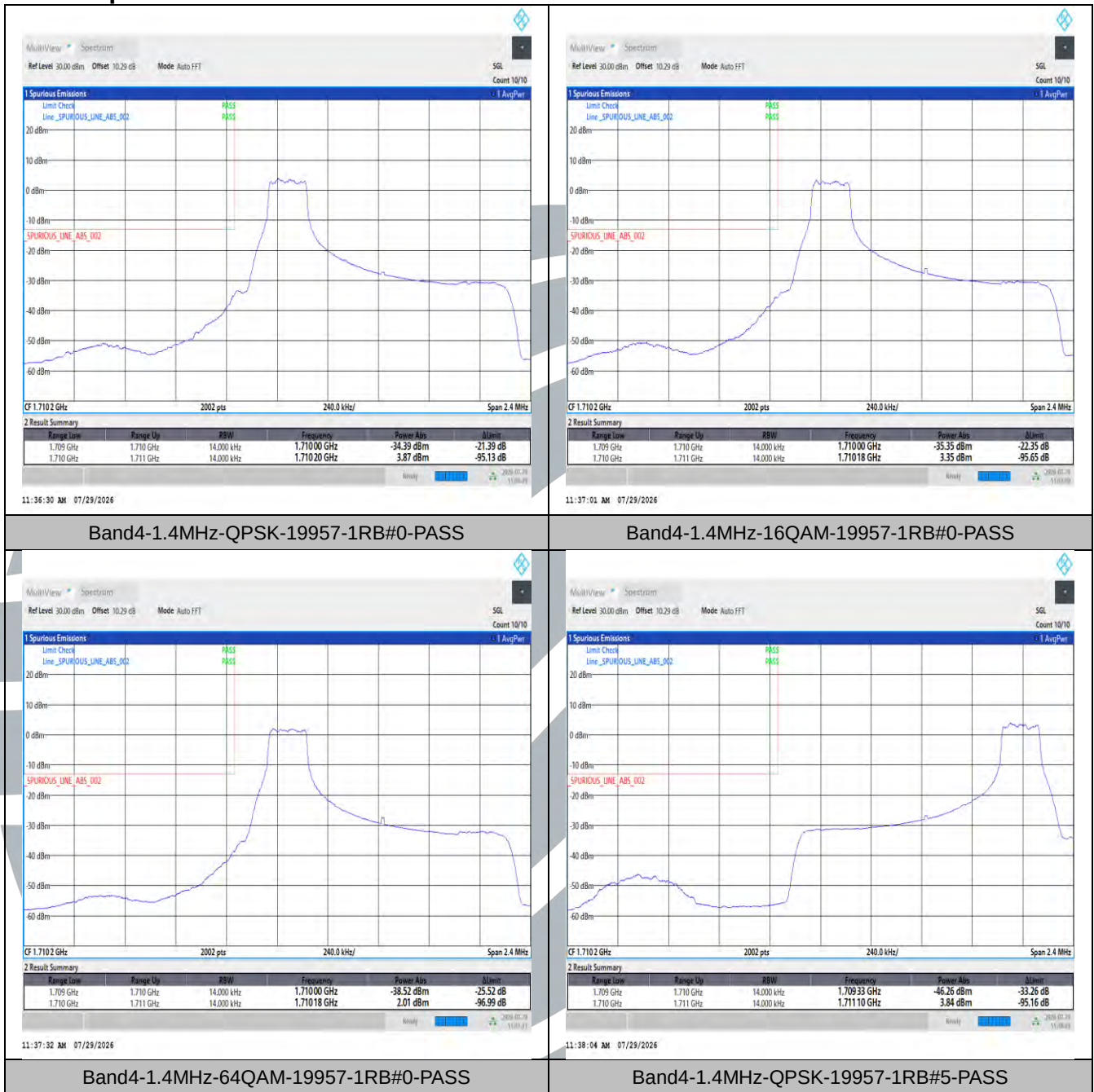
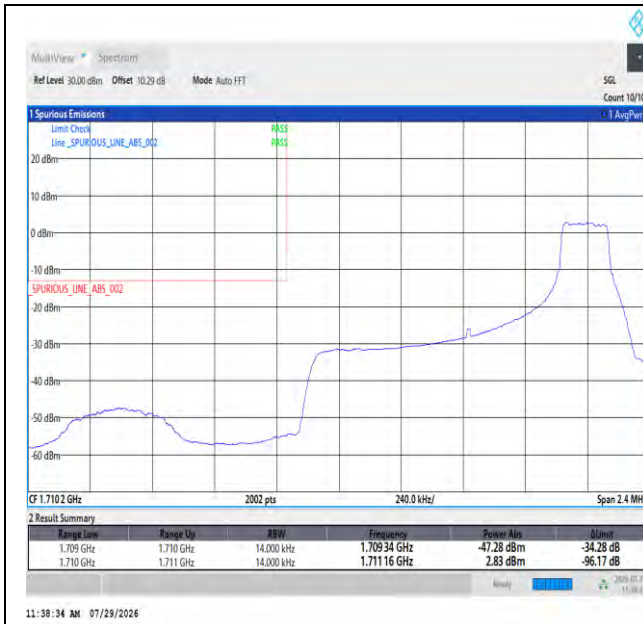


Band4	5MHz	64QAM	19975	1RB#0	-31.44	PASS
Band4	5MHz	QPSK	19975	1RB#24	-46.88	PASS
Band4	5MHz	16QAM	19975	1RB#24	-46.43	PASS
Band4	5MHz	64QAM	19975	1RB#24	-47.64	PASS
Band4	5MHz	QPSK	19975	25RB#0	-40.28	PASS
Band4	5MHz	16QAM	19975	25RB#0	-40.01	PASS
Band4	5MHz	64QAM	19975	25RB#0	-41.29	PASS
Band4	5MHz	QPSK	20375	1RB#0	-46.89	PASS
Band4	5MHz	16QAM	20375	1RB#0	-46.71	PASS
Band4	5MHz	64QAM	20375	1RB#0	-47.77	PASS
Band4	5MHz	QPSK	20375	1RB#24	-30.18	PASS
Band4	5MHz	16QAM	20375	1RB#24	-30.16	PASS
Band4	5MHz	64QAM	20375	1RB#24	-31.62	PASS
Band4	5MHz	QPSK	20375	25RB#0	-39.88	PASS
Band4	5MHz	16QAM	20375	25RB#0	-41.23	PASS
Band4	5MHz	64QAM	20375	25RB#0	-41.92	PASS
Band4	10MHz	QPSK	20000	1RB#0	-32.90	PASS
Band4	10MHz	16QAM	20000	1RB#0	-32.51	PASS
Band4	10MHz	64QAM	20000	1RB#0	-32.86	PASS
Band4	10MHz	QPSK	20000	1RB#49	-47.99	PASS
Band4	10MHz	16QAM	20000	1RB#49	-47.85	PASS
Band4	10MHz	64QAM	20000	1RB#49	-48.47	PASS
Band4	10MHz	QPSK	20000	50RB#0	-41.97	PASS
Band4	10MHz	16QAM	20000	50RB#0	-42.47	PASS
Band4	10MHz	64QAM	20000	50RB#0	-42.91	PASS
Band4	10MHz	QPSK	20350	1RB#0	-47.96	PASS
Band4	10MHz	16QAM	20350	1RB#0	-48.17	PASS
Band4	10MHz	64QAM	20350	1RB#0	-47.86	PASS
Band4	10MHz	QPSK	20350	1RB#49	-33.30	PASS
Band4	10MHz	16QAM	20350	1RB#49	-32.53	PASS
Band4	10MHz	64QAM	20350	1RB#49	-34.38	PASS
Band4	10MHz	QPSK	20350	50RB#0	-41.63	PASS
Band4	10MHz	16QAM	20350	50RB#0	-42.30	PASS
Band4	10MHz	64QAM	20350	50RB#0	-43.11	PASS
Band4	15MHz	QPSK	20025	1RB#0	-32.08	PASS
Band4	15MHz	16QAM	20025	1RB#0	-31.09	PASS
Band4	15MHz	64QAM	20025	1RB#0	-33.23	PASS
Band4	15MHz	QPSK	20025	1RB#74	-47.58	PASS
Band4	15MHz	16QAM	20025	1RB#74	-47.76	PASS
Band4	15MHz	64QAM	20025	1RB#74	-47.81	PASS
Band4	15MHz	QPSK	20025	75RB#0	-41.92	PASS
Band4	15MHz	16QAM	20025	75RB#0	-41.51	PASS

Band4	15MHz	64QAM	20025	75RB#0	-42.47	PASS
Band4	15MHz	QPSK	20325	1RB#0	-47.52	PASS
Band4	15MHz	16QAM	20325	1RB#0	-47.31	PASS
Band4	15MHz	64QAM	20325	1RB#0	-47.81	PASS
Band4	15MHz	QPSK	20325	1RB#74	-32.36	PASS
Band4	15MHz	16QAM	20325	1RB#74	-32.48	PASS
Band4	15MHz	64QAM	20325	1RB#74	-32.36	PASS
Band4	15MHz	QPSK	20325	75RB#0	-41.60	PASS
Band4	15MHz	16QAM	20325	75RB#0	-42.37	PASS
Band4	15MHz	64QAM	20325	75RB#0	-43.04	PASS
Band4	20MHz	QPSK	20050	1RB#0	-35.29	PASS
Band4	20MHz	16QAM	20050	1RB#0	-34.75	PASS
Band4	20MHz	64QAM	20050	1RB#0	-35.80	PASS
Band4	20MHz	QPSK	20050	1RB#99	-46.82	PASS
Band4	20MHz	16QAM	20050	1RB#99	-46.82	PASS
Band4	20MHz	64QAM	20050	1RB#99	-46.90	PASS
Band4	20MHz	QPSK	20050	100RB#0	-42.90	PASS
Band4	20MHz	16QAM	20050	100RB#0	-42.66	PASS
Band4	20MHz	64QAM	20050	100RB#0	-43.29	PASS
Band4	20MHz	QPSK	20300	1RB#0	-35.77	PASS
Band4	20MHz	16QAM	20300	1RB#0	-36.09	PASS
Band4	20MHz	64QAM	20300	1RB#0	-37.11	PASS
Band4	20MHz	QPSK	20300	1RB#99	-35.33	PASS
Band4	20MHz	16QAM	20300	1RB#99	-34.14	PASS
Band4	20MHz	64QAM	20300	1RB#99	-37.02	PASS
Band4	20MHz	QPSK	20300	100RB#0	-42.11	PASS
Band4	20MHz	16QAM	20300	100RB#0	-42.96	PASS
Band4	20MHz	64QAM	20300	100RB#0	-43.98	PASS

Test Graphs

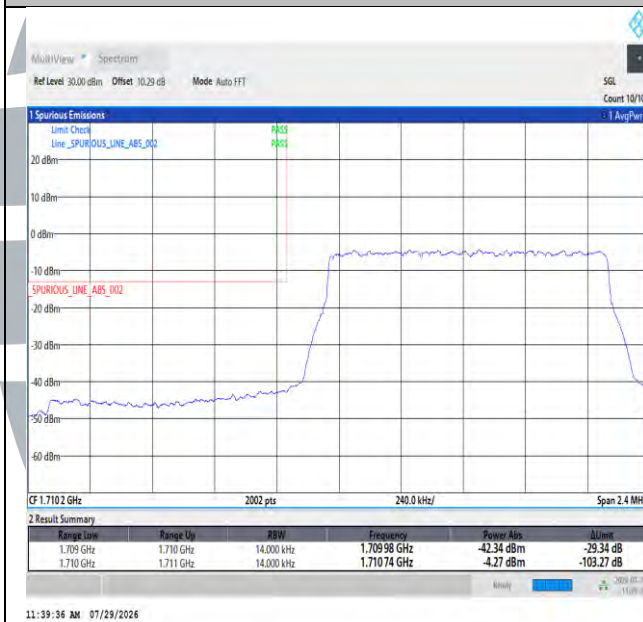




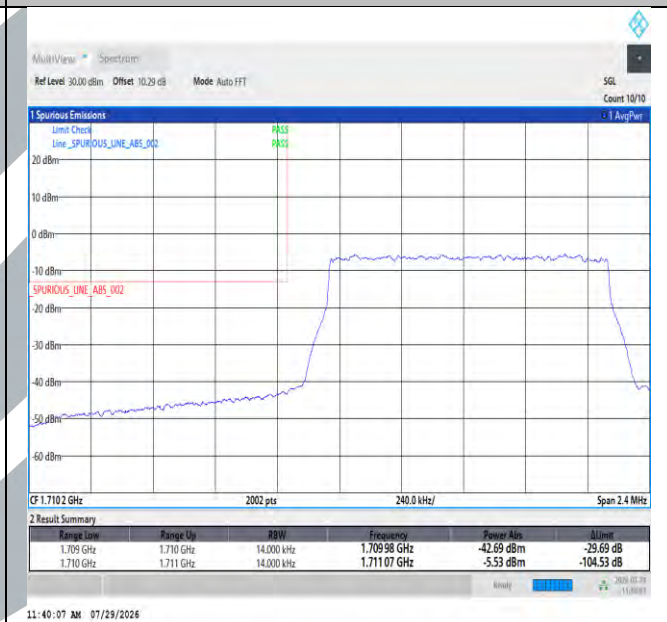
Band4-1.4MHz-16QAM-19957-1RB#5-PASS



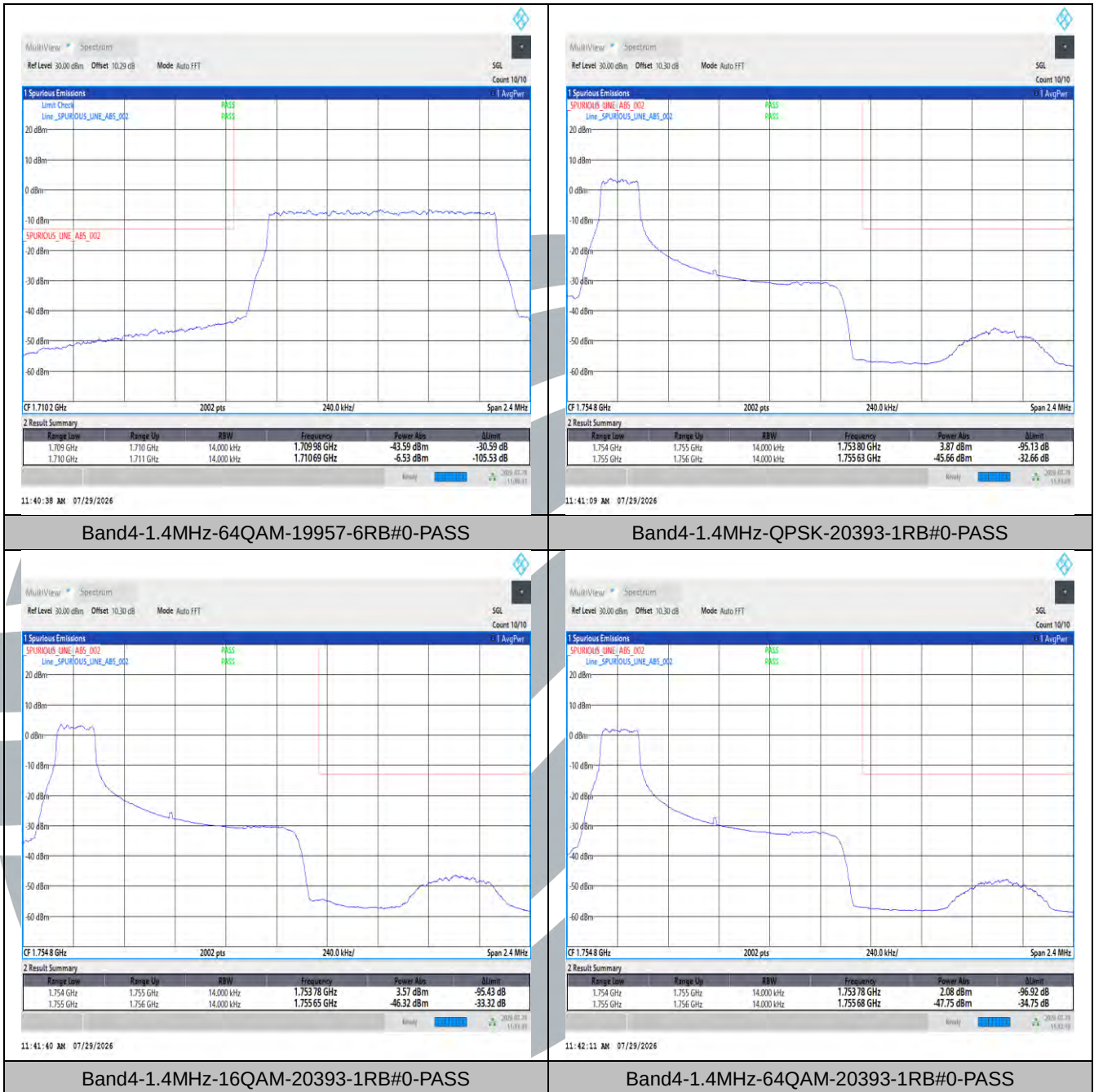
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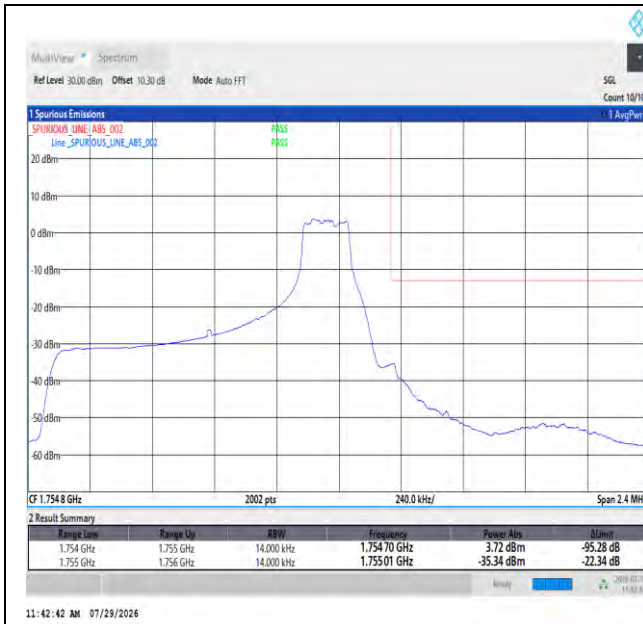


Band4-1.4MHz-QPSK-19957-6RB#0-PASS



Band4-1.4MHz-16QAM-19957-6RB#0-PASS

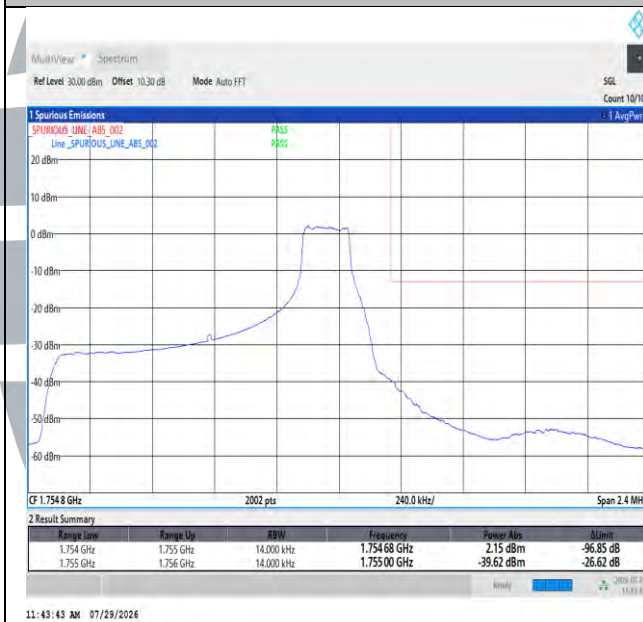




Band4-1.4MHz-QPSK-20393-1RB#5-PASS



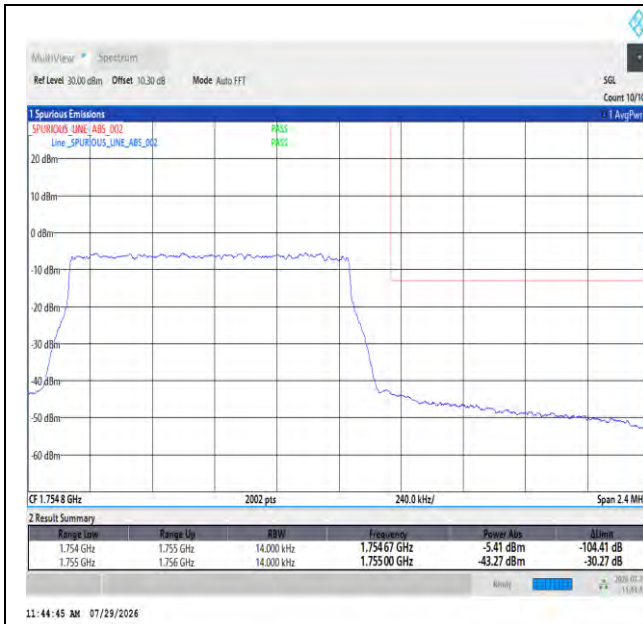
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Band4-1.4MHz-64QAM-20393-1RB#5-PASS



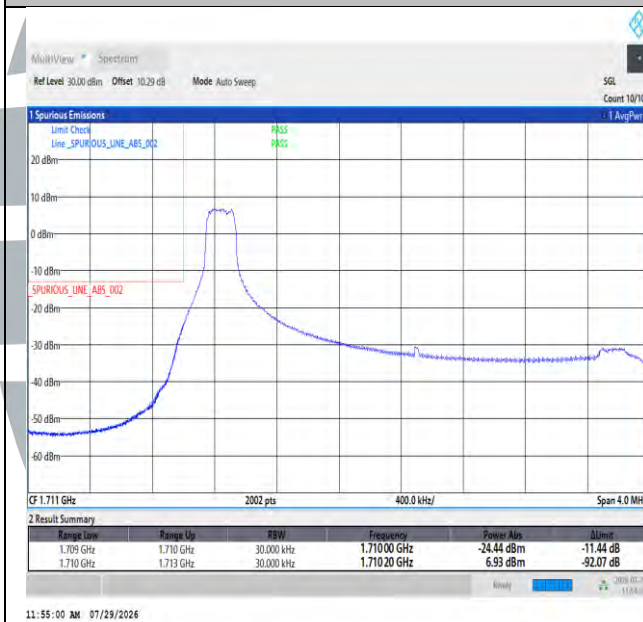
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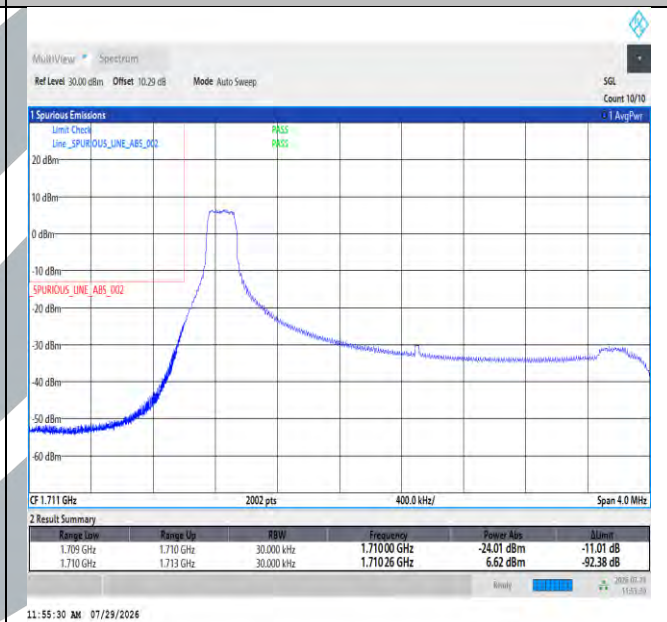
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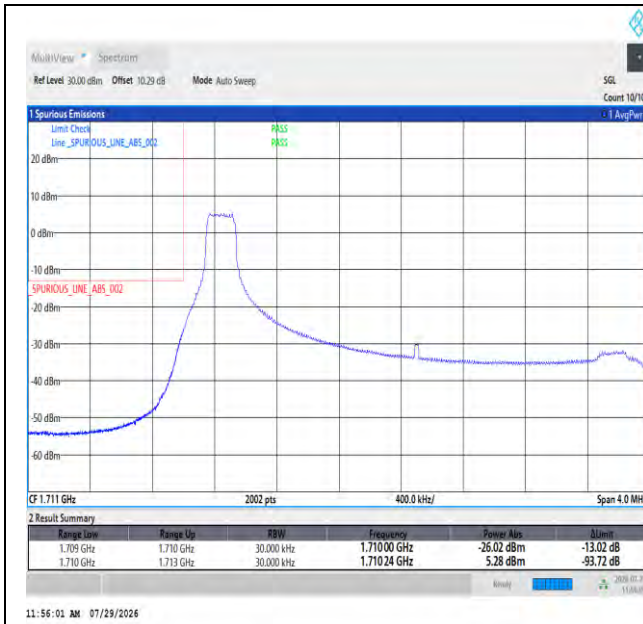
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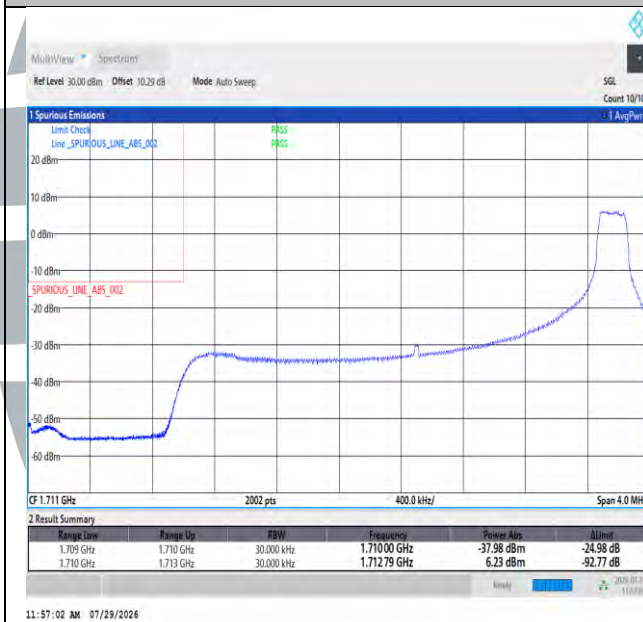
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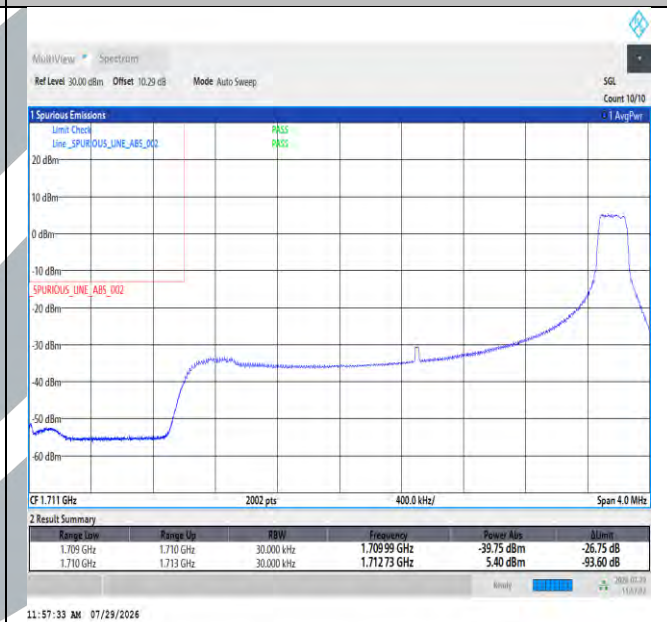
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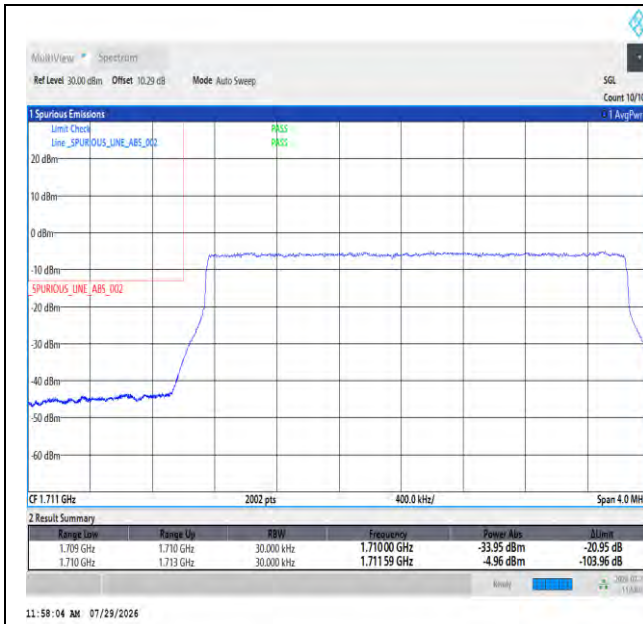
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Band4-3MHz-16QAM-19965-1RB#14-PASS



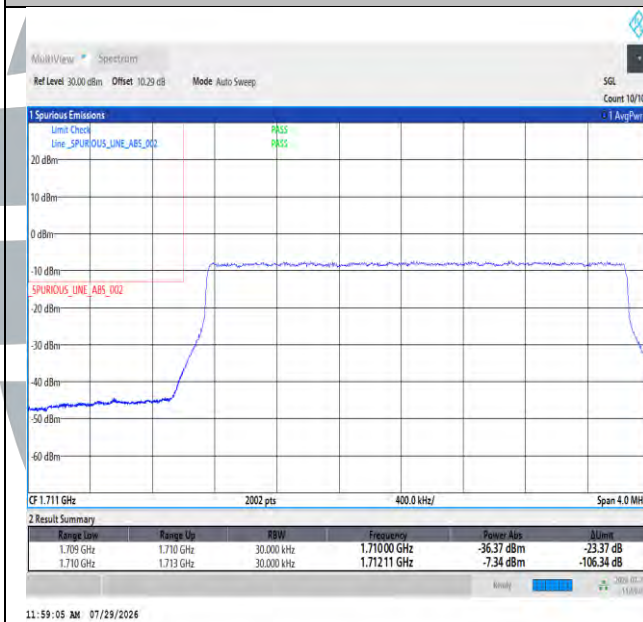
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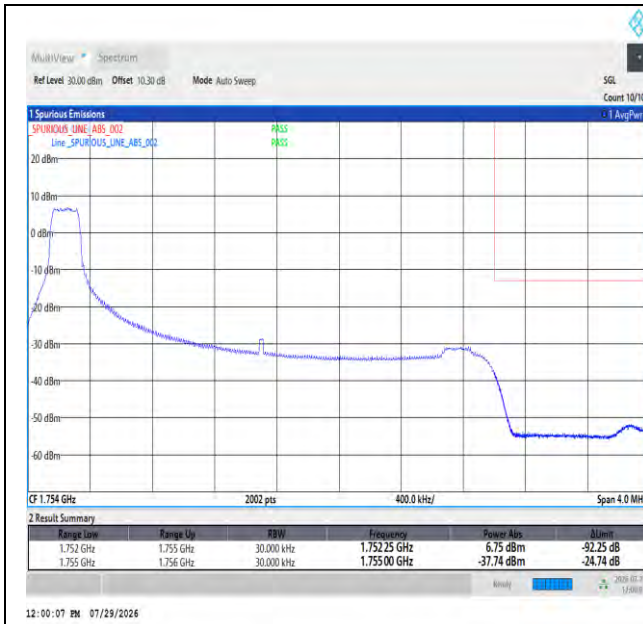
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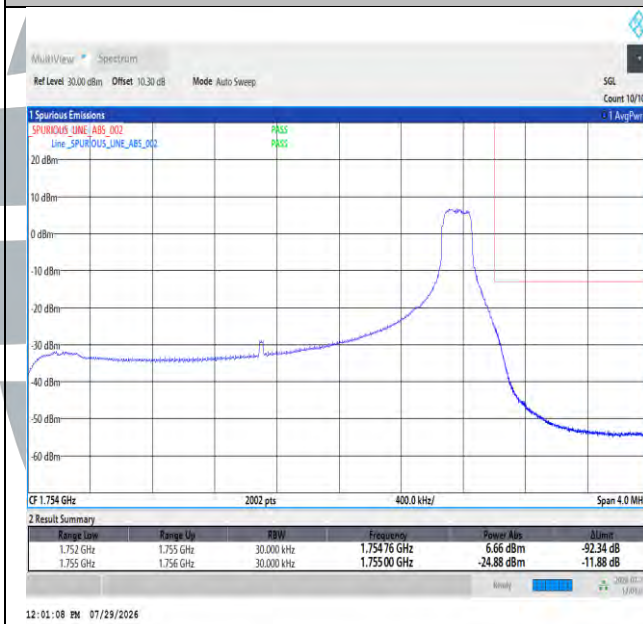
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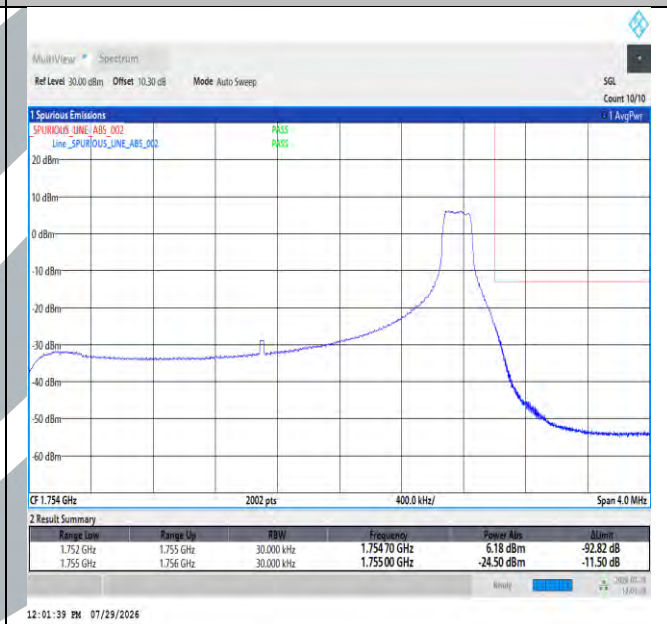
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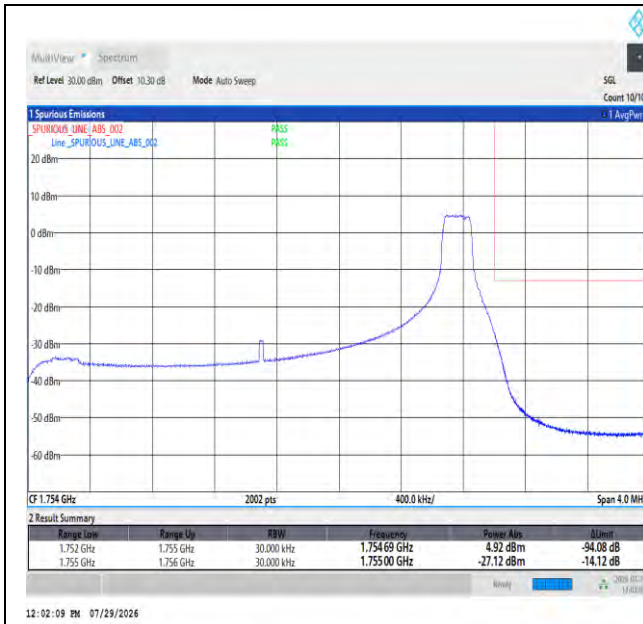
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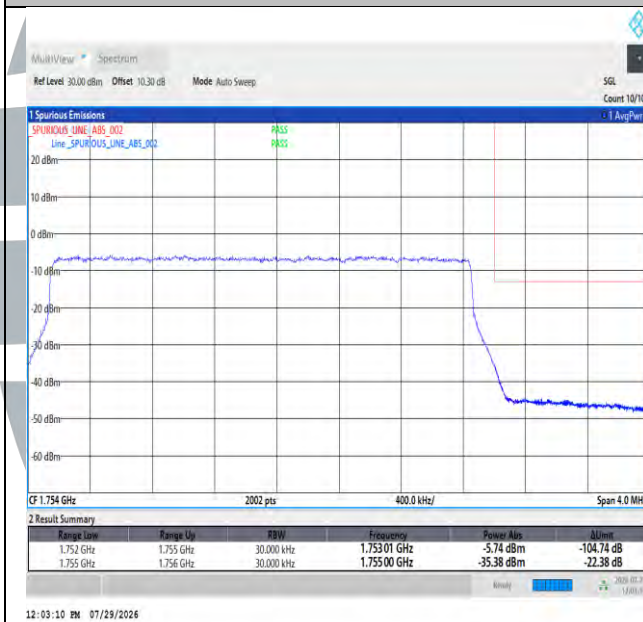
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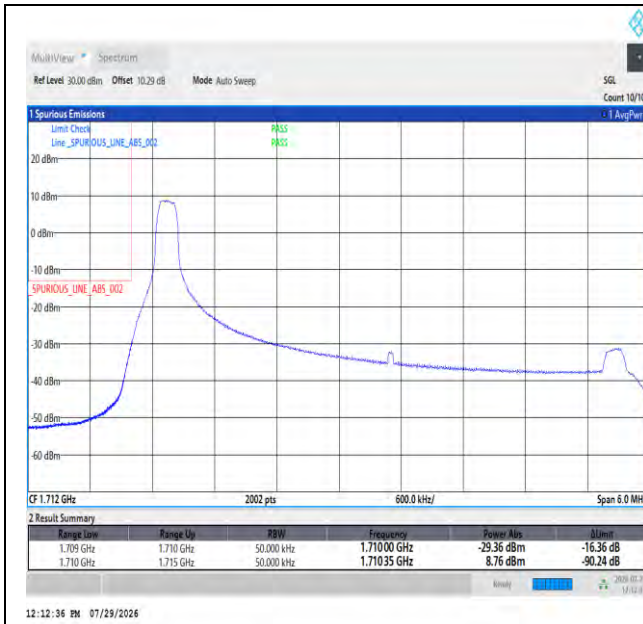
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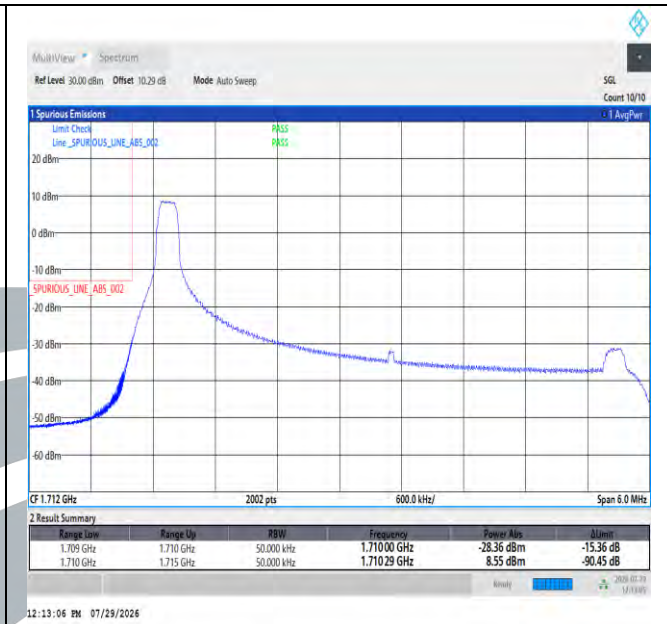
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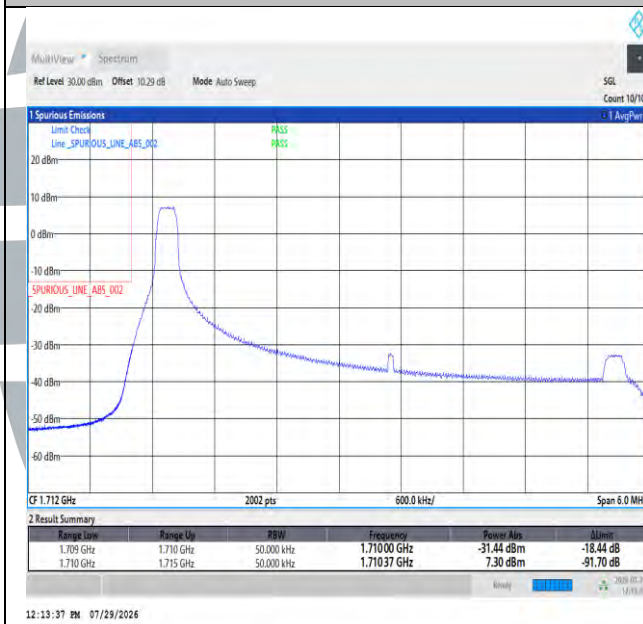
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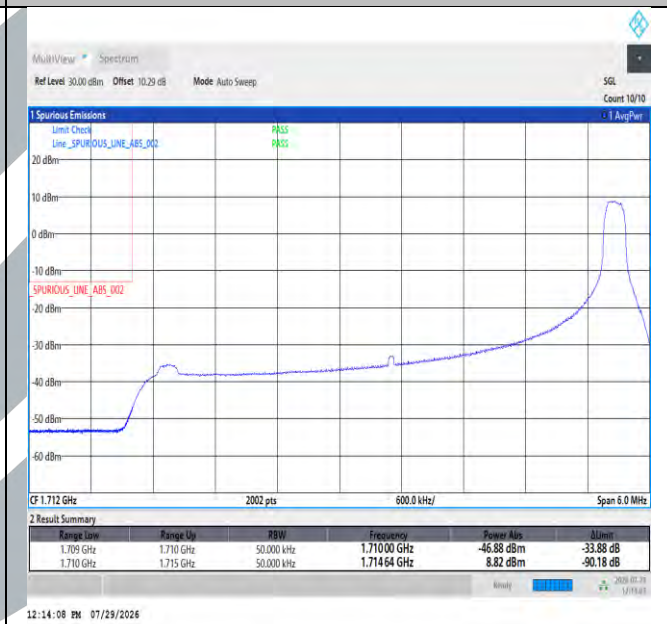
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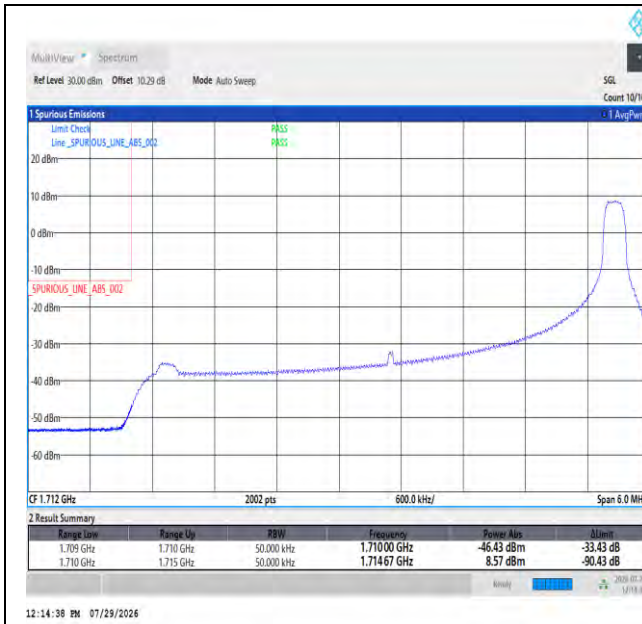
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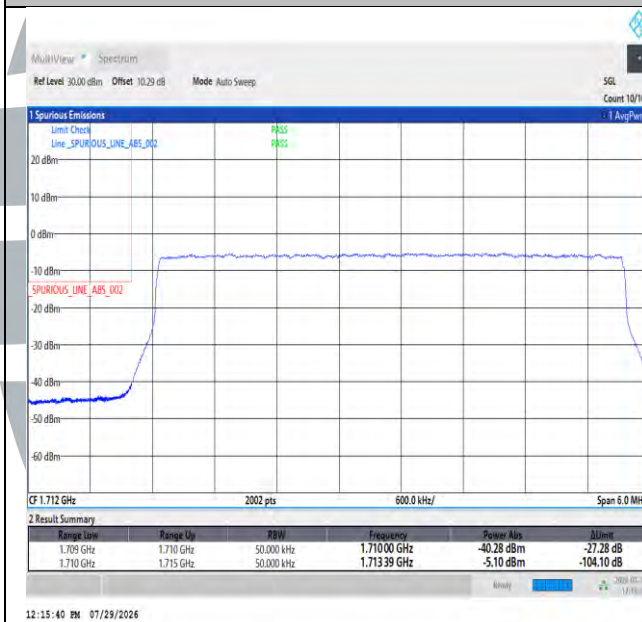
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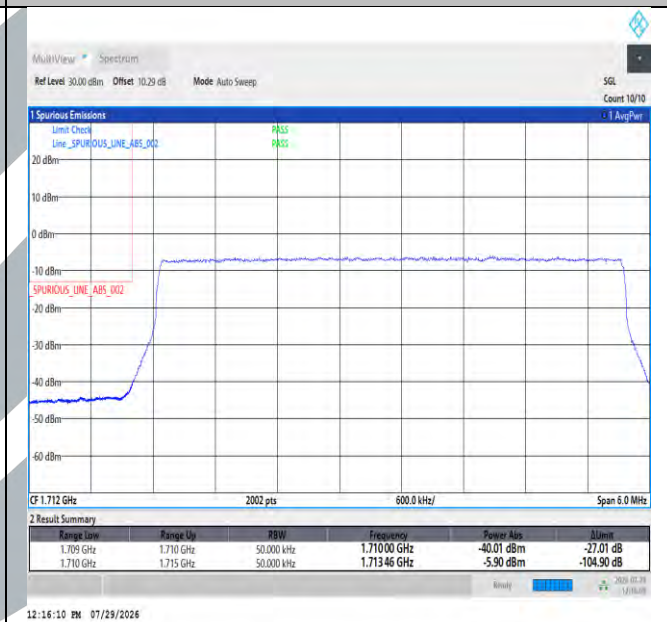
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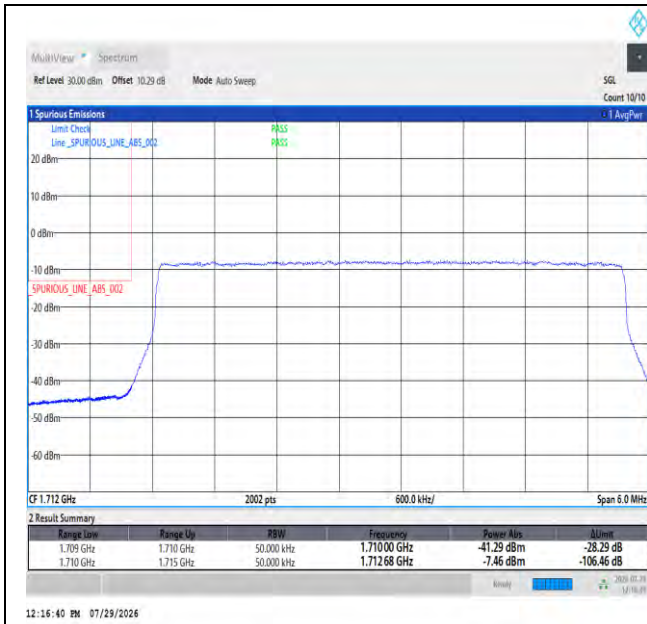
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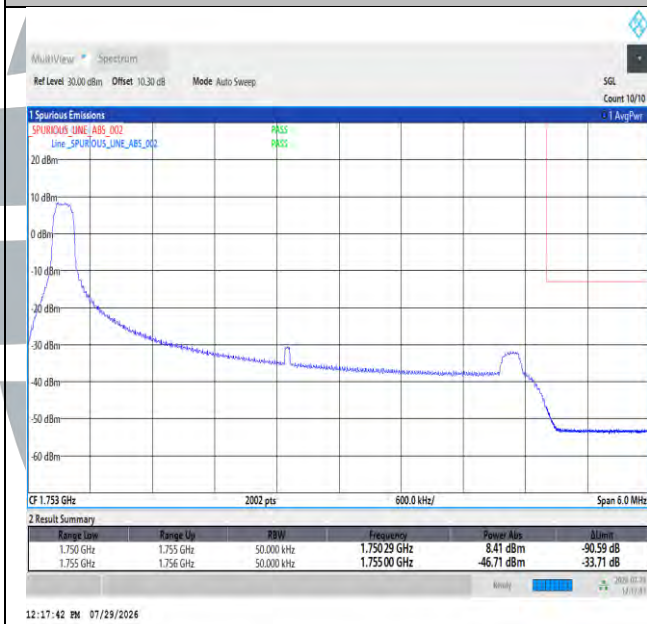
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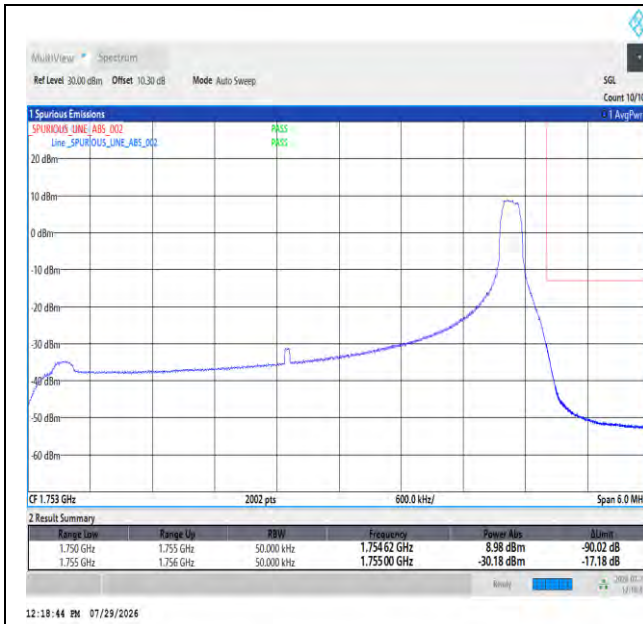
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Band4-5MHz-16QAM-20375-1RB#0-PASS



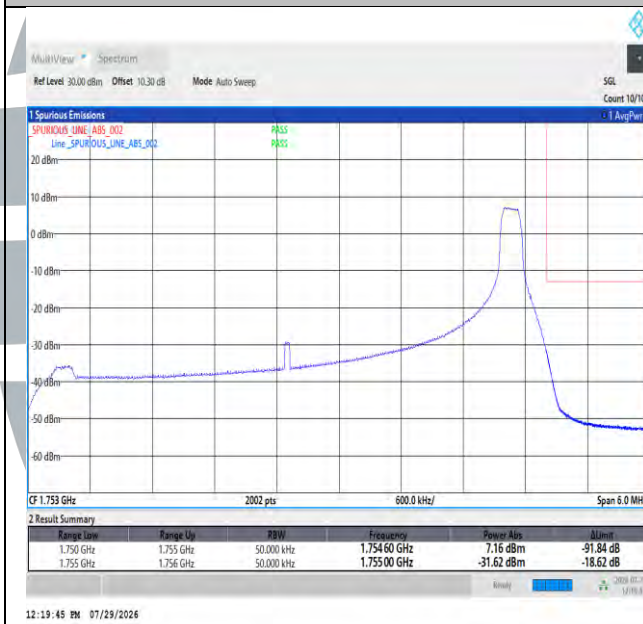
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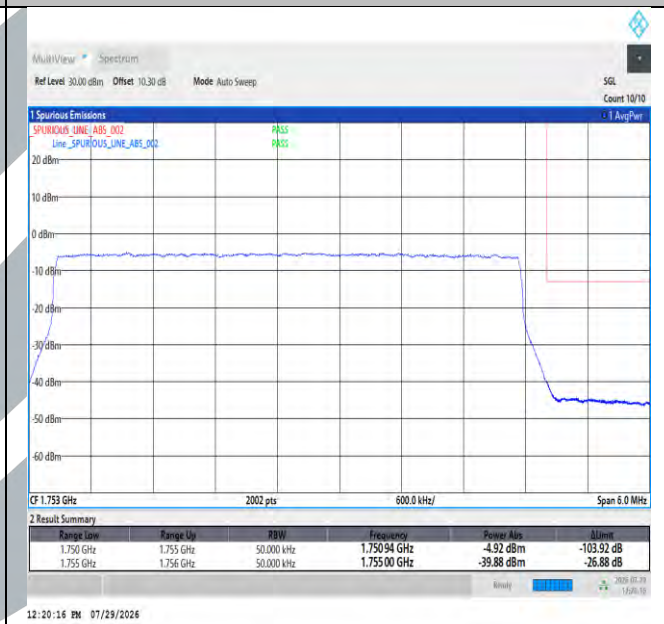
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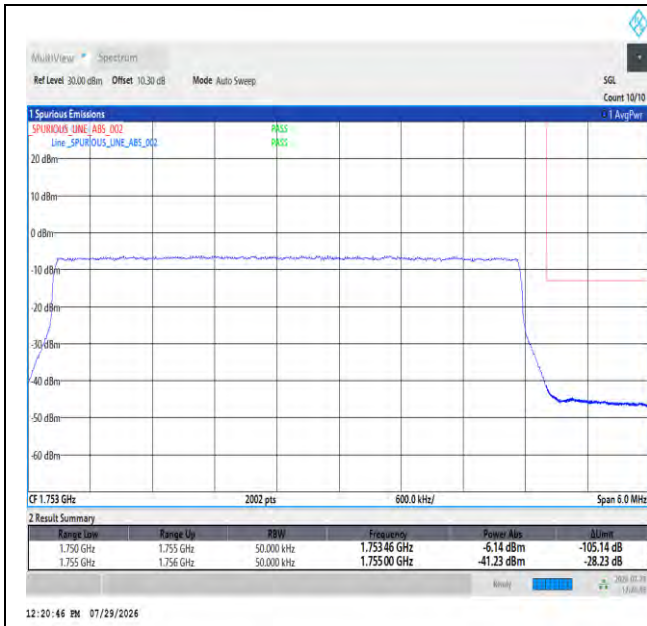
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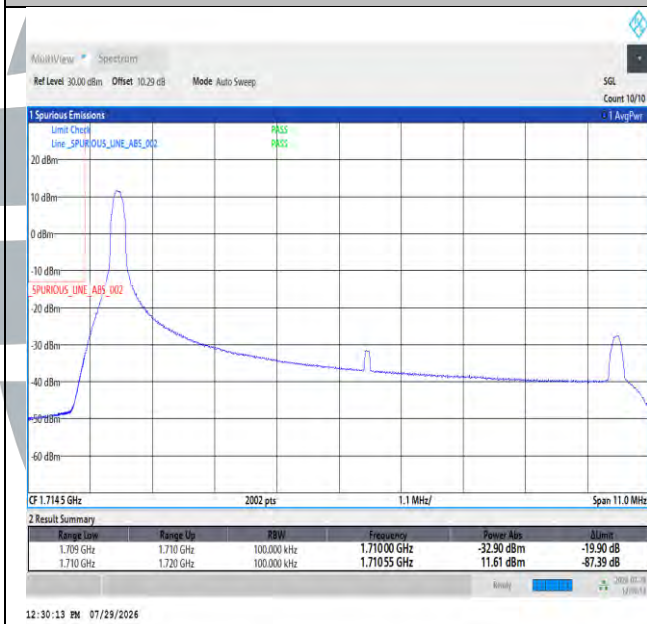
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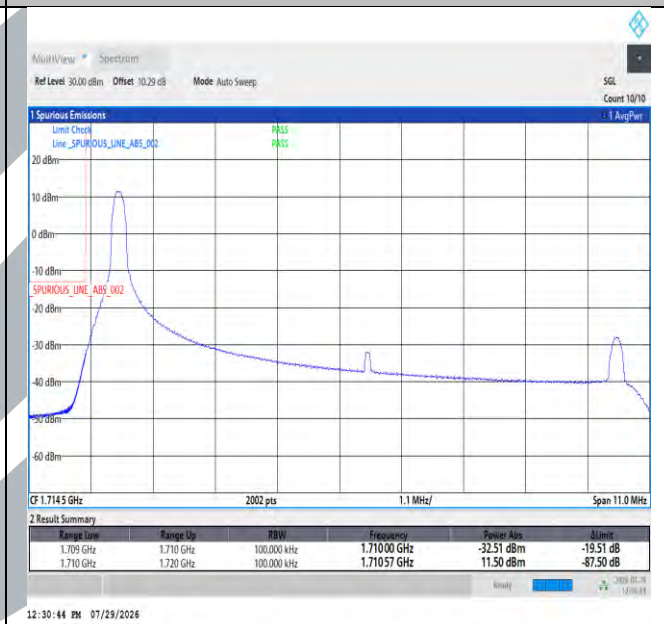
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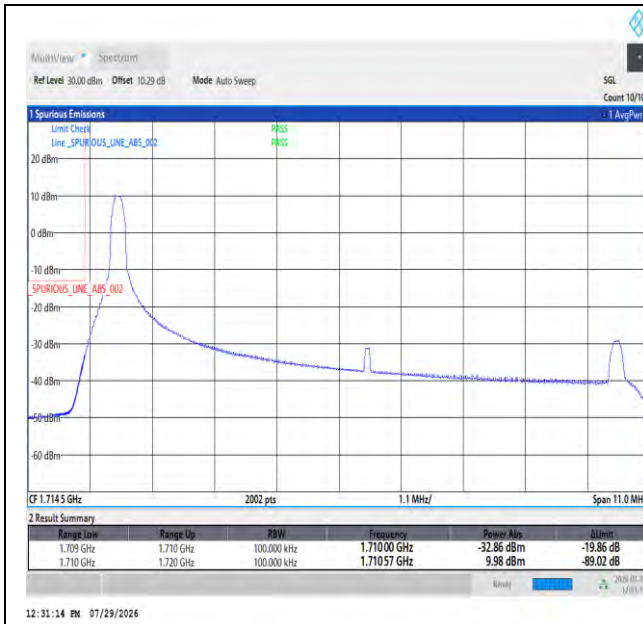
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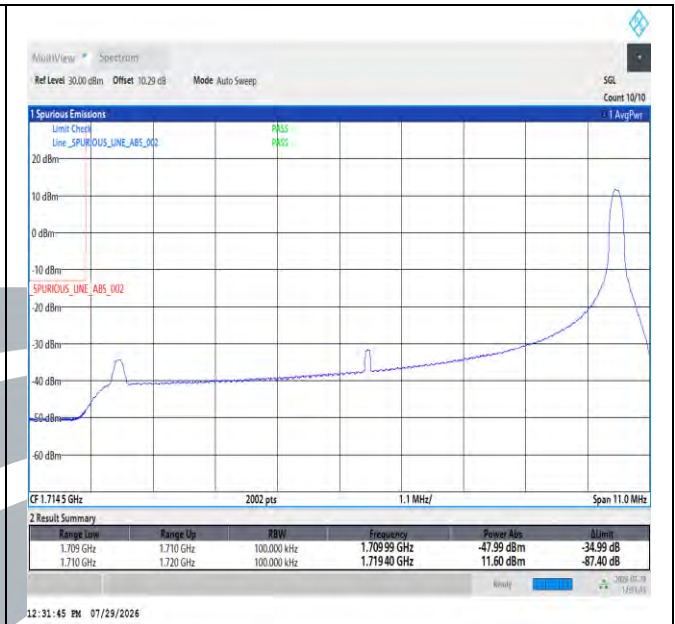
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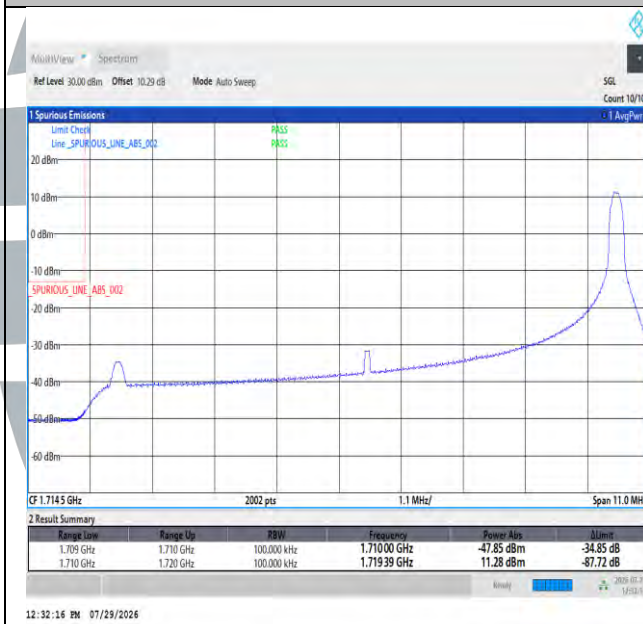
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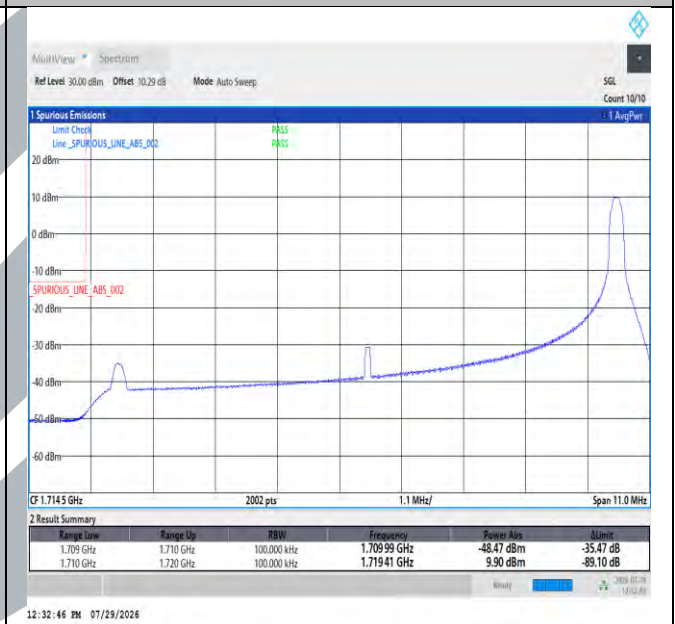
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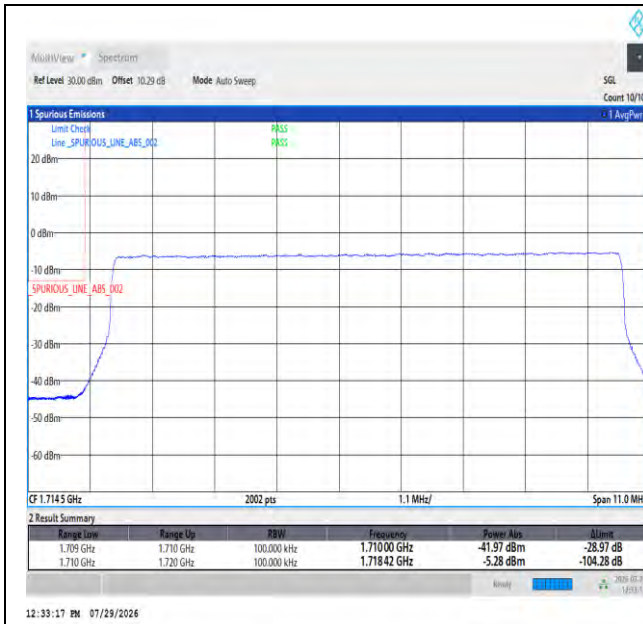
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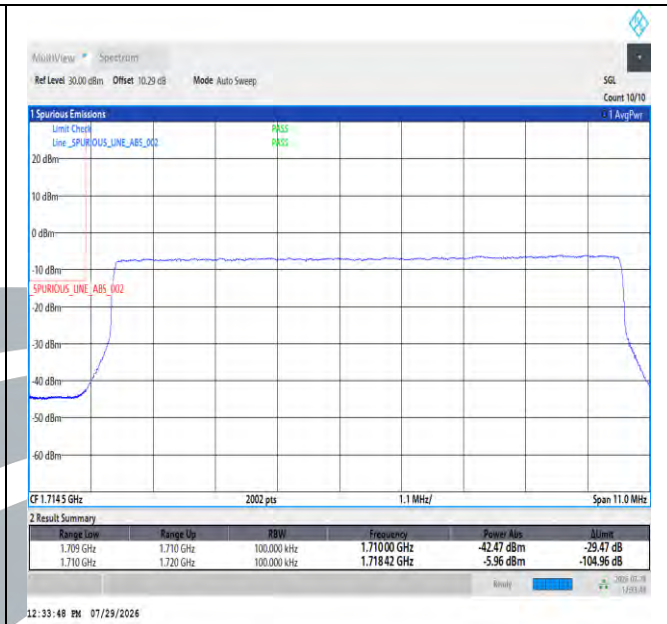
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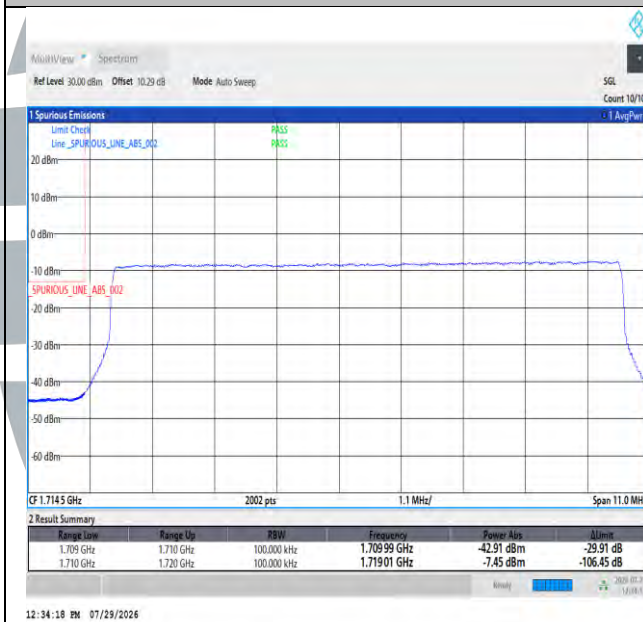
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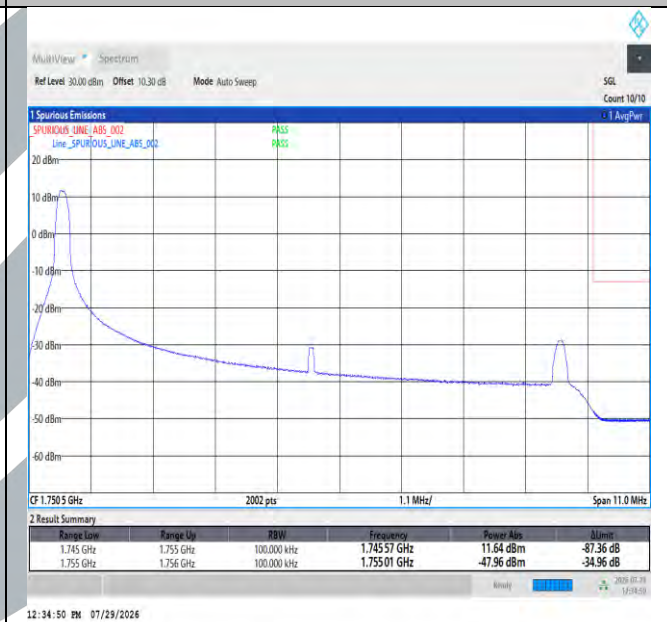
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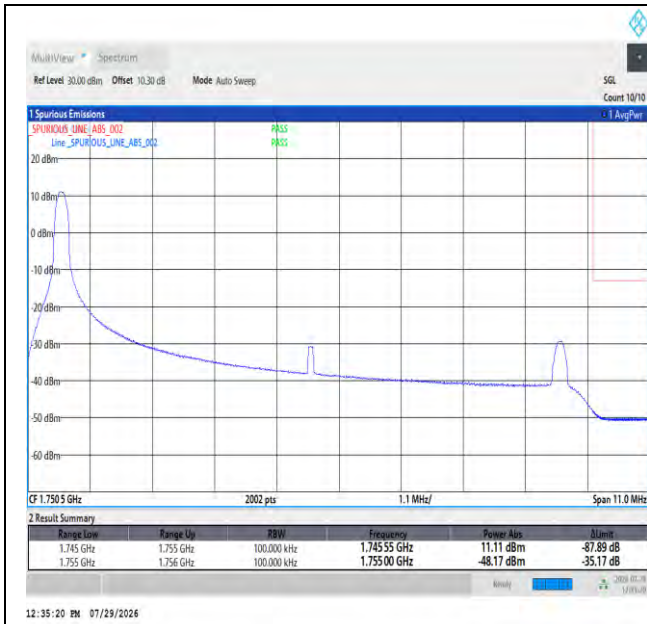
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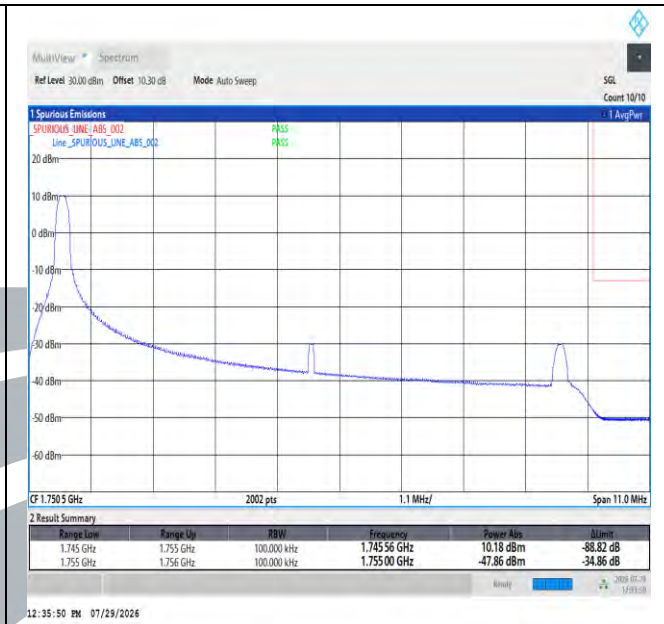
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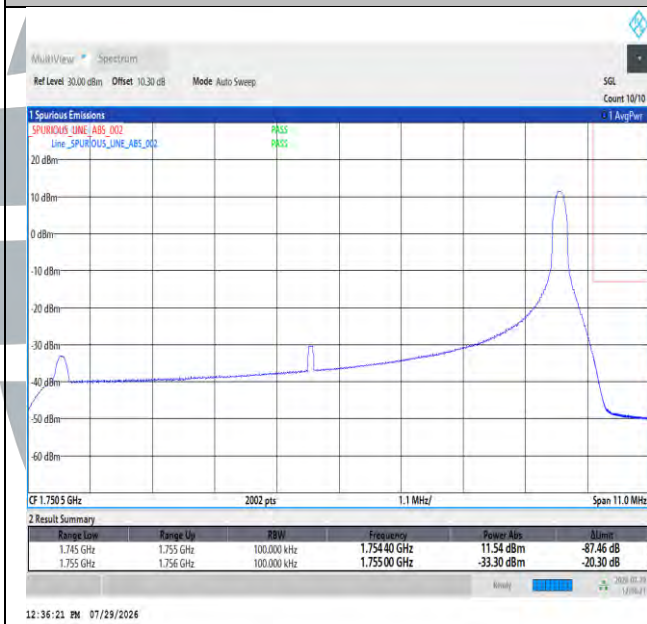
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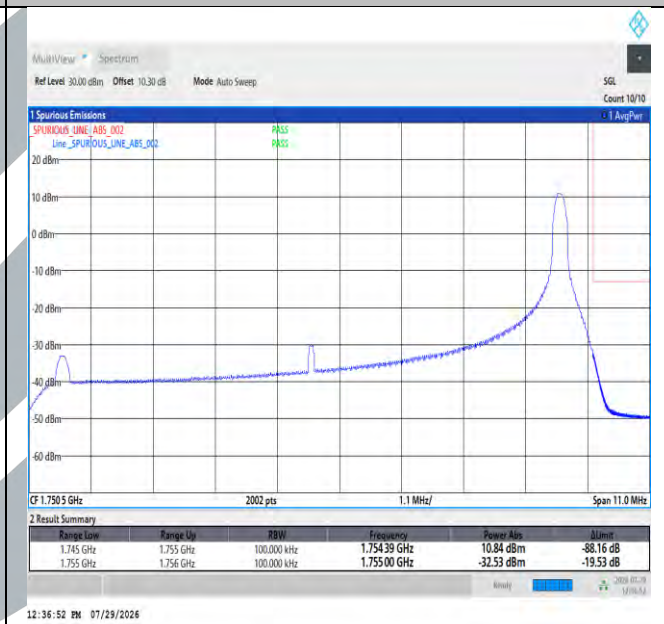
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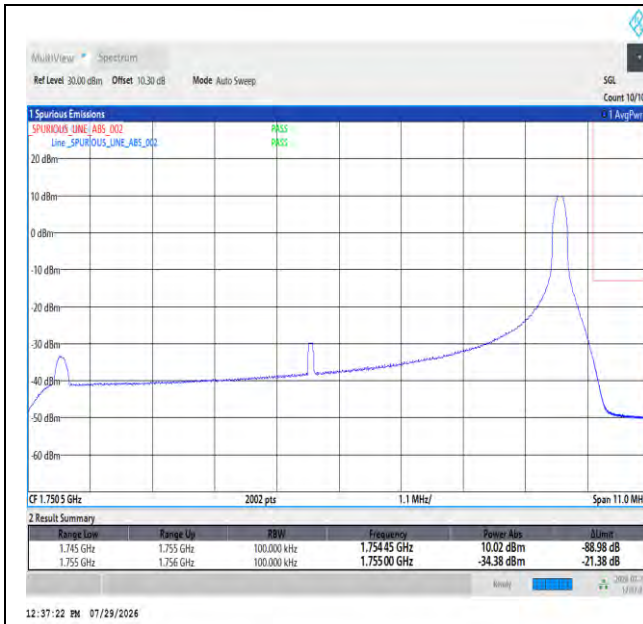
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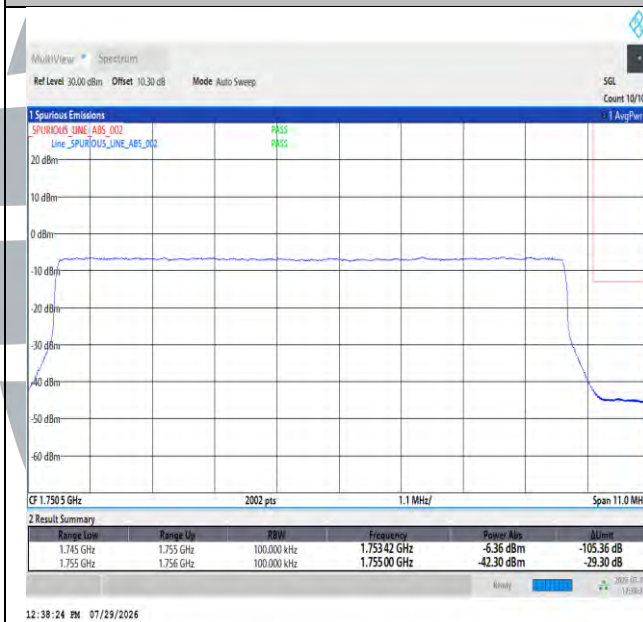
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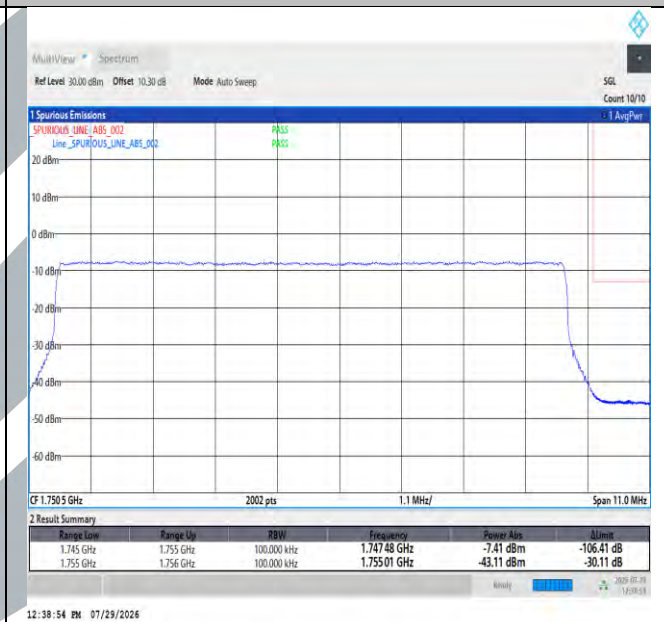
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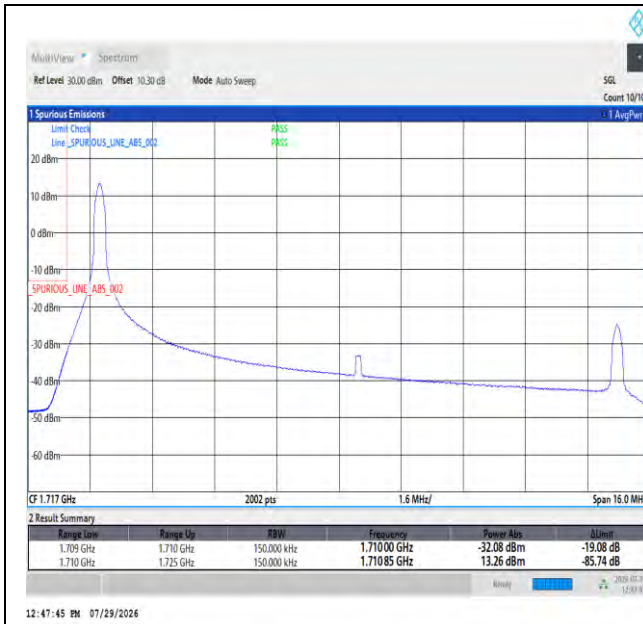
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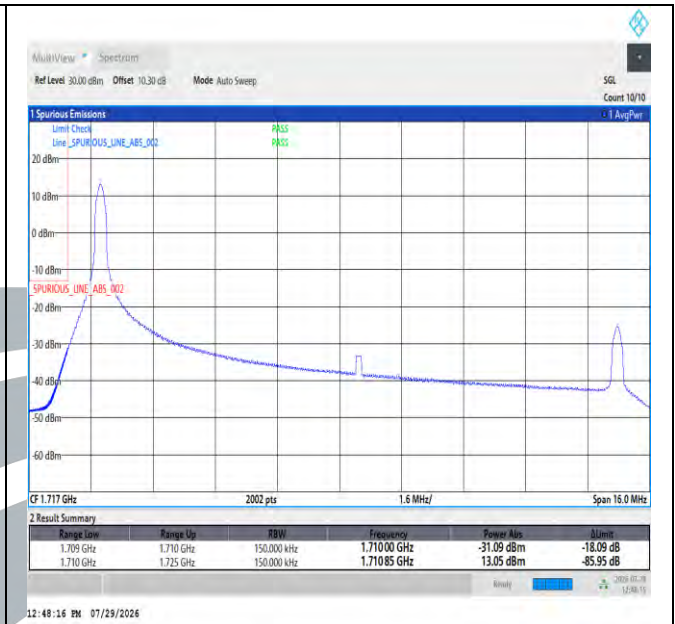
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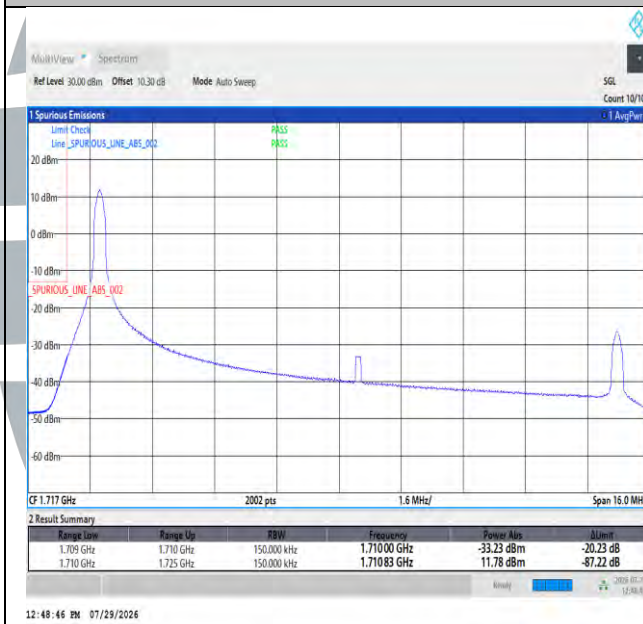
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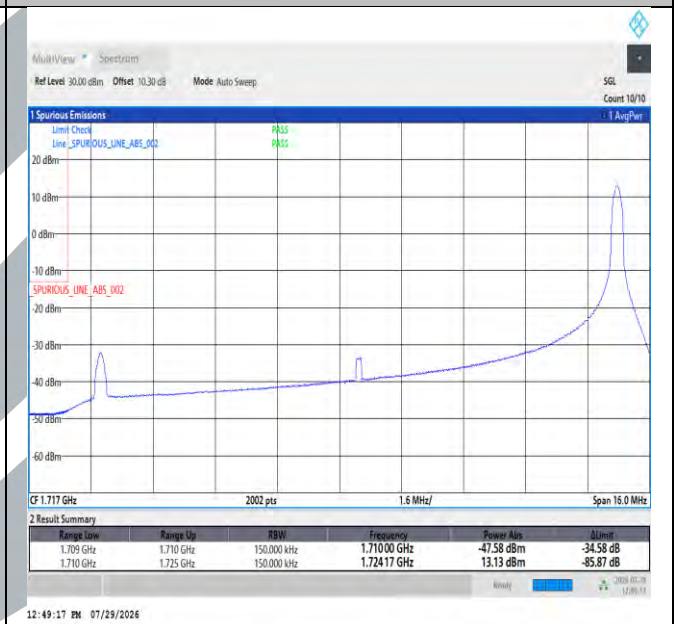
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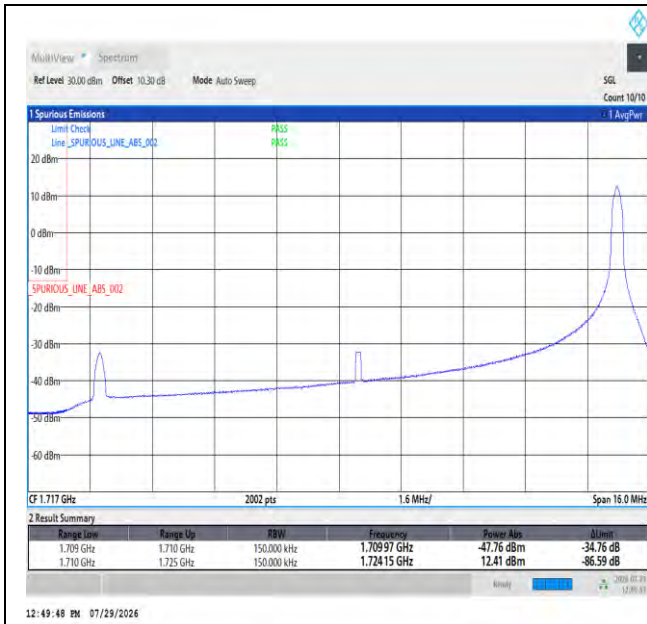
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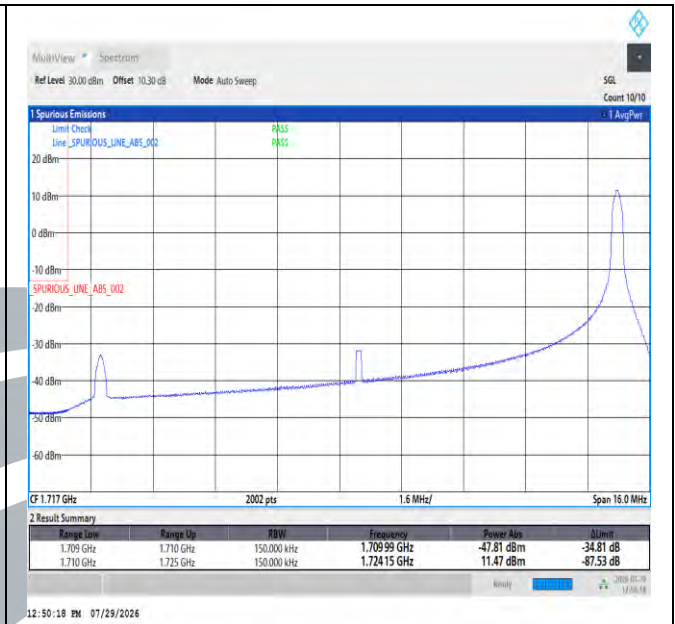
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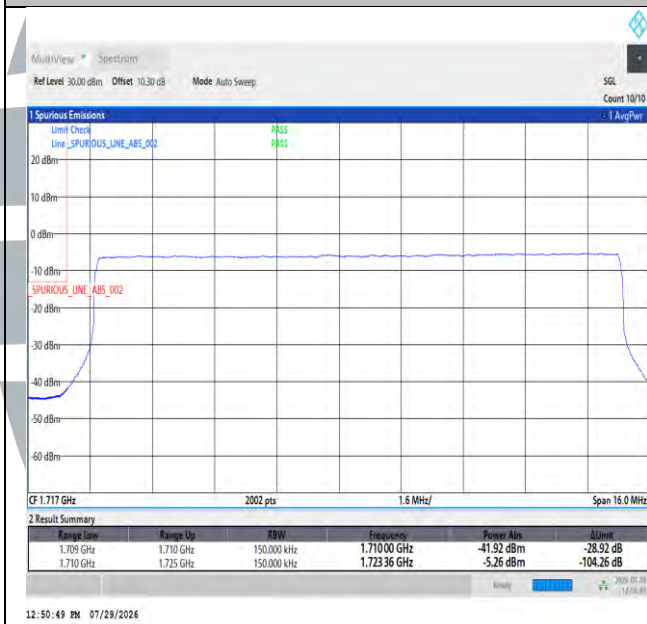
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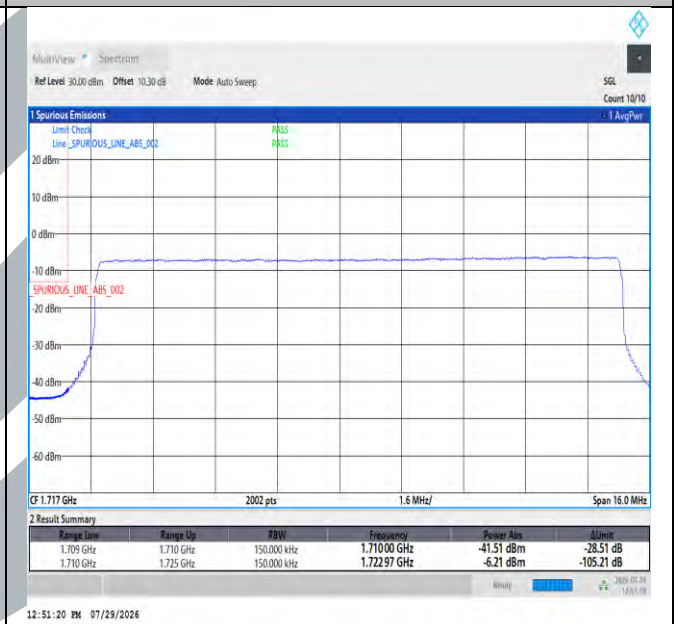
Band4-15MHz-16QAM-20025-1RB#74-PASS



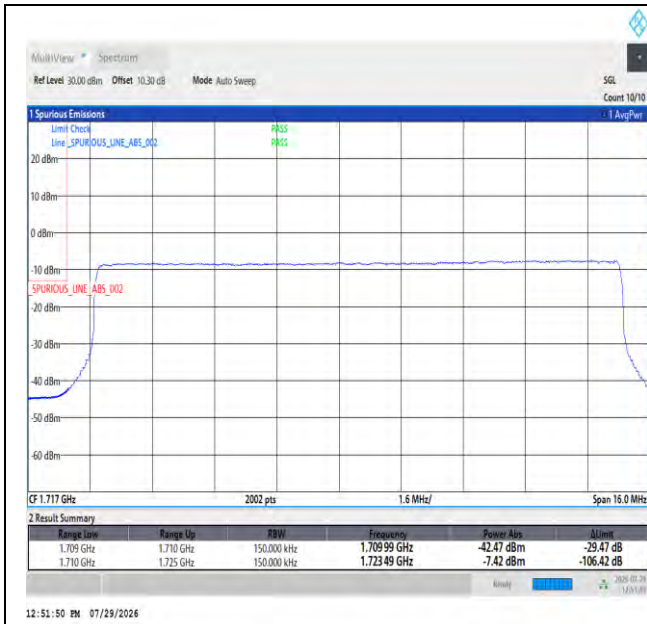
Band4-15MHz-64QAM-20025-1RB#74-PASS



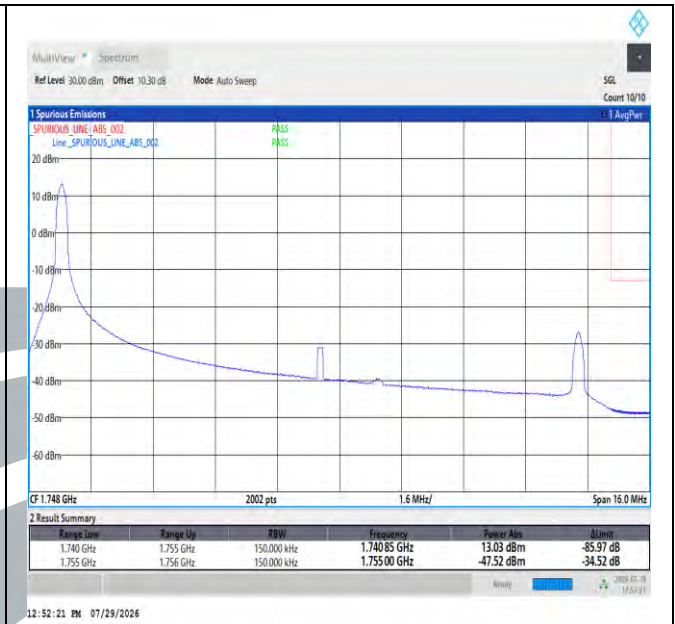
Band4-15MHz-QPSK-20025-75RB#0-PASS



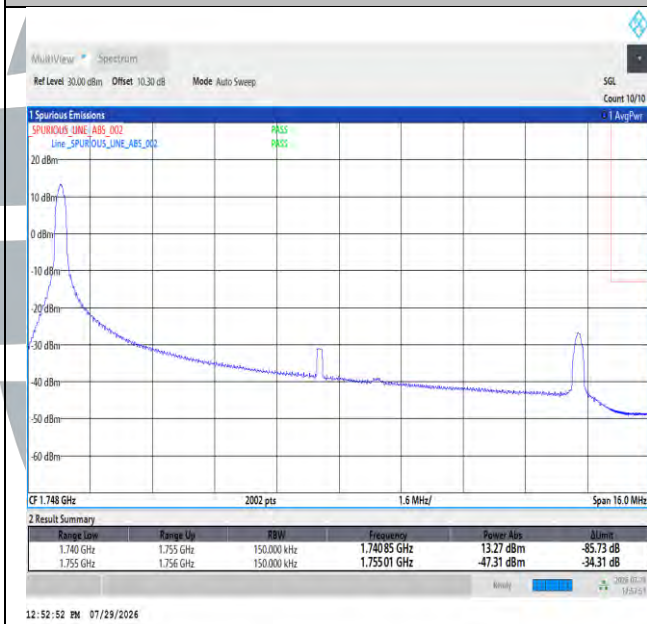
Band4-15MHz-16QAM-20025-75RB#0-PASS



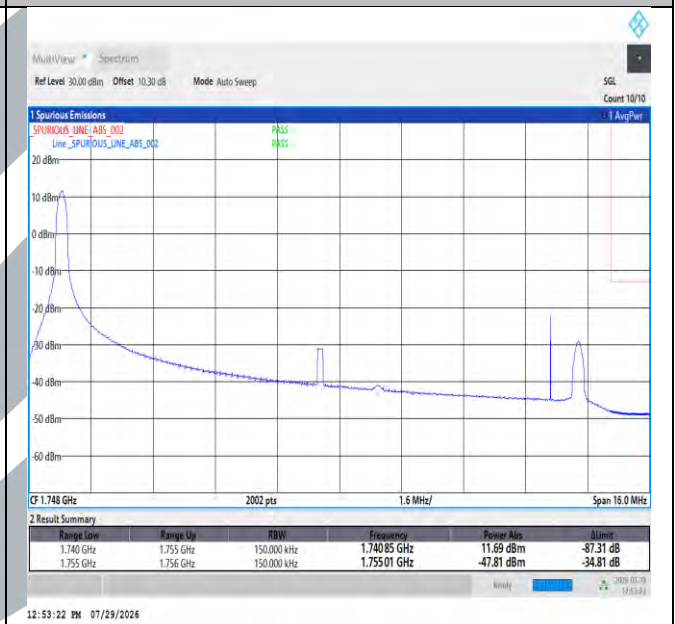
Band4-15MHz-64QAM-20025-75RB#0-PASS



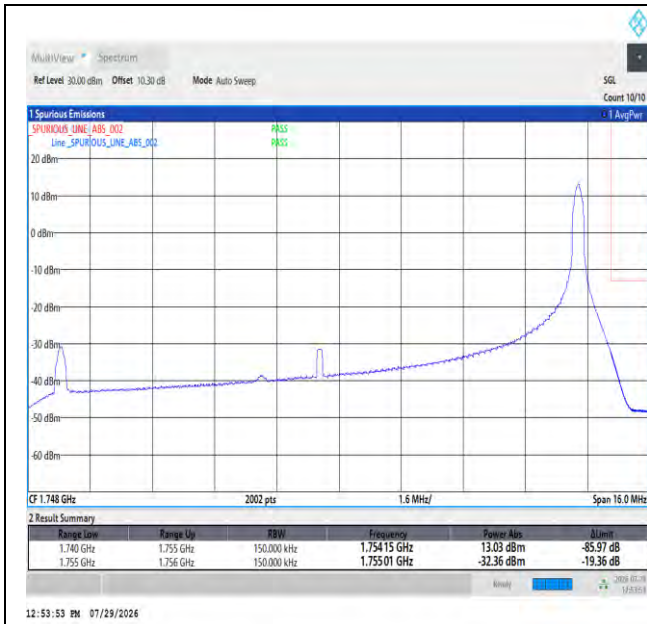
Band4-15MHz-QPSK-20325-1RB#0-PASS



Band4-15MHz-16QAM-20325-1RB#0-PASS



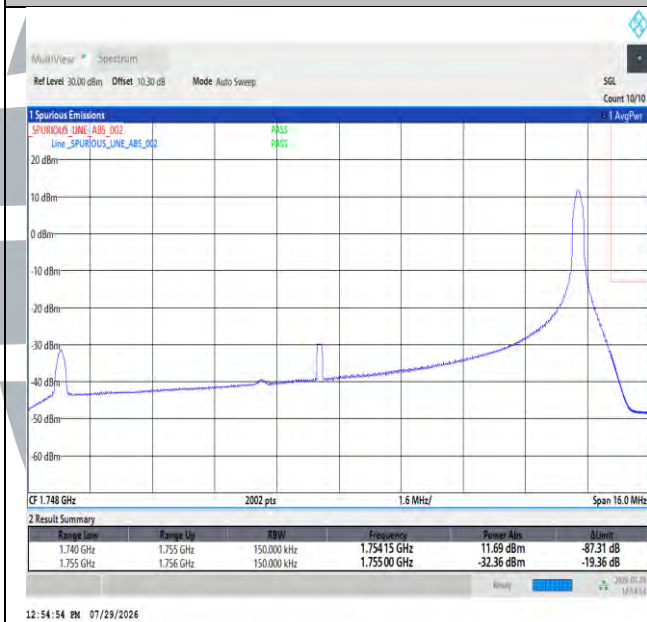
Band4-15MHz-64QAM-20325-1RB#0-PASS



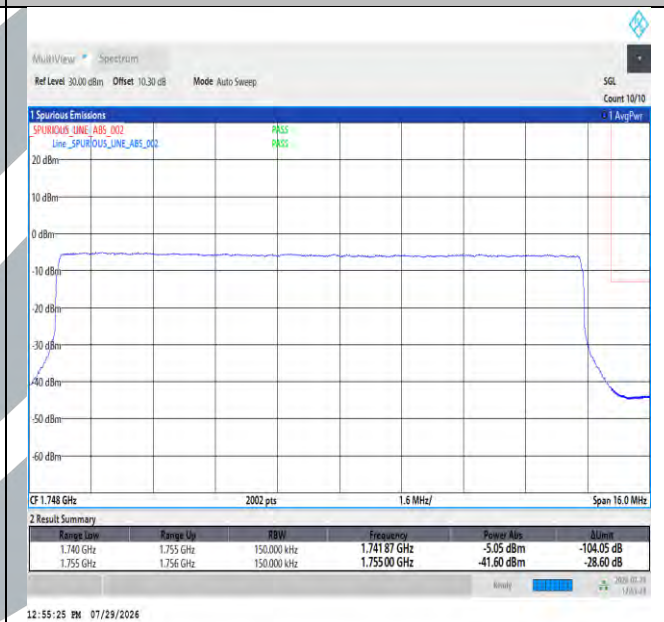
Band4-15MHz-QPSK-20325-1RB#74-PASS



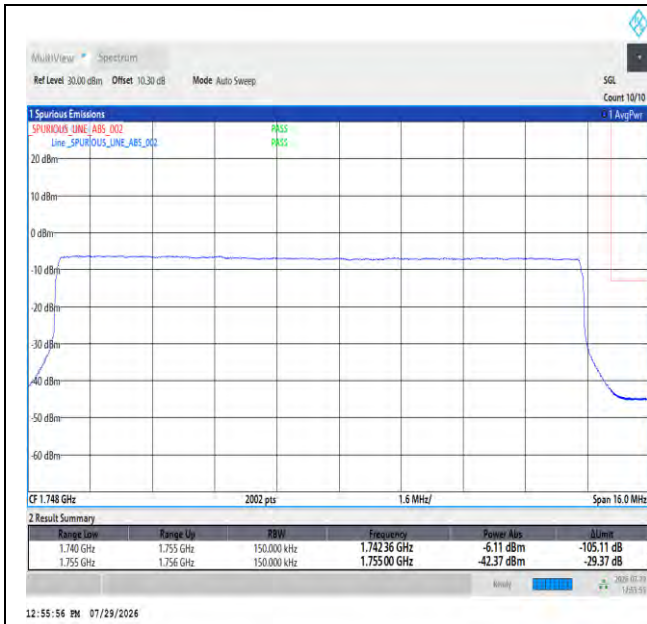
Band4-15MHz-16QAM-20325-1RB#74-PASS



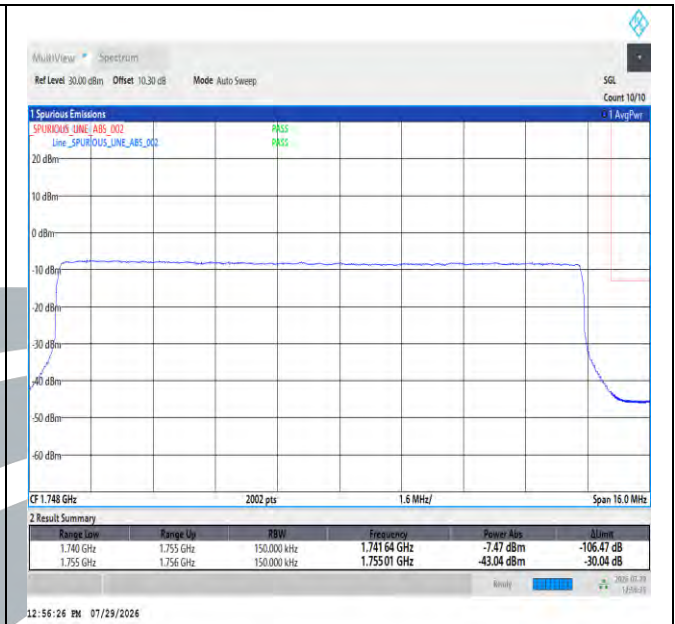
Band4-15MHz-64QAM-20325-1RB#74-PASS



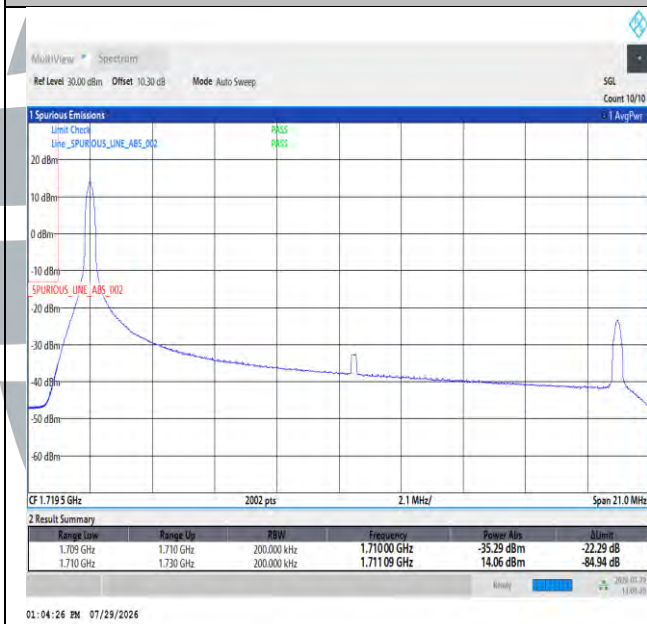
Band4-15MHz-QPSK-20325-75RB#0-PASS



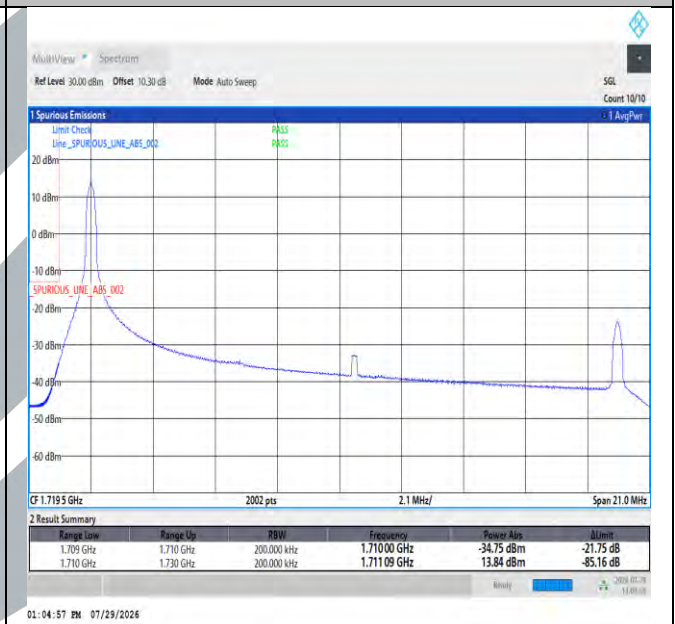
Band4-15MHz-16QAM-20325-75RB#0-PASS



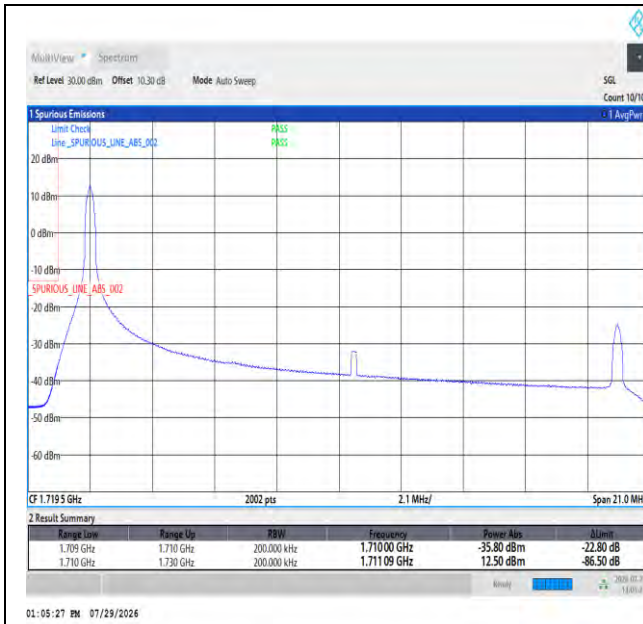
Band4-15MHz-64QAM-20325-75RB#0-PASS



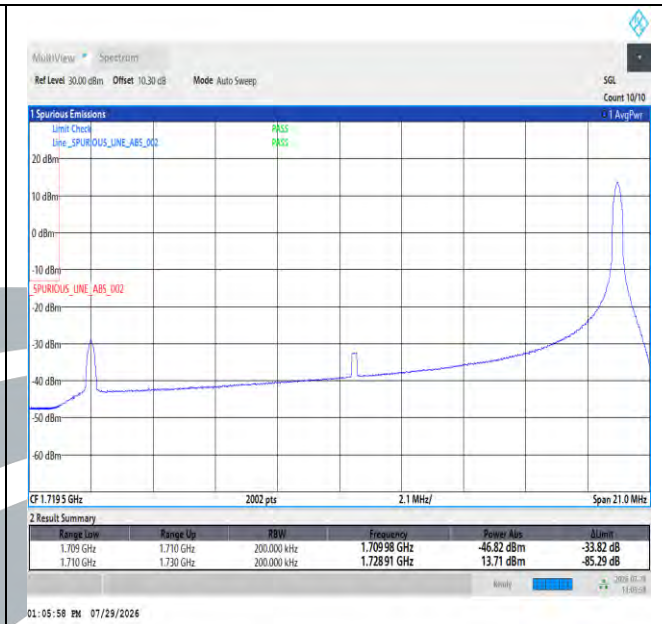
Band4-20MHz-QPSK-20050-1RB#0-PASS



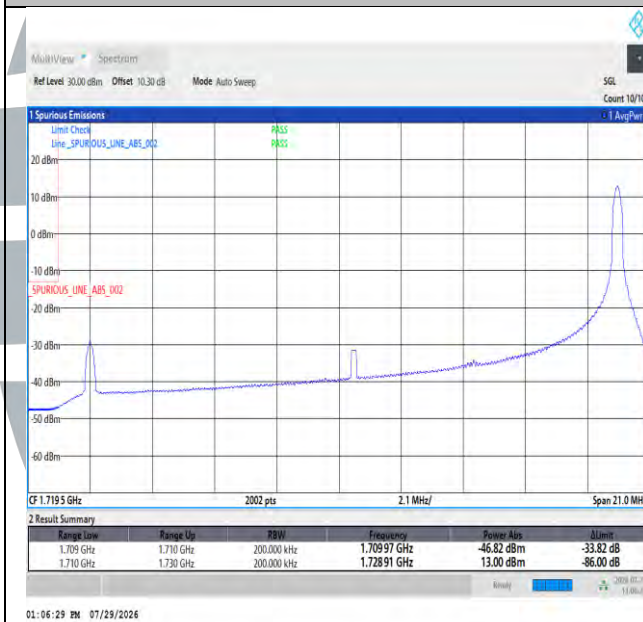
Band4-20MHz-16QAM-20050-1RB#0-PASS



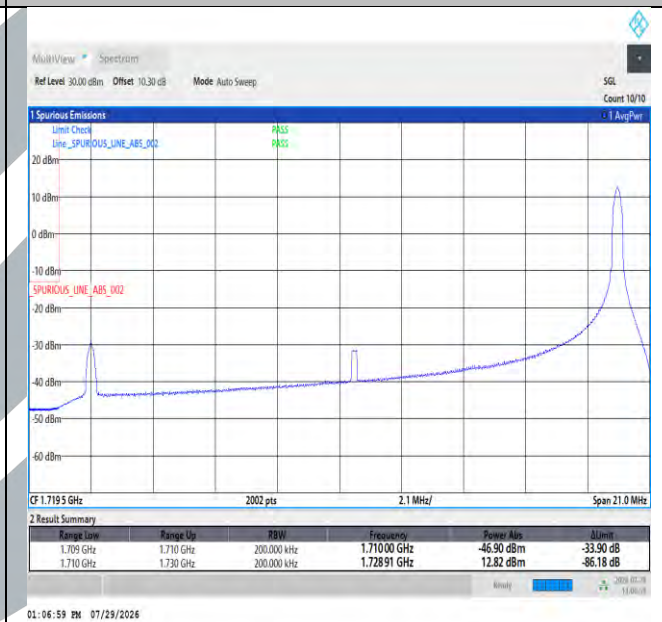
Band4-20MHz-64QAM-20050-1RB#0-PASS



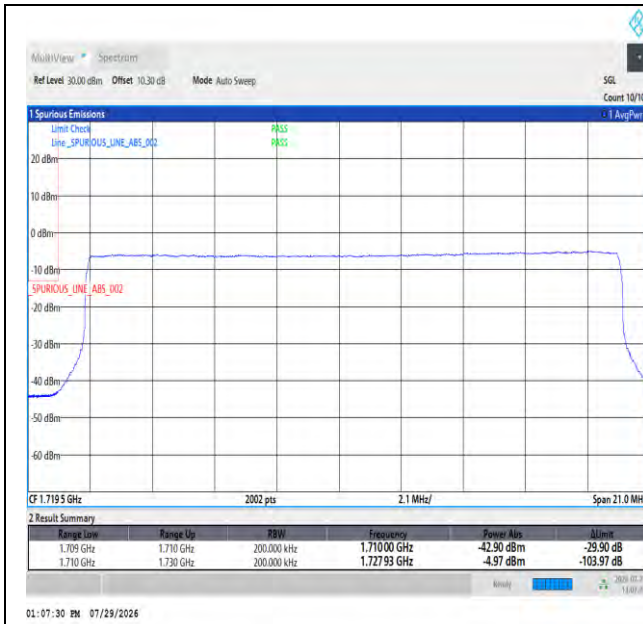
Band4-20MHz-QPSK-20050-1RB#99-PASS



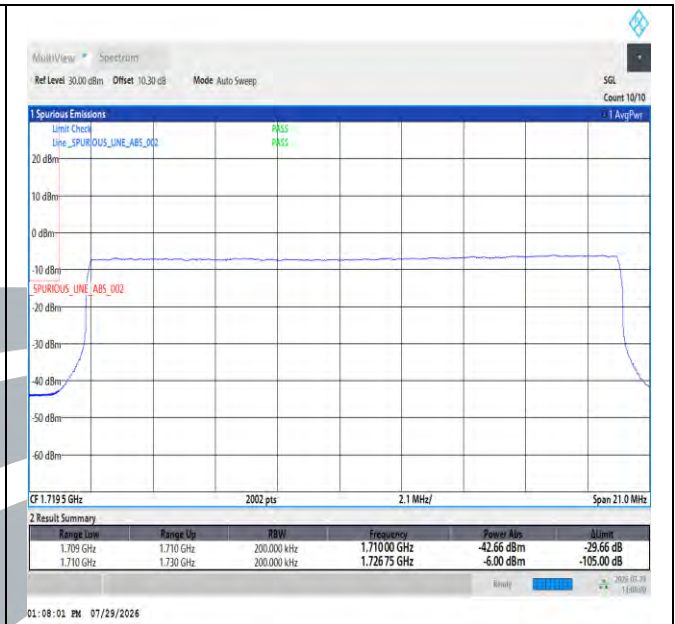
Band4-20MHz-16QAM-20050-1RB#99-PASS



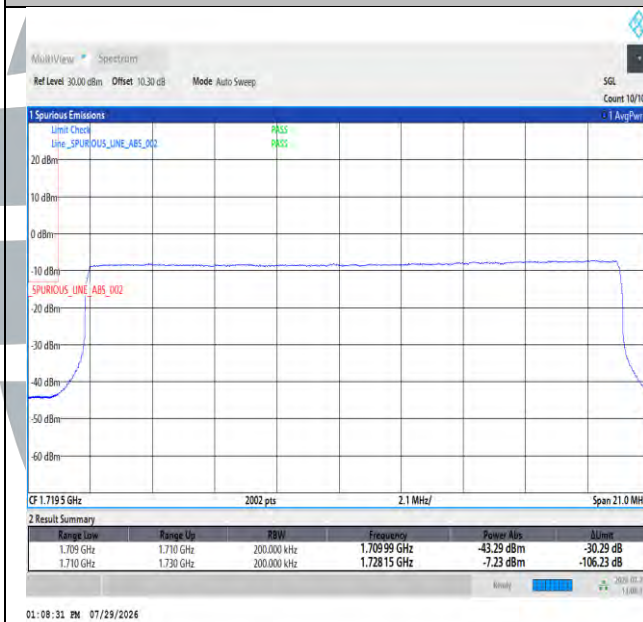
Band4-20MHz-64QAM-20050-1RB#99-PASS



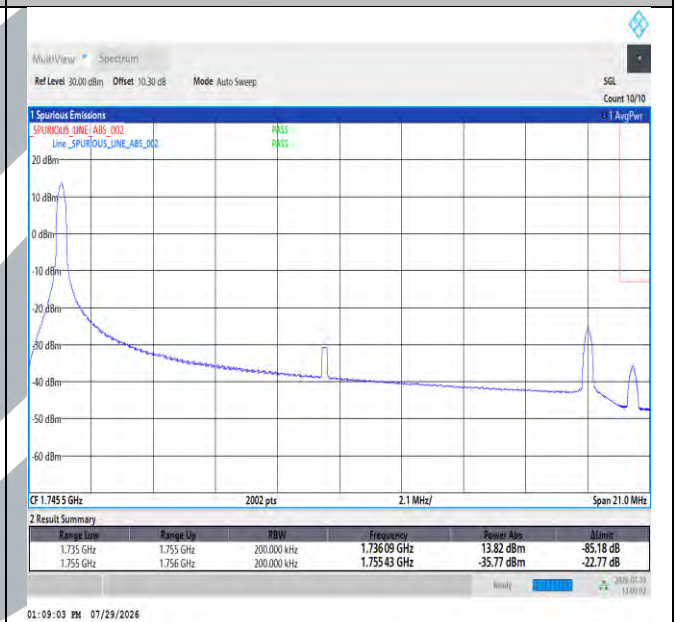
Band4-20MHz-QPSK-20050-100RB#0-PASS



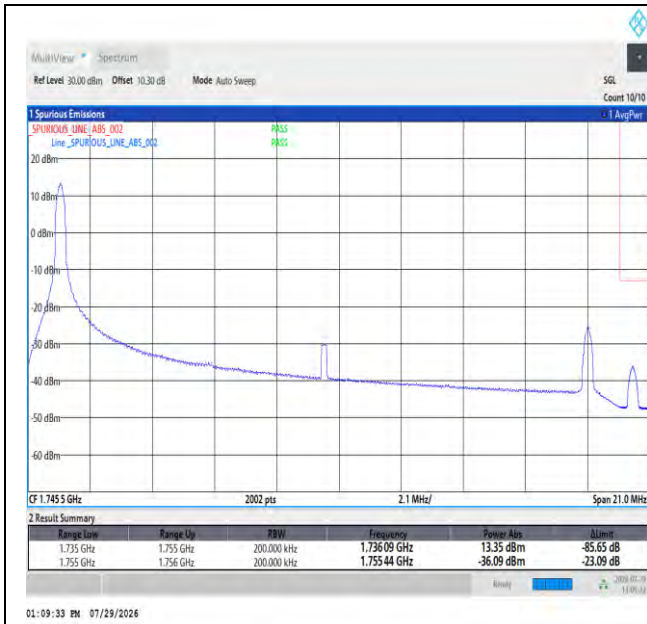
Band4-20MHz-16QAM-20050-100RB#0-PASS



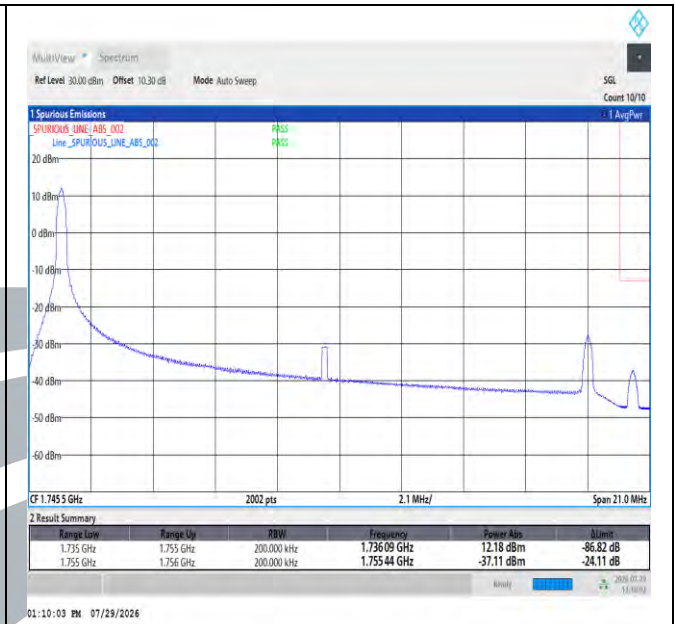
Band4-20MHz-64QAM-20050-100RB#0-PASS



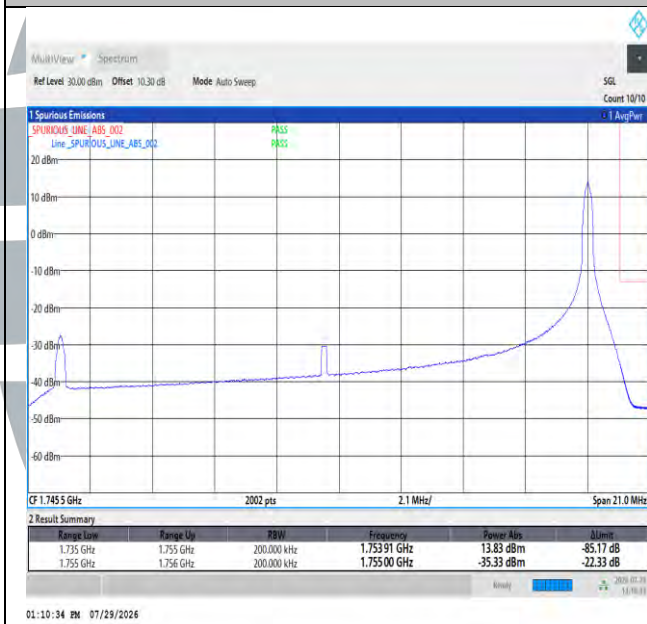
Band4-20MHz-QPSK-20300-1RB#0-PASS



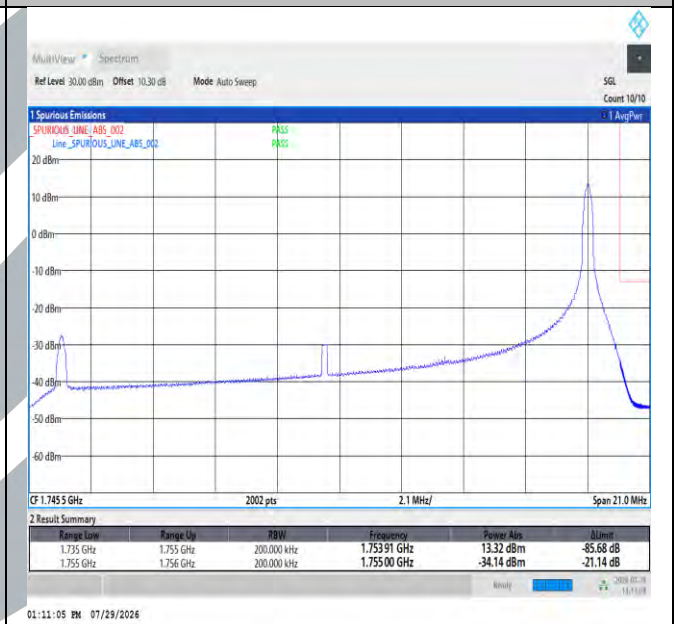
Band4-20MHz-16QAM-20300-1RB#0-PASS



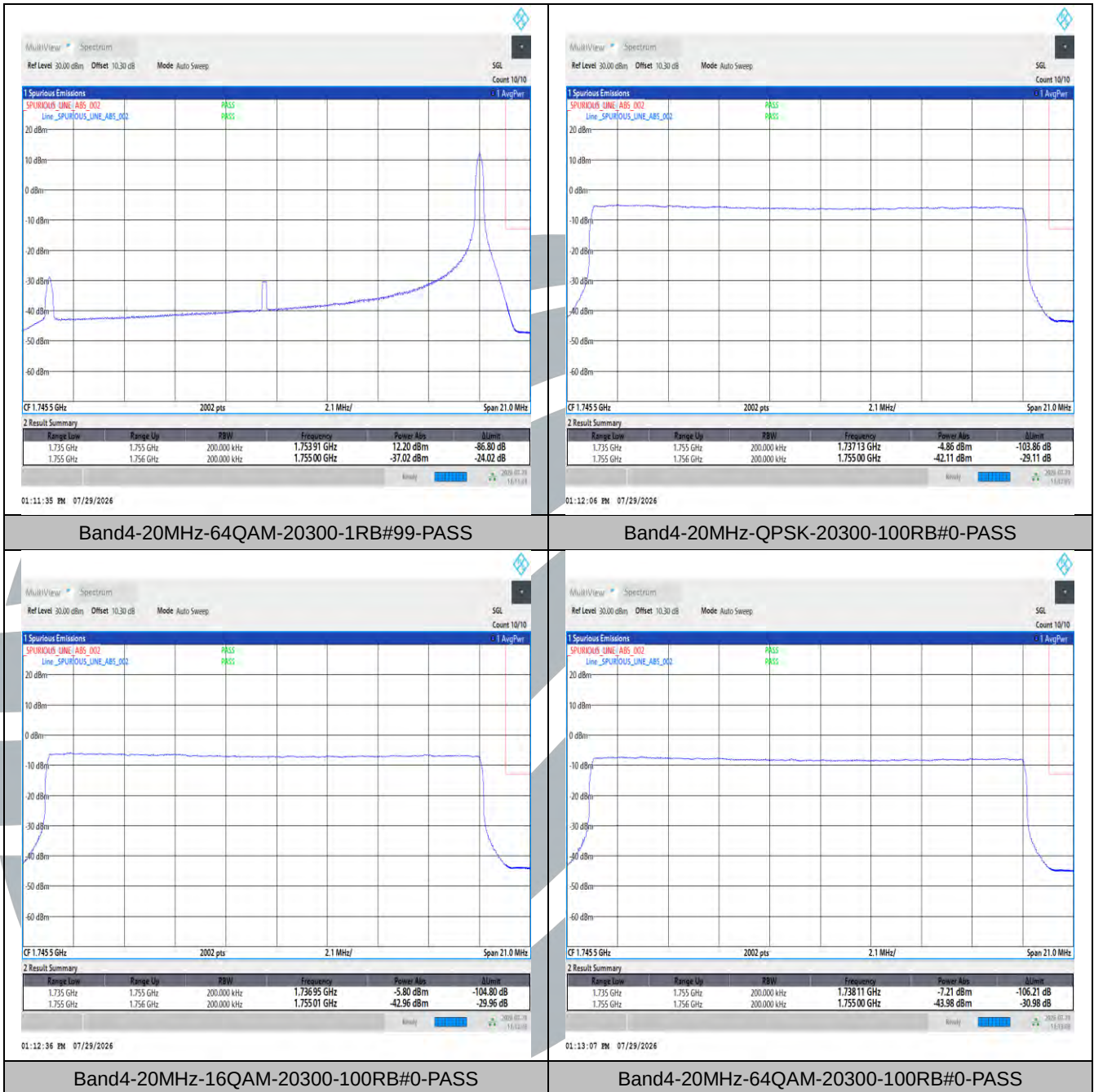
Band4-20MHz-64QAM-20300-1RB#0-PASS



Band4-20MHz-QPSK-20300-1RB#99-PASS



Band4-20MHz-16QAM-20300-1RB#99-PASS

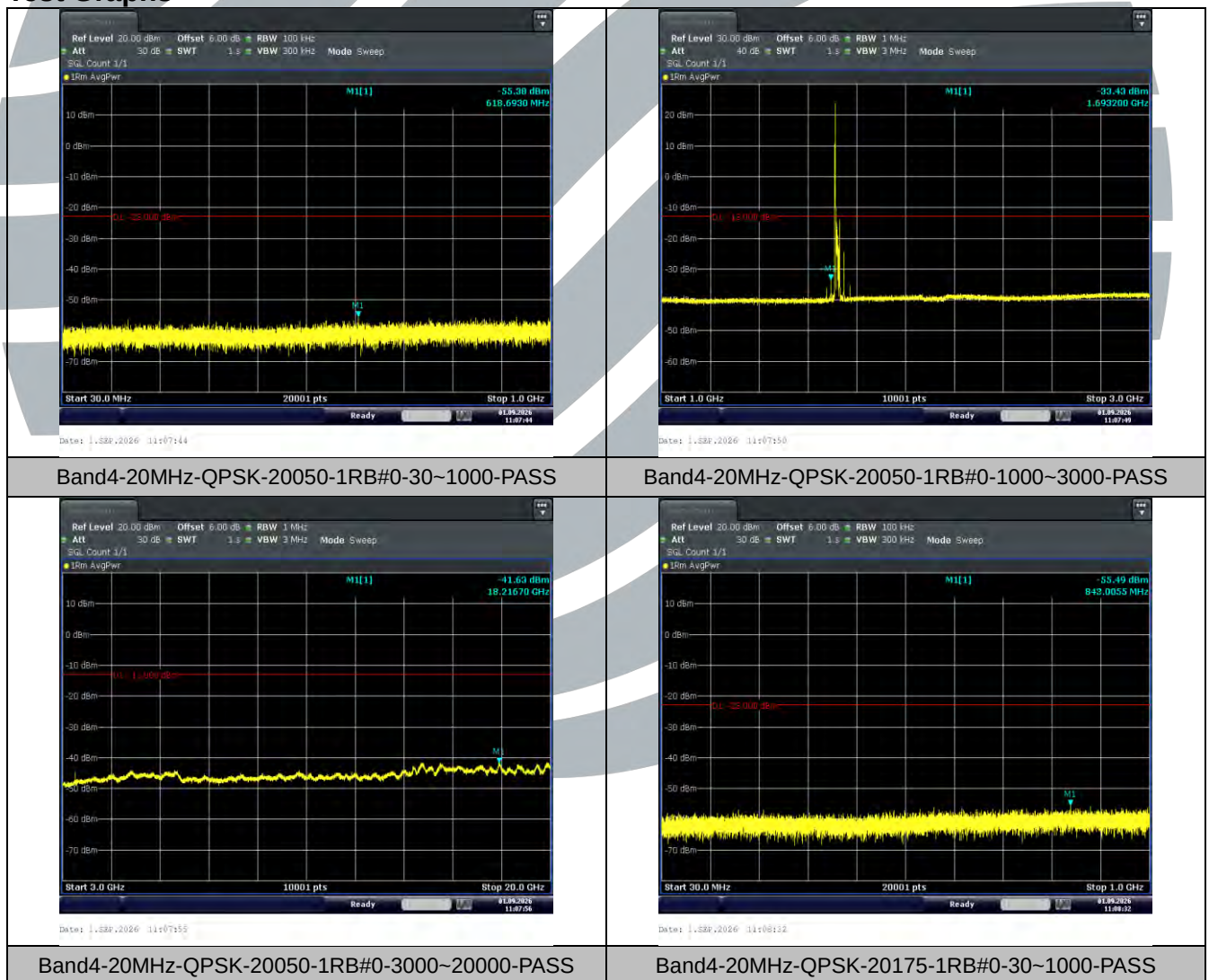


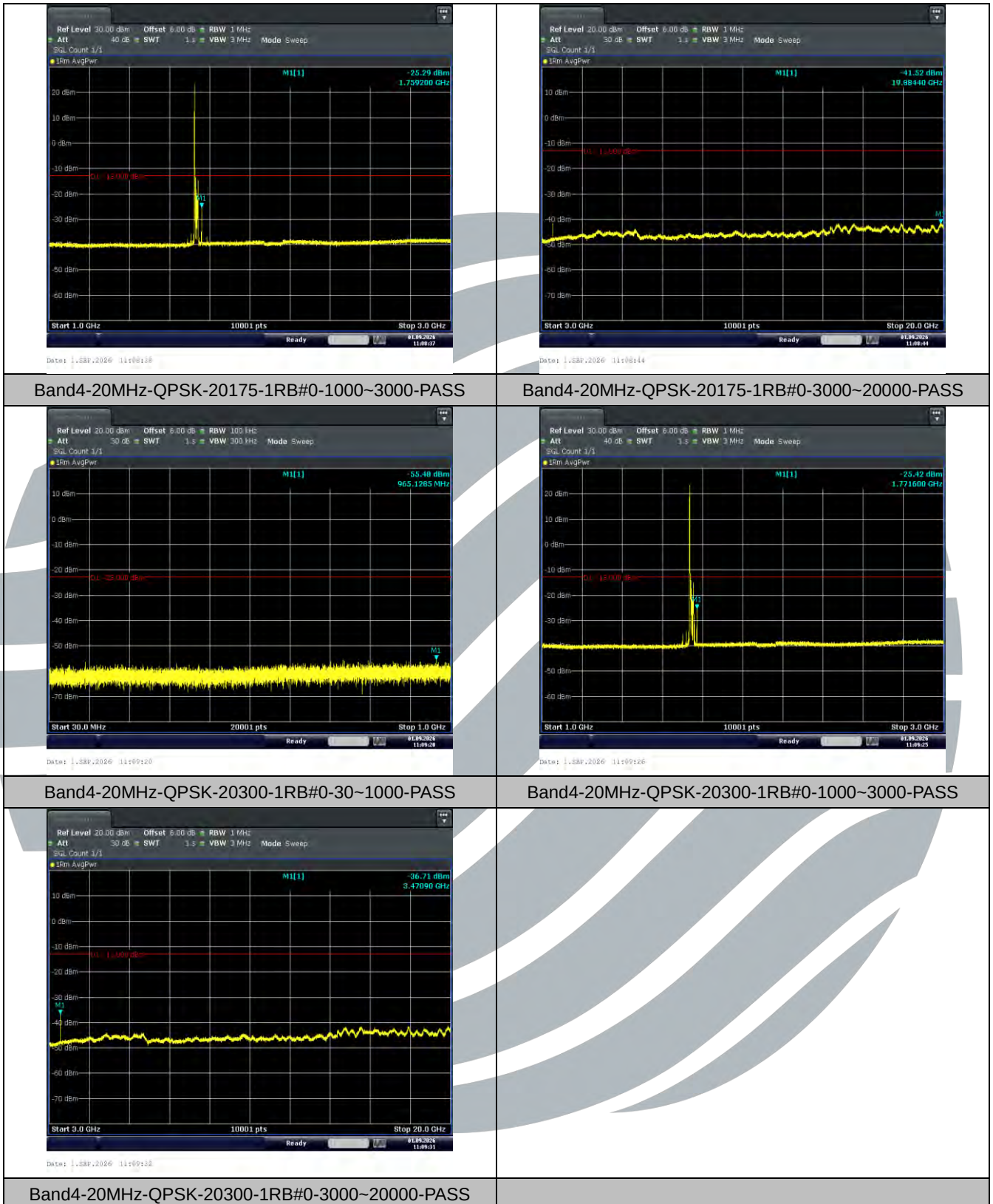
B.4 CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth (MHz)	Modulation	Channel	RB Configuration	Frequency Range (MHz)	Result (dBm)	Verdict
Band4	20MHz	QPSK	20050	1RB#0	30~1000	-55.38	PASS
Band4	20MHz	QPSK	20050	1RB#0	1000~3000	-33.43	PASS
Band4	20MHz	QPSK	20050	1RB#0	3000~20000	-41.63	PASS
Band4	20MHz	QPSK	20175	1RB#0	30~1000	-55.49	PASS
Band4	20MHz	QPSK	20175	1RB#0	1000~3000	-25.29	PASS
Band4	20MHz	QPSK	20175	1RB#0	3000~20000	-41.52	PASS
Band4	20MHz	QPSK	20300	1RB#0	30~1000	-55.48	PASS
Band4	20MHz	QPSK	20300	1RB#0	1000~3000	-25.42	PASS
Band4	20MHz	QPSK	20300	1RB#0	3000~20000	-36.71	PASS

Test Graphs





B.5 FREQUENCY STABILITY

Test Result

Band	Bandwidth (MHz)	Modulation	Channel	RB Configure	Voltage		Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]						
Band4	1.4MHz	QPSK	19957	6RB#0	VN	NT	-18.30	-	0.010697	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VL	NT	-12.80	-	0.007482	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VH	NT	-37.90	-	0.022155	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	-8.70	-	0.005022	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	-7.50	-	0.004329	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	-18.20	-	0.010505	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VN	NT	-23.60	-	0.013453	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VL	NT	-30.50	-	0.017386	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VH	NT	-42.10	-	0.023998	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VN	NT	4.00	-	0.002337	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VL	NT	32.60	-	0.019048	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VH	NT	5.30	-	0.003097	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	-6.90	-	0.003983	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	-25.40	-	0.01466	±2.5	PASS

								1		
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	-36.20	0.020895	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VN	NT	-24.80	0.014143	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VL	NT	-18.40	0.010493	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VH	NT	-14.70	0.008383	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VN	NT	-25.10	0.014657	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VL	NT	-19.10	0.011153	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VH	NT	-9.20	0.005372	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	-39.60	0.022857	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	-18.70	0.010794	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	-2.40	0.001385	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VN	NT	18.10	0.010328	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VL	NT	14.00	0.007989	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VH	NT	-2.60	0.001484	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VN	NT	-1.70	0.000991	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VL	NT	-7.70	-	±2.5	PASS

								0.00449 0		
Band4	10MHz	QPSK	20000	50RB#0	VH	NT	-12.00	- 0.00699 7	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	-8.40	- 0.00484 8	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	-23.40	- 0.01350 6	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	-9.70	- 0.00559 9	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VN	NT	-10.60	- 0.00605 7	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VL	NT	-10.10	- 0.00577 1	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VH	NT	-7.20	- 0.00411 4	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VN	NT	7.70	0.00448 3	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VL	NT	11.50	0.00669 6	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VH	NT	-27.90	- 0.01624 5	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	-2.80	- 0.00161 6	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VL	NT	-37.80	- 0.02181 8	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	0.10	0.00005 8	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VN	NT	10.90	0.00623 7	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VL	NT	10.30	0.00589 4	±2.5	PASS

Band4	15MHz	QPSK	20325	75RB#0	VH	NT	15.80	0.00904 1	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB# 0	VN	NT	8.60	0.00500 0	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB# 0	VL	NT	0.30	0.00017 4	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB# 0	VH	NT	-27.30	- 0.01587 2	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB# 0	VN	NT	-37.60	- 0.02170 3	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB# 0	VL	NT	-25.40	- 0.01466 1	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB# 0	VH	NT	-15.00	- 0.00865 8	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB# 0	VN	NT	13.10	0.00750 7	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB# 0	VL	NT	3.50	0.00200 6	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB# 0	VH	NT	5.60	0.00320 9	±2.5	PASS

Temperature										
Band	Bandwidth (MHz)	Modulation	Channel	RB Configure	Voltage [Vdc]	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-30	-30.70	- 0.01794 6	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-20	-23.30	- 0.01362 0	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-10	5.70	0.00333 2	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	0	-7.30	- 0.00426 7	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	10	-13.70	- 0.00800 8	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	20	-16.00	-	±2.5	PASS

								0.00935 3		
Band4	1.4MHz	QPSK	19957	6RB#0	NV	30	5.20	0.00304 0	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	40	-26.30	- 0.01537 4	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	50	-36.60	- 0.02139 5	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	-20.90	- 0.01206 3	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	-12.40	- 0.00715 7	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-10	-22.90	- 0.01321 8	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	-20.80	- 0.01200 6	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	2.20	0.00127 0	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	-12.50	- 0.00721 5	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	30	9.60	0.00554 1	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	40	14.10	0.00813 9	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	50	-4.60	- 0.00265 5	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-30	-45.10	- 0.02570 8	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-20	-10.10	- 0.00575 7	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-10	-2.80	- 0.00159	±2.5	PASS

								6		
Band4	1.4MHz	QPSK	20393	6RB#0	NV	0	0.20	0.00011 4	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	10	-30.20	- 0.01721 5	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	20	6.80	0.00387 6	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	30	-6.40	- 0.00364 8	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	40	-35.20	- 0.02006 5	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	50	-22.60	- 0.01288 3	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-30	-29.90	- 0.01747 0	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-20	-23.90	- 0.01396 4	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-10	-32.20	- 0.01881 4	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	0	-12.90	- 0.00753 7	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	10	-17.00	- 0.00993 3	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	20	-38.00	- 0.02220 3	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	30	-23.00	- 0.01343 9	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	40	-37.00	- 0.02161 8	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	50	-16.60	-	±2.5	PASS

								0.00969 9		
Band4	3MHz	QPSK	20175	15RB#0	NV	-30	-11.20	- 0.00646 5	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-20	-15.90	- 0.00917 7	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-10	-21.50	- 0.01241 0	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	0	-28.50	- 0.01645 0	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	10	-38.40	- 0.02216 5	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	20	-2.50	- 0.00144 3	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	30	-7.10	- 0.00409 8	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	40	-21.50	- 0.01241 0	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	50	-9.80	- 0.00565 7	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-30	7.00	0.00399 2	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-20	-4.00	- 0.00228 1	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-10	-5.60	- 0.00319 4	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	0	-11.60	- 0.00661 5	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	10	-7.20	- 0.00410	±2.5	PASS

								6		
Band4	3MHz	QPSK	20385	15RB#0	NV	20	-5.40	0.00308 0	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	30	-0.10	- 0.00005 7	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	40	9.80	0.00558 9	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	50	4.50	0.00256 6	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-30	-18.60	- 0.01086 1	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-20	-21.40	- 0.01249 6	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-10	-15.10	- 0.00881 8	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	0	-21.60	- 0.01261 3	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	10	-33.90	- 0.01979 6	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	20	-40.40	- 0.02359 1	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	30	-28.50	- 0.01664 2	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	40	-14.50	- 0.00846 7	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	50	-41.40	- 0.02417 5	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-30	-11.10	- 0.00640 7	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-20	-35.50	-	±2.5	PASS

								0.02049 1		
Band4	5MHz	QPSK	20175	25RB#0	NV	-10	-1.90	- 0.00109 7	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	-2.40	- 0.00138 5	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	-1.90	- 0.00109 7	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	-19.50	- 0.01125 5	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	30	-12.80	- 0.00738 8	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	40	-39.50	- 0.02279 9	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	50	-34.10	- 0.01968 3	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-30	-2.10	- 0.00119 8	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-20	-9.60	- 0.00547 8	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-10	-9.20	- 0.00525 0	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	0	-19.70	- 0.01124 1	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	10	-16.80	- 0.00958 6	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	20	-32.20	- 0.01837 4	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	30	-14.60	-	±2.5	PASS

								0.00833 1		
Band4	5MHz	QPSK	20375	25RB#0	NV	40	-23.30	- 0.01329 5	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	50	-12.10	- 0.00690 4	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-30	-17.20	- 0.01002 9	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-20	-28.90	- 0.01685 1	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-10	-26.50	- 0.01545 2	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	0	-32.60	- 0.01900 9	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	10	-11.20	- 0.00653 1	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	20	-42.70	- 0.02489 8	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	30	-15.10	- 0.00880 5	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	40	-16.00	- 0.00932 9	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	50	-4.20	- 0.00244 9	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	-17.70	- 0.01021 6	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	-8.10	- 0.00467 5	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-10	-25.30	-	±2.5	PASS

								0.01460 3		
Band4	10MHz	QPSK	20175	50RB#0	NV	0	-11.90	- 0.00686 9	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	-34.90	- 0.02014 4	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	-25.80	- 0.01489 2	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	30	-35.70	- 0.02060 6	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	40	-18.30	- 0.01056 3	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	50	-0.30	- 0.00017 3	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-30	-7.10	- 0.00405 7	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-20	-5.80	- 0.00331 4	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-10	-0.30	- 0.00017 1	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	0	-7.30	- 0.00417 1	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	10	5.40	- 0.00308 6	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	20	-10.50	- 0.00600 0	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	30	-20.80	- 0.01188 6	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	40	-23.50	- 0.01342	±2.5	PASS

								9		
Band4	10MHz	QPSK	20350	50RB#0	NV	50	-5.70	- 0.00325 7	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-30	-34.20	- 0.01991 3	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-20	-16.70	- 0.00972 3	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-10	-32.20	- 0.01874 8	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	0	-21.10	- 0.01228 5	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	10	-4.50	- 0.00262 0	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	20	-25.00	- 0.01455 6	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	30	-37.10	- 0.02160 1	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	40	-30.40	- 0.01770 0	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	50	-27.80	- 0.01618 6	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-30	-24.70	- 0.01425 7	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-20	-12.50	- 0.00721 5	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-10	-35.10	- 0.02026 0	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	0	-35.30	- 0.02037	±2.5	PASS

								5		
Band4	15MHz	QPSK	20175	75RB#0	NV	10	-10.90	0.00629 1	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	-36.60	- 0.02112 6	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	30	-31.10	- 0.01795 1	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	40	-11.70	- 0.00675 3	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	50	-0.20	- 0.00011 5	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-30	-22.30	- 0.01276 1	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-20	-14.70	- 0.00841 2	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-10	-20.50	- 0.01173 1	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	0	-35.00	- 0.02002 9	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	10	-38.90	- 0.02226 0	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	20	-22.60	- 0.01293 3	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	30	-26.90	- 0.01539 3	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	40	-35.90	- 0.02054 4	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	50	4.10	0.00234 6	±2.5	PASS

Band4	20MHz	QPSK	20050	100RB# 0	NV	-30	1.70	0.00098 8	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB# 0	NV	-20	4.30	0.00250 0	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB# 0	NV	-10	-37.70	- 0.02191 9	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB# 0	NV	0	-19.10	- 0.01110 5	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB# 0	NV	10	-41.90	- 0.02436 0	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB# 0	NV	20	-37.30	- 0.02168 6	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB# 0	NV	30	-41.20	- 0.02395 3	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB# 0	NV	40	-41.90	- 0.02436 0	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB# 0	NV	50	-26.60	- 0.01546 5	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB# 0	NV	-30	-35.30	- 0.02037 5	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB# 0	NV	-20	-24.10	- 0.01391 1	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB# 0	NV	-10	-24.30	- 0.01402 6	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB# 0	NV	0	-15.10	- 0.00871 6	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB# 0	NV	10	-38.30	- 0.02210 7	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB# 0	NV	20	-27.30	- 0.01575	±2.5	PASS

								8		
Band4	20MHz	QPSK	20175	100RB# 0	NV	30	-16.90	- 0.00975 5	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB# 0	NV	40	-36.30	- 0.02095 2	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB# 0	NV	50	6.90	0.00398 3	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB# 0	NV	-30	5.50	0.00315 2	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB# 0	NV	-20	2.50	0.00143 3	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB# 0	NV	-10	4.50	0.00257 9	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB# 0	NV	0	7.40	0.00424 1	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB# 0	NV	10	-3.60	- 0.00206 3	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB# 0	NV	20	-14.40	- 0.00825 2	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB# 0	NV	30	-7.20	- 0.00412 6	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB# 0	NV	40	-31.30	- 0.01793 7	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB# 0	NV	50	-4.90	- 0.00280 8	±2.5	PASS

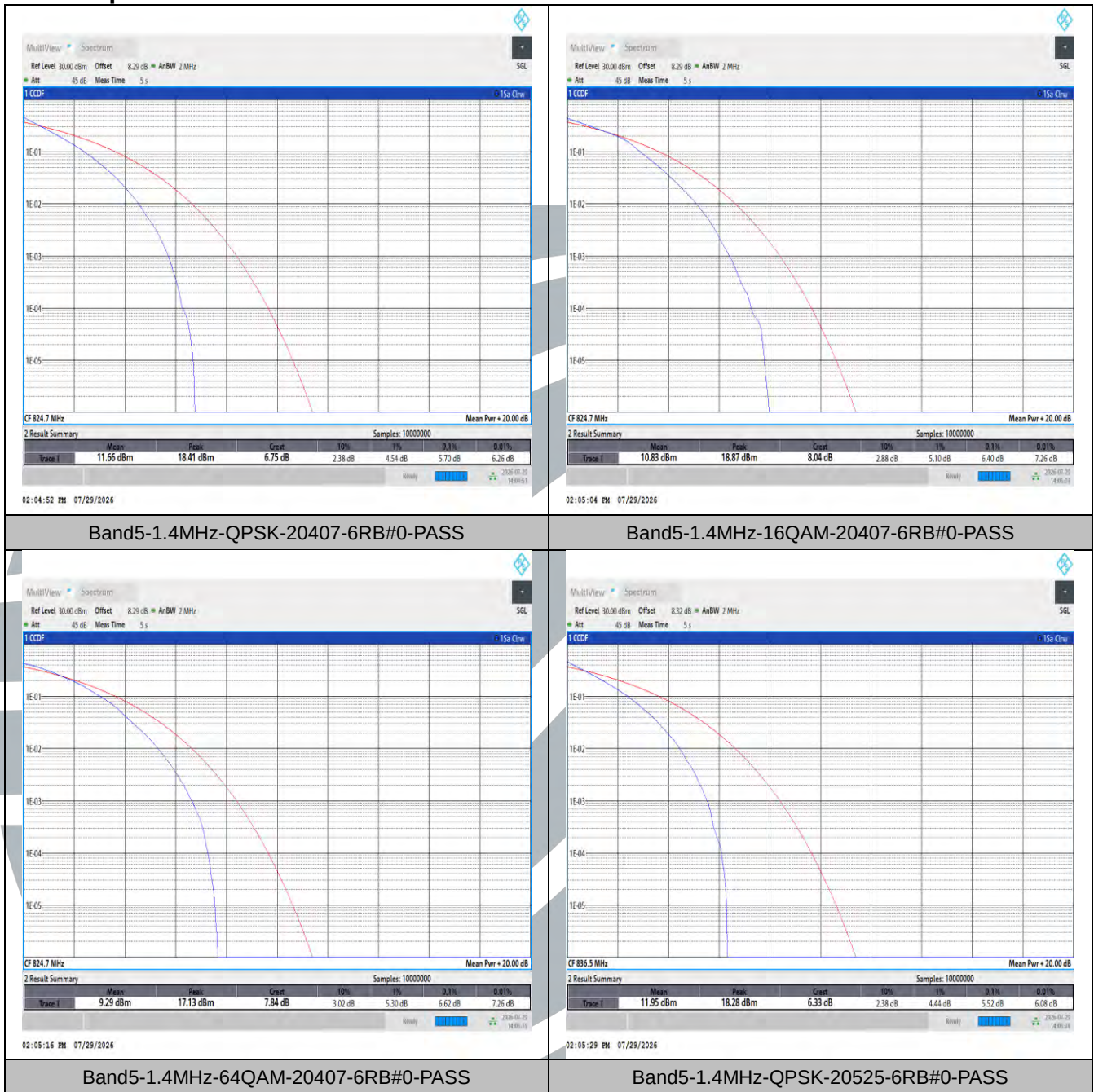
APPENDIX C LTE BAND5 RF TEST DATA

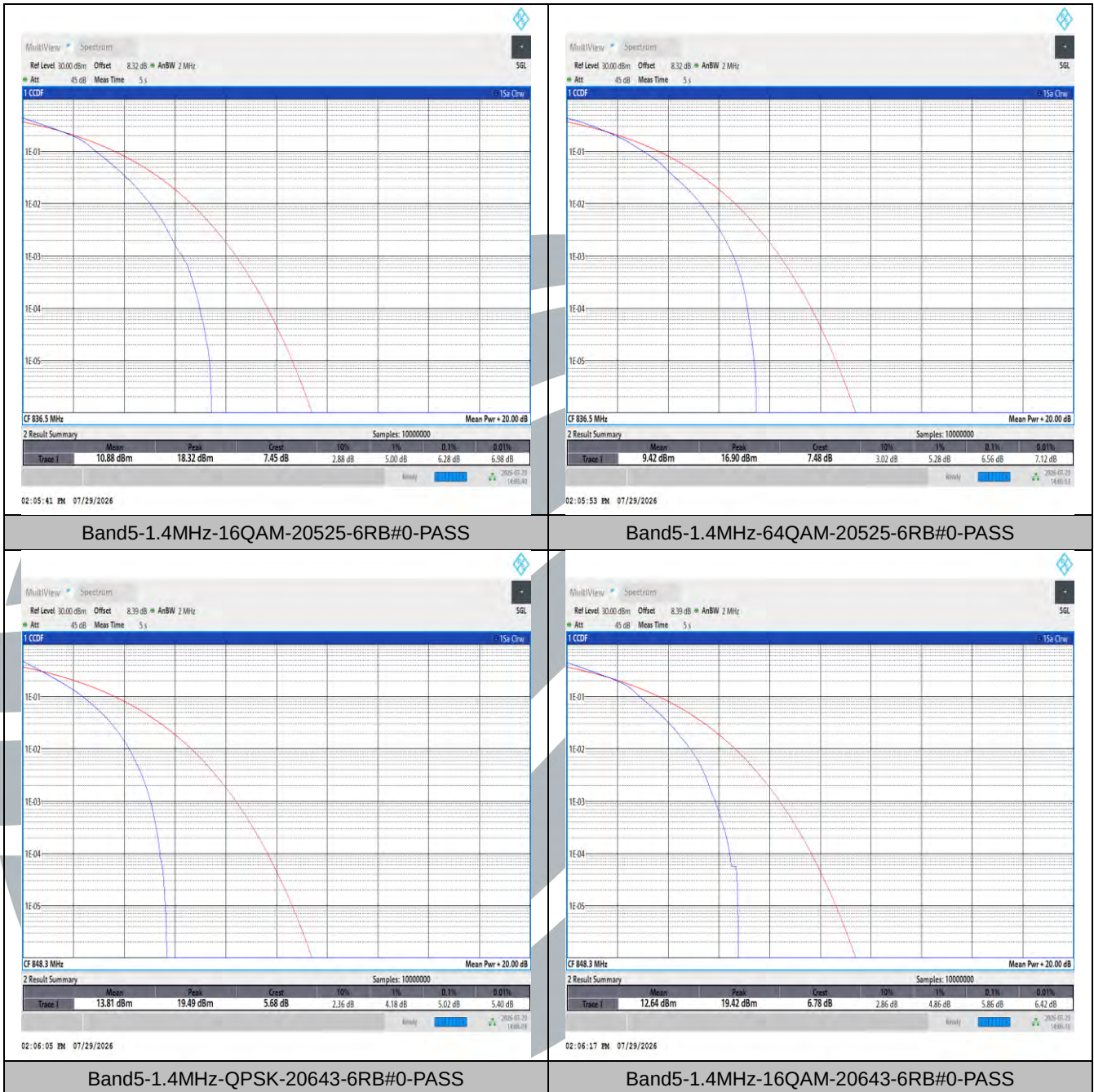
C.1 PEAK-TO-AVERAGE RATIO(CCDF)

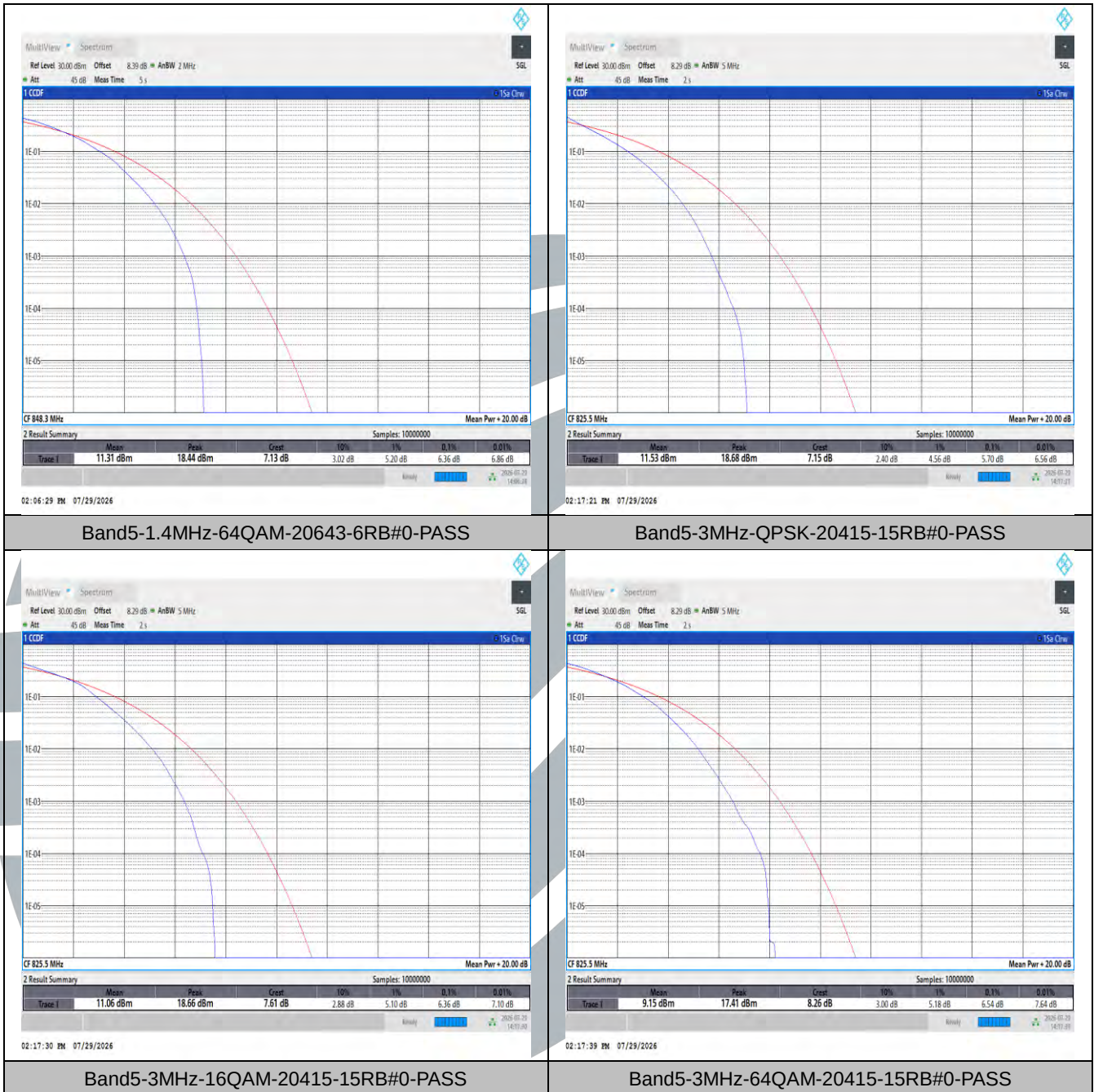
Test Result

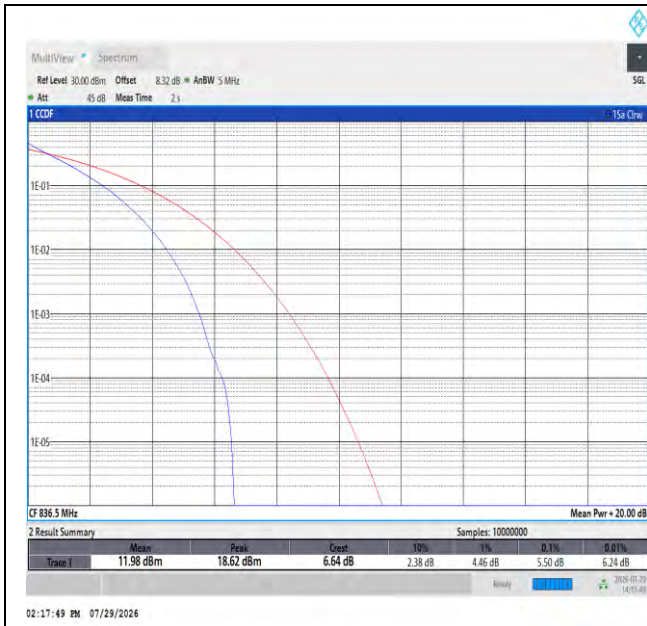
Band	Bandwidth (MHz)	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.70	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.40	13	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	6.62	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.52	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.28	13	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	6.56	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.02	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.86	13	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	6.36	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.70	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.36	13	PASS
Band5	3MHz	64QAM	20415	15RB#0	6.54	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.50	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.22	13	PASS
Band5	3MHz	64QAM	20525	15RB#0	6.46	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.06	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.64	13	PASS
Band5	3MHz	64QAM	20635	15RB#0	6.28	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.66	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.18	13	PASS
Band5	5MHz	64QAM	20425	25RB#0	6.52	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.48	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.14	13	PASS
Band5	5MHz	64QAM	20525	25RB#0	6.46	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.26	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.66	13	PASS
Band5	5MHz	64QAM	20625	25RB#0	6.30	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.74	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.26	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.56	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.56	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.20	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.46	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.40	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.02	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.40	13	PASS

Test Graphs

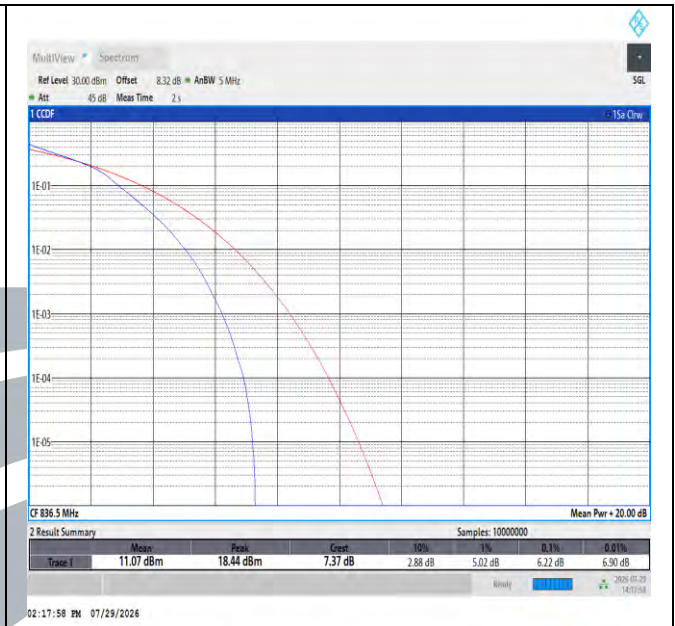




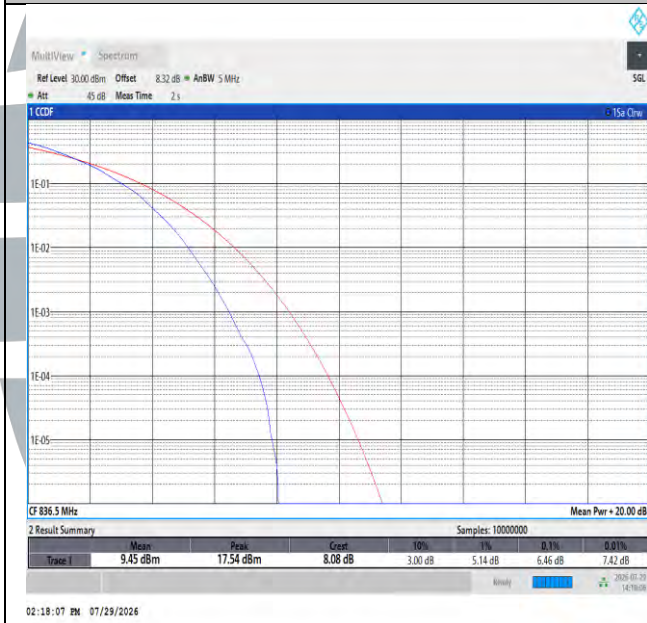




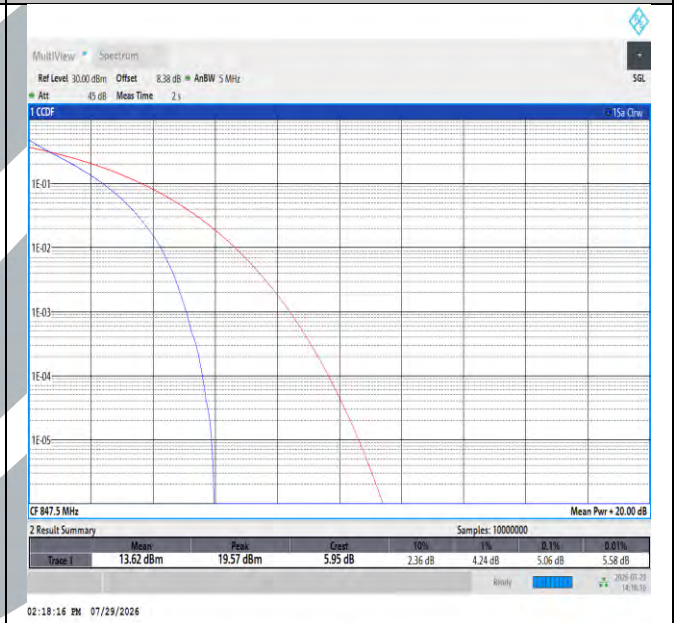
Band5-3MHz-QPSK-20525-15RB#0-PASS



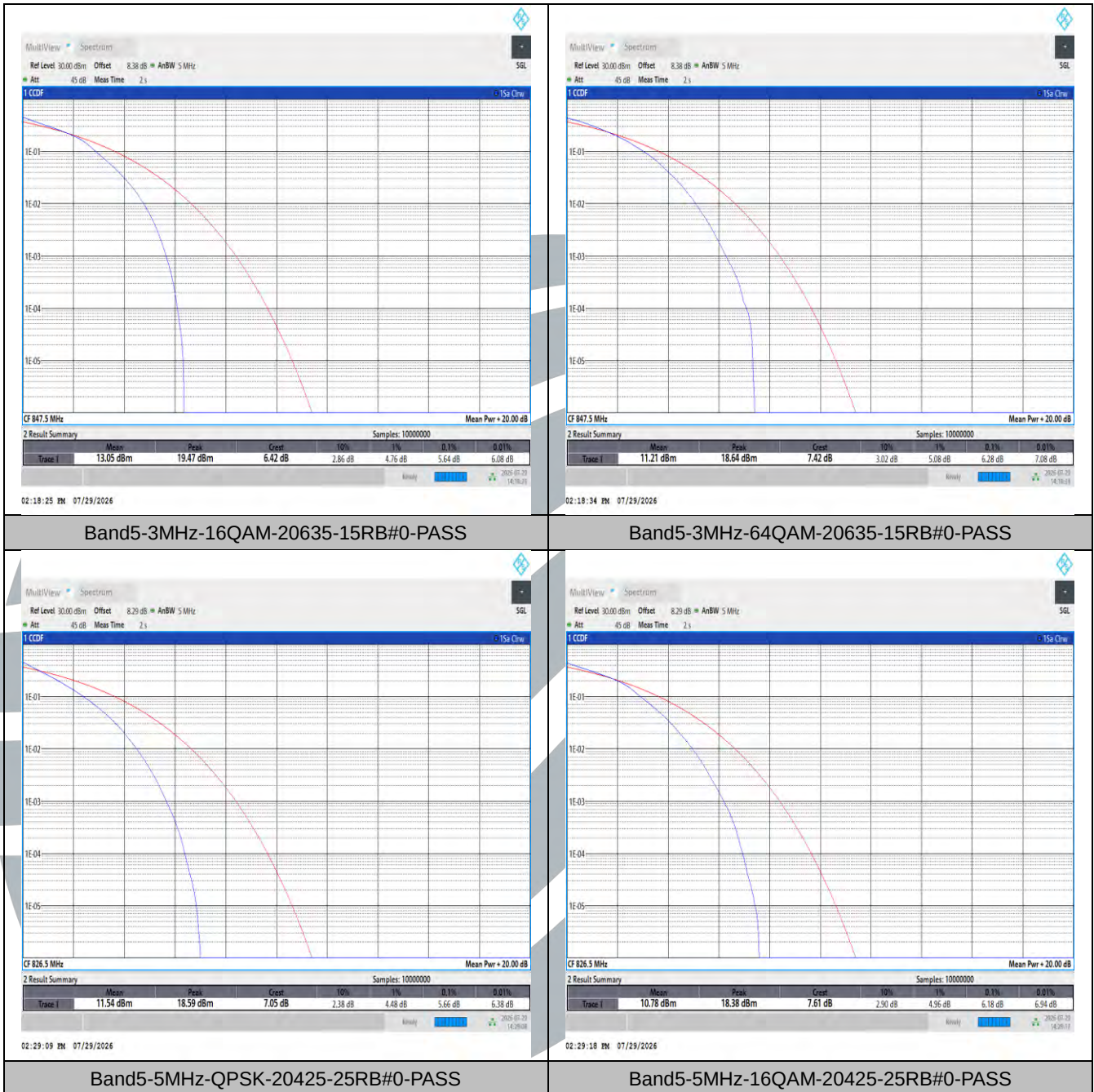
Band5-3MHz-16QAM-20525-15RB#0-PASS

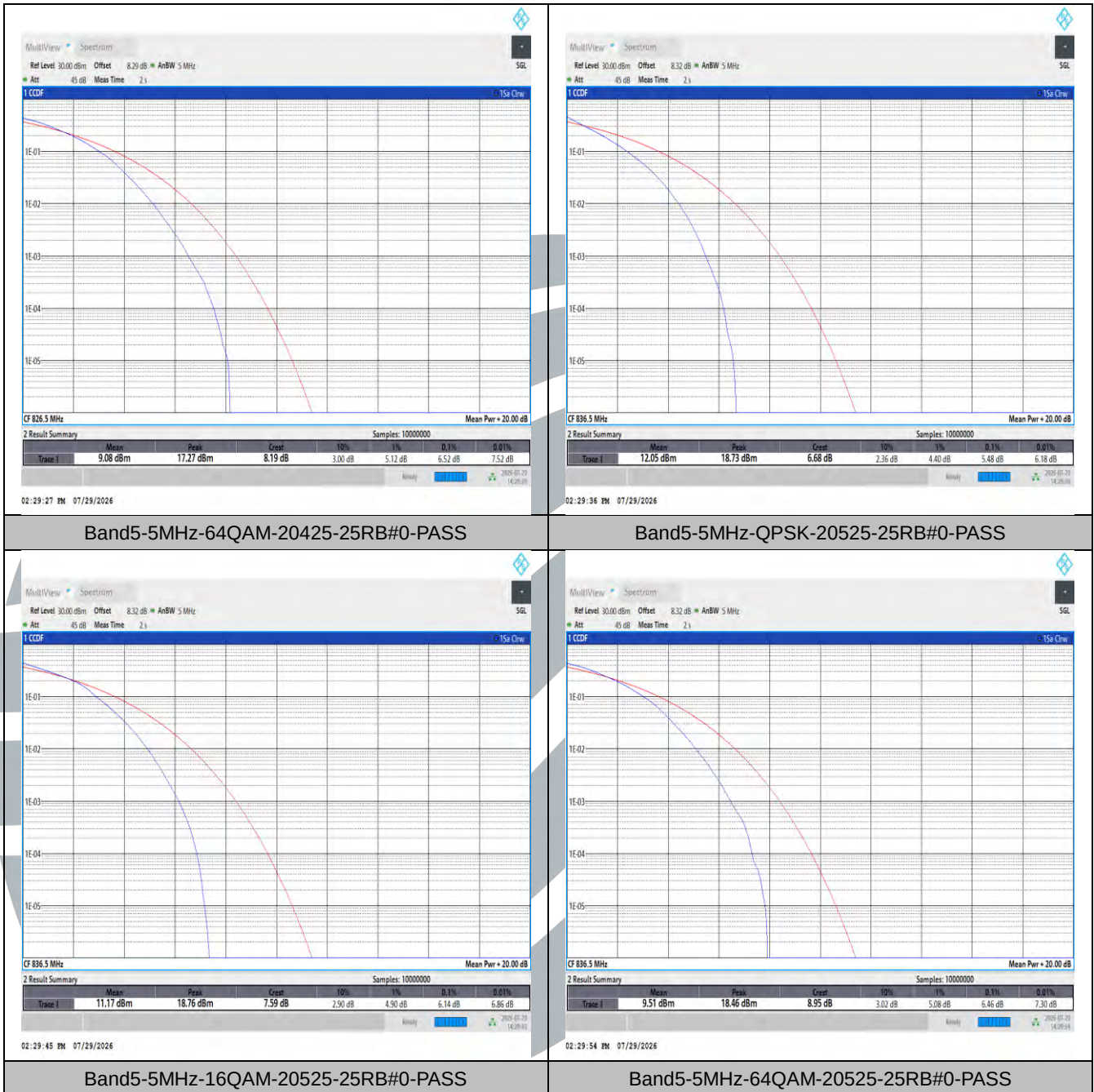


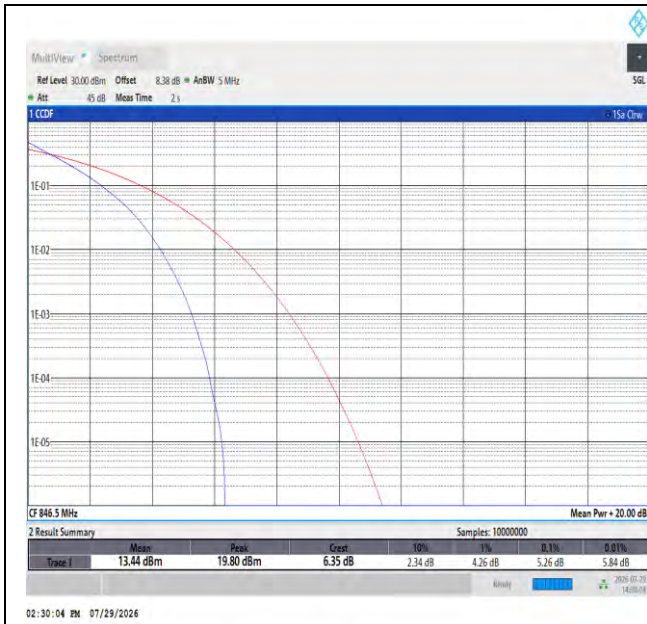
Band5-3MHz-64QAM-20525-15RB#0-PASS



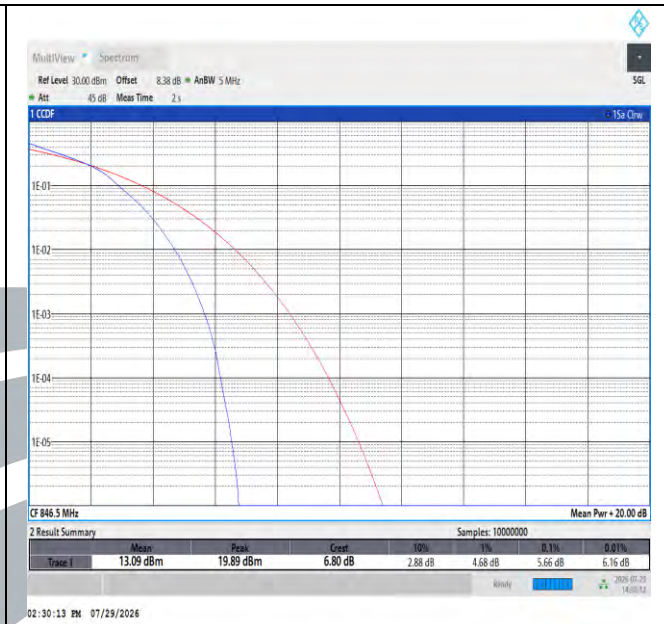
Band5-3MHz-QPSK-20635-15RB#0-PASS



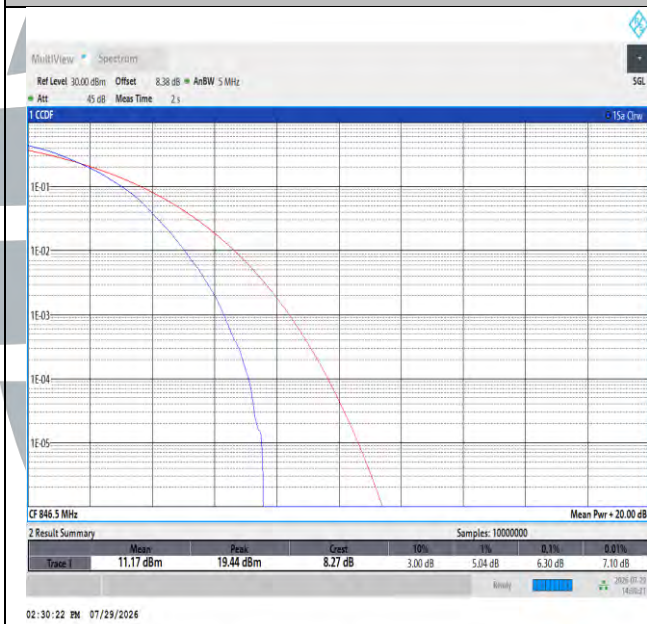




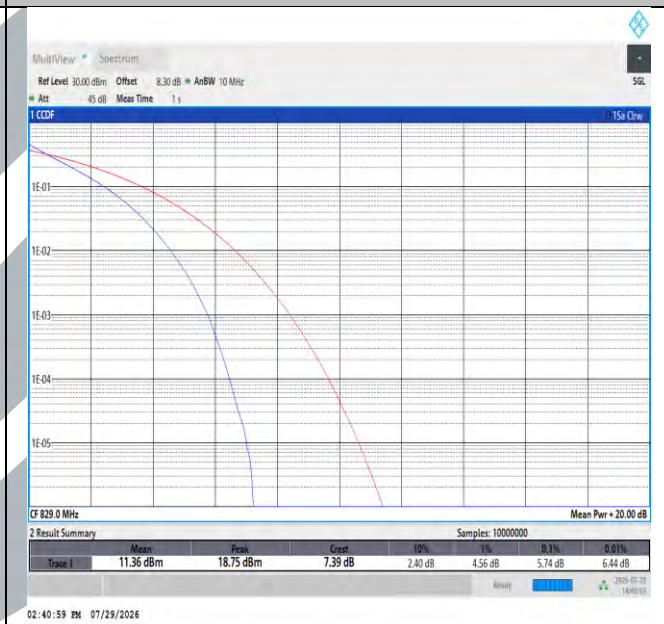
Band5-5MHz-QPSK-20625-25RB#0-PASS



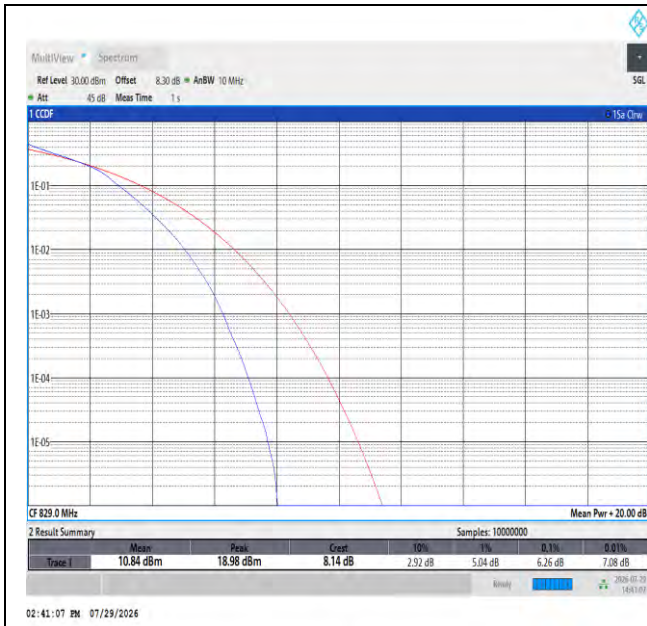
Band5-5MHz-16QAM-20625-25RB#0-PASS



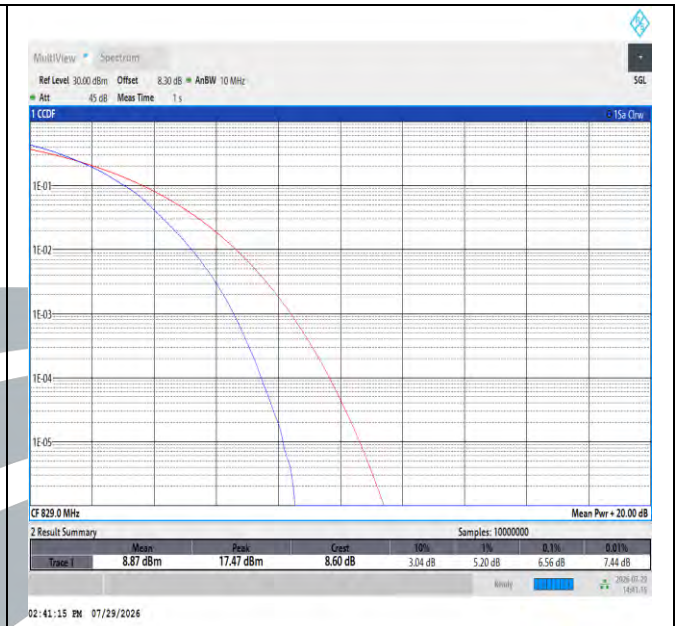
Band5-5MHz-64QAM-20625-25RB#0-PASS



Band5-10MHz-QPSK-20450-50RB#0-PASS



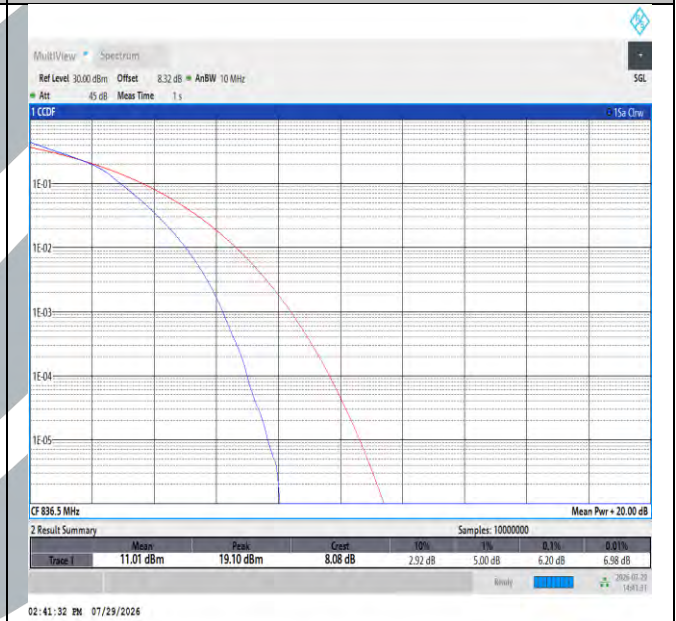
Band5-10MHz-16QAM-20450-50RB#0-PASS



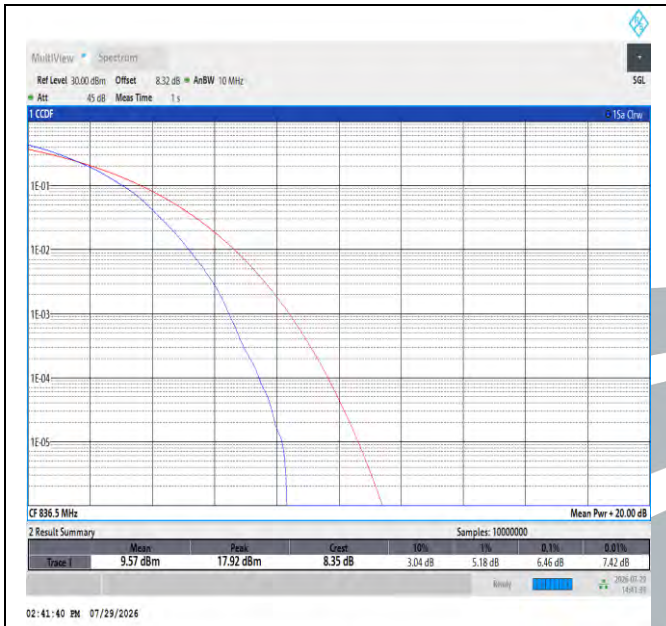
Band5-10MHz-64QAM-20450-50RB#0-PASS



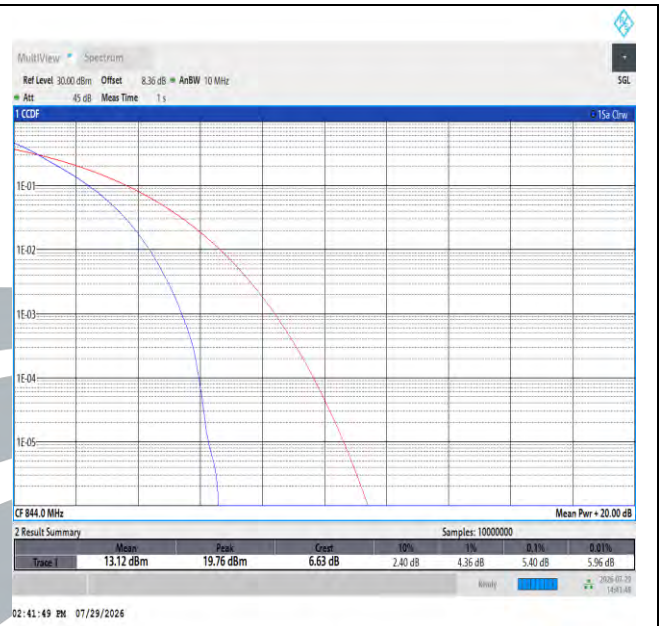
Band5-10MHz-QPSK-20525-50RB#0-PASS



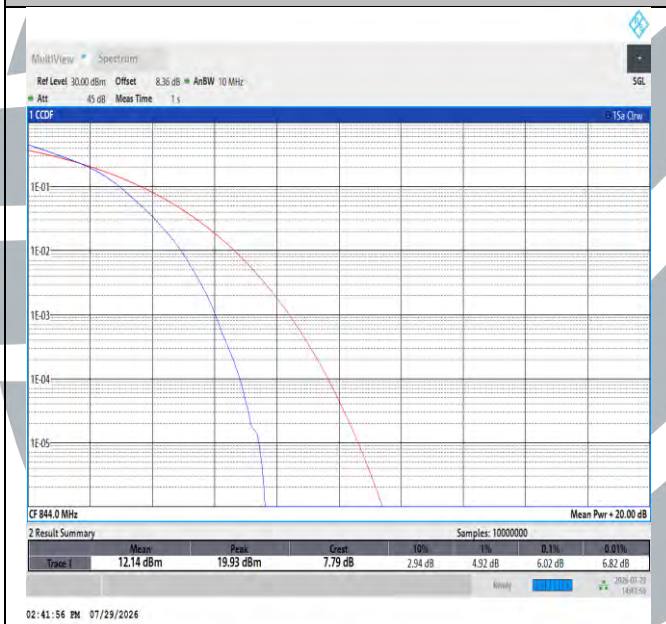
Band5-10MHz-16QAM-20525-50RB#0-PASS



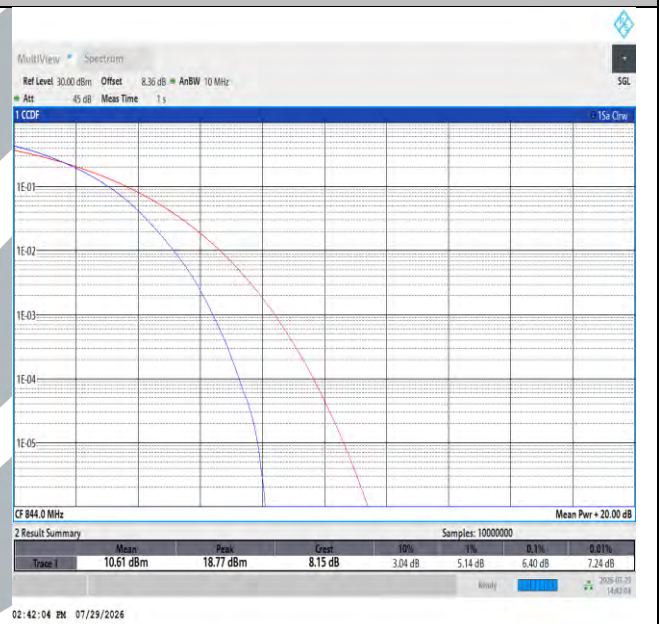
Band5-10MHz-64QAM-20525-50RB#0-PASS



Band5-10MHz-QPSK-20600-50RB#0-PASS



Band5-10MHz-16QAM-20600-50RB#0-PASS



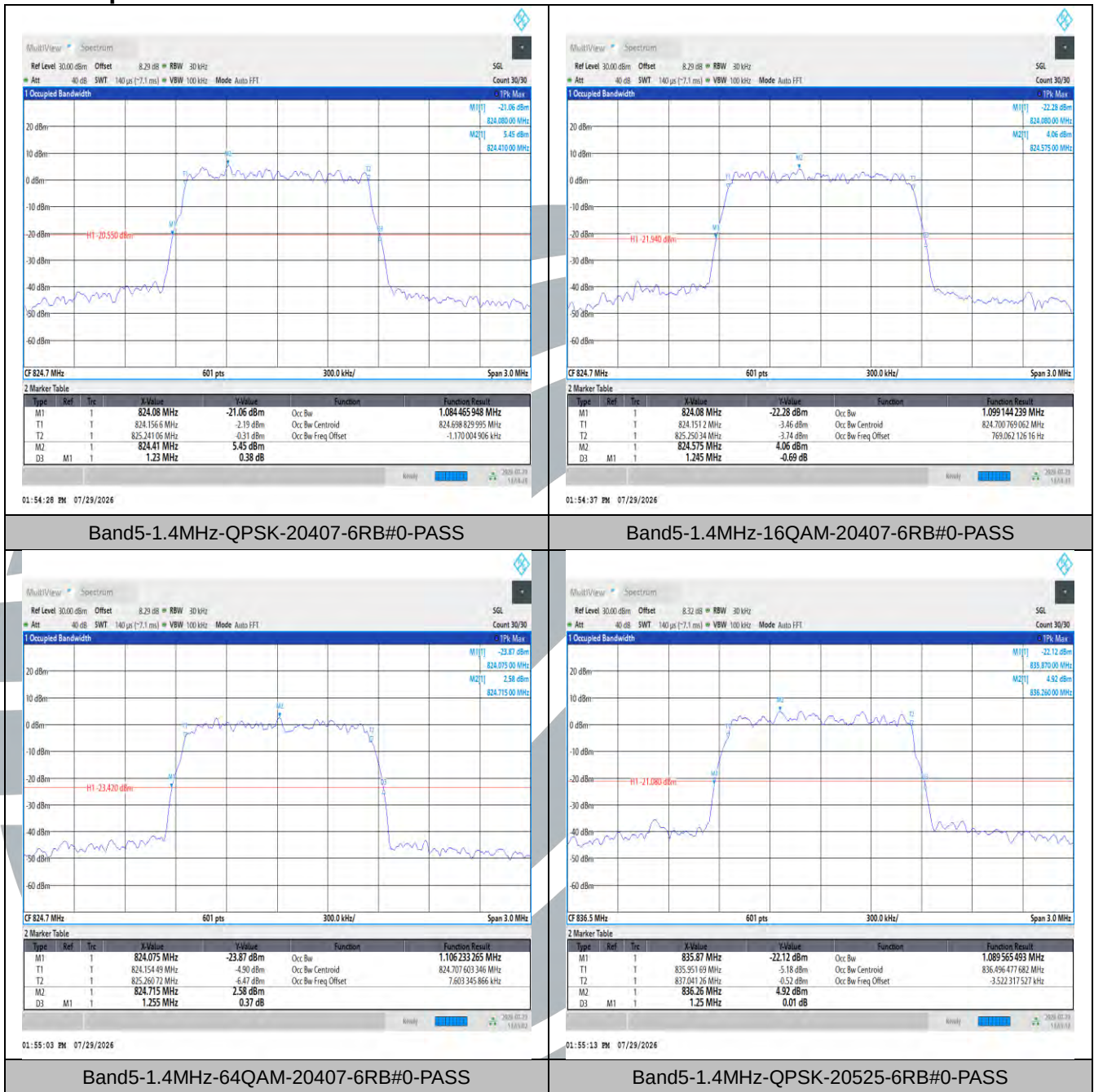
Band5-10MHz-64QAM-20600-50RB#0-PASS

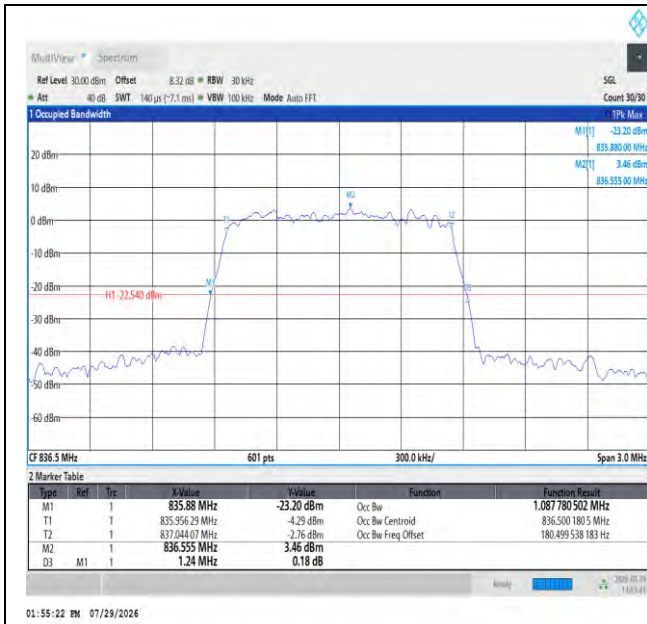
C.2 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth (MHz)	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.084	1.23	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.099	1.25	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.106	1.26	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.09	1.25	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.088	1.24	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.09	1.25	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.09	1.25	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.107	1.26	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.093	1.24	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.697	2.98	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.696	3.01	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.698	3.01	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.703	3.05	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.687	2.98	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.697	2.99	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.686	3.03	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.706	2.97	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.694	2.98	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.485	4.93	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.502	4.96	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.493	4.92	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.487	4.90	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.492	4.95	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.484	4.92	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.457	4.90	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.469	4.95	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.478	4.96	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.995	9.83	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.95	9.80	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.999	9.90	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.993	9.60	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.975	9.73	PASS
Band5	10MHz	64QAM	20525	50RB#0	9.012	9.90	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.946	10.00	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.975	9.73	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.976	9.73	PASS

Test Graphs

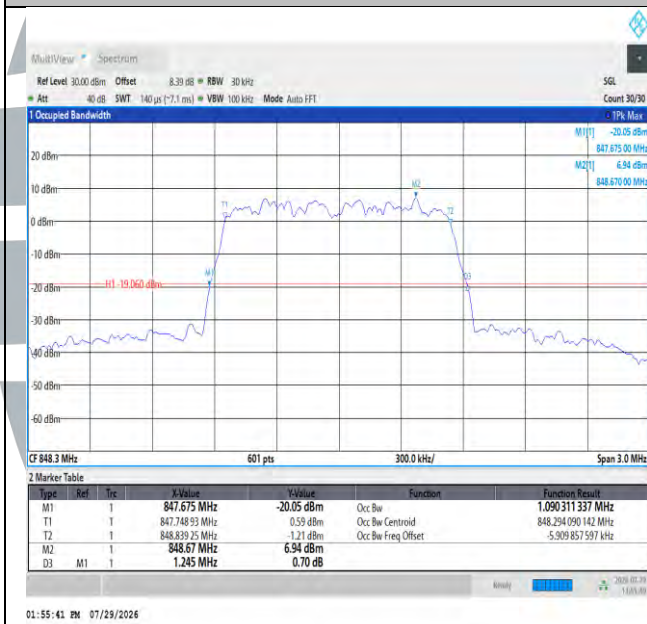




Band5-1.4MHz-16QAM-20525-6RB#0-PASS



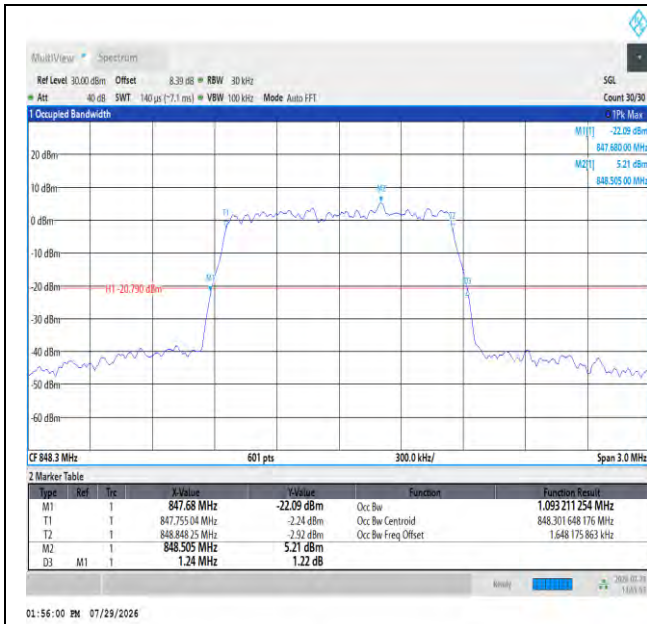
Band5-1.4MHz-64QAM-20525-6RB#0-PASS



Band5-1.4MHz-QPSK-20643-6RB#0-PASS



Band5-1.4MHz-16QAM-20643-6RB#0-PASS



Band5-1.4MHz-64QAM-20643-6RB#0-PASS



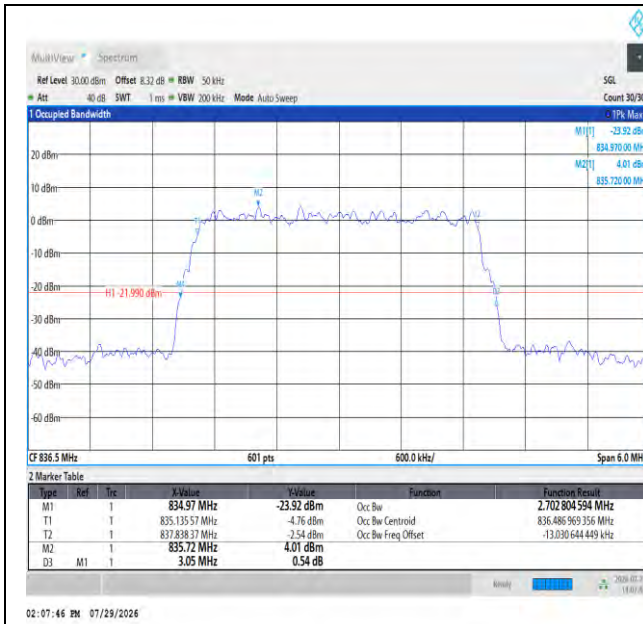
Band5-3MHz-QPSK-20415-15RB#0-PASS



Band5-3MHz-16QAM-20415-15RB#0-PASS



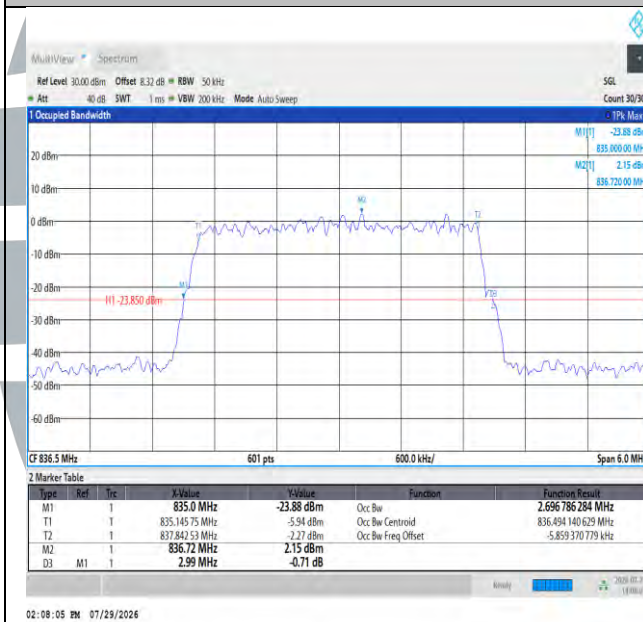
Band5-3MHz-64QAM-20415-15RB#0-PASS



Band5-3MHz-QPSK-20525-15RB#0-PASS



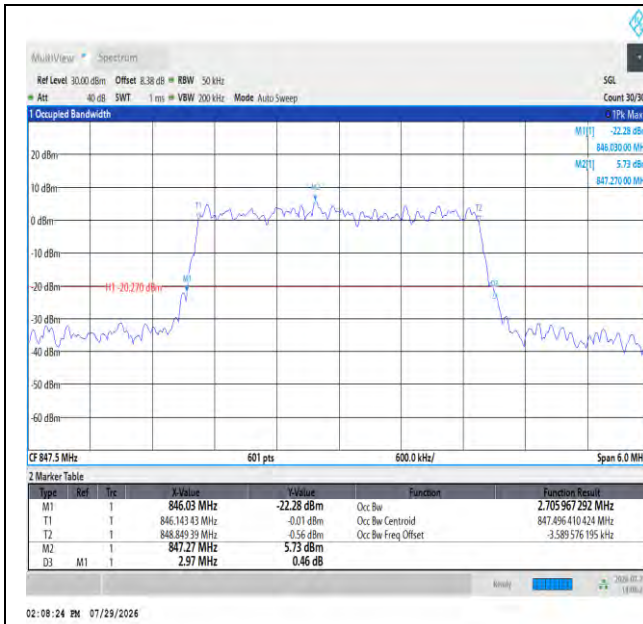
Band5-3MHz-16QAM-20525-15RB#0-PASS



Band5-3MHz-64QAM-20525-15RB#0-PASS



Band5-3MHz-QPSK-20635-15RB#0-PASS



Band5-3MHz-16QAM-20635-15RB#0-PASS



Band5-3MHz-64QAM-20635-15RB#0-PASS



Band5-5MHz-QPSK-20425-25RB#0-PASS



Band5-5MHz-16QAM-20425-25RB#0-PASS