

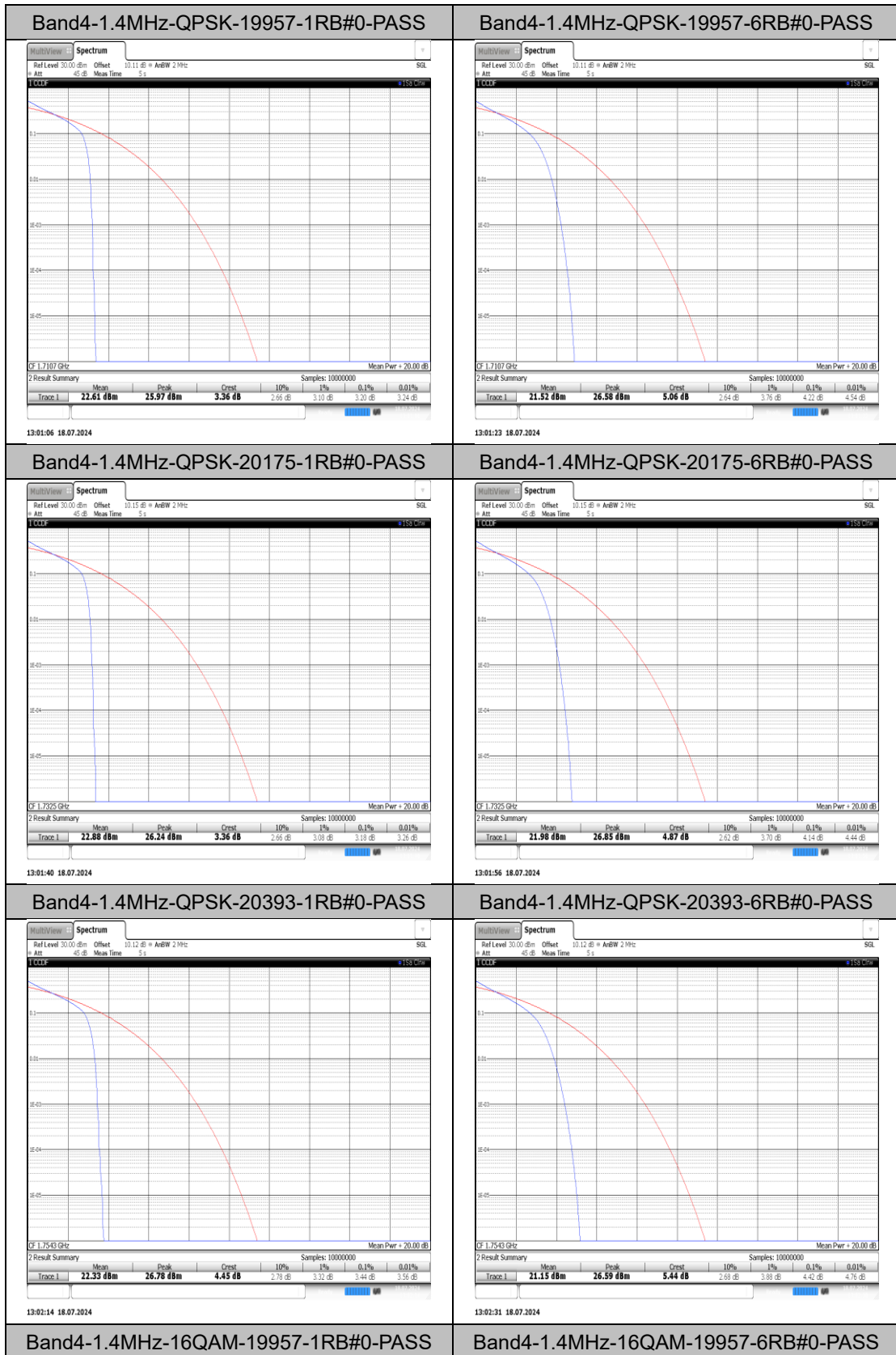
Appendix A: Peak-to-Average Ratio(CCDF)

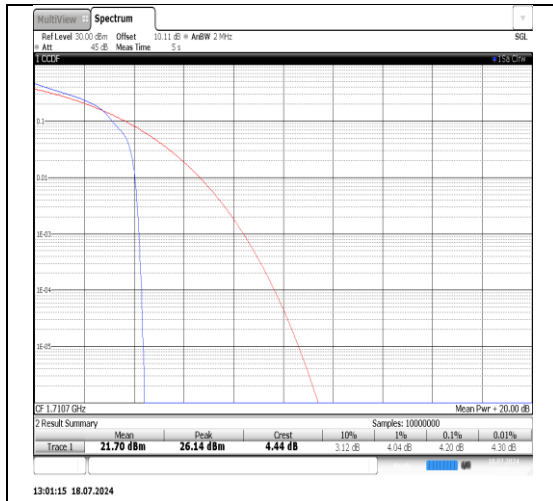
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	3.20	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.22	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	3.18	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.14	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3.44	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.42	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	4.20	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.02	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	4.16	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	4.94	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	4.56	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.22	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	3.20	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.46	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	3.22	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.38	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	3.54	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.58	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	4.22	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.22	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	4.26	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.14	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	4.58	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.36	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	3.14	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.44	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	3.18	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.34	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	3.38	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.52	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	4.16	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.20	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	4.14	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.12	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	4.40	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.34	13	PASS

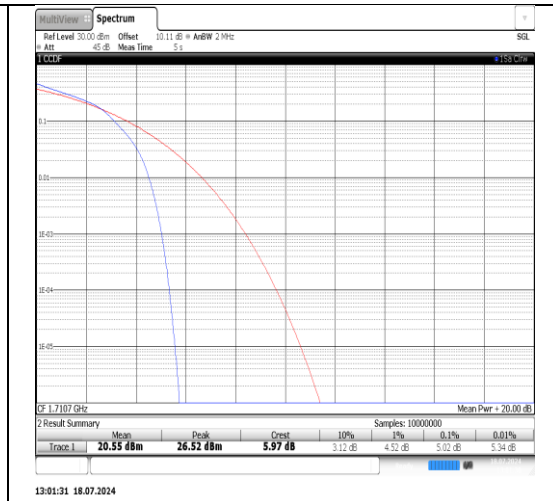
Band4	10MHz	QPSK	20000	1RB#0	3.20	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	4.56	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	3.20	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.38	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	3.24	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.60	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	4.20	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	4.24	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	4.34	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	3.18	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	4.70	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	3.24	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	4.38	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	3.16	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.70	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	4.16	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	4.24	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	4.26	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	3.18	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	4.56	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	3.24	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.36	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	3.32	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.62	13	PASS

Test Graphs

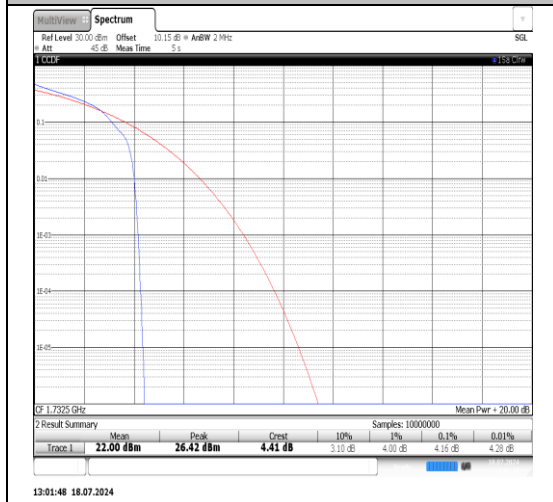




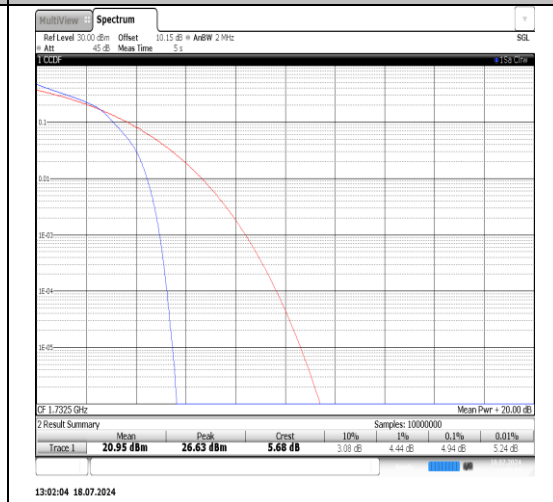
Band4-1.4MHz-16QAM-20175-1RB#0-PASS



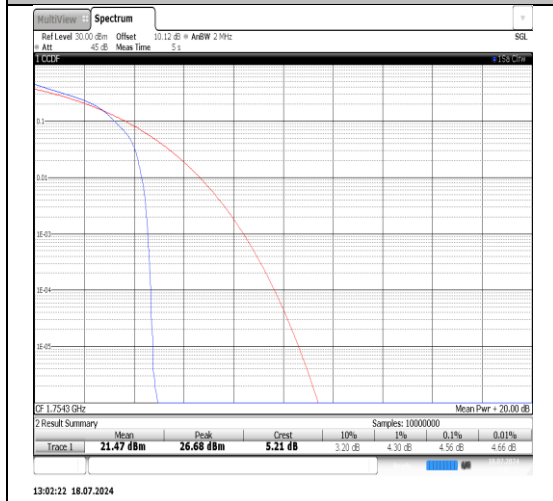
Band4-1.4MHz-16QAM-20175-6RB#0-PASS



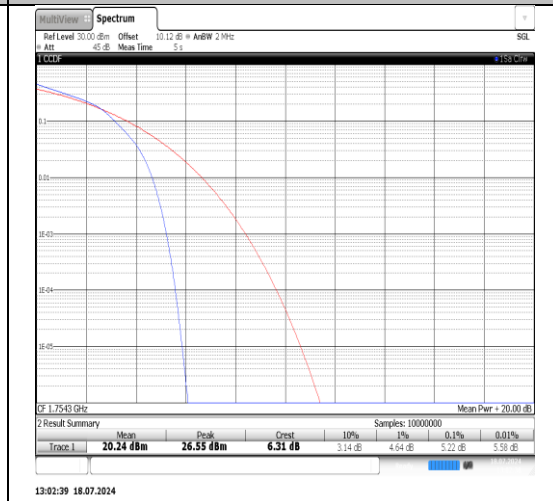
Band4-1.4MHz-16QAM-20393-1RB#0-PASS



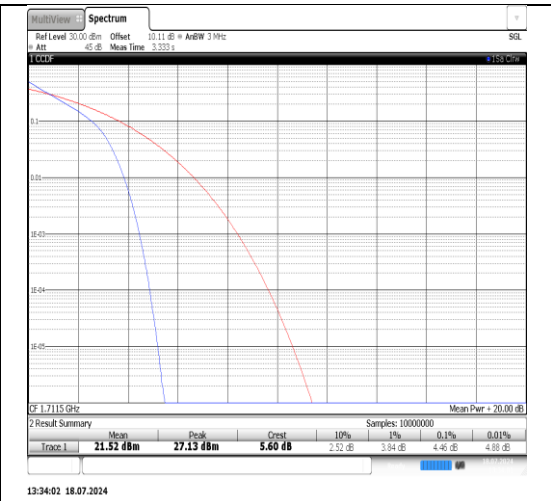
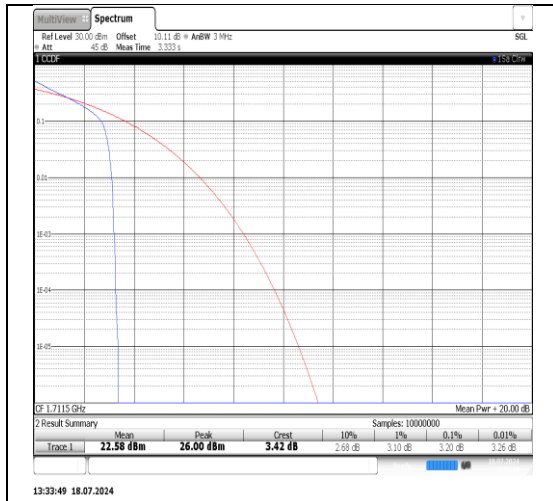
Band4-1.4MHz-16QAM-20393-6RB#0-PASS



Band4-3MHz-QPSK-19965-1RB#0-PASS

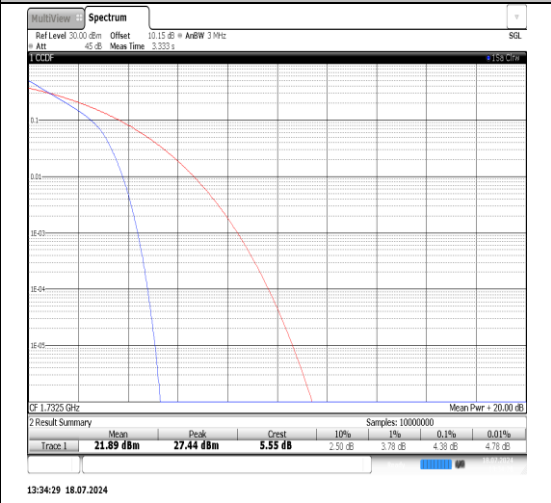
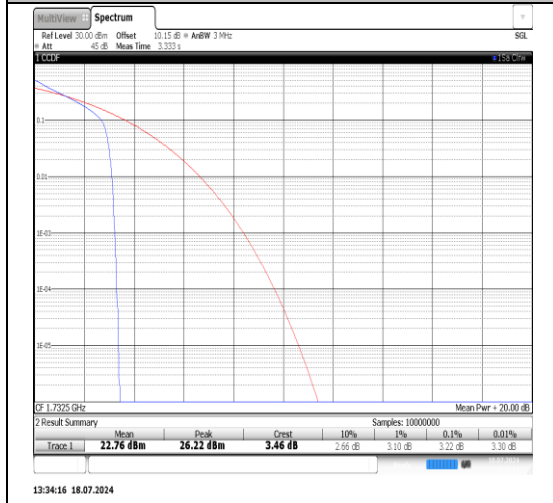


Band4-3MHz-QPSK-19965-15RB#0-PASS



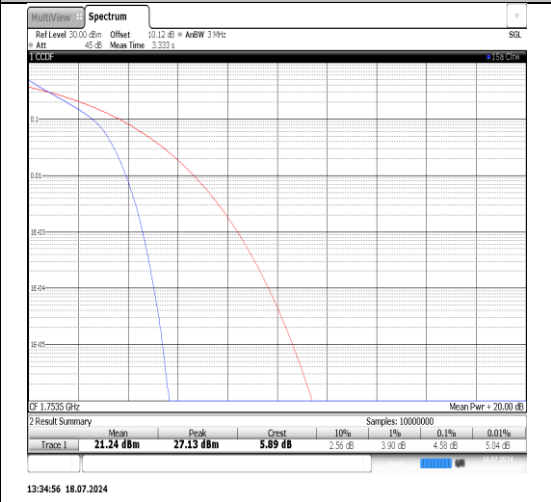
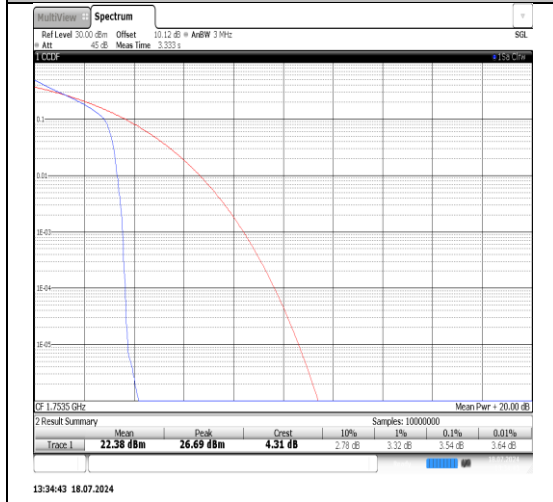
Band4-3MHz-QPSK-20175-1RB#0-PASS

Band4-3MHz-QPSK-20175-15RB#0-PASS



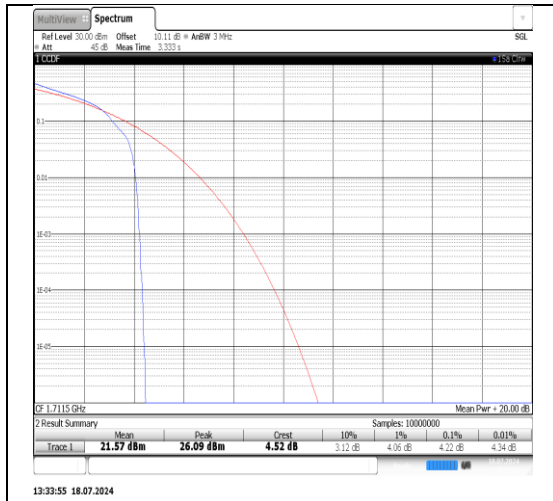
Band4-3MHz-QPSK-20385-1RB#0-PASS

Band4-3MHz-QPSK-20385-15RB#0-PASS

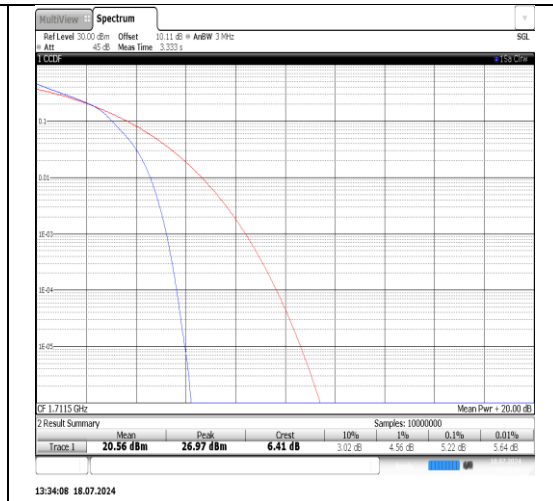


Band4-3MHz-16QAM-19965-1RB#0-PASS

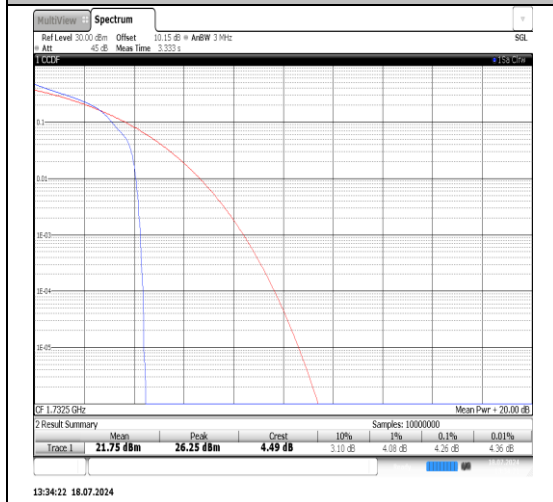
Band4-3MHz-16QAM-19965-15RB#0-PASS



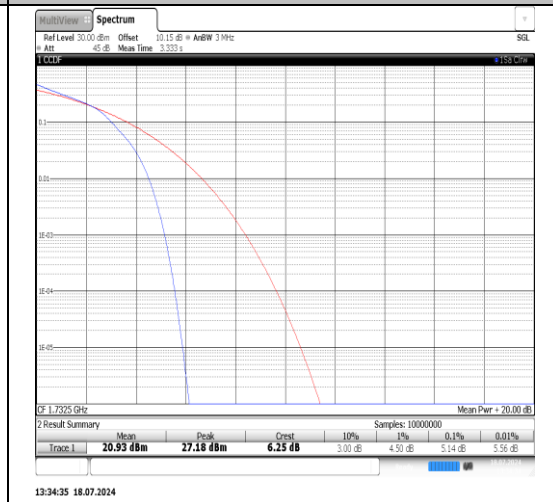
Band4-3MHz-16QAM-20175-1RB#0-PASS



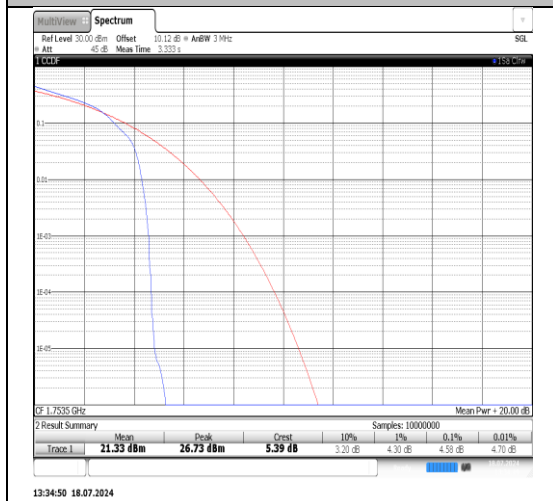
Band4-3MHz-16QAM-20175-15RB#0-PASS



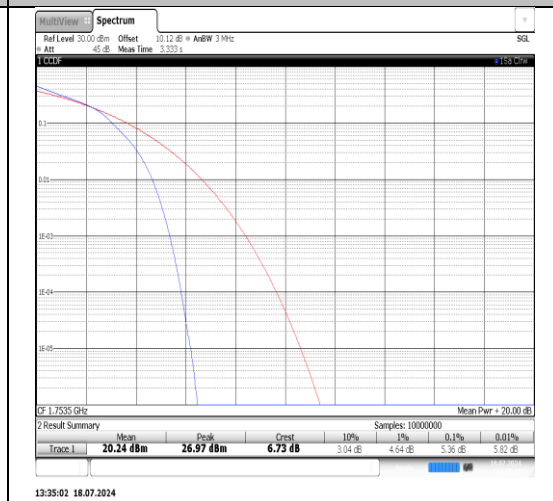
Band4-3MHz-16QAM-20385-1RB#0-PASS



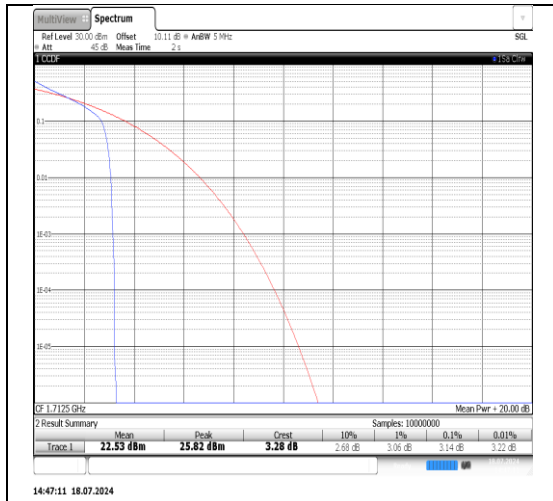
Band4-3MHz-16QAM-20385-15RB#0-PASS



Band4-5MHz-QPSK-19975-1RB#0-PASS

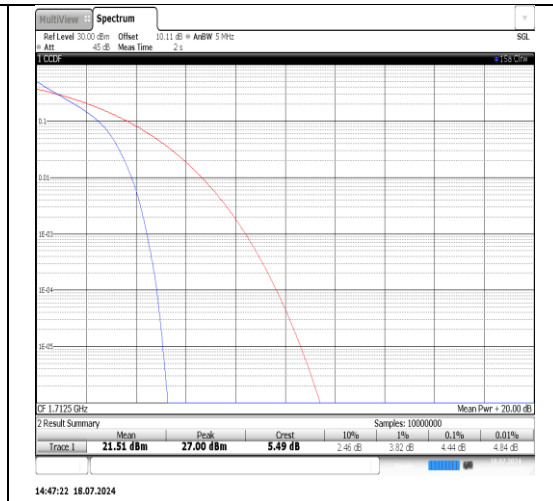


Band4-5MHz-QPSK-19975-25RB#0-PASS



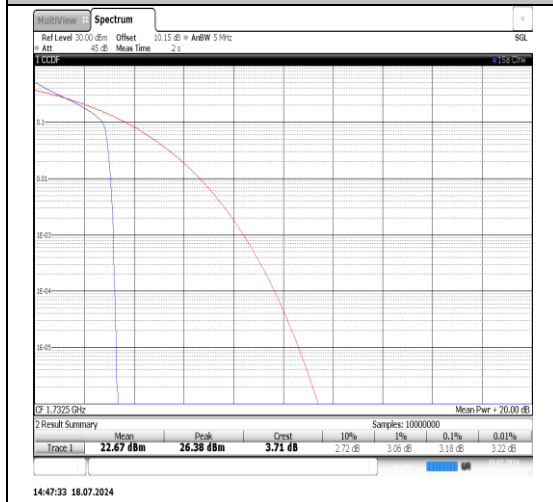
14:47:11 18.07.2024

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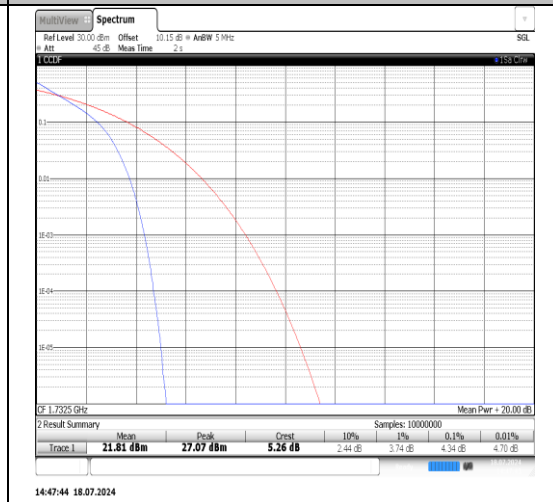
14:47:22 18.07.2024

Band4-5MHz-QPSK-20175-25RB#0-PASS



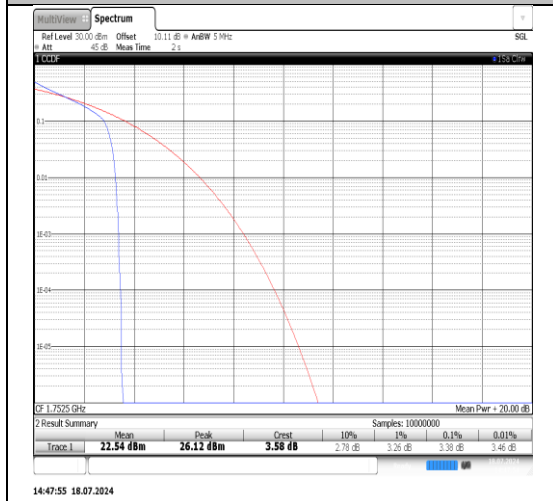
14:47:33 18.07.2024

Band4-5MHz-QPSK-20375-1RB#0-PASS



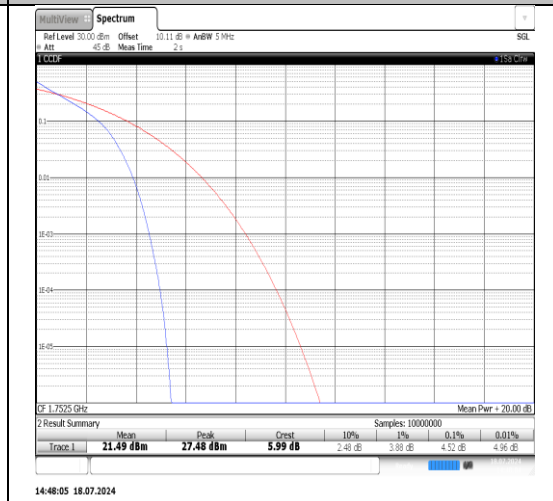
14:47:44 18.07.2024

Band4-5MHz-QPSK-20375-25RB#0-PASS



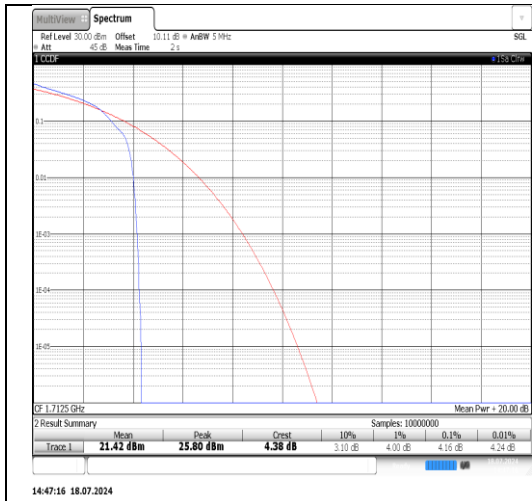
14:47:55 18.07.2024

Band4-5MHz-16QAM-19975-1RB#0-PASS



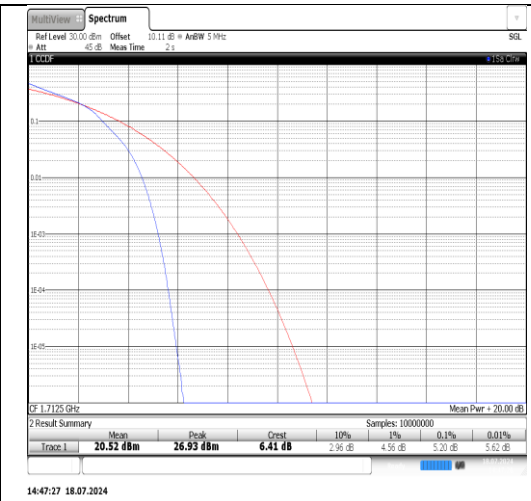
14:48:05 18.07.2024

Band4-5MHz-16QAM-19975-25RB#0-PASS



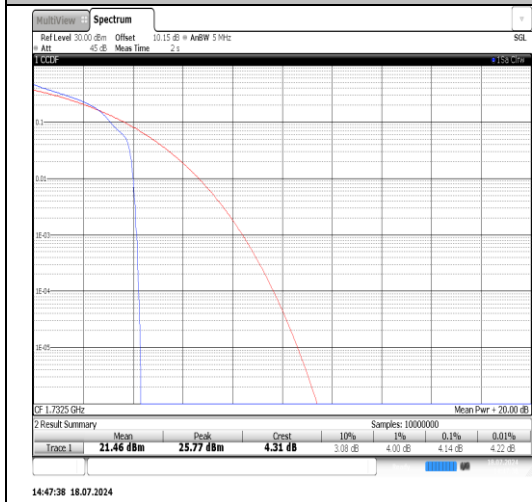
14:47:16 18.07.2024

Band4-5MHz-16QAM-20175-1RB#0-PASS



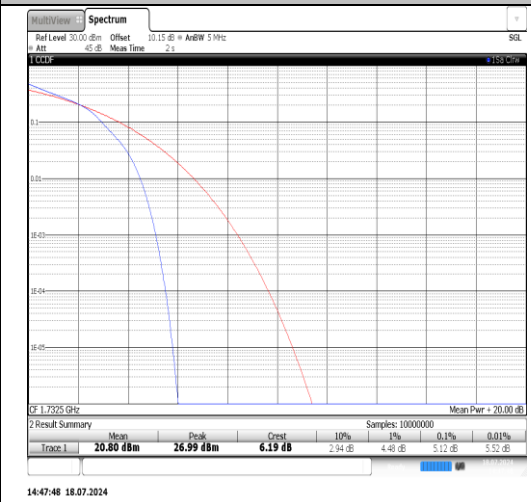
14:47:27 18.07.2024

Band4-5MHz-16QAM-20175-25RB#0-PASS



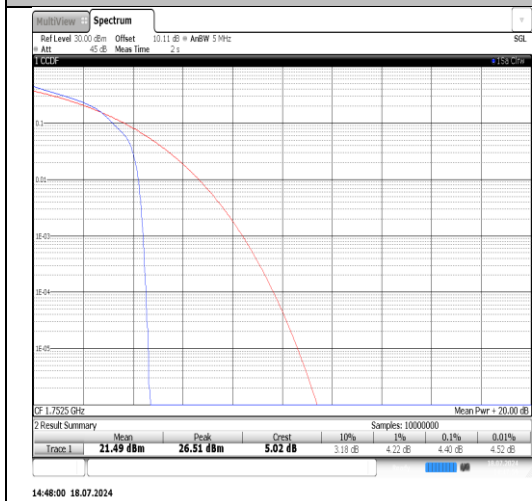
14:47:38 18.07.2024

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



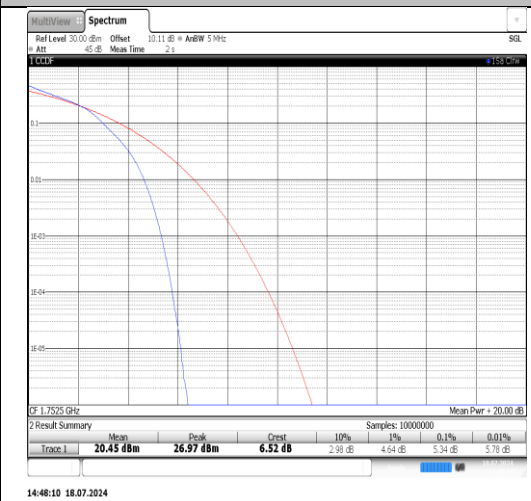
14:47:48 18.07.2024

Band4-5MHz-16QAM-20375-25RB#0-PASS



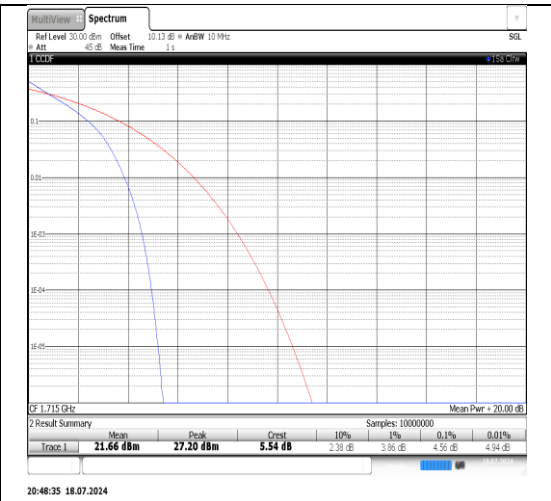
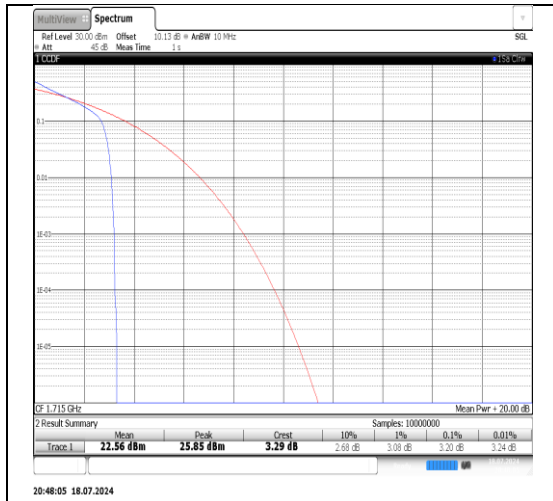
14:48:00 18.07.2024

Band4-10MHz-QPSK-20000-1RB#0-PASS



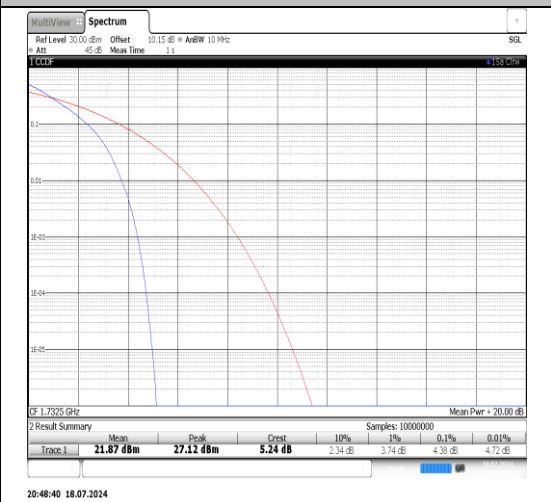
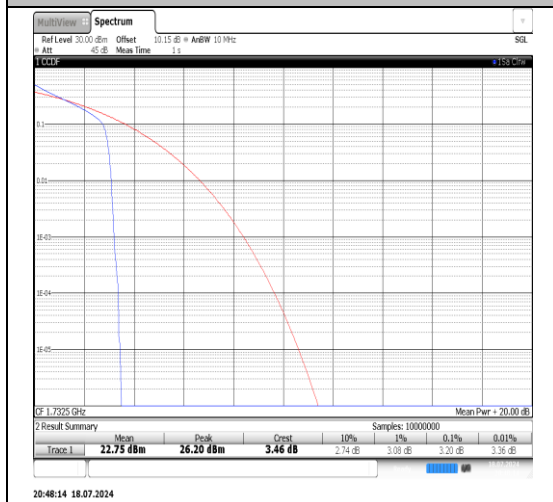
14:48:10 18.07.2024

Band4-10MHz-QPSK-20000-50RB#0-PASS



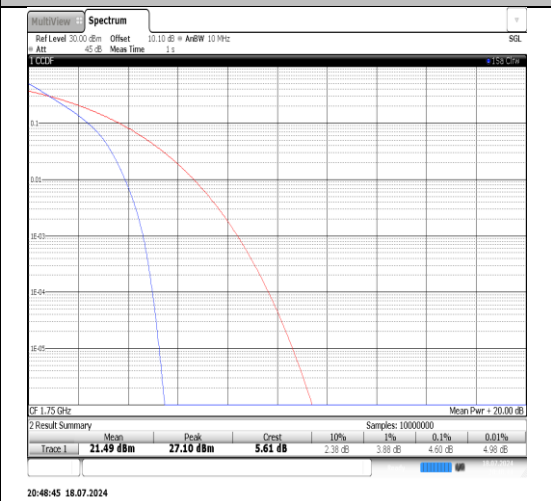
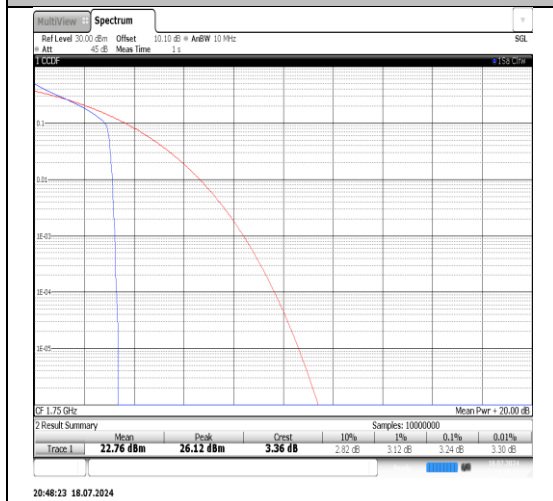
Band4-10MHz-QPSK-20175-1RB#0-PASS

Band4-10MHz-QPSK-20175-50RB#0-PASS



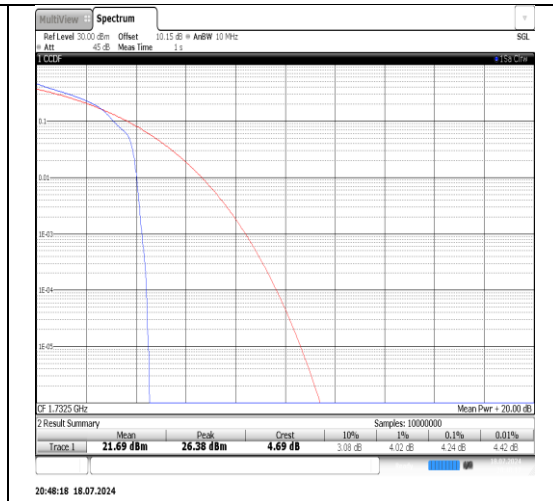
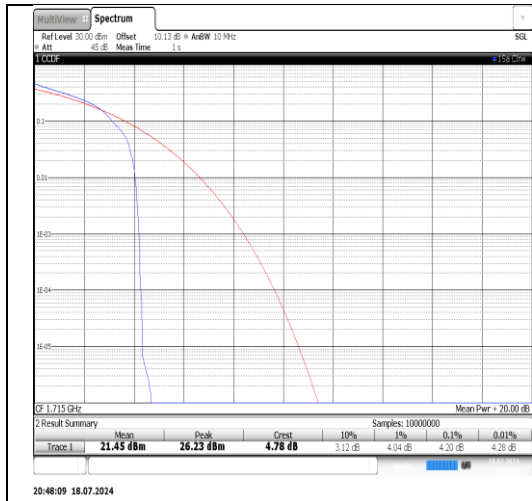
Band4-10MHz-QPSK-20350-1RB#0-PASS

Band4-10MHz-QPSK-20350-50RB#0-PASS



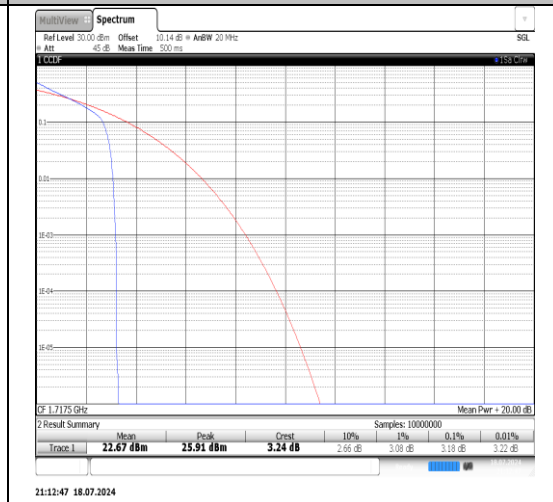
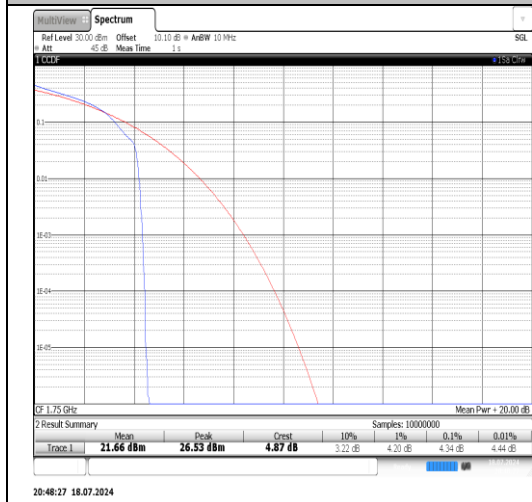
Band4-10MHz-16QAM-20000-1RB#0-PASS

Band4-10MHz-16QAM-20175-1RB#0-PASS



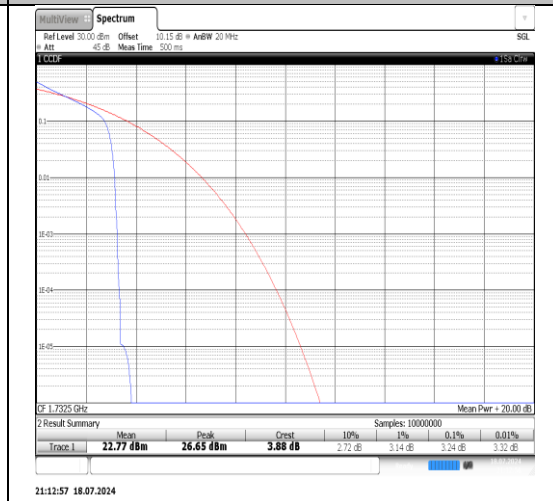
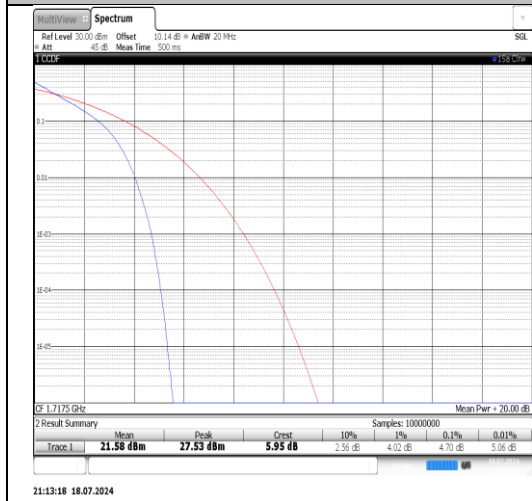
Band4-10MHz-16QAM-20350-1RB#0-PASS

Band4-15MHz-QPSK-20025-1RB#0-PASS



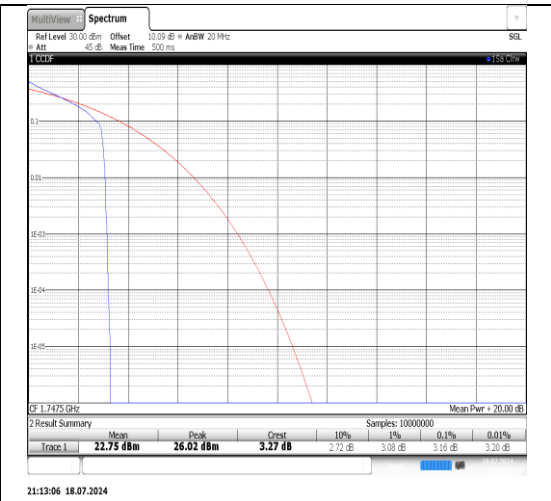
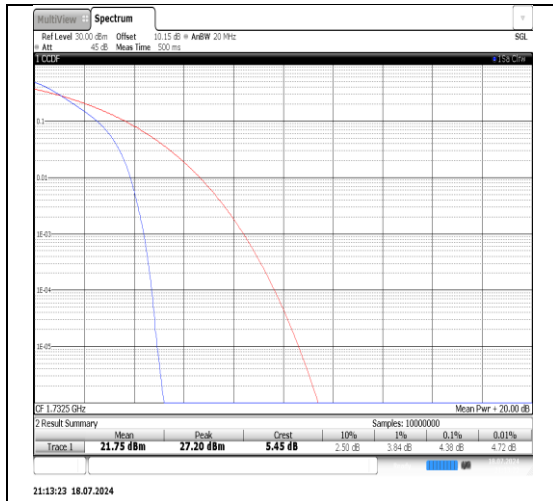
Band4-15MHz-QPSK-20025-75RB#0-PASS

Band4-15MHz-QPSK-20175-1RB#0-PASS



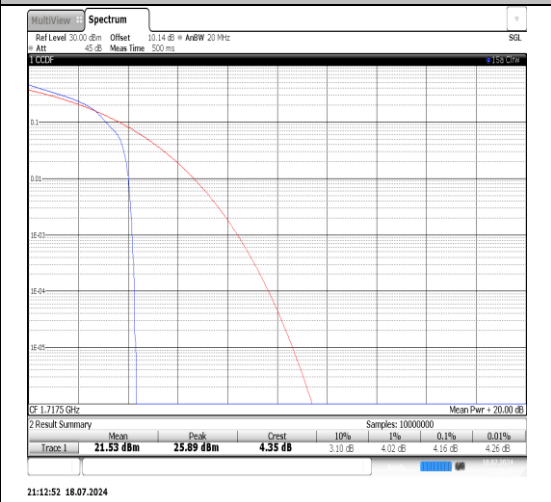
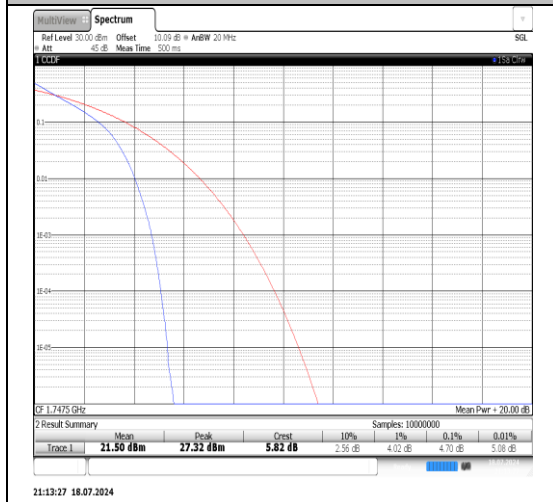
Band4-15MHz-QPSK-20175-75RB#0-PASS

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



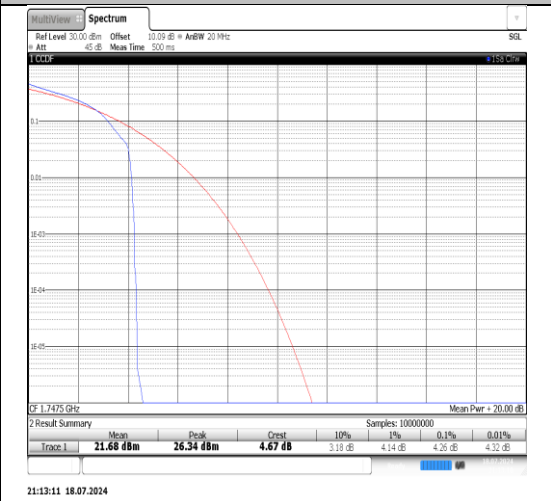
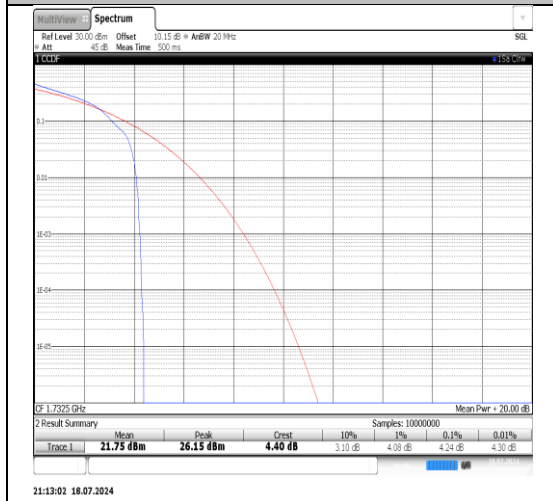
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Band4-15MHz-16QAM-20025-1RB#0-PASS



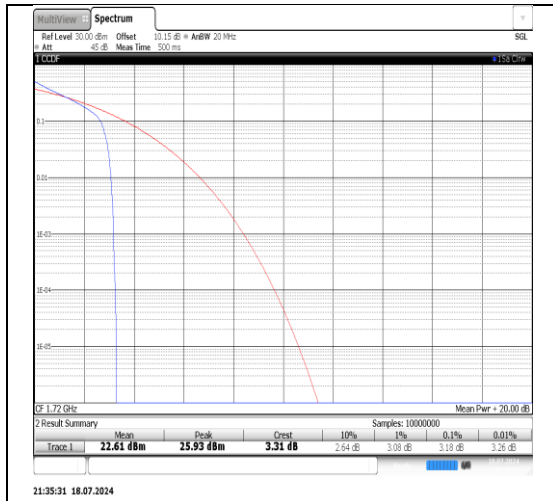
Band4-15MHz-16QAM-20175-1RB#0-PASS

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

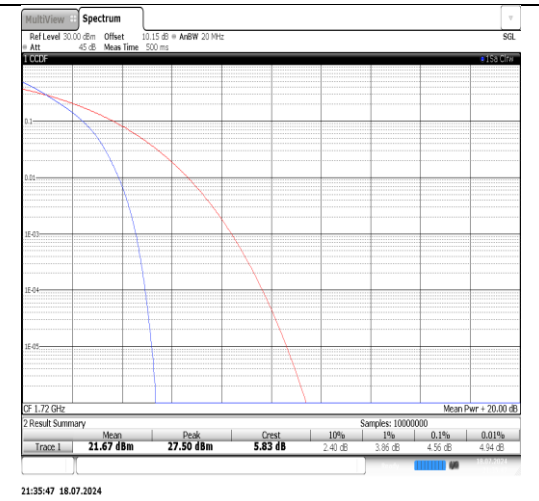


Band4-20MHz-QPSK-20050-1RB#0-PASS

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



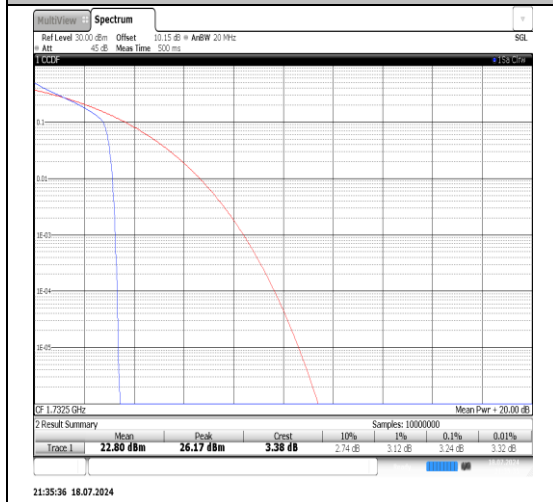
21:35:31 18.07.2024



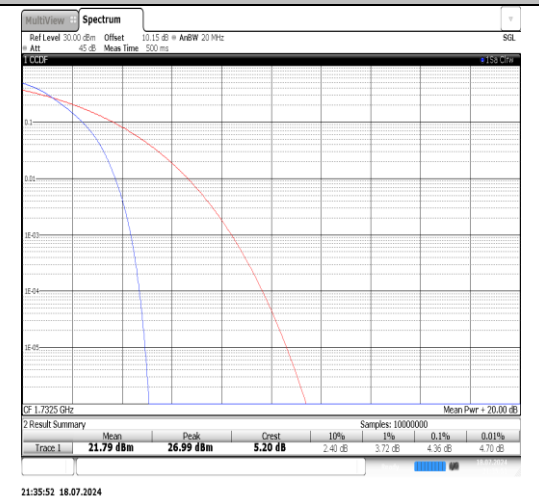
21:35:47 18.07.2024

Band4-20MHz-QPSK-20175-1RB#0-PASS

Band4-20MHz-QPSK-20175-100RB#0-PASS



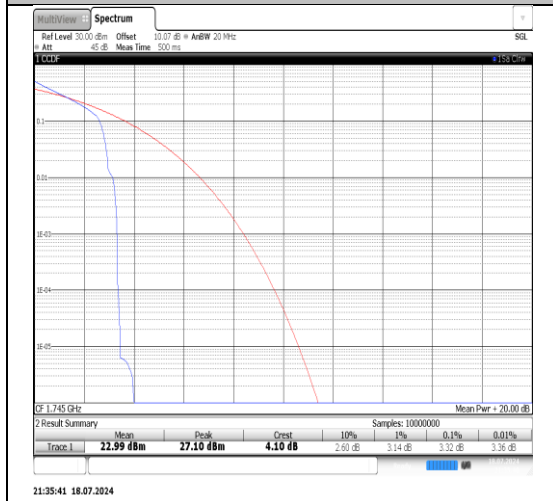
21:35:36 18.07.2024



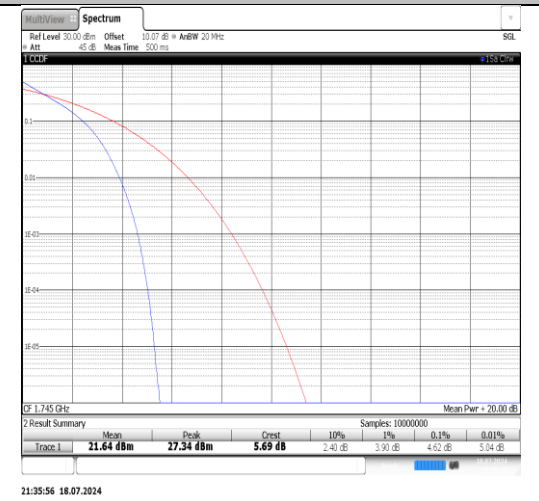
21:35:52 18.07.2024

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

Band4-20MHz-QPSK-20300-100RB#0-PASS



21:35:41 18.07.2024



21:35:56 18.07.2024

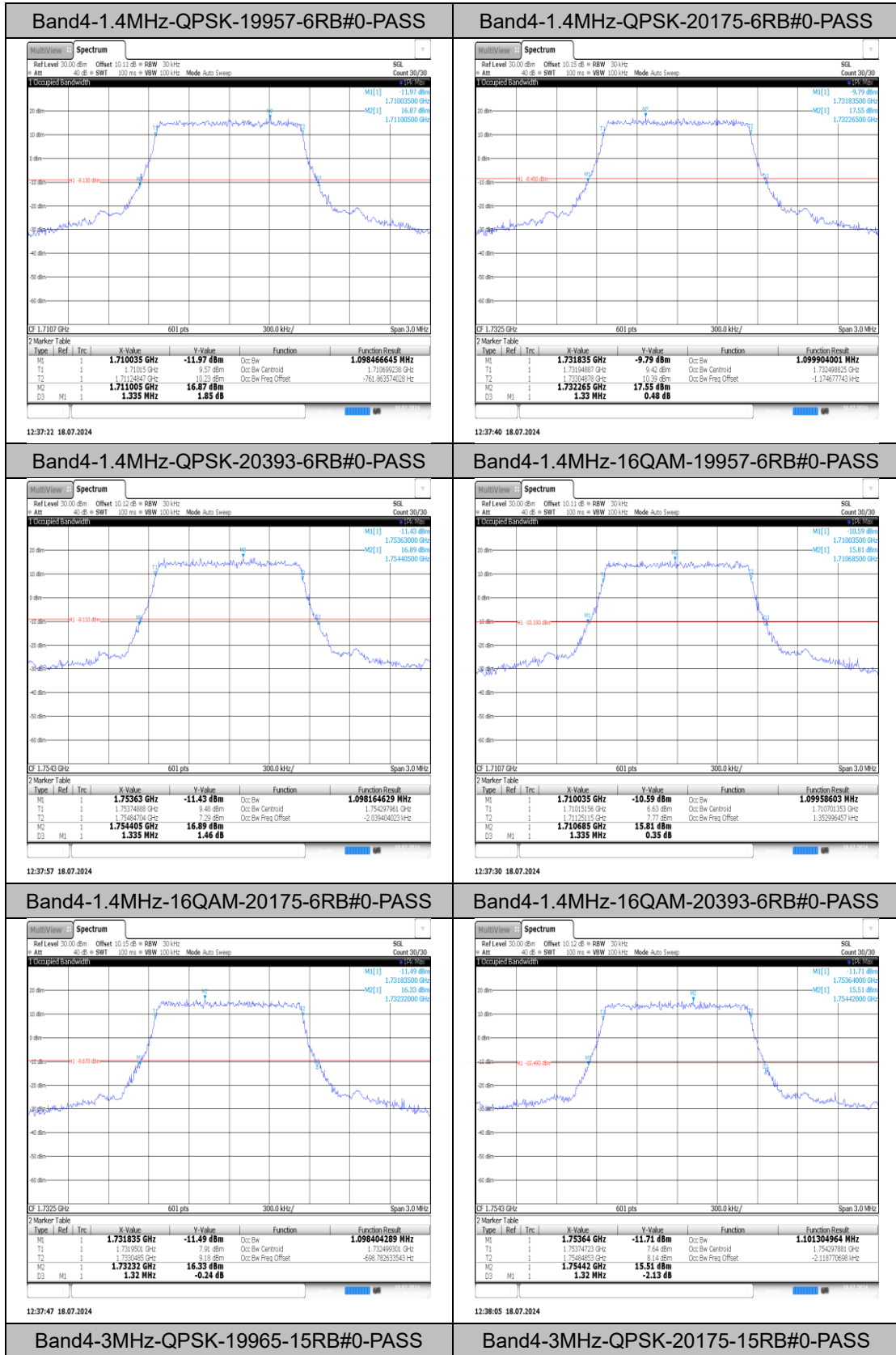
Appendix B: 26dB Bandwidth and Occupied Bandwidth

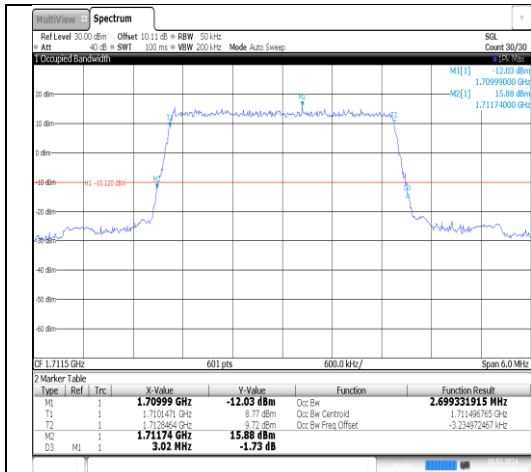
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.098	1.34	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.1	1.33	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.098	1.34	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1	1.34	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.098	1.32	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.101	1.32	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.699	3.02	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.701	3.02	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.693	3.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7	3.01	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.702	3.01	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.701	2.99	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.51	5.05	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.511	5.05	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.508	5.03	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.508	5.05	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.51	5.02	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.52	5.04	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.971	9.97	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.97	9.97	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.977	9.97	PASS
Band4	10MHz	16QAM	20000	27RB#0	4.992	6.03	PASS
Band4	10MHz	16QAM	20175	27RB#0	4.995	6.03	PASS
Band4	10MHz	16QAM	20350	27RB#0	4.991	6.07	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.462	14.85	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.4	14.70	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.469	14.80	PASS
Band4	15MHz	16QAM	20025	27RB#0	5.133	6.50	PASS
Band4	15MHz	16QAM	20175	27RB#0	5.125	6.35	PASS
Band4	15MHz	16QAM	20325	27RB#0	5.13	6.35	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.966	19.80	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.866	19.67	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.99	19.80	PASS
Band4	20MHz	16QAM	20050	27RB#0	5.432	6.93	PASS

Band4	20MHz	16QAM	20175	27RB#0	5.433	7.00	PASS
Band4	20MHz	16QAM	20300	27RB#0	5.413	6.93	PASS

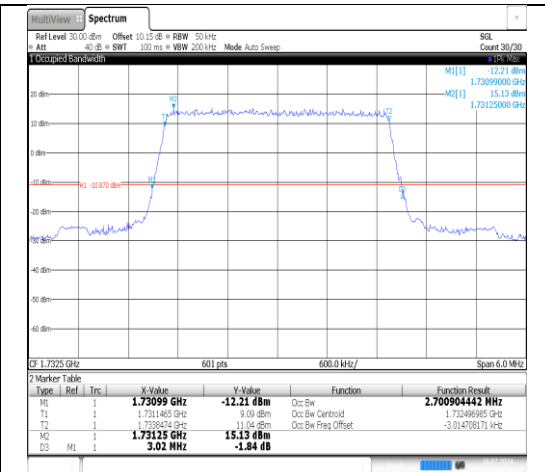
Test Graphs





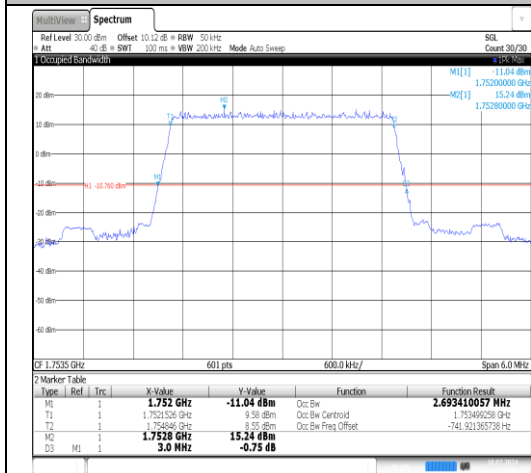
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Band4-3MHz-QPSK-20385-15RB#0-PASS



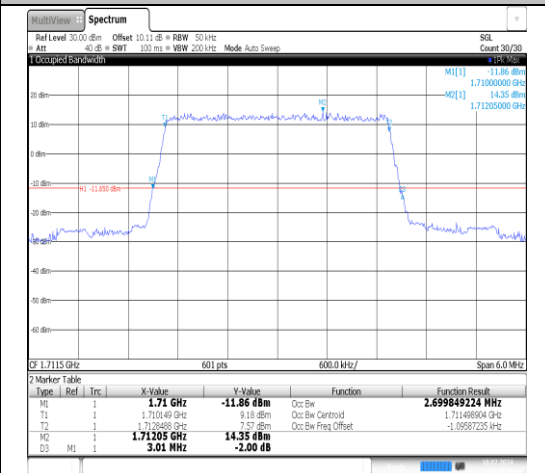
13:10:29 18.07.2024

Band4-3MHz-16QAM-19965-15RB#0-PASS



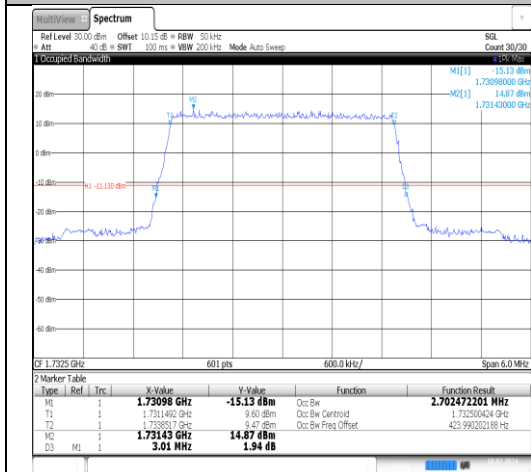
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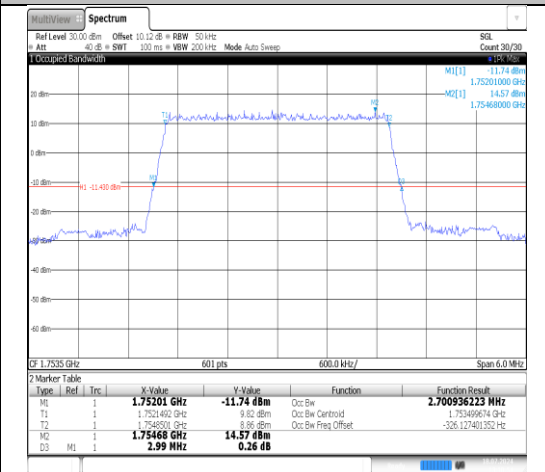
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Band4-3MHz-16QAM-20385-15RB#0-PASS



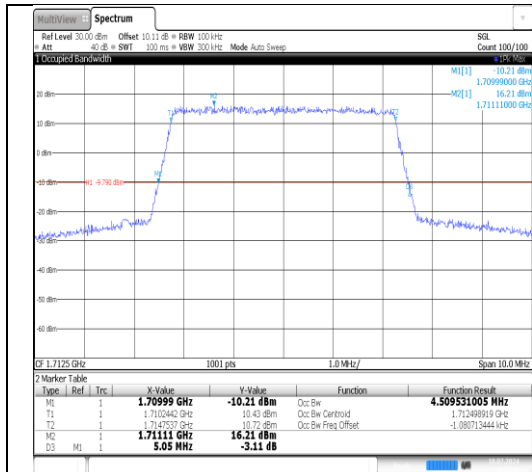
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Band4-5MHz-QPSK-19975-25RB#0-PASS



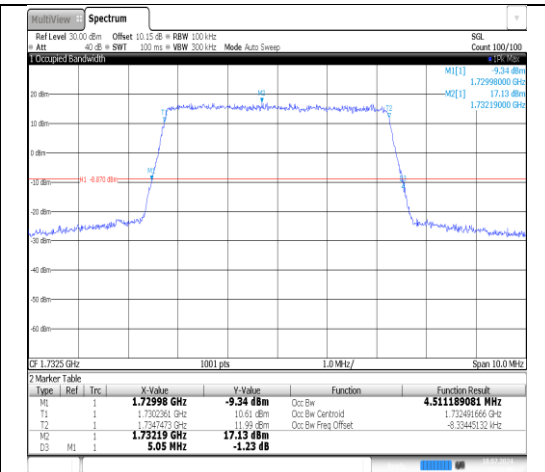
13:10:54 18.07.2024

Band4-5MHz-QPSK-20175-25RB#0-PASS



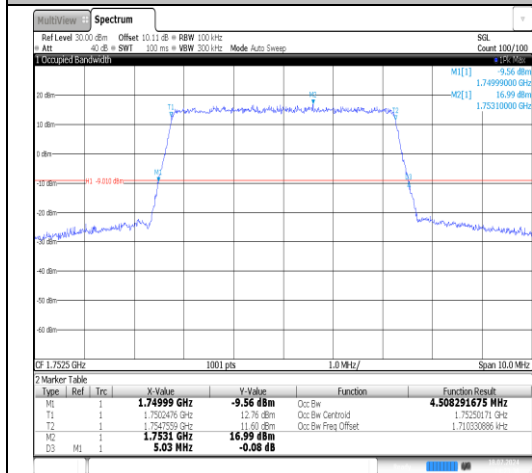
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Band4-5MHz-QPSK-20375-25RB#0-PASS



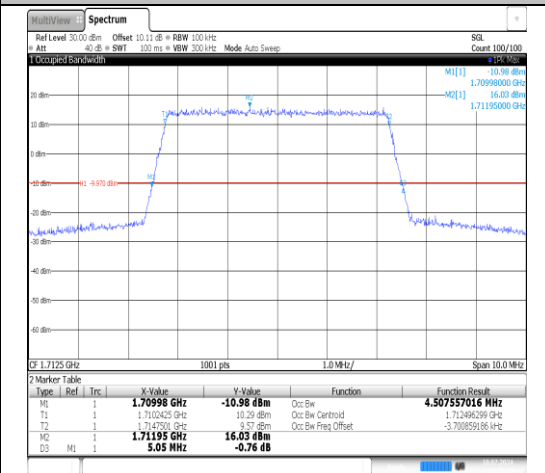
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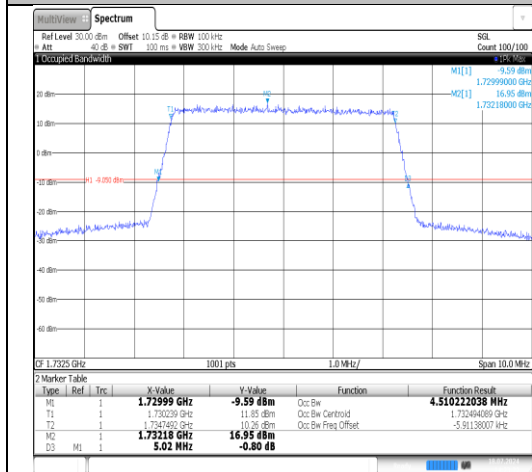
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Band4-5MHz-16QAM-20175-25RB#0-PASS



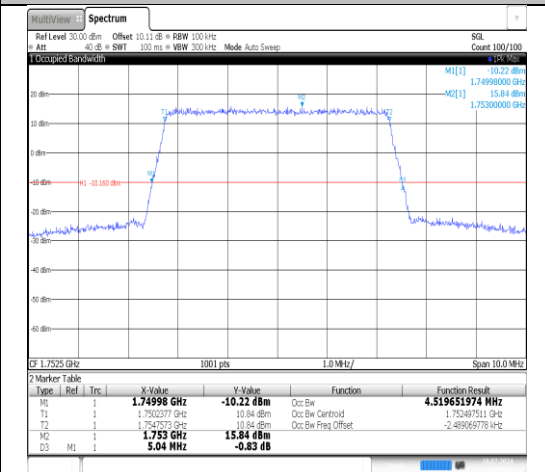
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Band4-5MHz-16QAM-20375-25RB#0-PASS



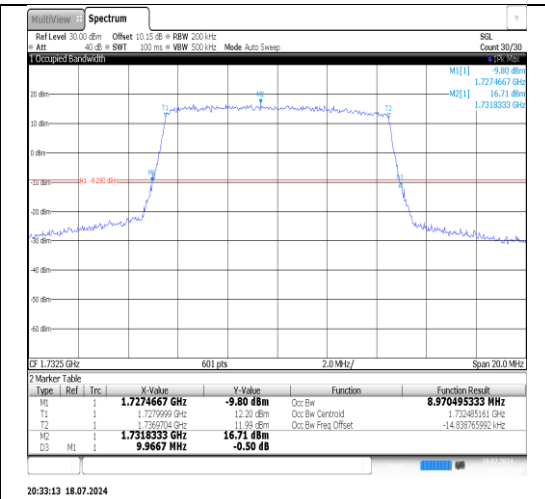
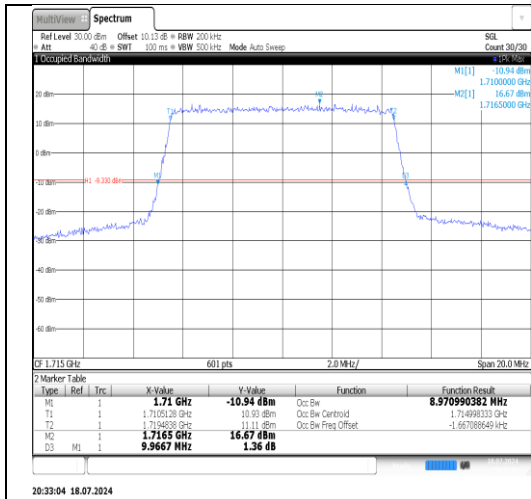
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Band4-10MHz-QPSK-20000-50RB#0-PASS

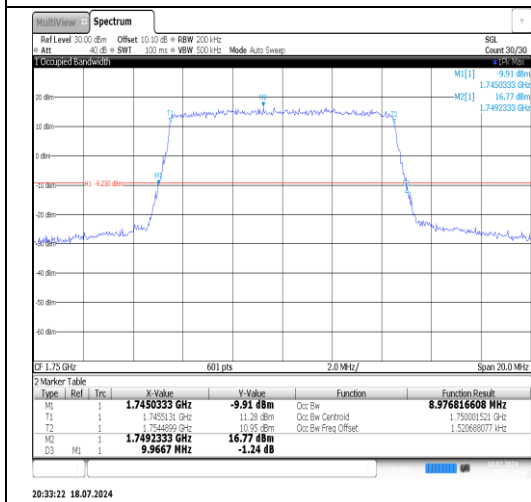


14:23:54 18.07.2024

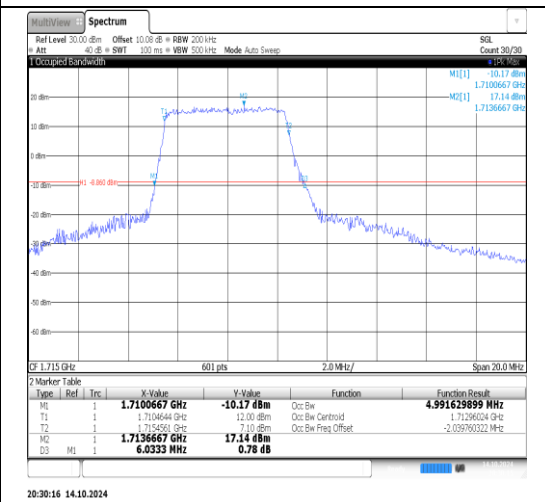
Band4-10MHz-QPSK-20175-50RB#0-PASS



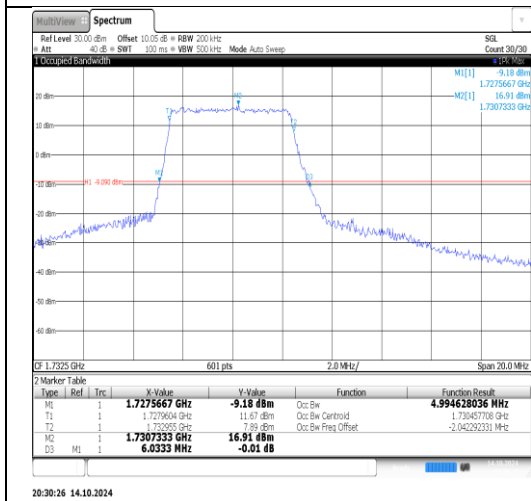
Band4-10MHz-QPSK-20350-50RB#0-PASS



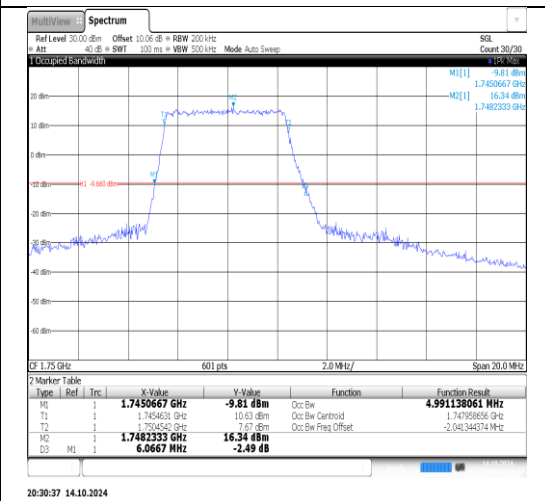
Band4-10MHz-16QAM-20000-27RB#0-PASS



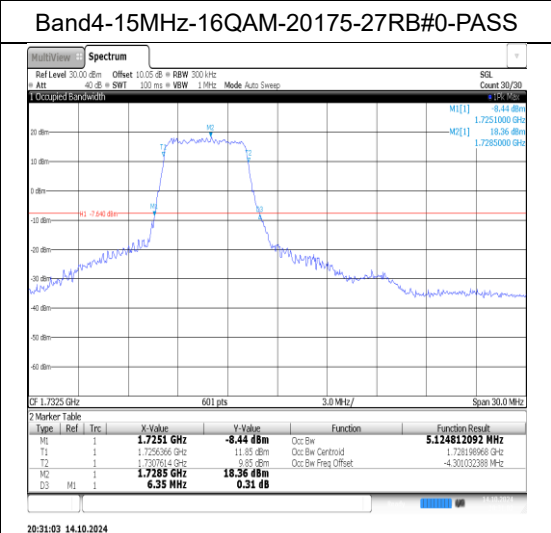
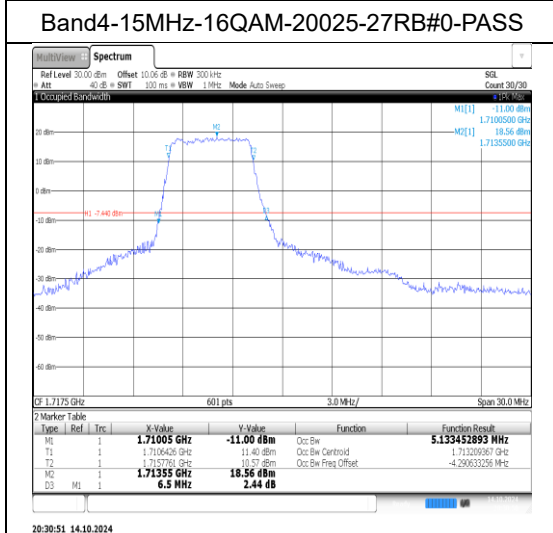
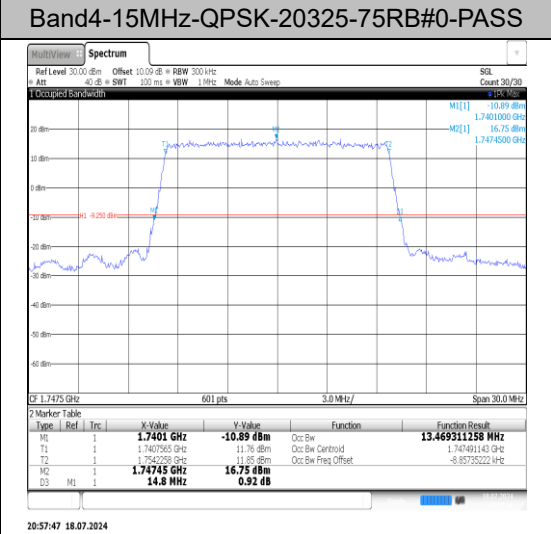
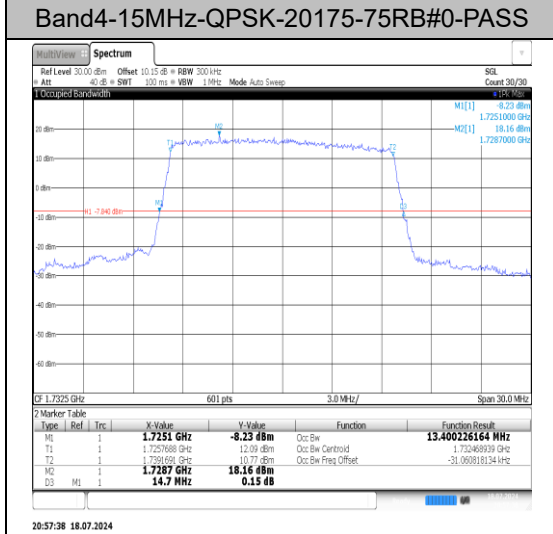
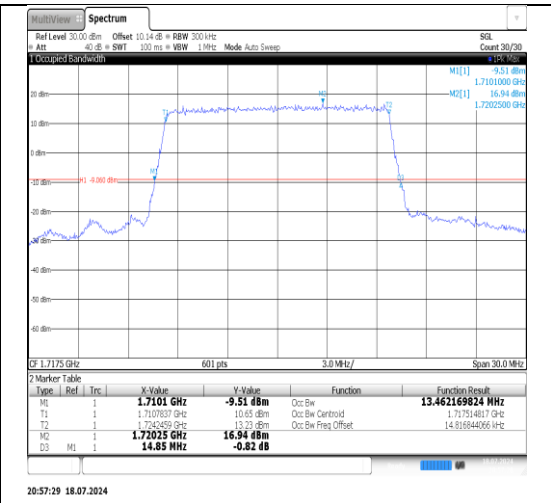
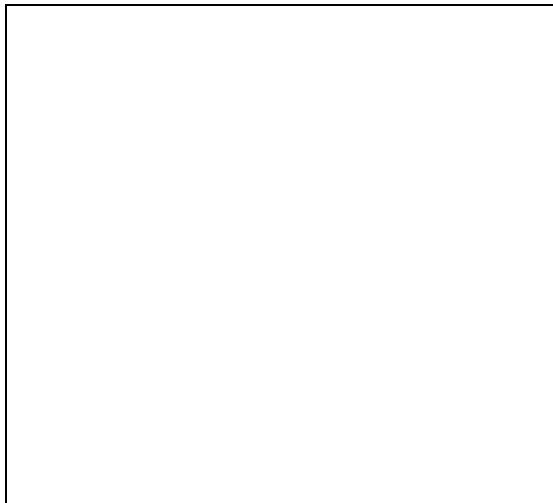
Band4-10MHz-16QAM-20175-27RB#0-PASS



Band4-10MHz-16QAM-20350-27RB#0-PASS

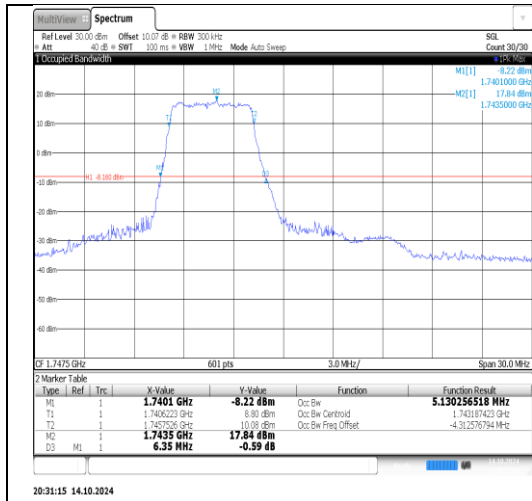


Band4-15MHz-QPSK-20025-75RB#0-PASS

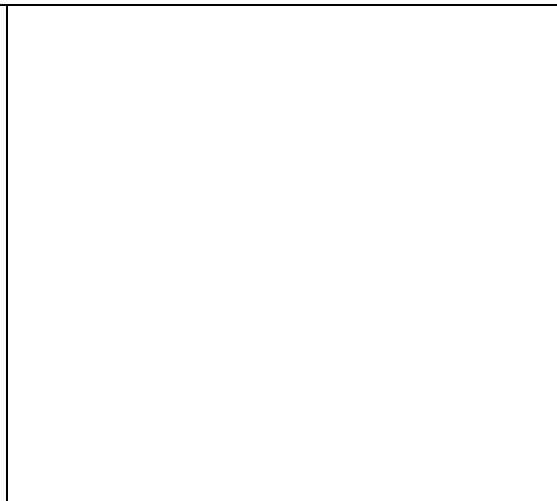


Band4-15MHz-16QAM-20325-27RB#0-PASS

Band4-15MHz-16QAM-20325-27RB#0-PASS

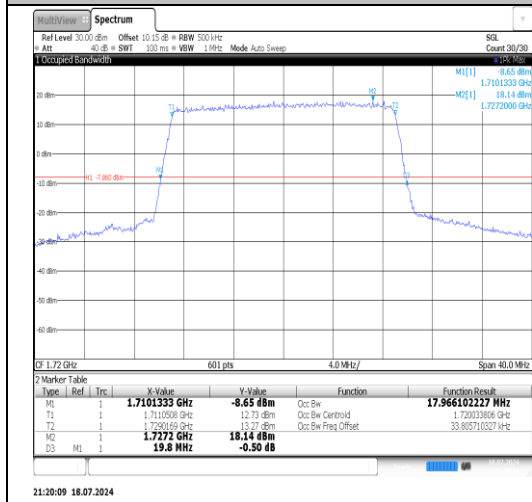


20:31:15 14.10.2024

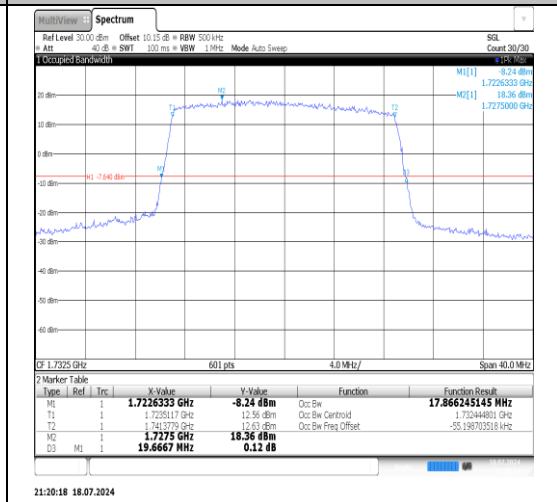


Band4-20MHz-QPSK-20050-100RB#0-PASS

Band4-20MHz-QPSK-20175-100RB#0-PASS



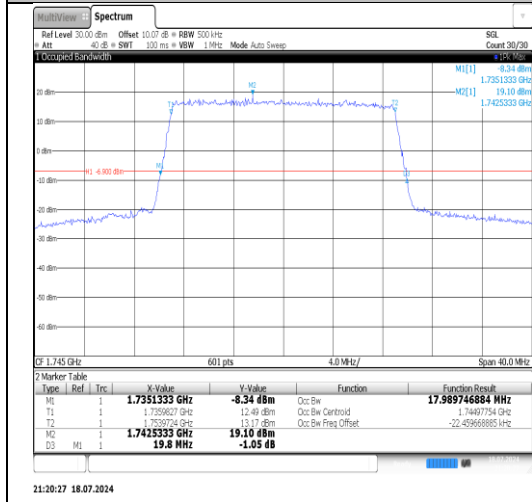
21:20:09 18.07.2024



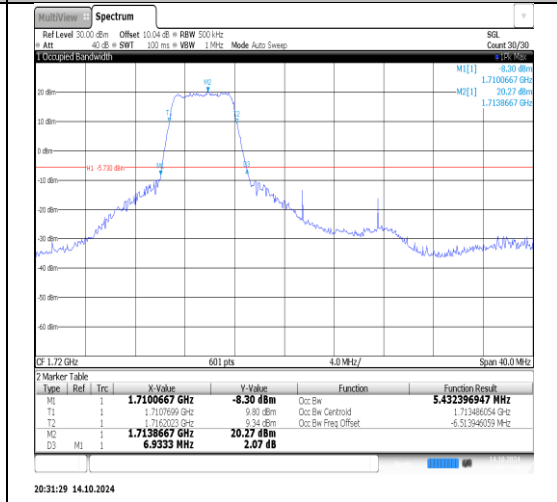
21:20:18 18.07.2024

Band4-20MHz-QPSK-20300-100RB#0-PASS

Band4-20MHz-16QAM-20050-27RB#0-PASS



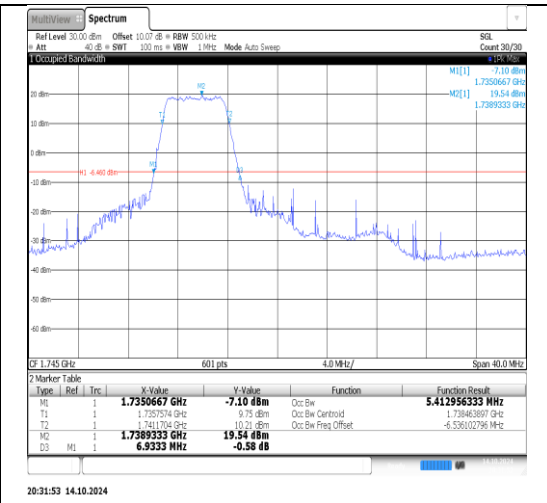
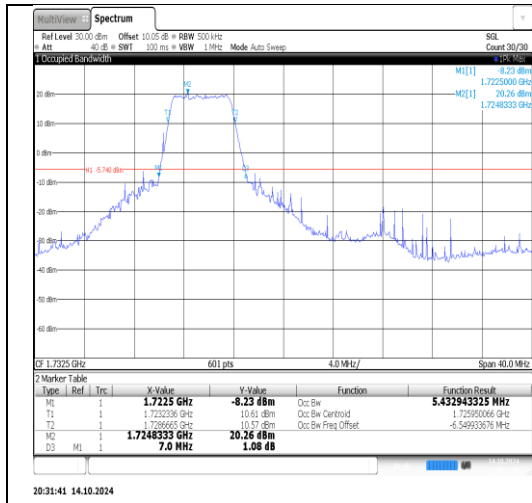
21:20:27 18.07.2024



20:31:29 14.10.2024

Band4-20MHz-16QAM-20175-27RB#0-PASS

Band4-20MHz-16QAM-20300-27RB#0-PASS



Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-23.10	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-27.62	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-48.56	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-43.45	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-28.74	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-24.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-24.90	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-28.53	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-49.98	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-44.29	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-29.44	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-26.16	PASS
Band4	3MHz	QPSK	19965	1RB#0	-20.07	PASS
Band4	3MHz	QPSK	19965	15RB#0	-26.15	PASS
Band4	3MHz	QPSK	19965	1RB#14	-44.41	PASS
Band4	3MHz	QPSK	20385	1RB#0	-45.12	PASS
Band4	3MHz	QPSK	20385	15RB#0	-27.66	PASS
Band4	3MHz	QPSK	20385	1RB#14	-21.59	PASS
Band4	3MHz	16QAM	19965	1RB#0	-21.80	PASS
Band4	3MHz	16QAM	19965	15RB#0	-28.09	PASS
Band4	3MHz	16QAM	19965	1RB#14	-45.36	PASS
Band4	3MHz	16QAM	20385	1RB#0	-46.12	PASS
Band4	3MHz	16QAM	20385	15RB#0	-29.62	PASS
Band4	3MHz	16QAM	20385	1RB#14	-22.14	PASS
Band4	5MHz	QPSK	19975	1RB#0	-46.76	PASS
Band4	5MHz	QPSK	19975	25RB#0	-26.53	PASS
Band4	5MHz	QPSK	19975	1RB#24	-50.26	PASS
Band4	5MHz	QPSK	20375	1RB#0	-50.48	PASS
Band4	5MHz	QPSK	20375	25RB#0	-27.86	PASS
Band4	5MHz	QPSK	20375	1RB#24	-21.94	PASS
Band4	5MHz	16QAM	19975	1RB#0	-23.02	PASS
Band4	5MHz	16QAM	19975	25RB#0	-27.67	PASS
Band4	5MHz	16QAM	19975	1RB#24	-51.83	PASS
Band4	5MHz	16QAM	20375	1RB#0	-51.89	PASS
Band4	5MHz	16QAM	20375	25RB#0	-27.16	PASS
Band4	5MHz	16QAM	20375	1RB#24	-22.23	PASS
Band4	10MHz	QPSK	20000	1RB#0	-30.66	PASS

Band4	10MHz	QPSK	20000	50RB#0	-27.83	PASS
Band4	10MHz	QPSK	20000	1RB#49	-46.19	PASS
Band4	10MHz	QPSK	20350	1RB#0	-45.64	PASS
Band4	10MHz	QPSK	20350	50RB#0	-27.43	PASS
Band4	10MHz	QPSK	20350	1RB#49	-31.11	PASS
Band4	10MHz	16QAM	20000	1RB#0	-32.86	PASS
Band4	10MHz	16QAM	20000	1RB#49	-46.85	PASS
Band4	10MHz	16QAM	20350	1RB#0	-46.77	PASS
Band4	10MHz	16QAM	20350	1RB#49	-32.65	PASS
Band4	15MHz	QPSK	20025	1RB#0	-28.51	PASS
Band4	15MHz	QPSK	20025	75RB#0	-29.45	PASS
Band4	15MHz	QPSK	20025	1RB#74	-45.79	PASS
Band4	15MHz	QPSK	20325	1RB#0	-42.87	PASS
Band4	15MHz	QPSK	20325	75RB#0	-29.01	PASS
Band4	15MHz	QPSK	20325	1RB#74	-28.79	PASS
Band4	15MHz	16QAM	20025	1RB#0	-30.43	PASS
Band4	15MHz	16QAM	20025	1RB#74	-45.94	PASS
Band4	15MHz	16QAM	20325	1RB#0	-45.41	PASS
Band4	15MHz	16QAM	20325	1RB#74	-29.98	PASS
Band4	20MHz	QPSK	20050	1RB#0	-32.50	PASS
Band4	20MHz	QPSK	20050	100RB#0	-31.53	PASS
Band4	20MHz	QPSK	20050	1RB#99	-48.56	PASS
Band4	20MHz	QPSK	20300	1RB#0	-48.94	PASS
Band4	20MHz	QPSK	20300	100RB#0	-30.20	PASS
Band4	20MHz	QPSK	20300	1RB#99	-32.41	PASS
Band4	20MHz	16QAM	20050	1RB#0	-32.37	PASS
Band4	20MHz	16QAM	20050	1RB#99	-49.15	PASS
Band4	20MHz	16QAM	20300	1RB#0	-49.35	PASS
Band4	20MHz	16QAM	20300	1RB#99	-34.02	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0-PASS	Band4-1.4MHz-QPSK-19957-6RB#0-PASS
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