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Appendix B.4

LTE Band 41



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP	LIMIT	Verdict
Band41	5MHz	QPSK	39675	1RB#0	17.72	18.22	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	17.60	18.10	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	17.63	18.13	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	17.72	18.22	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	17.69	18.19	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	17.68	18.18	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	17.67	18.17	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	17.69	18.19	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	17.62	18.12	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	17.59	18.09	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	17.51	18.01	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	17.68	18.18	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	18.03	18.53	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	18.05	18.55	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	18.04	18.54	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	17.69	18.19	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	17.98	18.48	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	17.92	18.42	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	17.92	18.42	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	17.65	18.15	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	17.91	18.41	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	18.00	18.50	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	17.91	18.41	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	17.66	18.16	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	17.72	18.22	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	17.89	18.39	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	17.92	18.42	33	PASS
Band41	5MHz	64QAM	39675	25RB#0	17.81	18.31	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	18.02	18.52	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	17.92	18.42	33	PASS



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Band41	5MHz	64QAM	40620	1RB#24	17.81	18.31	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	17.64	18.14	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	17.86	18.36	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	17.66	18.16	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	17.74	18.24	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	17.67	18.17	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	17.62	18.12	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	17.57	18.07	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	17.65	18.15	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	17.76	18.26	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	17.73	18.23	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	17.53	18.03	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	17.55	18.05	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	17.72	18.22	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	17.51	18.01	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	17.42	17.92	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	17.60	18.10	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	17.65	18.15	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	18.04	18.54	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	17.81	18.31	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	18.04	18.54	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	17.78	18.28	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	17.94	18.44	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	17.91	18.41	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	17.94	18.44	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	17.74	18.24	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	17.80	18.30	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	17.76	18.26	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	17.76	18.26	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	17.68	18.18	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	17.78	18.28	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	17.89	18.39	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	17.87	18.37	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	17.80	18.30	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	17.76	18.26	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	17.66	18.16	33	PASS



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Band41	10MHz	64QAM	40620	50RB#0	17.76	18.26	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	17.71	18.21	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	17.87	18.37	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	17.84	18.34	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	17.61	18.11	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	17.46	17.96	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	17.54	18.04	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	17.48	17.98	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	17.64	18.14	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	17.51	18.01	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	17.48	17.98	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	17.51	18.01	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	17.60	18.10	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	17.36	17.86	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	17.40	17.90	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	17.43	17.93	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	17.48	17.98	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	17.83	18.33	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	17.87	18.37	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	17.88	18.38	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	17.68	18.18	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	17.71	18.21	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	17.69	18.19	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	17.82	18.32	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	17.53	18.03	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	17.59	18.09	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	17.61	18.11	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	17.75	18.25	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	17.54	18.04	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	17.63	18.13	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	17.78	18.28	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	17.75	18.25	33	PASS
Band41	15MHz	64QAM	39725	75RB#0	17.63	18.13	33	PASS
Band41	15MHz	64QAM	40620	1RB#0	17.60	18.10	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	17.77	18.27	33	PASS



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Band41	15MHz	64QAM	40620	75RB#0	17.64	18.14	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	17.60	18.10	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	17.60	18.10	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	17.61	18.11	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	17.51	18.01	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	17.49	17.99	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	17.54	18.04	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	17.50	18.00	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.60	18.10	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	17.53	18.03	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	17.49	17.99	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	17.47	17.97	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.62	18.12	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	17.40	17.90	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	17.40	17.90	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	17.49	17.99	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.47	17.97	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	17.79	18.29	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	17.86	18.36	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	17.75	18.25	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.62	18.12	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	17.81	18.31	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	17.87	18.37	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	17.78	18.28	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.57	18.07	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	17.61	18.11	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	17.76	18.26	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	17.80	18.30	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.57	18.07	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	17.58	18.08	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	17.73	18.23	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	17.66	18.16	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.60	18.10	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	17.62	18.12	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	17.94	18.44	33	PASS



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Band41	20MHz	64QAM	40620	100RB#0	17.57	18.07	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	17.52	18.02	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	17.58	18.08	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	17.51	18.01	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.52	18.02	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	9.34	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.12	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.12	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	10.14	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.96	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.98	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	10.88	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	10.60	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	10.38	13	PASS



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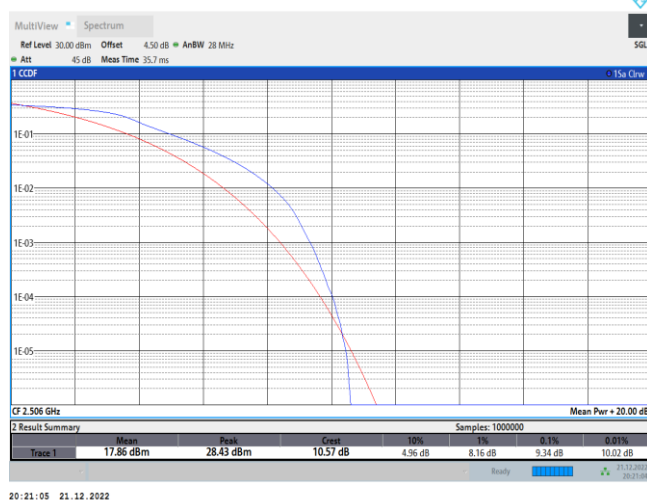
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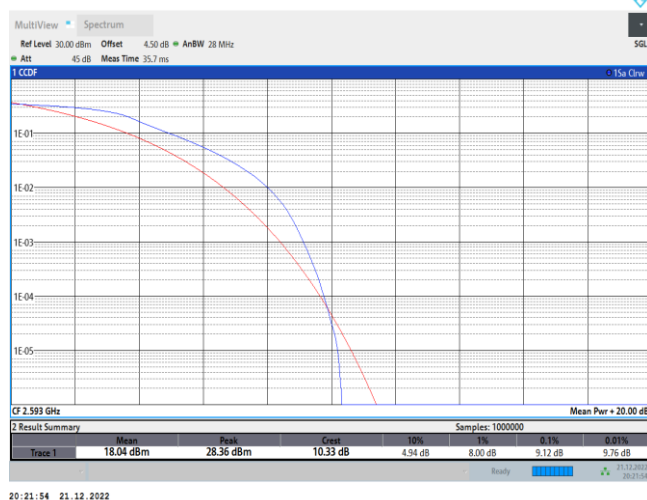
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Test Graphs

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



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



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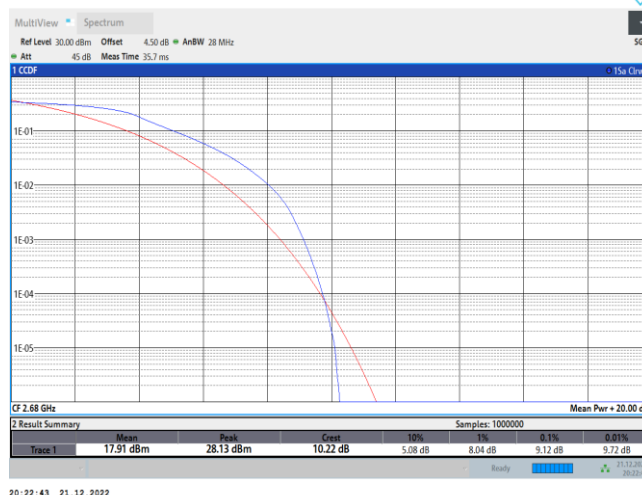
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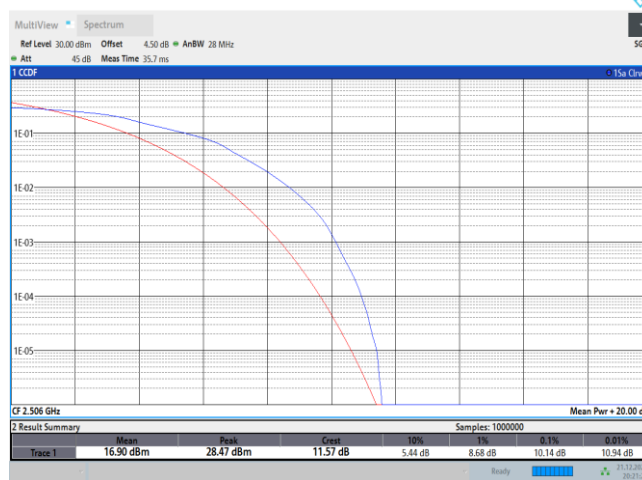
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Band41-20MHz-QPSK-41490-100RB#0



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



20:21:21 21.12.2022



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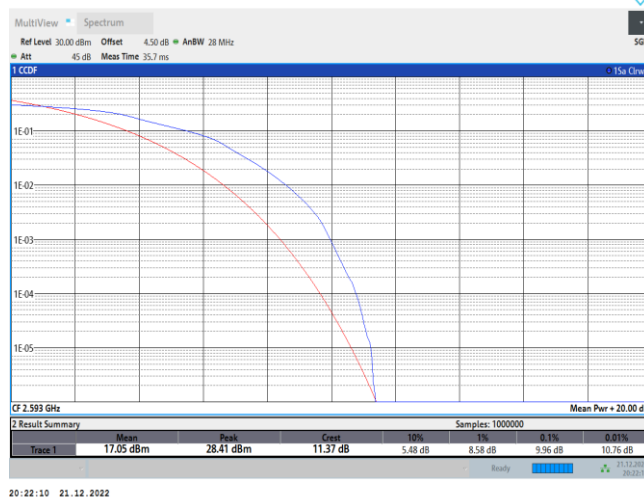
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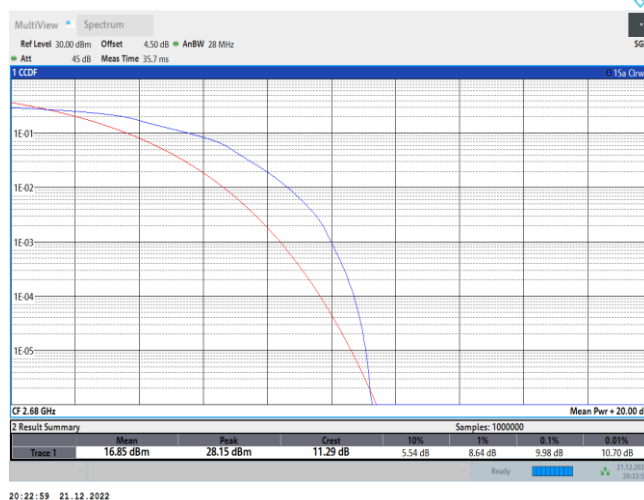
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Band41-20MHz-16QAM-40620-100RB#0



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



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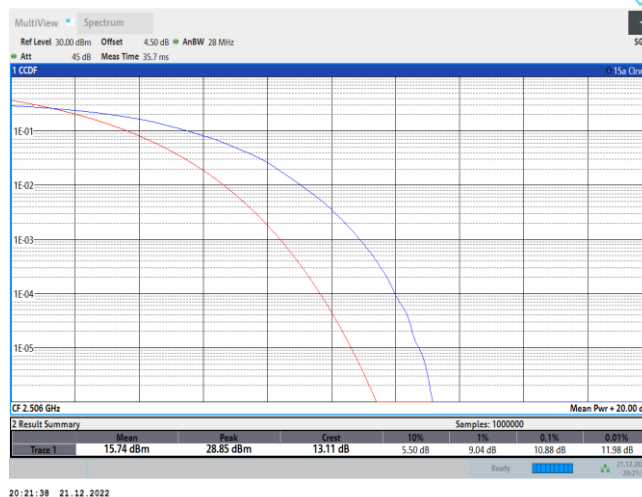
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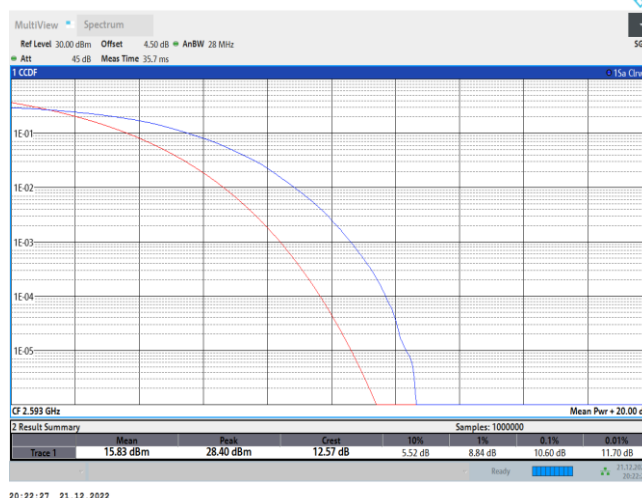
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Band41-20MHz-64QAM-39750-100RB#0



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



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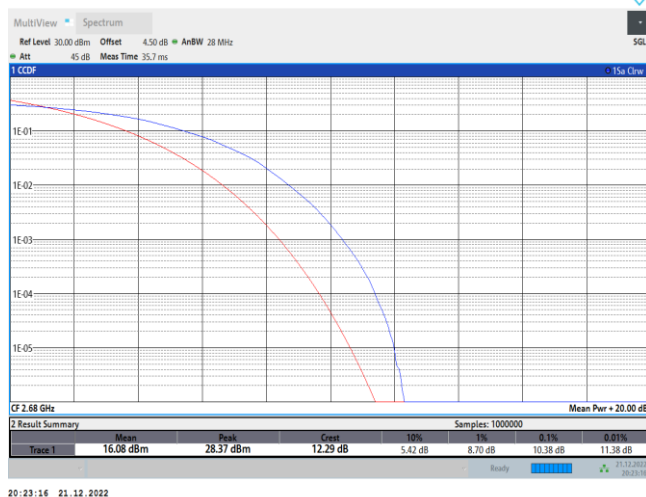
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Band41-20MHz-64QAM-41490-100RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band41	20MHz	QPSK	40620	100RB#0	PASS	PASS
Band41	20MHz	16QAM	40620	100RB#0	PASS	PASS
Band41	20MHz	64QAM	40620	100RB#0	PASS	PASS



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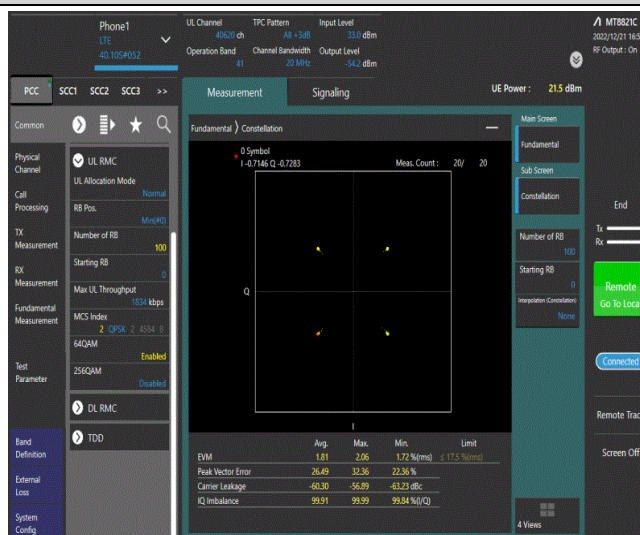
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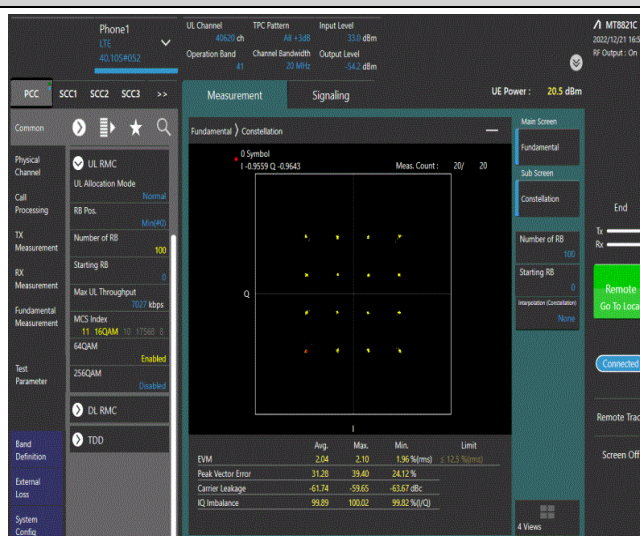
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Test Graphs

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



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



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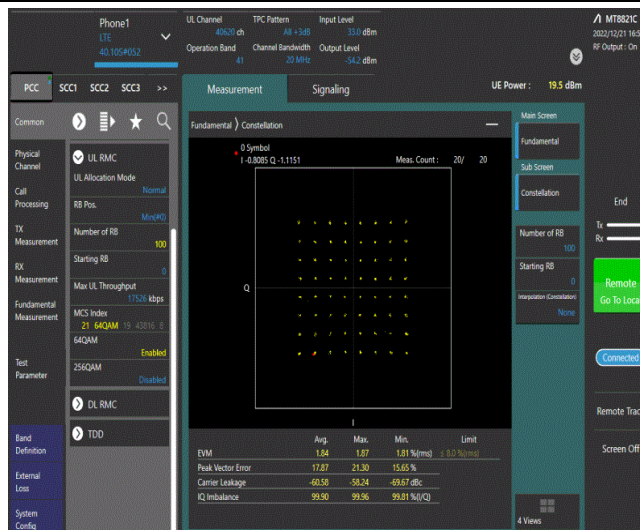
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Band41-20MHz-64QAM-40620-100RB#0



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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	4.479	4.89	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.473	4.87	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.481	4.90	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.477	4.98	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.469	4.93	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.466	4.98	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.481	4.84	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.478	4.85	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.487	4.86	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.928	9.86	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.935	9.68	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.928	9.80	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.932	9.80	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.929	9.66	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.934	9.76	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.931	9.78	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.933	9.66	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.94	9.94	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.506	16.77	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.492	16.29	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.514	16.14	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.47	15.09	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.484	14.88	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.478	15.21	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.454	15.36	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.43	15.45	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.454	15.51	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.941	20.12	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.948	19.76	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.93	19.72	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.911	20.24	PASS



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Band41	20MHz	16QAM	40620	100RB#0	17.925	19.64	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.89	20.44	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.926	20.08	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.898	19.80	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.933	20.16	PASS



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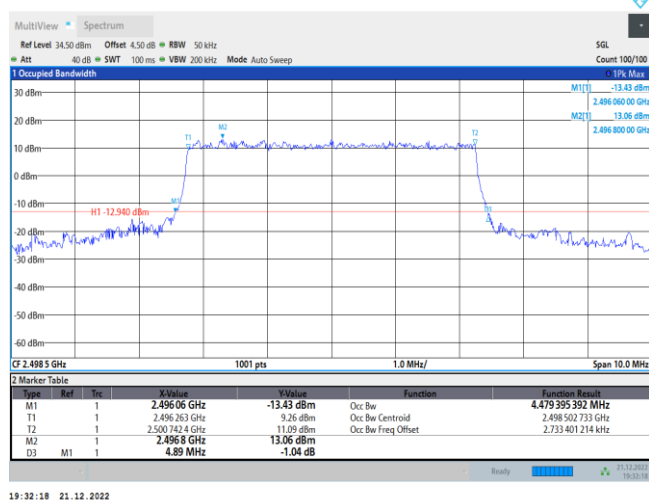
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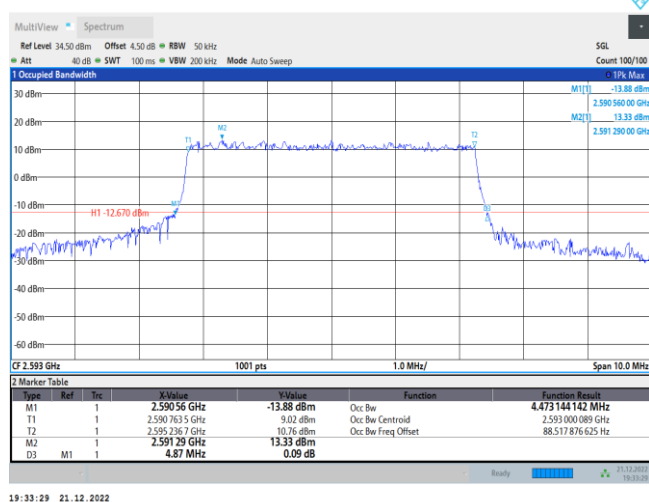
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Test Graphs

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



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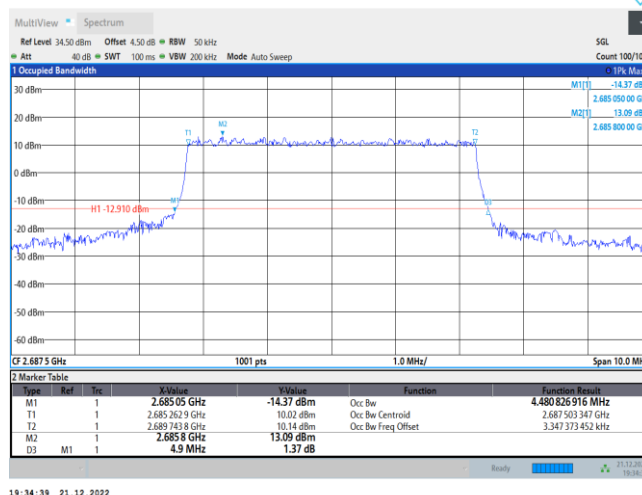


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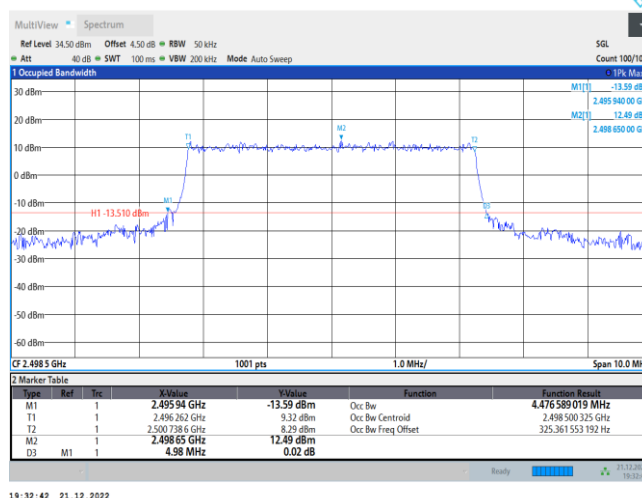
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Band41-5MHz-QPSK-41565-25RB#0



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



19:32:42 21.12.2022



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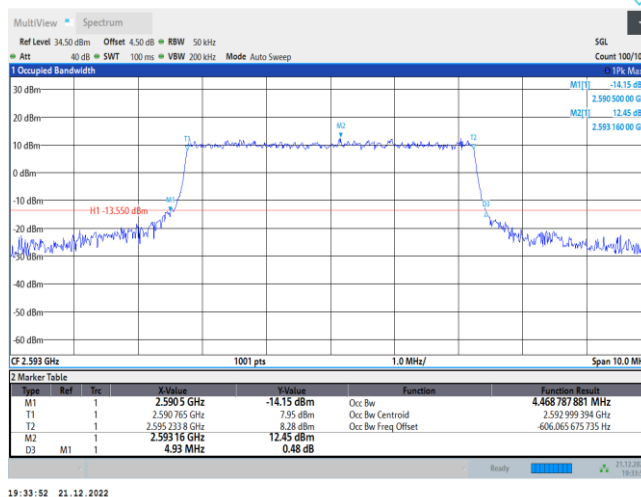
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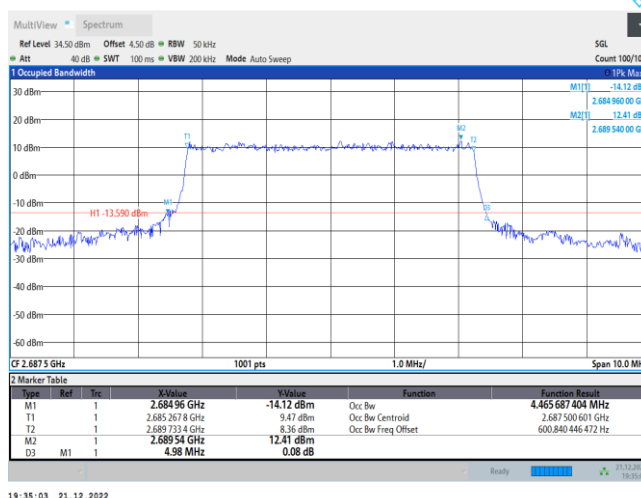
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Band41-5MHz-16QAM-41565-25RB#0



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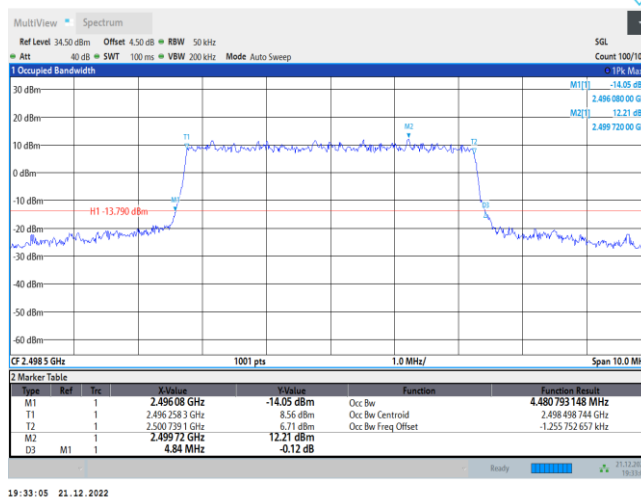
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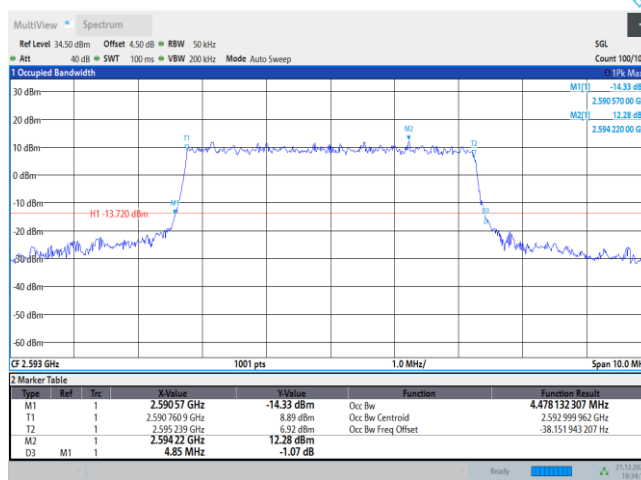
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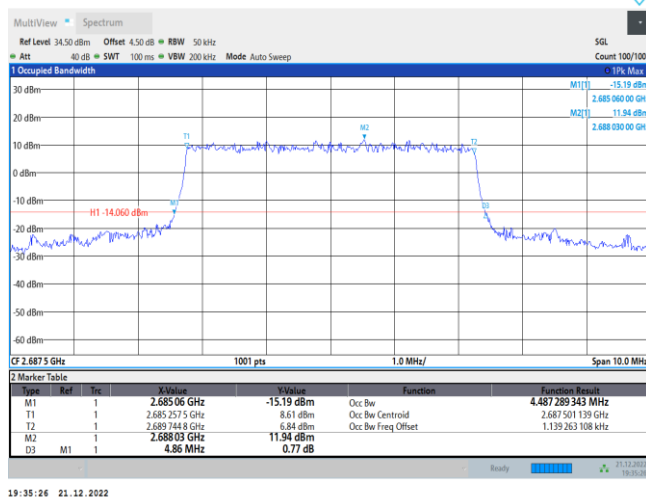
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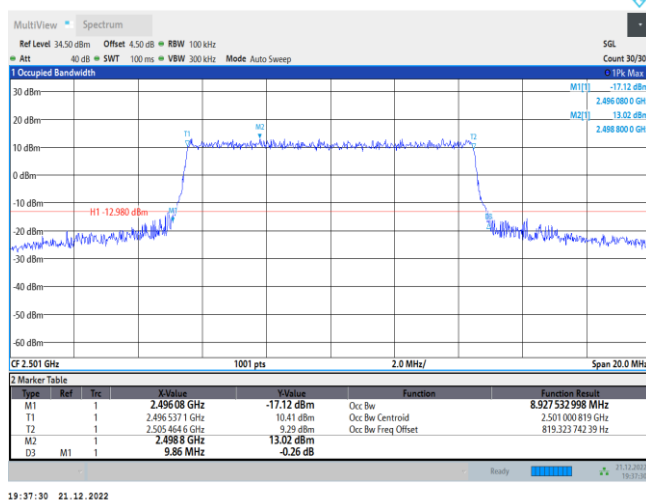
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Band41-10MHz-QPSK-39700-50RB#0



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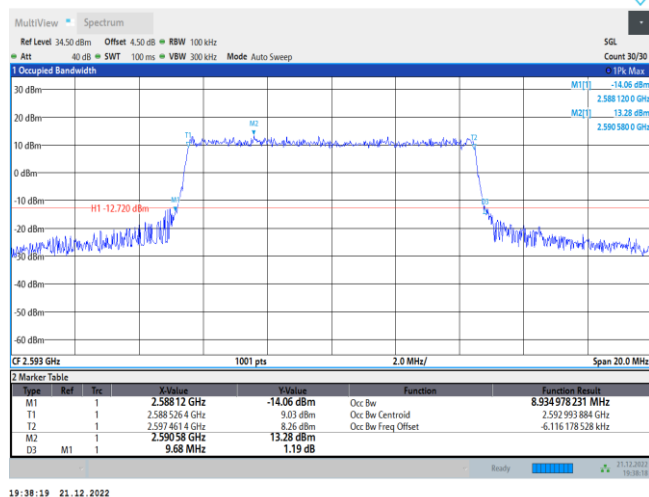
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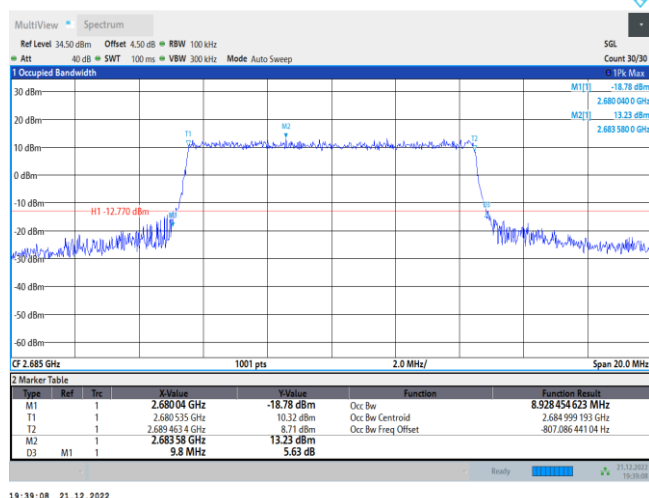
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Band41-10MHz-QPSK-41540-50RB#0

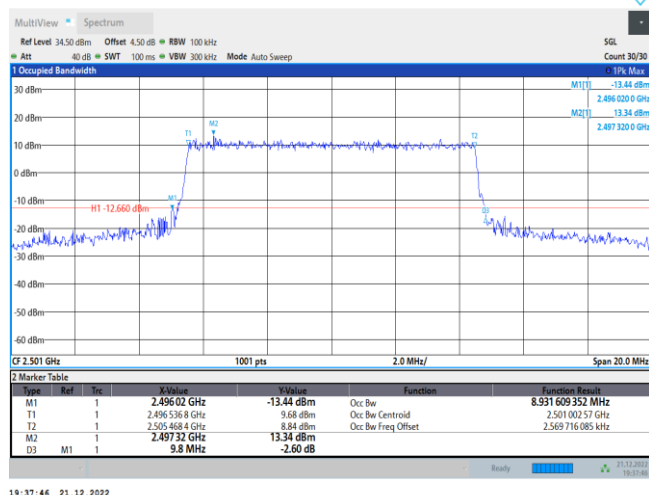


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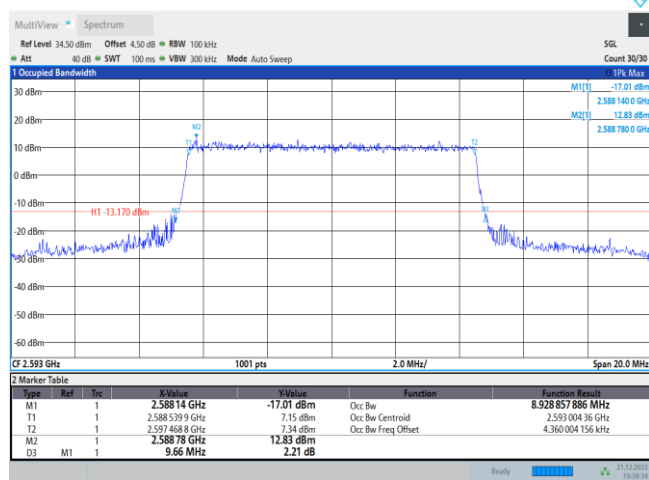
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Band41-10MHz-16QAM-39700-50RB#0



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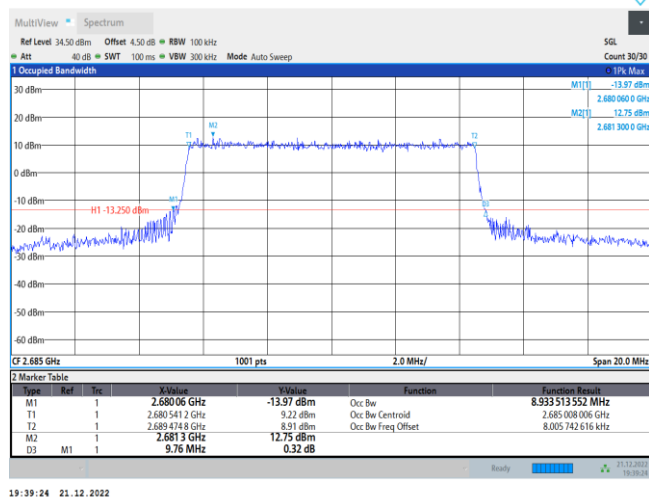
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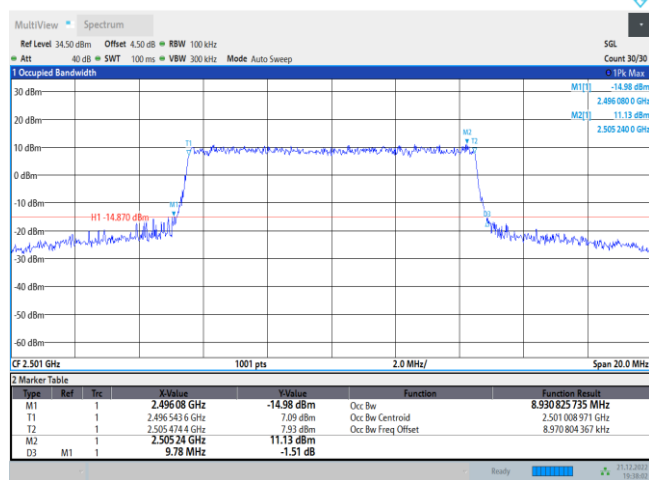
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Band41-10MHz-64QAM-39700-50RB#0



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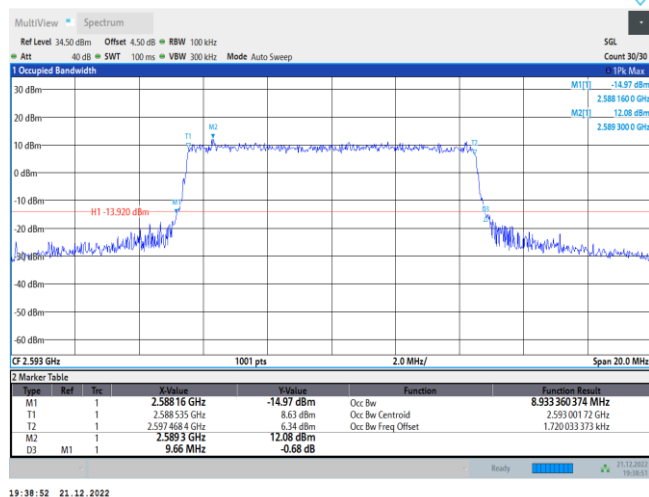
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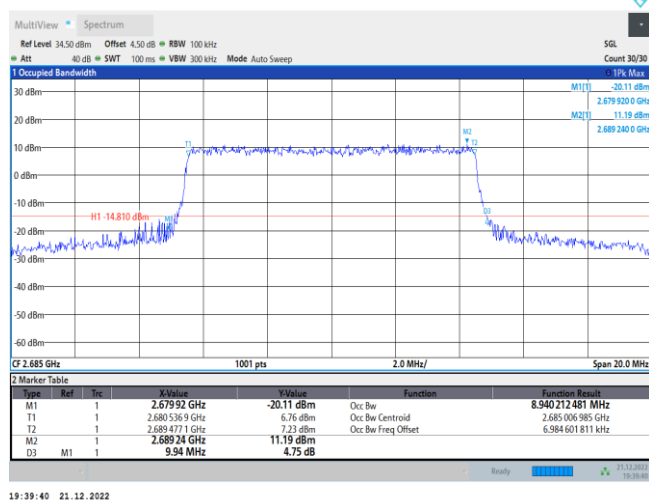
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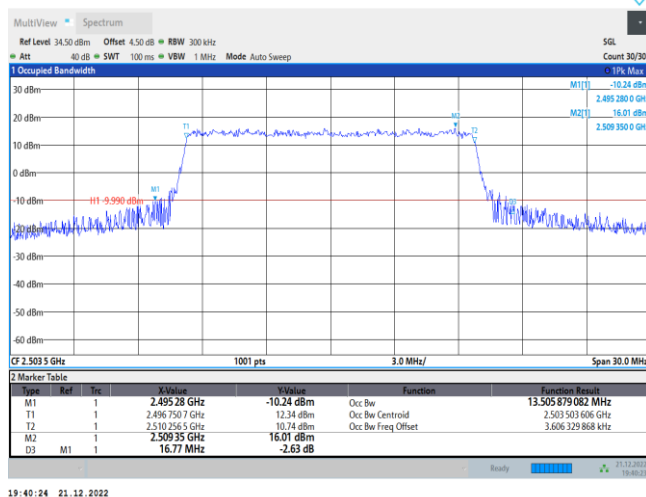
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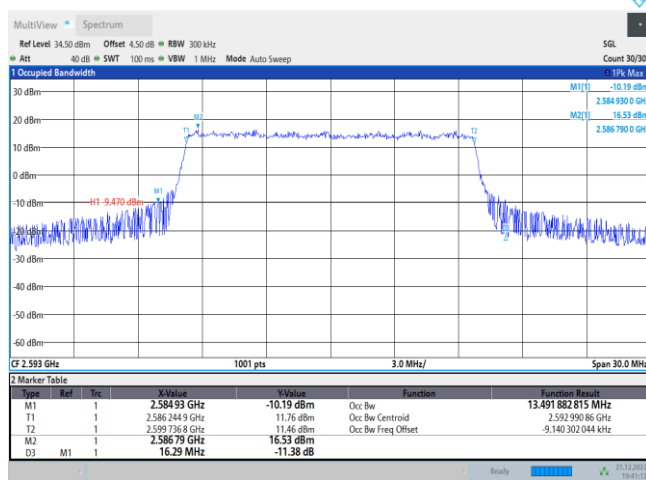
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Band41-15MHz-QPSK-40620-75RB#0



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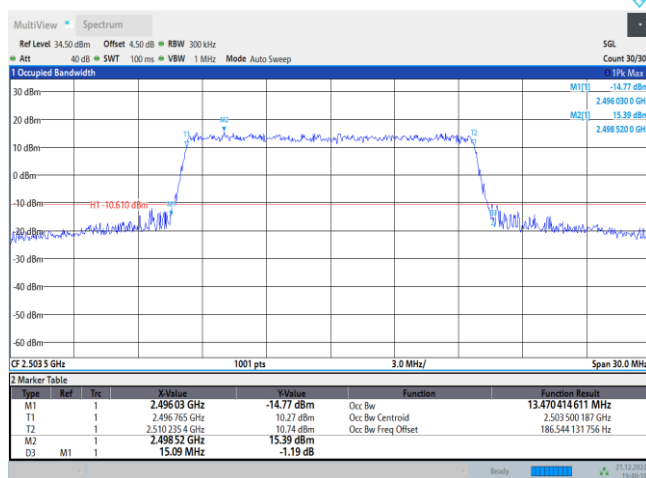
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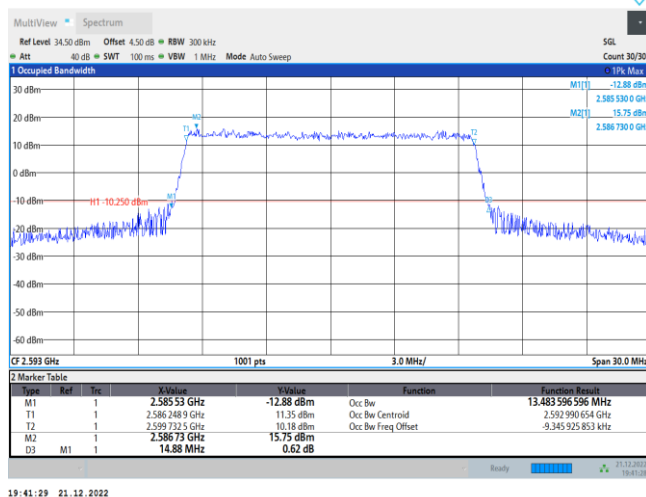
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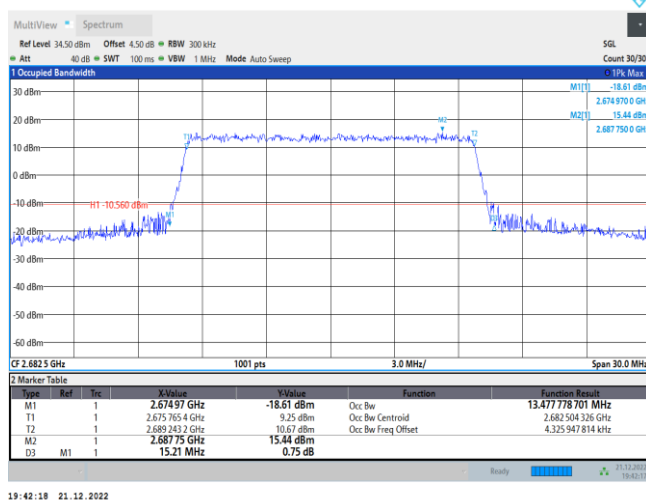
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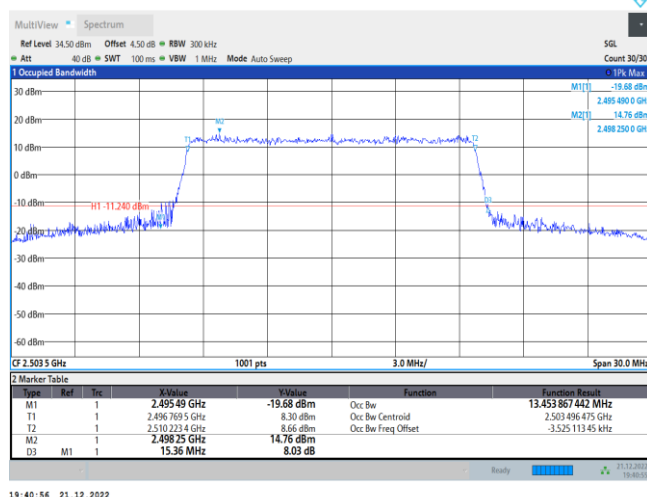
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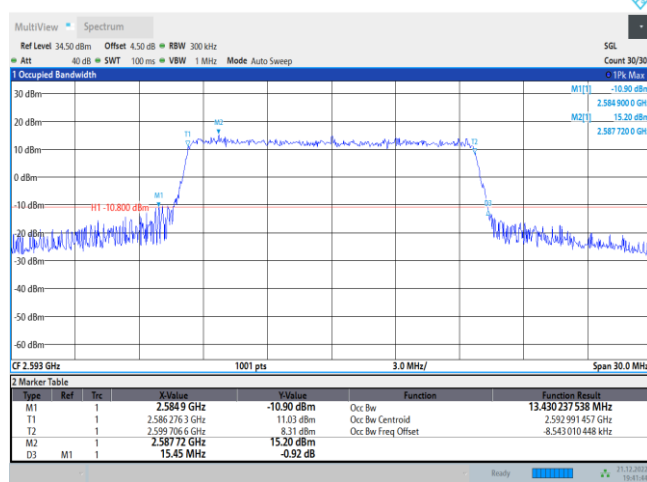
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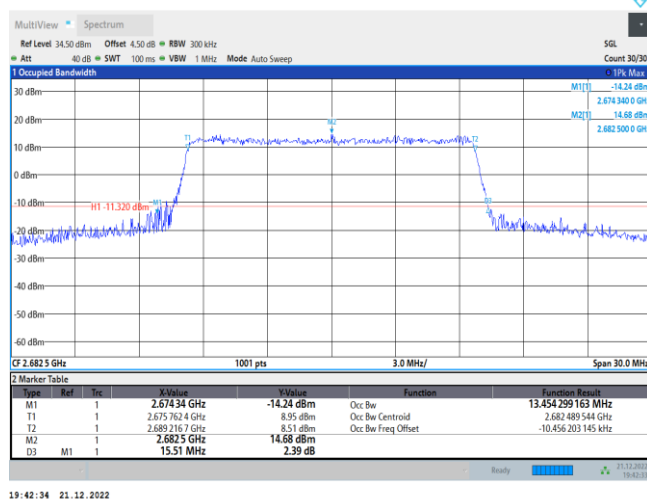
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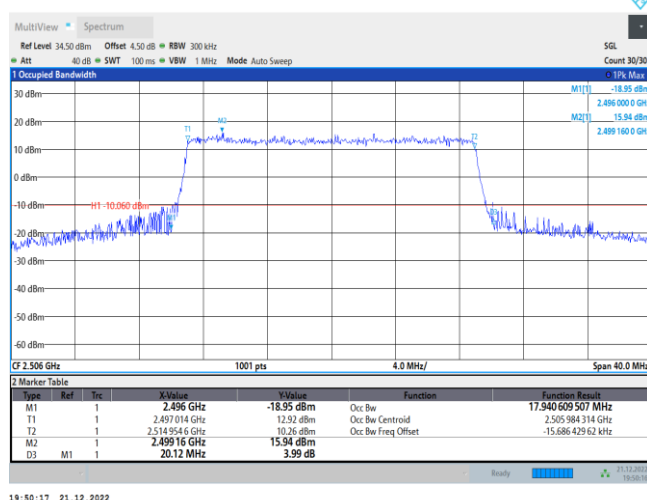
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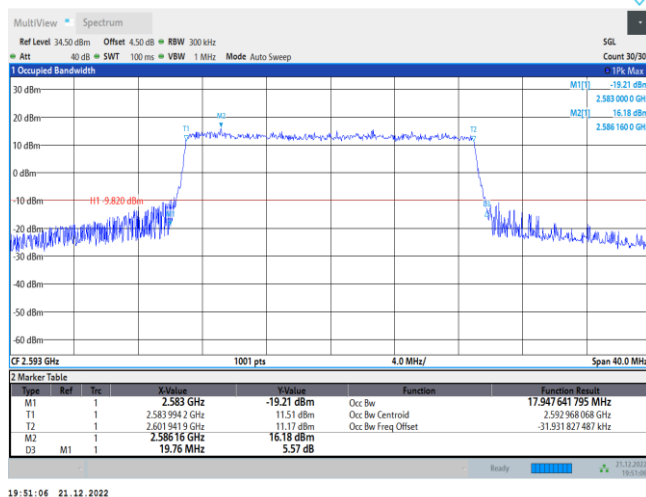
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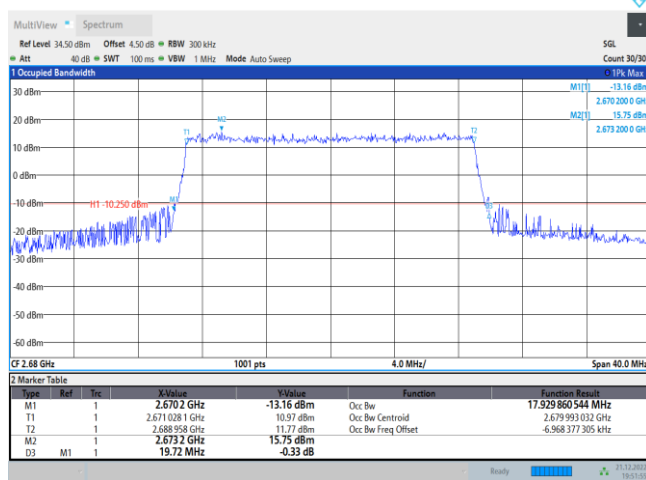
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Band41-20MHz-QPSK-40620-100RB#0



19:51:06 21.12.2022

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



19:51:56 21.12.2022



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Rev.: 02

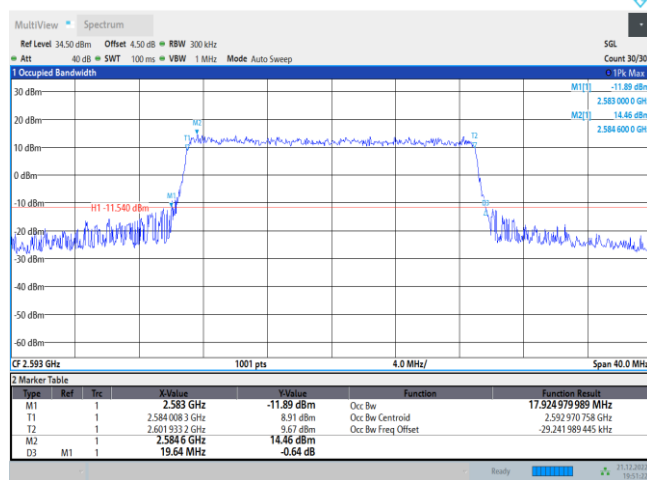
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Band41-20MHz-16QAM-39750-100RB#0



19:50:33 21.12.2022

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



19:51:23 21.12.2022



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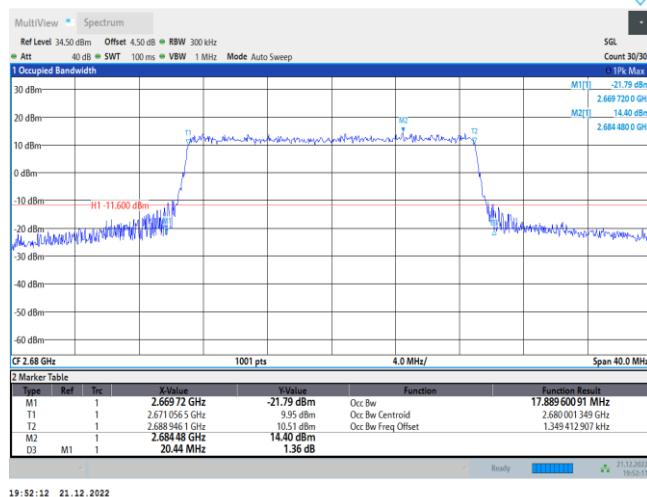
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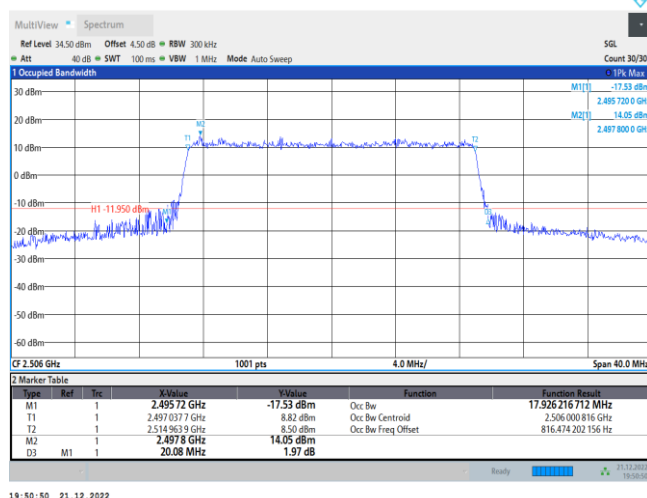
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Band41-20MHz-16QAM-41490-100RB#0



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



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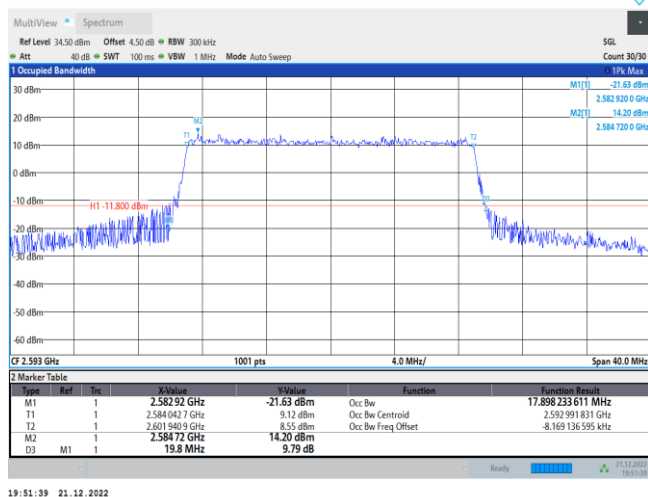
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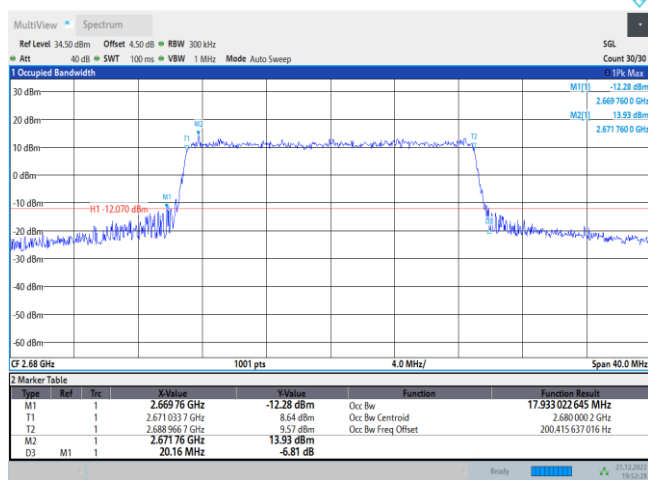
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Band41-20MHz-64QAM-41490-100RB#0



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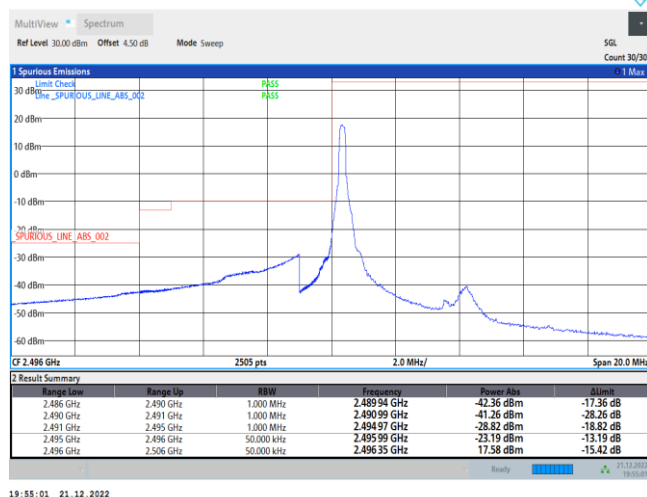
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Band Edge

Test Graphs

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



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



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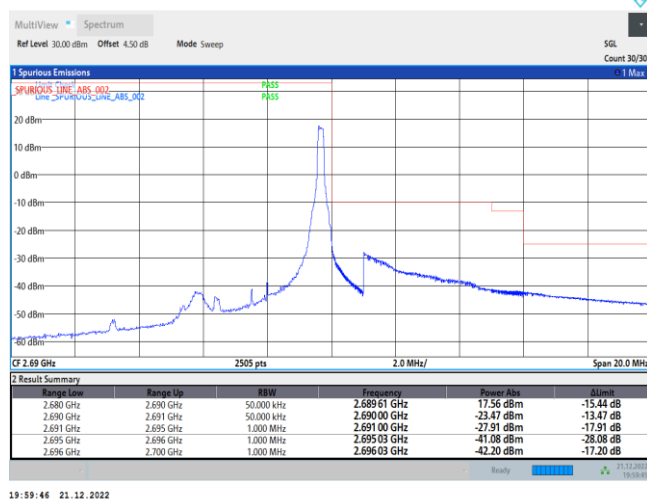
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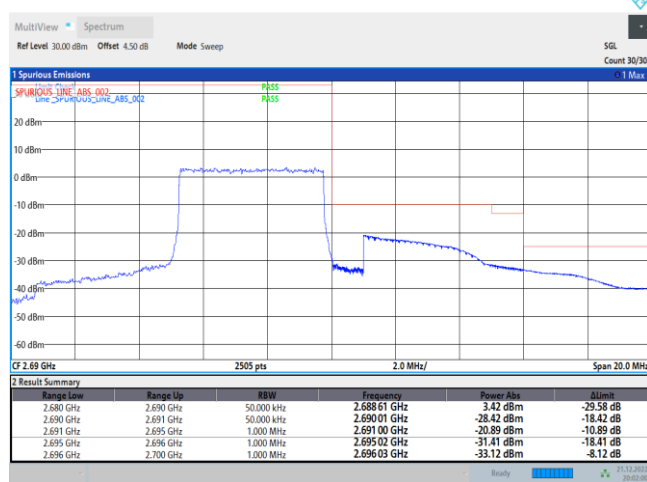
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Band41-5MHz-QPSK-41565-25RB#0



20:02:00 21.12.2022



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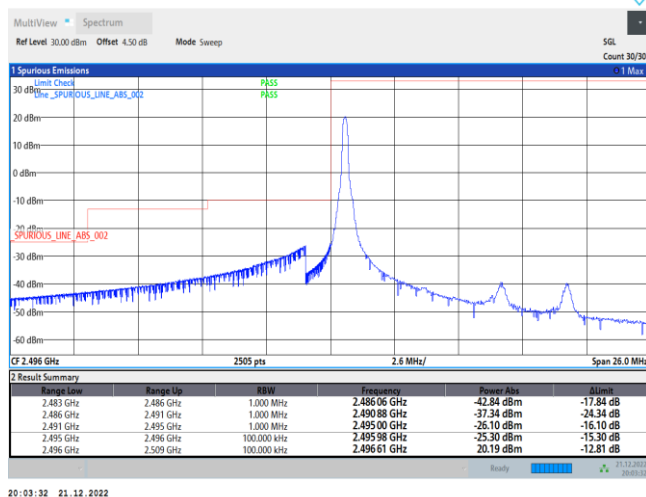
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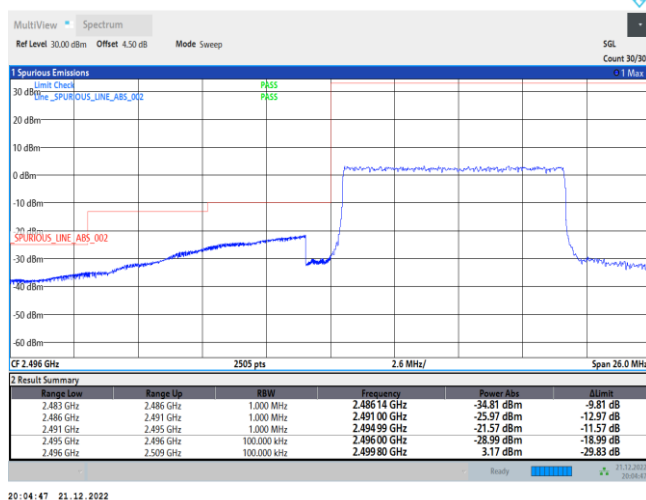
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Band41-10MHz-QPSK-39700-1RB#0



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



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