

Appendix B.14

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	26.06	27.3	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	26.59	27.83	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	26.56	27.8	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	25.61	26.85	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	26.29	27.53	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	26.27	27.51	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	26.29	27.53	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	25.44	26.68	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	26.09	27.33	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	26.1	27.34	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	26.12	27.36	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	25.27	26.51	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	25.28	26.52	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	25.93	27.17	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	25.85	27.09	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	24.67	25.91	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	25.56	26.8	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	25.59	26.83	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	25.6	26.84	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	24.51	25.75	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	25.54	26.78	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	25.4	26.64	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	25.42	26.66	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	24.31	25.55	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	25.6	26.84	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	25.68	26.92	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	25.76	27	33	PASS



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Band41	5MHz	64QAM	39675	25RB#0	24.63	25.87	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	25.53	26.77	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	25.51	26.75	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	25.58	26.82	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	24.47	25.71	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	25.28	26.52	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	25.39	26.63	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	25.41	26.65	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	24.24	25.48	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	25.89	27.13	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	26.19	27.43	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	26.43	27.67	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	25.61	26.85	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	26.06	27.3	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	26.3	27.54	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	26.03	27.27	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	25.45	26.69	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	26	27.24	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	26.07	27.31	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	26.12	27.36	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	25.24	26.48	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	25.13	26.37	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	25.48	26.72	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	25.75	26.99	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	24.63	25.87	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	25.44	26.68	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	25.66	26.9	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	25.39	26.63	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	24.53	25.77	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	25.4	26.64	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	25.47	26.71	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	25.35	26.59	33	PASS



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Band41	10MHz	16QAM	41540	50RB#0	24.3	25.54	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	22.94	24.18	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	23.35	24.59	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	23.66	24.9	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	23.3	24.54	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	23.79	25.03	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	23.68	24.92	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	23.43	24.67	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	22.71	23.95	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	24.32	25.56	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	24.34	25.58	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	24.35	25.59	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	23.31	24.55	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	26.02	27.26	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	26.39	27.63	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	26.45	27.69	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	25.56	26.8	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	26.01	27.25	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	26.24	27.48	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	26.11	27.35	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	25.36	26.6	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	26.06	27.3	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	26.07	27.31	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	26.01	27.25	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	25.16	26.4	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	25.19	26.43	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	25.69	26.93	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	25.74	26.98	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	24.6	25.84	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	25.38	26.62	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	25.63	26.87	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	25.42	26.66	33	PASS



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Band41	15MHz	16QAM	40620	75RB#0	24.37	25.61	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	25.36	26.6	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	25.28	26.52	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	25.31	26.55	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	24.2	25.44	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	23.03	24.27	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	23.59	24.83	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	23.84	25.08	33	PASS
Band41	15MHz	64QAM	39725	75RB#0	23.3	24.54	33	PASS
Band41	15MHz	64QAM	40620	1RB#0	23.89	25.13	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	23.56	24.8	33	PASS
Band41	15MHz	64QAM	40620	1RB#74	23.35	24.59	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	22.73	23.97	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	24.17	25.41	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	24.14	25.38	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	24.16	25.4	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	23.2	24.44	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	26	27.24	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	26.32	27.56	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	26.31	27.55	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	25.48	26.72	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	25.86	27.1	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	26.22	27.46	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	25.94	27.18	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	25.33	26.57	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	26.27	27.51	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	25.99	27.23	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	26.11	27.35	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	25.24	26.48	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	25.14	26.38	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	25.67	26.91	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	25.67	26.91	33	PASS



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Band41	20MHz	16QAM	39750	100RB#0	24.48	25.72	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	25.21	26.45	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	25.55	26.79	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	25.31	26.55	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	24.39	25.63	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	25.45	26.69	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	25.34	26.58	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	25.34	26.58	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	24.32	25.56	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	22.98	24.22	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	23.59	24.83	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	23.87	25.11	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	23.2	24.44	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	23.82	25.06	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	23.77	25.01	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	23.23	24.47	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	22.81	24.05	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	24.33	25.57	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	24.17	25.41	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	24.21	25.45	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	23.27	24.51	33	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

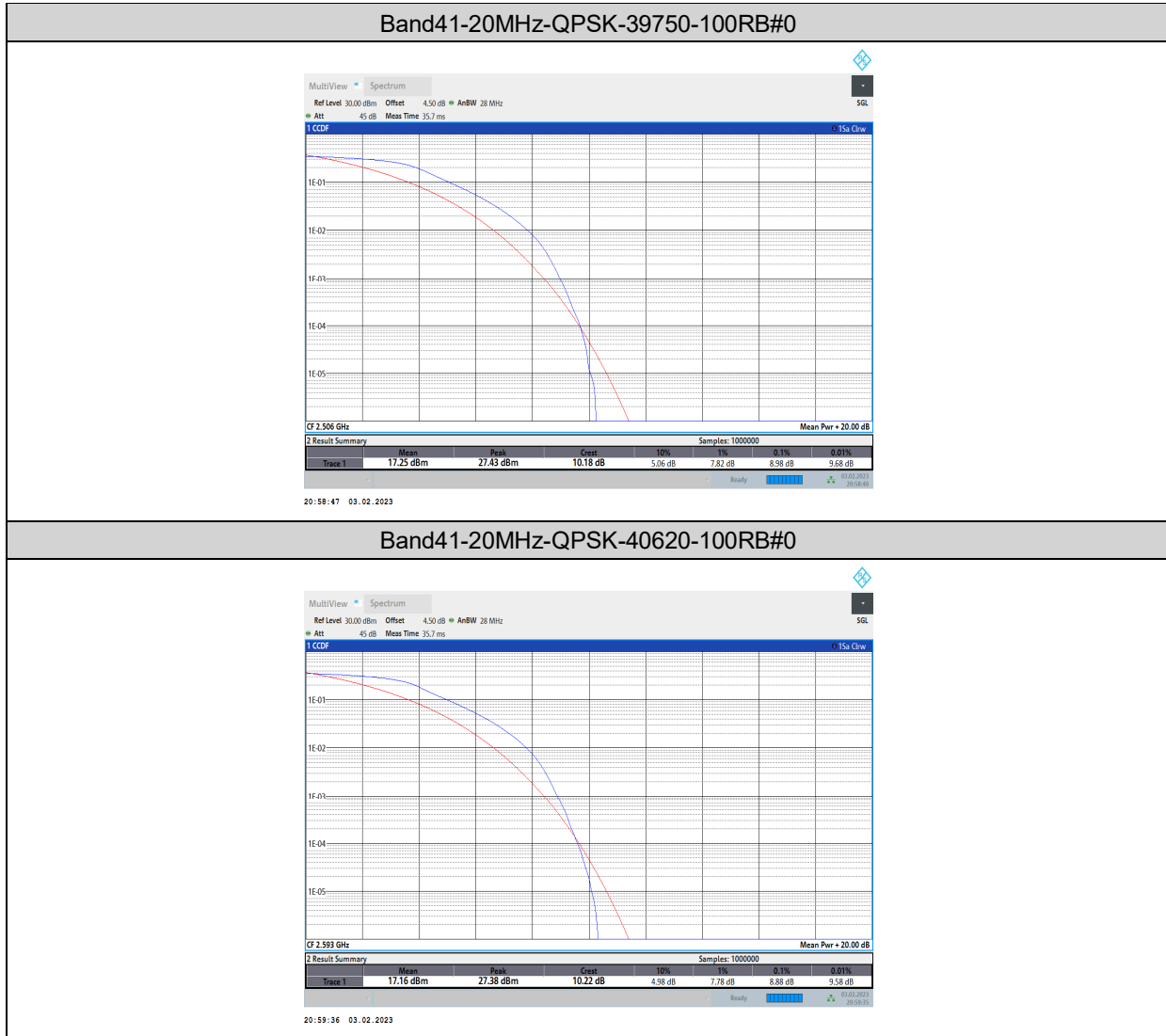
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	8.98	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.88	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.10	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.78	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.76	13	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

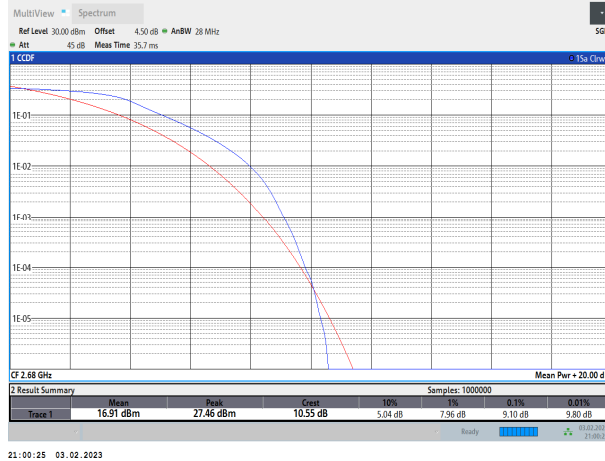


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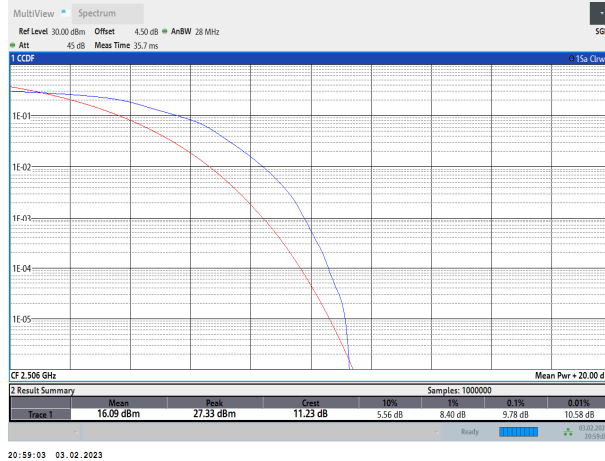
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Band41-20MHz-QPSK-41490-100RB#0



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

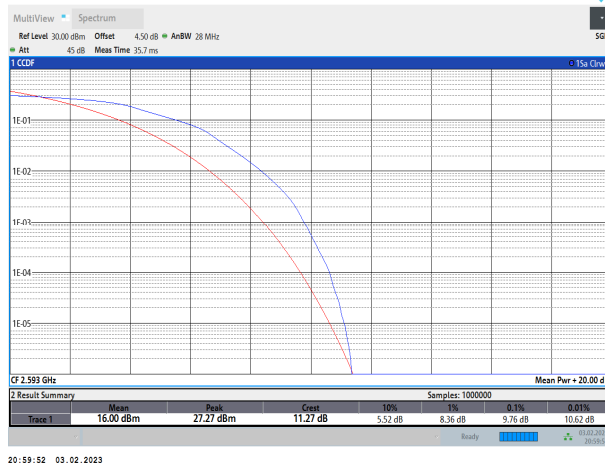


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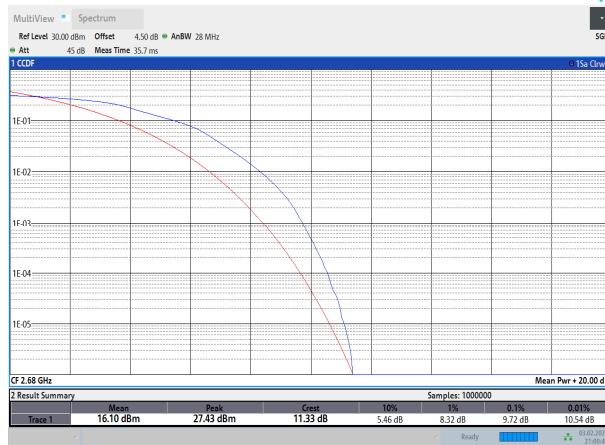
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Band41-20MHz-16QAM-40620-100RB#0



20:59:52 03.02.2023

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



21:00:41 03.02.2023

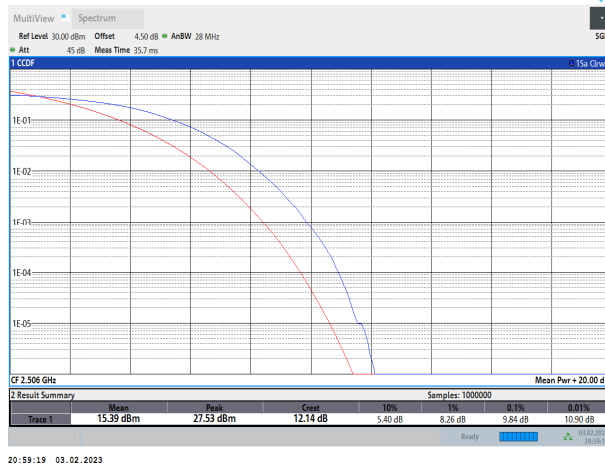


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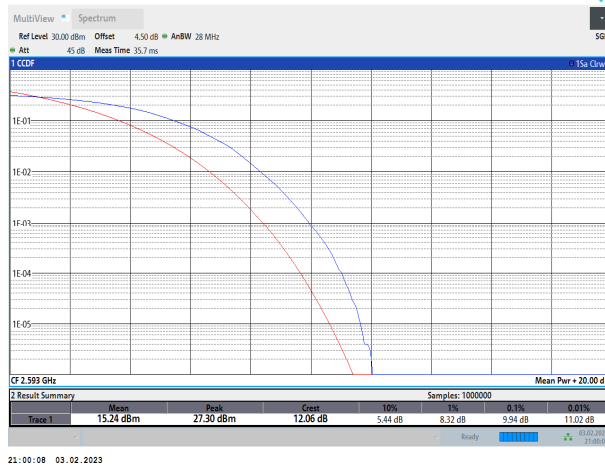
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Band41-20MHz-64QAM-39750-100RB#0



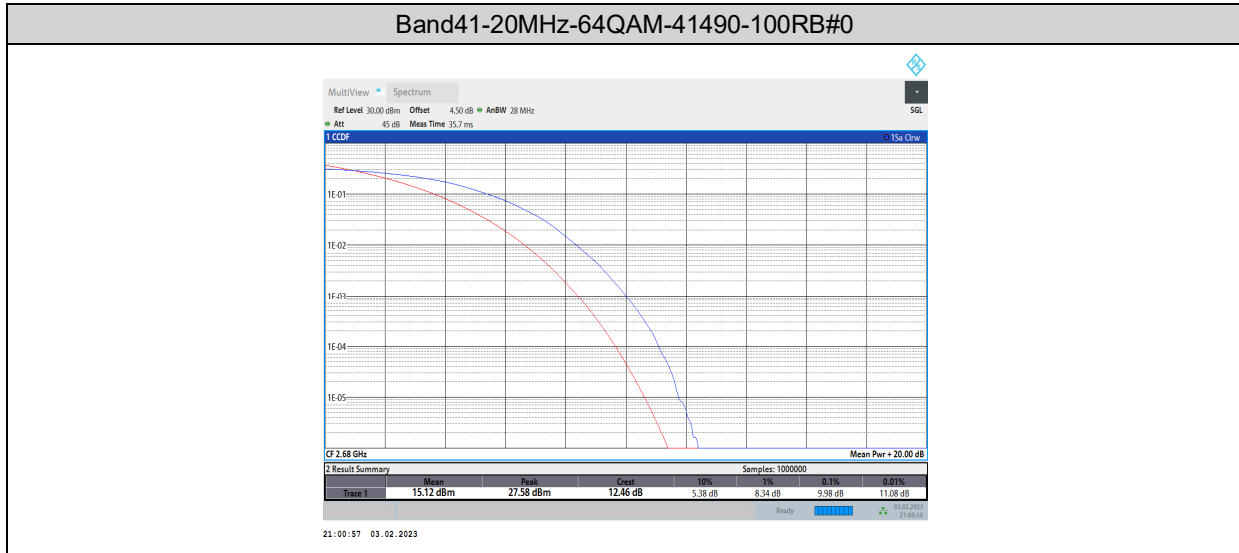
Band41-20MHz-64QAM-40620-100RB#0



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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	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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Report No.: SEWA2211000080RG01

Rev.: 01

Page: 14 of 52

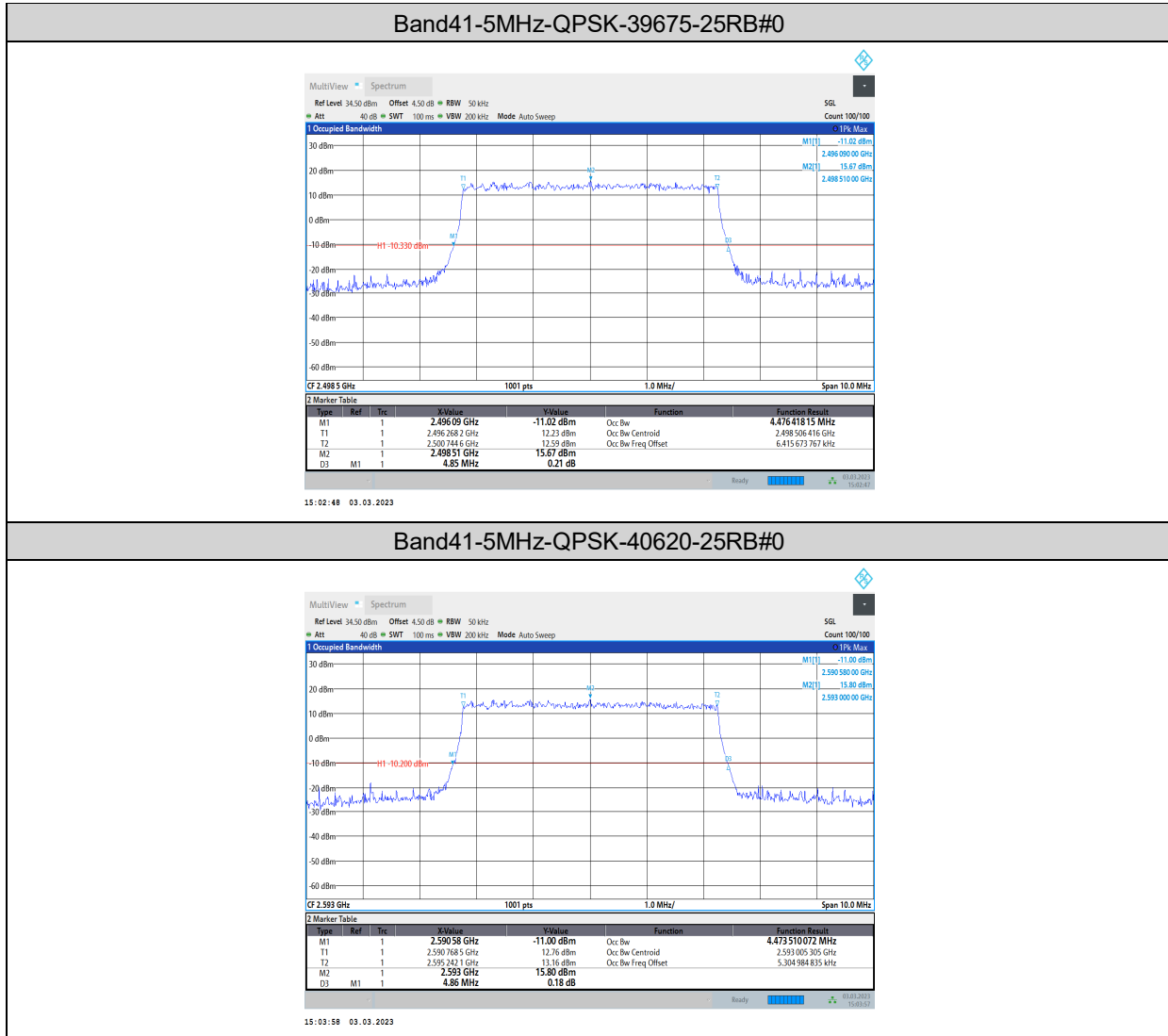
Band41	20MHz	QPSK	41490	100RB#0	17.883	19.40	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.804	19.32	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.845	19.32	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.834	19.32	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.85	19.40	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.843	19.40	PASS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



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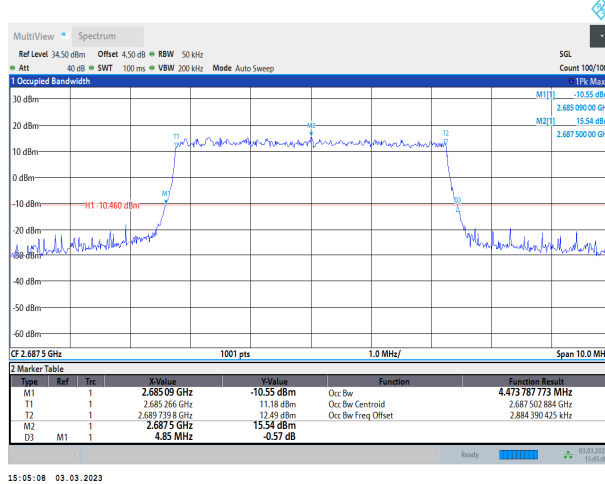


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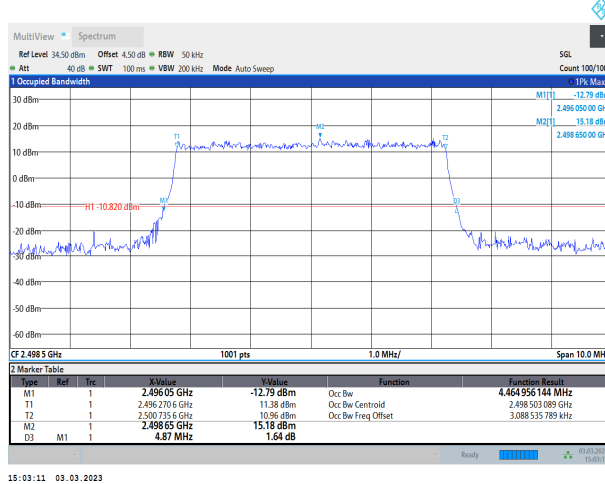
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Band41-5MHz-QPSK-41565-25RB#0



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

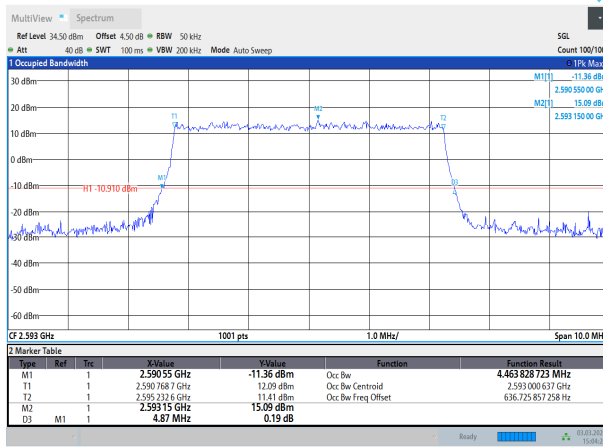


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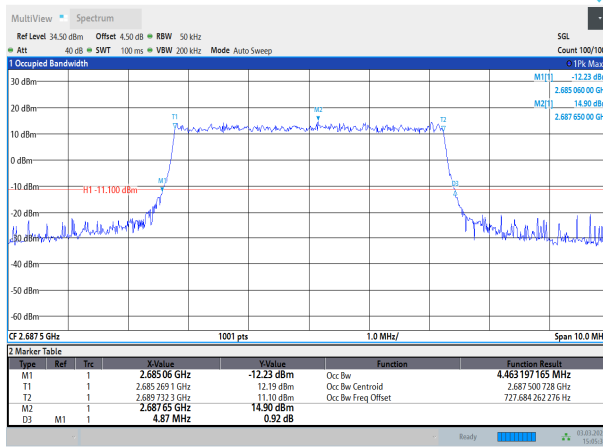
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Band41-5MHz-16QAM-40620-25RB#0



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Band41-5MHz-16QAM-41565-25RB#0



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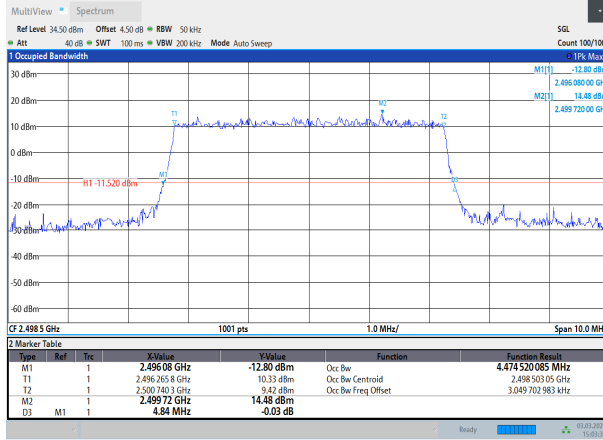


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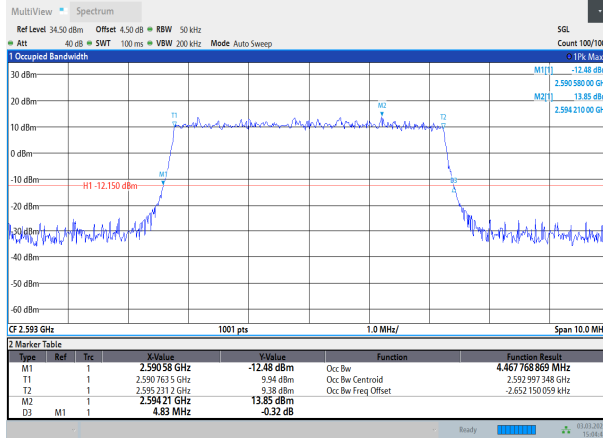
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Band41-5MHz-64QAM-39675-25RB#0



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



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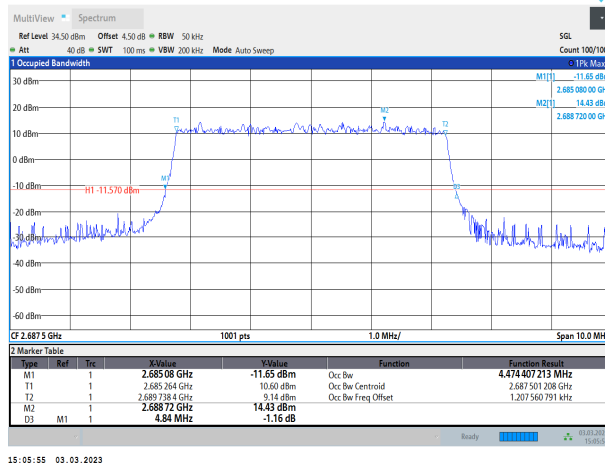


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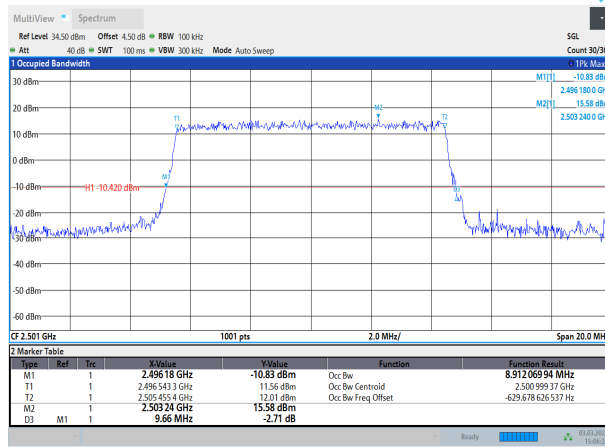
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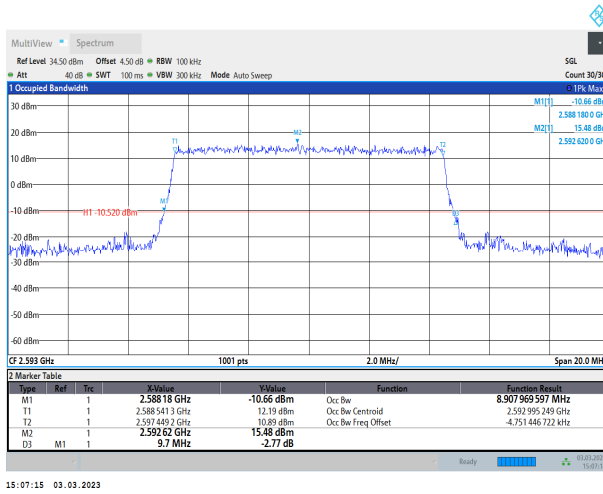


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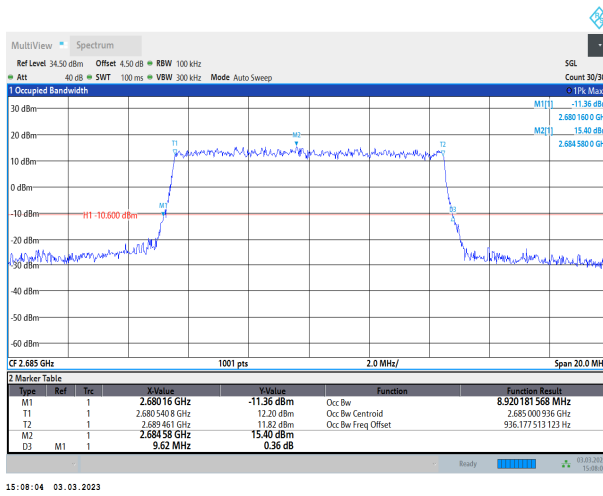
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Band41-10MHz-QPSK-40620-50RB#0



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

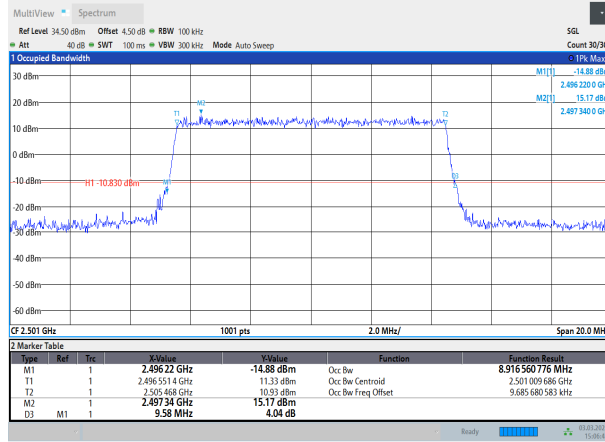


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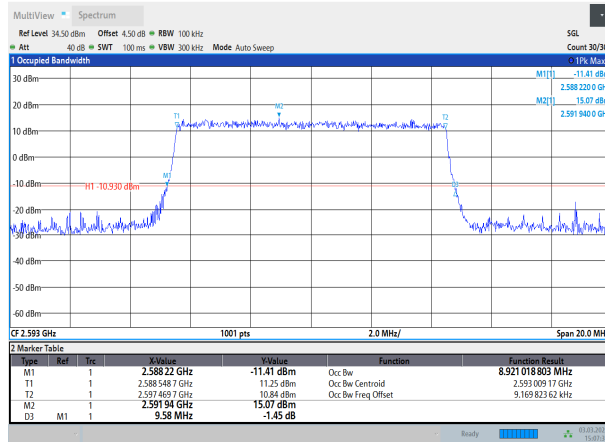
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Band41-10MHz-16QAM-39700-50RB#0



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



15:07:31 03.03.2023

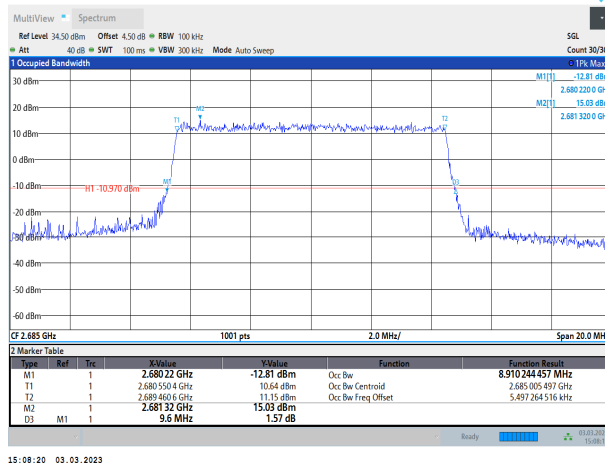


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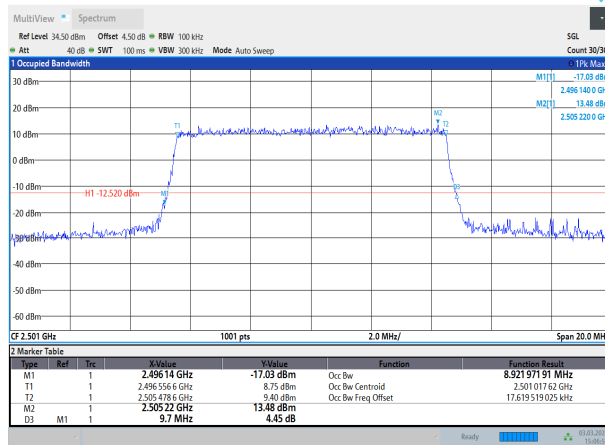
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Band41-10MHz-16QAM-41540-50RB#0



15:08:20 03.03.2023

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



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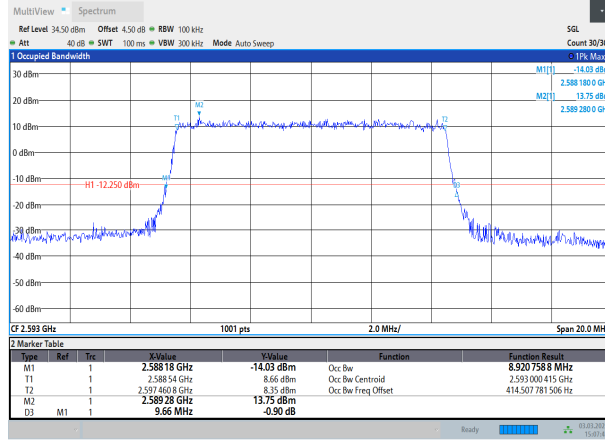


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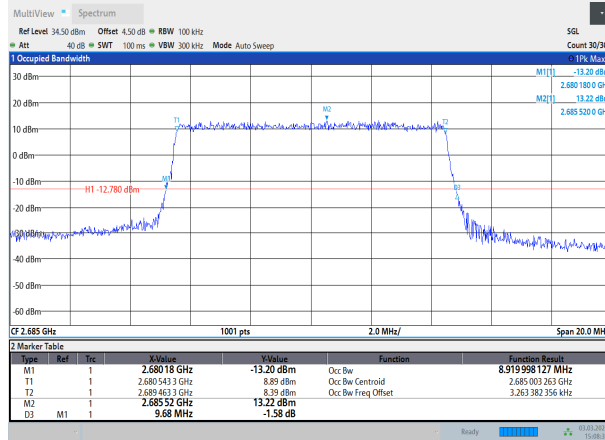
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Band41-10MHz-64QAM-40620-50RB#0



15:07:47 03.03.2023

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



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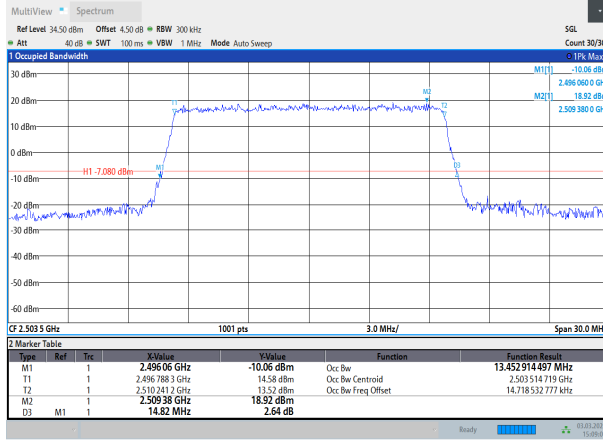


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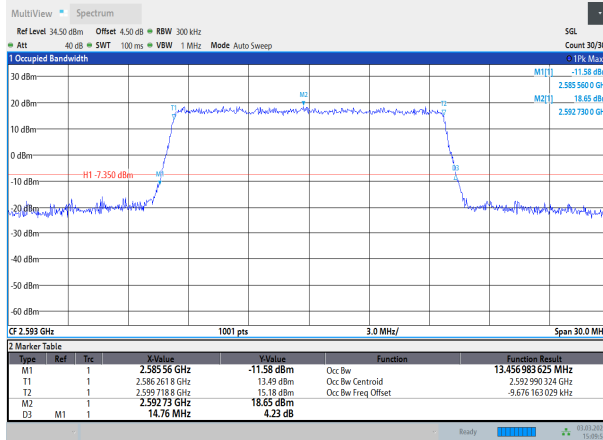
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Band41-15MHz-QPSK-39725-75RB#0



15:09:07 03.03.2023

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



15:09:56 03.03.2023

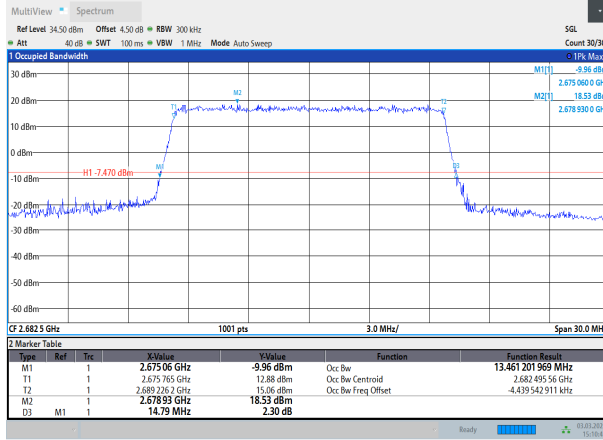


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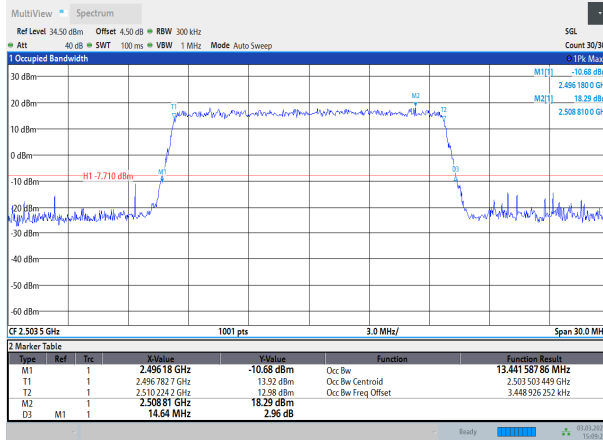
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Band41-15MHz-QPSK-41515-75RB#0



15:10:45 03.03.2023

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



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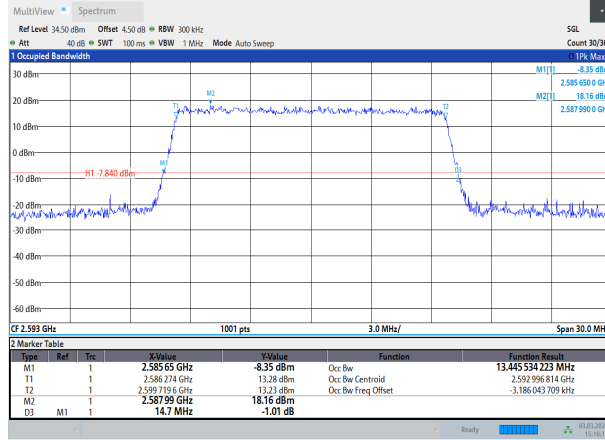


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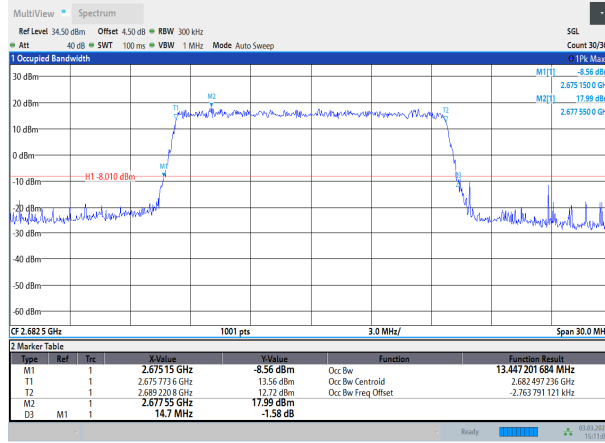
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Band41-15MHz-16QAM-40620-75RB#0



Band41-15MHz-16QAM-41515-75RB#0

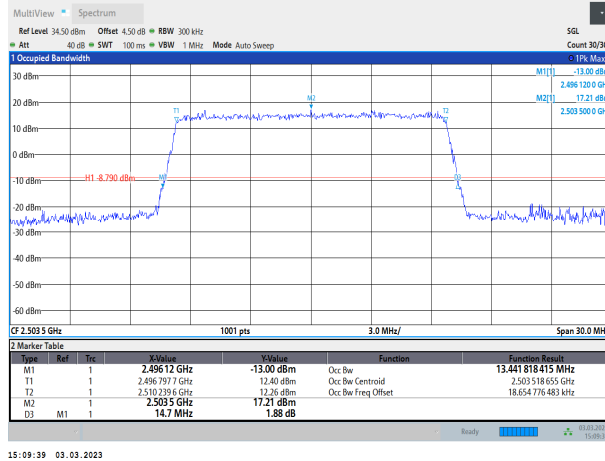


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Band41-15MHz-64QAM-40620-75RB#0

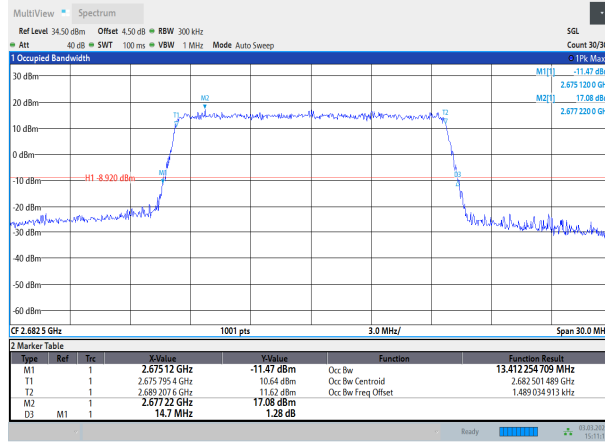


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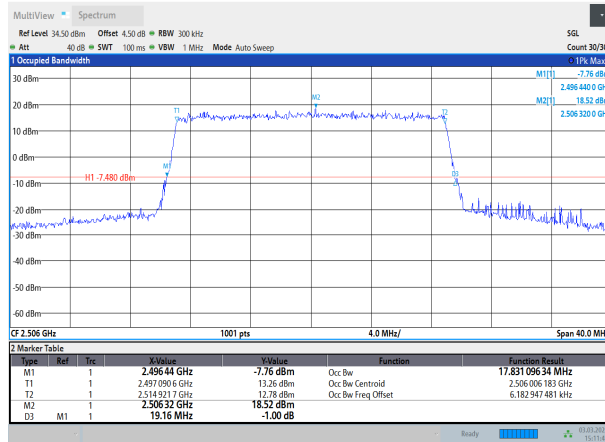
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Band41-15MHz-64QAM-41515-75RB#0



15:11:17 03.03.2023

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



15:11:48 03.03.2023

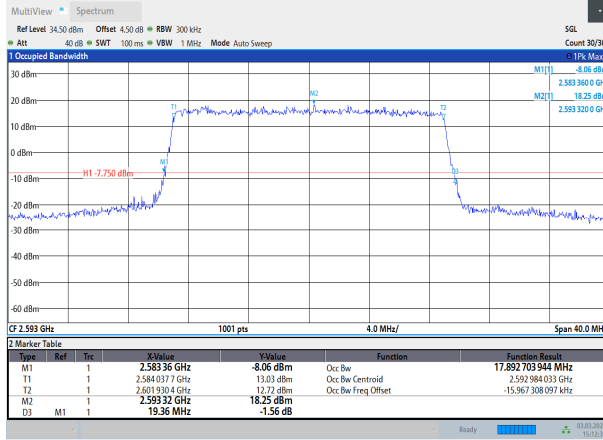


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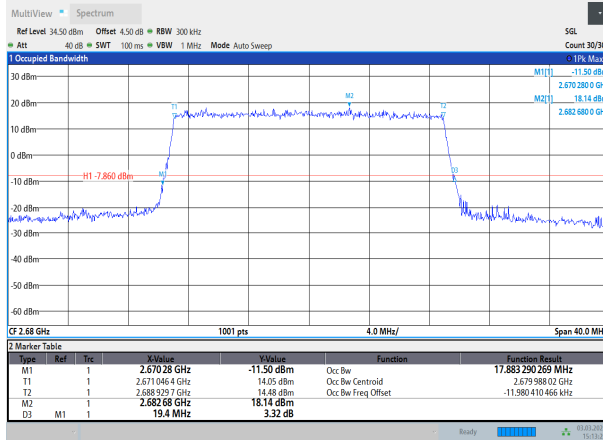
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Band41-20MHz-QPSK-40620-100RB#0



15:12:37 03.03.2023

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



15:13:26 03.03.2023

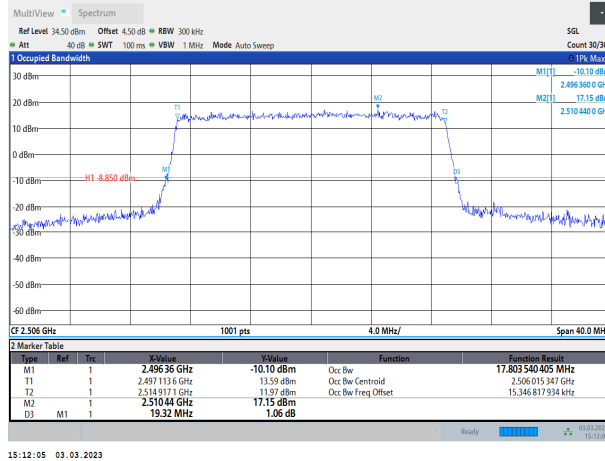


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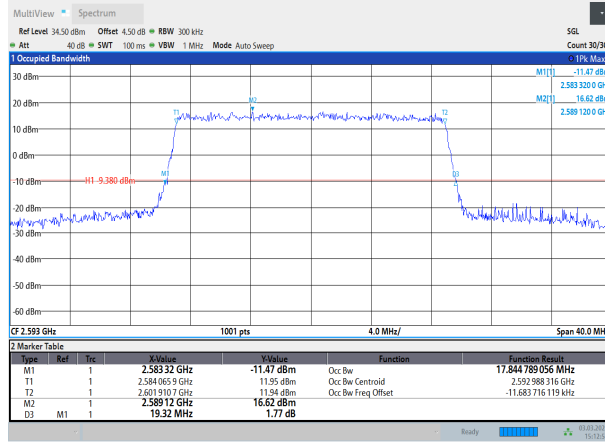
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Band41-20MHz-16QAM-39750-100RB#0



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



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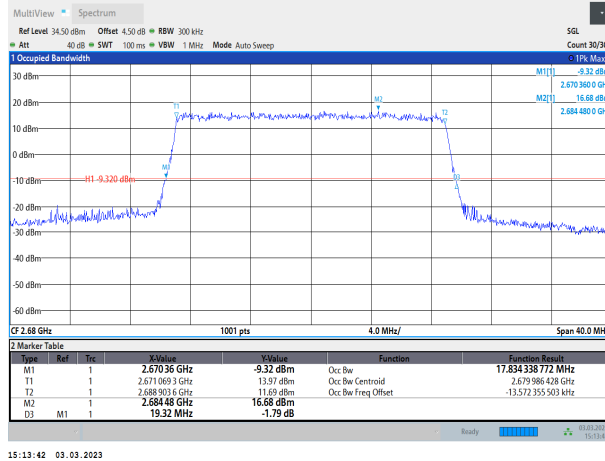


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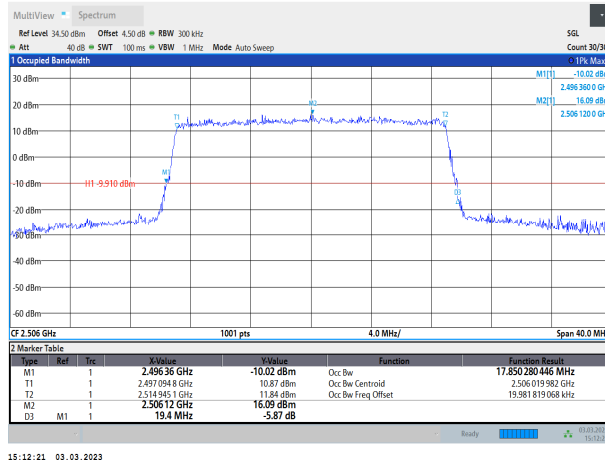
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Band41-20MHz-16QAM-41490-100RB#0



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

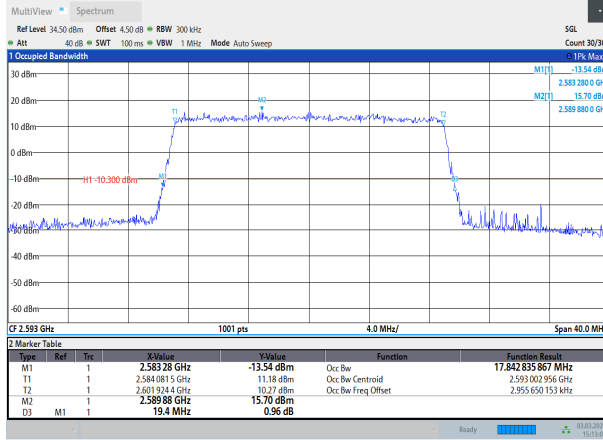


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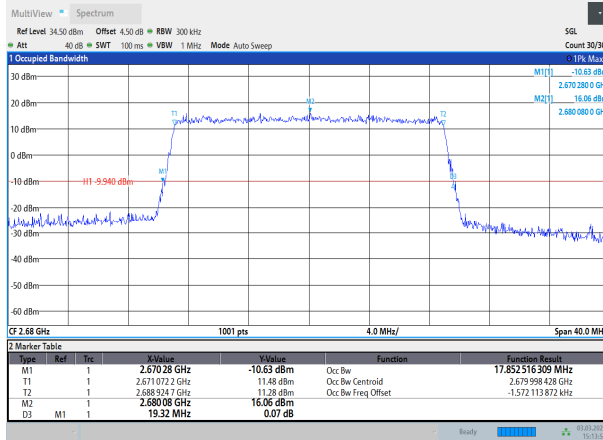
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Band41-20MHz-64QAM-40620-100RB#0



15:19:10 03.03.2023

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



15:13:59 03.03.2023



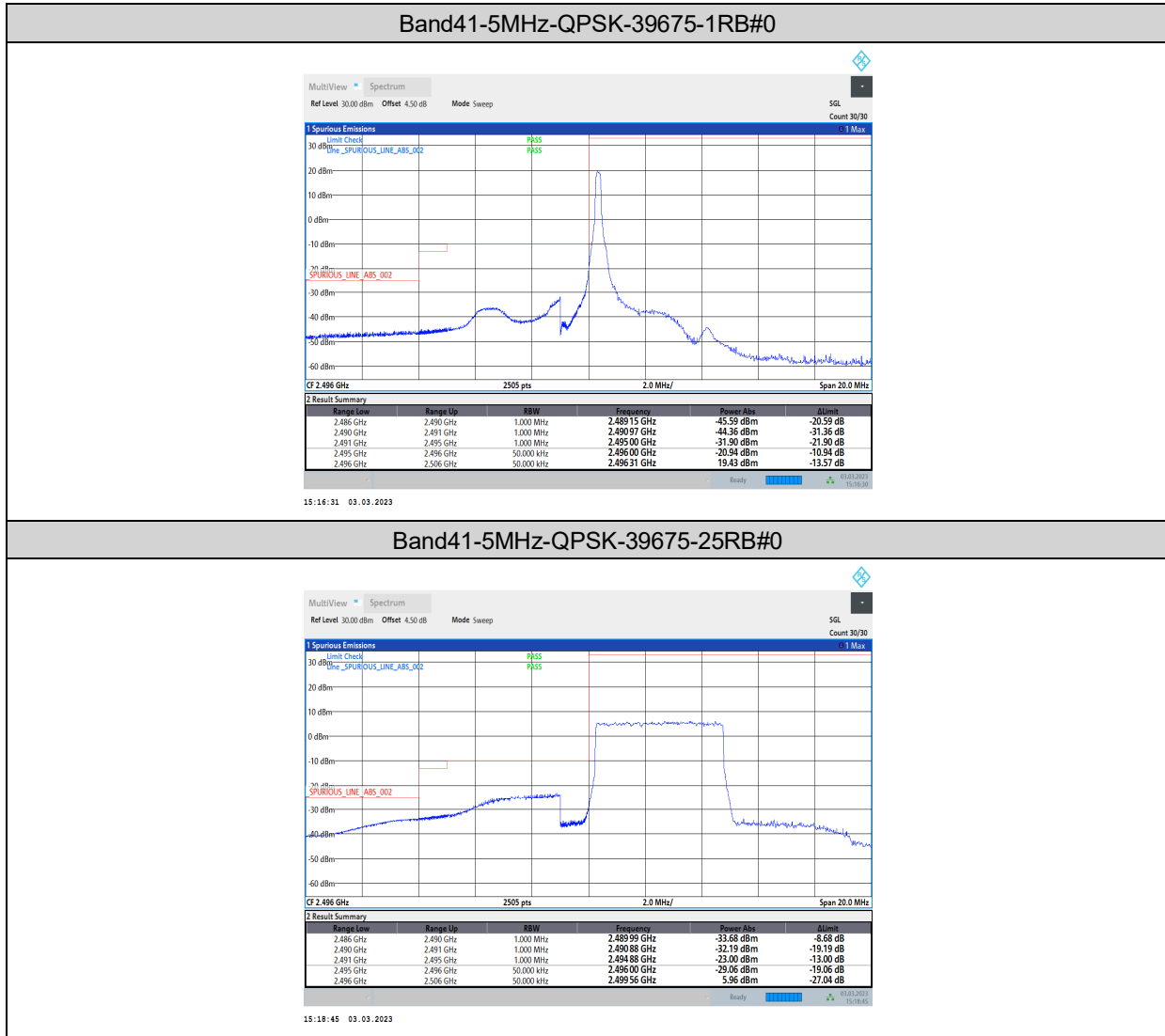
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Band Edge

Test Graphs

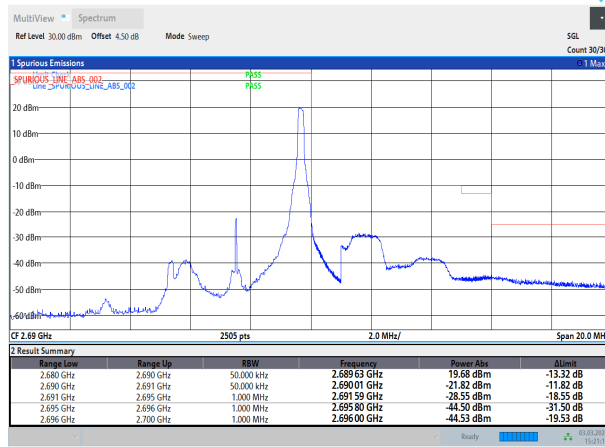


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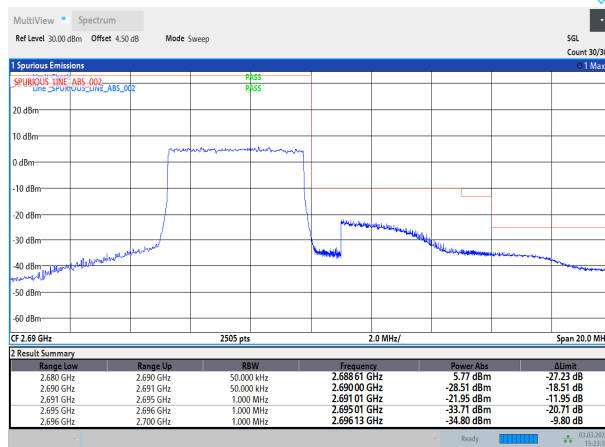
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Band41-5MHz-QPSK-41565-1RB#24



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



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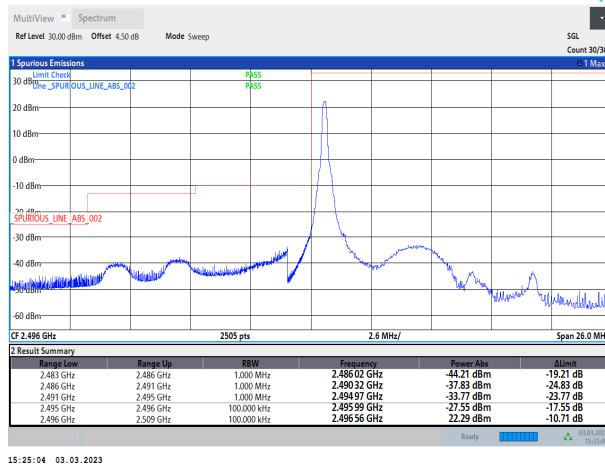


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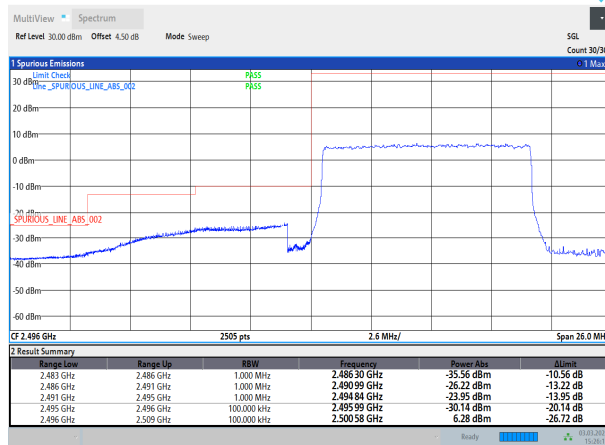
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Band41-10MHz-QPSK-39700-1RB#0



15:25:04 03.03.2023

Band41-10MHz-QPSK-39700-50RB#0



15:26:18 03.03.2023

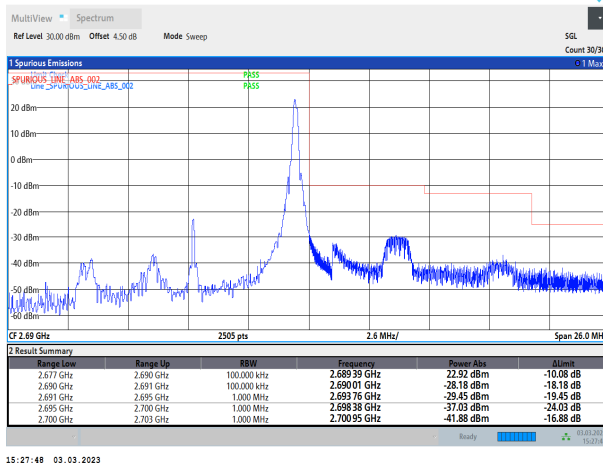


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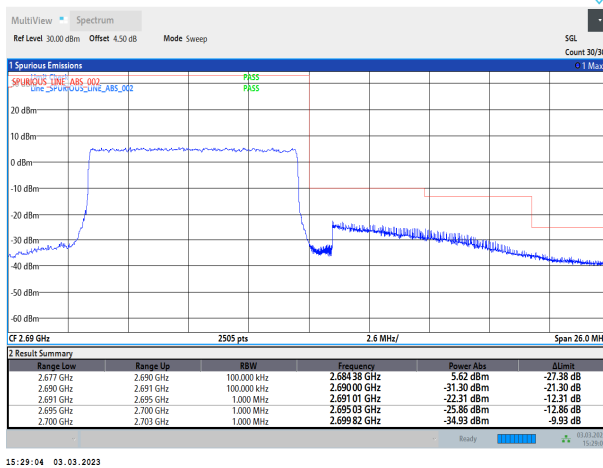
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Band41-10MHz-QPSK-41540-1RB#49



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

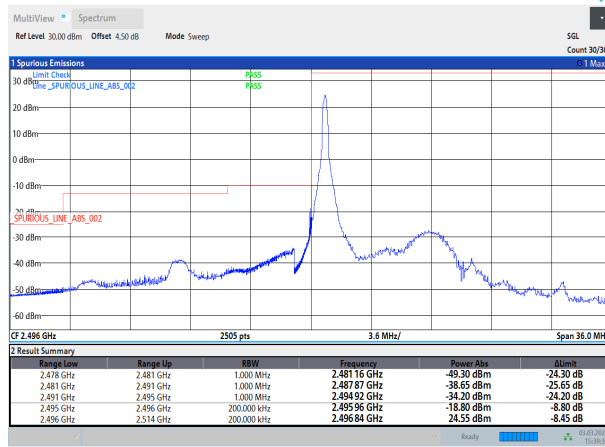


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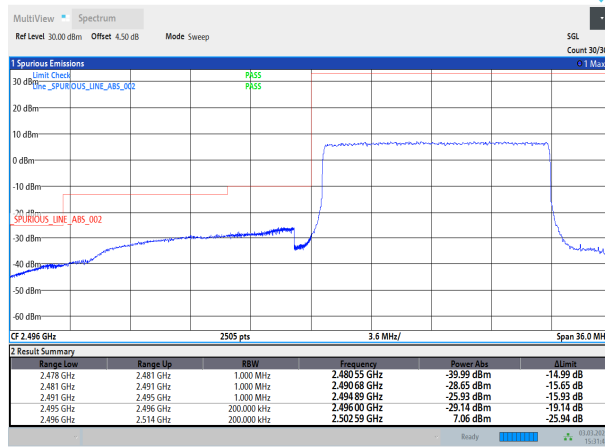
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Band41-15MHz-QPSK-39725-1RB#0



15:30:36 03.03.2023

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



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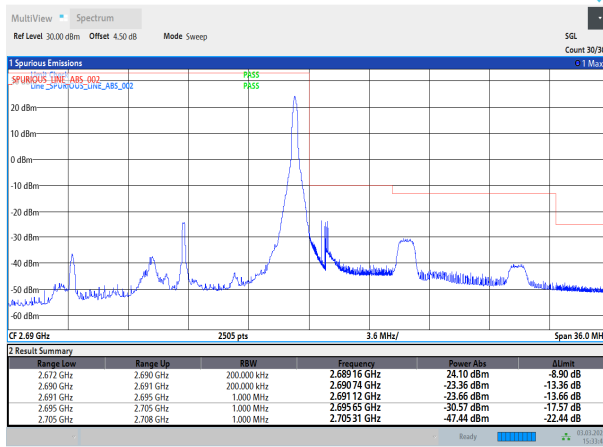


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Band41-15MHz-QPSK-41515-1RB#74



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

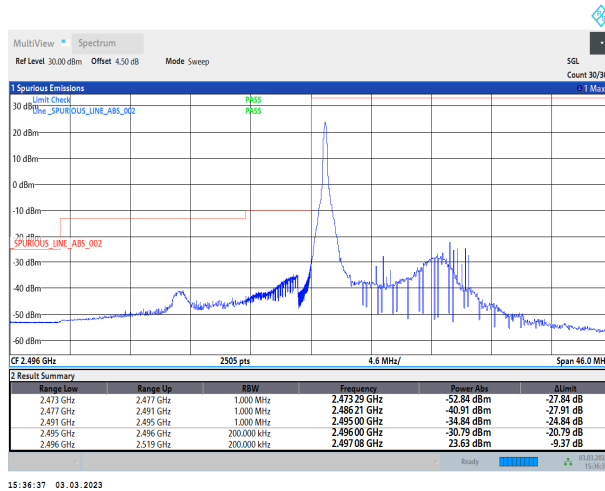


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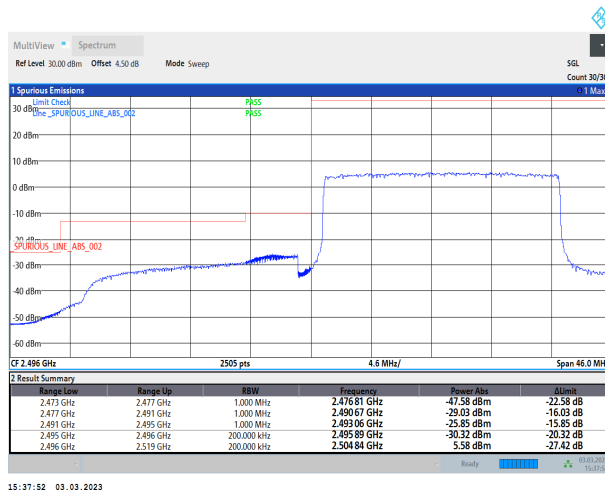
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Band41-20MHz-QPSK-39750-1RB#0



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

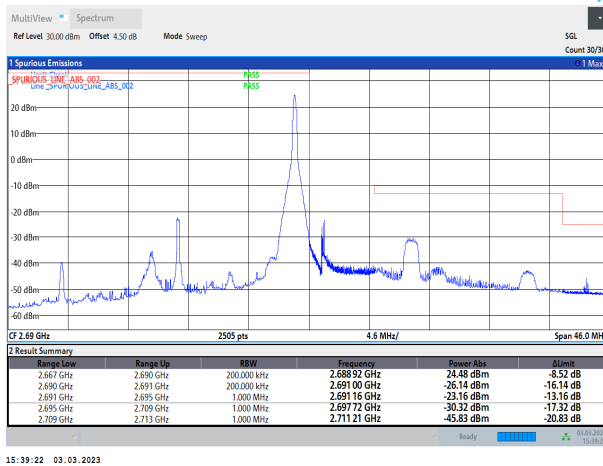


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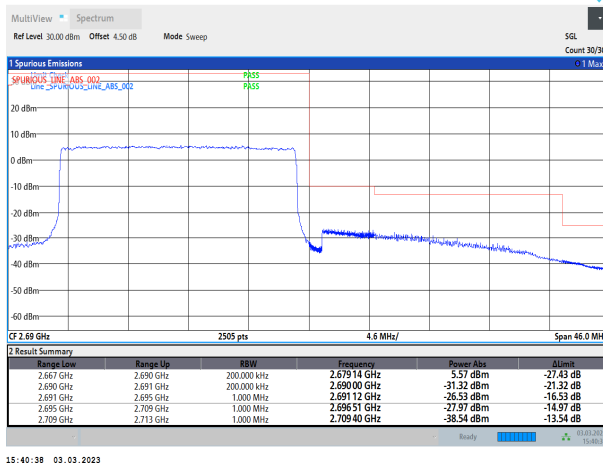
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Band41-20MHz-QPSK-41490-1RB#99



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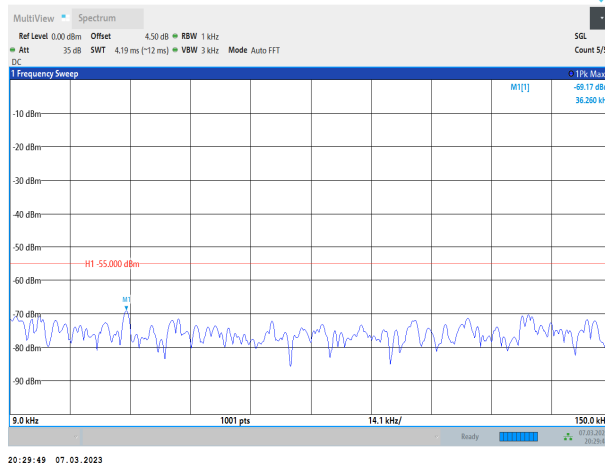
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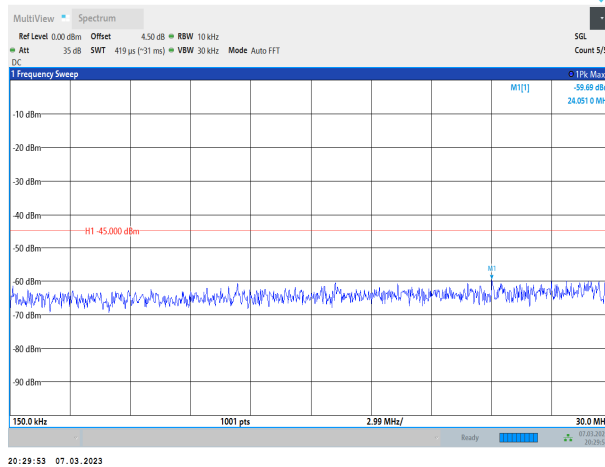
Conducted Spurious Emission

Test Graphs

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



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

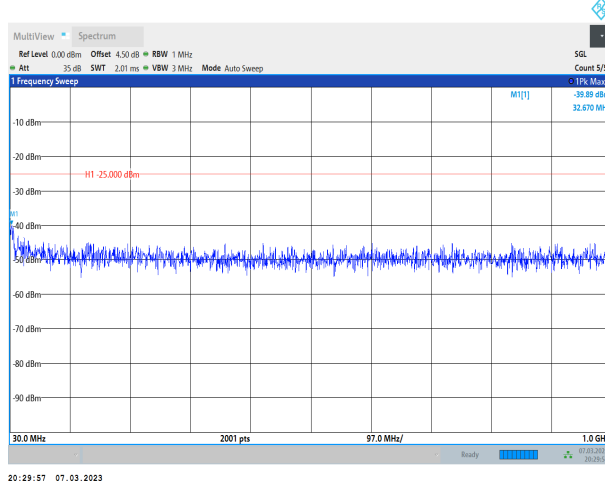


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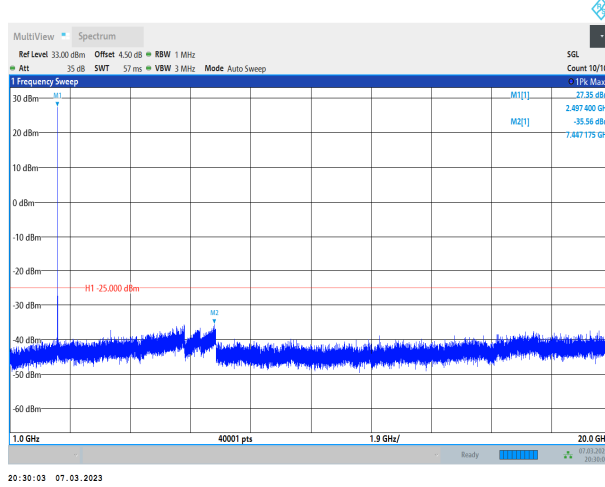
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



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

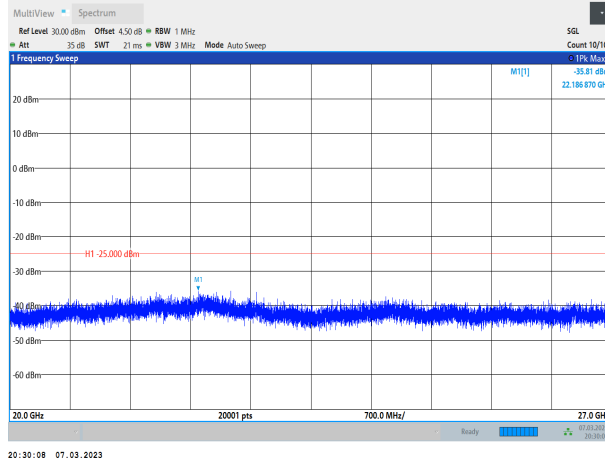


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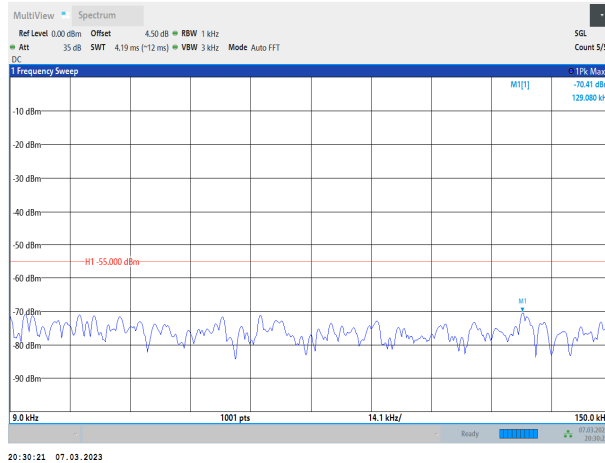
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



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

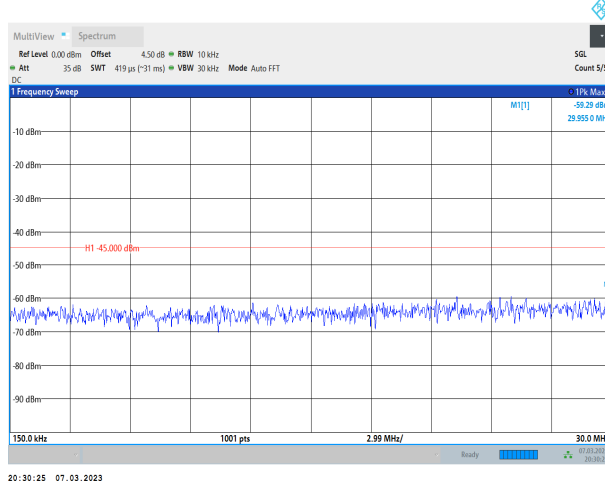


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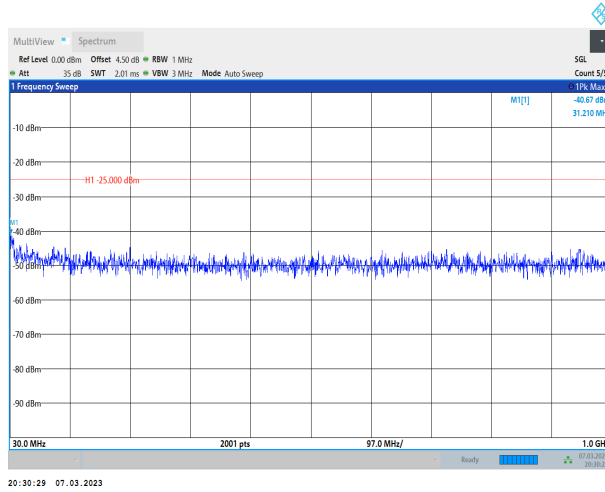
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz

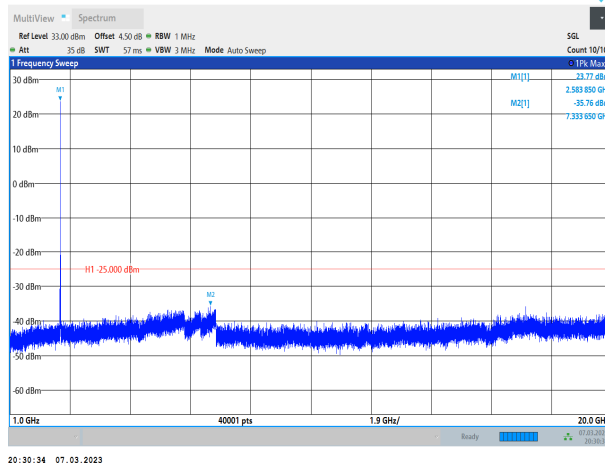


Band41-20MHz-QPSK-40620-1RB#0-Range3:30~1000MHz

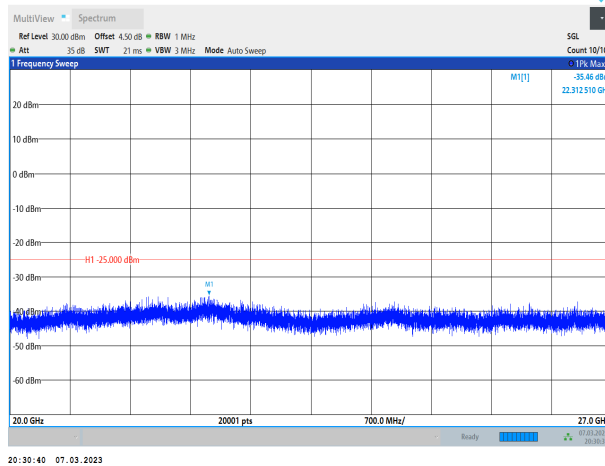


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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



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

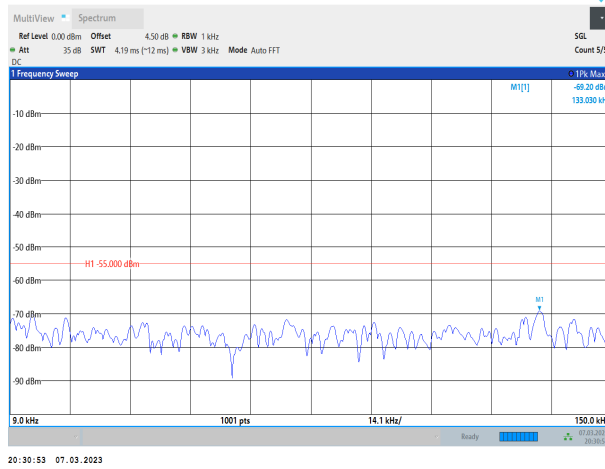


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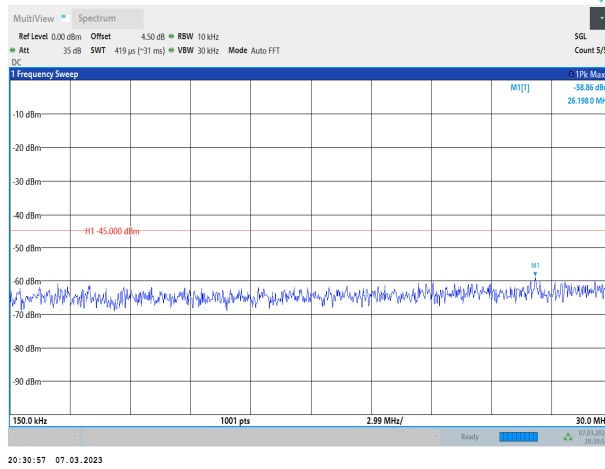
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



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

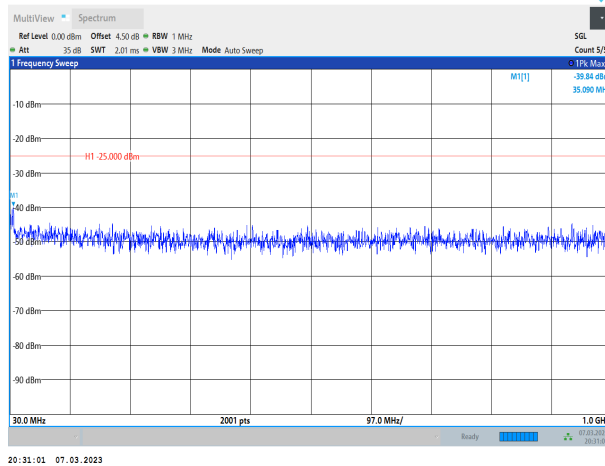


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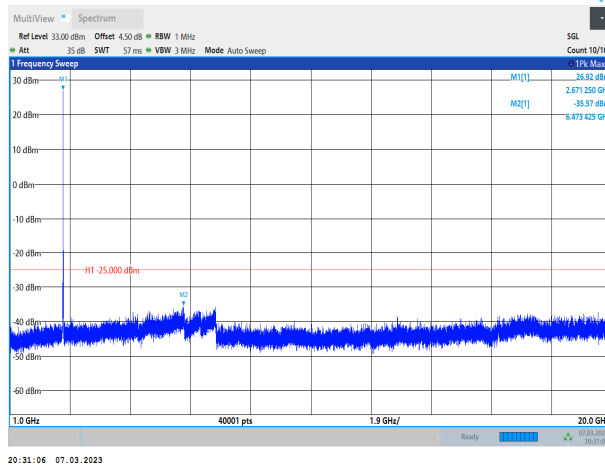
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Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



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

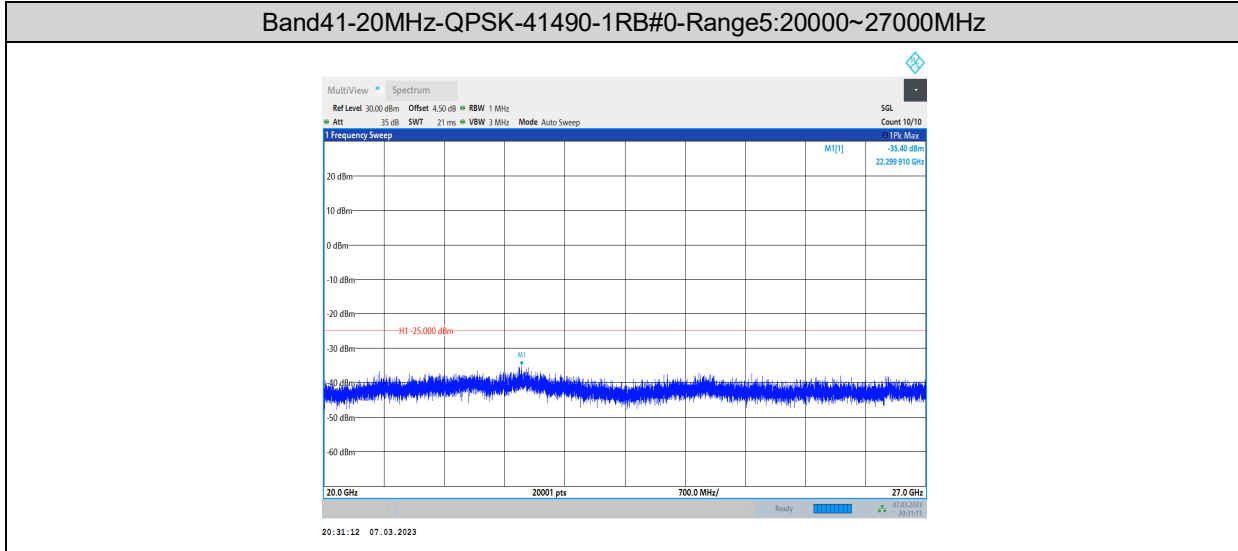


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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



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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	39.90	-44.94	32.59	-67.71	-25.00	42.71	186	225	Horizontal
2	7491.27	38.49	-41.63	36.49	-61.91	-25.00	36.91	263	63	Horizontal
3	9988.36	33.79	-37.16	38.50	-60.13	-25.00	35.13	214	312	Horizontal
4	12485.45	31.56	-35.26	39.09	-59.87	-25.00	34.87	156	359	Horizontal
5	14982.54	31.53	-33.99	39.22	-58.50	-25.00	33.50	193	360	Horizontal
6	17479.63	28.97	-31.91	40.52	-57.68	-25.00	32.68	227	124	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	4982	45.64	-44.93	32.56	-61.99	-25.00	36.99	164	359	Vertical
2	7491.27	39.16	-41.63	36.49	-61.24	-25.00	36.24	287	203	Vertical
3	9988.36	33.96	-37.16	38.50	-59.96	-25.00	34.96	261	356	Vertical
4	12485.45	32.60	-35.26	39.09	-58.83	-25.00	33.83	199	265	Vertical
5	14982.54	32.11	-33.99	39.22	-57.92	-25.00	32.92	158	360	Vertical
6	17479.63	28.80	-31.91	40.52	-57.85	-25.00	32.85	238	203	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	17706.5	31.30	-30.96	41.43	-53.49	-25.00	28.49	247	102	Horizontal
2	5168.18	40.57	-44.19	32.60	-66.28	-25.00	41.28	206	309	Horizontal
3	7752.27	37.87	-40.96	37.01	-61.34	-25.00	36.34	180	142	Horizontal
4	10336.36	33.96	-36.70	38.87	-59.13	-25.00	34.13	263	3	Horizontal
5	12920.45	33.43	-34.87	39.52	-57.18	-25.00	32.18	314	40	Horizontal
6	15504.54	31.41	-34.16	38.54	-59.46	-25.00	34.46	225	40	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	17636	31.45	-31.50	41.14	-54.17	-25.00	29.17	199	312	Vertical
2	5168.18	41.66	-44.19	32.60	-65.19	-25.00	40.19	265	312	Vertical
3	7752.27	38.04	-40.96	37.01	-61.17	-25.00	36.17	176	143	Vertical
4	10336.36	35.44	-36.70	38.87	-57.65	-25.00	32.65	213	143	Vertical
5	12920.45	33.31	-34.87	39.52	-57.30	-25.00	32.30	153	143	Vertical
6	15504.54	31.54	-34.16	38.54	-59.33	-25.00	34.33	208	206	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	17811	31.68	-30.84	41.84	-52.57	-25.00	27.57	215	185	Horizontal
2	5255.18	40.11	-44.07	32.60	-66.62	-25.00	41.62	189	163	Horizontal
3	7882.77	37.24	-40.65	37.27	-61.41	-25.00	36.41	223	124	Horizontal
4	10510.36	31.19	-36.37	39.06	-61.37	-25.00	36.37	216	185	Horizontal
5	13137.95	30.93	-34.60	39.68	-59.24	-25.00	34.24	157	83	Horizontal
6	15765.54	30.91	-34.12	38.20	-60.27	-25.00	35.27	297	62	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	17690	31.62	-31.05	41.36	-53.33	-25.00	28.33	247	360	Vertical
2	5255.18	39.88	-44.07	32.60	-66.85	-25.00	41.85	266	40	Vertical
3	7882.77	37.67	-40.65	37.27	-60.98	-25.00	35.98	193	59	Vertical
4	10510.36	32.14	-36.37	39.06	-60.42	-25.00	35.42	214	353	Vertical
5	13137.95	31.67	-34.60	39.68	-58.50	-25.00	33.50	156	360	Vertical
6	15765.54	30.86	-34.12	38.20	-60.32	-25.00	35.32	284	342	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) - Pre-amplifier (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 (°C)	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 (°C)	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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