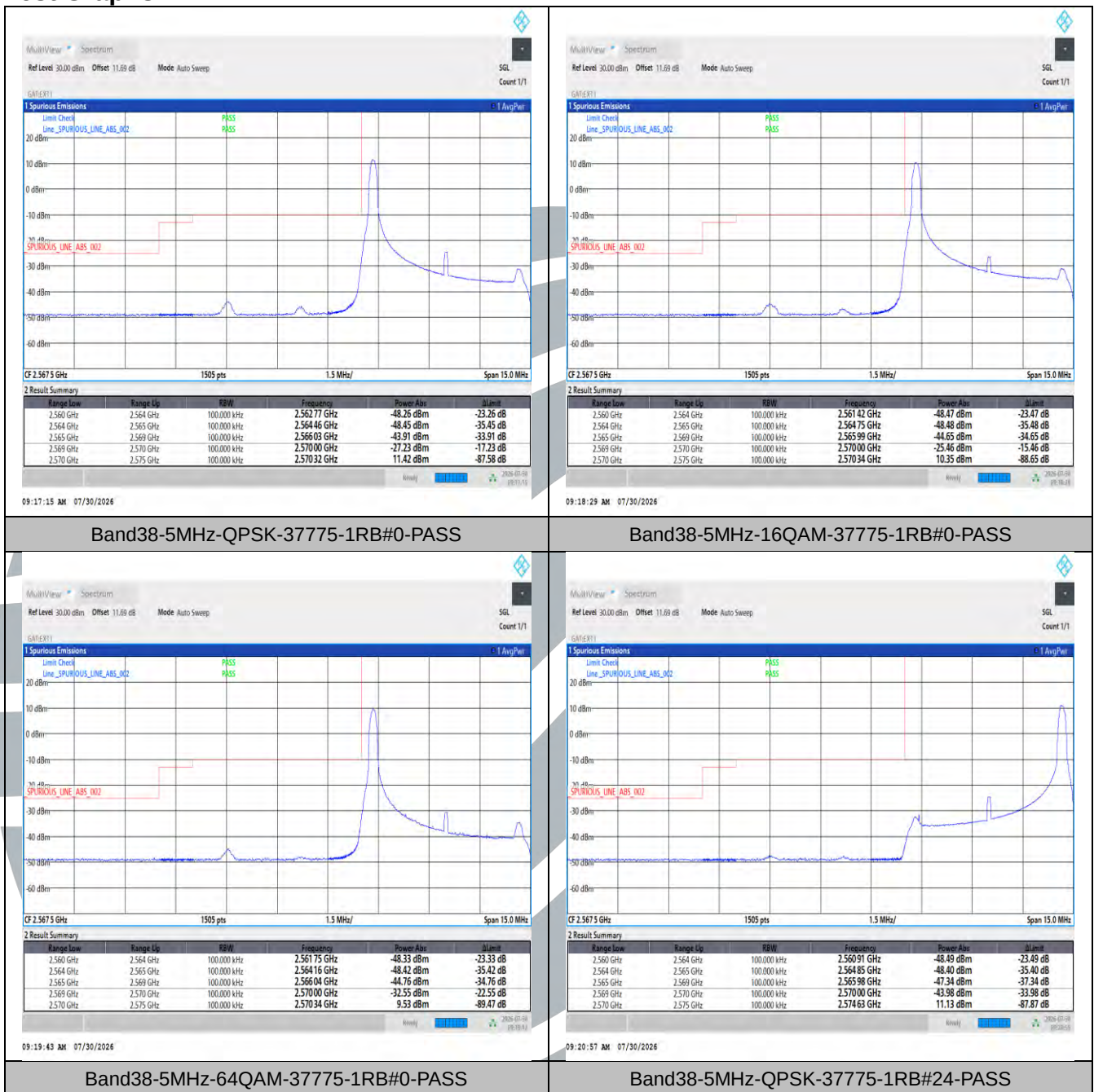
G.3 BAND EDGE

Test Result

Band	Bandwidth (MHz)	Modulation	Channel	RB Configuration	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	-27.23	PASS
Band38	5MHz	16QAM	37775	1RB#0	-25.46	PASS
Band38	5MHz	64QAM	37775	1RB#0	-32.55	PASS
Band38	5MHz	QPSK	37775	1RB#24	-48.49	PASS
Band38	5MHz	16QAM	37775	1RB#24	-48.33	PASS
Band38	5MHz	64QAM	37775	1RB#24	-48.50	PASS
Band38	5MHz	QPSK	37775	25RB#0	-47.75	PASS
Band38	5MHz	16QAM	37775	25RB#0	-47.88	PASS
Band38	5MHz	64QAM	37775	25RB#0	-48.26	PASS
Band38	5MHz	QPSK	38225	1RB#0	-48.27	PASS
Band38	5MHz	16QAM	38225	1RB#0	-48.38	PASS
Band38	5MHz	64QAM	38225	1RB#0	-48.28	PASS
Band38	5MHz	QPSK	38225	1RB#24	-26.69	PASS
Band38	5MHz	16QAM	38225	1RB#24	-26.98	PASS
Band38	5MHz	64QAM	38225	1RB#24	-28.27	PASS
Band38	5MHz	QPSK	38225	25RB#0	-47.96	PASS
Band38	5MHz	16QAM	38225	25RB#0	-47.90	PASS
Band38	5MHz	64QAM	38225	25RB#0	-48.14	PASS
Band38	10MHz	QPSK	37800	1RB#0	-30.12	PASS
Band38	10MHz	16QAM	37800	1RB#0	-45.62	PASS
Band38	10MHz	64QAM	37800	1RB#0	-29.77	PASS
Band38	10MHz	QPSK	37800	1RB#49	-45.40	PASS
Band38	10MHz	16QAM	37800	1RB#49	-45.59	PASS
Band38	10MHz	64QAM	37800	1RB#49	-45.69	PASS
Band38	10MHz	QPSK	37800	50RB#0	-44.78	PASS
Band38	10MHz	16QAM	37800	50RB#0	-44.81	PASS
Band38	10MHz	64QAM	37800	50RB#0	-45.22	PASS
Band38	10MHz	QPSK	38200	1RB#0	-45.30	PASS
Band38	10MHz	16QAM	38200	1RB#0	-45.39	PASS
Band38	10MHz	64QAM	38200	1RB#0	-45.50	PASS
Band38	10MHz	QPSK	38200	1RB#49	-30.15	PASS
Band38	10MHz	16QAM	38200	1RB#49	-28.27	PASS
Band38	10MHz	64QAM	38200	1RB#49	-45.34	PASS
Band38	10MHz	QPSK	38200	50RB#0	-44.74	PASS
Band38	10MHz	16QAM	38200	50RB#0	-44.57	PASS
Band38	10MHz	64QAM	38200	50RB#0	-45.16	PASS
Band38	15MHz	QPSK	37825	1RB#0	-43.93	PASS
Band38	15MHz	16QAM	37825	1RB#0	-27.82	PASS

Band38	15MHz	64QAM	37825	1RB#0	-43.91	PASS
Band38	15MHz	QPSK	37825	1RB#74	-43.90	PASS
Band38	15MHz	16QAM	37825	1RB#74	-43.92	PASS
Band38	15MHz	64QAM	37825	1RB#74	-43.83	PASS
Band38	15MHz	QPSK	37825	75RB#0	-43.30	PASS
Band38	15MHz	16QAM	37825	75RB#0	-43.33	PASS
Band38	15MHz	64QAM	37825	75RB#0	-43.79	PASS
Band38	15MHz	QPSK	38175	1RB#0	-43.73	PASS
Band38	15MHz	16QAM	38175	1RB#0	-43.71	PASS
Band38	15MHz	64QAM	38175	1RB#0	-43.67	PASS
Band38	15MHz	QPSK	38175	1RB#74	-43.75	PASS
Band38	15MHz	16QAM	38175	1RB#74	-43.70	PASS
Band38	15MHz	64QAM	38175	1RB#74	-43.65	PASS
Band38	15MHz	QPSK	38175	75RB#0	-43.04	PASS
Band38	15MHz	16QAM	38175	75RB#0	-43.25	PASS
Band38	15MHz	64QAM	38175	75RB#0	-43.55	PASS
Band38	20MHz	QPSK	37850	1RB#0	-41.68	PASS
Band38	20MHz	16QAM	37850	1RB#0	-41.83	PASS
Band38	20MHz	64QAM	37850	1RB#0	-41.80	PASS
Band38	20MHz	QPSK	37850	1RB#99	-41.79	PASS
Band38	20MHz	16QAM	37850	1RB#99	-41.74	PASS
Band38	20MHz	64QAM	37850	1RB#99	-41.78	PASS
Band38	20MHz	QPSK	37850	100RB#0	-41.29	PASS
Band38	20MHz	16QAM	37850	100RB#0	-41.41	PASS
Band38	20MHz	64QAM	37850	100RB#0	-41.62	PASS
Band38	20MHz	QPSK	38150	1RB#0	-41.57	PASS
Band38	20MHz	16QAM	38150	1RB#0	-41.52	PASS
Band38	20MHz	64QAM	38150	1RB#0	-41.49	PASS
Band38	20MHz	QPSK	38150	1RB#99	-41.57	PASS
Band38	20MHz	16QAM	38150	1RB#99	-41.52	PASS
Band38	20MHz	64QAM	38150	1RB#99	-41.53	PASS
Band38	20MHz	QPSK	38150	100RB#0	-41.11	PASS
Band38	20MHz	16QAM	38150	100RB#0	-41.13	PASS
Band38	20MHz	64QAM	38150	100RB#0	-41.29	PASS

Test Graphs

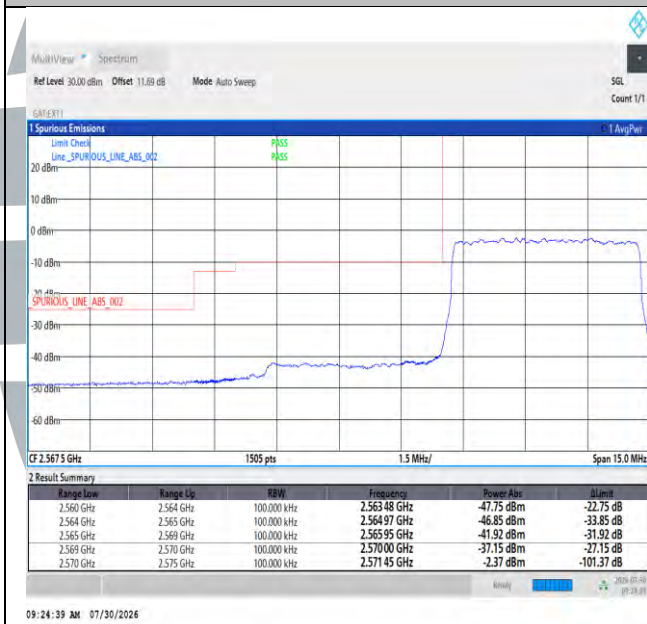




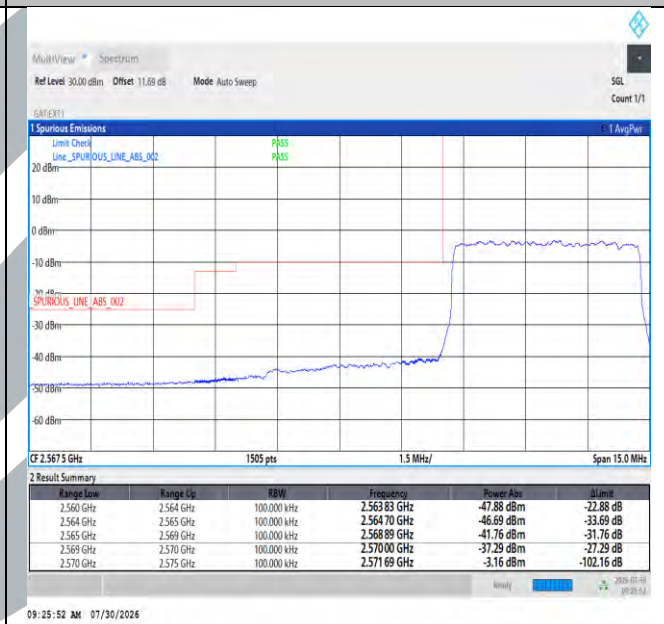
Band38-5MHz-16QAM-37775-1RB#24-PASS



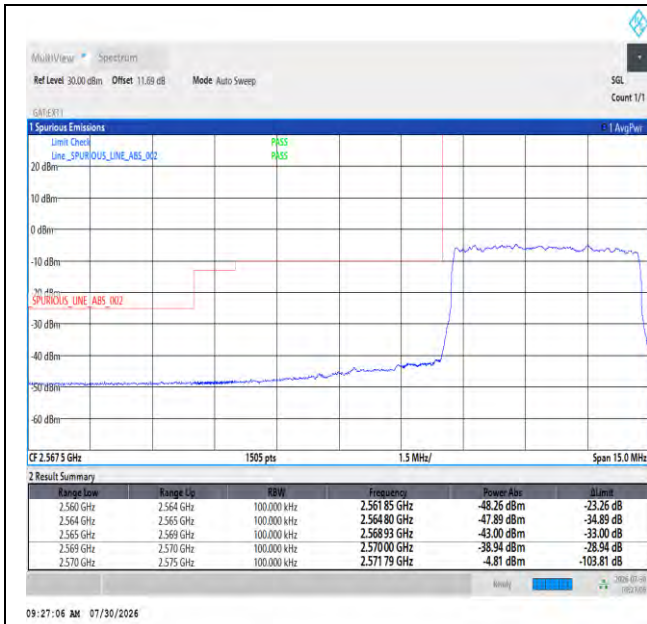
Band38-5MHz-64QAM-37775-1RB#24-PASS



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



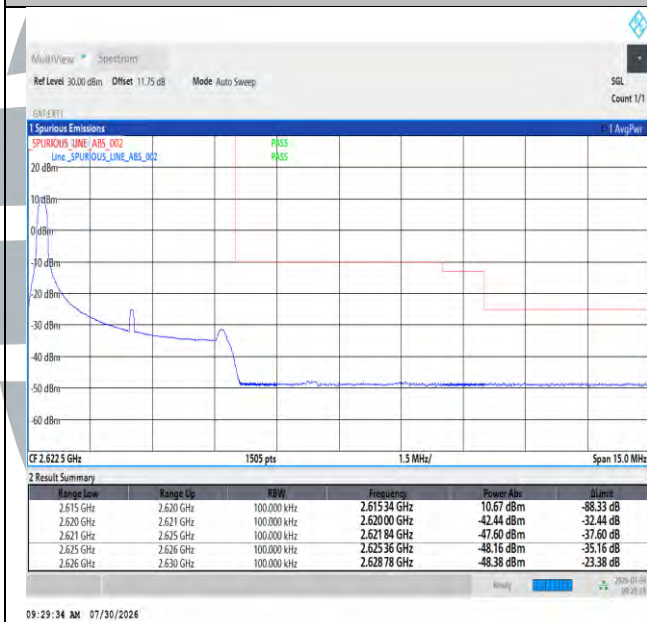
Band38-5MHz-16QAM-37775-25RB#0-PASS



Band38-5MHz-64QAM-37775-25RB#0-PASS



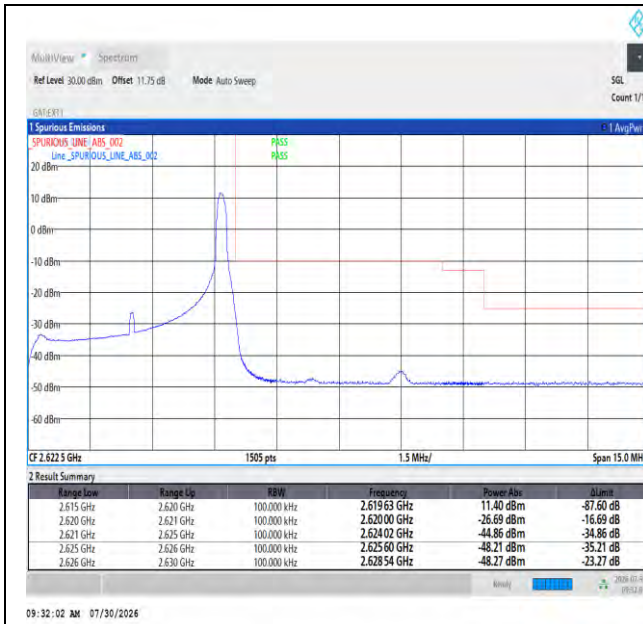
Band38-5MHz-QPSK-38225-1RB#0-PASS



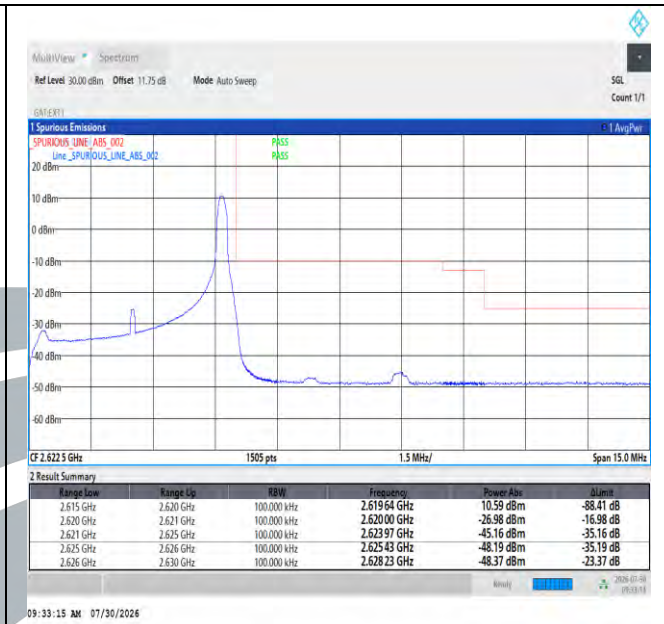
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Band38-5MHz-64QAM-38225-1RB#0-PASS



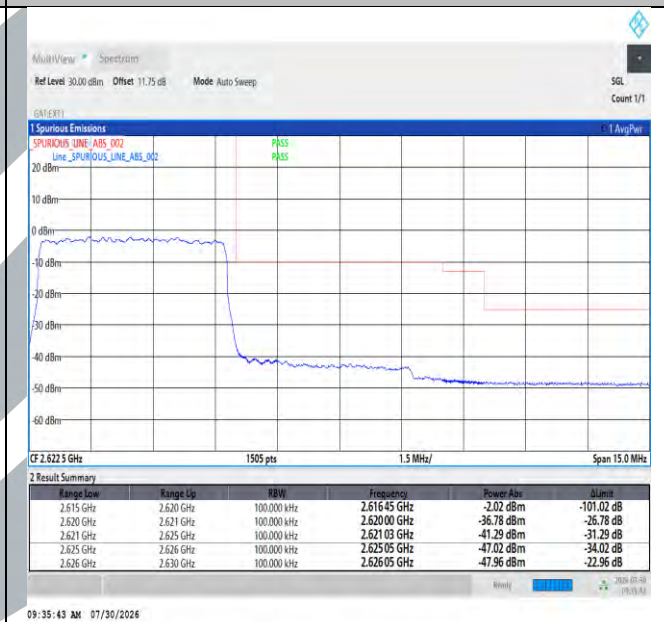
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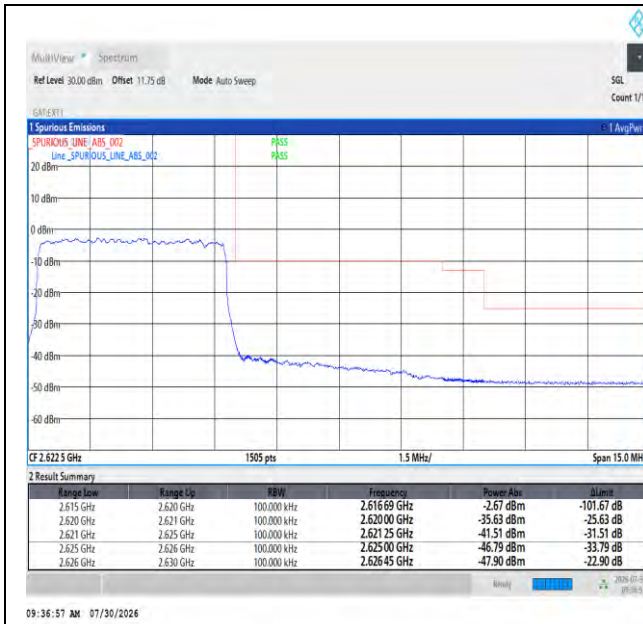
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Band38-5MHz-64QAM-38225-1RB#24-PASS



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



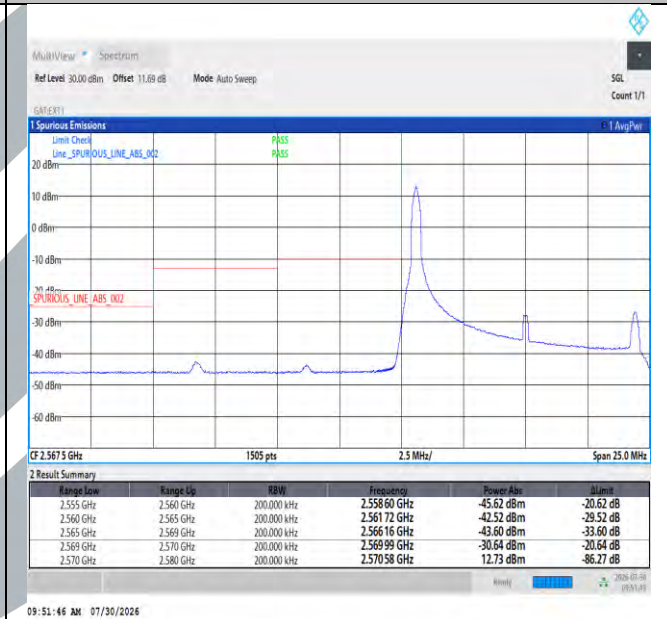
Band38-5MHz-16QAM-38225-25RB#0-PASS



Band38-5MHz-64QAM-38225-25RB#0-PASS



Band38-10MHz-QPSK-37800-1RB#0-PASS



Band38-10MHz-16QAM-37800-1RB#0-PASS



Band38-10MHz-64QAM-37800-1RB#0-PASS



Band38-10MHz-QPSK-37800-1RB#49-PASS



Band38-10MHz-16QAM-37800-1RB#49-PASS



Band38-10MHz-64QAM-37800-1RB#49-PASS





Band38-10MHz-16QAM-38200-1RB#0-PASS



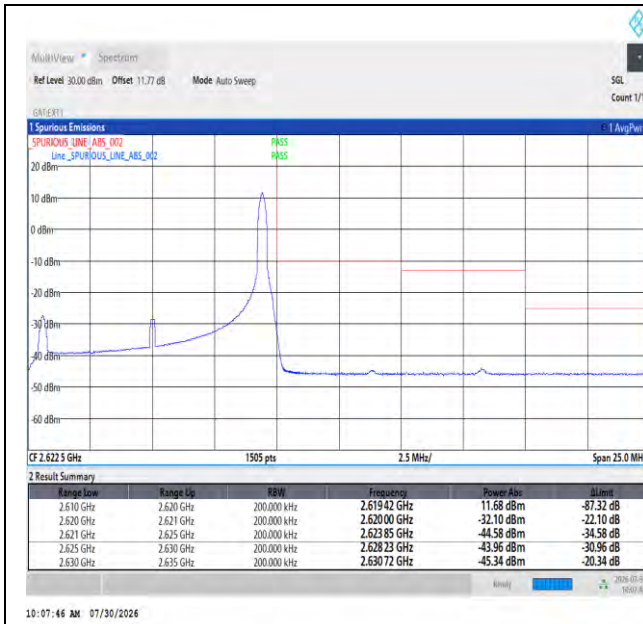
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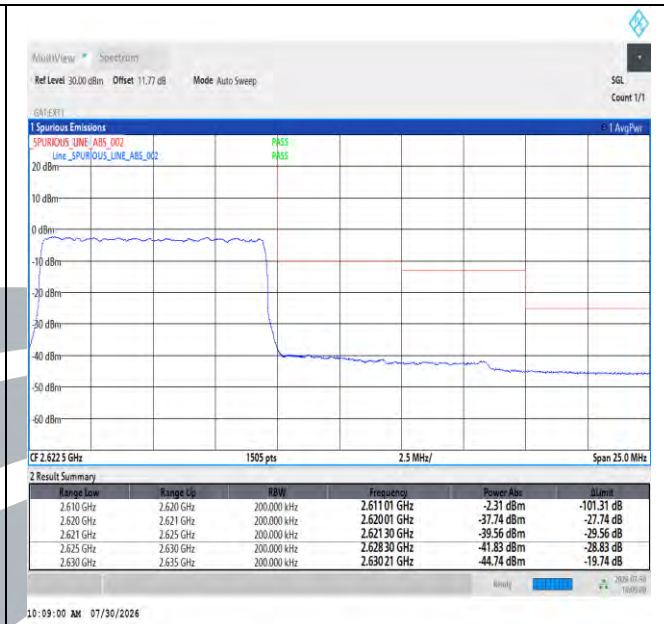
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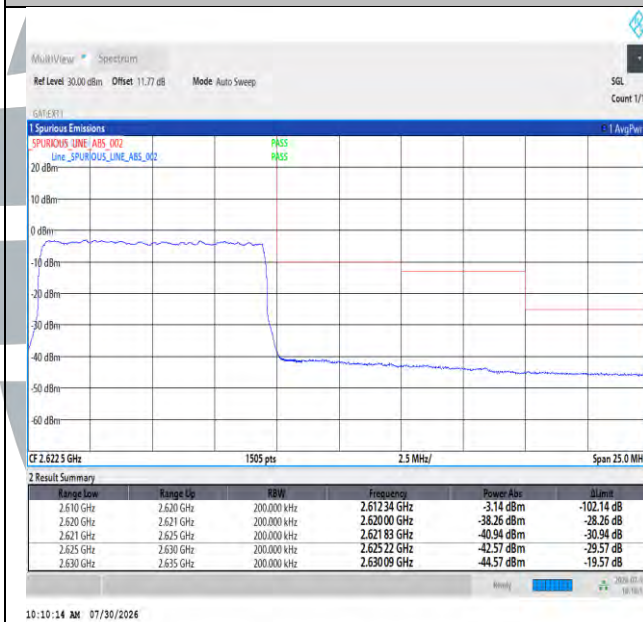
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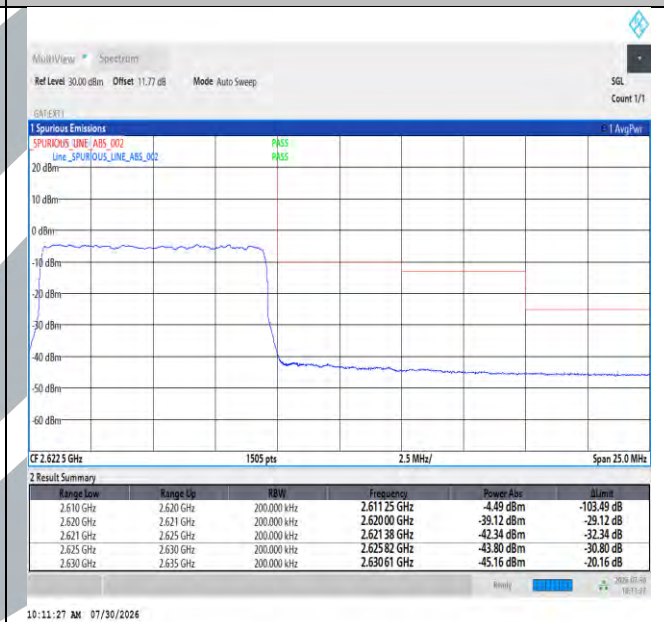
Band38-10MHz-64QAM-38200-1RB#49-PASS



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



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



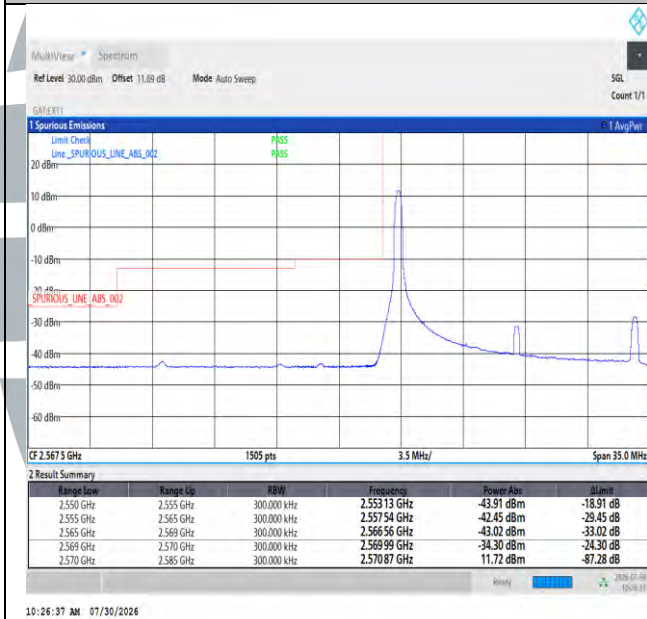
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Band38-15MHz-QPSK-37825-1RB#0-PASS



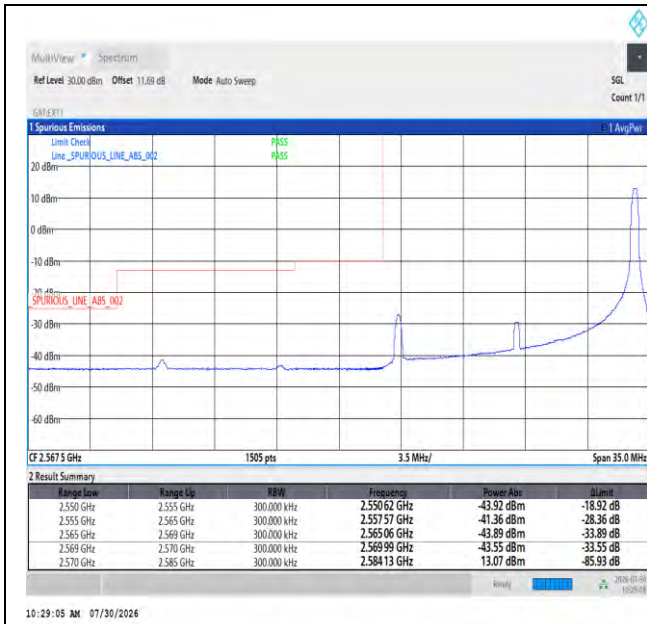
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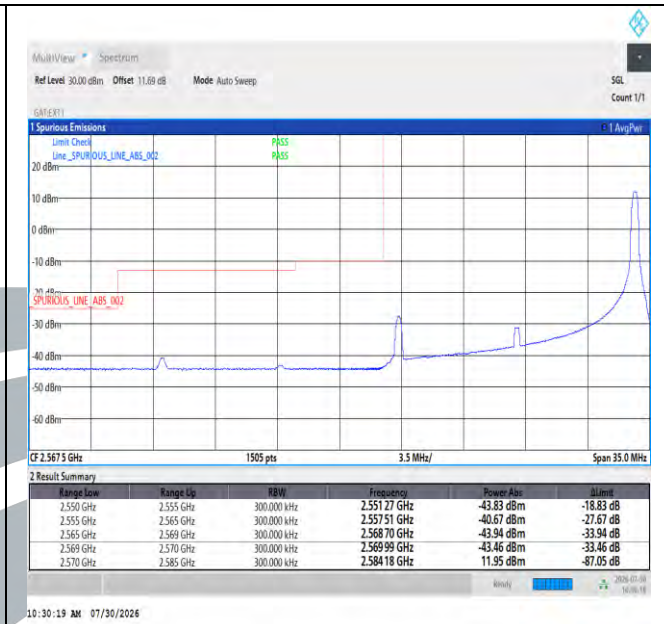
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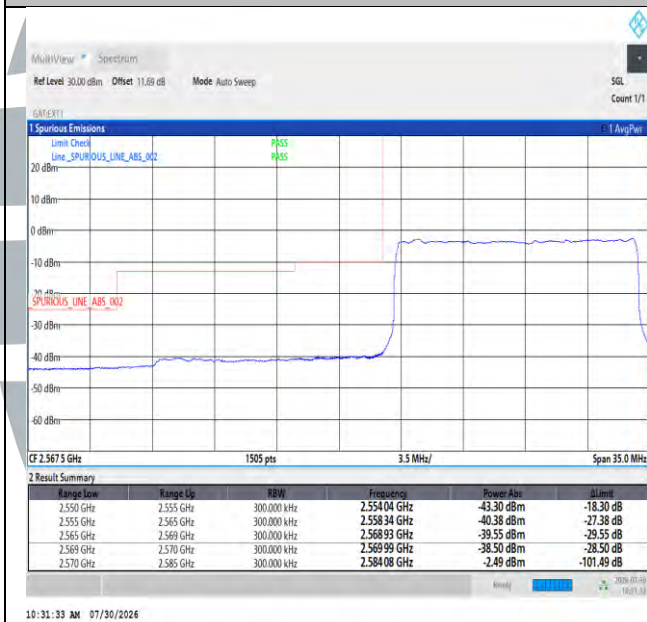
Band38-15MHz-QPSK-37825-1RB#74-PASS



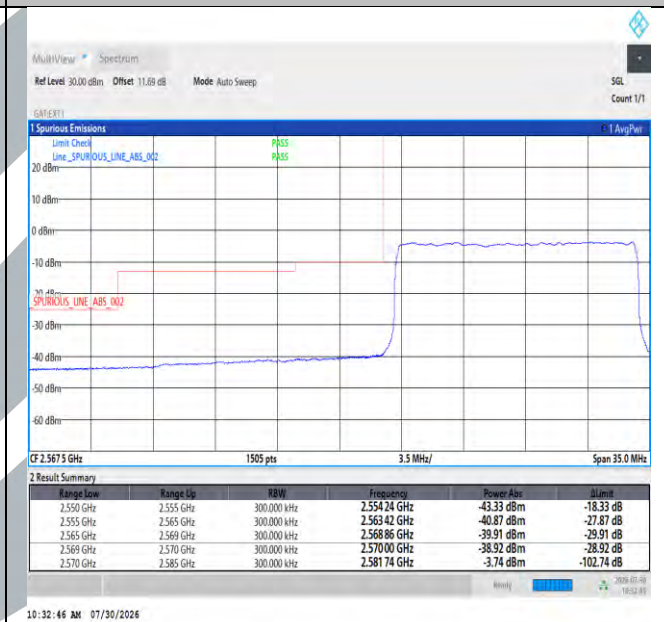
Band38-15MHz-16QAM-37825-1RB#74-PASS



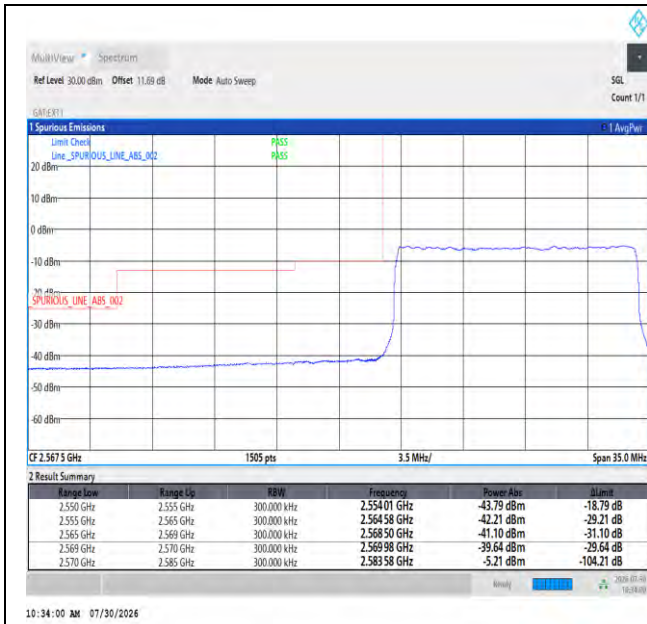
Band38-15MHz-64QAM-37825-1RB#74-PASS



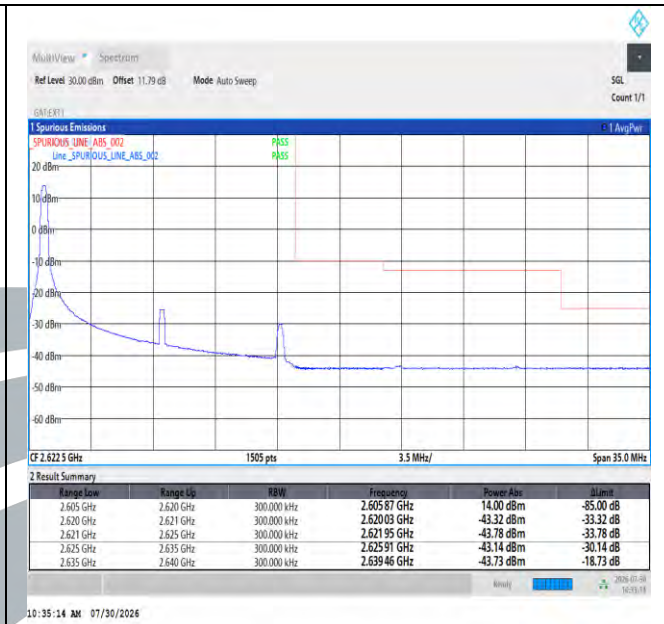
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Band38-15MHz-16QAM-37825-75RB#0-PASS



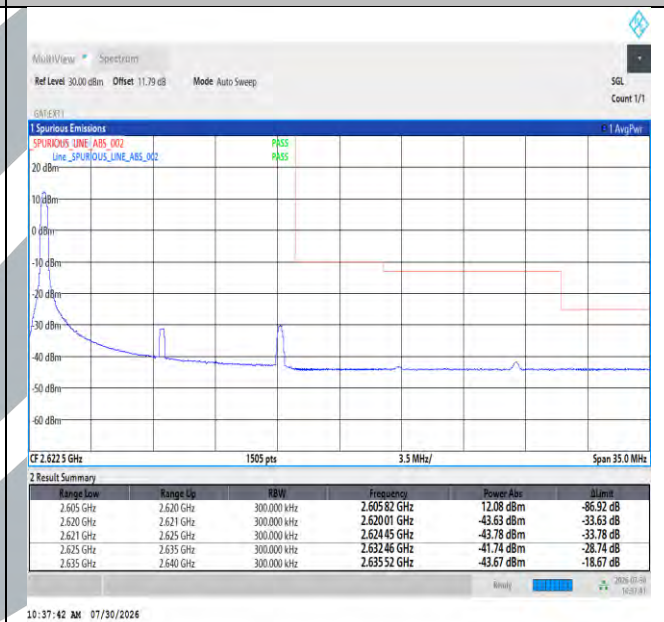
Band38-15MHz-64QAM-37825-75RB#0-PASS



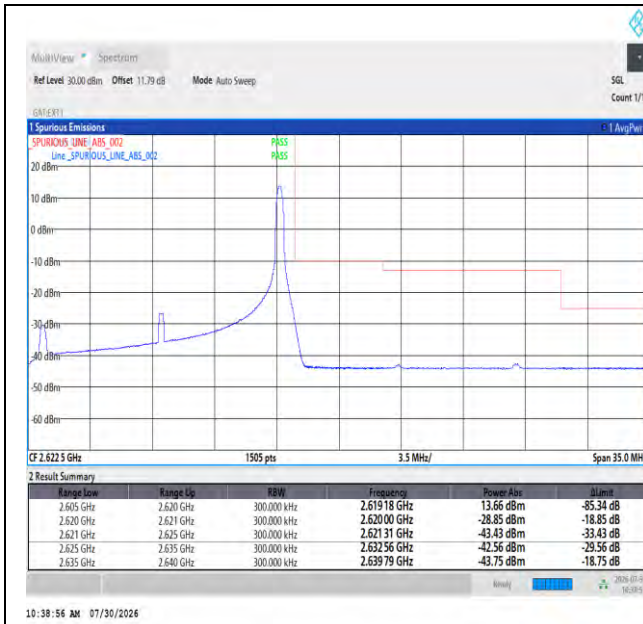
Band38-15MHz-QPSK-38175-1RB#0-PASS



Band38-15MHz-16QAM-38175-1RB#0-PASS



Band38-15MHz-64QAM-38175-1RB#0-PASS



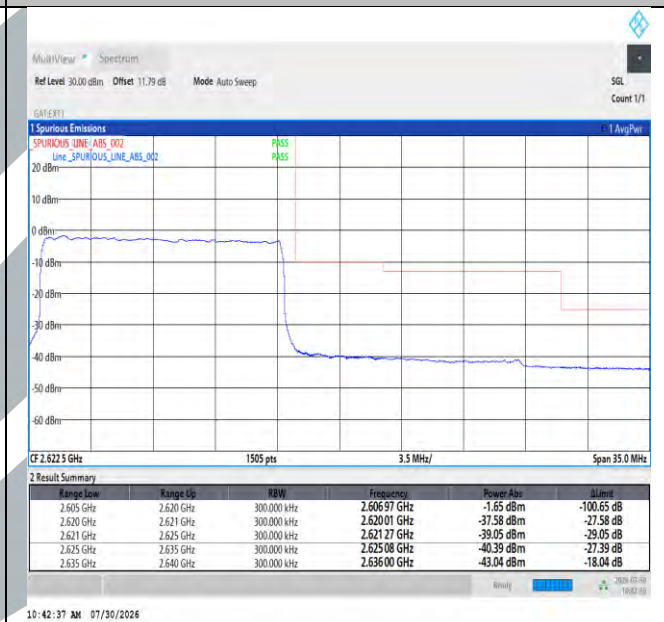
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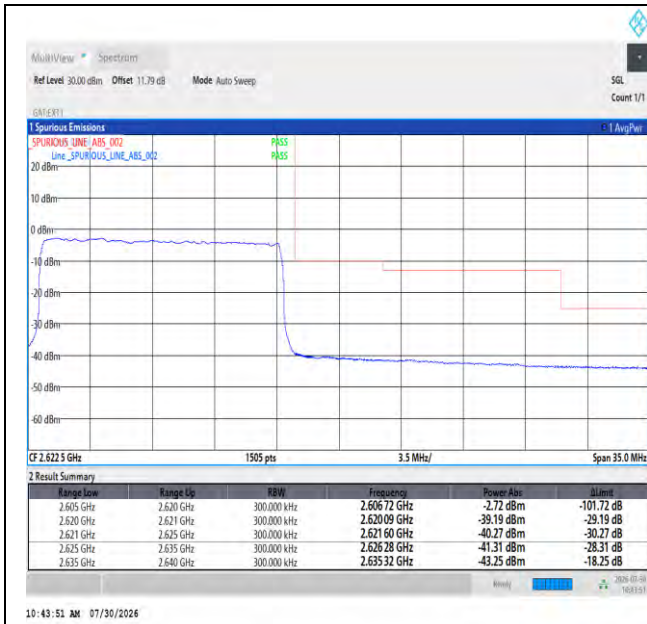
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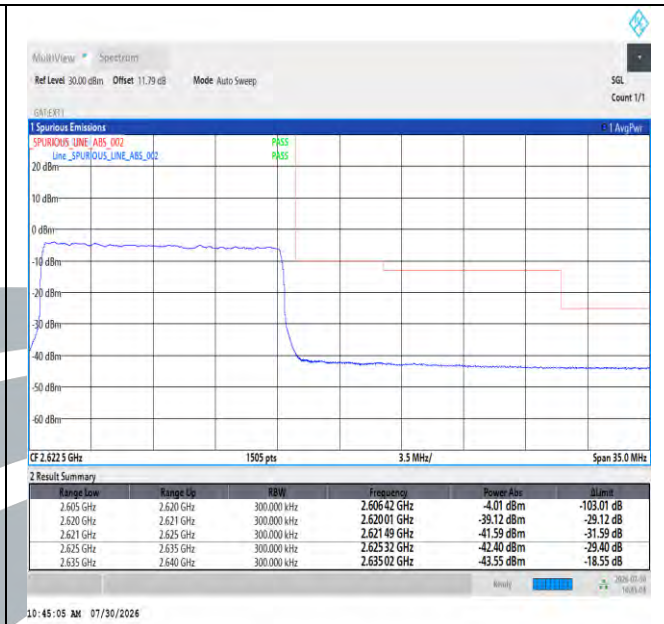
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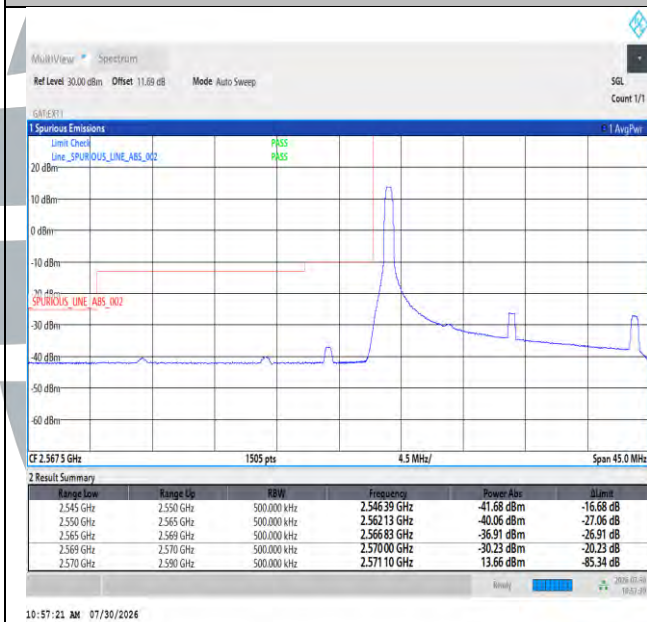
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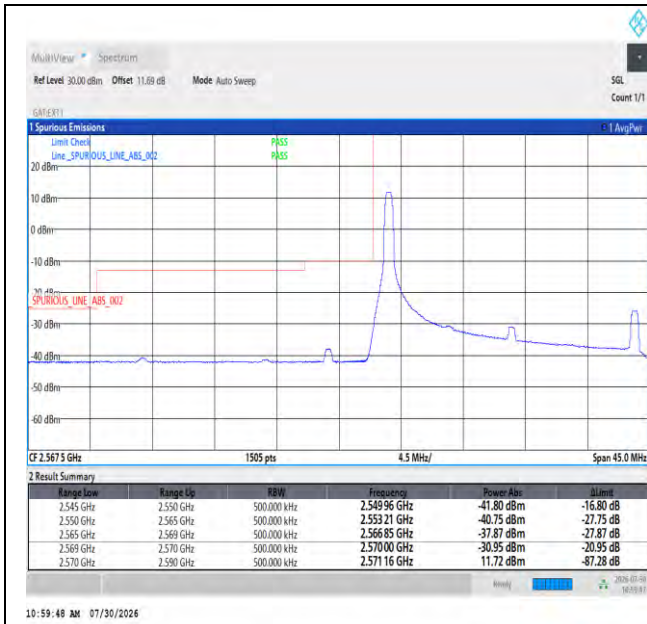
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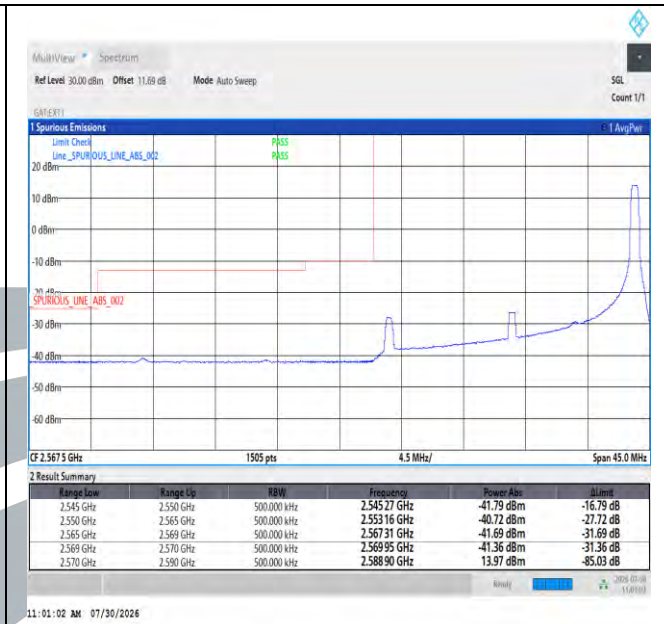
Band38-20MHz-QPSK-37850-1RB#0-PASS



Band38-20MHz-16QAM-37850-1RB#0-PASS



Band38-20MHz-64QAM-37850-1RB#0-PASS



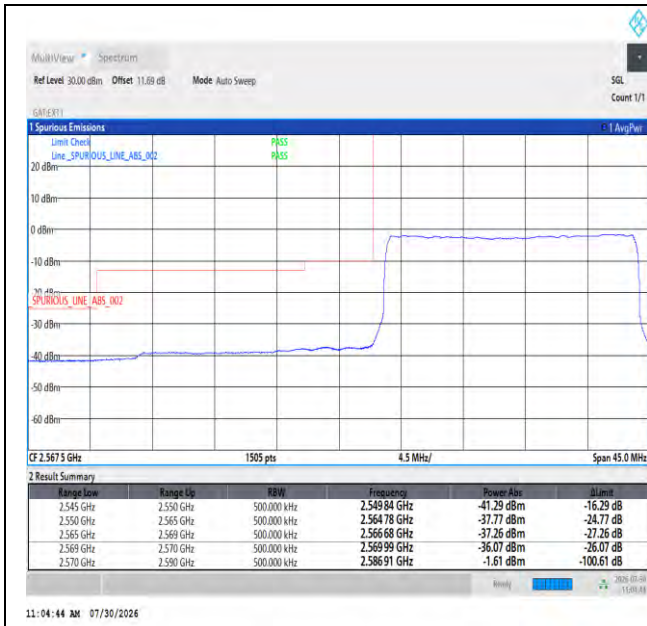
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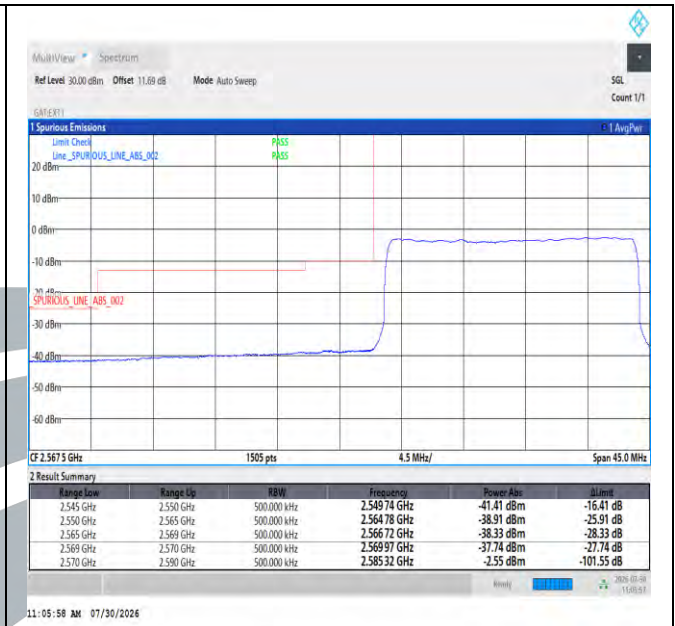
Band38-20MHz-16QAM-37850-1RB#99-PASS



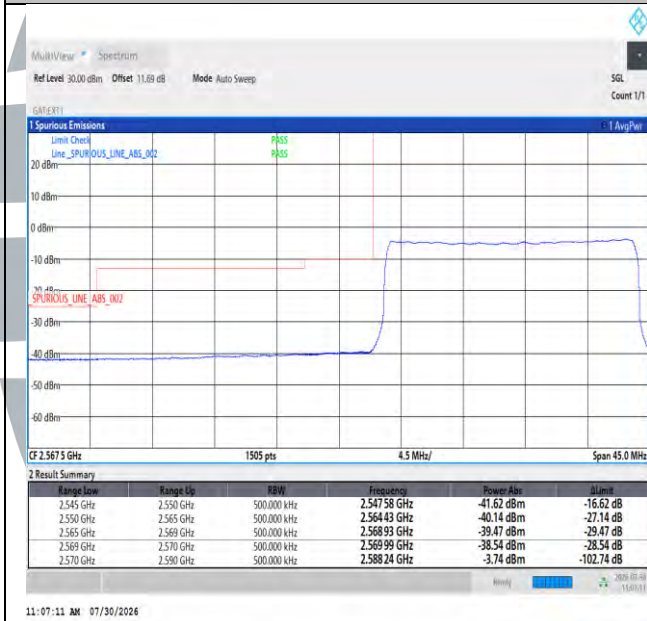
Band38-20MHz-64QAM-37850-1RB#99-PASS



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



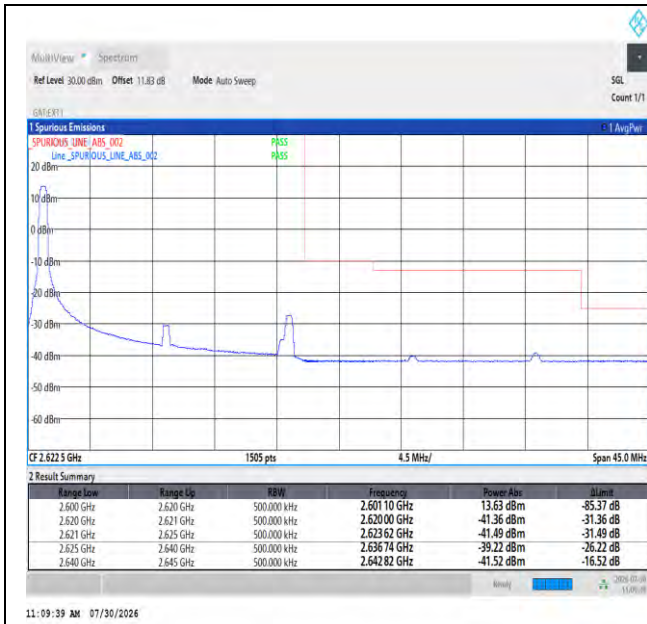
Band38-20MHz-16QAM-37850-100RB#0-PASS



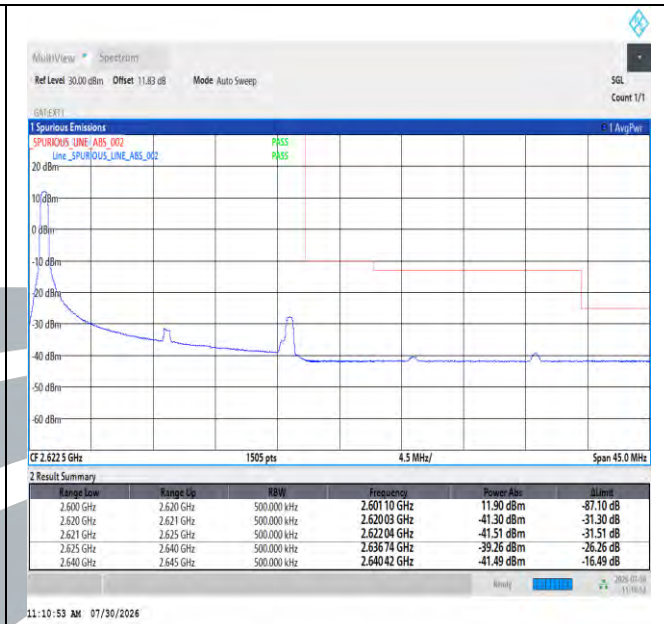
Band38-20MHz-64QAM-37850-100RB#0-PASS



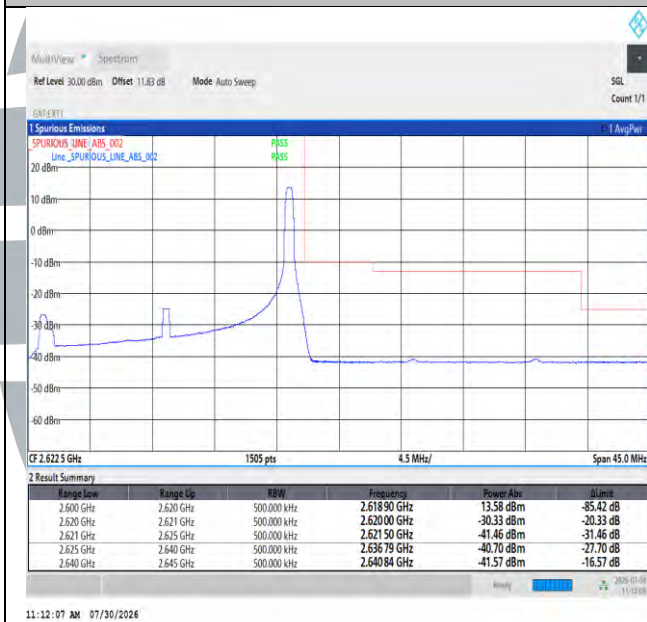
Band38-20MHz-QPSK-38150-1RB#0-PASS



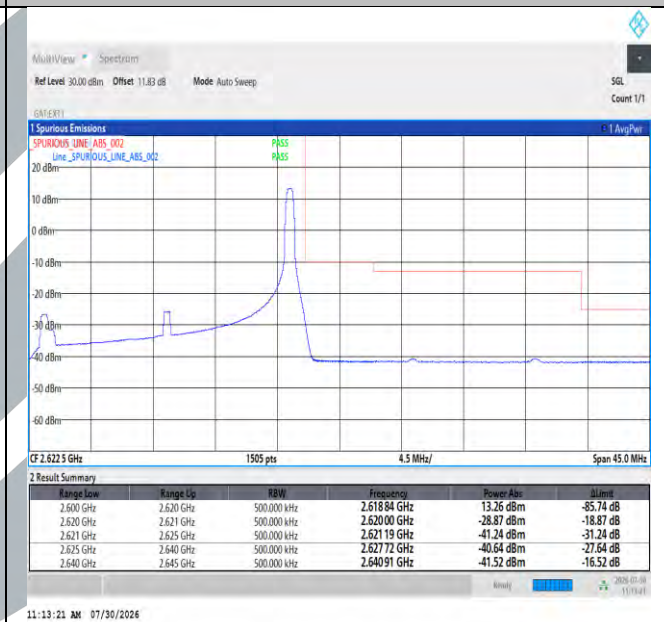
Band38-20MHz-16QAM-38150-1RB#0-PASS



Band38-20MHz-64QAM-38150-1RB#0-PASS



Band38-20MHz-QPSK-38150-1RB#99-PASS



Band38-20MHz-16QAM-38150-1RB#99-PASS

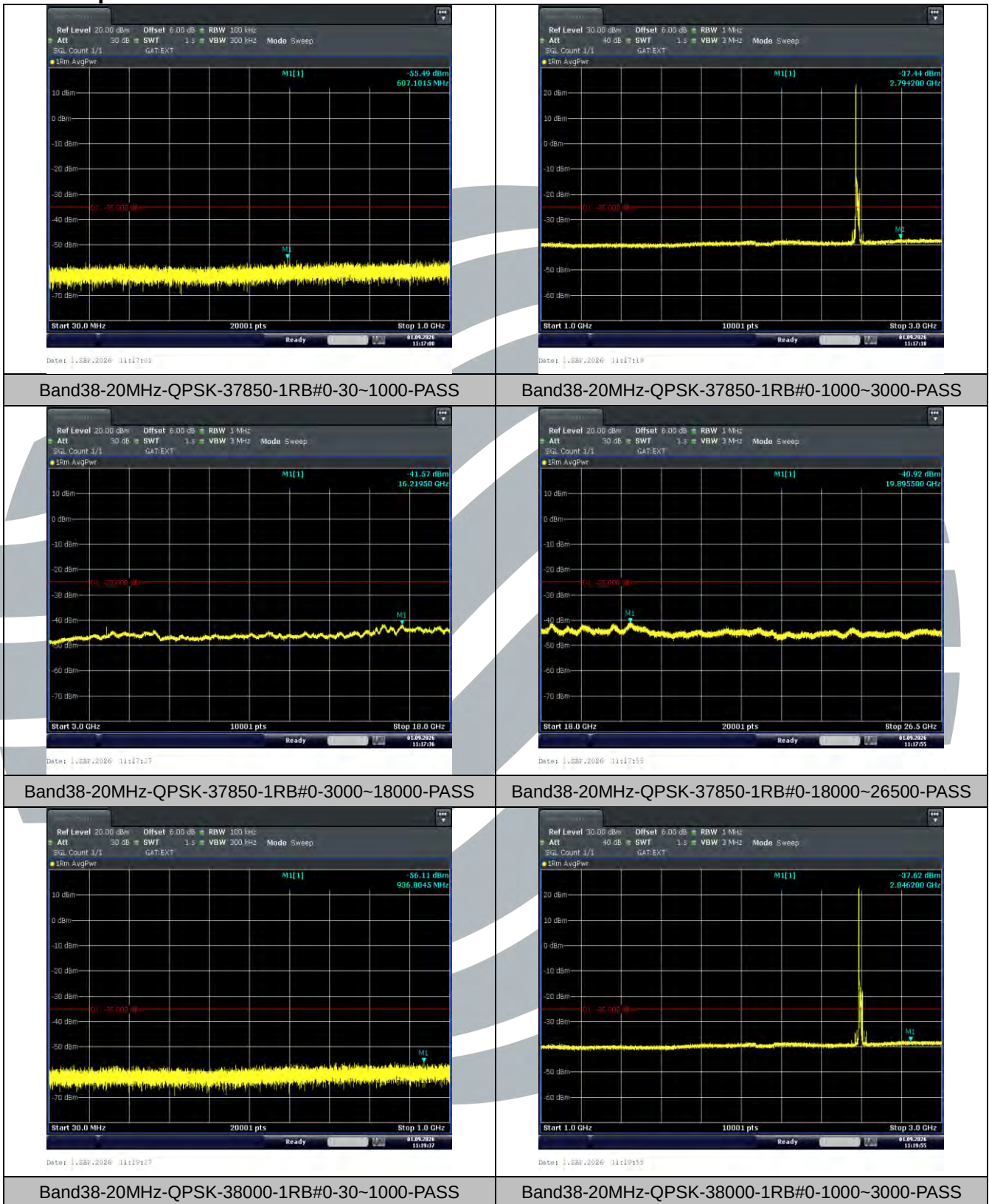


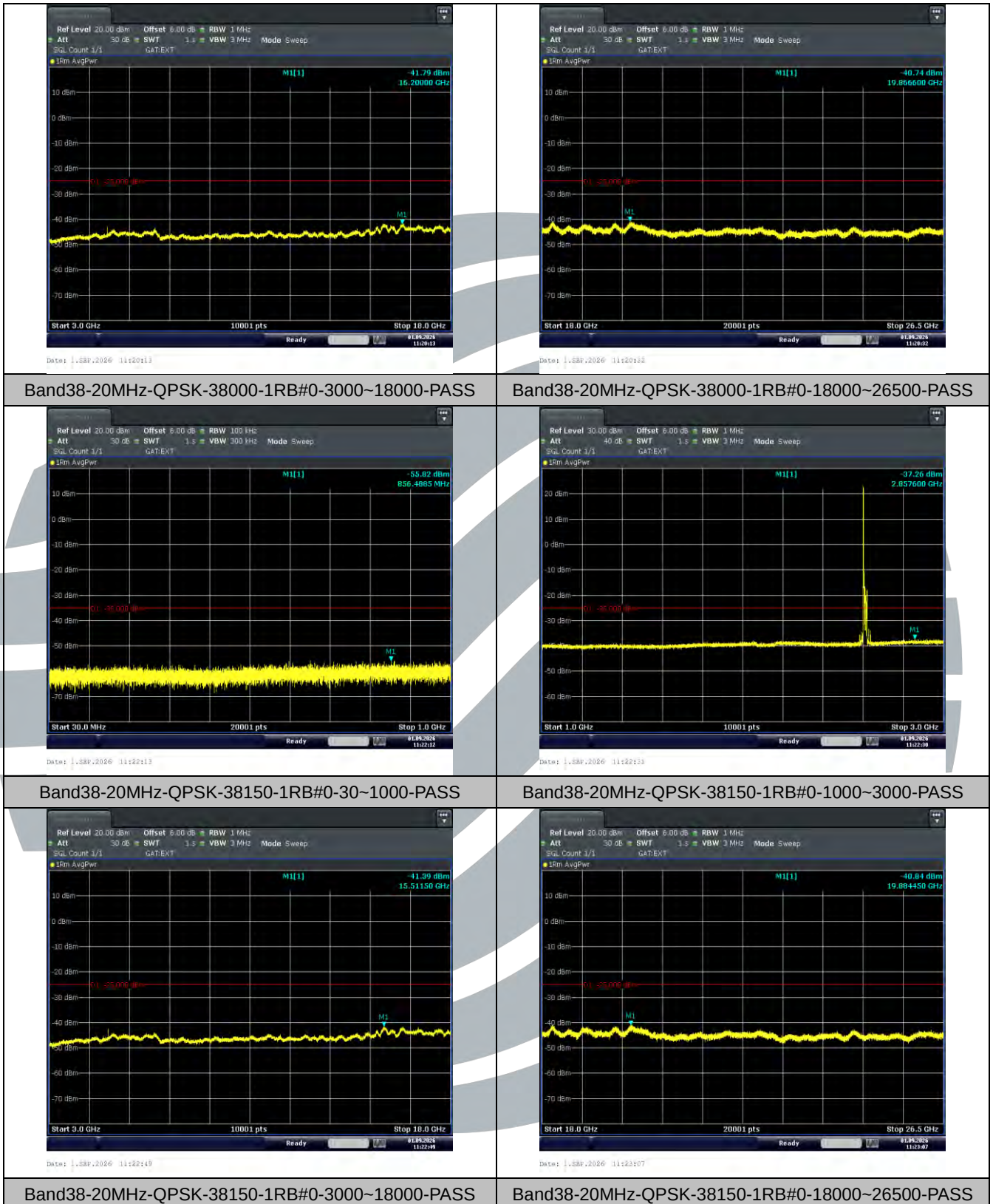
G.4 CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth (MHz)	Modulation	Channel	RB Configuration	Frequency Range (MHz)	Result (dBm)	Verdict
Band38	20MHz	QPSK	37850	1RB#0	30~1000	-55.49	PASS
Band38	20MHz	QPSK	37850	1RB#0	1000~3000	-37.44	PASS
Band38	20MHz	QPSK	37850	1RB#0	3000~18000	-41.57	PASS
Band38	20MHz	QPSK	37850	1RB#0	18000~26500	-40.92	PASS
Band38	20MHz	QPSK	38000	1RB#0	30~1000	-56.11	PASS
Band38	20MHz	QPSK	38000	1RB#0	1000~3000	-37.62	PASS
Band38	20MHz	QPSK	38000	1RB#0	3000~18000	-41.79	PASS
Band38	20MHz	QPSK	38000	1RB#0	18000~26500	-40.74	PASS
Band38	20MHz	QPSK	38150	1RB#0	30~1000	-55.82	PASS
Band38	20MHz	QPSK	38150	1RB#0	1000~3000	-37.26	PASS
Band38	20MHz	QPSK	38150	1RB#0	3000~18000	-41.39	PASS
Band38	20MHz	QPSK	38150	1RB#0	18000~26500	-40.84	PASS

Test Graphs





G.5 FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth (MHz)	Modulation	Channel	RB Configure	Voltage [Vdc]	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	VN	NT	15.90	0.006181	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	VL	NT	-14.20	-0.005520	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	VH	NT	-19.10	-0.007425	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VN	NT	-14.20	-0.005520	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VL	NT	-31.60	-0.012177	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VH	NT	8.30	0.003223	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VN	NT	-6.50	-0.002483	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VL	NT	-9.60	-0.003668	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VH	NT	-16.30	-0.006227	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	VN	NT	8.30	0.003223	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	VL	NT	9.90	0.003845	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	VH	NT	-34.00	-0.013204	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VN	NT	-23.20	-0.008940	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VL	NT	-37.90	-0.014605	±2.5	PASS

Band38	10MHz	QPSK	38000	50RB#0	VH	NT	-19.20	- 0.00739 9	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	VN	NT	-32.20	- 0.01231 4	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	VL	NT	-11.10	- 0.00424 5	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	VH	NT	-12.50	- 0.00478 0	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	VN	NT	33.50	0.01299 7	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	VL	NT	16.80	0.00651 8	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	VH	NT	21.20	0.00822 5	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VN	NT	3.70	0.00142 6	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VL	NT	-51.80	- 0.01996 1	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	VH	NT	-2.70	- 0.00104 0	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	VN	NT	4.60	0.00176 1	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	VL	NT	-40.00	- 0.01531 1	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	VH	NT	-50.50	- 0.01933 0	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	16.90	0.00655 0	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	-6.30	- 0.00244 2	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-0.90	- 0.00034 9	±2.5	PASS

Band38	20MHz	QPSK	38000	100RB# 0	VN	NT	-46.20	- 0.01780 3	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB# 0	VL	NT	5.70	0.00219 7	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB# 0	VH	NT	-4.70	- 0.00181 1	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB# 0	VN	NT	-16.10	- 0.00616 9	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB# 0	VL	NT	-22.70	- 0.00869 7	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB# 0	VH	NT	-25.10	- 0.00961 7	±2.5	PASS

Temperature										
Band	Bandwidth (MHz)	Modulation	Channel	RB Configure	Voltage [Vdc]	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	NV	-30	-20.30	- 0.00789 1	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	-20	-28.40	- 0.01104 0	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	-10	-30.80	- 0.01197 3	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	0	-36.70	- 0.01426 6	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	10	-49.20	- 0.01912 5	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	20	-13.00	- 0.00505 3	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	30	-14.30	- 0.00555 9	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	40	-16.70	-	±2.5	PASS

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Band38	5MHz	QPSK	37775	25RB#0	NV	50	-40.80	- 0.01586 0	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-30	-49.20	- 0.01912 5	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-20	-18.20	- 0.00701 3	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-10	-16.50	- 0.00635 8	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	0	-33.80	- 0.01302 5	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	10	-23.20	- 0.00894 0	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	20	-16.00	- 0.00616 6	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	30	-16.50	- 0.00635 8	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	40	-3.50	- 0.00134 9	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	50	4.80	- 0.00185 0	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-30	-26.40	- 0.01008 6	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-20	-41.30	- 0.01577 8	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-10	3.40	- 0.00129 9	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	0	-16.60	- 0.00634 2	±2.5	PASS

Band38	5MHz	QPSK	38225	25RB#0	NV	10	-23.20	- 0.00886 3	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	20	-41.90	- 0.01600 8	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	30	3.90	0.00149 0	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	40	-44.30	- 0.01692 5	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	50	10.50	0.00401 1	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-30	2.90	0.00112 6	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-20	-2.60	- 0.00101 0	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-10	7.90	0.00304 4	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	0	3.40	0.00132 0	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	10	-36.30	- 0.01409 7	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	20	-45.50	- 0.01767 0	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	30	-10.20	- 0.00396 1	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	40	-12.10	- 0.00469 9	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	50	-22.70	- 0.00881 6	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-30	-40.80	- 0.01572 3	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-20	-37.10	- 0.01429	±2.5	PASS

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								-		
Band38	10MHz	QPSK	38000	50RB#0	NV	-10	-37.80	0.014566	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	0	7.90	0.003044	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	10	-7.80	0.003006	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	20	0.90	0.000347	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	30	0.50	0.000193	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	40	-23.10	0.008902	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	50	-44.70	0.017225	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-30	-15.90	0.006080	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-20	7.10	0.002715	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-10	-30.20	0.011549	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	0	-33.10	0.012658	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	10	-4.30	0.001644	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	20	-29.80	0.011396	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	30	-3.50	0.001338	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	40	-0.20	0.000076	±2.5	PASS

Band38	10MHz	QPSK	38200	50RB#0	NV	50	-8.00	- 0.00305 9	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-30	10.00	0.00388 0	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-20	3.00	0.00116 4	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-10	-25.80	- 0.01001 0	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	0	-23.70	- 0.00919 5	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	10	-38.00	- 0.01474 3	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	20	-8.60	- 0.00333 7	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	30	8.10	0.00314 3	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	40	-28.10	- 0.01090 2	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	50	-21.20	- 0.00822 5	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-30	-34.40	- 0.01325 6	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-20	-26.00	- 0.01001 9	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-10	-4.60	- 0.00177 3	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	0	-2.30	- 0.00088 6	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	10	-0.40	- 0.00015 4	±2.5	PASS

Band38	15MHz	QPSK	38000	75RB#0	NV	20	2.10	0.000809	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	30	4.70	0.001811	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	40	11.90	0.004586	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	50	14.40	0.005549	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-30	-31.20	0.011943	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-20	12.70	0.004861	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-10	-36.20	0.013856	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	0	-36.30	0.013895	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	10	-23.80	0.009110	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	20	-37.90	0.014507	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	30	-0.30	0.000115	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	40	-5.10	0.001952	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	50	-4.40	0.001684	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	-14.50	0.005620	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-40.40	0.015659	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-10	8.80	0.003411	±2.5	PASS

Band38	20MHz	QPSK	37850	100RB# 0	NV	0	-14.20	- 0.00550 4	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB# 0	NV	10	-29.50	- 0.01143 4	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB# 0	NV	20	5.30	0.00205 4	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB# 0	NV	30	-24.30	- 0.00941 9	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB# 0	NV	40	-44.70	- 0.01732 6	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB# 0	NV	50	-9.20	- 0.00356 6	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB# 0	NV	-30	-19.20	- 0.00739 9	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB# 0	NV	-20	-22.10	- 0.00851 6	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB# 0	NV	-10	-9.70	- 0.00373 8	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB# 0	NV	0	-8.60	- 0.00331 4	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB# 0	NV	10	-5.70	- 0.00219 7	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB# 0	NV	20	6.20	0.00238 9	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB# 0	NV	30	22.00	0.00847 8	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB# 0	NV	40	15.40	0.00593 4	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB# 0	NV	50	22.40	0.00863 2	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB# 0	NV	-30	-45.80	- 0.01754	±2.5	PASS

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Band38	20MHz	QPSK	38150	100RB# 0	NV	-20	-28.60	- 0.01095 8	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB# 0	NV	-10	-6.30	- 0.00241 4	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB# 0	NV	0	-45.00	- 0.01724 1	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB# 0	NV	10	-17.90	- 0.00685 8	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB# 0	NV	20	-22.30	- 0.00854 4	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB# 0	NV	30	-23.40	- 0.00896 6	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB# 0	NV	40	-5.00	- 0.00191 6	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB# 0	NV	50	6.70	0.00256 7	±2.5	PASS

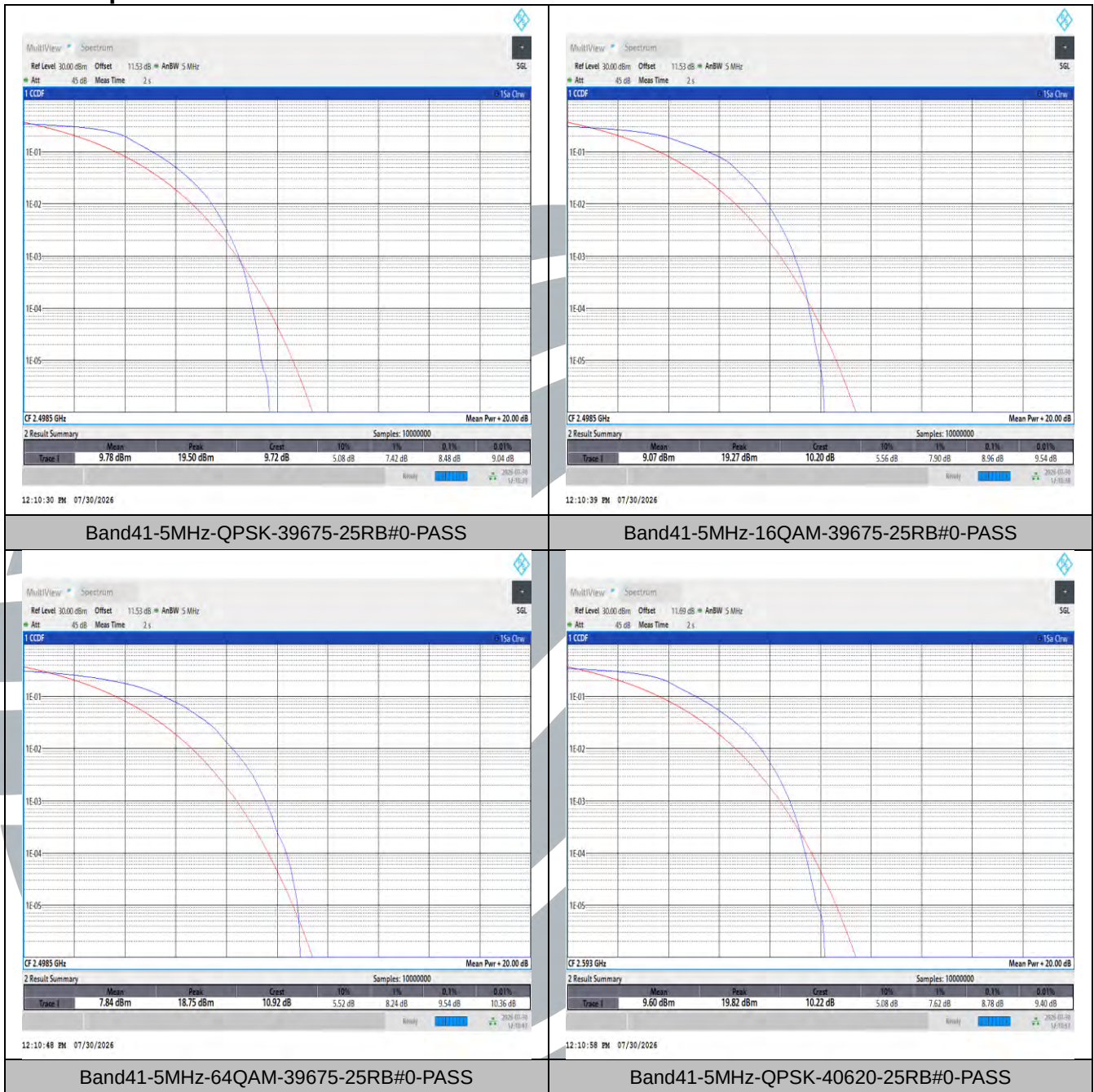
APPENDIX H LTE BAND41 RF TEST DATA

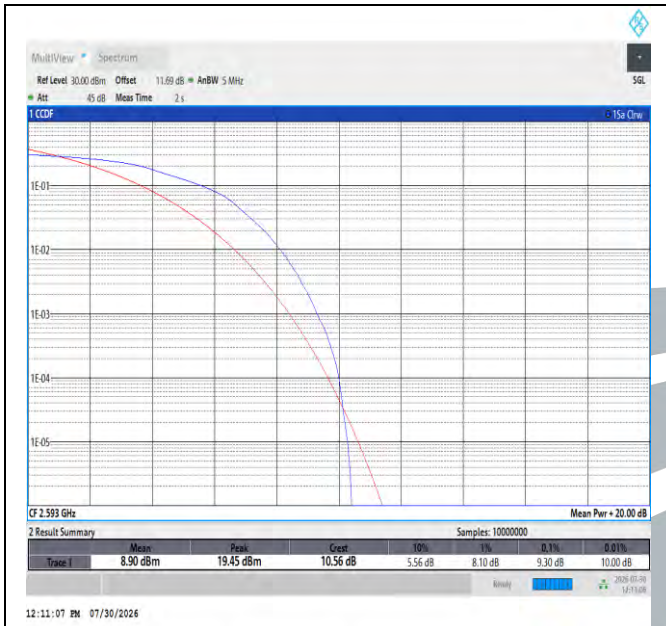
H.1 PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

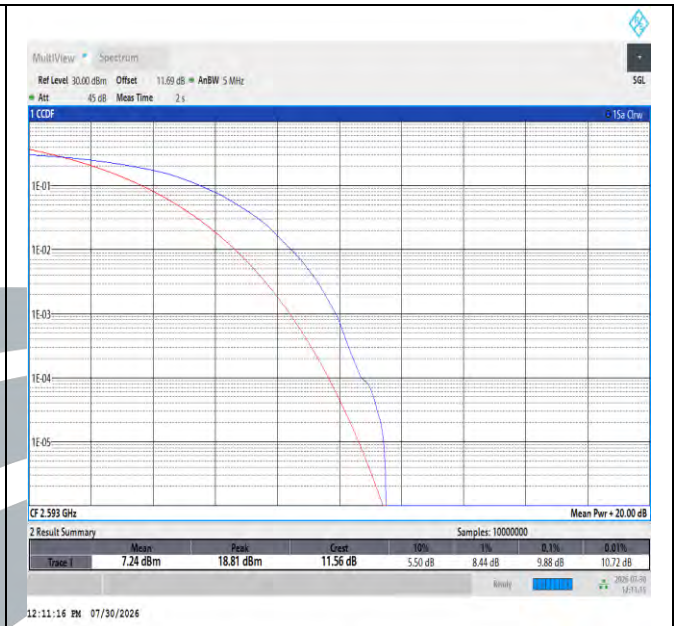
Band	Bandwidth (MHz)	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	8.48	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	8.96	13	PASS
Band41	5MHz	64QAM	39675	25RB#0	9.54	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	8.78	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.30	13	PASS
Band41	5MHz	64QAM	40620	25RB#0	9.88	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	8.58	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.16	13	PASS
Band41	5MHz	64QAM	41565	25RB#0	9.78	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.64	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.20	13	PASS
Band41	10MHz	64QAM	39700	50RB#0	9.68	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.84	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.48	13	PASS
Band41	10MHz	64QAM	40620	50RB#0	9.98	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.76	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.40	13	PASS
Band41	10MHz	64QAM	41540	50RB#0	9.84	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	8.28	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.10	13	PASS
Band41	15MHz	64QAM	39725	75RB#0	9.50	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	8.70	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	9.10	13	PASS
Band41	15MHz	64QAM	40620	75RB#0	9.98	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	8.44	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	9.04	13	PASS
Band41	15MHz	64QAM	41515	75RB#0	9.76	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	8.74	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.50	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	9.60	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.86	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.36	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	10.08	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.86	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.60	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	10.06	13	PASS

Test Graphs

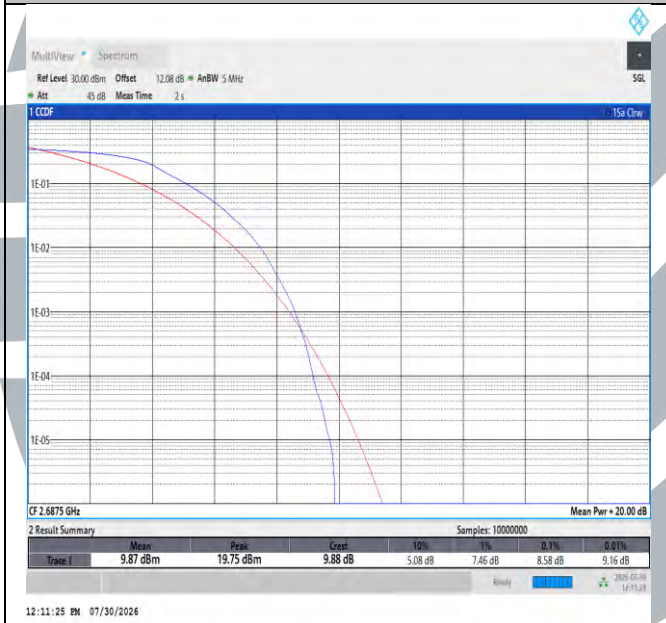




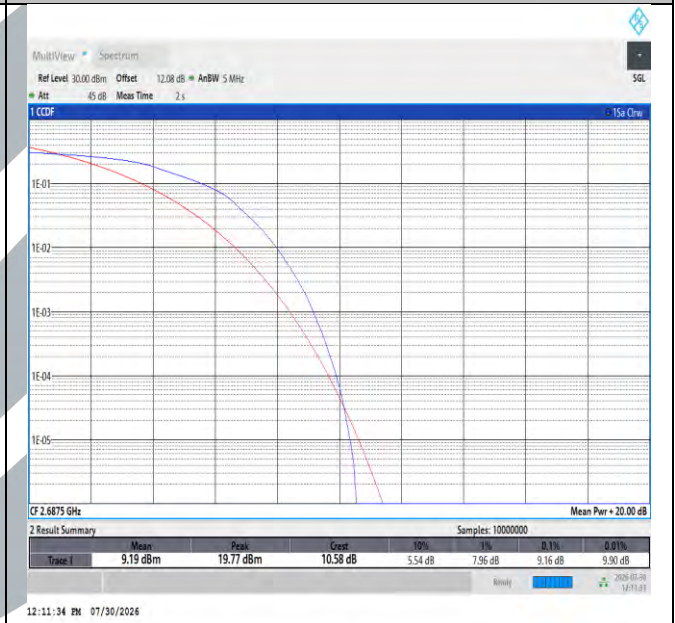
Band41-5MHz-16QAM-40620-25RB#0-PASS



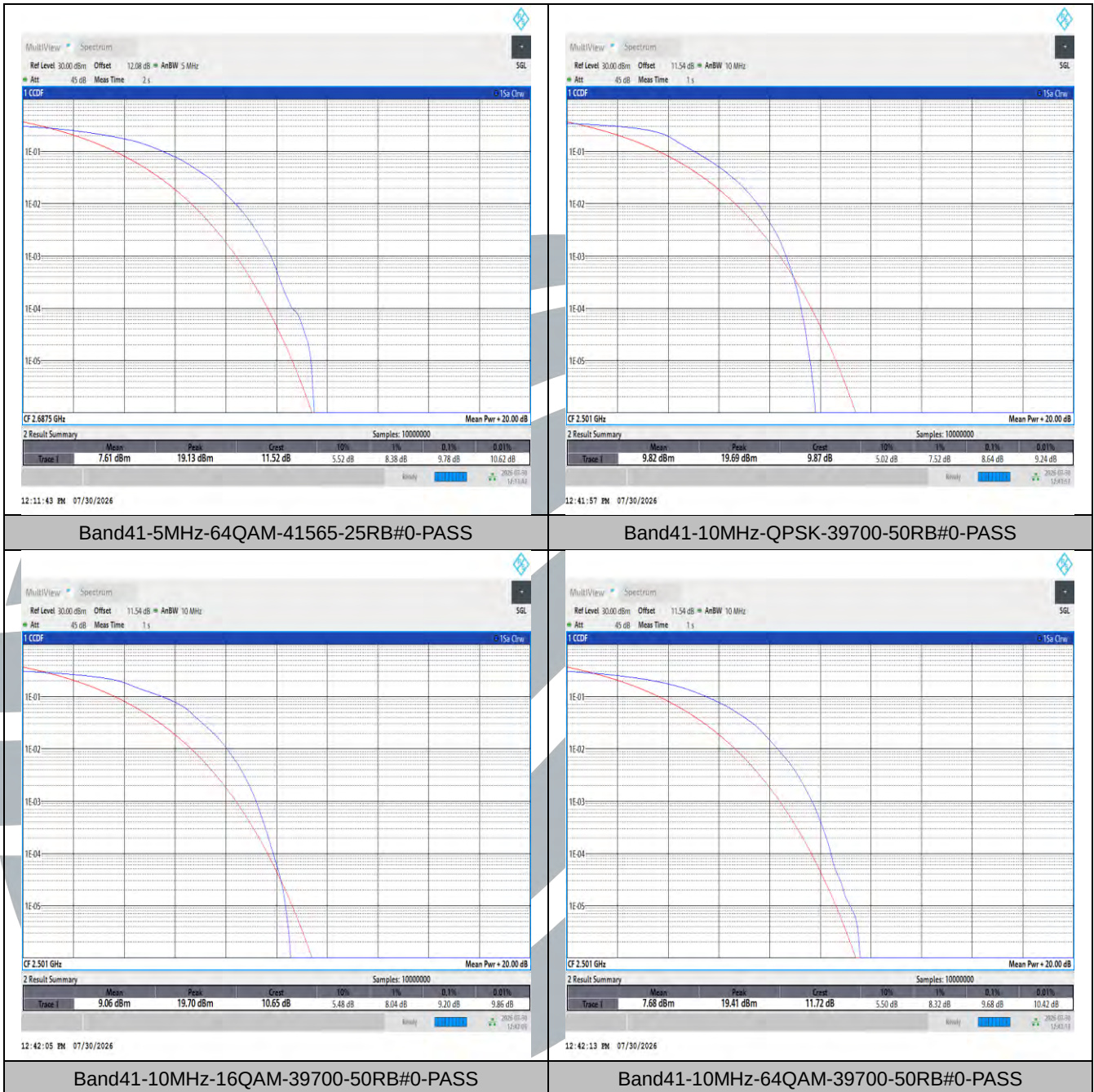
Band41-5MHz-64QAM-40620-25RB#0-PASS



Band41-5MHz-QPSK-41565-25RB#0-PASS

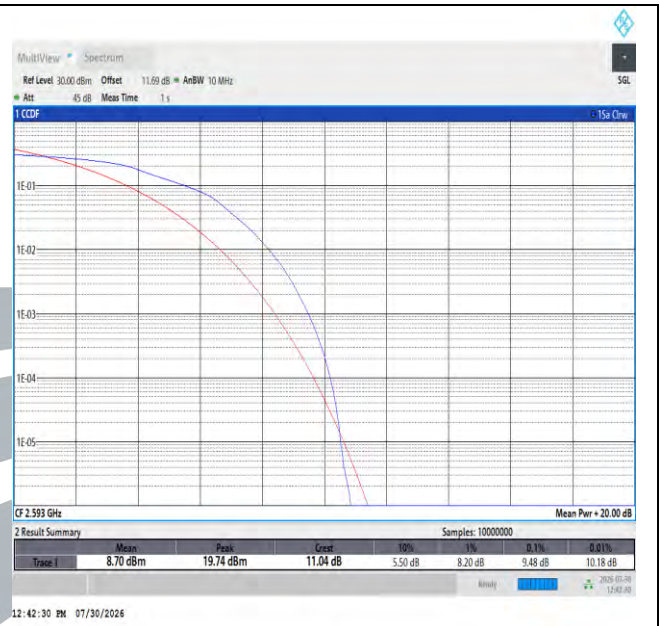


Band41-5MHz-16QAM-41565-25RB#0-PASS





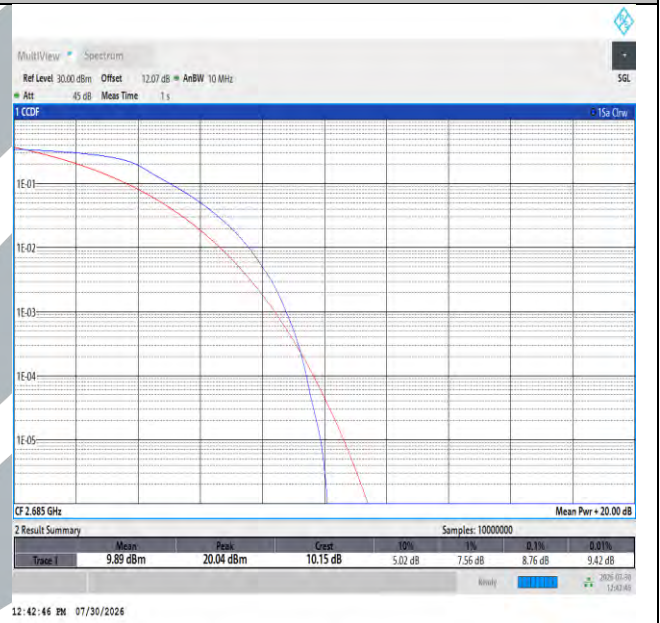
Band41-10MHz-QPSK-40620-50RB#0-PASS



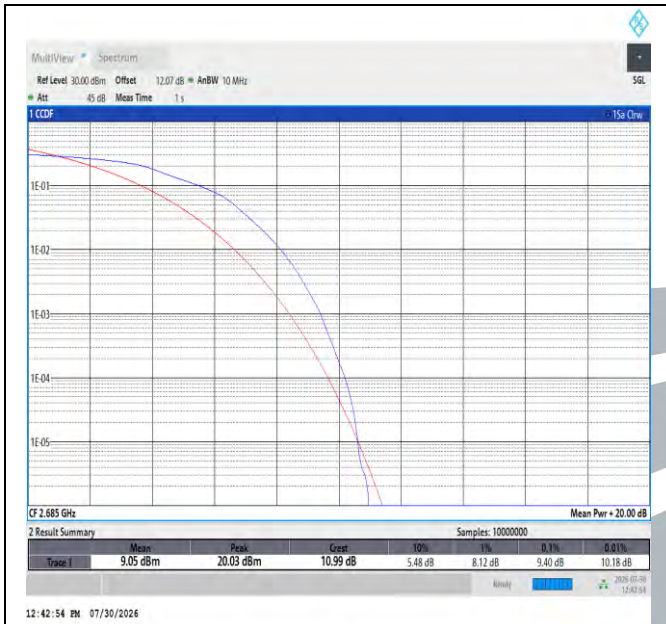
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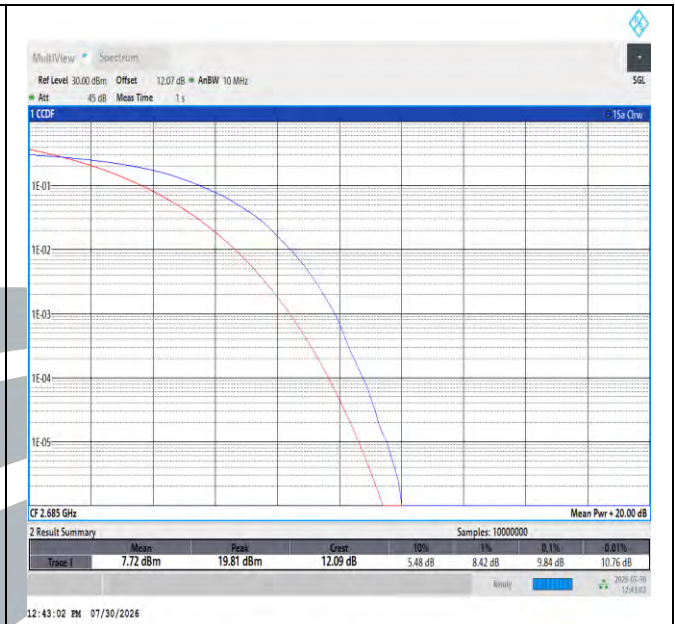
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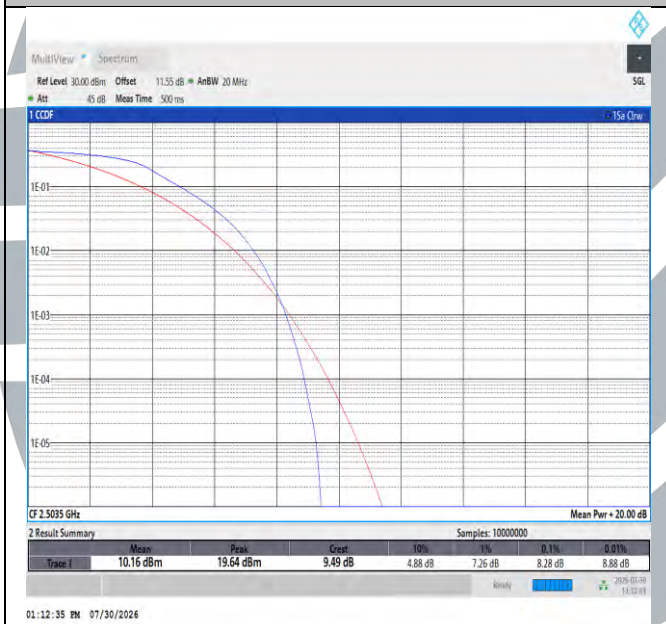
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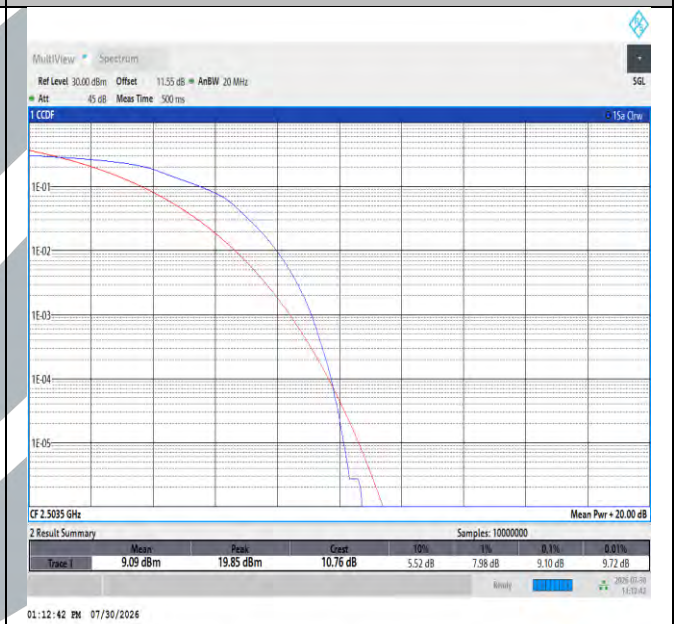
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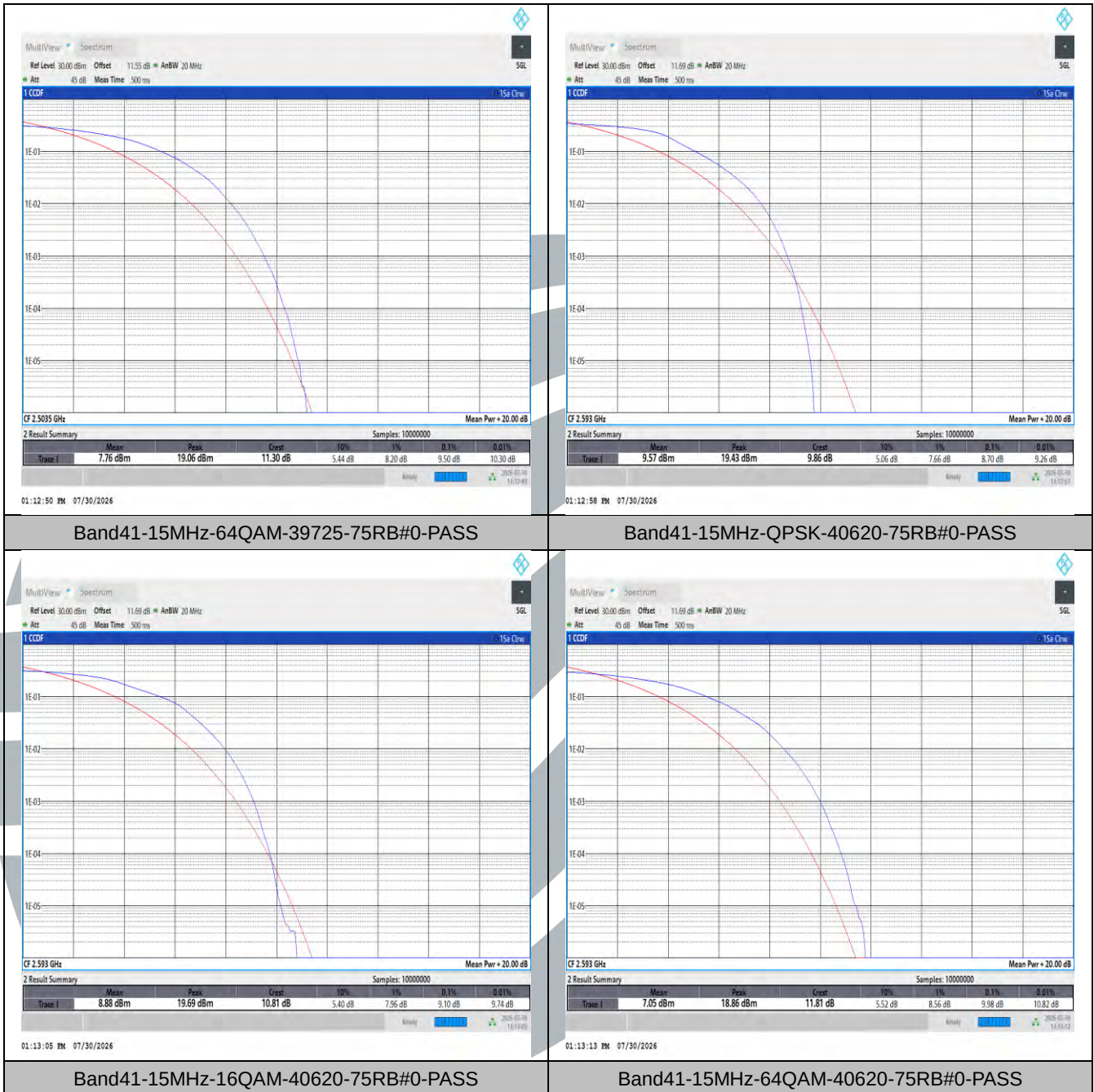
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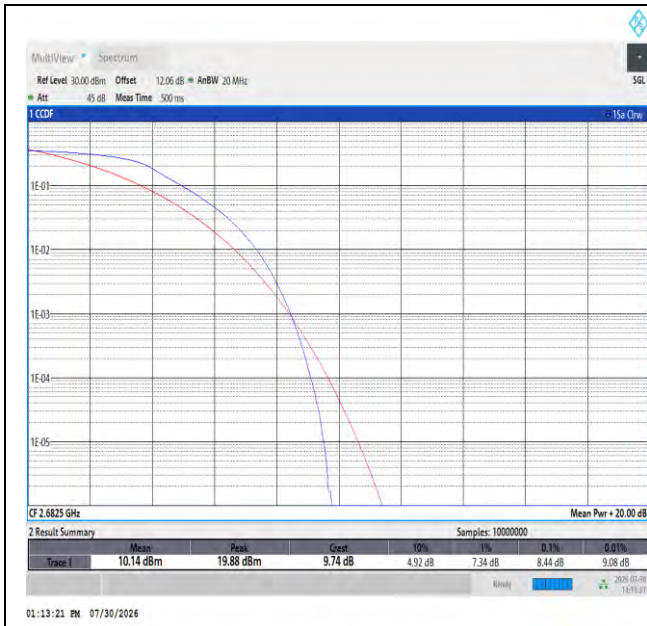


Band41-15MHz-QPSK-39725-75RB#0-PASS

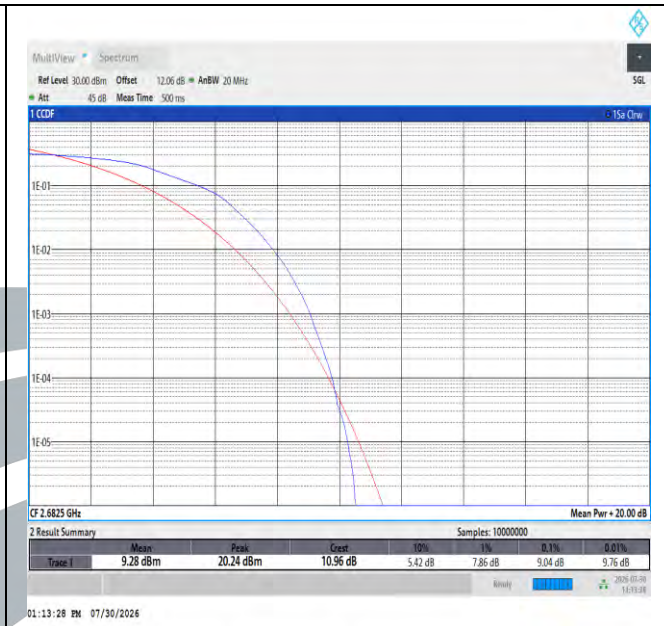


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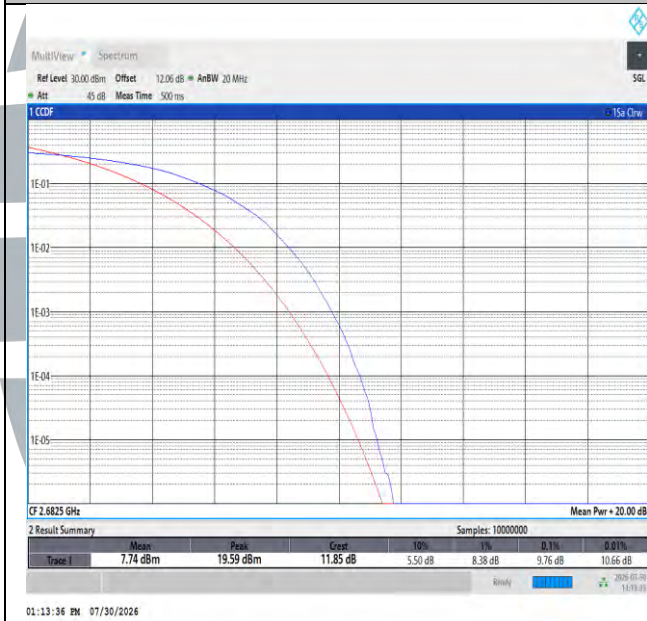




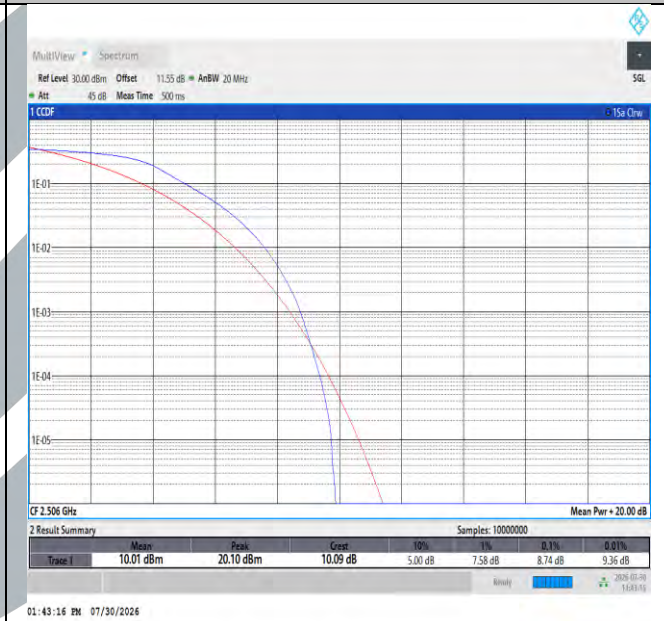
Band41-15MHz-QPSK-41515-75RB#0-PASS



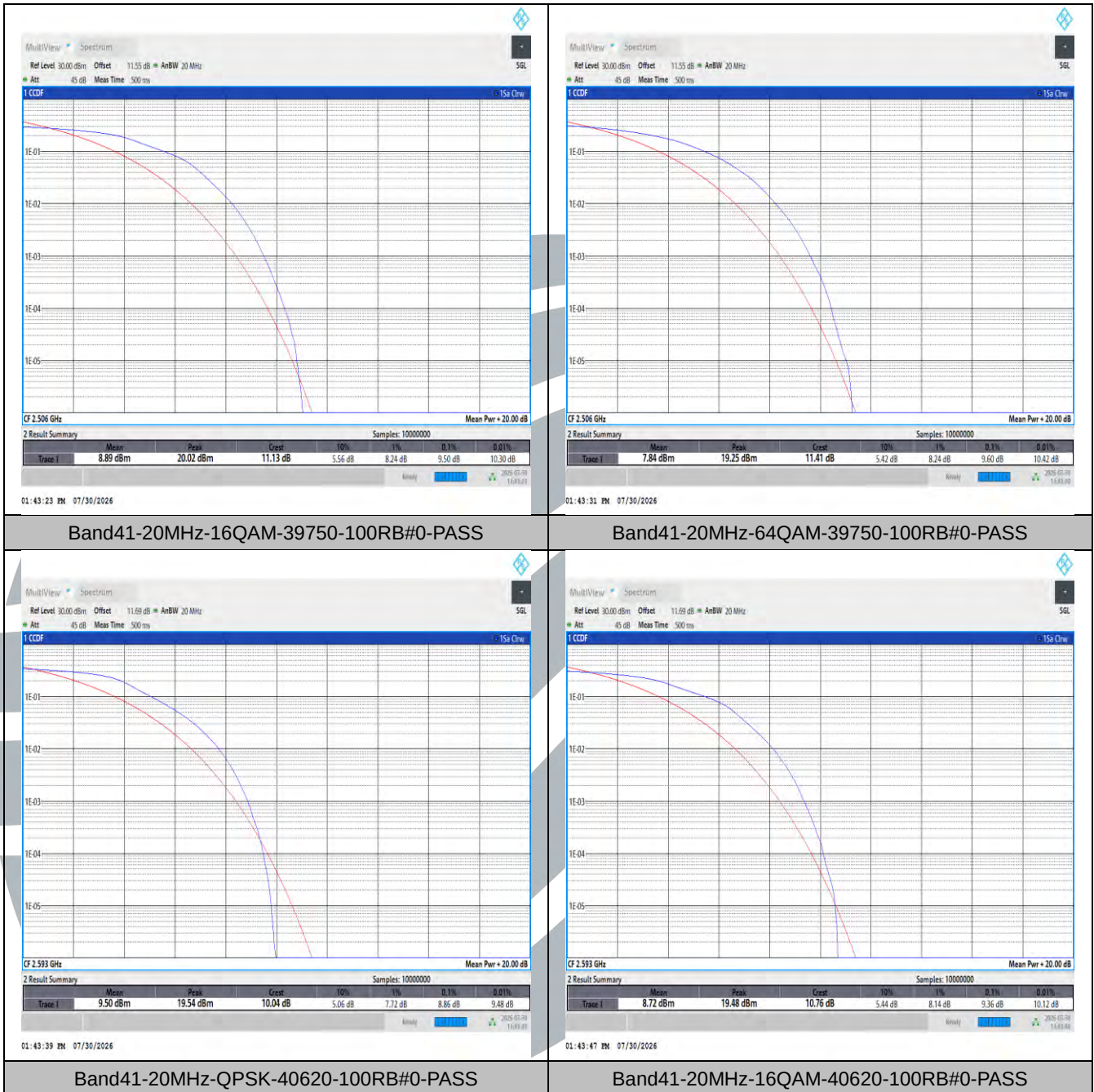
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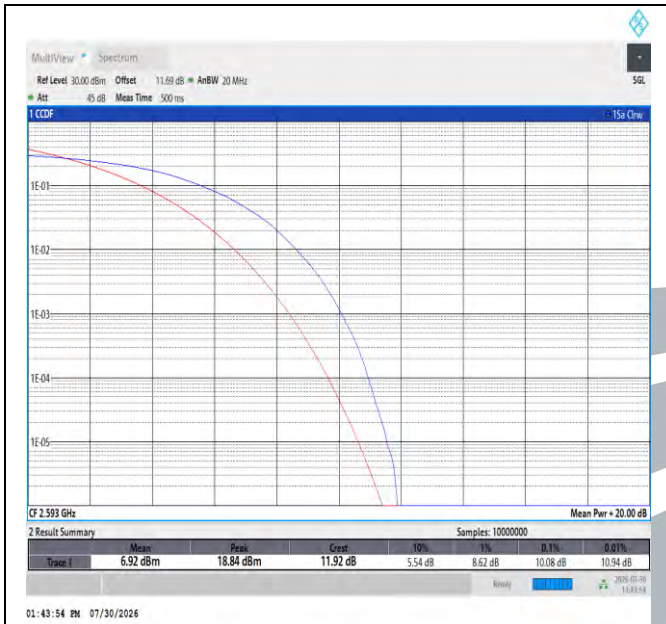


Band41-15MHz-64QAM-41515-75RB#0-PASS

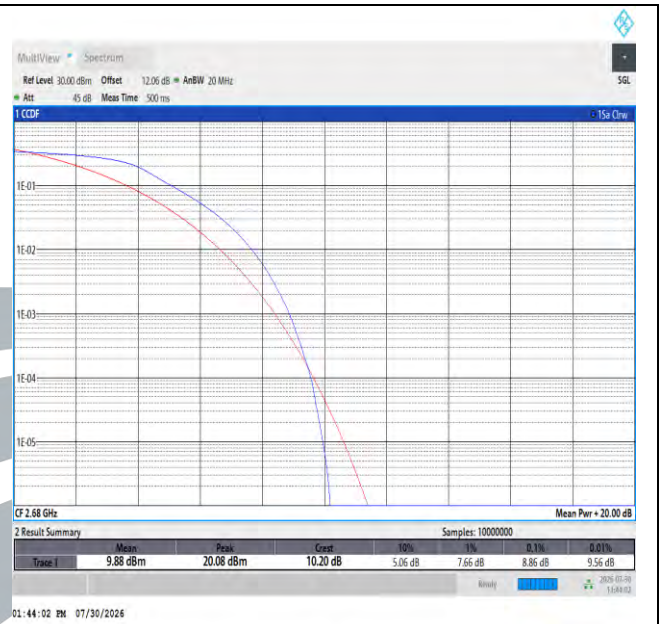


Band41-20MHz-QPSK-39750-100RB#0-PASS

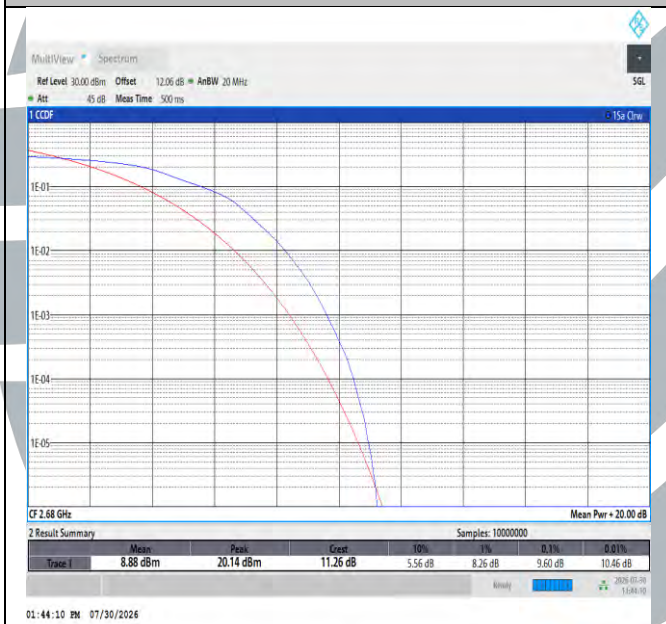




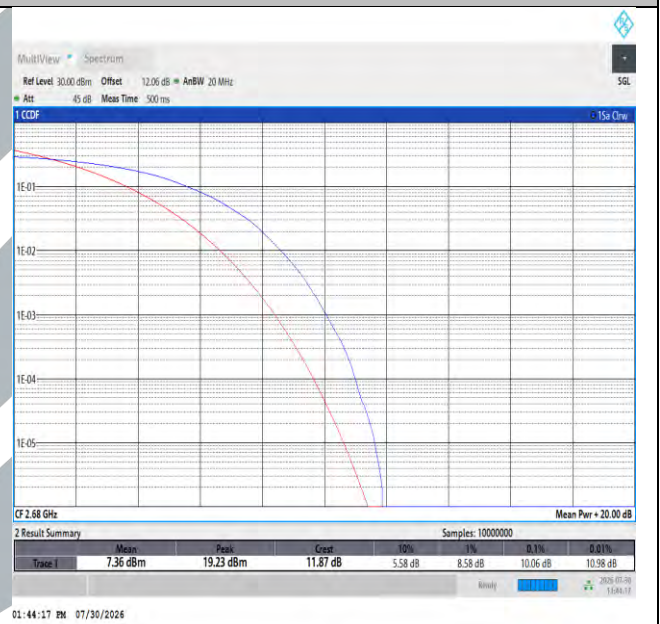
Band41-20MHz-64QAM-40620-100RB#0-PASS



Band41-20MHz-QPSK-41490-100RB#0-PASS



Band41-20MHz-16QAM-41490-100RB#0-PASS



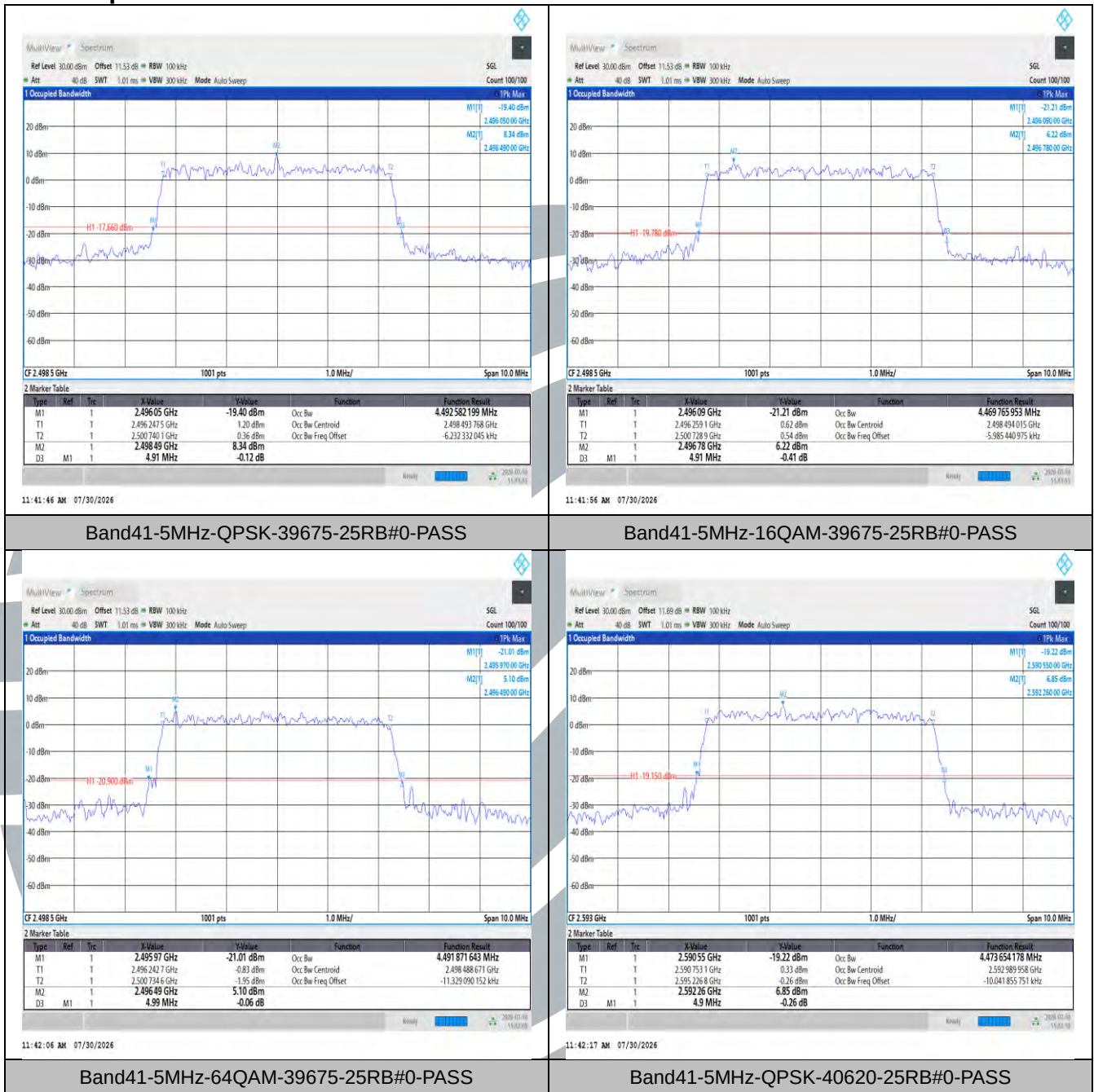
Band41-20MHz-64QAM-41490-100RB#0-PASS

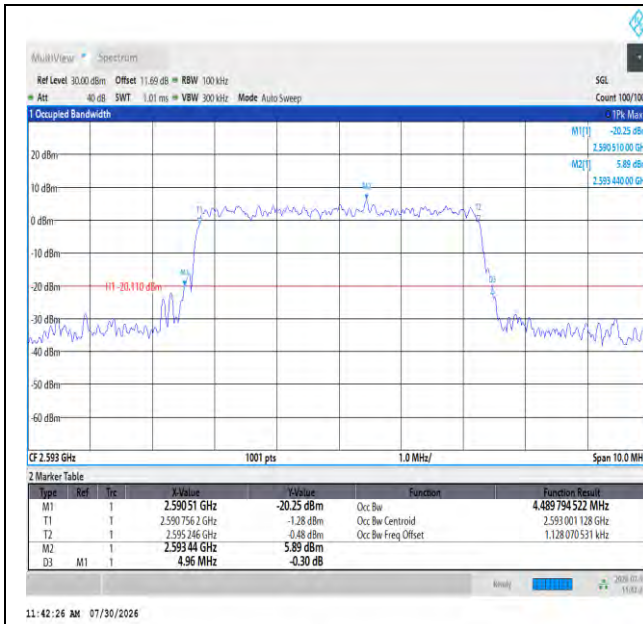
H.2 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth (MHz)	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.493	4.91	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.47	4.91	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.492	4.99	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.474	4.90	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.49	4.96	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.505	4.86	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.488	4.89	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.506	4.92	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.485	5.08	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.989	9.73	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.994	9.63	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.997	9.87	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.929	9.53	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.981	10.10	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.963	9.70	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.957	9.73	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.944	10.20	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.985	9.57	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.492	14.35	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.395	14.45	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.481	14.70	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.439	14.70	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.433	14.50	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.452	14.50	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.488	14.80	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.458	15.50	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.433	14.45	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.989	19.33	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.903	19.07	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.919	19.07	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.868	19.40	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.892	18.93	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.981	19.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.939	19.47	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.915	19.40	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.927	19.00	PASS

Test Graphs

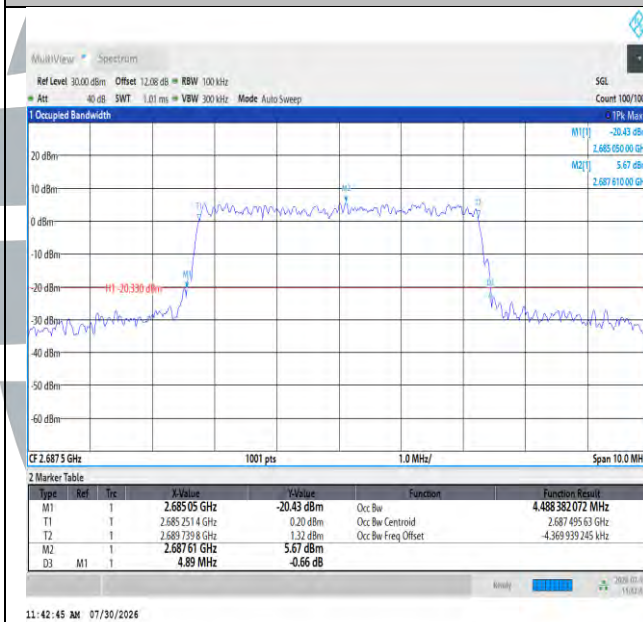




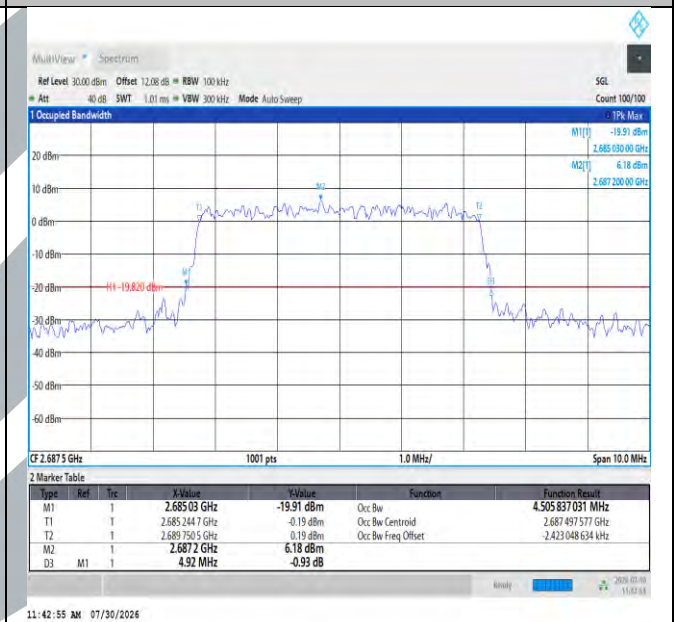
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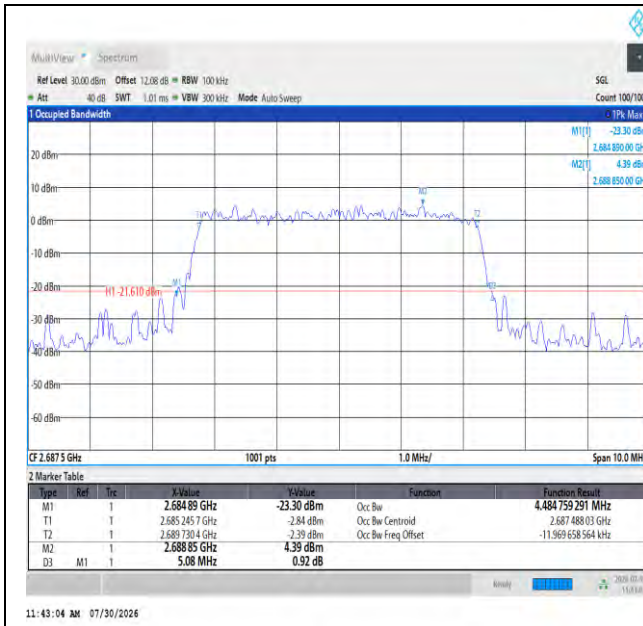
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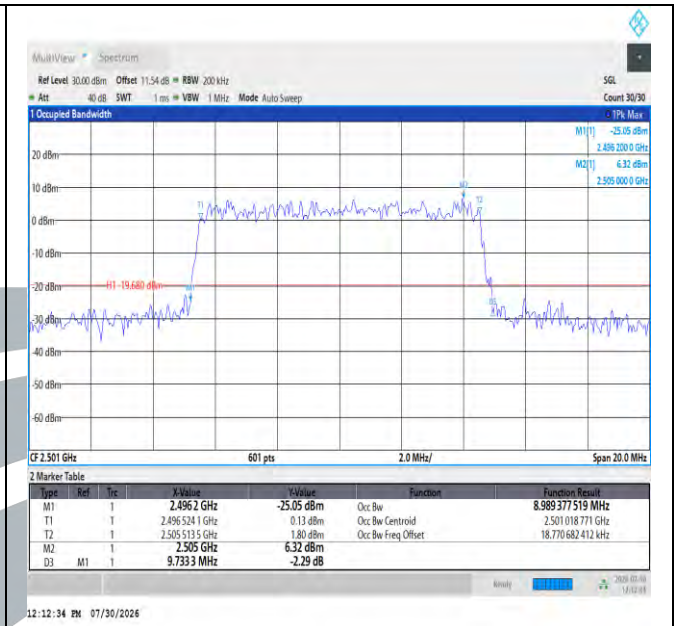
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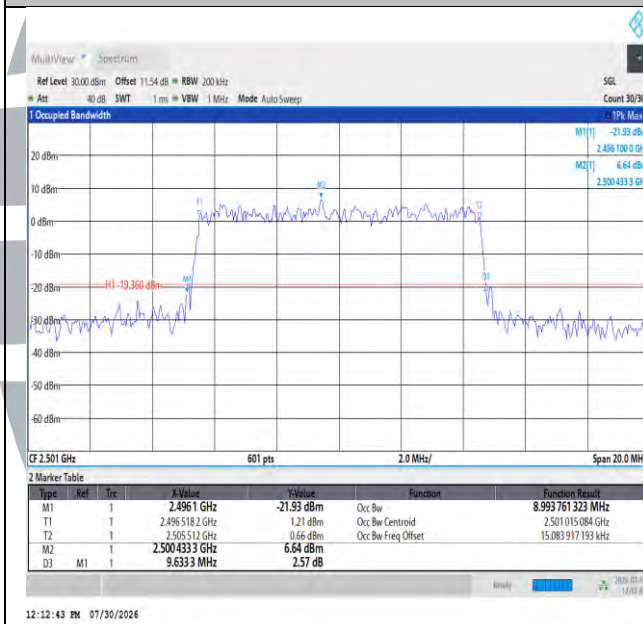
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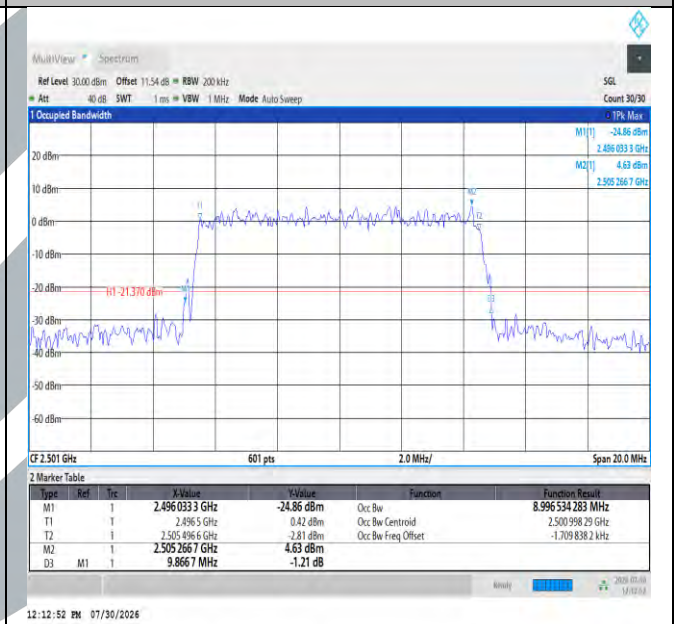
Band41-5MHz-64QAM-41565-25RB#0-PASS



Band41-10MHz-QPSK-39700-50RB#0-PASS



Band41-10MHz-16QAM-39700-50RB#0-PASS



Band41-10MHz-64QAM-39700-50RB#0-PASS