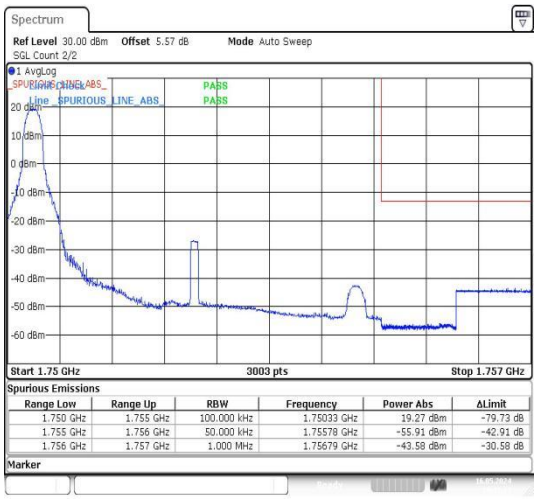

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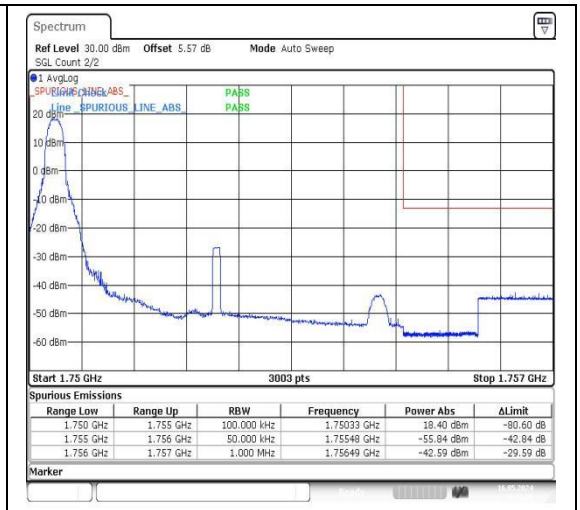
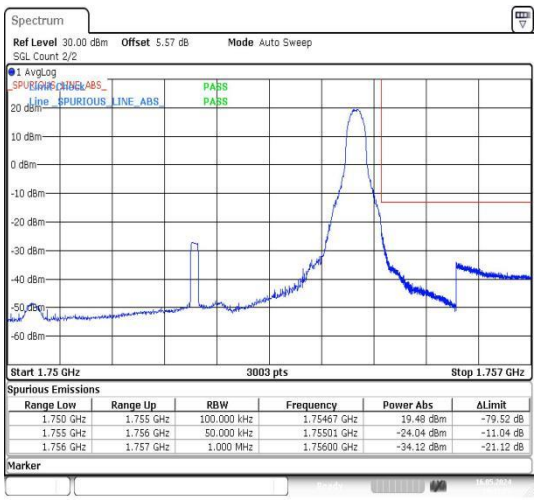


Band4_5MHz_16QAM_20375_1RB#0



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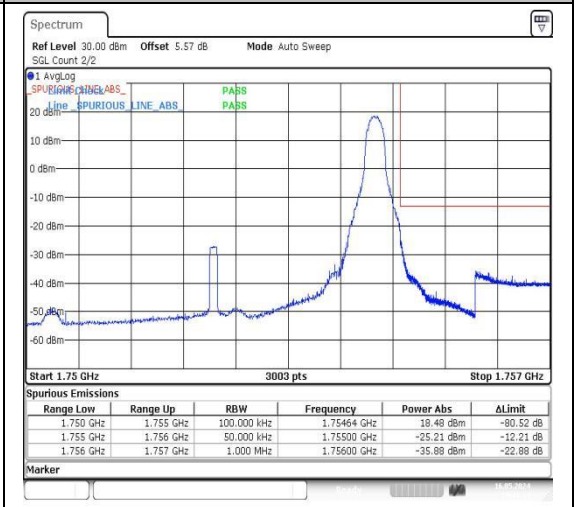

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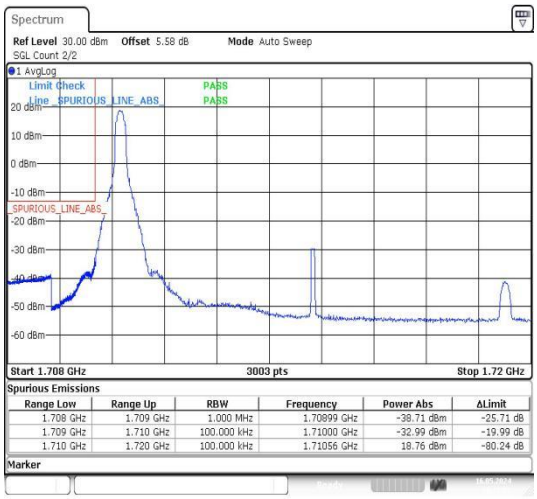
Band4_5MHz_16QAM_20375_25RB#0



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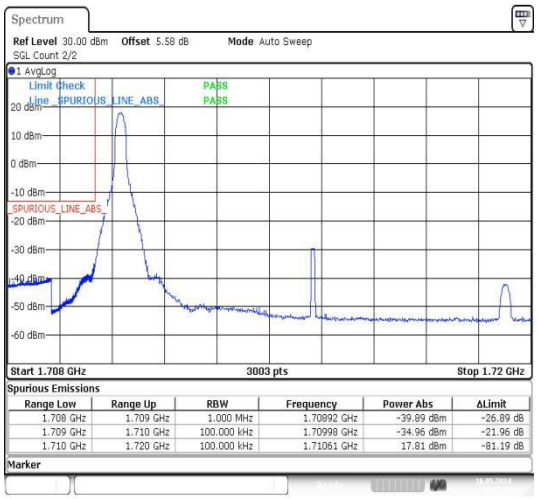

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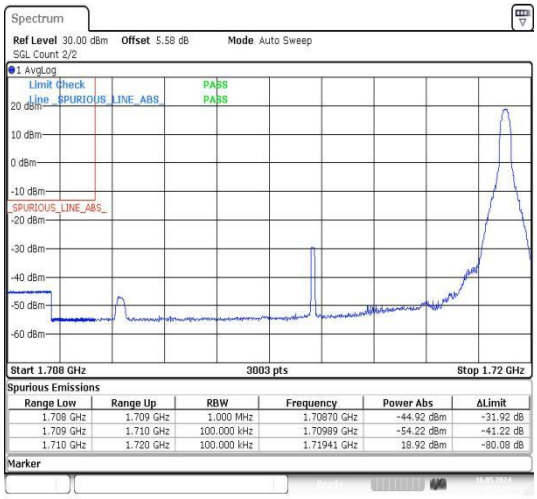

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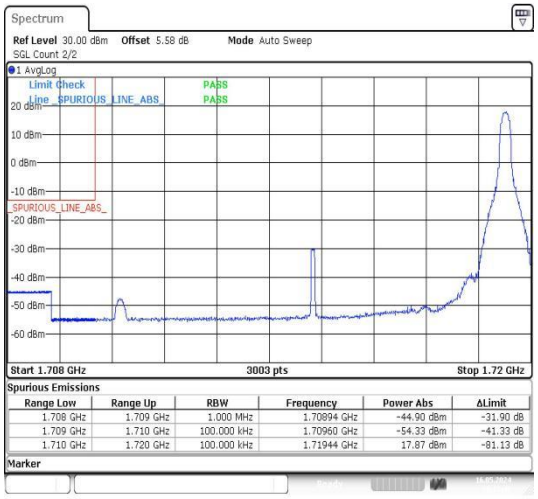

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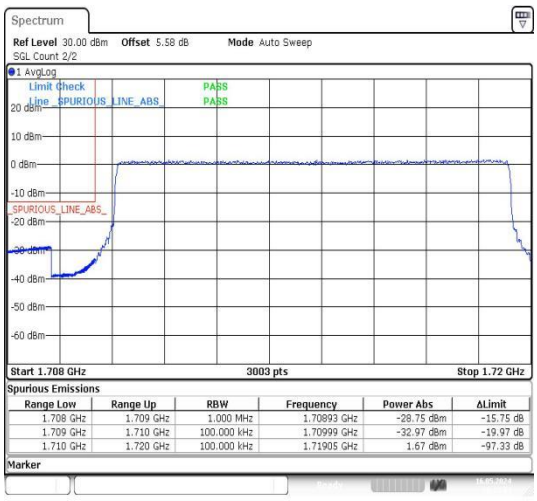

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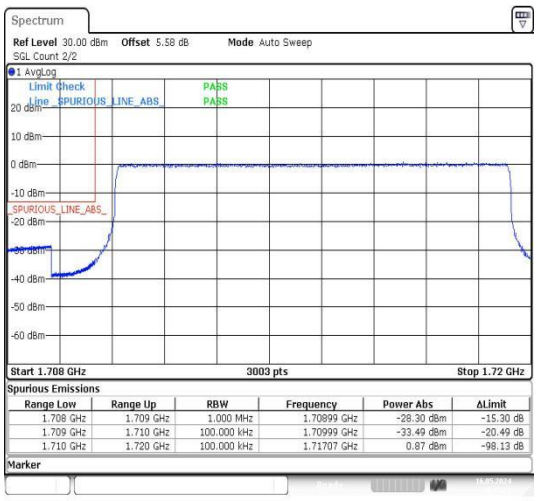

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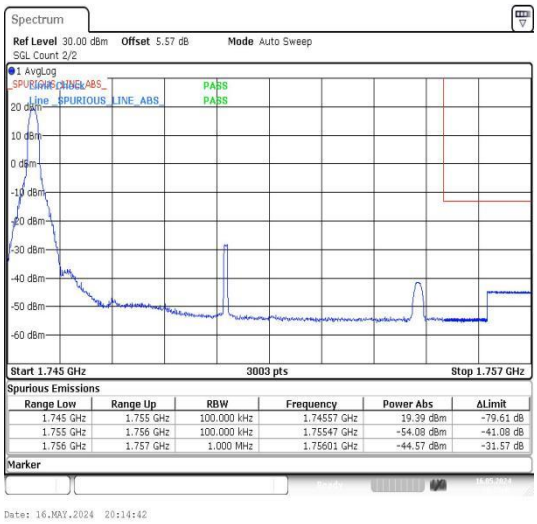

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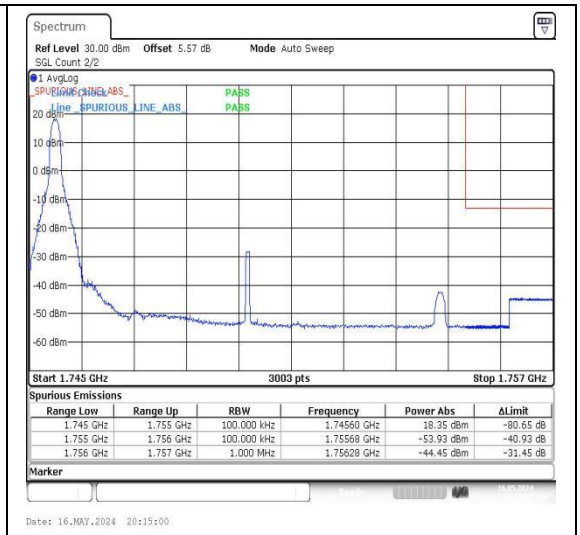

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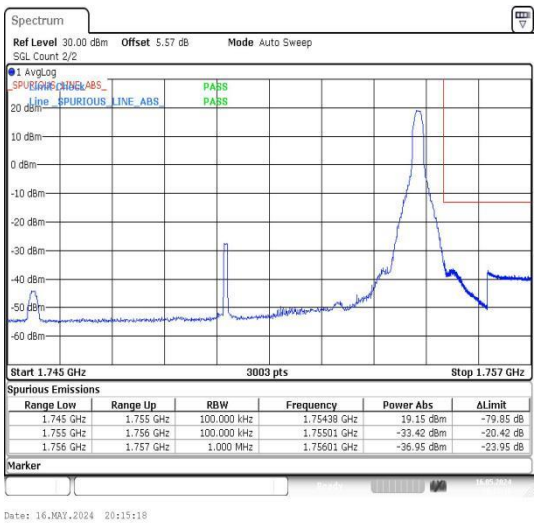

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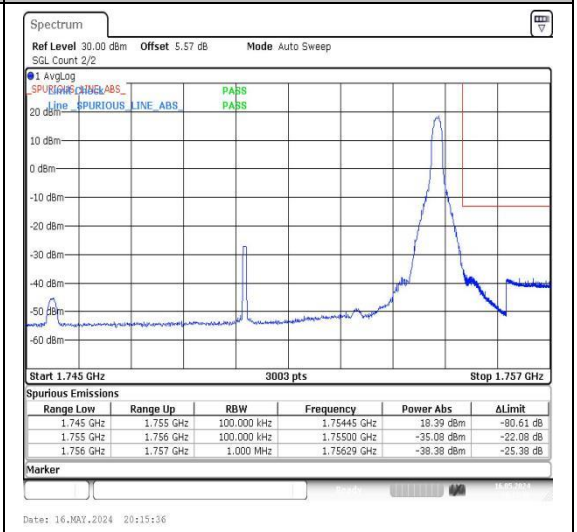

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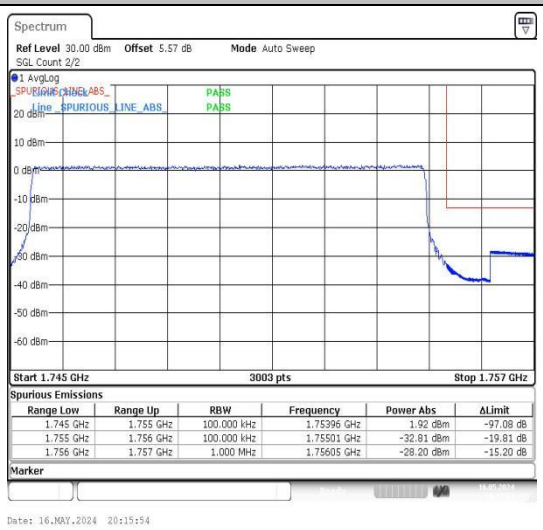

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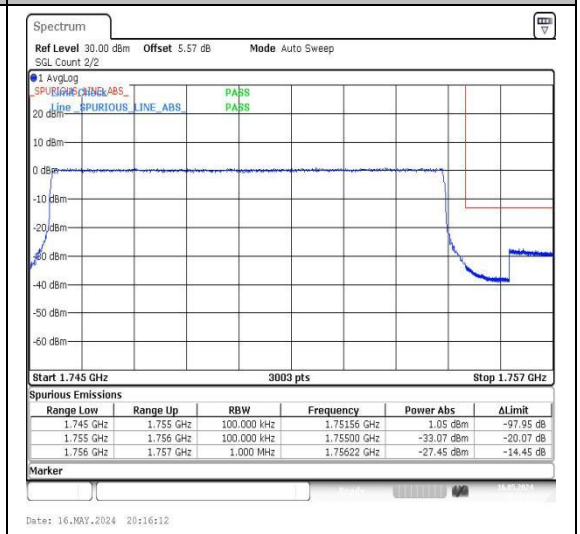

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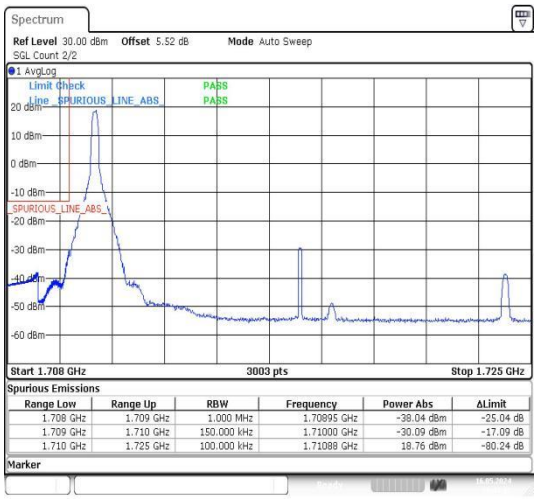

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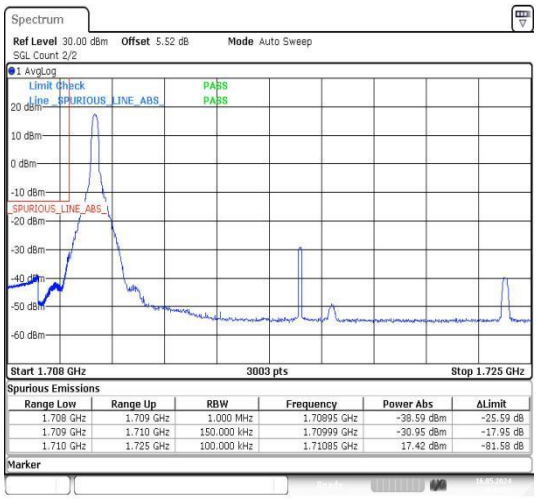

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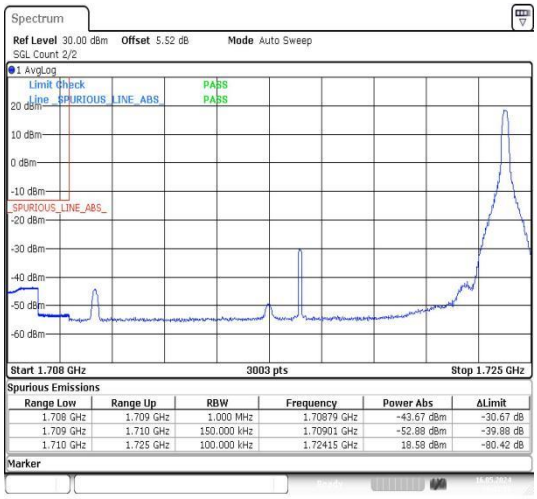

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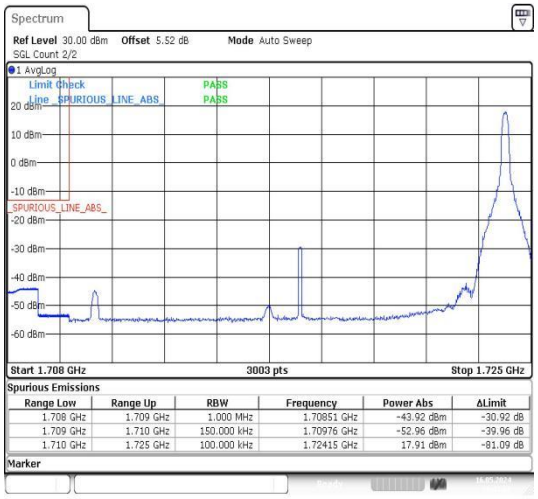

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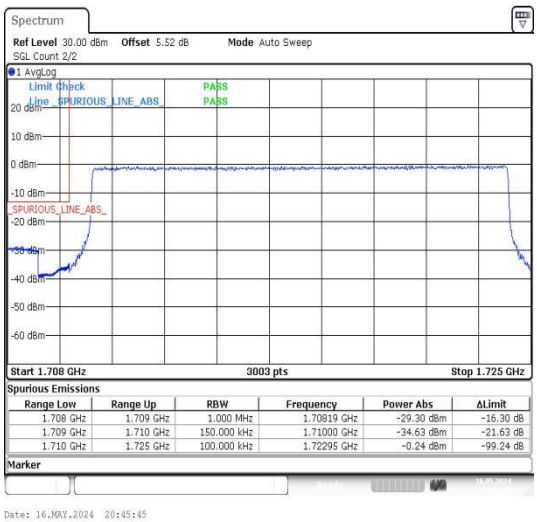

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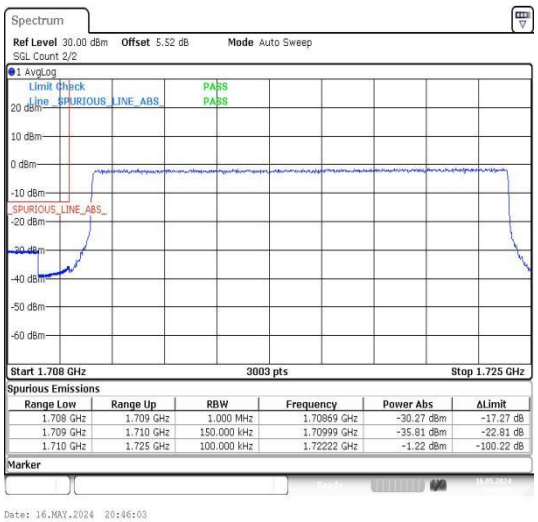

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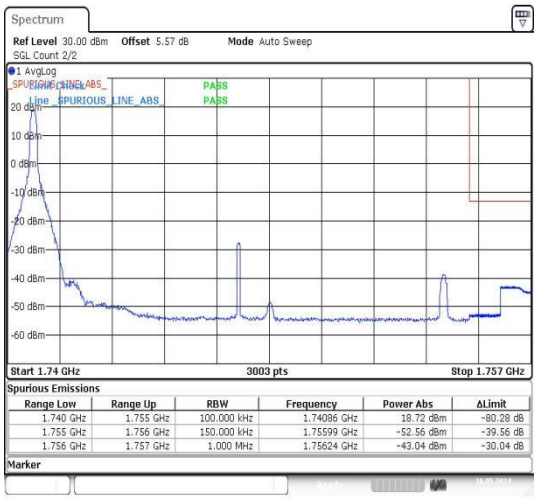

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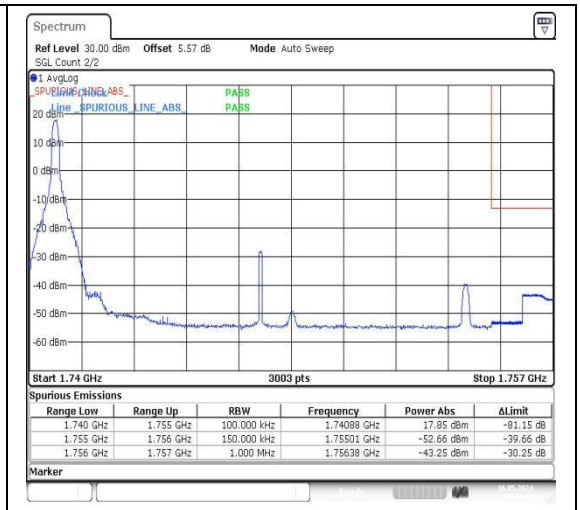

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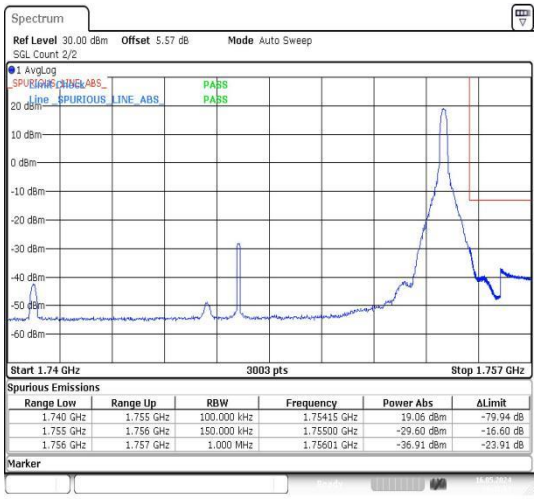

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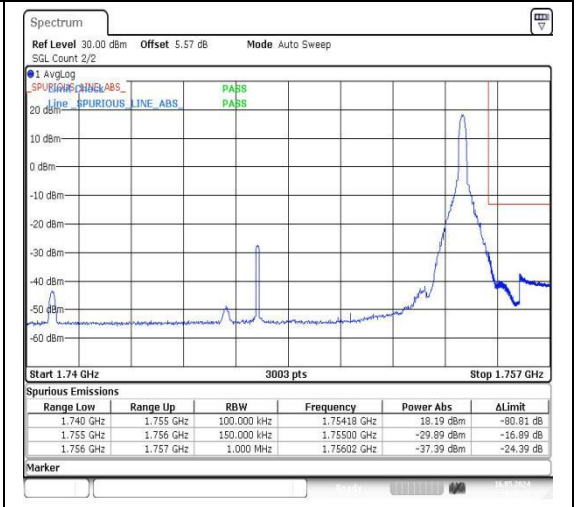

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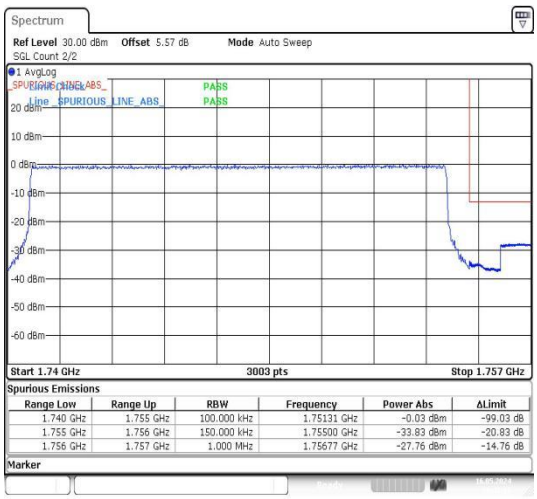

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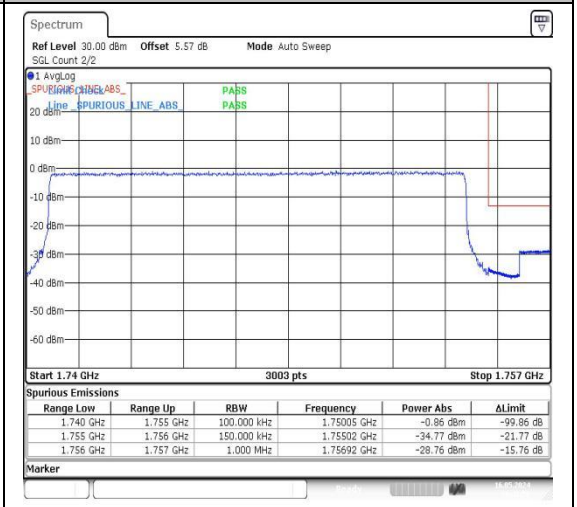

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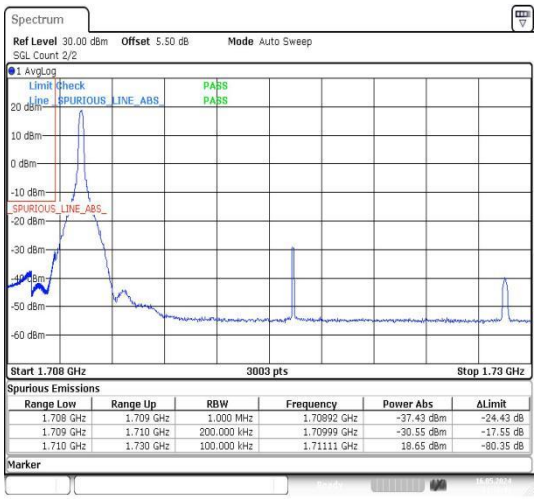

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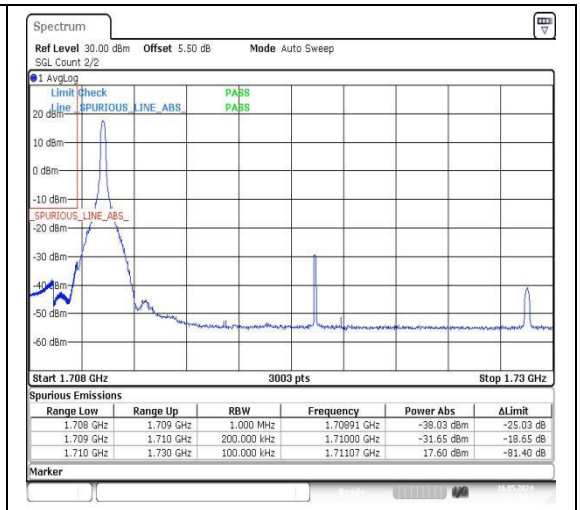

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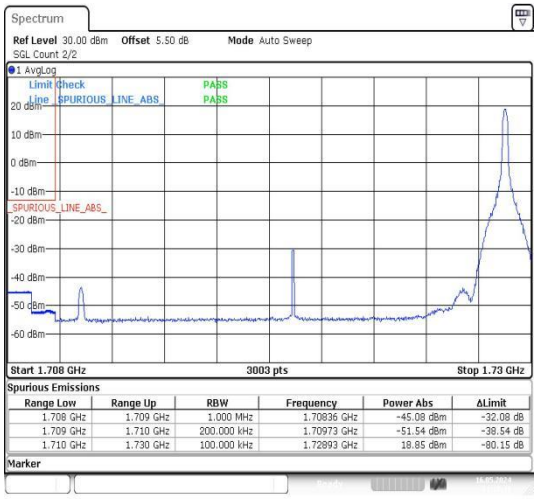

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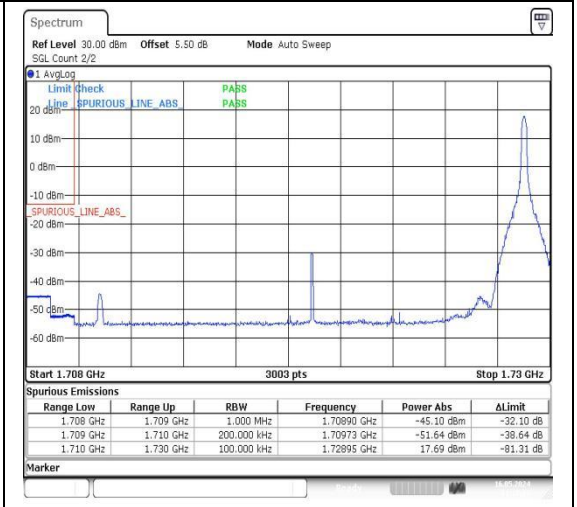

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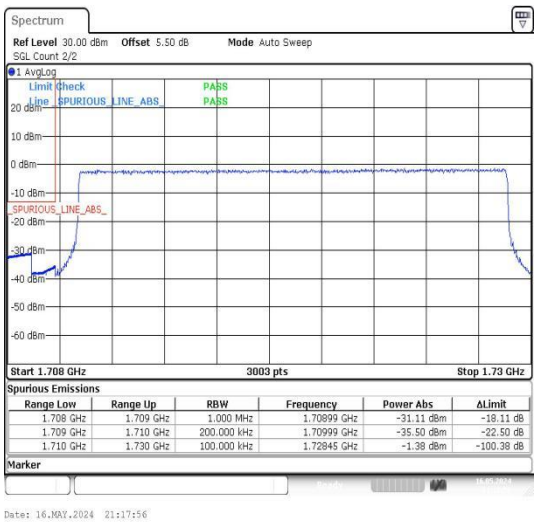

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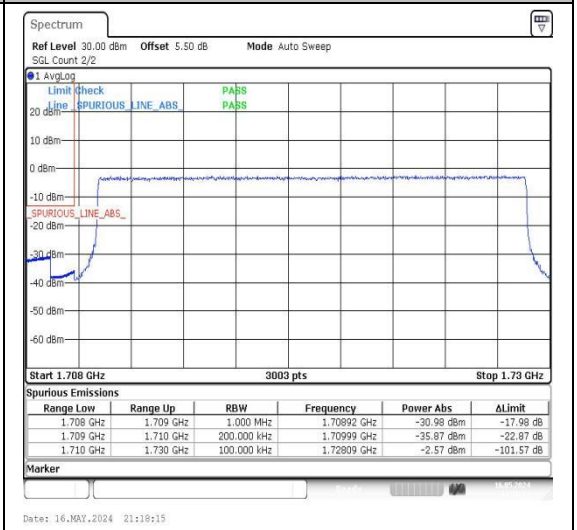

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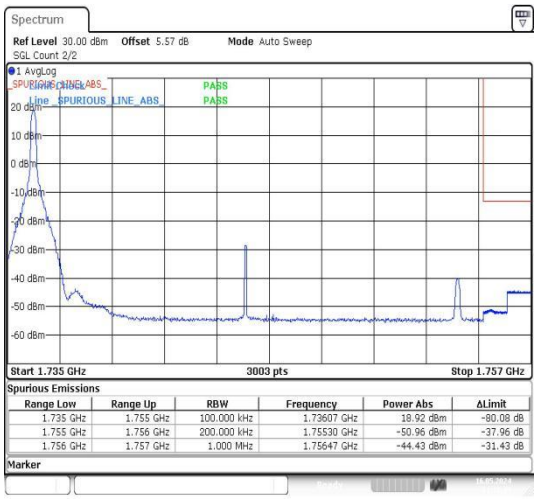
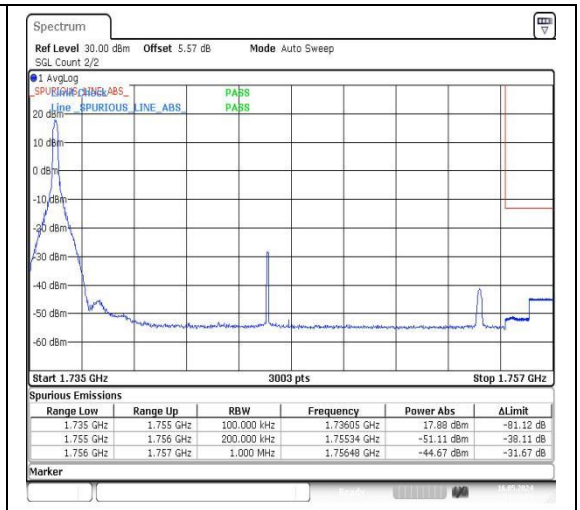
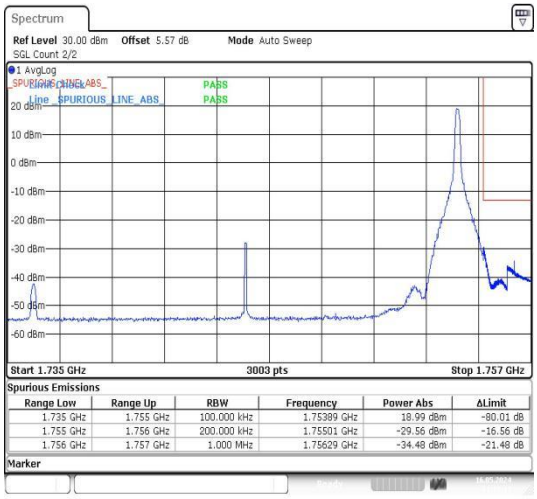


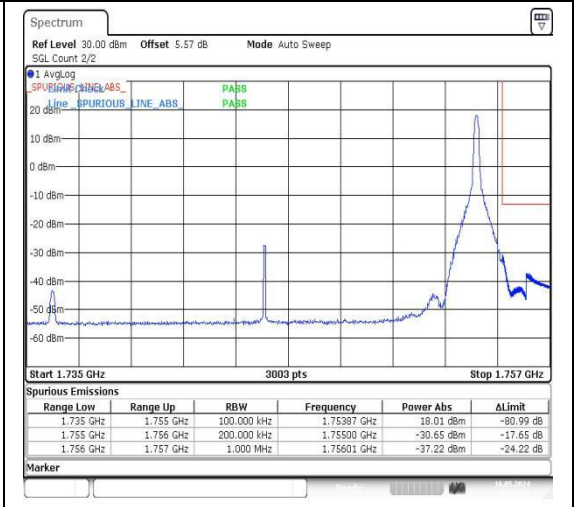
Band4_20MHz_QPSK_20300_1RB#0



Band4_20MHz_16QAM_20300_1RB#0



Band4_20MHz_QPSK_20300_1RB#99



Band4_20MHz_16QAM_20300_1RB#99

Band4_20MHz_QPSK_20300_100RB#0

Band4_20MHz_16QAM_20300_100RB#0

Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	0.009~0.15	-72.18	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	0.15~30	-75.01	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	30~1000	-64.98	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	1000~3000	-44.05	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	3000~20000	-33.21	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	0.009~0.15	-72.25	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	0.15~30	-74.75	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	30~1000	-64.58	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	1000~3000	-45.73	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	3000~20000	-33.14	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	0.009~0.15	-74.04	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	0.15~30	-74.84	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	30~1000	-64.92	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	1000~3000	-44.04	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	3000~20000	-33.28	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	0.009~0.15	-71.35	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	0.15~30	-75.06	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	30~1000	-64.80	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	1000~3000	-44.96	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	3000~20000	-33.04	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	0.009~0.15	-72.75	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	0.15~30	-75.11	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	30~1000	-64.60	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	1000~3000	-36.15	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3000~20000	-33.13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	0.009~0.15	-72.54	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	0.15~30	-75.02	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	30~1000	-64.62	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	1000~3000	-47.80	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	3000~20000	-33.17	PASS
Band4	3MHz	QPSK	19965	1RB#0	0.009~0.15	-73.13	PASS
Band4	3MHz	QPSK	19965	1RB#0	0.15~30	-75.90	PASS
Band4	3MHz	QPSK	19965	1RB#0	30~1000	-64.56	PASS
Band4	3MHz	QPSK	19965	1RB#0	1000~3000	-50.31	PASS
Band4	3MHz	QPSK	19965	1RB#0	3000~20000	-33.17	PASS

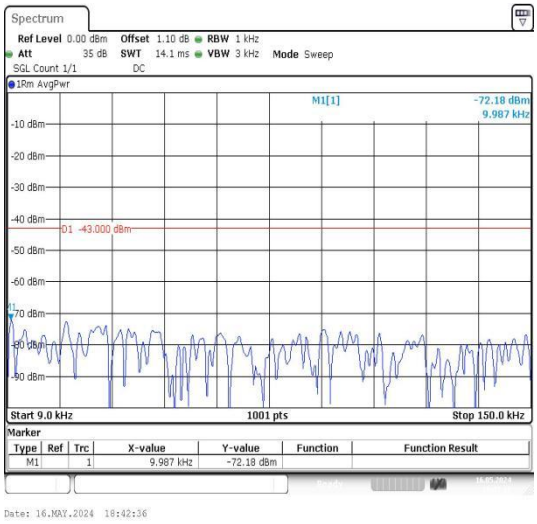
Band4	3MHz	16QAM	19965	1RB#0	0.009~0.15	-72.37	PASS
Band4	3MHz	16QAM	19965	1RB#0	0.15~30	-74.72	PASS
Band4	3MHz	16QAM	19965	1RB#0	30~1000	-64.83	PASS
Band4	3MHz	16QAM	19965	1RB#0	1000~3000	-51.02	PASS
Band4	3MHz	16QAM	19965	1RB#0	3000~20000	-33.10	PASS
Band4	3MHz	QPSK	20175	1RB#0	0.009~0.15	-71.45	PASS
Band4	3MHz	QPSK	20175	1RB#0	0.15~30	-74.26	PASS
Band4	3MHz	QPSK	20175	1RB#0	30~1000	-65.07	PASS
Band4	3MHz	QPSK	20175	1RB#0	1000~3000	-40.67	PASS
Band4	3MHz	QPSK	20175	1RB#0	3000~20000	-33.15	PASS
Band4	3MHz	16QAM	20175	1RB#0	0.009~0.15	-70.57	PASS
Band4	3MHz	16QAM	20175	1RB#0	0.15~30	-74.65	PASS
Band4	3MHz	16QAM	20175	1RB#0	30~1000	-64.91	PASS
Band4	3MHz	16QAM	20175	1RB#0	1000~3000	-50.90	PASS
Band4	3MHz	16QAM	20175	1RB#0	3000~20000	-33.16	PASS
Band4	3MHz	QPSK	20385	1RB#0	0.009~0.15	-74.63	PASS
Band4	3MHz	QPSK	20385	1RB#0	0.15~30	-73.95	PASS
Band4	3MHz	QPSK	20385	1RB#0	30~1000	-64.67	PASS
Band4	3MHz	QPSK	20385	1RB#0	1000~3000	-49.23	PASS
Band4	3MHz	QPSK	20385	1RB#0	3000~20000	-33.03	PASS
Band4	3MHz	16QAM	20385	1RB#0	0.009~0.15	-72.30	PASS
Band4	3MHz	16QAM	20385	1RB#0	0.15~30	-75.24	PASS
Band4	3MHz	16QAM	20385	1RB#0	30~1000	-64.78	PASS
Band4	3MHz	16QAM	20385	1RB#0	1000~3000	-50.86	PASS
Band4	3MHz	16QAM	20385	1RB#0	3000~20000	-33.15	PASS
Band4	5MHz	QPSK	19975	1RB#0	0.009~0.15	-73.04	PASS
Band4	5MHz	QPSK	19975	1RB#0	0.15~30	-75.69	PASS
Band4	5MHz	QPSK	19975	1RB#0	30~1000	-64.93	PASS
Band4	5MHz	QPSK	19975	1RB#0	1000~3000	-50.92	PASS
Band4	5MHz	QPSK	19975	1RB#0	3000~20000	-33.28	PASS
Band4	5MHz	16QAM	19975	1RB#0	0.009~0.15	-73.33	PASS
Band4	5MHz	16QAM	19975	1RB#0	0.15~30	-75.14	PASS
Band4	5MHz	16QAM	19975	1RB#0	30~1000	-64.69	PASS
Band4	5MHz	16QAM	19975	1RB#0	1000~3000	-51.03	PASS
Band4	5MHz	16QAM	19975	1RB#0	3000~20000	-33.14	PASS
Band4	5MHz	QPSK	20175	1RB#0	0.009~0.15	-72.51	PASS
Band4	5MHz	QPSK	20175	1RB#0	0.15~30	-75.60	PASS
Band4	5MHz	QPSK	20175	1RB#0	30~1000	-64.79	PASS
Band4	5MHz	QPSK	20175	1RB#0	1000~3000	-51.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	3000~20000	-33.16	PASS
Band4	5MHz	16QAM	20175	1RB#0	0.009~0.15	-72.82	PASS
Band4	5MHz	16QAM	20175	1RB#0	0.15~30	-75.49	PASS

Band4	5MHz	16QAM	20175	1RB#0	30~1000	-64.72	PASS
Band4	5MHz	16QAM	20175	1RB#0	1000~3000	-51.04	PASS
Band4	5MHz	16QAM	20175	1RB#0	3000~20000	-33.19	PASS
Band4	5MHz	QPSK	20375	1RB#0	0.009~0.15	-70.89	PASS
Band4	5MHz	QPSK	20375	1RB#0	0.15~30	-74.82	PASS
Band4	5MHz	QPSK	20375	1RB#0	30~1000	-64.66	PASS
Band4	5MHz	QPSK	20375	1RB#0	1000~3000	-50.95	PASS
Band4	5MHz	QPSK	20375	1RB#0	3000~20000	-33.07	PASS
Band4	5MHz	16QAM	20375	1RB#0	0.009~0.15	-72.50	PASS
Band4	5MHz	16QAM	20375	1RB#0	0.15~30	-74.41	PASS
Band4	5MHz	16QAM	20375	1RB#0	30~1000	-64.89	PASS
Band4	5MHz	16QAM	20375	1RB#0	1000~3000	-50.91	PASS
Band4	5MHz	16QAM	20375	1RB#0	3000~20000	-33.15	PASS
Band4	10MHz	QPSK	20000	1RB#0	0.009~0.15	-71.49	PASS
Band4	10MHz	QPSK	20000	1RB#0	0.15~30	-75.07	PASS
Band4	10MHz	QPSK	20000	1RB#0	30~1000	-65.05	PASS
Band4	10MHz	QPSK	20000	1RB#0	1000~3000	-51.04	PASS
Band4	10MHz	QPSK	20000	1RB#0	3000~20000	-33.23	PASS
Band4	10MHz	16QAM	20000	1RB#0	0.009~0.15	-74.71	PASS
Band4	10MHz	16QAM	20000	1RB#0	0.15~30	-75.49	PASS
Band4	10MHz	16QAM	20000	1RB#0	30~1000	-64.96	PASS
Band4	10MHz	16QAM	20000	1RB#0	1000~3000	-35.95	PASS
Band4	10MHz	16QAM	20000	1RB#0	3000~20000	-32.86	PASS
Band4	10MHz	QPSK	20175	1RB#0	0.009~0.15	-71.81	PASS
Band4	10MHz	QPSK	20175	1RB#0	0.15~30	-73.78	PASS
Band4	10MHz	QPSK	20175	1RB#0	30~1000	-64.32	PASS
Band4	10MHz	QPSK	20175	1RB#0	1000~3000	-50.96	PASS
Band4	10MHz	QPSK	20175	1RB#0	3000~20000	-33.17	PASS
Band4	10MHz	16QAM	20175	1RB#0	0.009~0.15	-74.68	PASS
Band4	10MHz	16QAM	20175	1RB#0	0.15~30	-75.13	PASS
Band4	10MHz	16QAM	20175	1RB#0	30~1000	-64.77	PASS
Band4	10MHz	16QAM	20175	1RB#0	1000~3000	-50.92	PASS
Band4	10MHz	16QAM	20175	1RB#0	3000~20000	-32.98	PASS
Band4	10MHz	QPSK	20350	1RB#0	0.009~0.15	-73.64	PASS
Band4	10MHz	QPSK	20350	1RB#0	0.15~30	-74.95	PASS
Band4	10MHz	QPSK	20350	1RB#0	30~1000	-64.68	PASS
Band4	10MHz	QPSK	20350	1RB#0	1000~3000	-51.05	PASS
Band4	10MHz	QPSK	20350	1RB#0	3000~20000	-33.21	PASS
Band4	10MHz	16QAM	20350	1RB#0	0.009~0.15	-71.38	PASS
Band4	10MHz	16QAM	20350	1RB#0	0.15~30	-75.42	PASS
Band4	10MHz	16QAM	20350	1RB#0	30~1000	-64.69	PASS
Band4	10MHz	16QAM	20350	1RB#0	1000~3000	-50.93	PASS

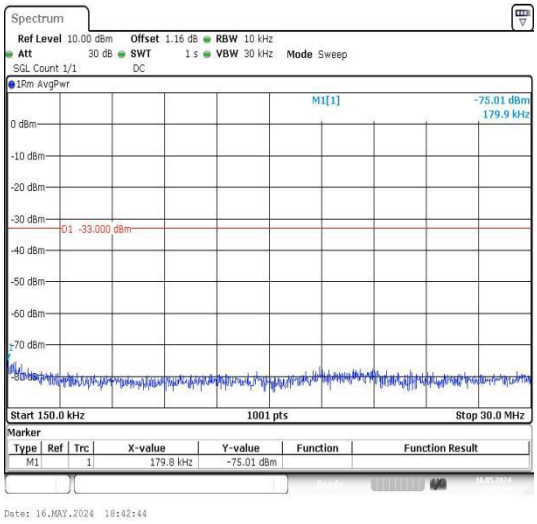
Band4	10MHz	16QAM	20350	1RB#0	3000~20000	-33.34	PASS
Band4	15MHz	QPSK	20025	1RB#0	0.009~0.15	-71.33	PASS
Band4	15MHz	QPSK	20025	1RB#0	0.15~30	-74.45	PASS
Band4	15MHz	QPSK	20025	1RB#0	30~1000	-64.92	PASS
Band4	15MHz	QPSK	20025	1RB#0	1000~3000	-39.75	PASS
Band4	15MHz	QPSK	20025	1RB#0	3000~20000	-33.12	PASS
Band4	15MHz	16QAM	20025	1RB#0	0.009~0.15	-71.78	PASS
Band4	15MHz	16QAM	20025	1RB#0	0.15~30	-75.38	PASS
Band4	15MHz	16QAM	20025	1RB#0	30~1000	-64.85	PASS
Band4	15MHz	16QAM	20025	1RB#0	1000~3000	-50.87	PASS
Band4	15MHz	16QAM	20025	1RB#0	3000~20000	-33.11	PASS
Band4	15MHz	QPSK	20175	1RB#0	0.009~0.15	-72.43	PASS
Band4	15MHz	QPSK	20175	1RB#0	0.15~30	-73.95	PASS
Band4	15MHz	QPSK	20175	1RB#0	30~1000	-64.53	PASS
Band4	15MHz	QPSK	20175	1RB#0	1000~3000	-50.93	PASS
Band4	15MHz	QPSK	20175	1RB#0	3000~20000	-33.11	PASS
Band4	15MHz	16QAM	20175	1RB#0	0.009~0.15	-72.29	PASS
Band4	15MHz	16QAM	20175	1RB#0	0.15~30	-74.41	PASS
Band4	15MHz	16QAM	20175	1RB#0	30~1000	-64.59	PASS
Band4	15MHz	16QAM	20175	1RB#0	1000~3000	-51.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	3000~20000	-33.24	PASS
Band4	15MHz	QPSK	20325	1RB#0	0.009~0.15	-73.01	PASS
Band4	15MHz	QPSK	20325	1RB#0	0.15~30	-74.17	PASS
Band4	15MHz	QPSK	20325	1RB#0	30~1000	-64.84	PASS
Band4	15MHz	QPSK	20325	1RB#0	1000~3000	-51.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	3000~20000	-33.03	PASS
Band4	15MHz	16QAM	20325	1RB#0	0.009~0.15	-72.13	PASS
Band4	15MHz	16QAM	20325	1RB#0	0.15~30	-74.10	PASS
Band4	15MHz	16QAM	20325	1RB#0	30~1000	-64.50	PASS
Band4	15MHz	16QAM	20325	1RB#0	1000~3000	-51.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	3000~20000	-33.18	PASS
Band4	20MHz	QPSK	20050	1RB#0	0.009~0.15	-72.39	PASS
Band4	20MHz	QPSK	20050	1RB#0	0.15~30	-75.51	PASS
Band4	20MHz	QPSK	20050	1RB#0	30~1000	-64.92	PASS
Band4	20MHz	QPSK	20050	1RB#0	1000~3000	-42.45	PASS
Band4	20MHz	QPSK	20050	1RB#0	3000~20000	-33.23	PASS
Band4	20MHz	16QAM	20050	1RB#0	0.009~0.15	-72.31	PASS
Band4	20MHz	16QAM	20050	1RB#0	0.15~30	-73.65	PASS
Band4	20MHz	16QAM	20050	1RB#0	30~1000	-64.84	PASS
Band4	20MHz	16QAM	20050	1RB#0	1000~3000	-50.69	PASS
Band4	20MHz	16QAM	20050	1RB#0	3000~20000	-33.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	0.009~0.15	-70.71	PASS

Band4	20MHz	QPSK	20175	1RB#0	0.15~30	-75.42	PASS
Band4	20MHz	QPSK	20175	1RB#0	30~1000	-64.84	PASS
Band4	20MHz	QPSK	20175	1RB#0	1000~3000	-50.93	PASS
Band4	20MHz	QPSK	20175	1RB#0	3000~20000	-33.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	0.009~0.15	-71.40	PASS
Band4	20MHz	16QAM	20175	1RB#0	0.15~30	-75.56	PASS
Band4	20MHz	16QAM	20175	1RB#0	30~1000	-64.97	PASS
Band4	20MHz	16QAM	20175	1RB#0	1000~3000	-50.86	PASS
Band4	20MHz	16QAM	20175	1RB#0	3000~20000	-33.02	PASS
Band4	20MHz	QPSK	20300	1RB#0	0.009~0.15	-72.75	PASS
Band4	20MHz	QPSK	20300	1RB#0	0.15~30	-76.01	PASS
Band4	20MHz	QPSK	20300	1RB#0	30~1000	-64.68	PASS
Band4	20MHz	QPSK	20300	1RB#0	1000~3000	-50.92	PASS
Band4	20MHz	QPSK	20300	1RB#0	3000~20000	-33.24	PASS
Band4	20MHz	16QAM	20300	1RB#0	0.009~0.15	-73.07	PASS
Band4	20MHz	16QAM	20300	1RB#0	0.15~30	-74.58	PASS
Band4	20MHz	16QAM	20300	1RB#0	30~1000	-64.81	PASS
Band4	20MHz	16QAM	20300	1RB#0	1000~3000	-49.74	PASS
Band4	20MHz	16QAM	20300	1RB#0	3000~20000	-33.30	PASS

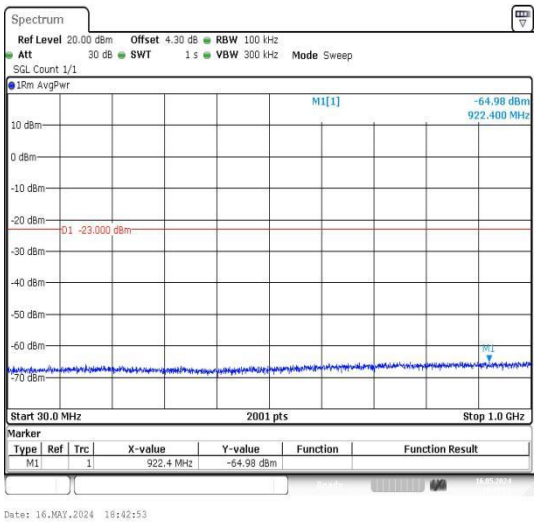
Test Graphs



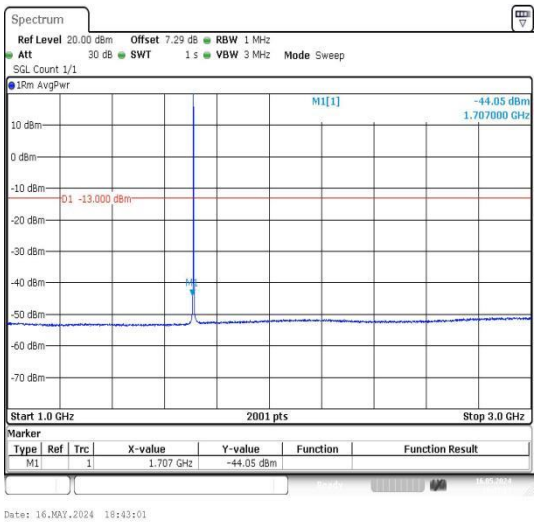
Band4_1.4MHz_QPSK_19957_1RB#0_0.009~0.15_0.009~0.15



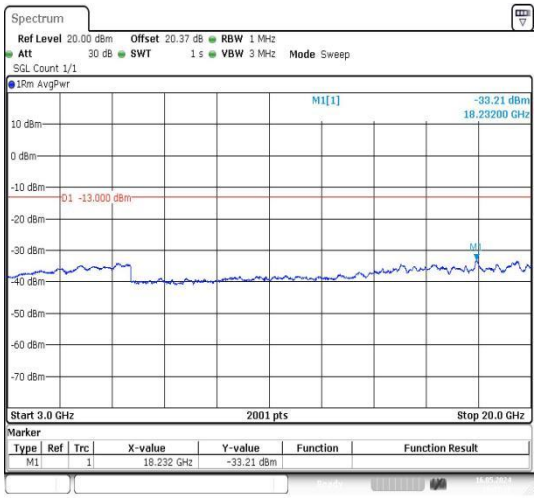
Band4_1.4MHz_QPSK_19957_1RB#0_0.15~30_0.15~30



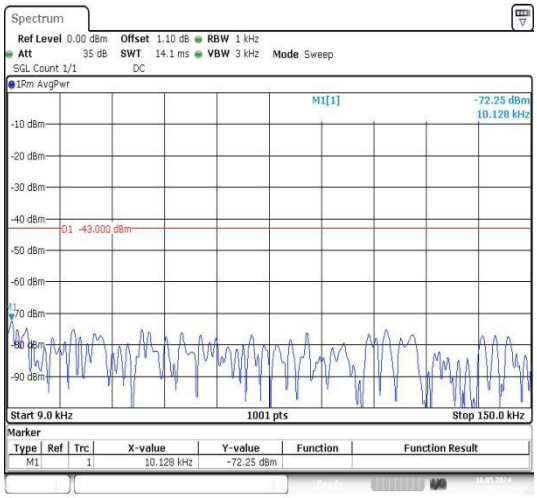
Band4_1.4MHz_QPSK_19957_1RB#0_30~1000_30~1000



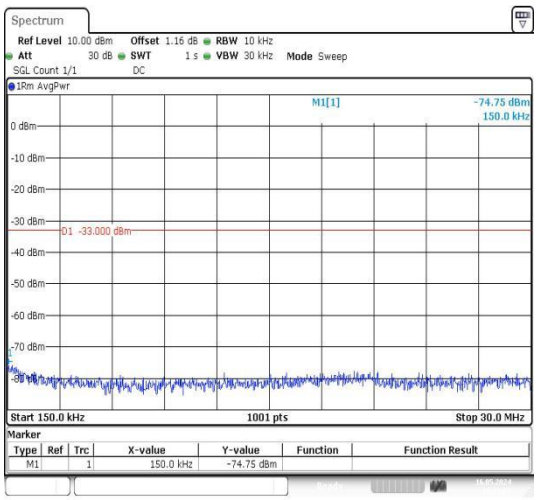
Band4_1.4MHz_QPSK_19957_1RB#0_1000~3000_1000~3000

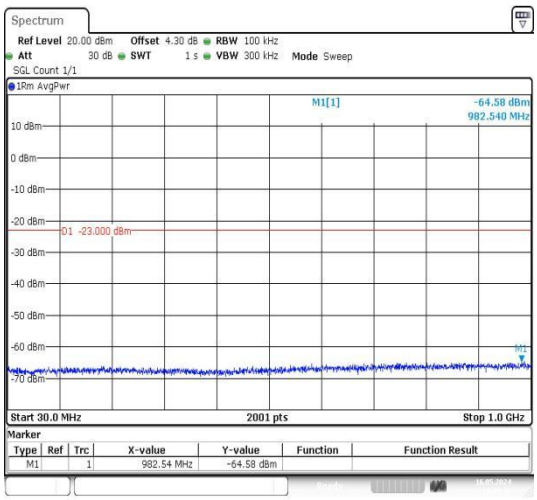


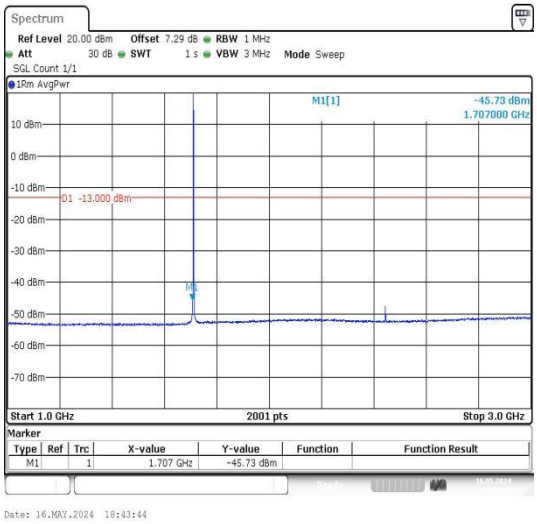
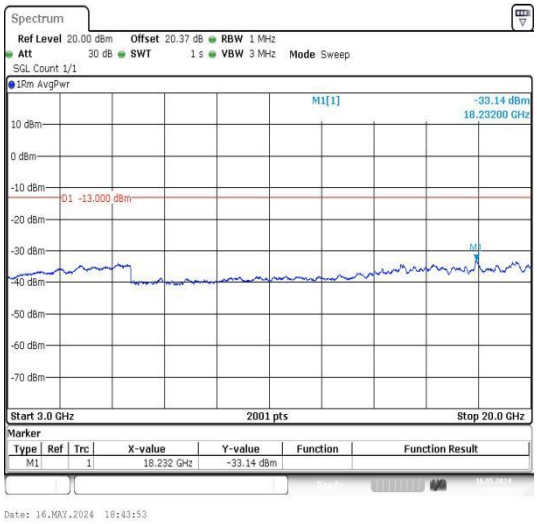
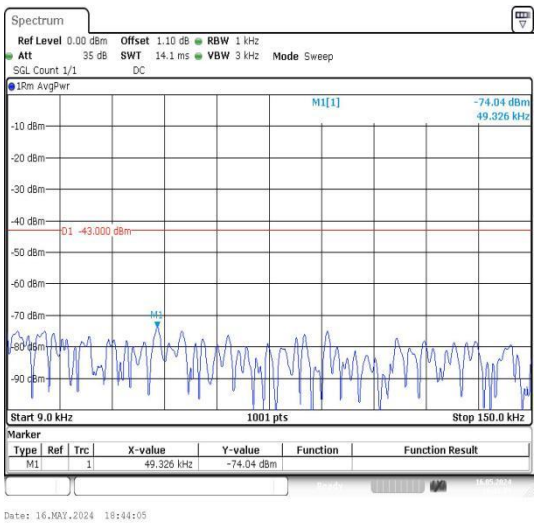
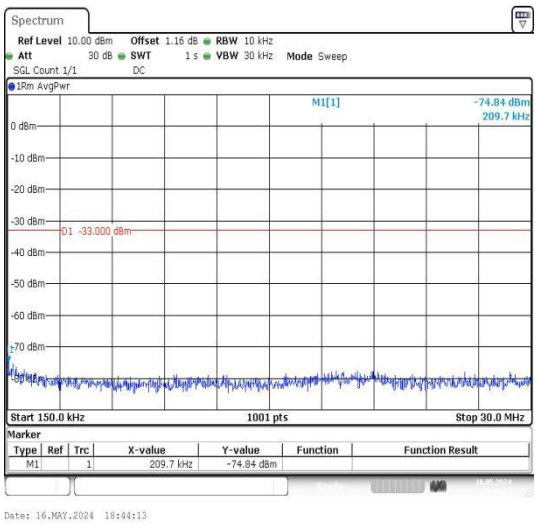
Band4_1.4MHz_QPSK_19957_1RB#0_3000~20000_3000~20000

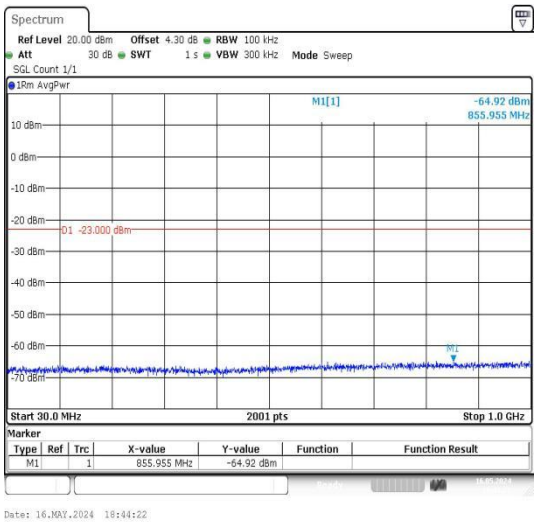


Band4_1.4MHz_16QAM_19957_1RB#0_0.009~0.15_0.009~0.15

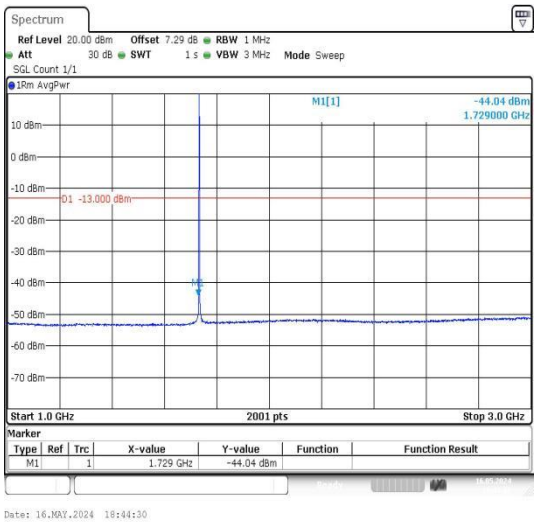




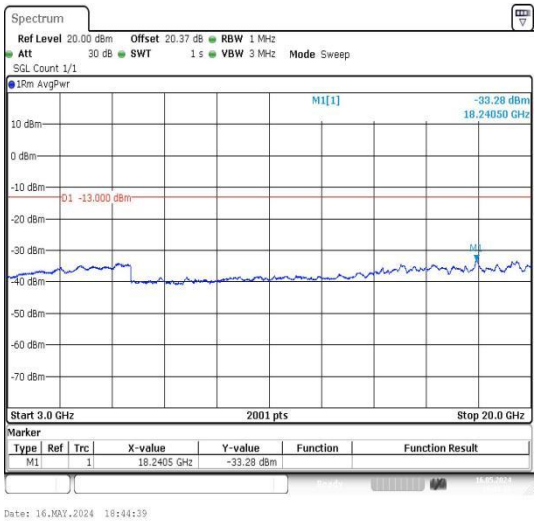
Band4_1.4MHz_16QAM_19957_1RB#0_0.15~30_0.15~30	Band4_1.4MHz_16QAM_19957_1RB#0_30~1000_30~1000
	
Band4_1.4MHz_16QAM_19957_1RB#0_1000~3000_1000~3000	Band4_1.4MHz_16QAM_19957_1RB#0_3000~20000_3000~20000
	
Band4_1.4MHz_QPSK_20175_1RB#0_0.009~0.15_0.009~0.15	Band4_1.4MHz_QPSK_20175_1RB#0_0.15~30_0.15~30



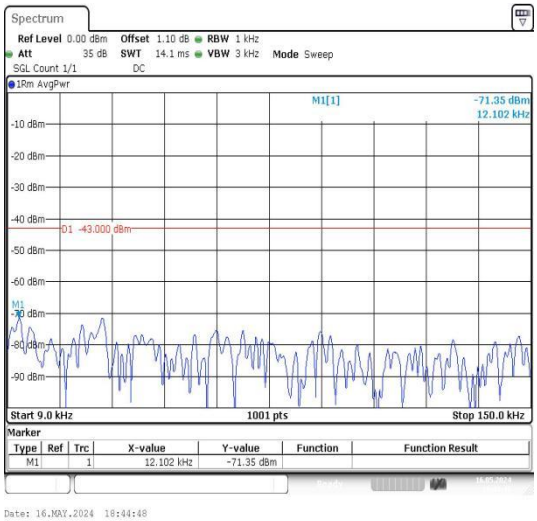
Band4_1.4MHz_QPSK_20175_1RB#0_30~1000_30~1000



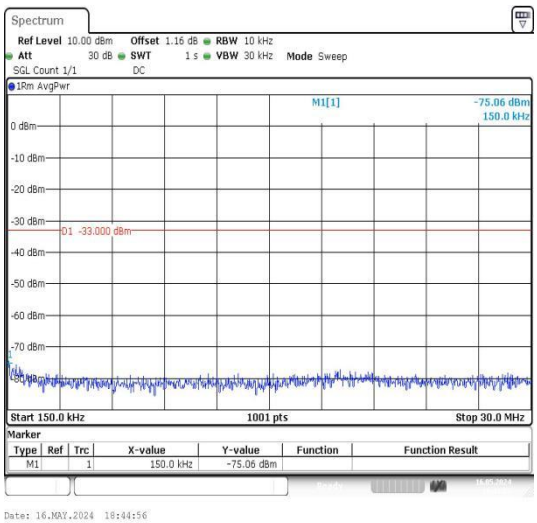
Band4_1.4MHz_QPSK_20175_1RB#0_1000~3000_1000~3000

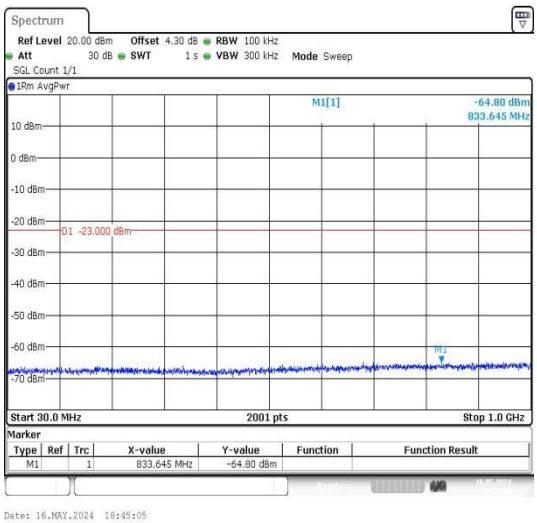


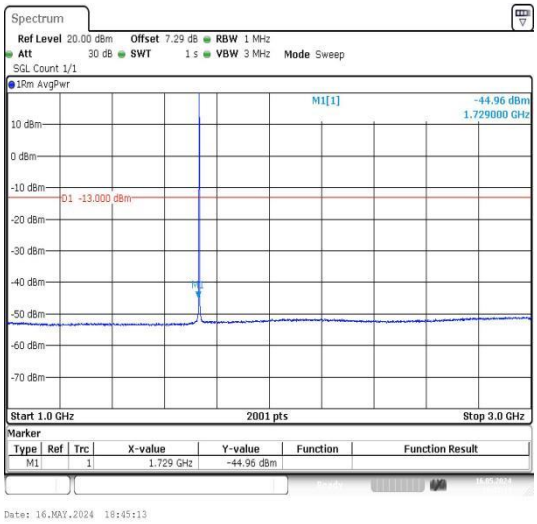
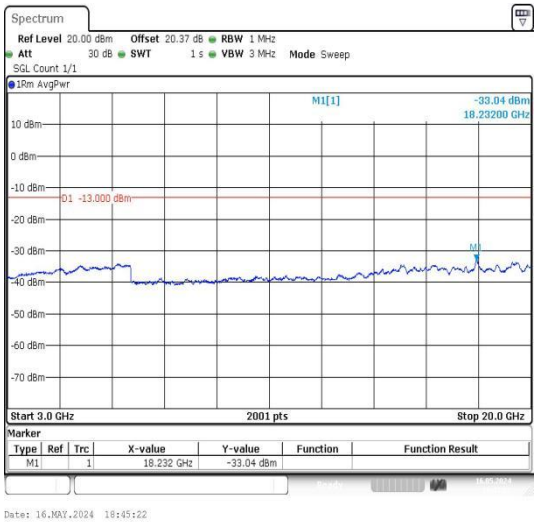
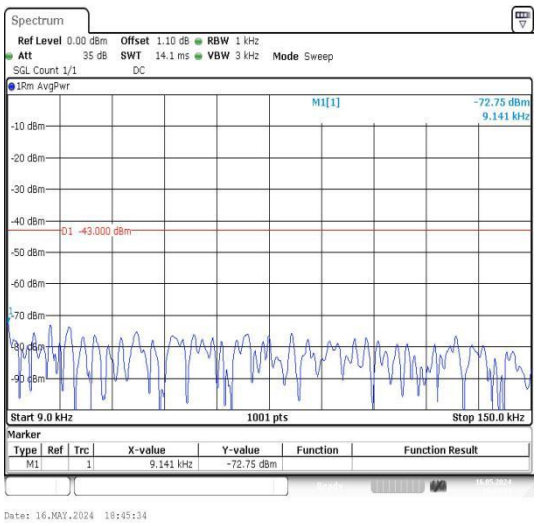
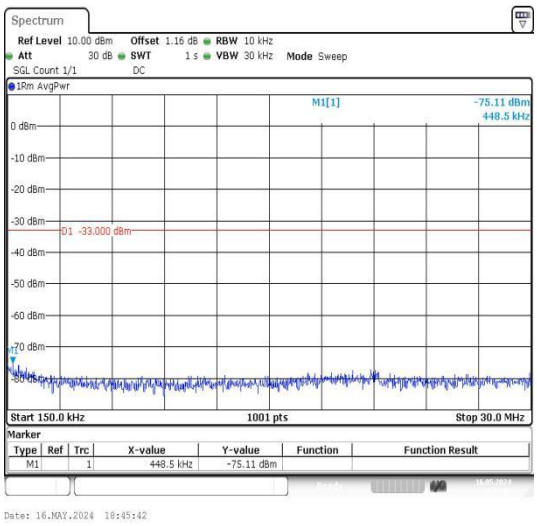
Band4_1.4MHz_QPSK_20175_1RB#0_3000~20000_3000~20000

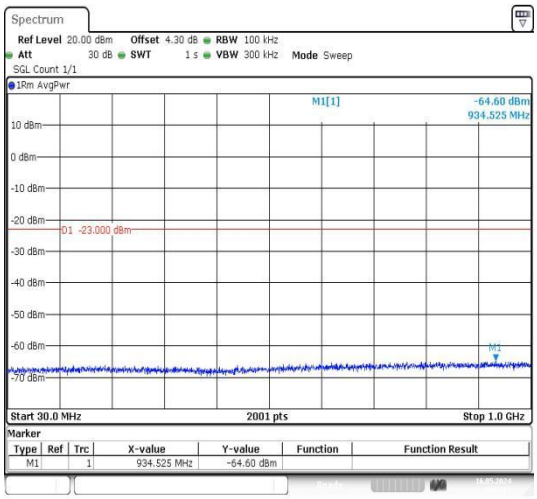


Band4_1.4MHz_16QAM_20175_1RB#0_0.009~0.15_0.009~0.15

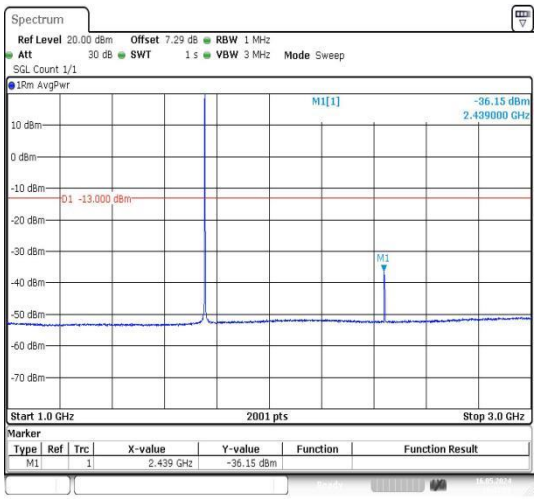




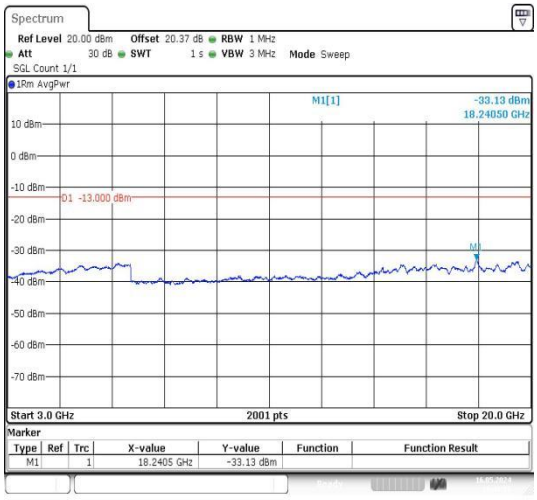
Band4_1.4MHz_16QAM_20175_1RB#0_0.15~30_0.15~30	Band4_1.4MHz_16QAM_20175_1RB#0_30~1000_30~1000
	
Band4_1.4MHz_16QAM_20175_1RB#0_1000~3000_1000~3000	Band4_1.4MHz_16QAM_20175_1RB#0_3000~20000_3000~20000
	
Band4_1.4MHz_QPSK_20393_1RB#0_0.009~0.15_0.009~0.15	Band4_1.4MHz_QPSK_20393_1RB#0_0.15~30_0.15~30



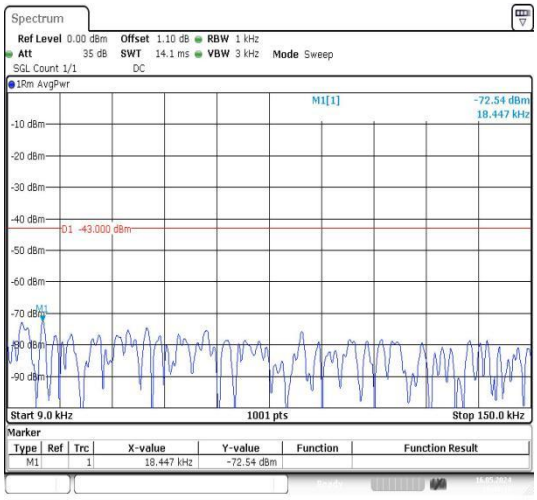
Band4_1.4MHz_QPSK_20393_1RB#0_30~1000_30~1000



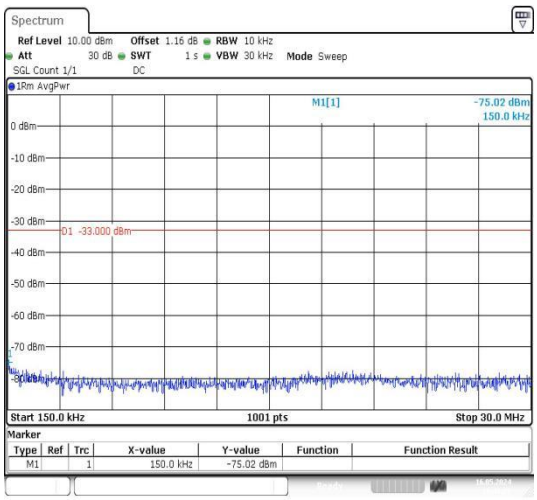
Band4_1.4MHz_QPSK_20393_1RB#0_1000~3000_1000~3000

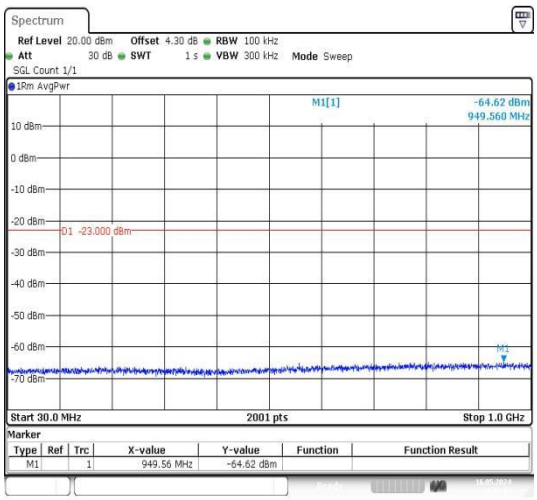


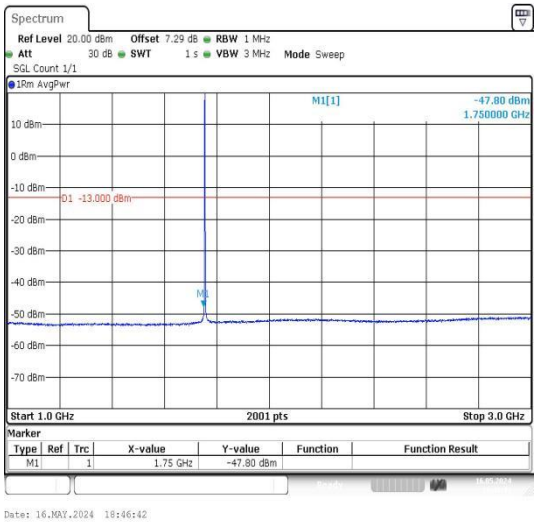
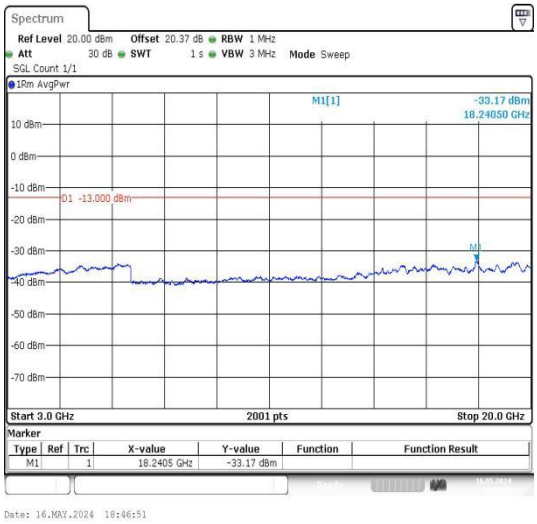
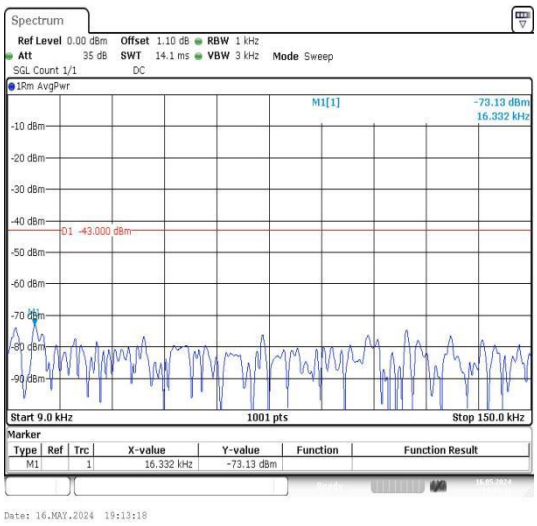
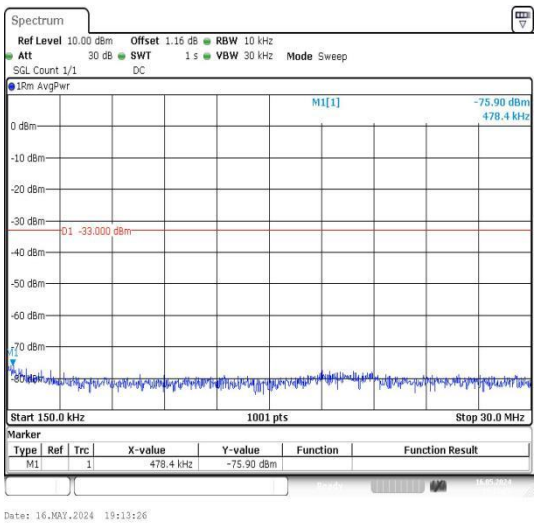
Band4_1.4MHz_QPSK_20393_1RB#0_3000~20000_3000~20000

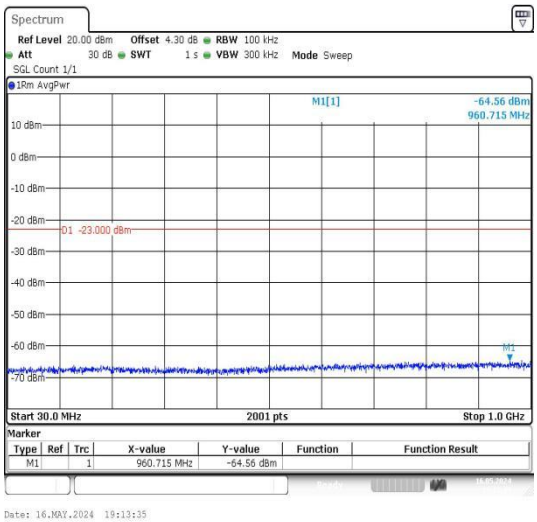


Band4_1.4MHz_16QAM_20393_1RB#0_0.009~0.15_0.009~0.15

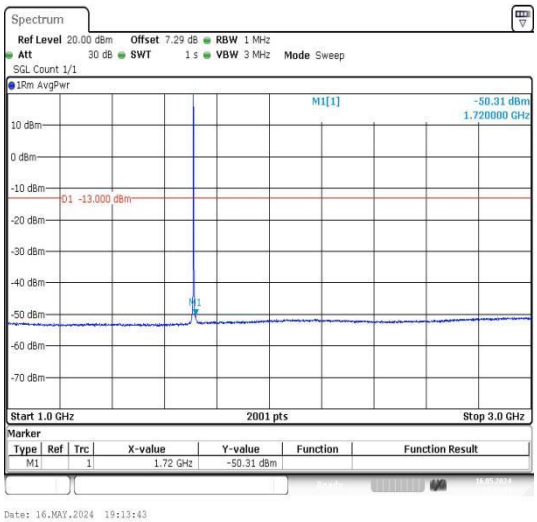




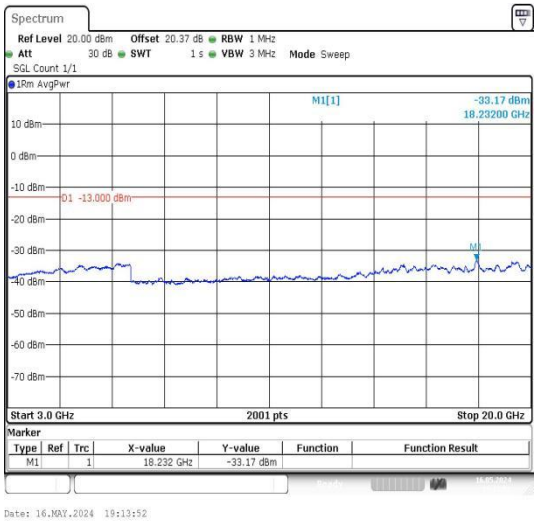
Band4_1.4MHz_16QAM_20393_1RB#0_0.15~30_0.15~30	Band4_1.4MHz_16QAM_20393_1RB#0_30~1000_30~1000
	
Band4_1.4MHz_16QAM_20393_1RB#0_1000~3000_1000~3000	Band4_1.4MHz_16QAM_20393_1RB#0_3000~20000_3000~20000
	
Band4_3MHz_QPSK_19965_1RB#0_0.009~0.15_0.009~0.15	Band4_3MHz_QPSK_19965_1RB#0_0.15~30_0.15~30



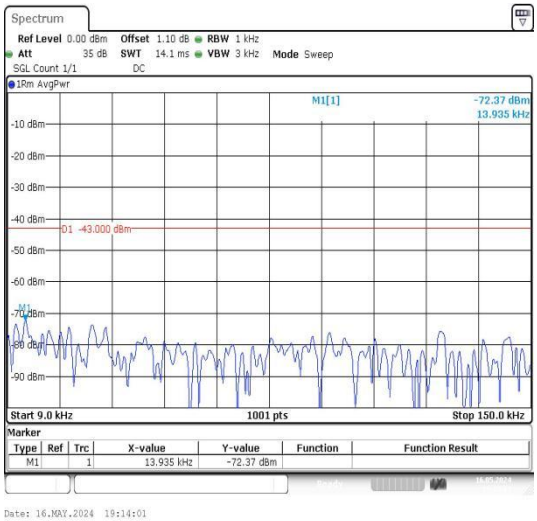
Band4_3MHz_QPSK_19965_1RB#0_30~1000_30~1000



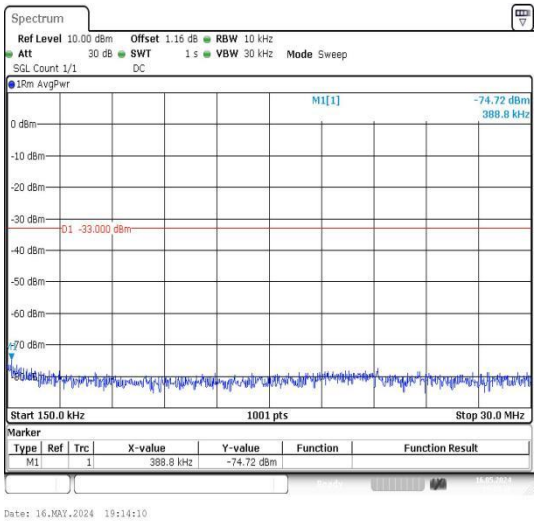
Band4_3MHz_QPSK_19965_1RB#0_1000~3000_1000~3000

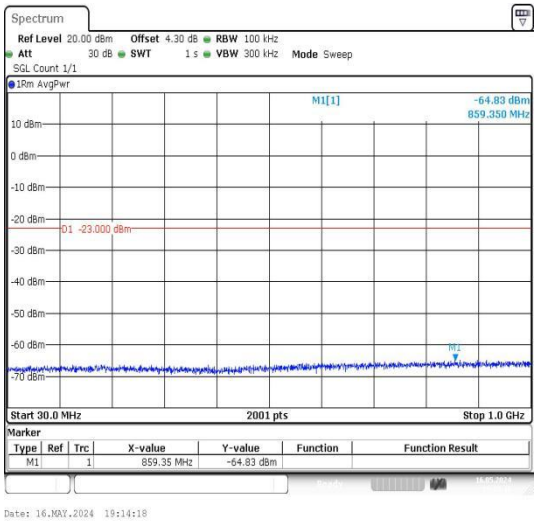


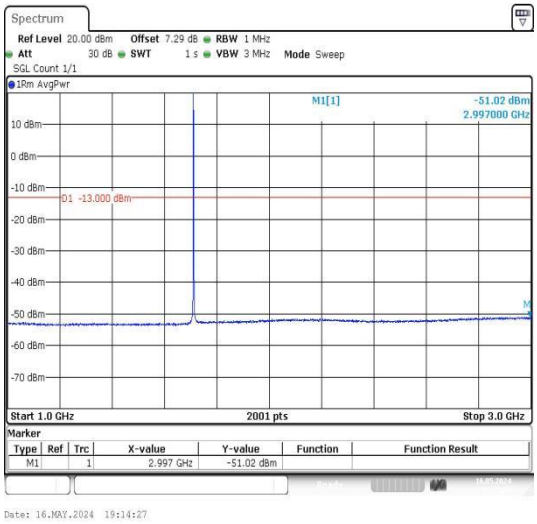
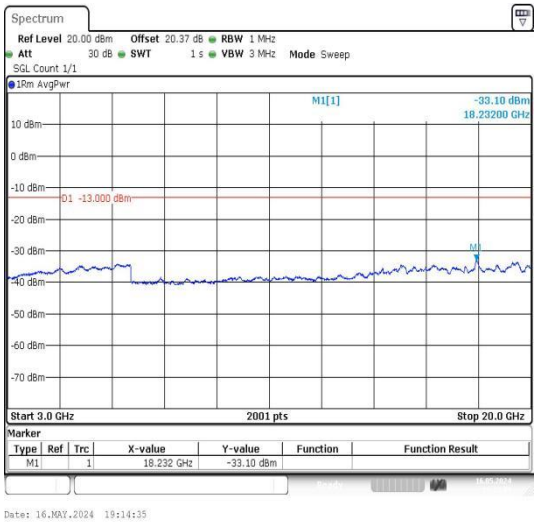
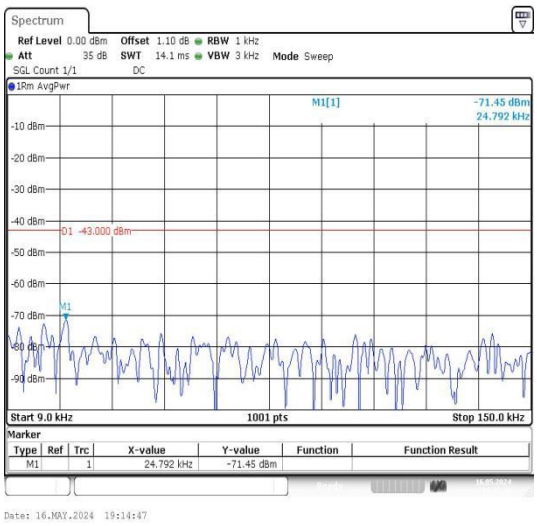
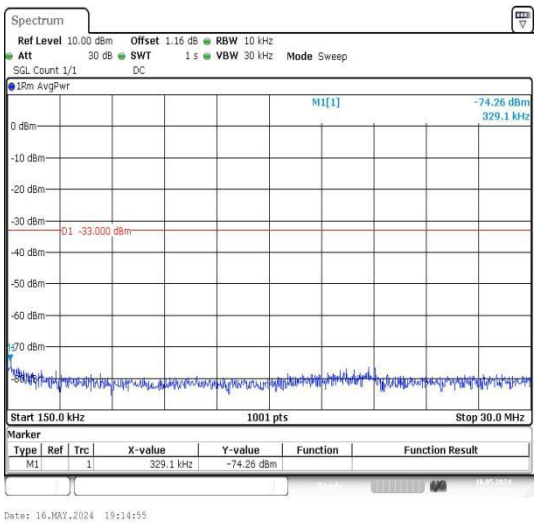
Band4_3MHz_QPSK_19965_1RB#0_3000~20000_3000~20000



Band4_3MHz_16QAM_19965_1RB#0_0.009~0.15_0.009~0.15





Band4_3MHz_16QAM_19965_1RB#0_0.15~30_0.15~30	Band4_3MHz_16QAM_19965_1RB#0_30~1000_30~1000
	
Band4_3MHz_16QAM_19965_1RB#0_1000~3000_1000~3000	Band4_3MHz_16QAM_19965_1RB#0_3000~20000_3000~20000
	
Band4_3MHz_QPSK_20175_1RB#0_0.009~0.15_0.009~0.15	Band4_3MHz_QPSK_20175_1RB#0_0.15~30_0.15~30