Appendix B.11

LTE Band 41

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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	25.96	27.2	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	26	27.24	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	26.11	27.35	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	25.64	26.88	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	26.31	27.55	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	26.34	27.58	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	26.34	27.58	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	25.49	26.73	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	26.27	27.51	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	26.23	27.47	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	26.23	27.47	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	25.36	26.6	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	25.19	26.43	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	25.28	26.52	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	25.4	26.64	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	24.67	25.91	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	25.6	26.84	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	25.64	26.88	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	25.63	26.87	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	24.54	25.78	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	25.56	26.8	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	25.5	26.74	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	25.54	26.78	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	24.45	25.69	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	23	24.24	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	23.09	24.33	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	23.25	24.49	33	PASS

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Band41	5MHz	64QAM	39675	25RB#0	23.22	24.46	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	23.82	25.06	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	23.67	24.91	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	23.59	24.83	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	22.75	23.99	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	24.44	25.68	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	24.37	25.61	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	24.38	25.62	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	23.51	24.75	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	25.95	27.19	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	26.09	27.33	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	26.27	27.51	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	25.62	26.86	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	26.14	27.38	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	26.36	27.6	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	26.12	27.36	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	25.47	26.71	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	26.46	27.7	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	26.27	27.51	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	26.23	27.47	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	25.36	26.6	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	25.18	26.42	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	25.38	26.62	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	25.58	26.82	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	24.66	25.9	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	25.48	26.72	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	25.67	26.91	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	25.42	26.66	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	24.51	25.75	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	25.64	26.88	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	25.46	26.7	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	25.54	26.78	33	PASS

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Band41	10MHz	16QAM	41540	50RB#0	24.47	25.71	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	22.98	24.22	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	23.21	24.45	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	23.43	24.67	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	23.28	24.52	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	23.74	24.98	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	23.59	24.83	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	23.44	24.68	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	22.64	23.88	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	24.45	25.69	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	24.42	25.66	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	24.37	25.61	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	23.4	24.64	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	26.04	27.28	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	26.31	27.55	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	26.4	27.64	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	25.57	26.81	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	26.12	27.36	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	26.35	27.59	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	26.16	27.4	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	25.48	26.72	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	26.22	27.46	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	26.17	27.41	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	26.22	27.46	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	25.32	26.56	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	25.29	26.53	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	25.6	26.84	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	25.73	26.97	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	24.58	25.82	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	25.49	26.73	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	25.64	26.88	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	25.5	26.74	33	PASS

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Band41	15MHz	16QAM	40620	75RB#0	24.52	25.76	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	25.51	26.75	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	25.38	26.62	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	25.56	26.8	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	24.35	25.59	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	23.1	24.34	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	23.46	24.7	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	23.76	25	33	PASS
Band41	15MHz	64QAM	39725	75RB#0	23.33	24.57	33	PASS
Band41	15MHz	64QAM	40620	1RB#0	23.88	25.12	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	23.55	24.79	33	PASS
Band41	15MHz	64QAM	40620	1RB#74	23.41	24.65	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	22.73	23.97	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	24.35	25.59	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	24.32	25.56	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	24.38	25.62	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	23.37	24.61	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	26.09	27.33	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	26.38	27.62	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	26.33	27.57	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	25.49	26.73	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	25.99	27.23	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	26.33	27.57	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	26	27.24	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	25.45	26.69	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	26.35	27.59	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	26.21	27.45	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	26.2	27.44	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	25.37	26.61	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	25.32	26.56	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	25.69	26.93	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	25.69	26.93	33	PASS

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Band41	20MHz	16QAM	39750	100RB#0	24.54	25.78	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	25.35	26.59	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	25.65	26.89	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	25.32	26.56	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	24.48	25.72	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	25.46	26.7	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	25.55	26.79	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	25.46	26.7	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	24.43	25.67	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	23.15	24.39	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	23.55	24.79	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	23.95	25.19	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	23.51	24.75	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	23.86	25.1	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	23.72	24.96	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	23.26	24.5	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	22.77	24.01	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	24.44	25.68	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	24.3	25.54	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	24.33	25.57	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	23.38	24.62	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	8.98	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.88	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.10	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.78	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.76	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.72	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	9.84	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	9.94	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	9.98	13	PASS

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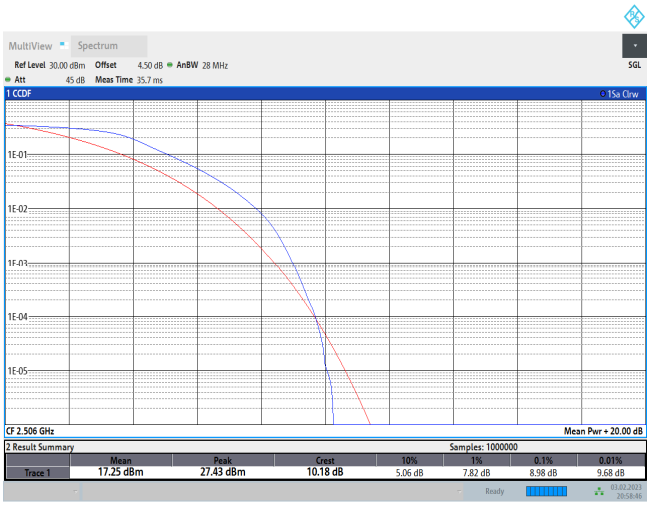
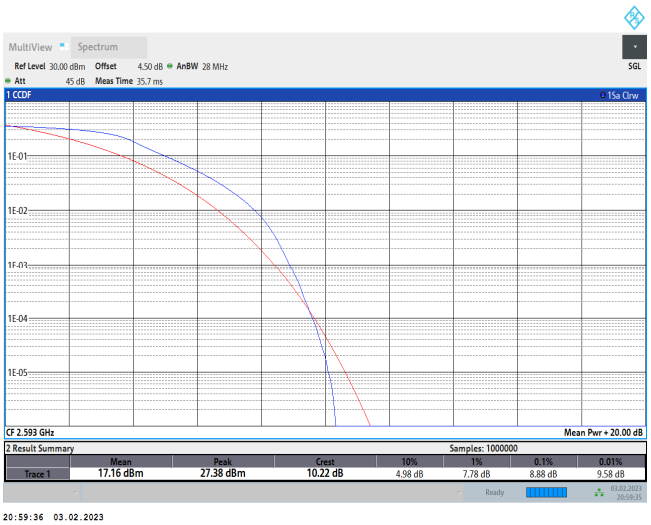
Test Graphs

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



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



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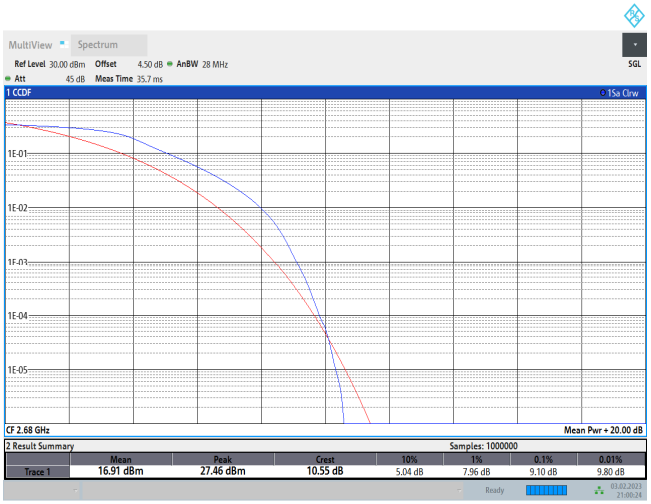
Band41-20MHz-QPSK-41490-100RB#0



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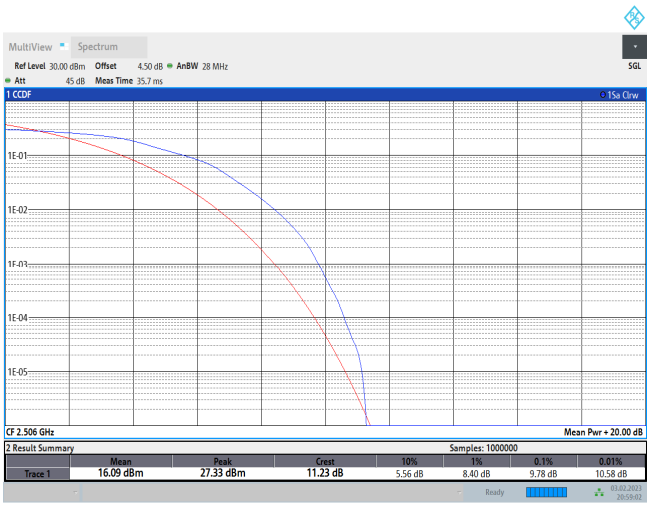
Band41-20MHz-16QAM-39750-100RB#0



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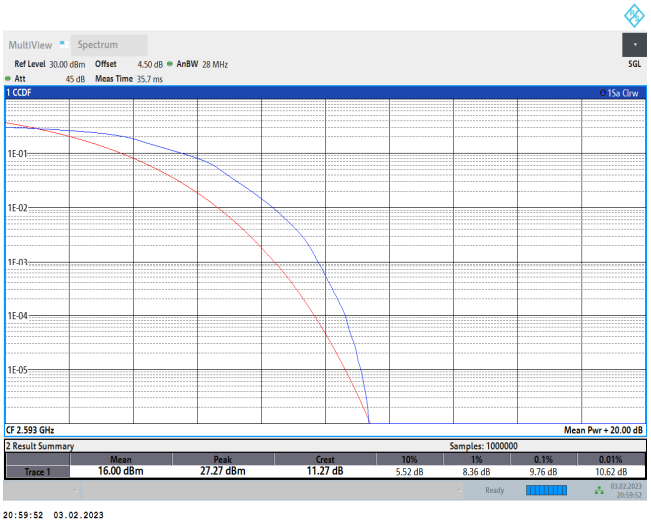
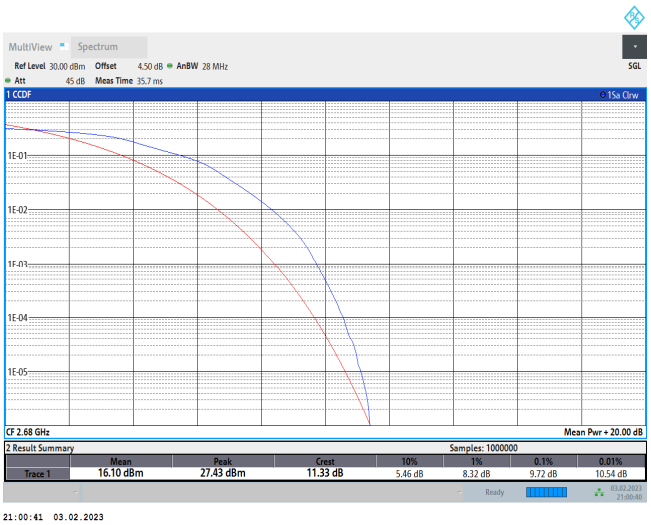
Band41-20MHz-16QAM-40620-100RB#0



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



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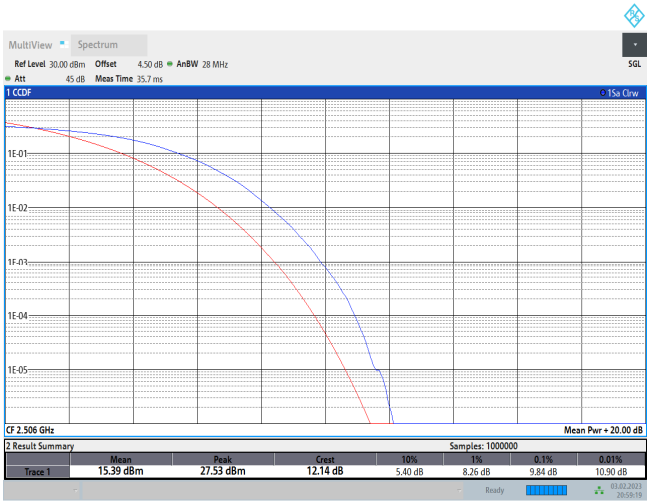
Band41-20MHz-64QAM-39750-100RB#0



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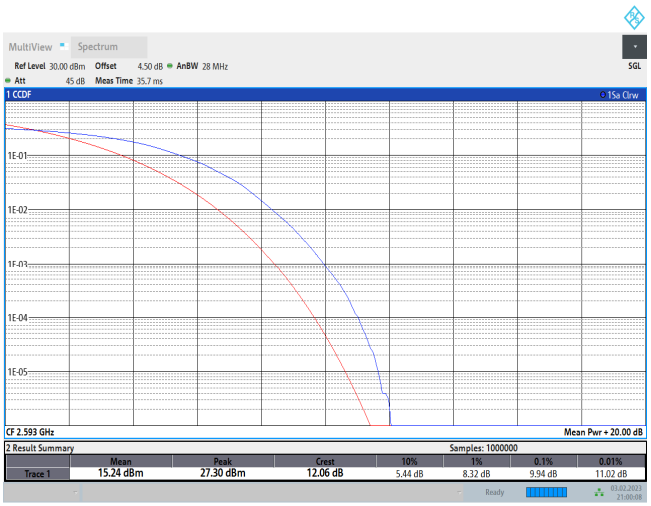
Band41-20MHz-64QAM-40620-100RB#0



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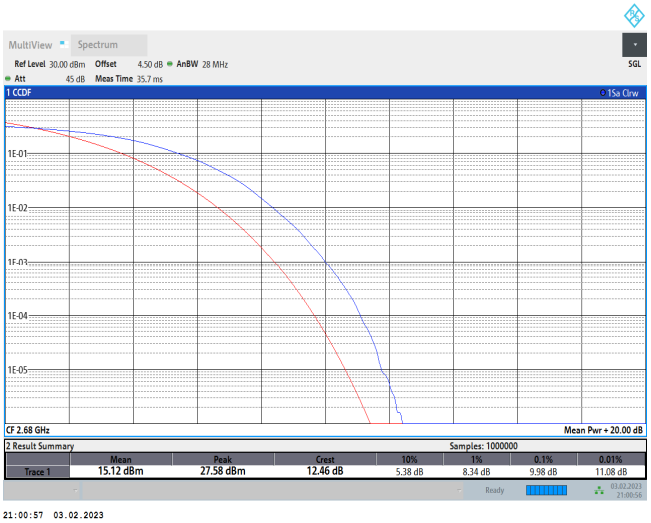
Band41-20MHz-64QAM-41490-100RB#0



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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	39675	25RB#0	4.476	4.85	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.474	4.86	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.474	4.85	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.465	4.87	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.464	4.87	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.463	4.87	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.475	4.84	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.468	4.83	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.474	4.84	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.912	9.66	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.908	9.70	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.92	9.62	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.917	9.58	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.921	9.58	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.91	9.60	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.922	9.70	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.921	9.66	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.92	9.68	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.453	14.82	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.457	14.76	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.461	14.79	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.442	14.64	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.446	14.70	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.447	14.70	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.442	14.70	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.424	14.64	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.412	14.70	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.831	19.16	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.893	19.36	PASS

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Band41	20MHz	QPSK	41490	100RB#0	17.883	19.40	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.804	19.32	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.845	19.32	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.834	19.32	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.85	19.40	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.843	19.40	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.853	19.32	PASS

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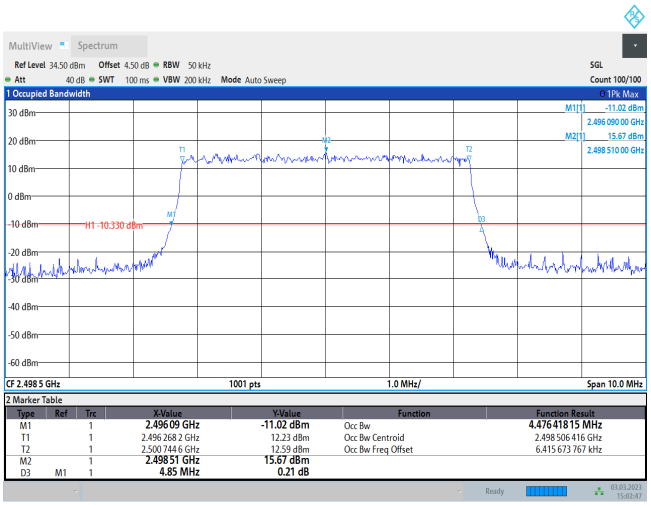
Test Graphs

Band41-5MHz-QPSK-39675-25RB#0



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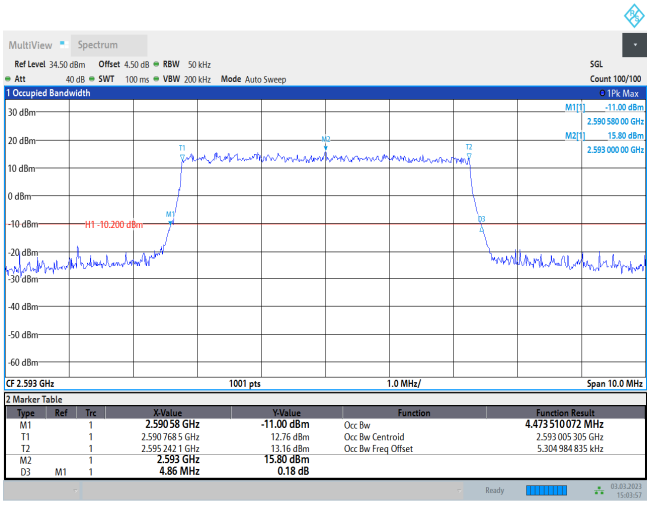

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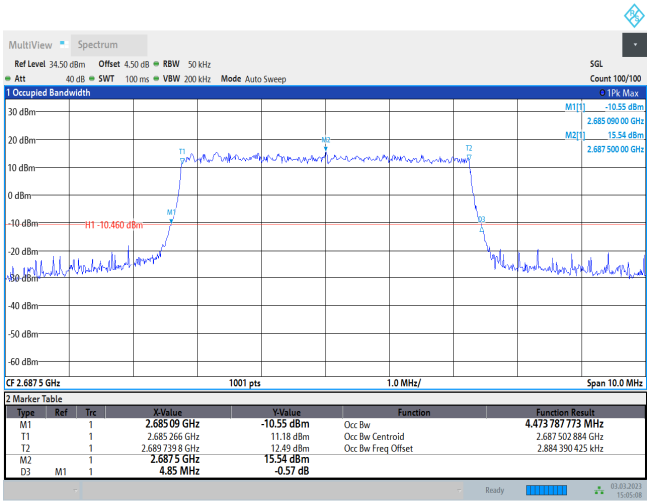
Band41-5MHz-QPSK-41565-25RB#0



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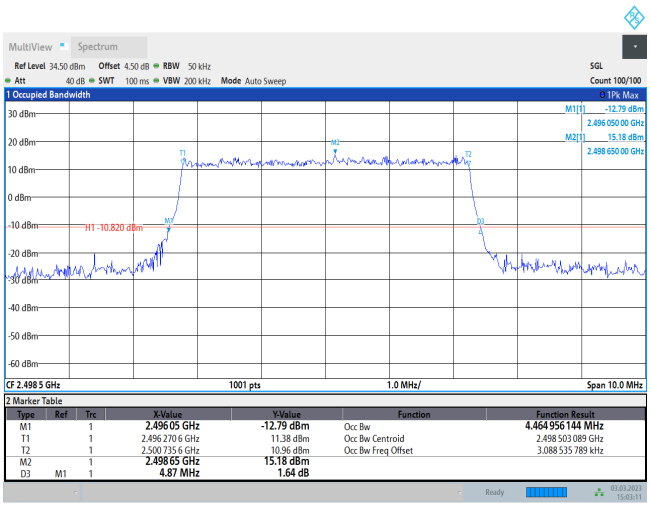
Band41-5MHz-16QAM-39675-25RB#0



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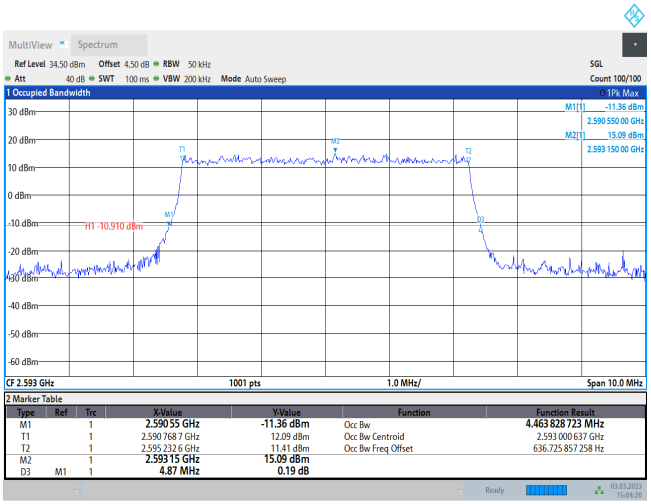

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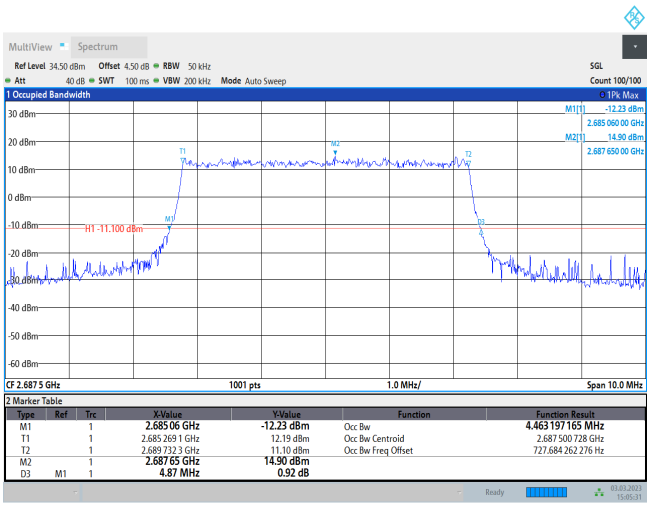

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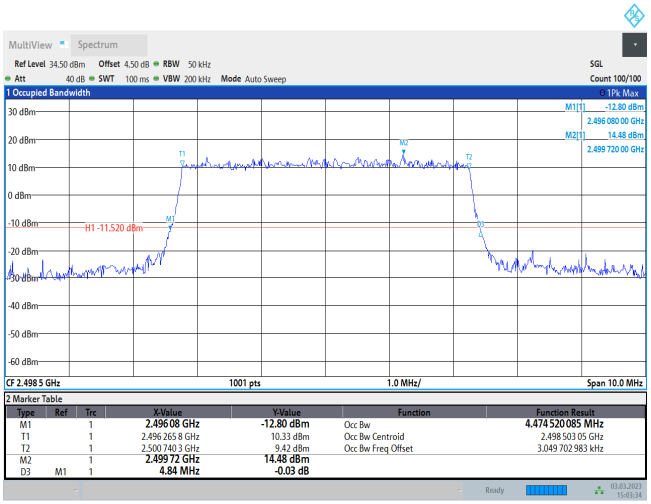

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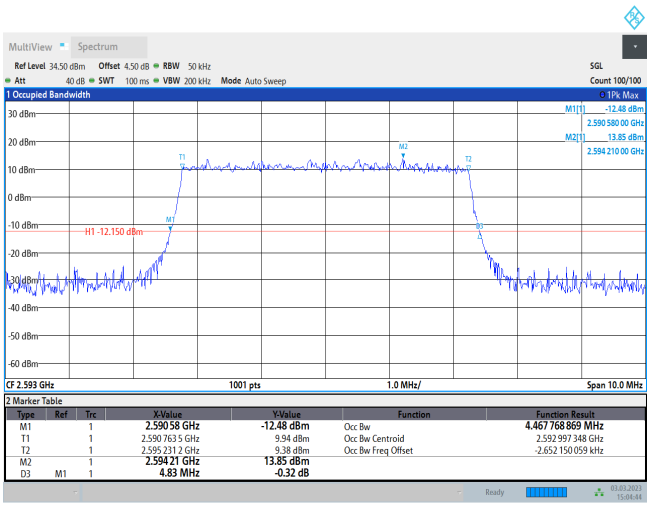

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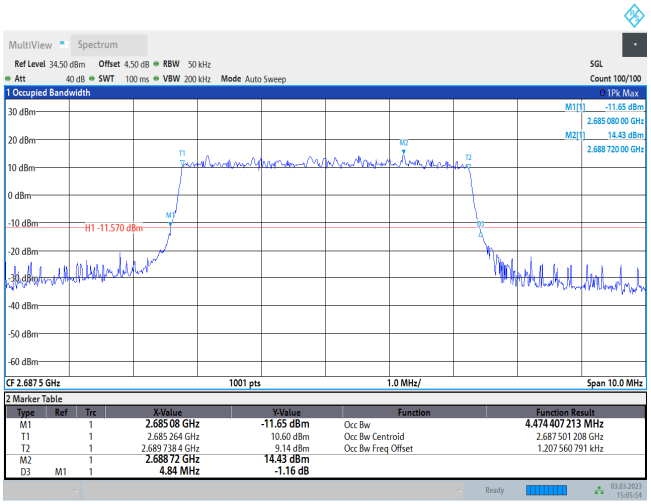
Band41-5MHz-64QAM-41565-25RB#0



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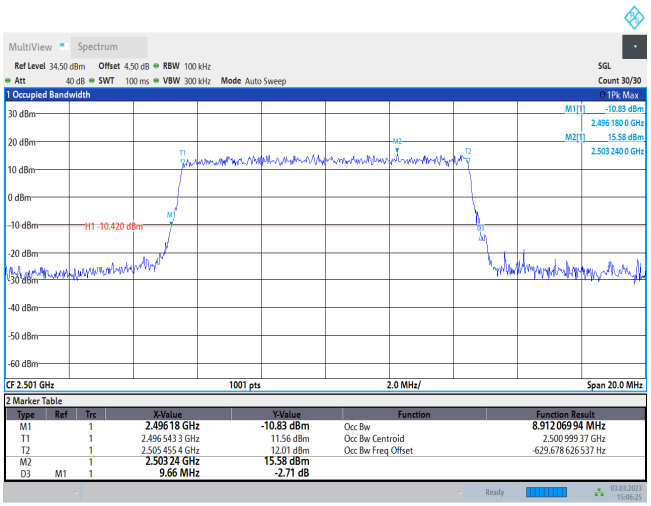

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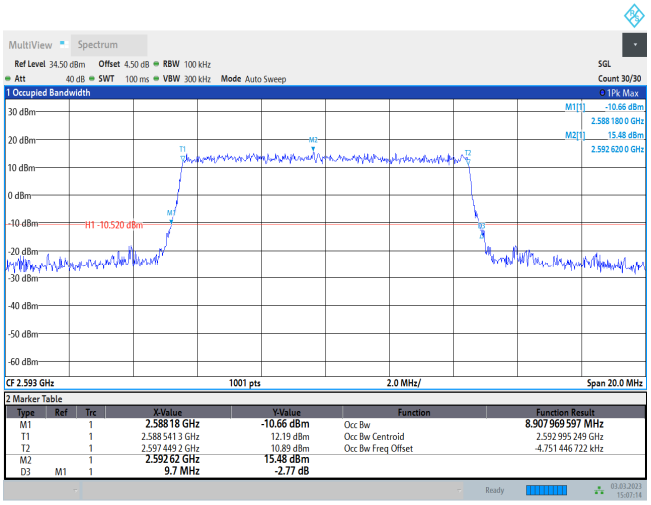
Band41-10MHz-QPSK-40620-50RB#0



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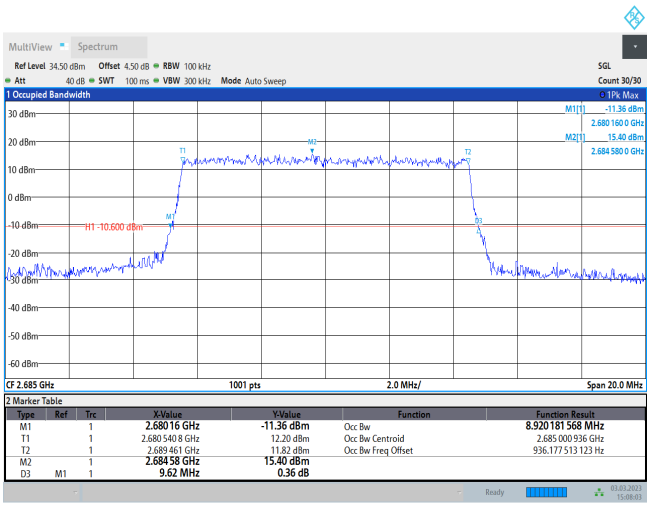

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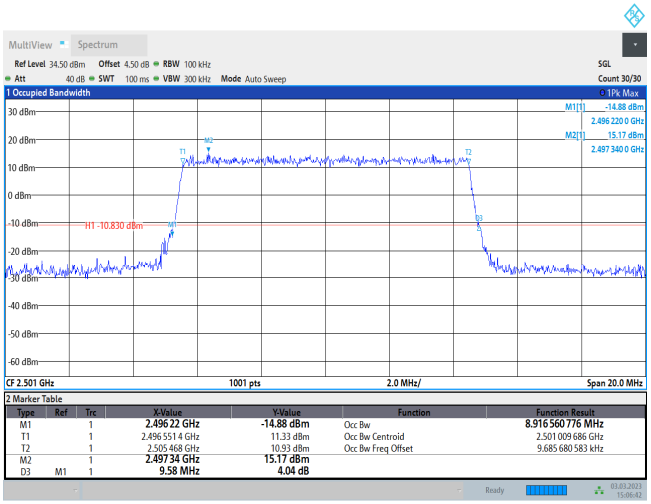
Band41-10MHz-16QAM-39700-50RB#0



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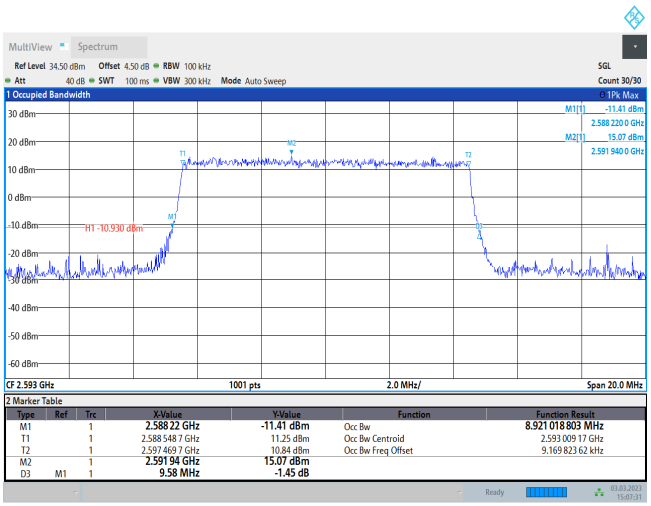
Band41-10MHz-16QAM-40620-50RB#0



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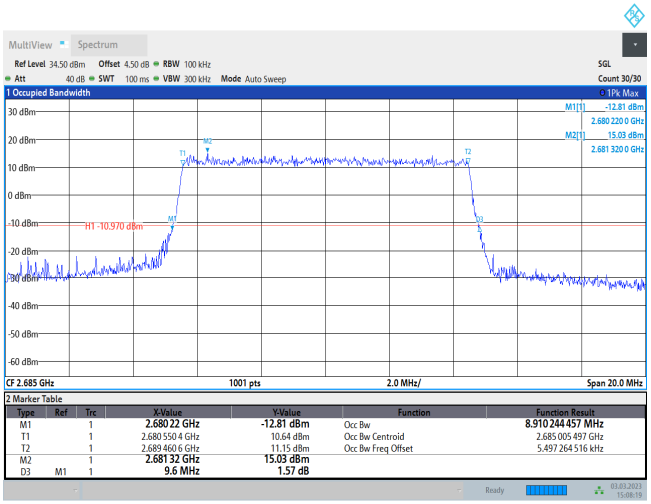
Band41-10MHz-16QAM-41540-50RB#0



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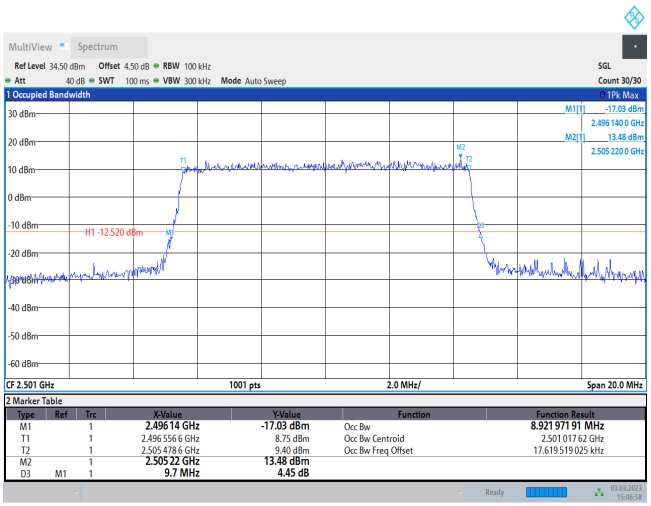
Band41-10MHz-64QAM-39700-50RB#0



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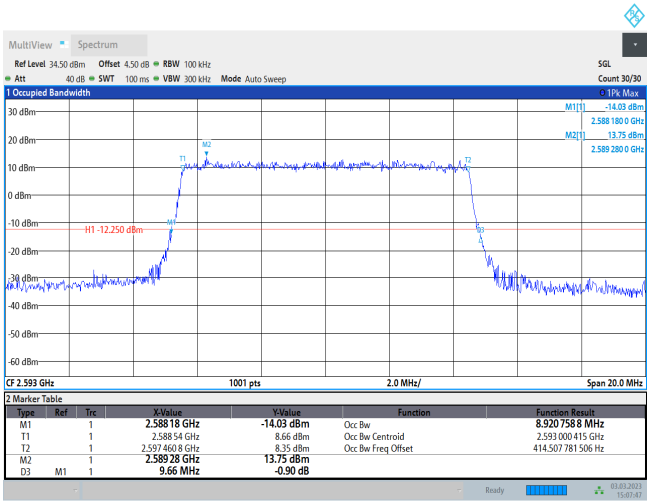
Band41-10MHz-64QAM-40620-50RB#0



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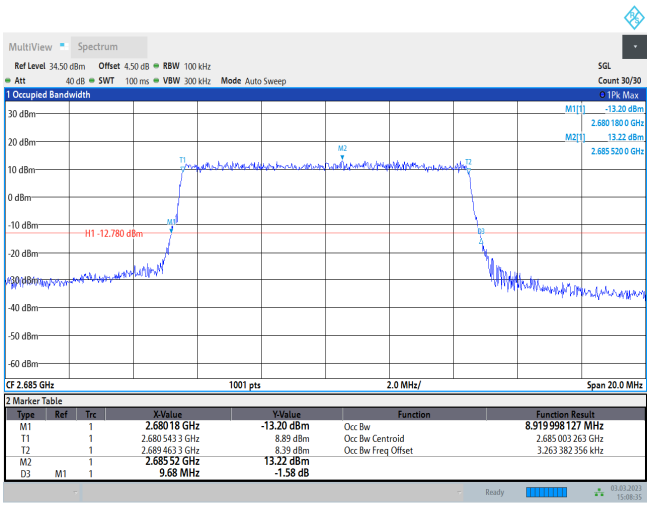
Band41-10MHz-64QAM-41540-50RB#0



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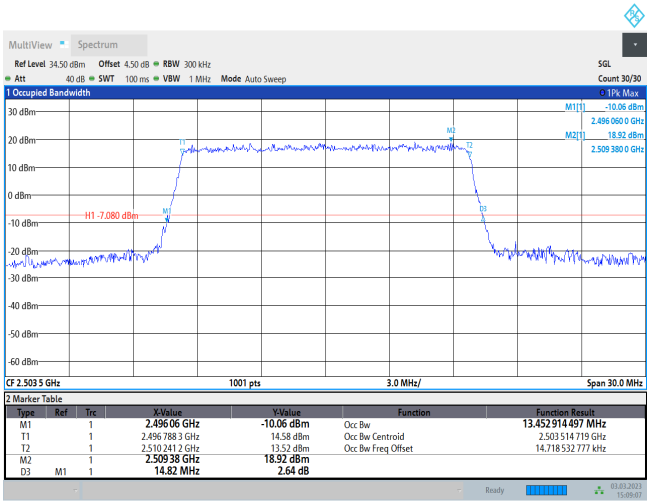
Band41-15MHz-QPSK-39725-75RB#0



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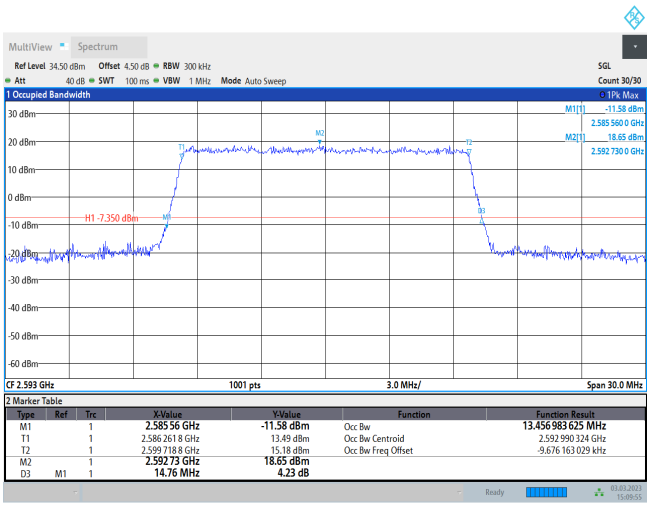
Band41-15MHz-QPSK-40620-75RB#0



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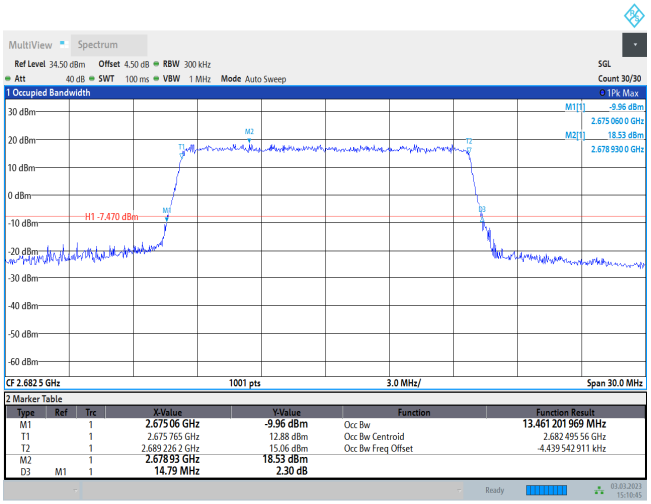
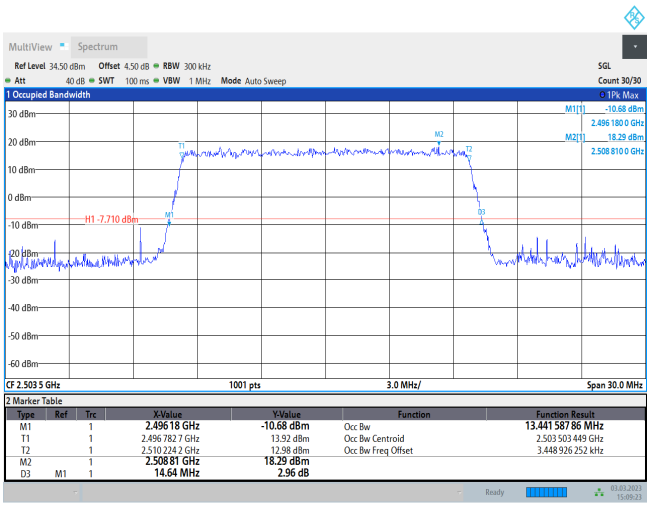
Band41-15MHz-QPSK-41515-75RB#0



Band41-15MHz-16QAM-39725-75RB#0



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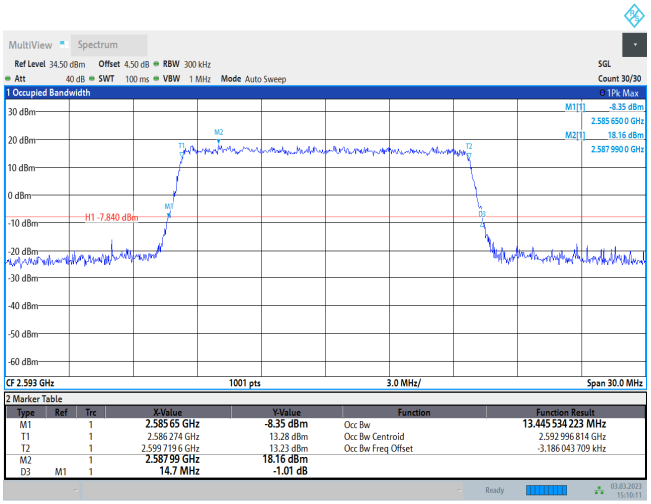
Band41-15MHz-16QAM-40620-75RB#0



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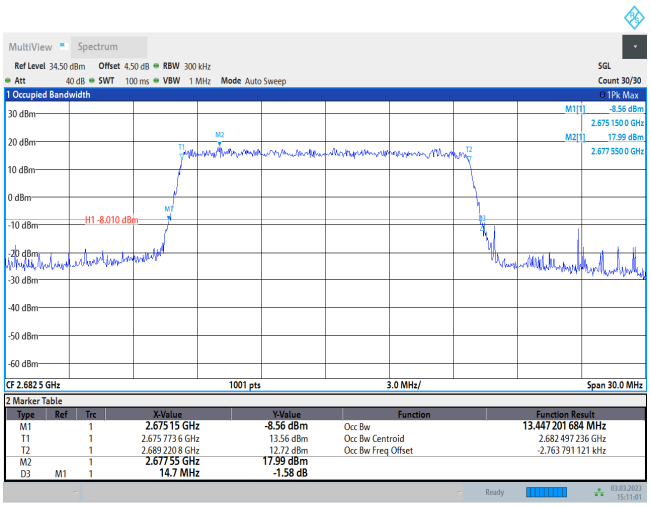

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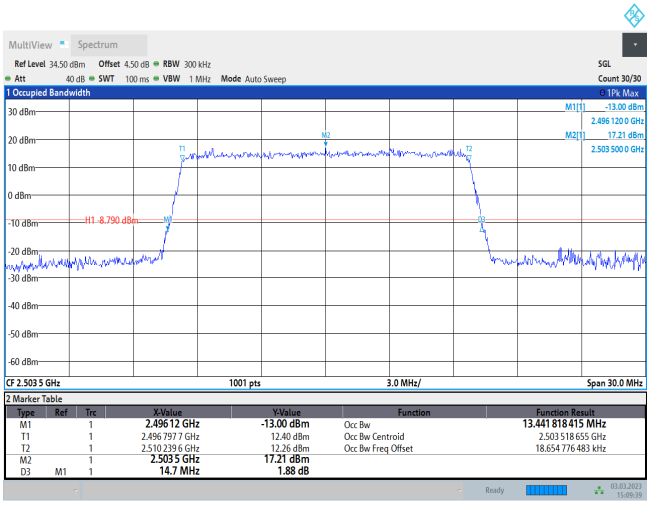
Band41-15MHz-64QAM-39725-75RB#0



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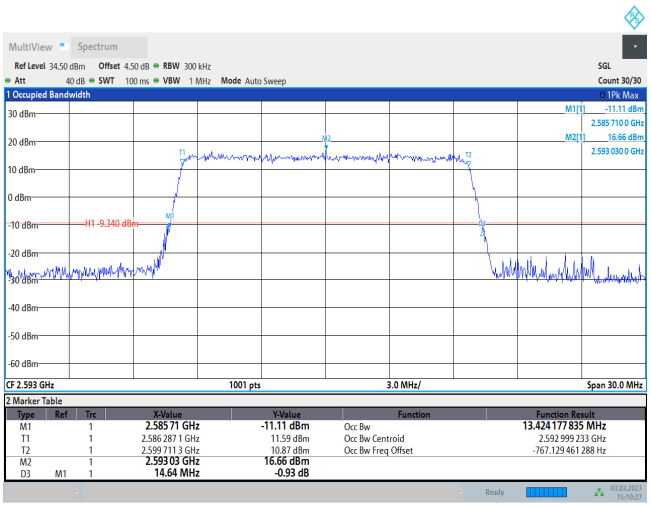

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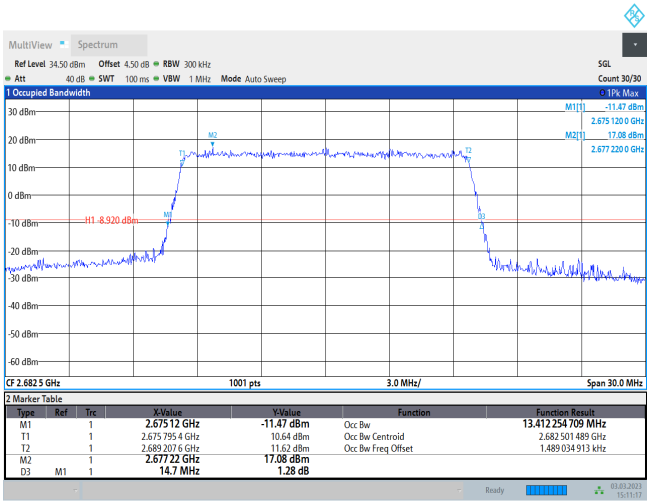
Band41-15MHz-64QAM-41515-75RB#0



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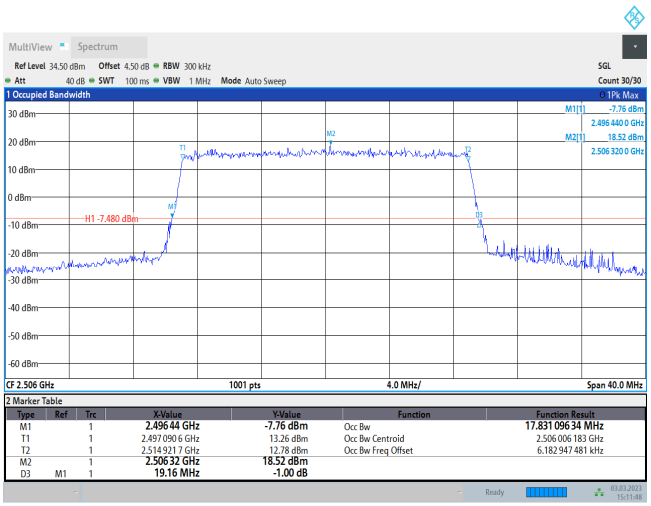
Band41-20MHz-QPSK-39750-100RB#0



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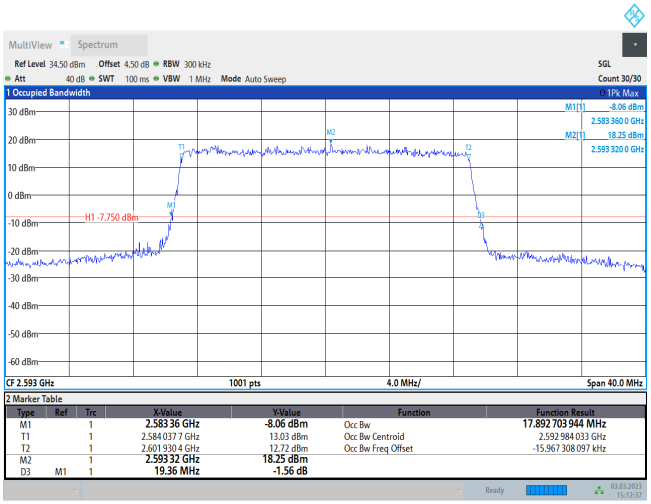
Band41-20MHz-QPSK-40620-100RB#0



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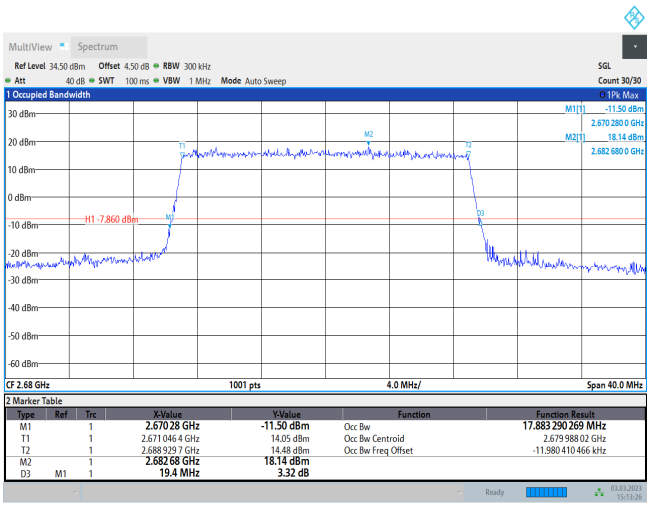

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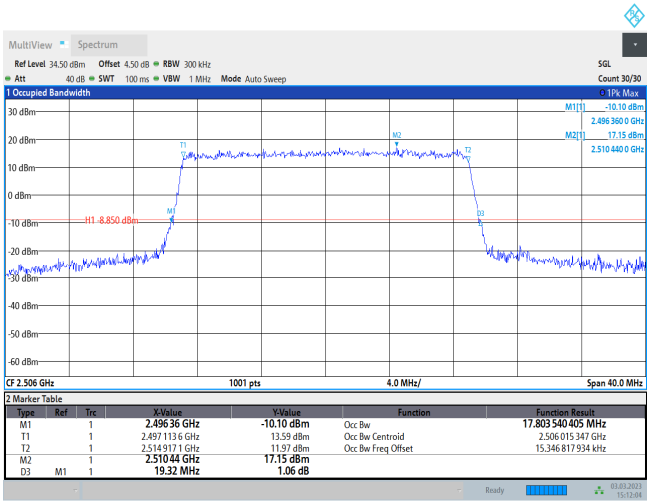
Band41-20MHz-16QAM-39750-100RB#0



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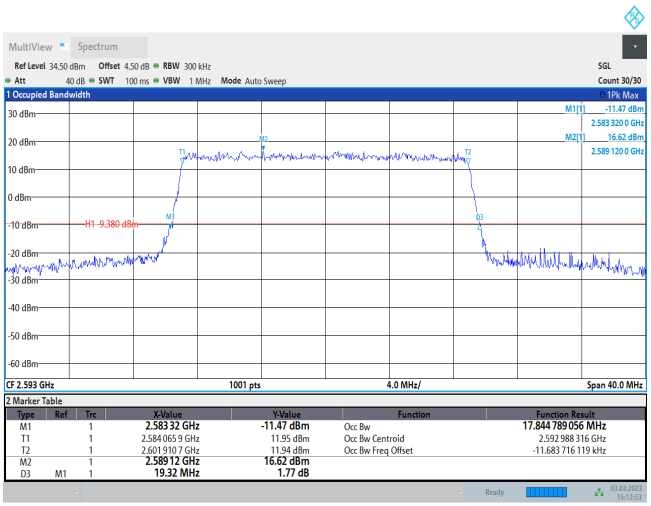

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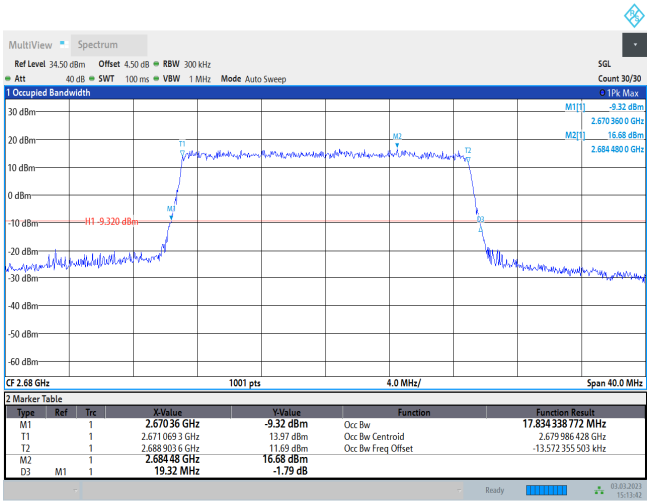
Band41-20MHz-16QAM-41490-100RB#0



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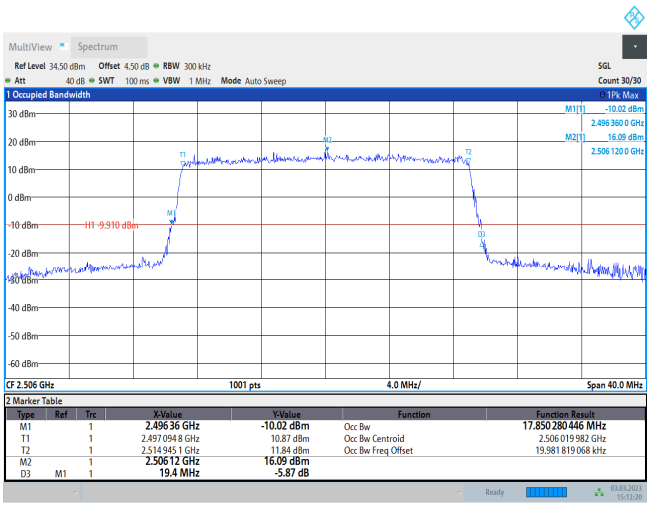
Band41-20MHz-64QAM-39750-100RB#0



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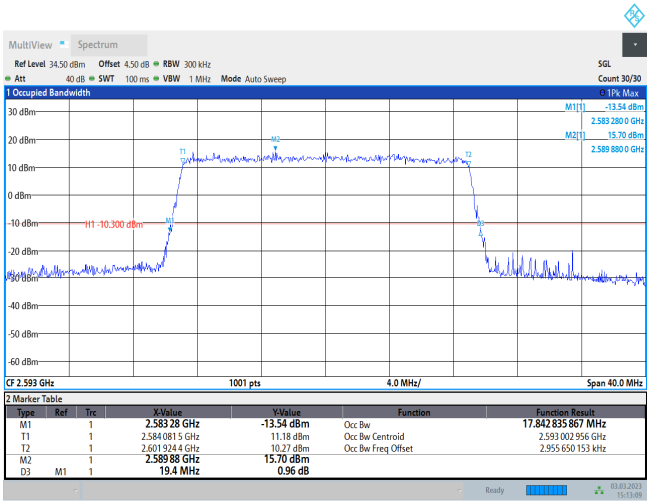
Band41-20MHz-64QAM-40620-100RB#0



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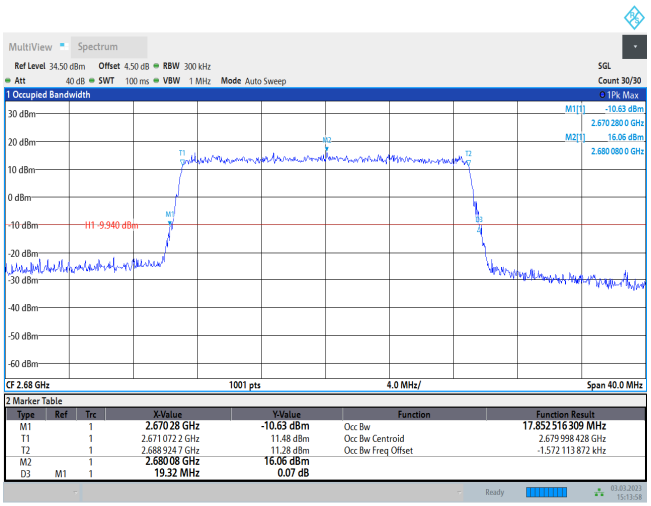
Band41-20MHz-64QAM-41490-100RB#0



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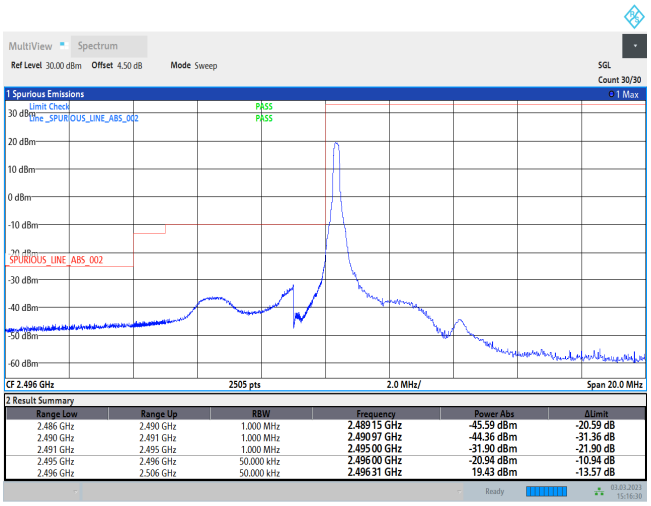
Band Edge

Test Graphs

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



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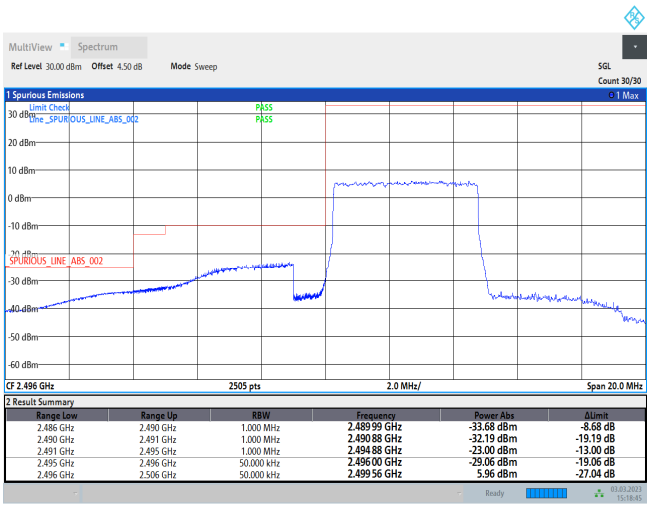

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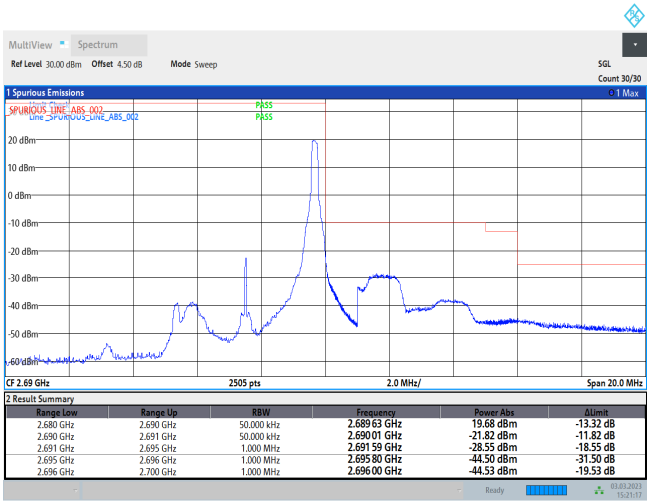
Band41-5MHz-QPSK-41565-1RB#24



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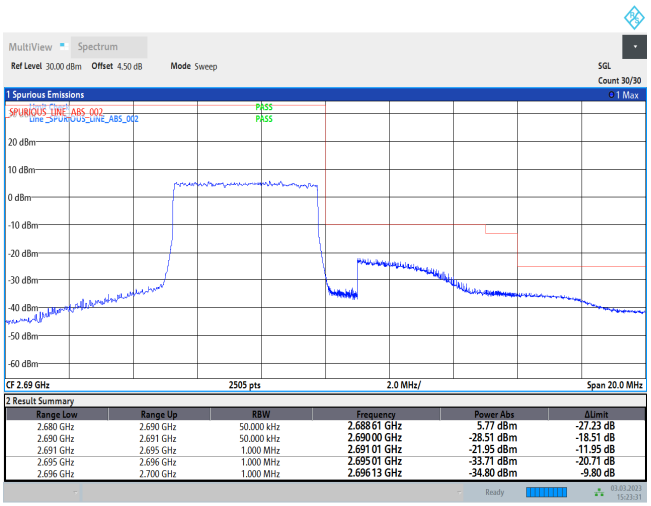
Band41-5MHz-QPSK-41565-25RB#0



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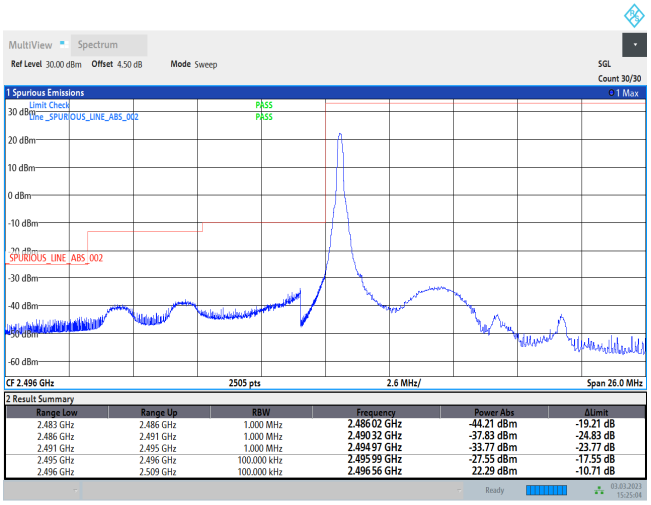
Band41-10MHz-QPSK-39700-1RB#0



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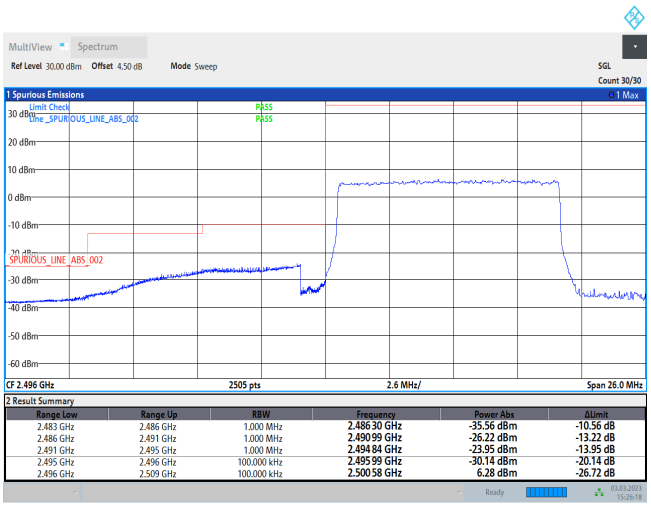

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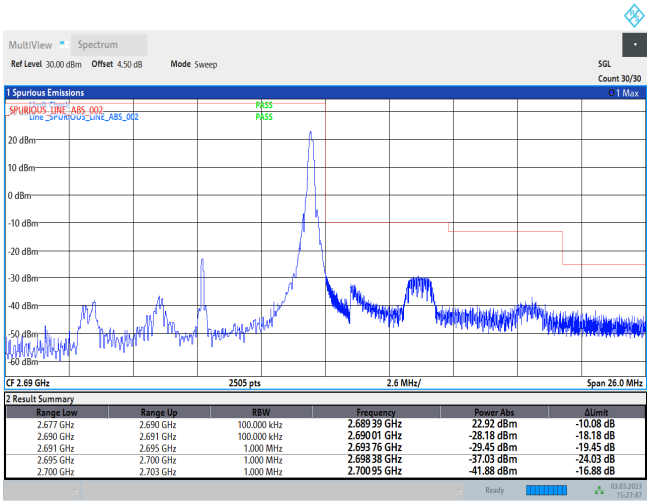
Band41-10MHz-QPSK-41540-1RB#49



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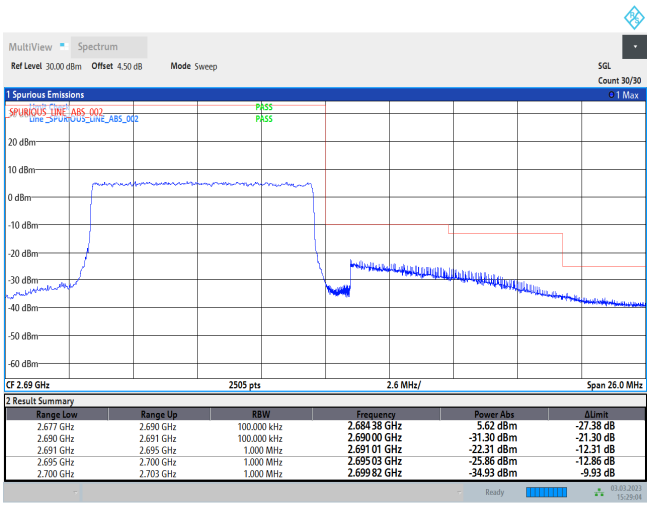
Band41-10MHz-QPSK-41540-50RB#0



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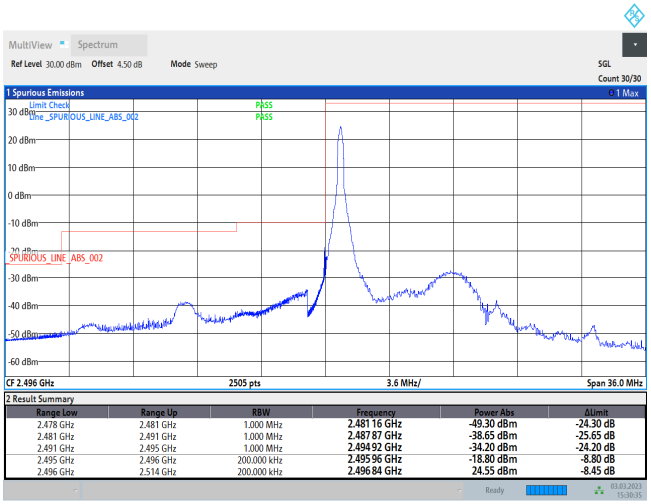
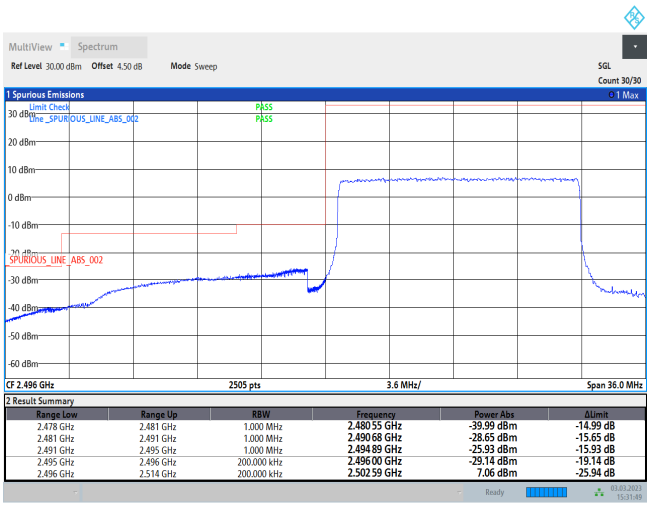
Band41-15MHz-QPSK-39725-1RB#0



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



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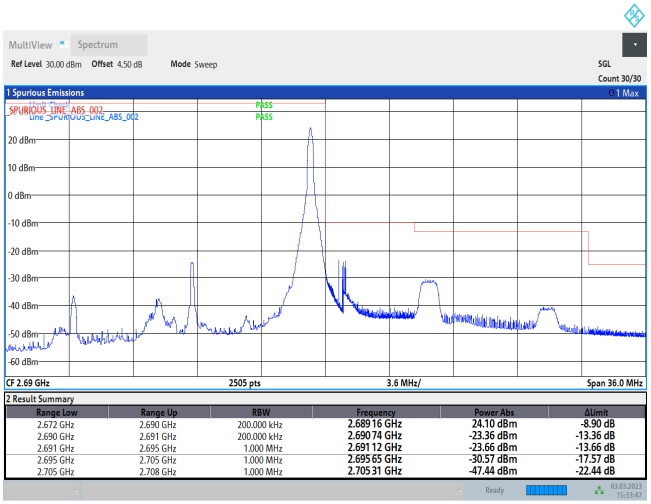
Band41-15MHz-QPSK-41515-1RB#74



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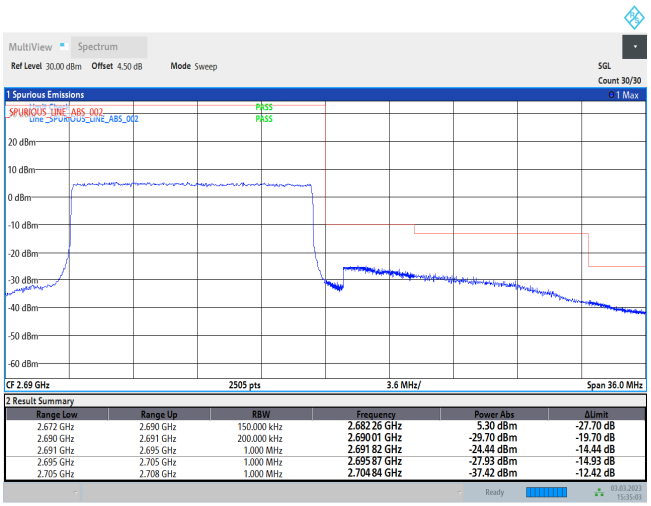
Band41-15MHz-QPSK-41515-75RB#0



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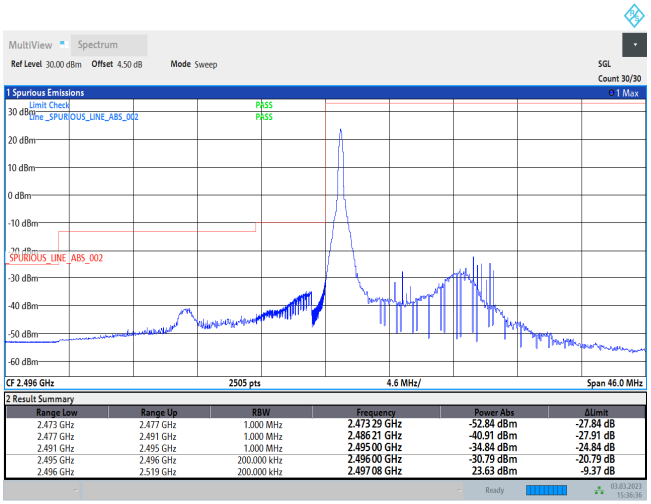
Band41-20MHz-QPSK-39750-1RB#0



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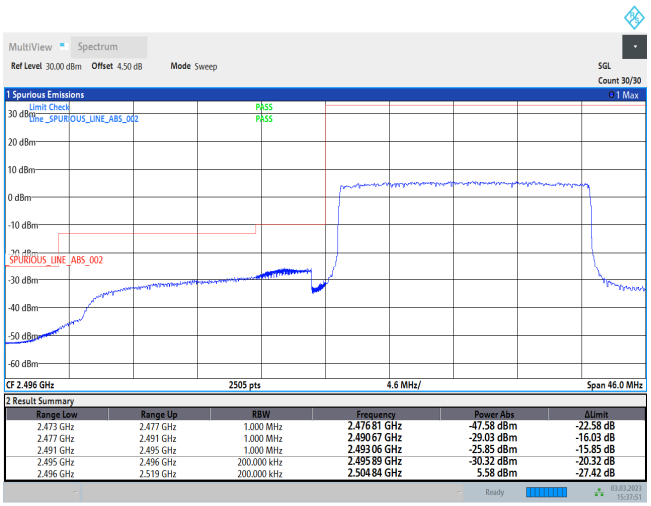
Band41-20MHz-QPSK-39750-100RB#0



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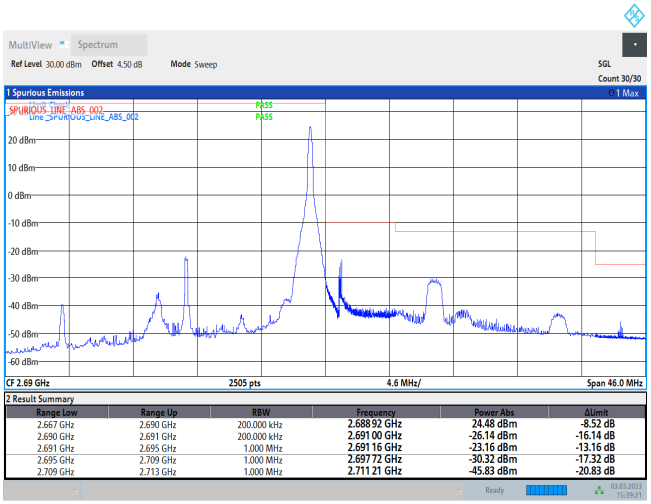
Band41-20MHz-QPSK-41490-1RB#99



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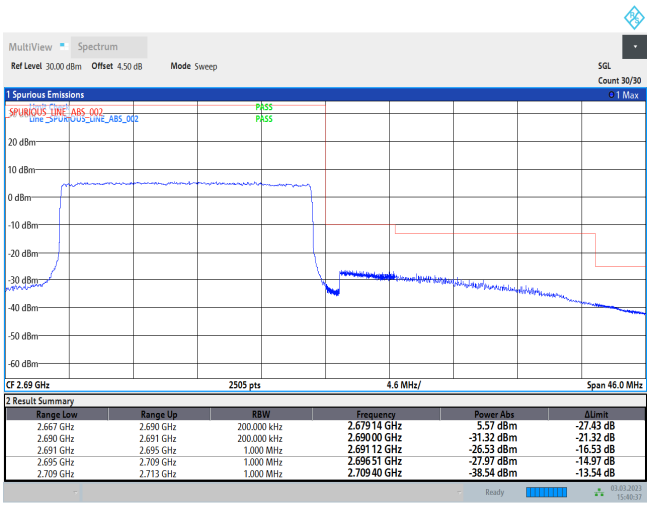
Band41-20MHz-QPSK-41490-100RB#0



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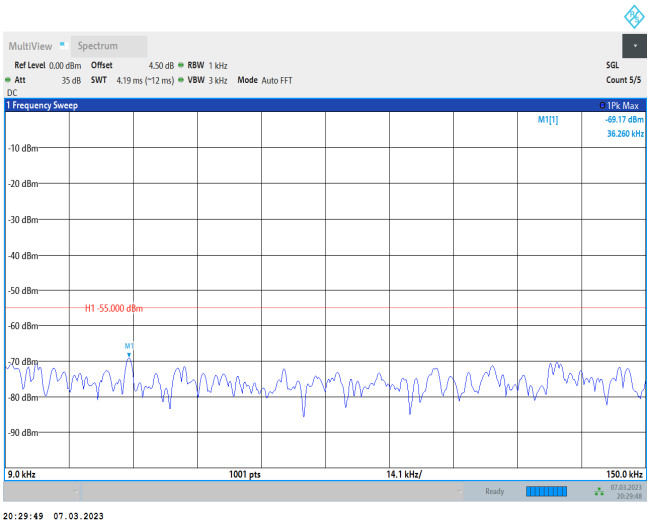
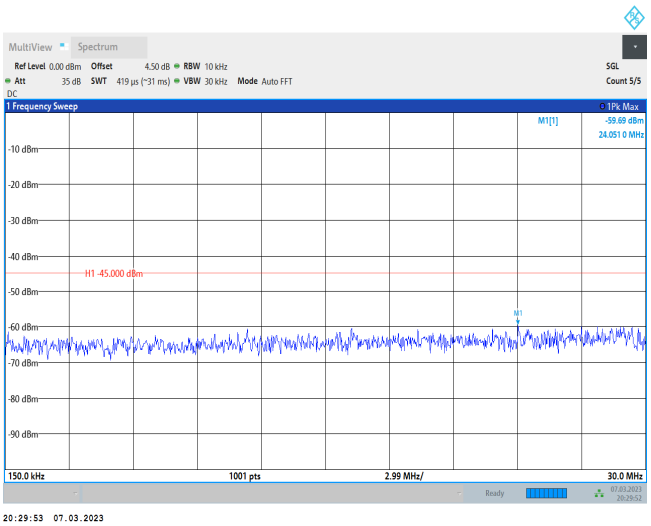
Conducted Spurious Emission

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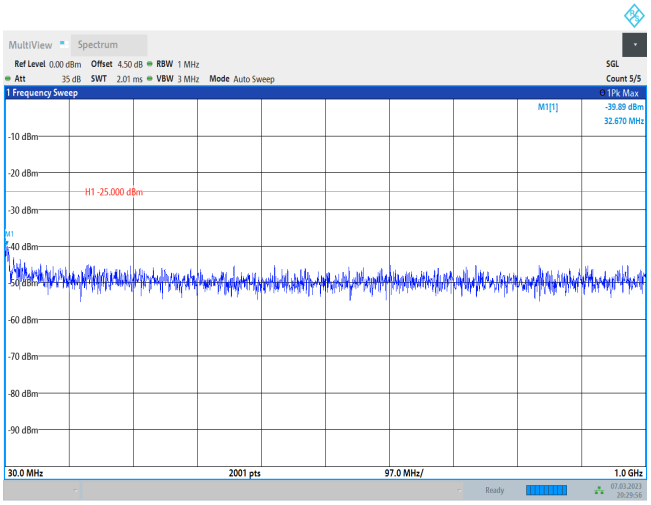
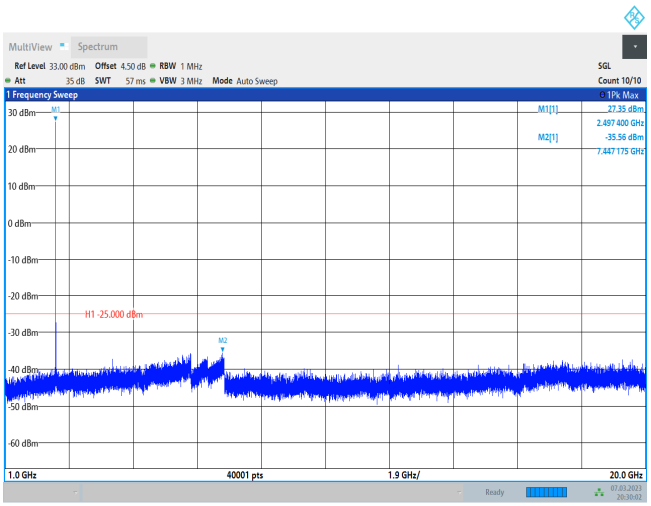
Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



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



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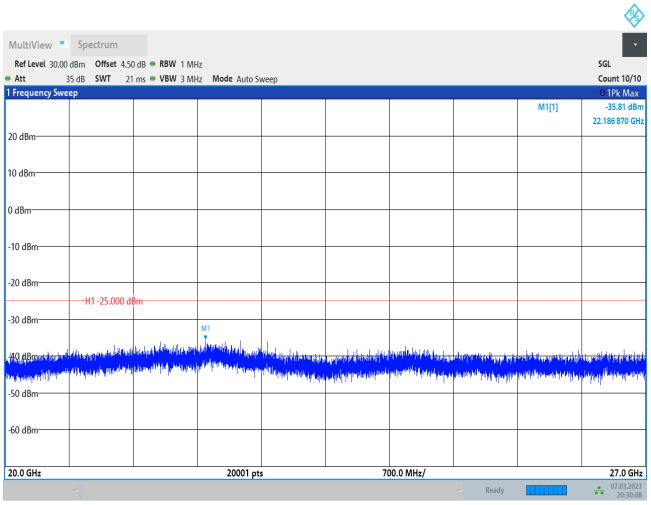
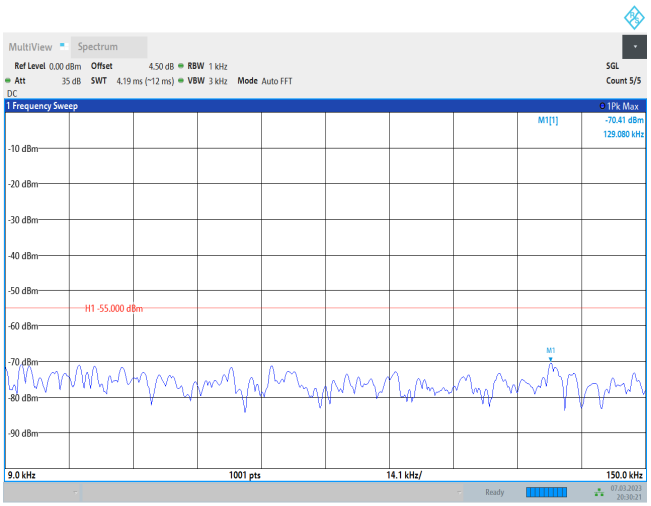
Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



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



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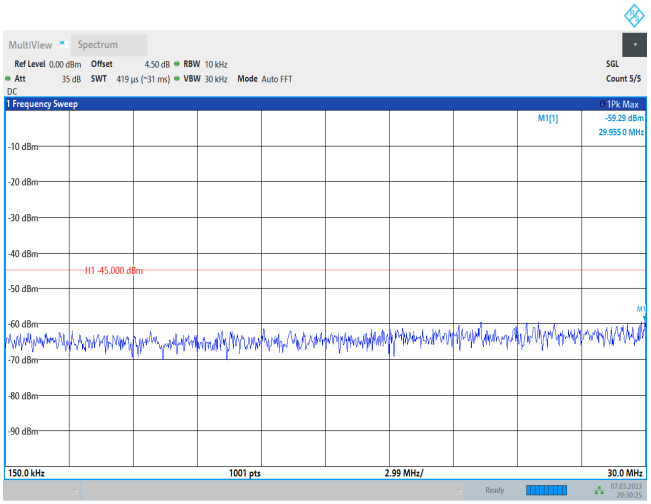
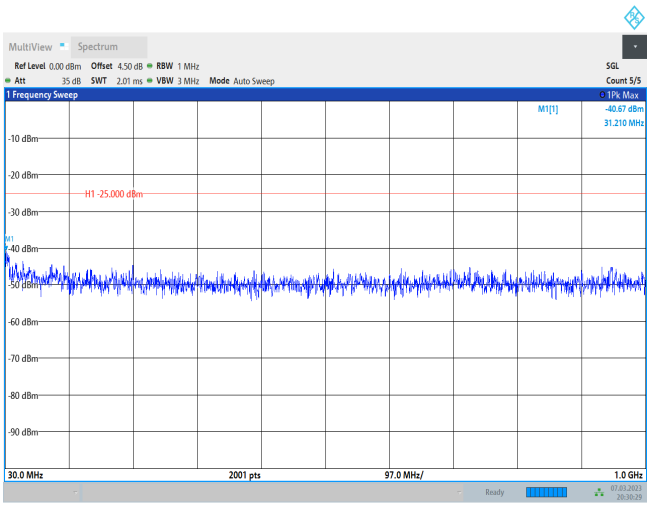
Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



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



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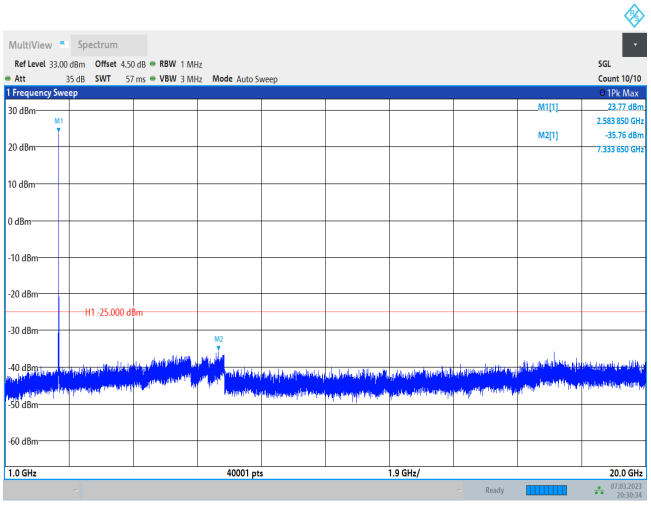
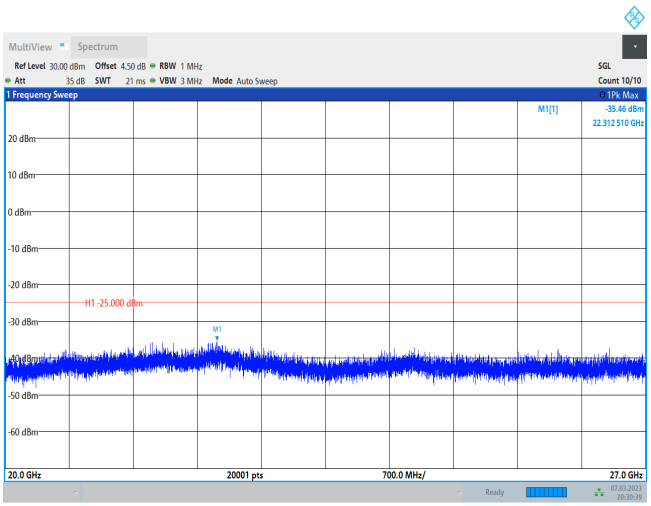
Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



Band41-20MHz-QPSK-40620-1RB#0-Range5:20000~27000MHz



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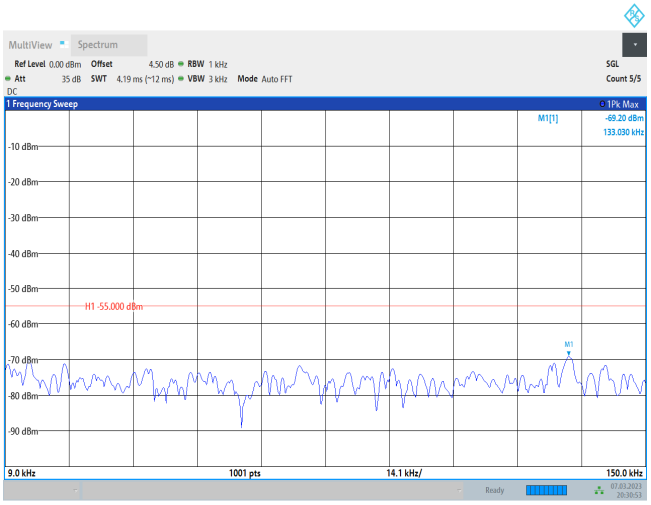
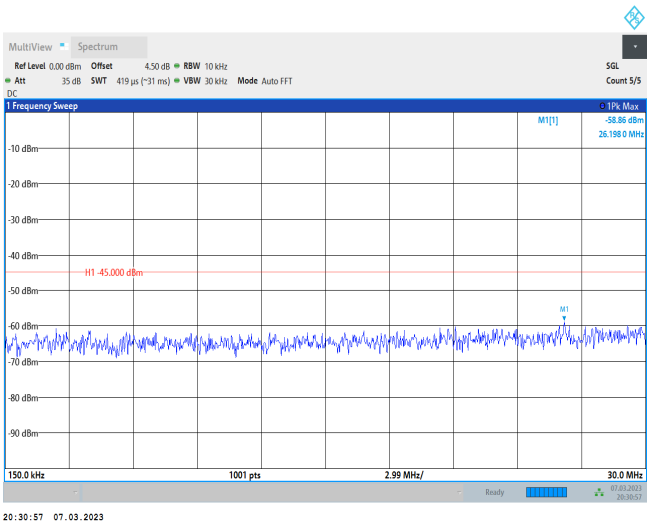
Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



Band41-20MHz-QPSK-41490-1RB#0-Range2:0.15~30MHz



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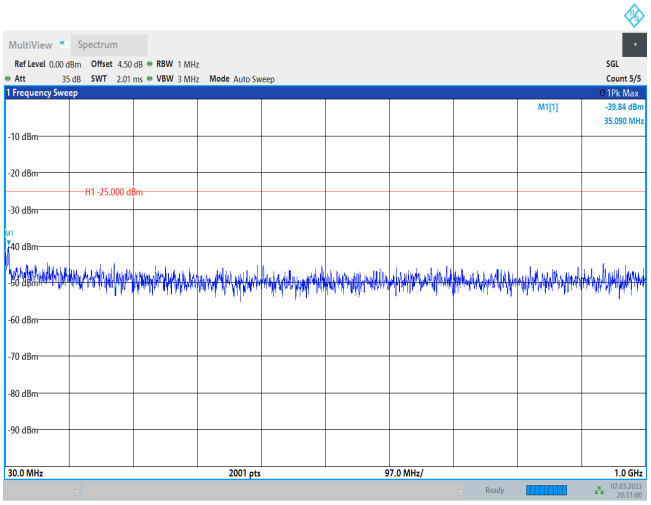
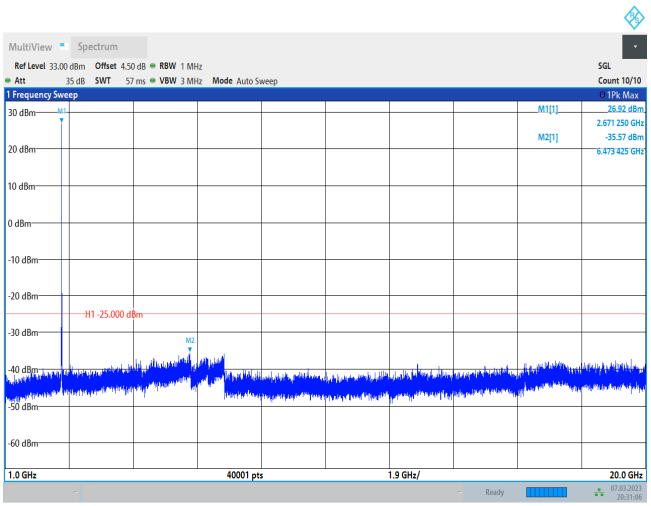
Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



Band41-20MHz-QPSK-41490-1RB#0-Range4:1000~20000MHz



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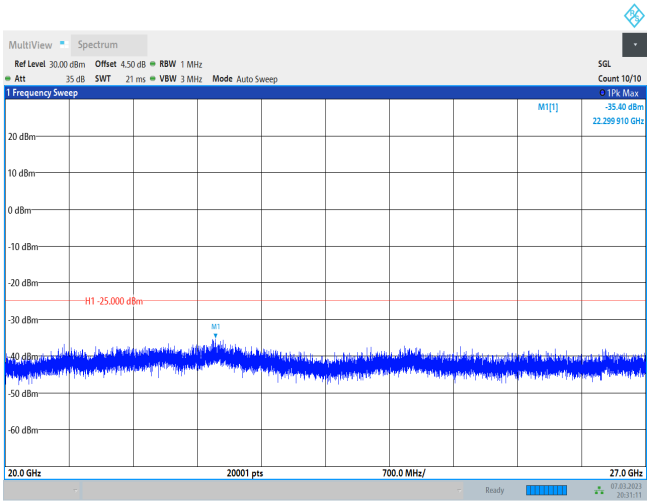
Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 41_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	41.06	-44.94	32.59	-66.55	-25.00	41.55	241	360	Horizontal
2	7491.27	39.59	-41.63	36.49	-60.81	-25.00	35.81	142	359	Horizontal
3	9988.36	33.58	-37.16	38.50	-60.34	-25.00	35.34	263	208	Horizontal
4	12485.45	31.78	-35.26	39.09	-59.65	-25.00	34.65	225	346	Horizontal
5	14982.54	31.01	-33.99	39.22	-59.02	-25.00	34.02	185	286	Horizontal
6	17479.63	29.20	-31.91	40.52	-57.45	-25.00	32.45	126	20	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.18	40.62	-44.94	32.59	-66.99	-25.00	41.99	254	360	Vertical
2	7491.27	39.11	-41.63	36.49	-61.29	-25.00	36.29	142	163	Vertical
3	9988.36	34.03	-37.16	38.50	-59.89	-25.00	34.89	296	163	Vertical
4	12485.45	32.50	-35.26	39.09	-58.93	-25.00	33.93	365	227	Vertical
5	14982.54	31.59	-33.99	39.22	-58.44	-25.00	33.44	241	184	Vertical
6	17479.63	29.47	-31.91	40.52	-57.18	-25.00	32.18	142	308	Vertical

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Test Band = LTE Band 41_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17825	32.98	-30.87	41.90	-51.25	-25.00	26.25	296	188	Horizontal
2	5168.18	41.59	-44.19	32.60	-65.26	-25.00	40.26	265	294	Horizontal
3	7752.27	38.13	-40.96	37.01	-61.08	-25.00	36.08	241	229	Horizontal
4	10336.36	35.20	-36.70	38.87	-57.89	-25.00	32.89	142	169	Horizontal
5	12920.45	32.58	-34.87	39.52	-58.03	-25.00	33.03	263	229	Horizontal
6	15504.54	31.16	-34.16	38.54	-59.71	-25.00	34.71	228	351	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17903.5	33.17	-31.07	42.21	-50.95	-25.00	25.95	145	167	Vertical
2	5168.18	43.02	-44.19	32.60	-63.83	-25.00	38.83	265	146	Vertical
3	7752.27	39.04	-40.96	37.01	-60.17	-25.00	35.17	284	294	Vertical
4	10336.36	35.23	-36.70	38.87	-57.86	-25.00	32.86	142	231	Vertical
5	12920.45	32.80	-34.87	39.52	-57.81	-25.00	32.81	263	210	Vertical
6	15504.54	32.03	-34.16	38.54	-58.84	-25.00	33.84	228	358	Vertical

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Test Band = LTE Band 41_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17952.5	32.68	-31.25	42.41	-51.42	-25.00	26.42	296	273	Horizontal
2	5255.18	41.31	-44.07	32.60	-65.42	-25.00	40.42	241	20	Horizontal
3	7882.77	37.97	-40.65	37.27	-60.68	-25.00	35.68	362	314	Horizontal
4	10510.36	32.28	-36.37	39.06	-60.28	-25.00	35.28	254	62	Horizontal
5	13137.95	31.59	-34.60	39.68	-58.58	-25.00	33.58	175	3	Horizontal
6	15765.54	32.27	-34.12	38.20	-58.91	-25.00	33.91	266	125	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17935	32.84	-31.19	42.34	-51.27	-25.00	26.27	142	63	Vertical
2	5255.18	41.63	-44.07	32.60	-65.10	-25.00	40.10	265	127	Vertical
3	7882.77	37.85	-40.65	37.27	-60.80	-25.00	35.80	284	3	Vertical
4	10510.36	32.74	-36.37	39.06	-59.82	-25.00	34.82	174	318	Vertical
5	13137.95	31.32	-34.60	39.68	-58.85	-25.00	33.85	145	127	Vertical
6	15765.54	31.61	-34.12	38.20	-59.57	-25.00	34.57	296	127	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	0.50	0.000193	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-8.00	-0.003085	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-11.10	-0.004281	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-2.80	-0.001080	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-3.20	-0.001234	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-9.30	-0.003587	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-10.70	-0.004126	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-11.00	-0.004242	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-11.60	-0.004474	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-6.20	-0.002391	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	0.00	0.000000	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-3.80	-0.001465	PASS

---End of Attachment---

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