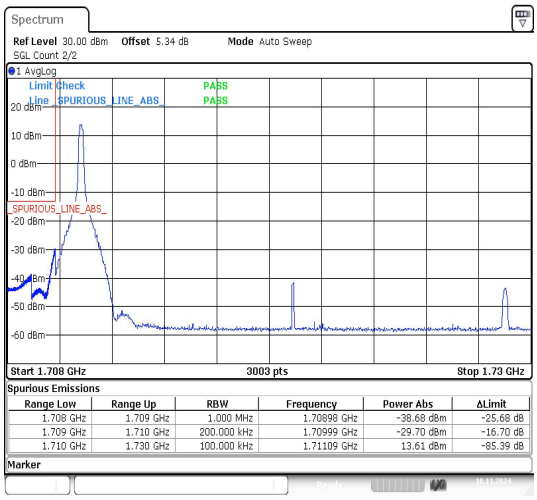
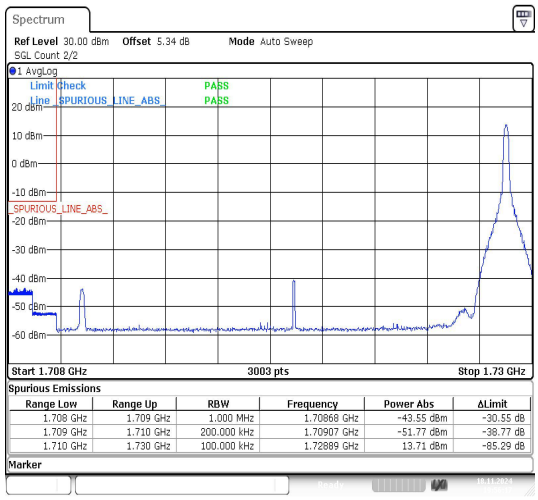


Band4_20MHz_QPSK_20050_1RB#0



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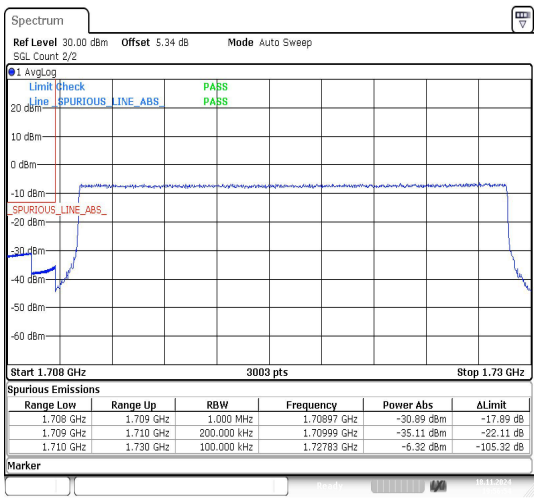

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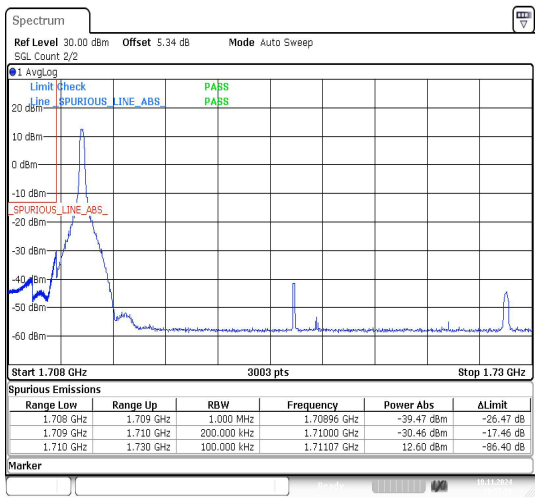
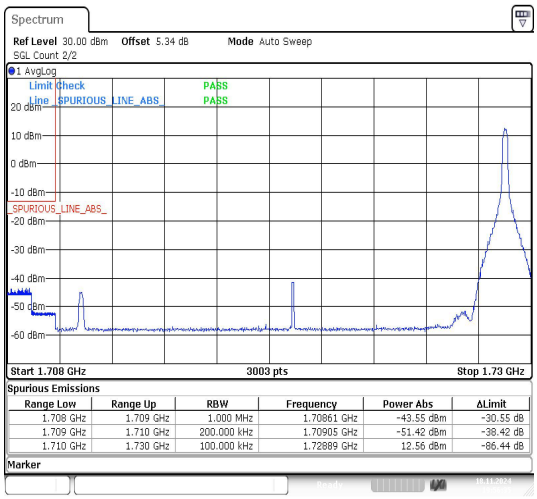


Band4_20MHz_16QAM_20050_1RB#0



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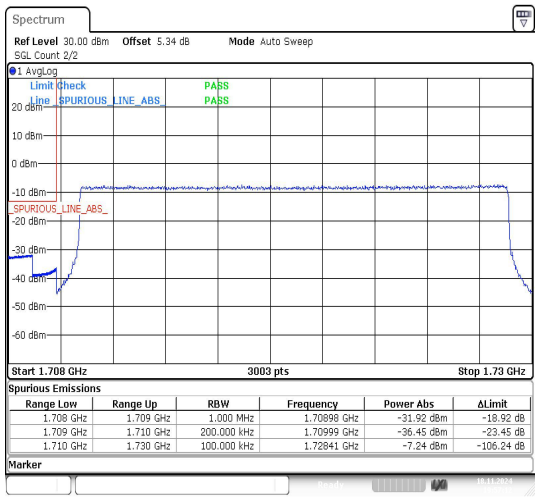

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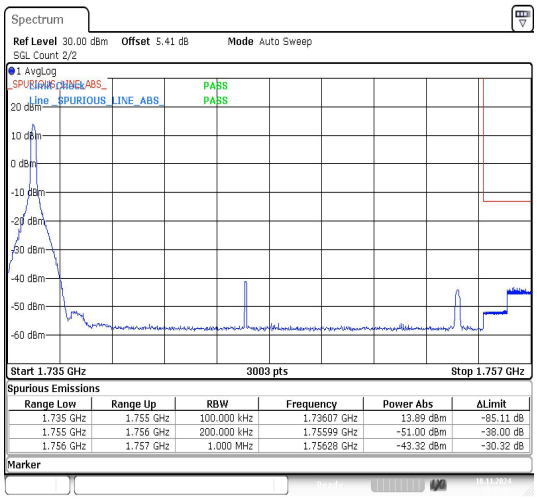

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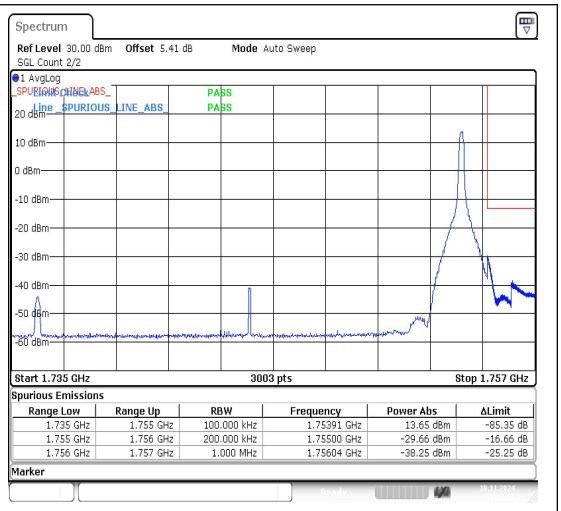

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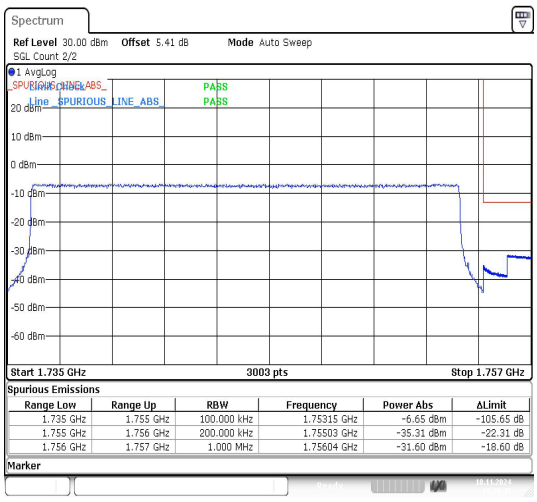

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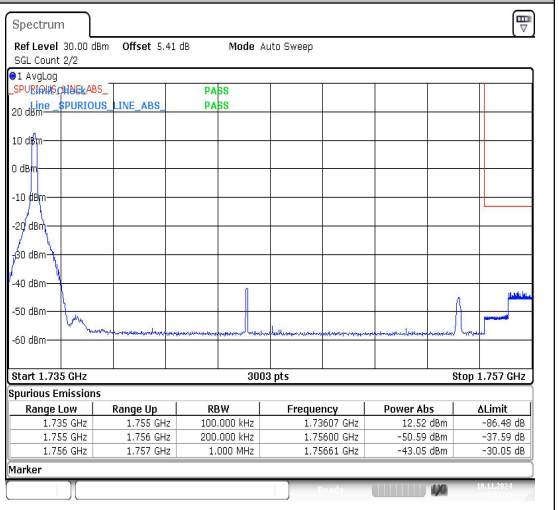

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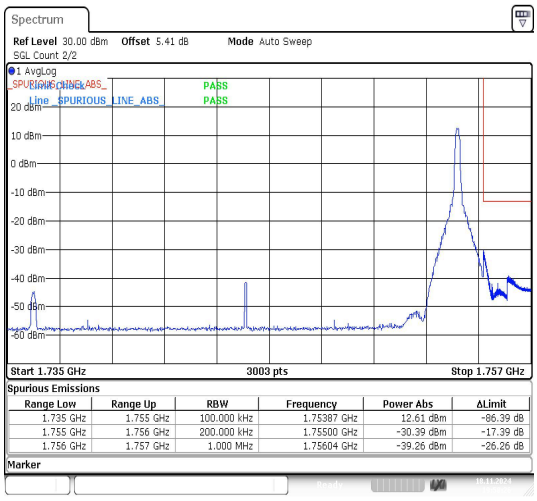
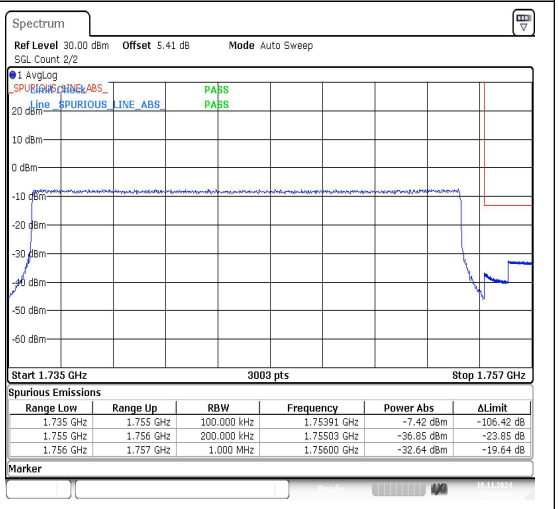


Band4_20MHz_16QAM_20300_1RB#99



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	-70.74	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	0.15~30	-75.31	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	30~1000	-67.62	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	1000~3000	-52.53	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	3000~20000	-37.06	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	0.009~0.15	-71.99	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	0.15~30	-73.87	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	30~1000	-67.85	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	1000~3000	-53.33	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	3000~20000	-37.14	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	0.009~0.15	-74.43	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	0.15~30	-76.13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	30~1000	-67.66	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	1000~3000	-51.29	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	3000~20000	-36.89	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	0.009~0.15	-71.76	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	0.15~30	-73.81	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	30~1000	-67.49	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	1000~3000	-52.12	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	3000~20000	-37.20	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	0.009~0.15	-72.54	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	0.15~30	-74.67	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	30~1000	-67.83	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	1000~3000	-53.50	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3000~20000	-37.20	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	0.009~0.15	-74.05	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	0.15~30	-74.63	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	30~1000	-67.78	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	1000~3000	-53.51	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	3000~20000	-37.16	PASS
Band4	3MHz	QPSK	19965	1RB#0	0.009~0.15	-72.09	PASS
Band4	3MHz	QPSK	19965	1RB#0	0.15~30	-74.71	PASS
Band4	3MHz	QPSK	19965	1RB#0	30~1000	-67.43	PASS
Band4	3MHz	QPSK	19965	1RB#0	1000~3000	-53.75	PASS
Band4	3MHz	QPSK	19965	1RB#0	3000~20000	-37.26	PASS

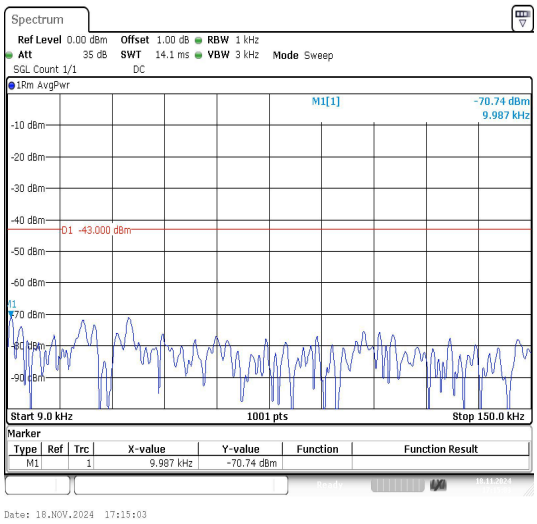
Band4	3MHz	16QAM	19965	1RB#0	0.009~0.15	-73.31	PASS
Band4	3MHz	16QAM	19965	1RB#0	0.15~30	-74.34	PASS
Band4	3MHz	16QAM	19965	1RB#0	30~1000	-67.65	PASS
Band4	3MHz	16QAM	19965	1RB#0	1000~3000	-53.94	PASS
Band4	3MHz	16QAM	19965	1RB#0	3000~20000	-37.10	PASS
Band4	3MHz	QPSK	20175	1RB#0	0.009~0.15	-71.62	PASS
Band4	3MHz	QPSK	20175	1RB#0	0.15~30	-74.71	PASS
Band4	3MHz	QPSK	20175	1RB#0	30~1000	-67.47	PASS
Band4	3MHz	QPSK	20175	1RB#0	1000~3000	-53.86	PASS
Band4	3MHz	QPSK	20175	1RB#0	3000~20000	-37.17	PASS
Band4	3MHz	16QAM	20175	1RB#0	0.009~0.15	-70.50	PASS
Band4	3MHz	16QAM	20175	1RB#0	0.15~30	-74.39	PASS
Band4	3MHz	16QAM	20175	1RB#0	30~1000	-67.64	PASS
Band4	3MHz	16QAM	20175	1RB#0	1000~3000	-53.75	PASS
Band4	3MHz	16QAM	20175	1RB#0	3000~20000	-37.10	PASS
Band4	3MHz	QPSK	20385	1RB#0	0.009~0.15	-72.94	PASS
Band4	3MHz	QPSK	20385	1RB#0	0.15~30	-75.63	PASS
Band4	3MHz	QPSK	20385	1RB#0	30~1000	-67.08	PASS
Band4	3MHz	QPSK	20385	1RB#0	1000~3000	-53.82	PASS
Band4	3MHz	QPSK	20385	1RB#0	3000~20000	-37.17	PASS
Band4	3MHz	16QAM	20385	1RB#0	0.009~0.15	-73.35	PASS
Band4	3MHz	16QAM	20385	1RB#0	0.15~30	-74.36	PASS
Band4	3MHz	16QAM	20385	1RB#0	30~1000	-67.65	PASS
Band4	3MHz	16QAM	20385	1RB#0	1000~3000	-53.67	PASS
Band4	3MHz	16QAM	20385	1RB#0	3000~20000	-37.06	PASS
Band4	5MHz	QPSK	19975	1RB#0	0.009~0.15	-68.95	PASS
Band4	5MHz	QPSK	19975	1RB#0	0.15~30	-74.90	PASS
Band4	5MHz	QPSK	19975	1RB#0	30~1000	-67.69	PASS
Band4	5MHz	QPSK	19975	1RB#0	1000~3000	-53.89	PASS
Band4	5MHz	QPSK	19975	1RB#0	3000~20000	-37.15	PASS
Band4	5MHz	16QAM	19975	1RB#0	0.009~0.15	-71.53	PASS
Band4	5MHz	16QAM	19975	1RB#0	0.15~30	-74.64	PASS
Band4	5MHz	16QAM	19975	1RB#0	30~1000	-67.69	PASS
Band4	5MHz	16QAM	19975	1RB#0	1000~3000	-53.84	PASS
Band4	5MHz	16QAM	19975	1RB#0	3000~20000	-37.02	PASS
Band4	5MHz	QPSK	20175	1RB#0	0.009~0.15	-72.49	PASS
Band4	5MHz	QPSK	20175	1RB#0	0.15~30	-74.18	PASS
Band4	5MHz	QPSK	20175	1RB#0	30~1000	-67.55	PASS
Band4	5MHz	QPSK	20175	1RB#0	1000~3000	-53.86	PASS
Band4	5MHz	QPSK	20175	1RB#0	3000~20000	-37.18	PASS
Band4	5MHz	16QAM	20175	1RB#0	0.009~0.15	-71.15	PASS
Band4	5MHz	16QAM	20175	1RB#0	0.15~30	-75.48	PASS

Band4	5MHz	16QAM	20175	1RB#0	30~1000	-67.20	PASS
Band4	5MHz	16QAM	20175	1RB#0	1000~3000	-53.82	PASS
Band4	5MHz	16QAM	20175	1RB#0	3000~20000	-37.04	PASS
Band4	5MHz	QPSK	20375	1RB#0	0.009~0.15	-73.47	PASS
Band4	5MHz	QPSK	20375	1RB#0	0.15~30	-75.32	PASS
Band4	5MHz	QPSK	20375	1RB#0	30~1000	-67.70	PASS
Band4	5MHz	QPSK	20375	1RB#0	1000~3000	-53.75	PASS
Band4	5MHz	QPSK	20375	1RB#0	3000~20000	-37.15	PASS
Band4	5MHz	16QAM	20375	1RB#0	0.009~0.15	-73.04	PASS
Band4	5MHz	16QAM	20375	1RB#0	0.15~30	-76.01	PASS
Band4	5MHz	16QAM	20375	1RB#0	30~1000	-67.83	PASS
Band4	5MHz	16QAM	20375	1RB#0	1000~3000	-53.71	PASS
Band4	5MHz	16QAM	20375	1RB#0	3000~20000	-37.20	PASS
Band4	10MHz	QPSK	20000	1RB#0	0.009~0.15	-73.32	PASS
Band4	10MHz	QPSK	20000	1RB#0	0.15~30	-74.96	PASS
Band4	10MHz	QPSK	20000	1RB#0	30~1000	-67.61	PASS
Band4	10MHz	QPSK	20000	1RB#0	1000~3000	-53.82	PASS
Band4	10MHz	QPSK	20000	1RB#0	3000~20000	-37.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	0.009~0.15	-72.30	PASS
Band4	10MHz	16QAM	20000	1RB#0	0.15~30	-74.78	PASS
Band4	10MHz	16QAM	20000	1RB#0	30~1000	-67.69	PASS
Band4	10MHz	16QAM	20000	1RB#0	1000~3000	-53.84	PASS
Band4	10MHz	16QAM	20000	1RB#0	3000~20000	-36.82	PASS
Band4	10MHz	QPSK	20175	1RB#0	0.009~0.15	-71.32	PASS
Band4	10MHz	QPSK	20175	1RB#0	0.15~30	-75.59	PASS
Band4	10MHz	QPSK	20175	1RB#0	30~1000	-67.49	PASS
Band4	10MHz	QPSK	20175	1RB#0	1000~3000	-53.88	PASS
Band4	10MHz	QPSK	20175	1RB#0	3000~20000	-37.15	PASS
Band4	10MHz	16QAM	20175	1RB#0	0.009~0.15	-74.80	PASS
Band4	10MHz	16QAM	20175	1RB#0	0.15~30	-74.87	PASS
Band4	10MHz	16QAM	20175	1RB#0	30~1000	-67.14	PASS
Band4	10MHz	16QAM	20175	1RB#0	1000~3000	-53.82	PASS
Band4	10MHz	16QAM	20175	1RB#0	3000~20000	-37.06	PASS
Band4	10MHz	QPSK	20350	1RB#0	0.009~0.15	-73.47	PASS
Band4	10MHz	QPSK	20350	1RB#0	0.15~30	-74.75	PASS
Band4	10MHz	QPSK	20350	1RB#0	30~1000	-67.27	PASS
Band4	10MHz	QPSK	20350	1RB#0	1000~3000	-53.78	PASS
Band4	10MHz	QPSK	20350	1RB#0	3000~20000	-37.10	PASS
Band4	10MHz	16QAM	20350	1RB#0	0.009~0.15	-72.21	PASS
Band4	10MHz	16QAM	20350	1RB#0	0.15~30	-74.60	PASS
Band4	10MHz	16QAM	20350	1RB#0	30~1000	-67.78	PASS
Band4	10MHz	16QAM	20350	1RB#0	1000~3000	-53.81	PASS

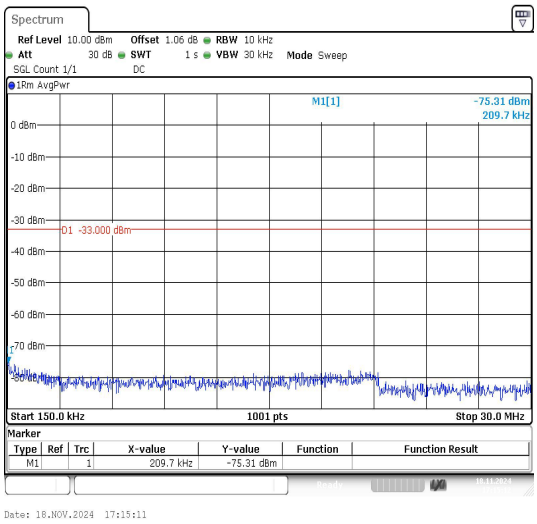
Band4	10MHz	16QAM	20350	1RB#0	3000~20000	-36.97	PASS
Band4	15MHz	QPSK	20025	1RB#0	0.009~0.15	-70.72	PASS
Band4	15MHz	QPSK	20025	1RB#0	0.15~30	-74.78	PASS
Band4	15MHz	QPSK	20025	1RB#0	30~1000	-67.67	PASS
Band4	15MHz	QPSK	20025	1RB#0	1000~3000	-53.87	PASS
Band4	15MHz	QPSK	20025	1RB#0	3000~20000	-37.15	PASS
Band4	15MHz	16QAM	20025	1RB#0	0.009~0.15	-73.71	PASS
Band4	15MHz	16QAM	20025	1RB#0	0.15~30	-72.81	PASS
Band4	15MHz	16QAM	20025	1RB#0	30~1000	-67.27	PASS
Band4	15MHz	16QAM	20025	1RB#0	1000~3000	-53.94	PASS
Band4	15MHz	16QAM	20025	1RB#0	3000~20000	-37.19	PASS
Band4	15MHz	QPSK	20175	1RB#0	0.009~0.15	-71.05	PASS
Band4	15MHz	QPSK	20175	1RB#0	0.15~30	-76.12	PASS
Band4	15MHz	QPSK	20175	1RB#0	30~1000	-67.06	PASS
Band4	15MHz	QPSK	20175	1RB#0	1000~3000	-53.89	PASS
Band4	15MHz	QPSK	20175	1RB#0	3000~20000	-37.09	PASS
Band4	15MHz	16QAM	20175	1RB#0	0.009~0.15	-70.38	PASS
Band4	15MHz	16QAM	20175	1RB#0	0.15~30	-73.44	PASS
Band4	15MHz	16QAM	20175	1RB#0	30~1000	-67.48	PASS
Band4	15MHz	16QAM	20175	1RB#0	1000~3000	-53.86	PASS
Band4	15MHz	16QAM	20175	1RB#0	3000~20000	-37.09	PASS
Band4	15MHz	QPSK	20325	1RB#0	0.009~0.15	-69.32	PASS
Band4	15MHz	QPSK	20325	1RB#0	0.15~30	-75.57	PASS
Band4	15MHz	QPSK	20325	1RB#0	30~1000	-67.74	PASS
Band4	15MHz	QPSK	20325	1RB#0	1000~3000	-53.91	PASS
Band4	15MHz	QPSK	20325	1RB#0	3000~20000	-37.13	PASS
Band4	15MHz	16QAM	20325	1RB#0	0.009~0.15	-73.77	PASS
Band4	15MHz	16QAM	20325	1RB#0	0.15~30	-74.28	PASS
Band4	15MHz	16QAM	20325	1RB#0	30~1000	-67.62	PASS
Band4	15MHz	16QAM	20325	1RB#0	1000~3000	-53.87	PASS
Band4	15MHz	16QAM	20325	1RB#0	3000~20000	-37.12	PASS
Band4	20MHz	QPSK	20050	1RB#0	0.009~0.15	-70.82	PASS
Band4	20MHz	QPSK	20050	1RB#0	0.15~30	-75.17	PASS
Band4	20MHz	QPSK	20050	1RB#0	30~1000	-67.52	PASS
Band4	20MHz	QPSK	20050	1RB#0	1000~3000	-53.86	PASS
Band4	20MHz	QPSK	20050	1RB#0	3000~20000	-37.18	PASS
Band4	20MHz	16QAM	20050	1RB#0	0.009~0.15	-73.26	PASS
Band4	20MHz	16QAM	20050	1RB#0	0.15~30	-74.76	PASS
Band4	20MHz	16QAM	20050	1RB#0	30~1000	-67.58	PASS
Band4	20MHz	16QAM	20050	1RB#0	1000~3000	-53.83	PASS
Band4	20MHz	16QAM	20050	1RB#0	3000~20000	-37.15	PASS
Band4	20MHz	QPSK	20175	1RB#0	0.009~0.15	-73.94	PASS

Band4	20MHz	QPSK	20175	1RB#0	0.15~30	-72.76	PASS
Band4	20MHz	QPSK	20175	1RB#0	30~1000	-67.41	PASS
Band4	20MHz	QPSK	20175	1RB#0	1000~3000	-53.81	PASS
Band4	20MHz	QPSK	20175	1RB#0	3000~20000	-37.17	PASS
Band4	20MHz	16QAM	20175	1RB#0	0.009~0.15	-69.52	PASS
Band4	20MHz	16QAM	20175	1RB#0	0.15~30	-75.07	PASS
Band4	20MHz	16QAM	20175	1RB#0	30~1000	-67.62	PASS
Band4	20MHz	16QAM	20175	1RB#0	1000~3000	-53.66	PASS
Band4	20MHz	16QAM	20175	1RB#0	3000~20000	-37.12	PASS
Band4	20MHz	QPSK	20300	1RB#0	0.009~0.15	-72.81	PASS
Band4	20MHz	QPSK	20300	1RB#0	0.15~30	-75.03	PASS
Band4	20MHz	QPSK	20300	1RB#0	30~1000	-67.81	PASS
Band4	20MHz	QPSK	20300	1RB#0	1000~3000	-53.87	PASS
Band4	20MHz	QPSK	20300	1RB#0	3000~20000	-37.09	PASS
Band4	20MHz	16QAM	20300	1RB#0	0.009~0.15	-72.71	PASS
Band4	20MHz	16QAM	20300	1RB#0	0.15~30	-75.94	PASS
Band4	20MHz	16QAM	20300	1RB#0	30~1000	-67.61	PASS
Band4	20MHz	16QAM	20300	1RB#0	1000~3000	-53.84	PASS
Band4	20MHz	16QAM	20300	1RB#0	3000~20000	-36.96	PASS

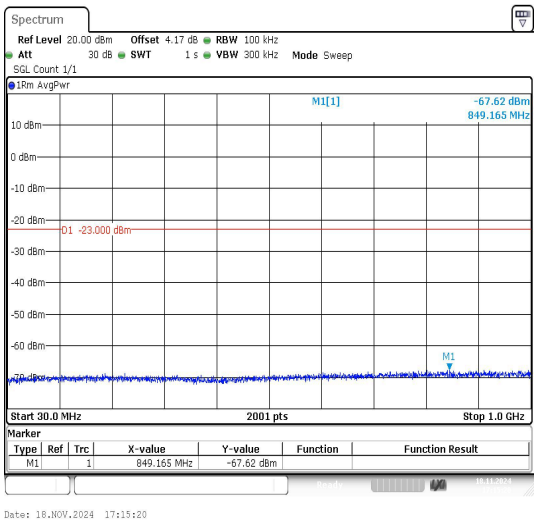
Test Graphs



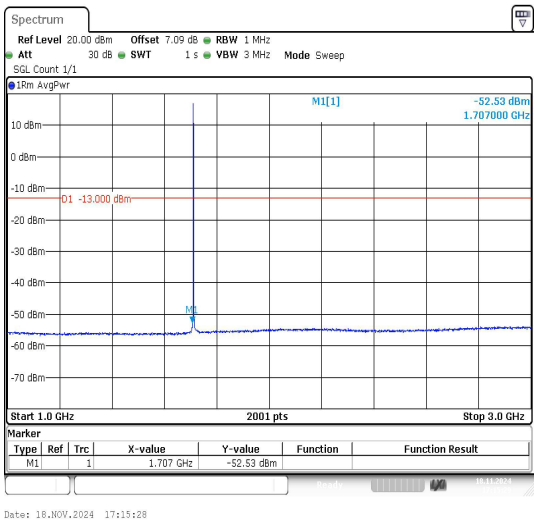
Band4_1.4MHz_QPSK_19957_1RB#0_0.009~0.15_0.009~0.15



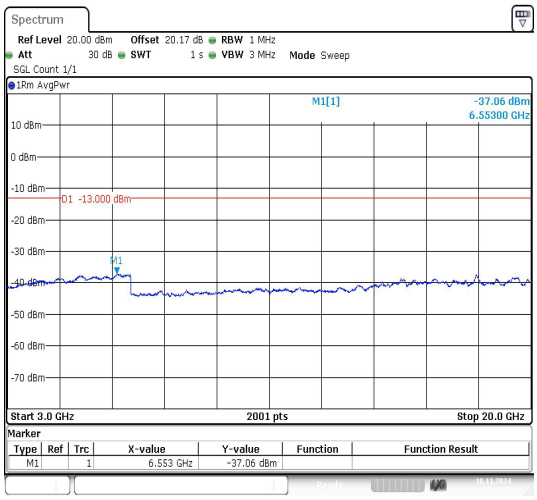
Band4_1.4MHz_QPSK_19957_1RB#0_0.15~30_0.15~30

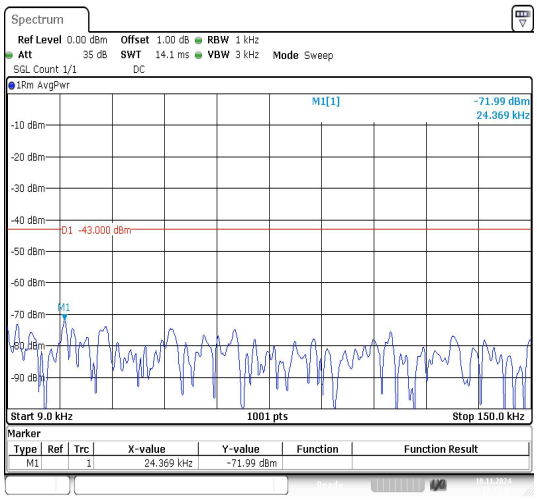


Band4_1.4MHz_QPSK_19957_1RB#0_30~1000_30~1000



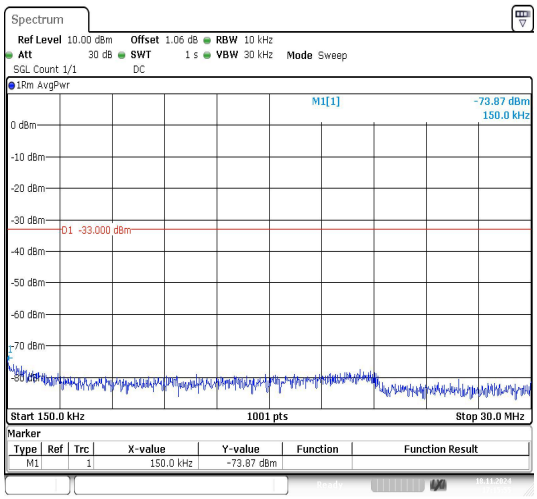
Band4_1.4MHz_QPSK_19957_1RB#0_1000~3000_1000~3000

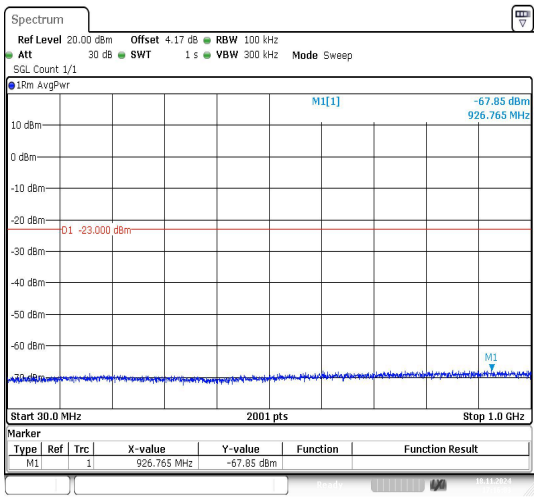




Band4_1.4MHz_QPSK_19957_1RB#0_3000~20000_3000~20000

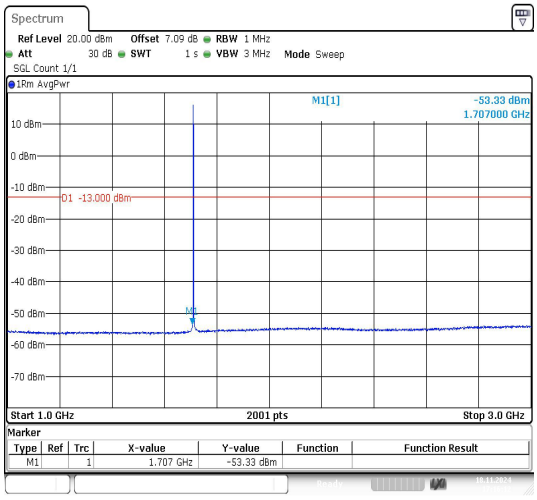
Band4_1.4MHz_16QAM_19957_1RB#0_0.009~0.15_0.009~0.15

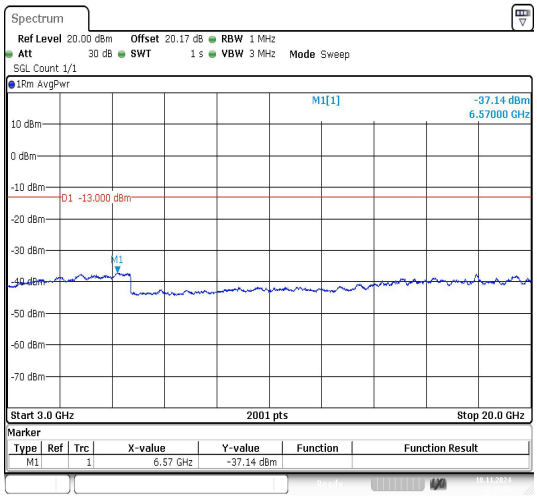


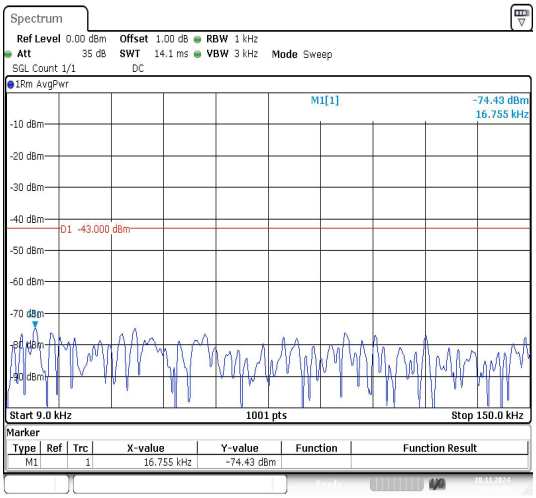
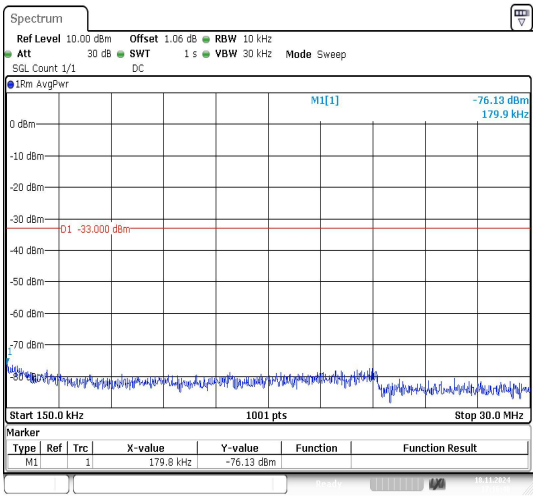
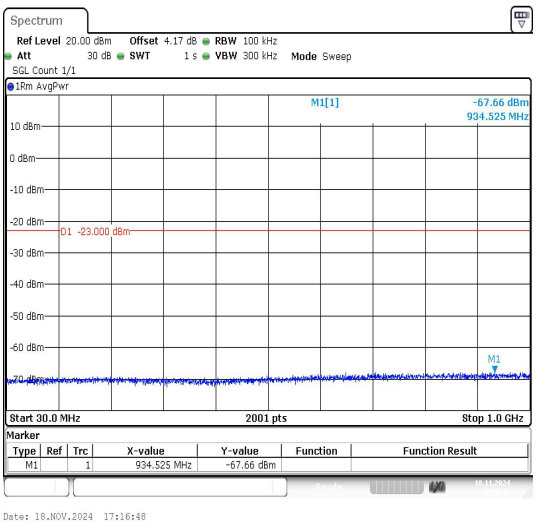
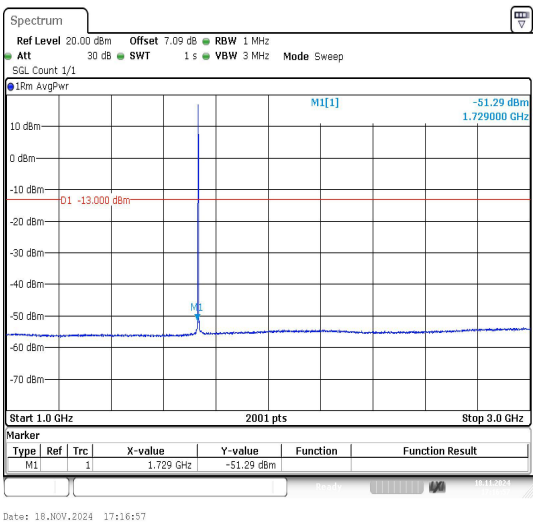


Band4_1.4MHz_16QAM_19957_1RB#0_0.15~30_0.15~30

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