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Appendix B.14

LTE Band 41



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Effective (Isotropic) Radiated Power Output Data

Test ResultAnt7

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	25.5	28.11	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	25.57	28.18	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	25.57	28.18	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	24.62	27.23	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	26.07	28.68	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	25.45	28.06	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	25.65	28.26	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	24.52	27.13	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	25.88	28.49	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	25.47	28.08	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	25.29	27.9	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	24.53	27.14	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	24.99	27.6	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	24.92	27.53	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	24.87	27.48	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	23.54	26.15	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	24.73	27.34	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	24.66	27.27	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	24.77	27.38	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	23.44	26.05	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	24.78	27.39	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	24.77	27.38	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	24.54	27.15	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	23.4	26.01	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	23.7	26.31	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	23.56	26.17	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	23.6	26.21	33	PASS



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Band41	5MHz	64QAM	39675	25RB#0	22.63	25.24	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	23.49	26.1	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	23.5	26.11	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	23.36	25.97	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	22.39	25	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	23.23	25.84	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	23.33	25.94	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	23.34	25.95	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	22.48	25.09	33	PASS
Band41	5MHz	256QAM	39675	1RB#0	20.59	23.2	33	PASS
Band41	5MHz	256QAM	39675	1RB#12	20.45	23.06	33	PASS
Band41	5MHz	256QAM	39675	1RB#24	20.52	23.13	33	PASS
Band41	5MHz	256QAM	39675	25RB#0	20.54	23.15	33	PASS
Band41	5MHz	256QAM	40620	1RB#0	20.36	22.97	33	PASS
Band41	5MHz	256QAM	40620	1RB#12	20.53	23.14	33	PASS
Band41	5MHz	256QAM	40620	1RB#24	20.41	23.02	33	PASS
Band41	5MHz	256QAM	40620	25RB#0	20.49	23.1	33	PASS
Band41	5MHz	256QAM	41565	1RB#0	20.48	23.09	33	PASS
Band41	5MHz	256QAM	41565	1RB#12	20.41	23.02	33	PASS
Band41	5MHz	256QAM	41565	1RB#24	20.29	22.9	33	PASS
Band41	5MHz	256QAM	41565	25RB#0	20.47	23.08	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	25.58	28.19	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	25.55	28.16	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	25.78	28.39	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	24.84	27.45	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	26.15	28.76	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	25.49	28.1	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	25.42	28.03	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	24.57	27.18	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	25.83	28.44	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	25.35	27.96	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	25.31	27.92	33	PASS



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Band41	10MHz	QPSK	41540	50RB#0	24.26	26.87	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	25.13	27.74	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	25.07	27.68	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	25.06	27.67	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	23.84	26.45	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	24.79	27.4	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	24.88	27.49	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	24.76	27.37	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	23.66	26.27	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	24.67	27.28	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	24.56	27.17	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	24.5	27.11	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	23.51	26.12	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	23.69	26.3	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	23.53	26.14	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	23.69	26.3	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	22.7	25.31	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	23.64	26.25	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	23.56	26.17	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	23.54	26.15	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	22.43	25.04	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	23.47	26.08	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	23.48	26.09	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	23.29	25.9	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	22.41	25.02	33	PASS
Band41	10MHz	256QAM	39700	1RB#0	20.46	23.07	33	PASS
Band41	10MHz	256QAM	39700	1RB#24	20.56	23.17	33	PASS
Band41	10MHz	256QAM	39700	1RB#49	20.58	23.19	33	PASS
Band41	10MHz	256QAM	39700	50RB#0	20.72	23.33	33	PASS
Band41	10MHz	256QAM	40620	1RB#0	20.6	23.21	33	PASS
Band41	10MHz	256QAM	40620	1RB#24	20.45	23.06	33	PASS
Band41	10MHz	256QAM	40620	1RB#49	20.33	22.94	33	PASS



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Band41	10MHz	256QAM	40620	50RB#0	20.62	23.23	33	PASS
Band41	10MHz	256QAM	41540	1RB#0	20.25	22.86	33	PASS
Band41	10MHz	256QAM	41540	1RB#24	20.28	22.89	33	PASS
Band41	10MHz	256QAM	41540	1RB#49	20.27	22.88	33	PASS
Band41	10MHz	256QAM	41540	50RB#0	20.58	23.19	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	25.58	28.19	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	25.64	28.25	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	25.52	28.13	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	24.72	27.33	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	26.12	28.73	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	25.55	28.16	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	25.44	28.05	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	24.48	27.09	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	25.87	28.48	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	25.38	27.99	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	25.47	28.08	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	24.34	26.95	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	24.94	27.55	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	24.99	27.6	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	25.07	27.68	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	23.84	26.45	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	24.7	27.31	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	24.79	27.4	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	24.82	27.43	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	23.57	26.18	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	24.47	27.08	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	24.56	27.17	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	24.62	27.23	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	23.33	25.94	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	23.55	26.16	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	23.71	26.32	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	23.77	26.38	33	PASS



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Band41	15MHz	64QAM	40620	1RB#0	23.61	26.22	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	23.37	25.98	33	PASS
Band41	15MHz	64QAM	40620	1RB#74	23.39	26	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	22.68	25.29	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	23.3	25.91	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	23.34	25.95	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	23.27	25.88	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	22.44	25.05	33	PASS
Band41	15MHz	256QAM	39725	1RB#0	20.66	23.27	33	PASS
Band41	15MHz	256QAM	39725	1RB#38	20.55	23.16	33	PASS
Band41	15MHz	256QAM	39725	1RB#74	20.65	23.26	33	PASS
Band41	15MHz	256QAM	39725	75RB#0	20.56	23.17	33	PASS
Band41	15MHz	256QAM	40620	1RB#0	20.35	22.96	33	PASS
Band41	15MHz	256QAM	40620	1RB#38	20.39	23	33	PASS
Band41	15MHz	256QAM	40620	1RB#74	20.56	23.17	33	PASS
Band41	15MHz	256QAM	40620	75RB#0	20.45	23.06	33	PASS
Band41	15MHz	256QAM	41515	1RB#0	20.34	22.95	33	PASS
Band41	15MHz	256QAM	41515	1RB#38	20.34	22.95	33	PASS
Band41	15MHz	256QAM	41515	1RB#74	20.41	23.02	33	PASS
Band41	15MHz	256QAM	41515	75RB#0	20.36	22.97	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	25.48	28.09	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	25.6	28.21	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	25.7	28.31	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	24.7	27.31	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	26.15	28.76	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	25.48	28.09	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	25.42	28.03	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	24.35	26.96	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	25.98	28.59	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	25.47	28.08	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	25.33	27.94	33	PASS



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Band41	20MHz	16QAM	39750	1RB#0	25	27.61	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	25.07	27.68	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	25.01	27.62	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	23.74	26.35	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	24.92	27.53	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	24.85	27.46	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	24.62	27.23	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	23.49	26.1	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	24.63	27.24	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	24.63	27.24	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	24.49	27.1	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	23.45	26.06	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	23.62	26.23	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	23.63	26.24	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	23.6	26.21	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	22.69	25.3	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	23.47	26.08	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	23.24	25.85	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	23.42	26.03	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	22.53	25.14	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	23.48	26.09	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	23.34	25.95	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	23.3	25.91	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	22.41	25.02	33	PASS
Band41	20MHz	256QAM	39750	1RB#0	20.54	23.15	33	PASS
Band41	20MHz	256QAM	39750	1RB#49	20.56	23.17	33	PASS
Band41	20MHz	256QAM	39750	1RB#99	20.69	23.3	33	PASS
Band41	20MHz	256QAM	39750	100RB#0	20.78	23.39	33	PASS
Band41	20MHz	256QAM	40620	1RB#0	20.52	23.13	33	PASS
Band41	20MHz	256QAM	40620	1RB#49	20.37	22.98	33	PASS
Band41	20MHz	256QAM	40620	1RB#99	20.47	23.08	33	PASS



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Band41	20MHz	256QAM	40620	100RB#0	20.27	22.88	33	PASS
Band41	20MHz	256QAM	41490	1RB#0	20.38	22.99	33	PASS
Band41	20MHz	256QAM	41490	1RB#49	20.42	23.03	33	PASS
Band41	20MHz	256QAM	41490	1RB#99	20.32	22.93	33	PASS
Band41	20MHz	256QAM	41490	100RB#0	20.36	22.97	33	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	8.50	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.26	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.56	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.54	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.82	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.80	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	9.82	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	10.18	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	9.94	13	PASS
Band41	20MHz	256QAM	39750	100RB#0	10.54	13	PASS
Band41	20MHz	256QAM	40620	100RB#0	10.48	13	PASS
Band41	20MHz	256QAM	41490	100RB#0	10.46	13	PASS



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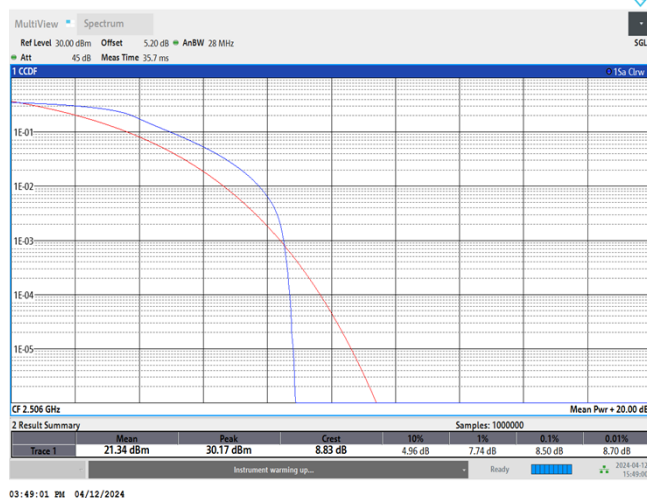
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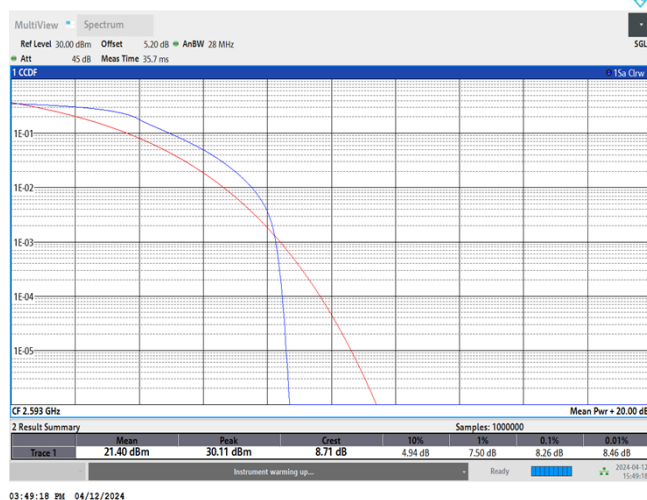
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Test Graphs

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



Band41-20MHz-QPSK-40620-100RB#0



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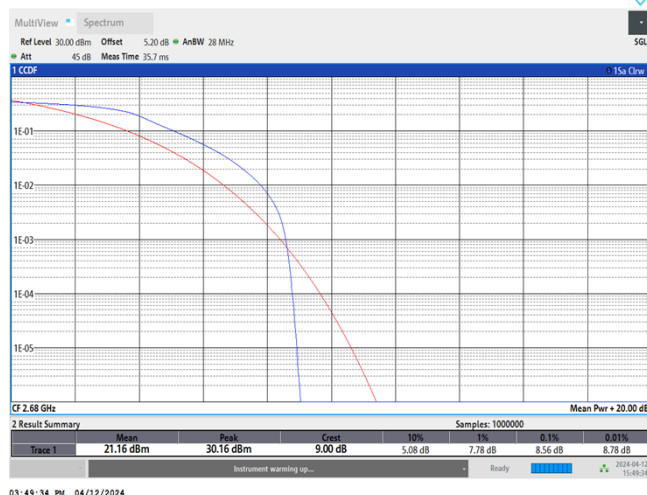
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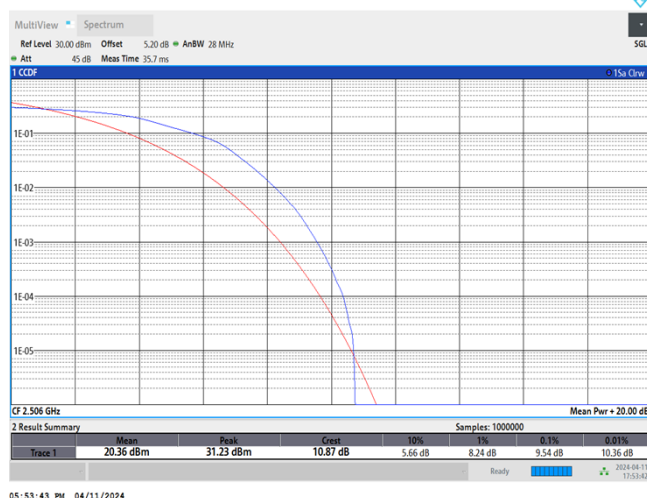
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Band41-20MHz-QPSK-41490-100RB#0



Band41-20MHz-16QAM-39750-100RB#0



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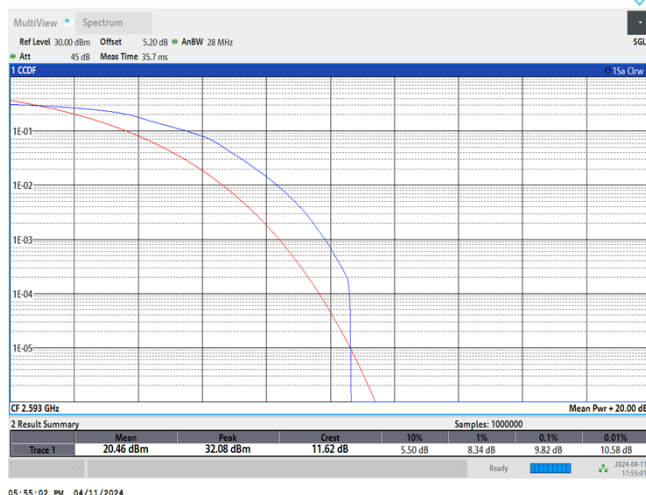
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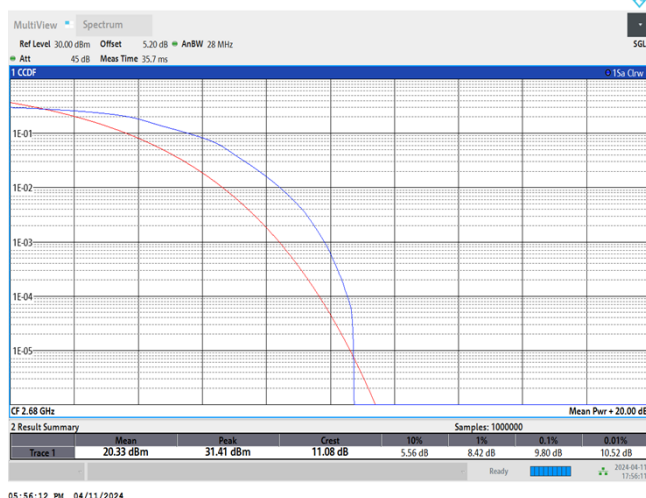
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Band41-20MHz-16QAM-40620-100RB#0



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



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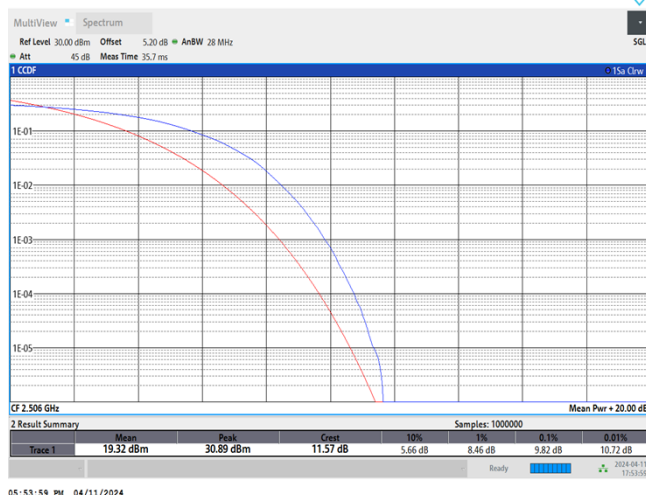
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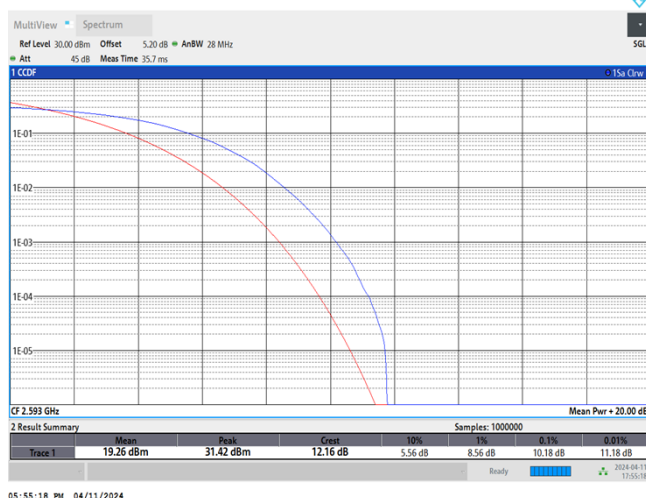
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Band41-20MHz-64QAM-39750-100RB#0



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



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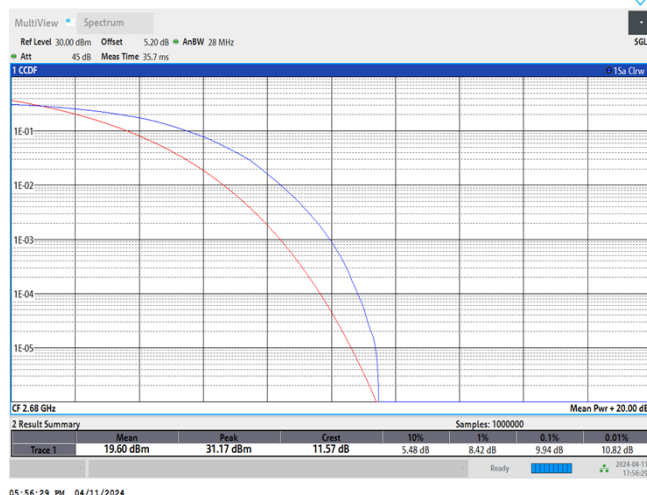
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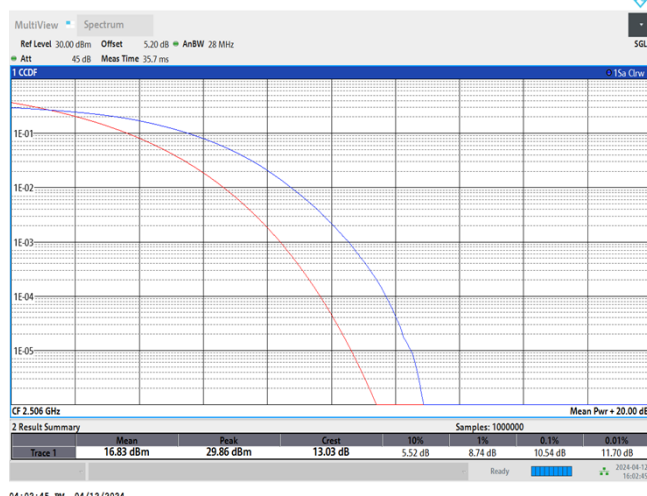
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Band41-20MHz-256QAM-39750-100RB#0



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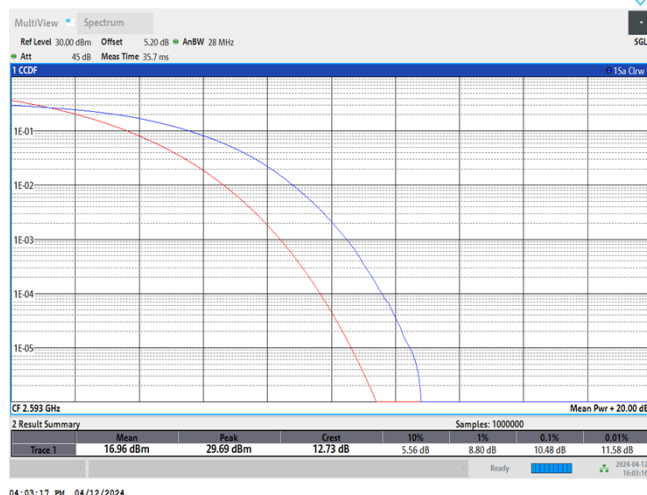
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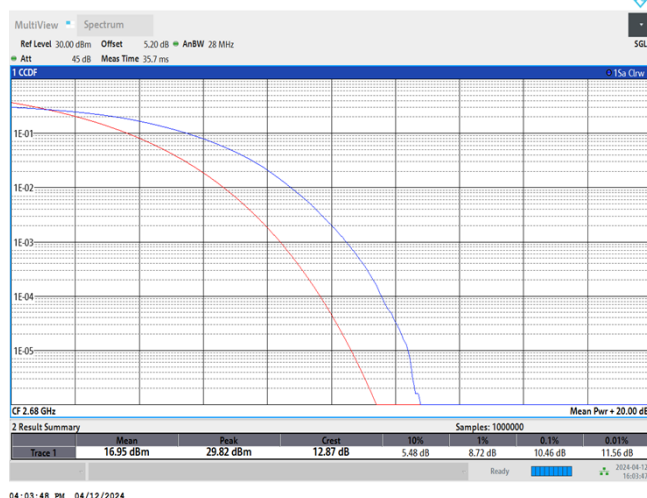
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Band41-20MHz-256QAM-40620-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	40620	25RB#0	4.492	4.97	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.512	5.01	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.469	5.03	PASS
Band41	5MHz	256QAM	40620	25RB#0	4.469	4.88	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.906	9.60	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.957	9.54	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.917	9.64	PASS
Band41	10MHz	256QAM	40620	50RB#0	8.979	9.62	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.476	14.70	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.427	14.40	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.445	14.58	PASS
Band41	15MHz	256QAM	40620	75RB#0	13.445	14.76	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.931	19.56	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.892	18.96	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.912	18.92	PASS
Band41	20MHz	256QAM	40620	100RB#0	17.892	19.24	PASS



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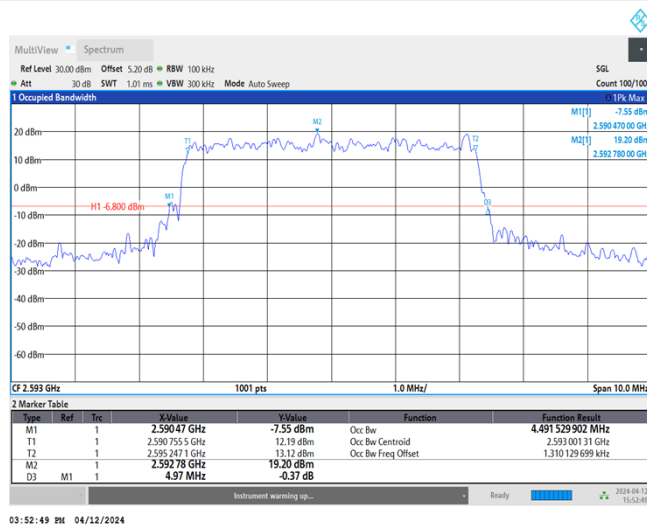
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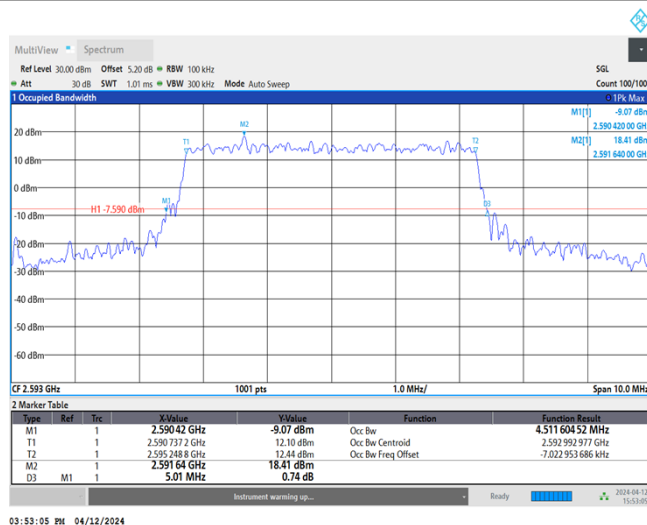
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Test Graphs

Band41-5MHz-QPSK-40620-25RB#0



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



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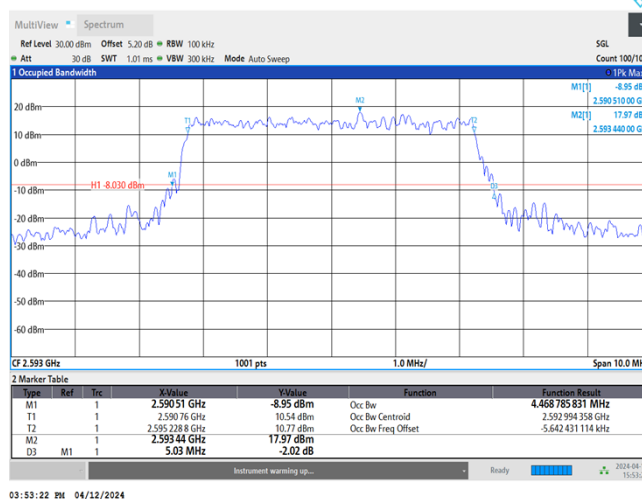
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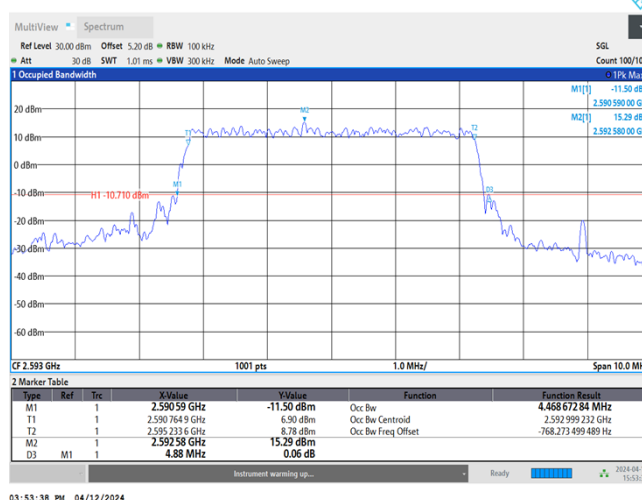
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Band41-5MHz-64QAM-40620-25RB#0



Band41-5MHz-256QAM-40620-25RB#0



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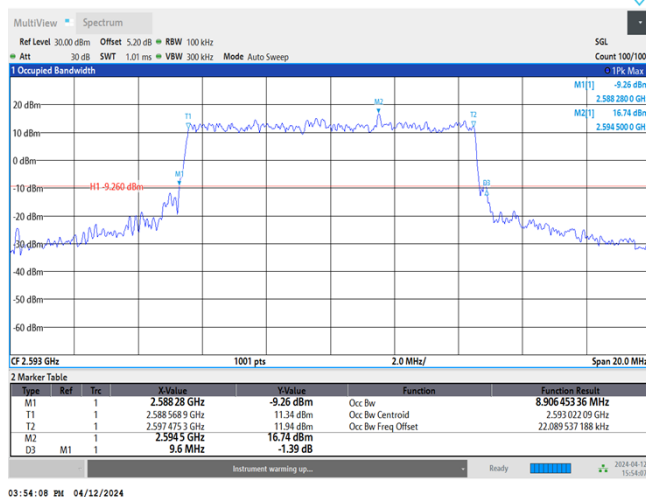
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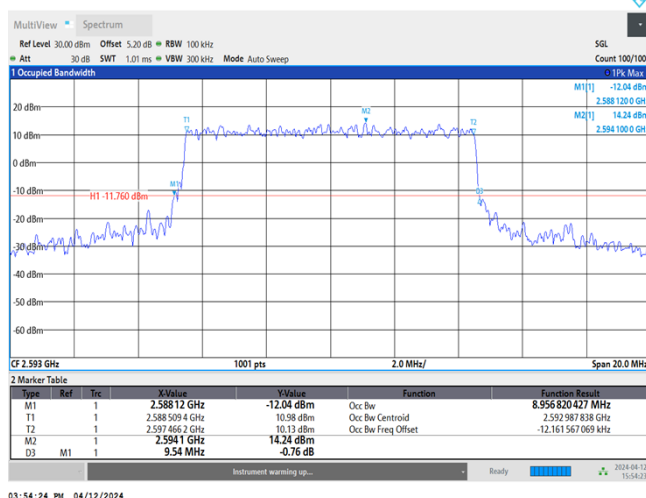
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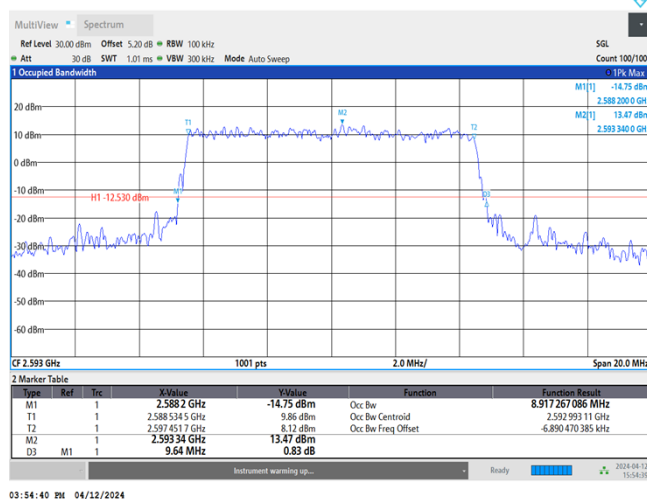
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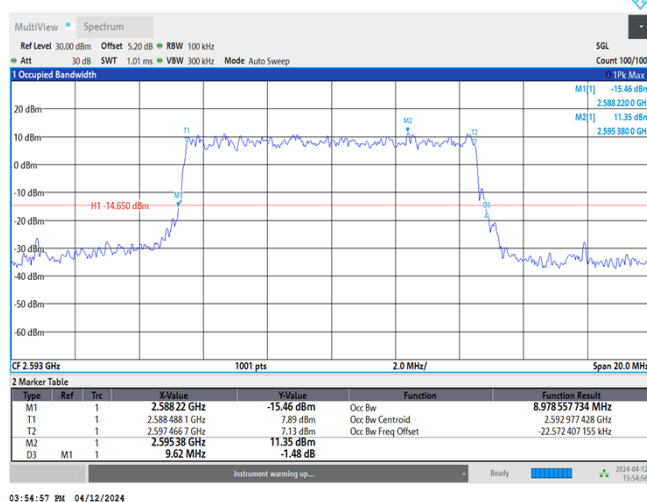
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Band41-10MHz-64QAM-40620-50RB#0



Band41-10MHz-256QAM-40620-50RB#0



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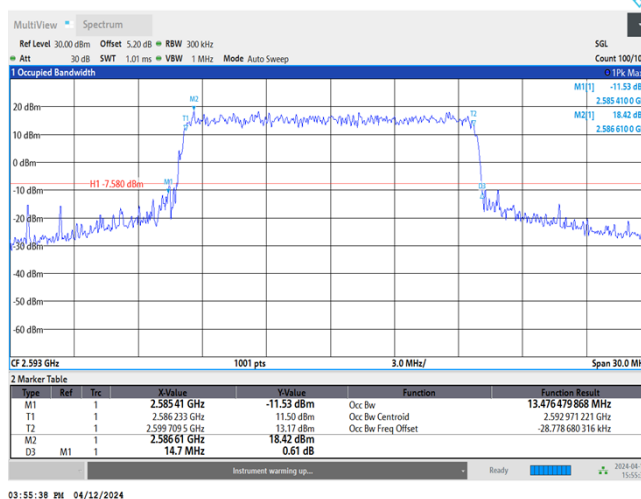
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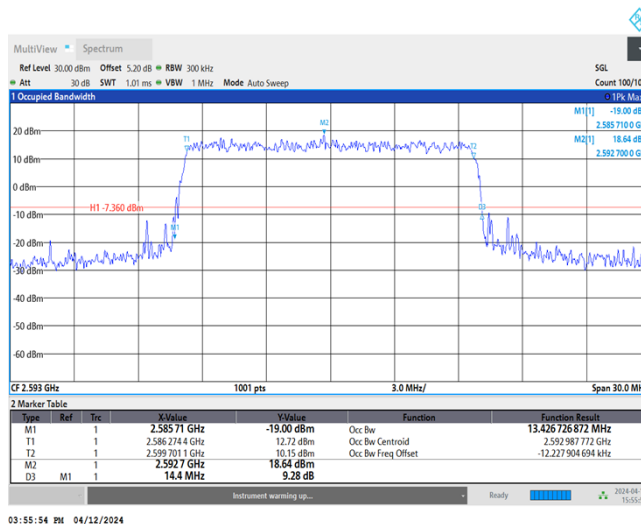
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Band41-15MHz-QPSK-40620-75RB#0



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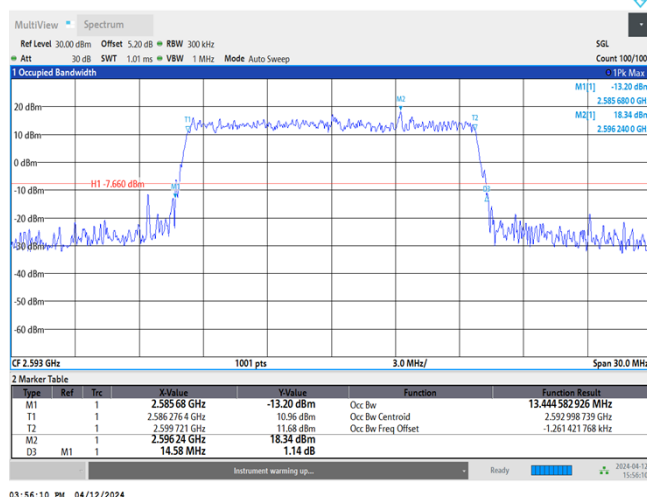
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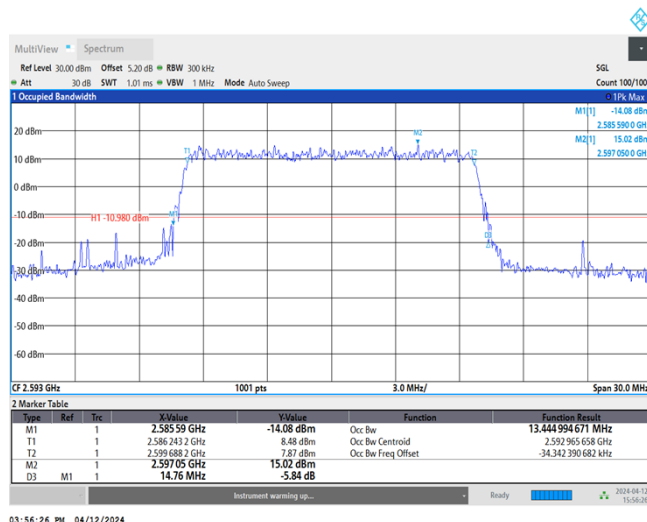
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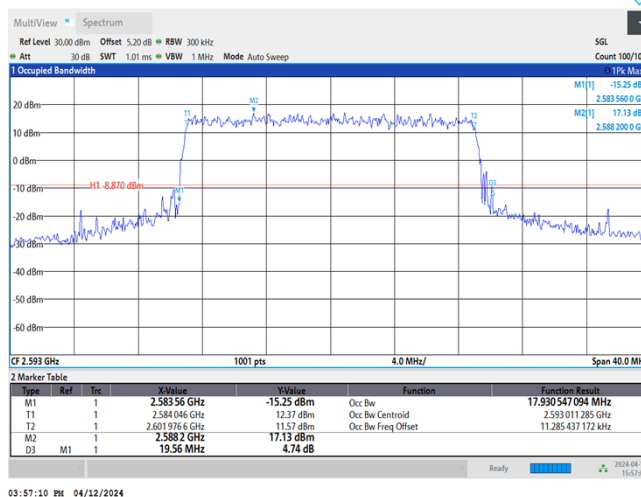
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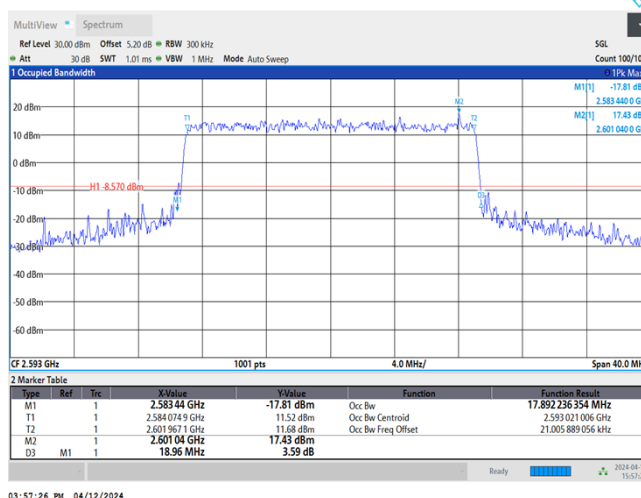
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Band41-20MHz-QPSK-40620-100RB#0



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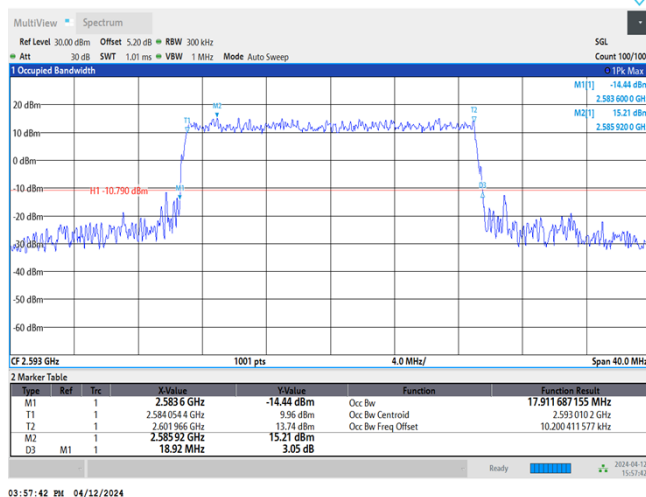
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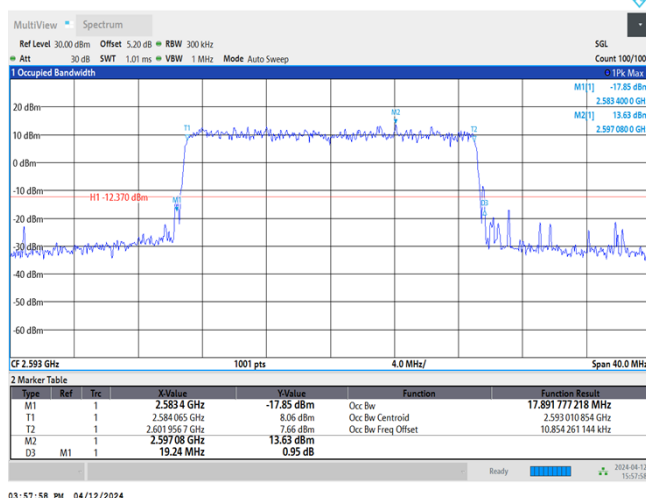
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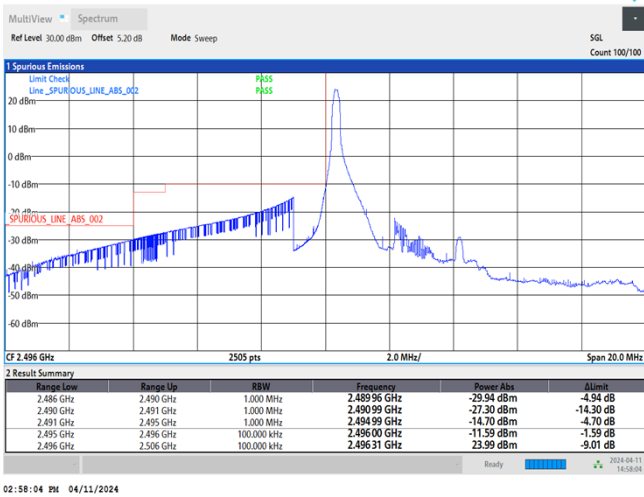
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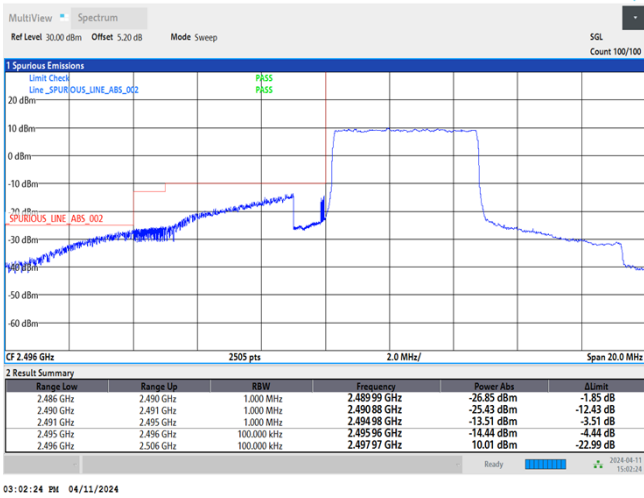
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Band Edge Test Graphs

Band41-5MHz-QPSK-39675-1RB#0



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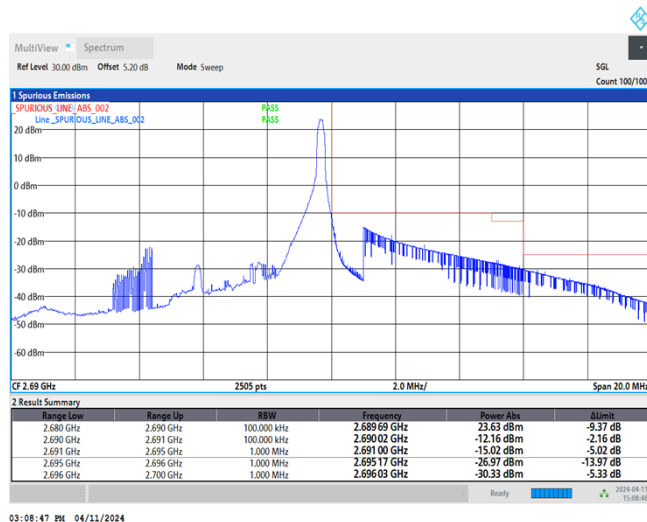
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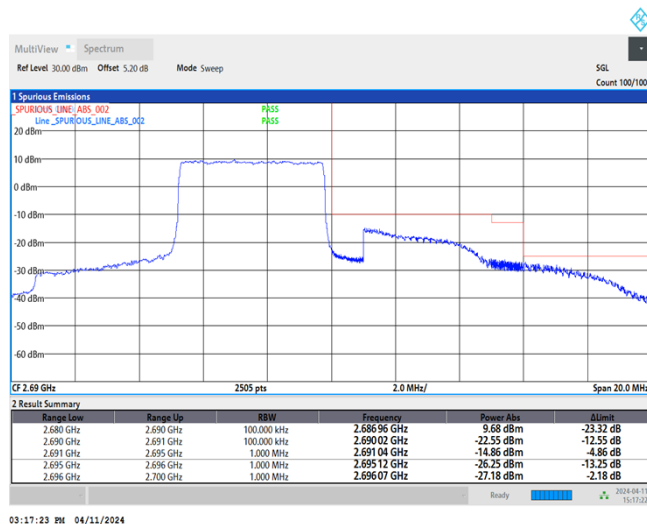
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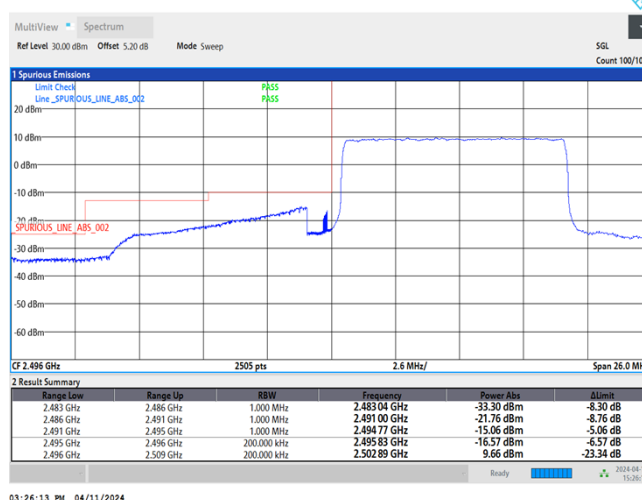
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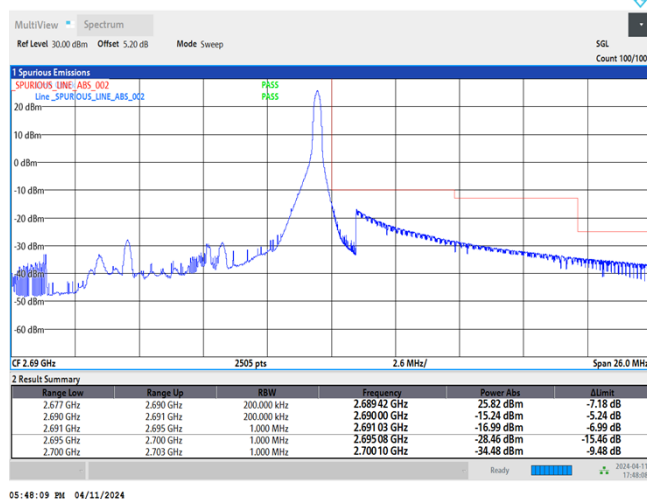
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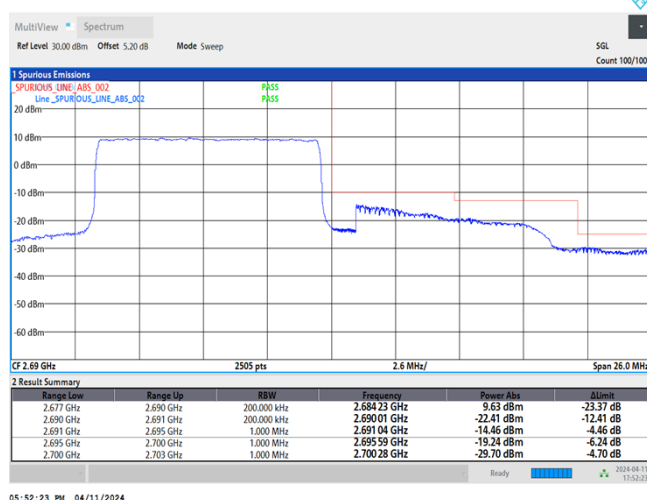
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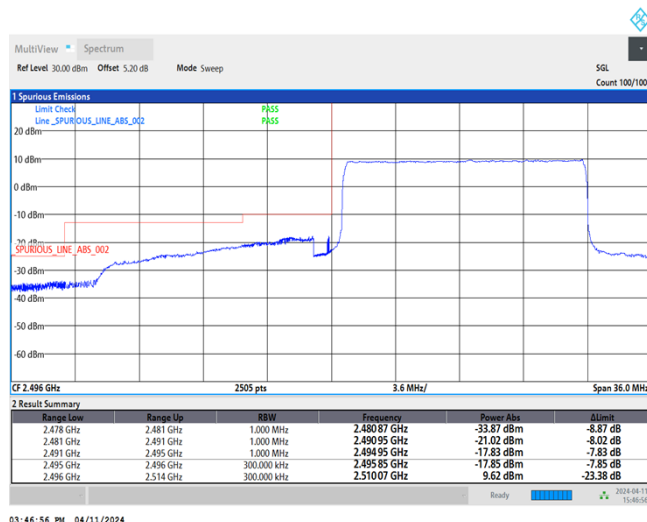
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Band41-15MHz-QPSK-39725-1RB#0



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



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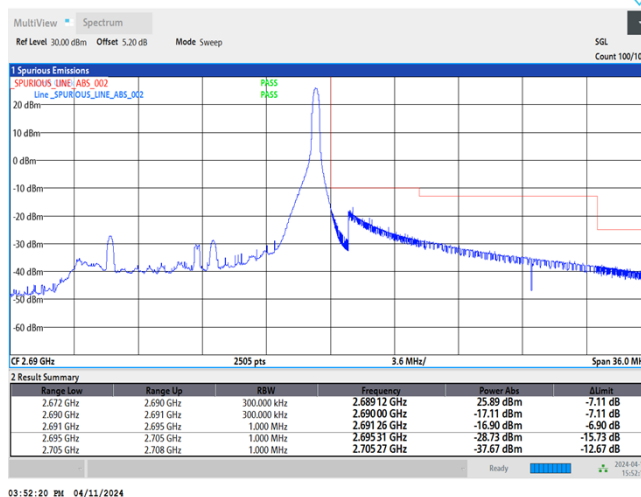
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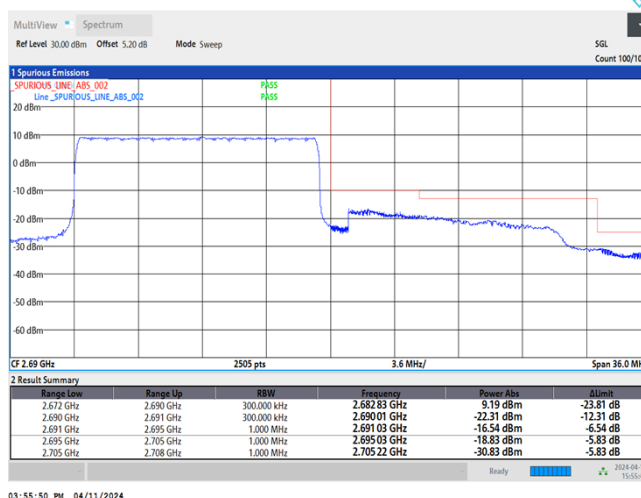
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Band41-15MHz-QPSK-41515-1RB#74



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



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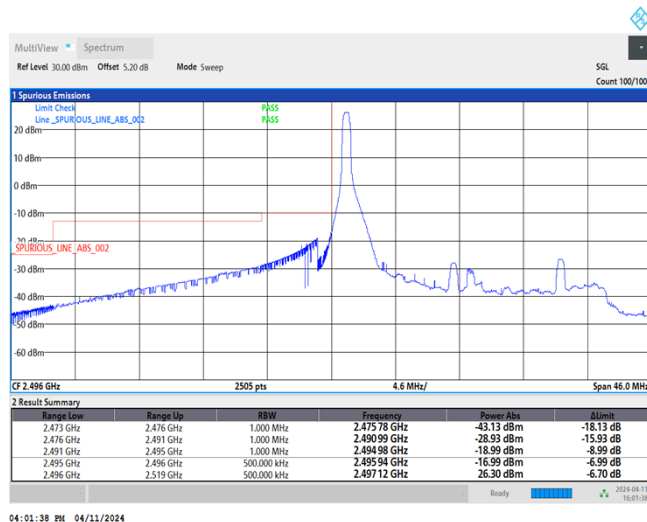
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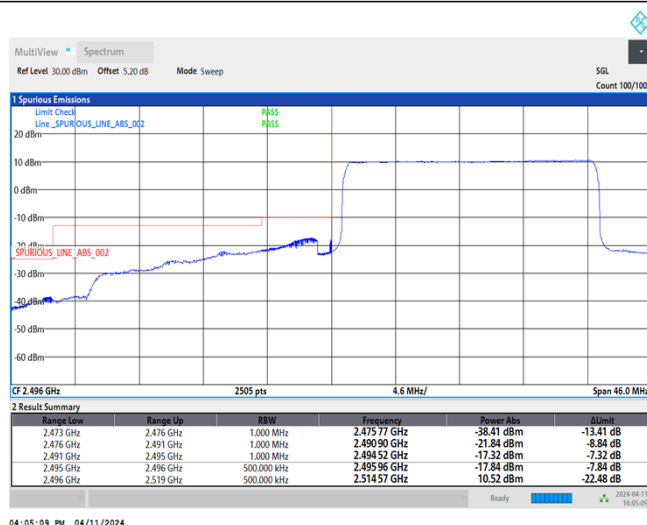
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Band41-20MHz-QPSK-39750-1RB#0



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



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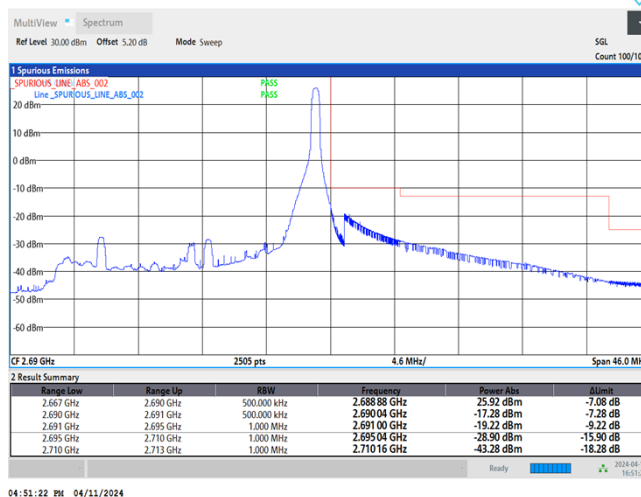
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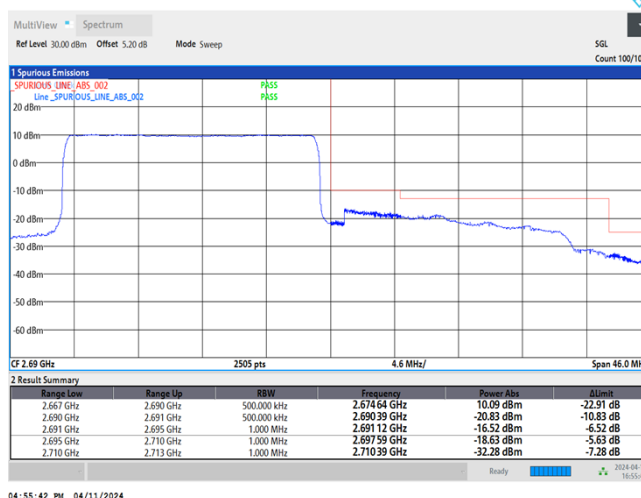
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Band41-20MHz-QPSK-41490-1RB#99



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



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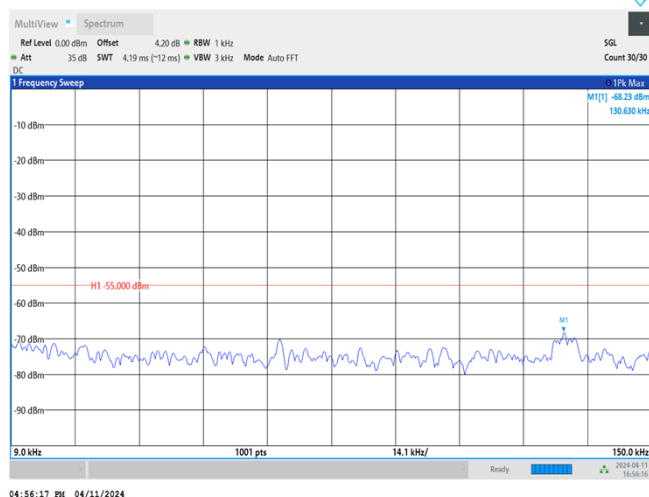
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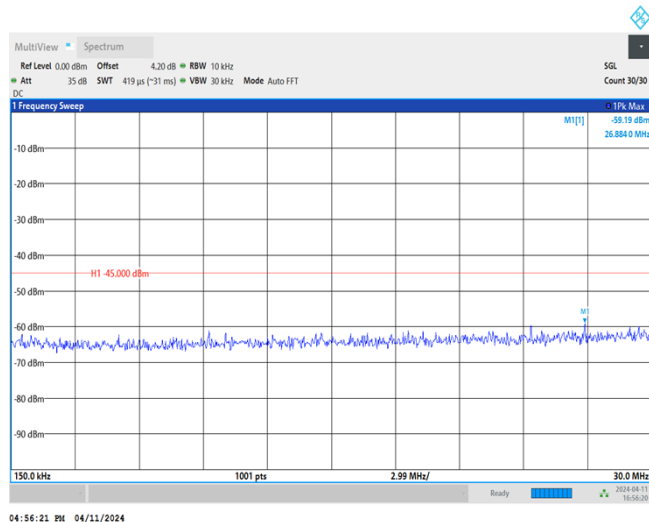
Conducted Spurious Emission

Test Graphs

Band41-20MHz-QPSK-39750-1RB#0-Range1:0.009~0.15MHz



Band41-20MHz-QPSK-39750-1RB#0-Range2:0.15~30MHz



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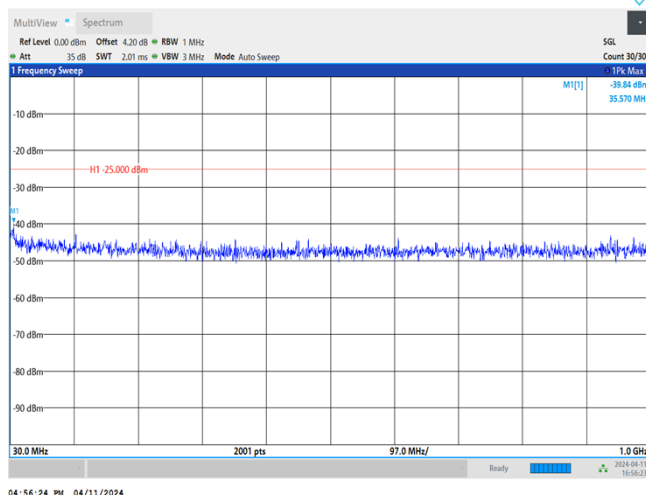
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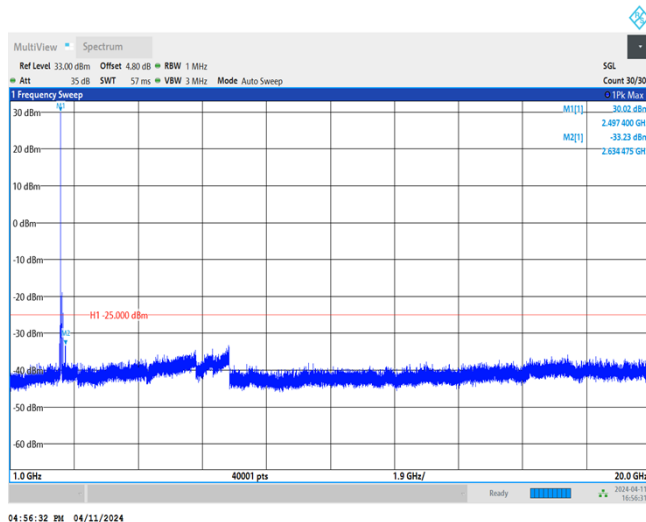
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



Band41-20MHz-QPSK-39750-1RB#0-Range4:1000~20000MHz



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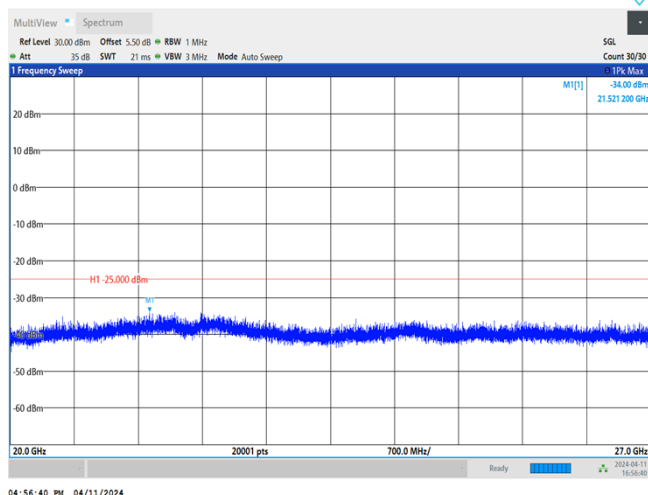
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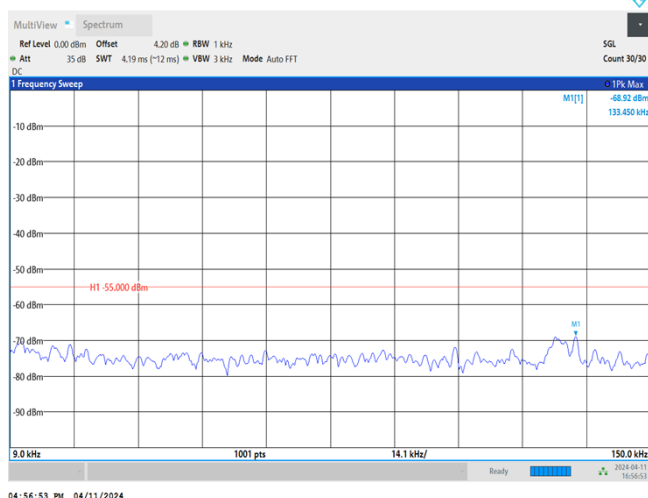
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



Band41-20MHz-QPSK-40620-1RB#0-Range1:0.009~0.15MHz



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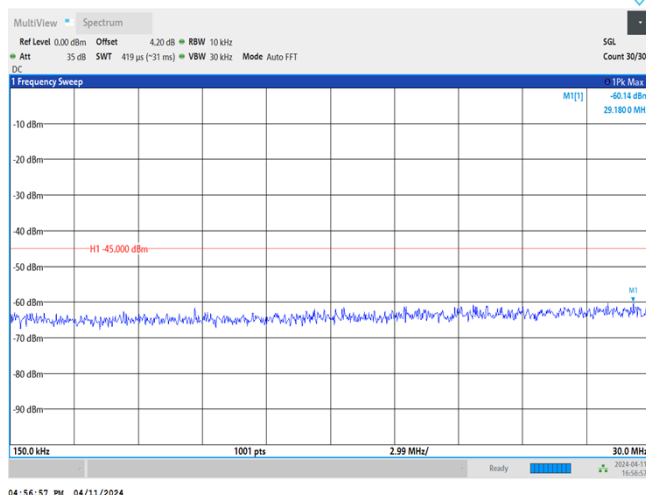
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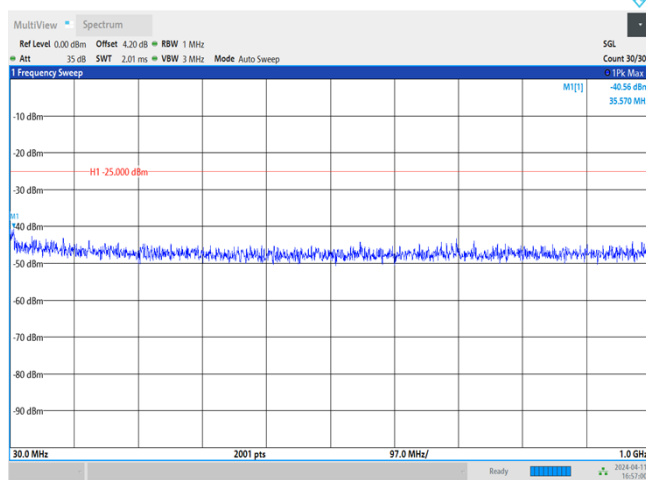
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



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Band41-20MHz-QPSK-40620-1RB#0-Range3:30~1000MHz



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