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Appendix B.10

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	22.53	23.33	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	22.63	23.43	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	22.40	23.20	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.55	22.35	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.55	23.35	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.81	23.61	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.51	23.31	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.61	22.41	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	22.73	23.53	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	22.97	23.77	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	22.74	23.54	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	21.81	22.61	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.56	22.36	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.81	22.61	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.46	22.26	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.60	21.40	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.63	22.43	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.91	22.71	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.60	22.40	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.70	21.50	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.80	22.60	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.08	22.88	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	21.79	22.59	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	20.89	21.69	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	20.20	21.00	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	20.36	21.16	33.00	PASS



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Band41	5MHz	64QAM	39675	1RB#24	20.07	20.87	33.00	PASS
Band41	5MHz	64QAM	39675	25RB#0	19.64	20.44	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	20.26	21.06	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	20.46	21.26	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	20.19	20.99	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	19.73	20.53	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	20.46	21.26	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	20.71	21.51	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	20.45	21.25	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	19.94	20.74	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.55	23.35	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.60	23.40	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.31	23.11	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.53	22.33	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.61	23.41	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.77	23.57	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.53	23.33	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.66	22.46	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.77	23.57	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.97	23.77	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.78	23.58	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	21.80	22.60	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	21.58	22.38	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	21.67	22.47	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	21.38	22.18	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.67	21.47	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.67	22.47	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.83	22.63	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.60	22.40	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.81	21.61	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.80	22.60	33.00	PASS



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Band41	10MHz	16QAM	41540	1RB#24	22.04	22.84	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.85	22.65	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.94	21.74	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	20.25	21.05	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	20.28	21.08	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	20.00	20.80	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	19.67	20.47	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	20.30	21.10	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	20.45	21.25	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	20.20	21.00	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	19.81	20.61	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	20.42	21.22	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	20.64	21.44	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	20.51	21.31	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	19.94	20.74	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.36	23.16	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.36	23.16	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.02	22.82	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.36	22.16	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.39	23.19	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.61	23.41	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.27	23.07	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.59	22.39	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.52	23.32	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.79	23.59	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	22.59	23.39	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.76	22.56	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.46	22.26	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	21.46	22.26	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.11	21.91	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.45	21.25	33.00	PASS



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Band41	15MHz	16QAM	40620	1RB#0	21.47	22.27	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.66	22.46	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.36	22.16	33.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.66	21.46	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.59	22.39	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.84	22.64	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.69	22.49	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.84	21.64	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	20.09	20.89	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	20.04	20.84	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	19.70	20.50	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	19.51	20.31	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	20.09	20.89	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	20.27	21.07	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	19.96	20.76	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	19.68	20.48	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	20.27	21.07	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	20.46	21.26	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	20.31	21.11	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	19.84	20.64	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.31	23.11	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.52	23.32	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	21.93	22.73	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.45	22.25	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.35	23.15	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.87	23.67	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.13	22.93	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.66	22.46	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.49	23.29	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	22.98	23.78	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	22.51	23.31	33.00	PASS



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Band41	20MHz	QPSK	41490	100RB#0	21.78	22.58	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.39	22.19	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.62	22.42	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.02	21.82	33.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.56	21.36	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.42	22.22	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.95	22.75	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.21	22.01	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.76	21.56	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.55	22.35	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	22.07	22.87	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.56	22.36	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.86	21.66	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	20.01	20.81	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	20.14	20.94	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	19.61	20.41	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	19.57	20.37	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	20.03	20.83	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	20.55	21.35	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	19.83	20.63	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	19.70	20.50	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	20.18	20.98	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	20.70	21.50	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	20.20	21.00	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	19.88	20.68	33.00	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	8.00	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.06	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	7.86	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	8.80	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	8.76	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	8.68	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	8.98	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	9.06	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	8.88	13	PASS



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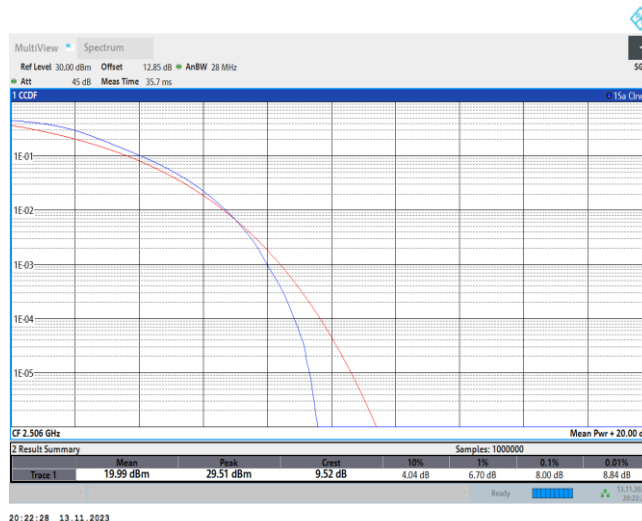
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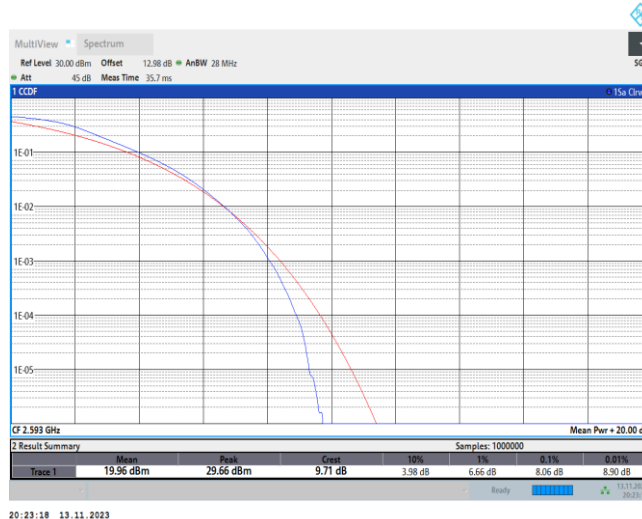
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Test Graphs

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



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



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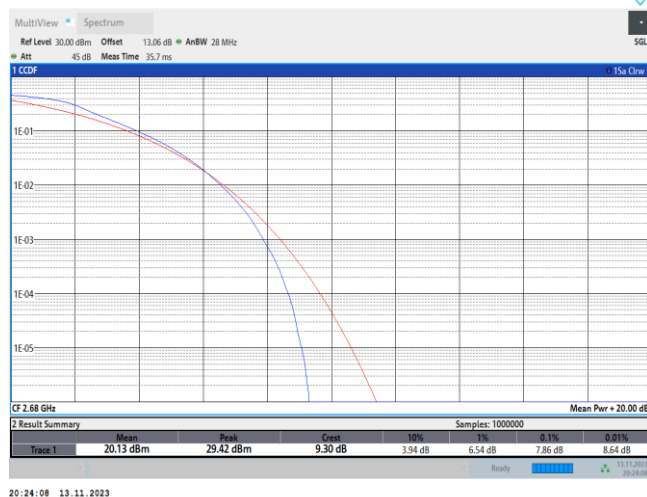
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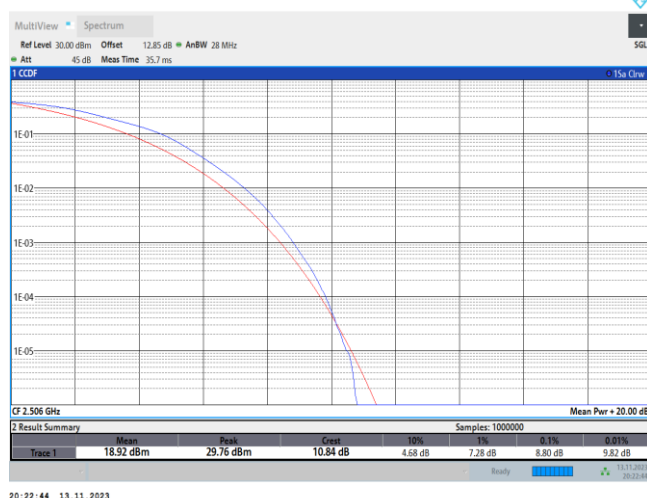
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Band41-20MHz-QPSK-41490-100RB#0



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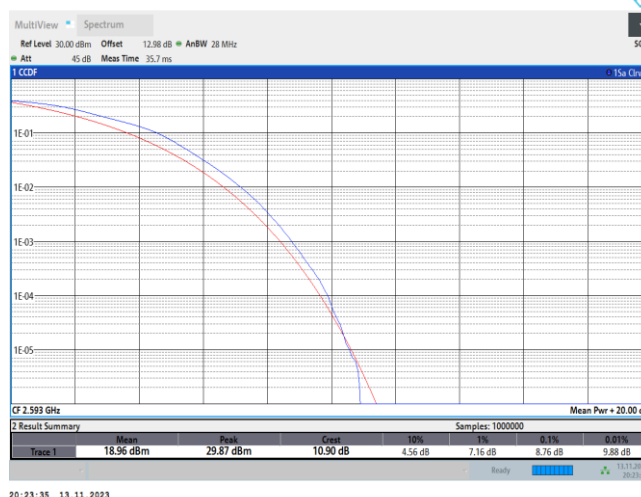


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Band41-20MHz-16QAM-40620-100RB#0



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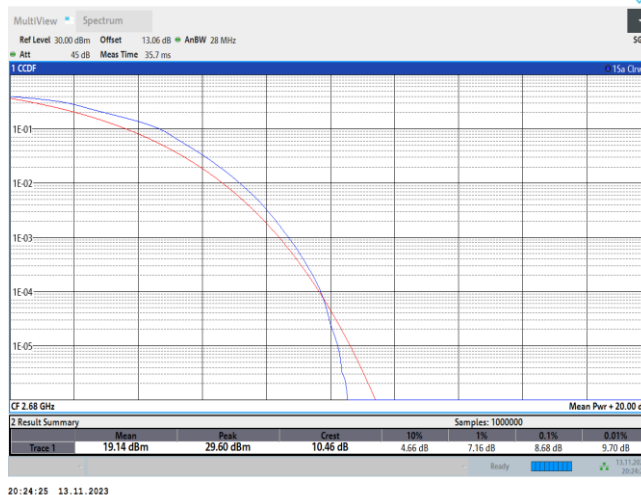
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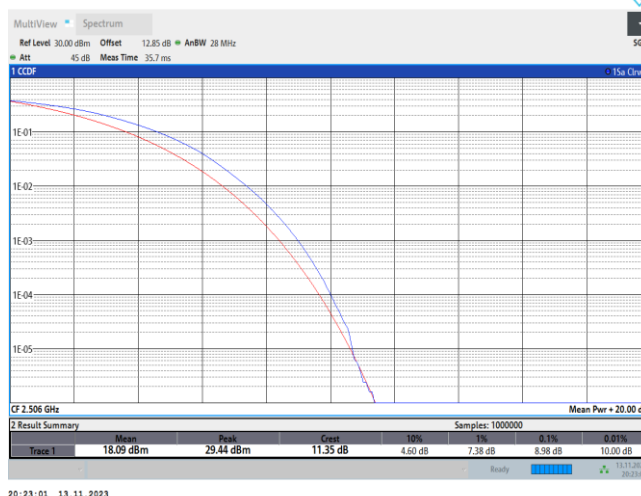
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Band41-20MHz-16QAM-41490-100RB#0



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



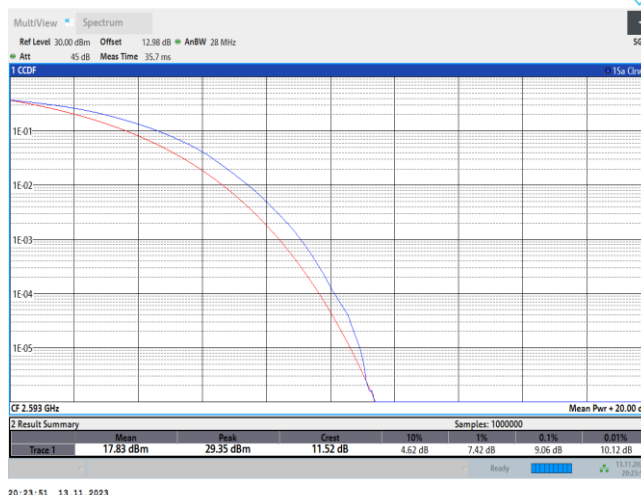
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Band41-20MHz-64QAM-40620-100RB#0



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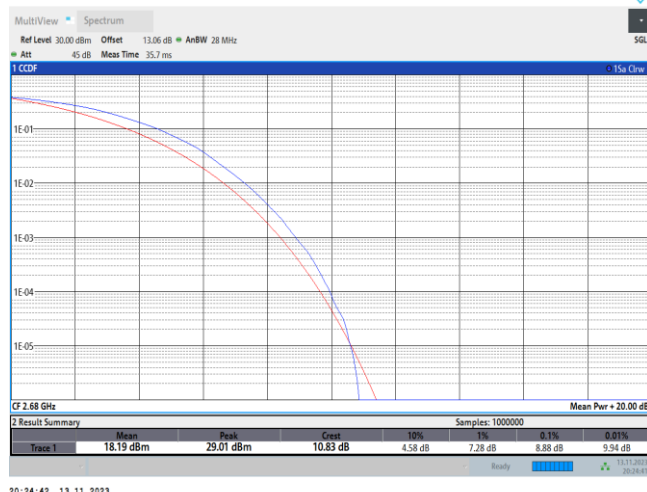
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Band41-20MHz-64QAM-41490-100RB#0



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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	4.495	4.90	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.495	4.87	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.492	4.87	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.488	5.03	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.492	5.03	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.486	5.03	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.496	4.87	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.492	4.87	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.491	4.87	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.968	9.73	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.965	9.73	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.969	9.73	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.95	9.93	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.964	10.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.952	9.93	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.97	9.67	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.983	9.67	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.969	9.67	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.556	15.80	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.551	15.40	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.577	16.10	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.538	15.30	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.534	16.20	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.548	15.80	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.516	15.10	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.518	15.40	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.508	15.70	PASS



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Band41	20MHz	QPSK	39750	100RB#0	18.039	20.27	PASS
Band41	20MHz	QPSK	40620	100RB#0	18.025	20.53	PASS
Band41	20MHz	QPSK	41490	100RB#0	18.045	20.53	PASS
Band41	20MHz	16QAM	39750	100RB#0	18.035	20.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	18.008	20.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	18.053	19.87	PASS
Band41	20MHz	64QAM	39750	100RB#0	18.018	20.40	PASS
Band41	20MHz	64QAM	40620	100RB#0	18.004	20.27	PASS
Band41	20MHz	64QAM	41490	100RB#0	18.033	20.40	PASS



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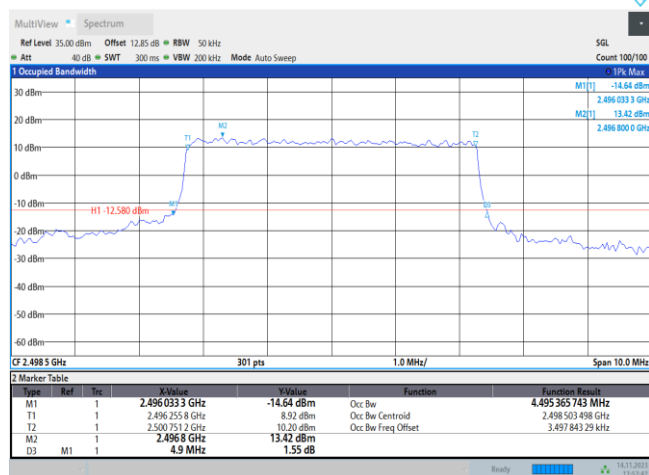
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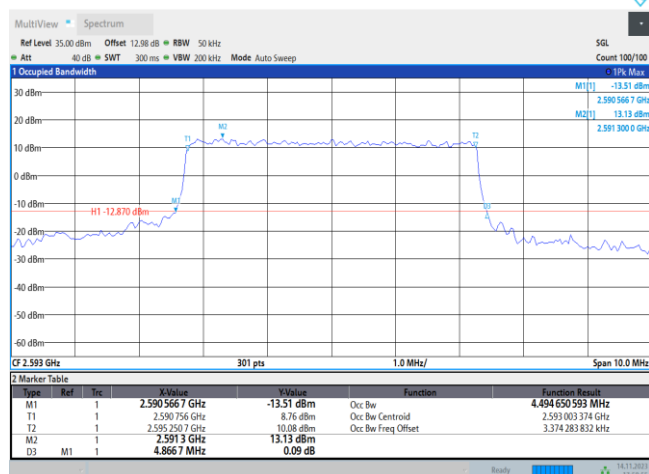
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Test Graphs

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



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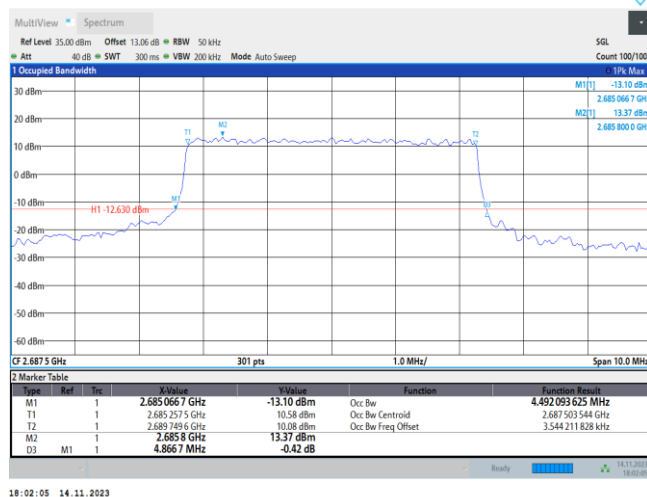
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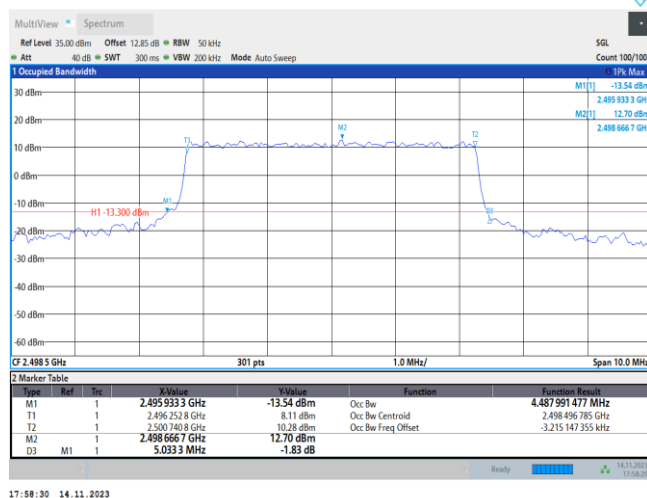
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Band41-5MHz-QPSK-41565-25RB#0



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



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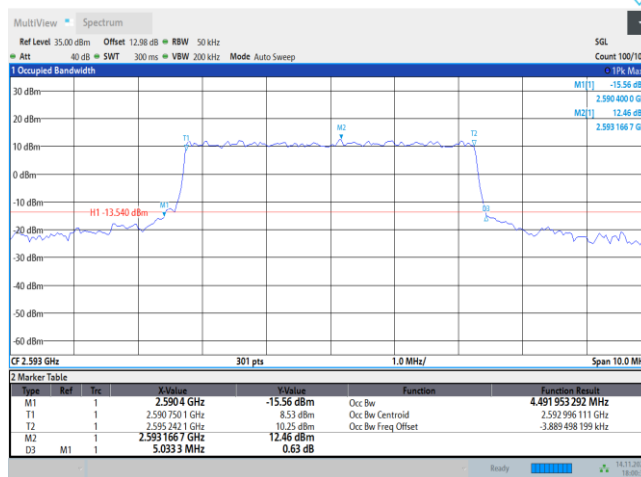
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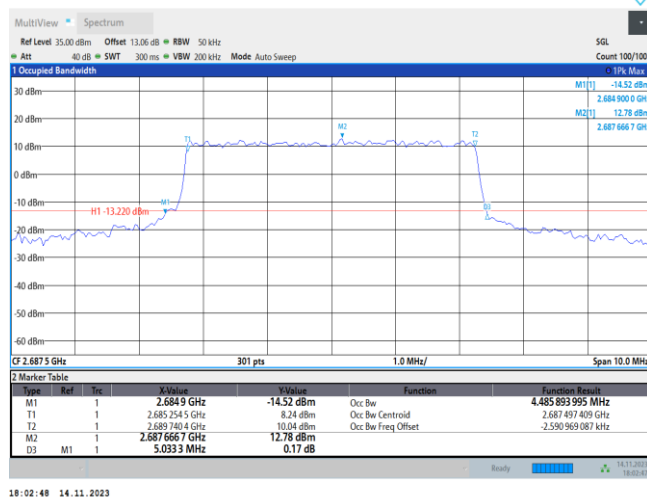
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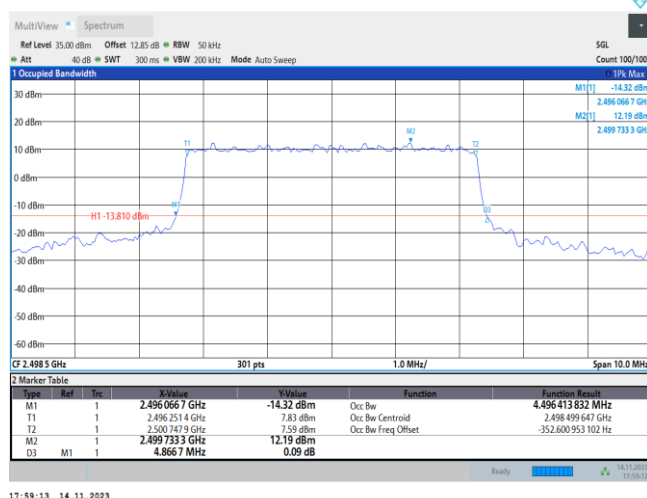
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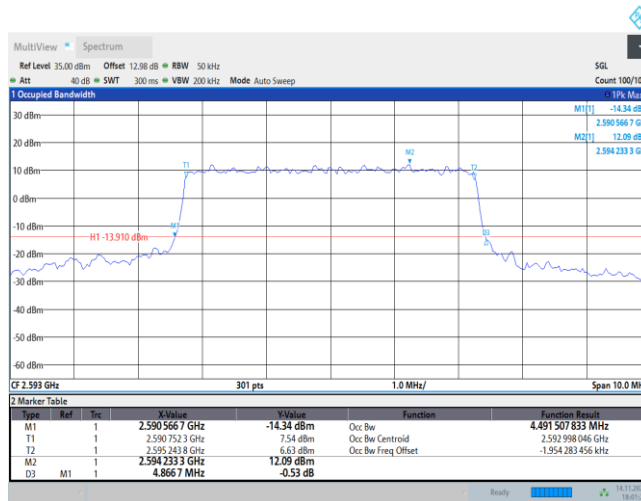
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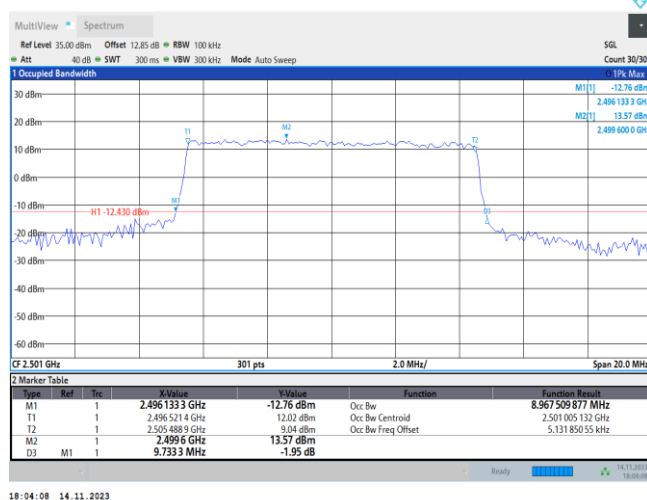
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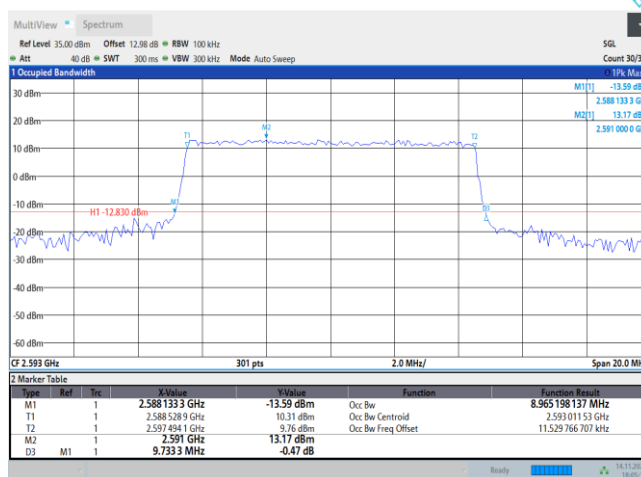
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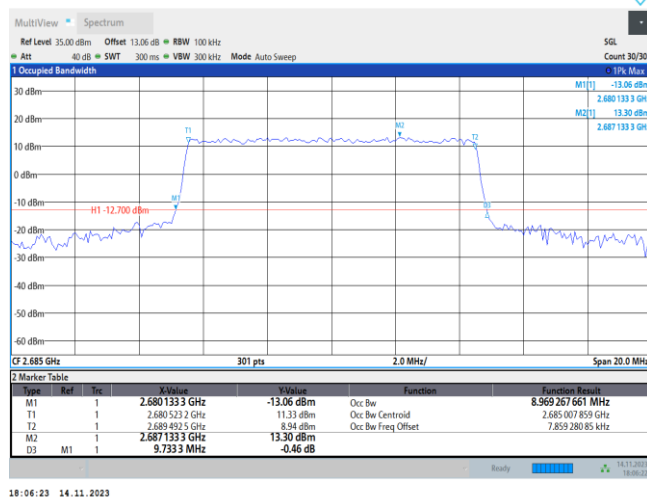
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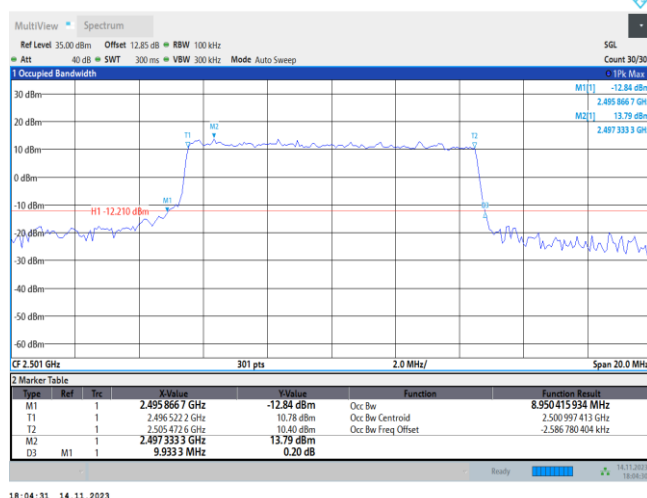
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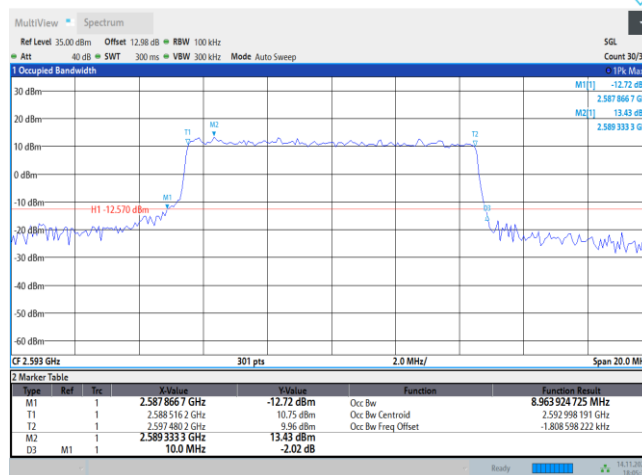
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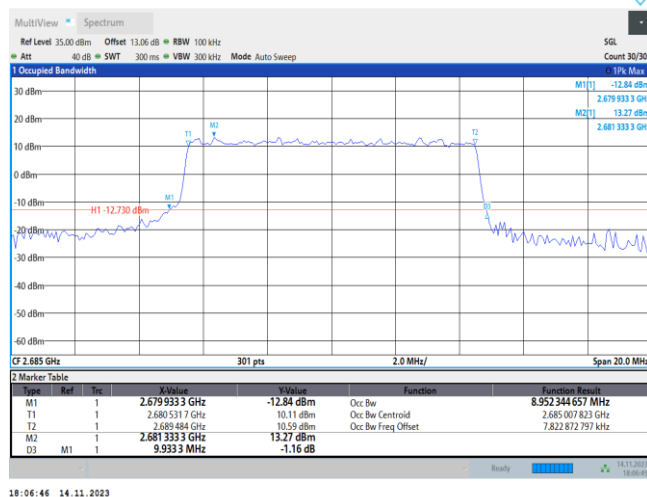
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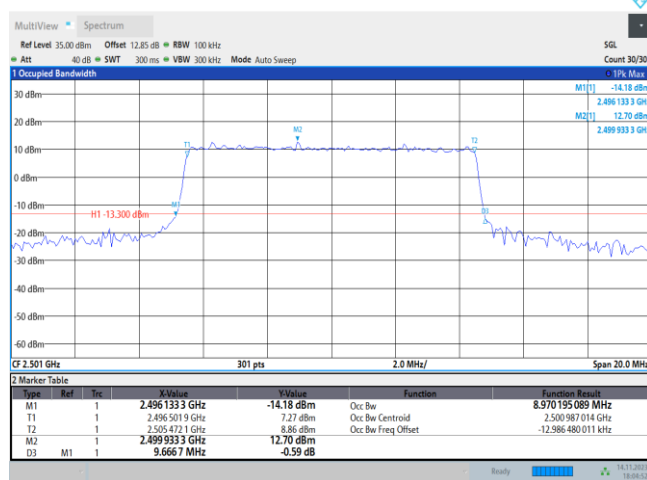
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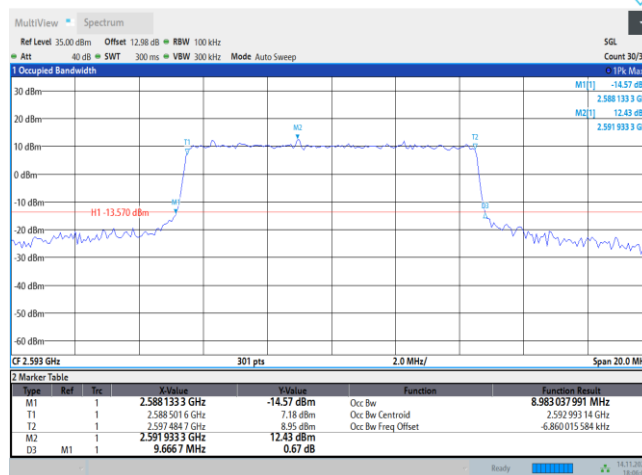
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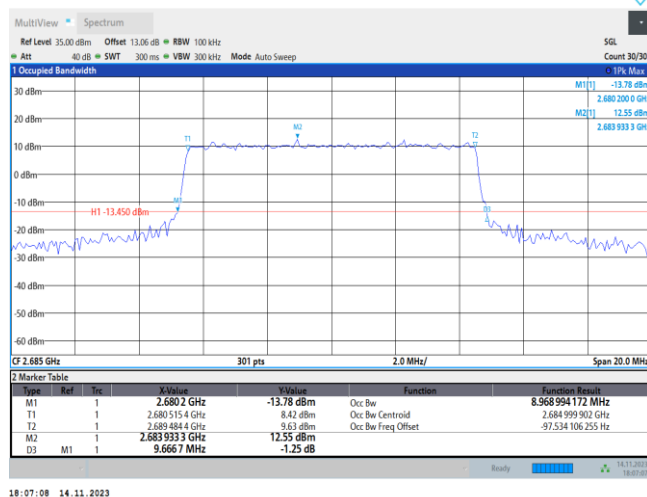
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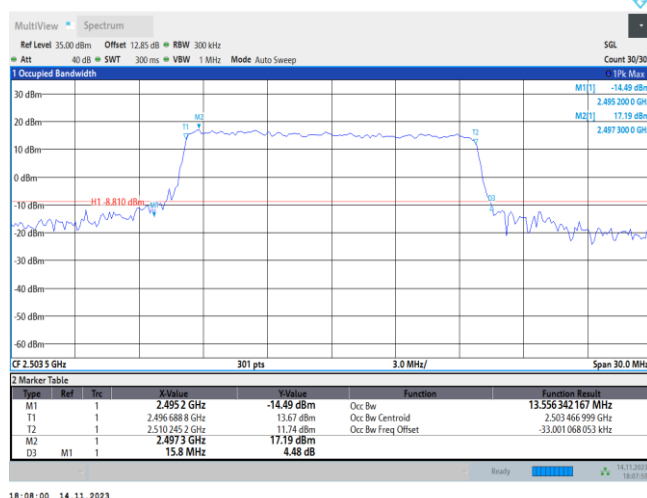
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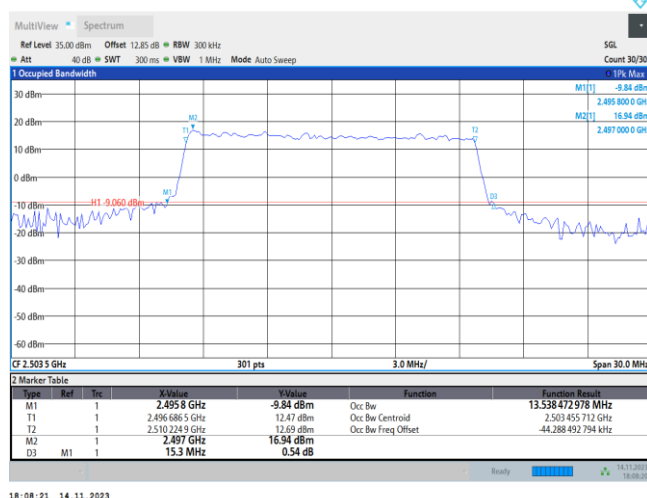
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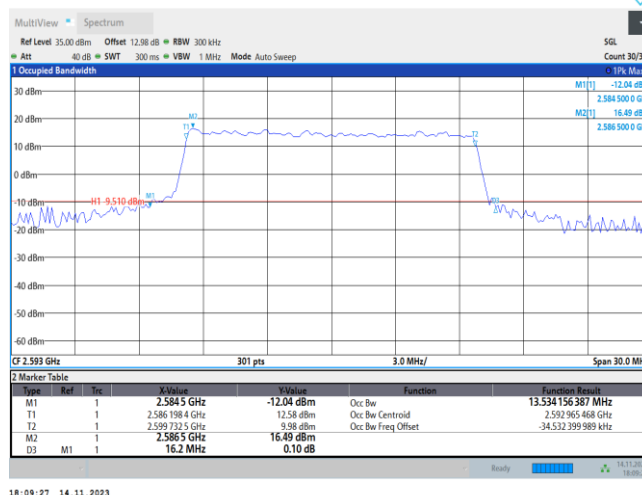
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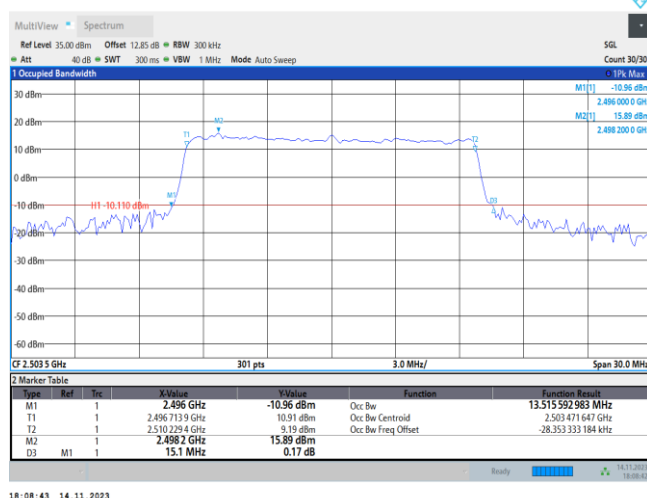
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Band41-15MHz-64QAM-39725-75RB#0



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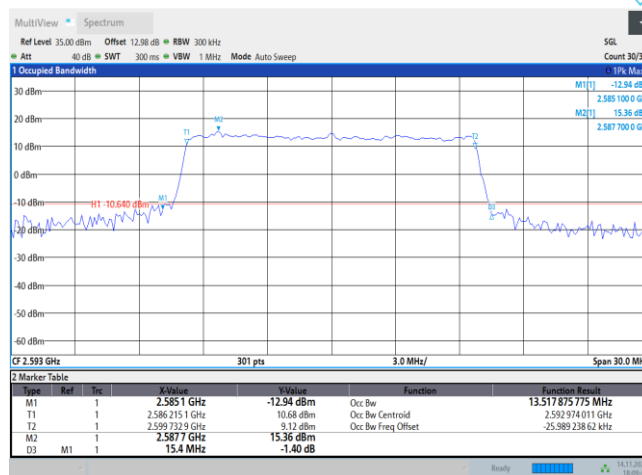
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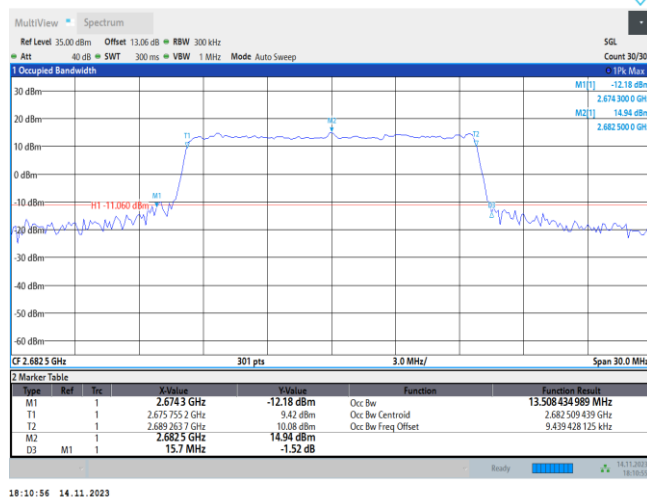
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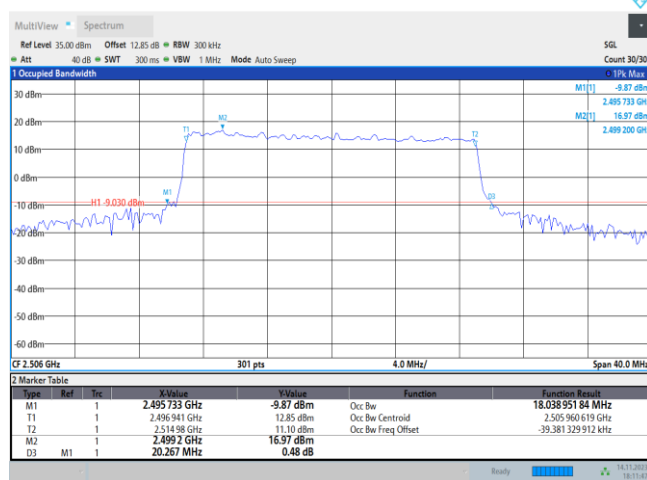
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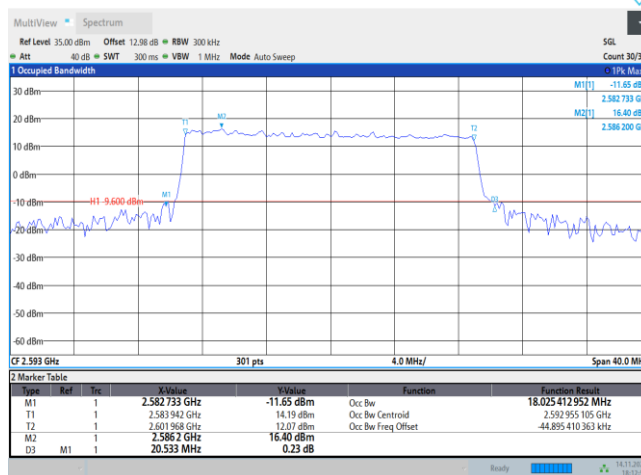
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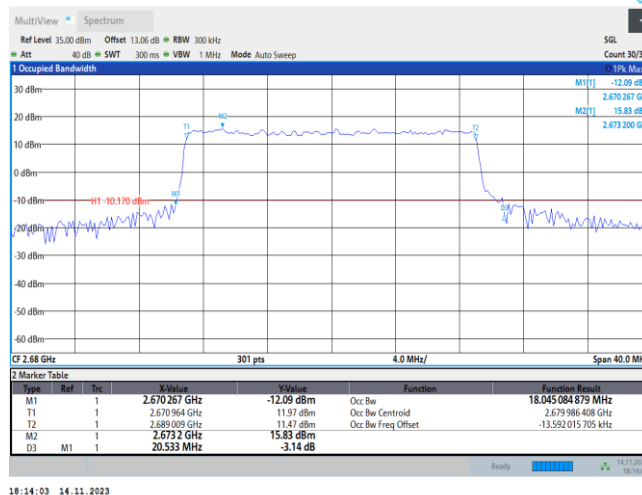
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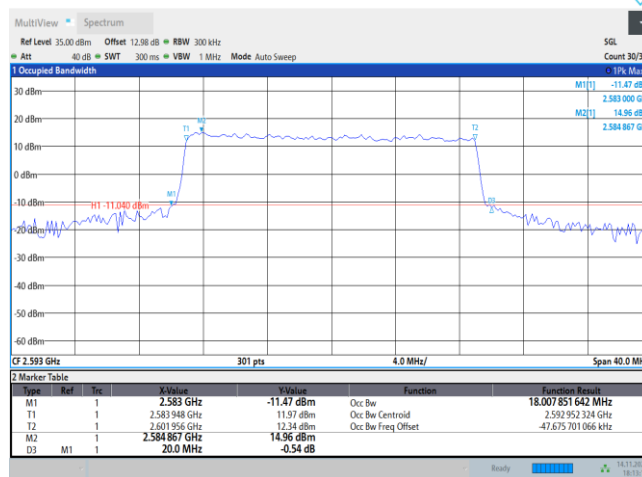
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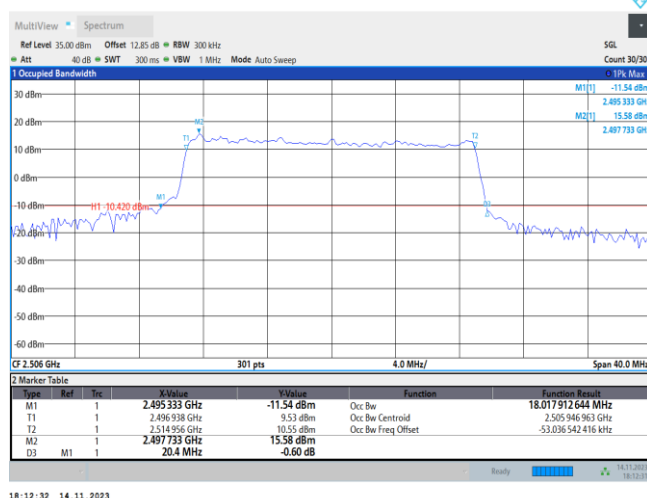
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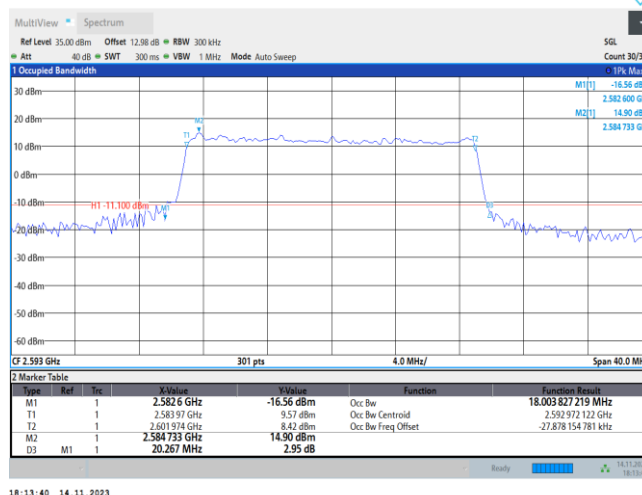
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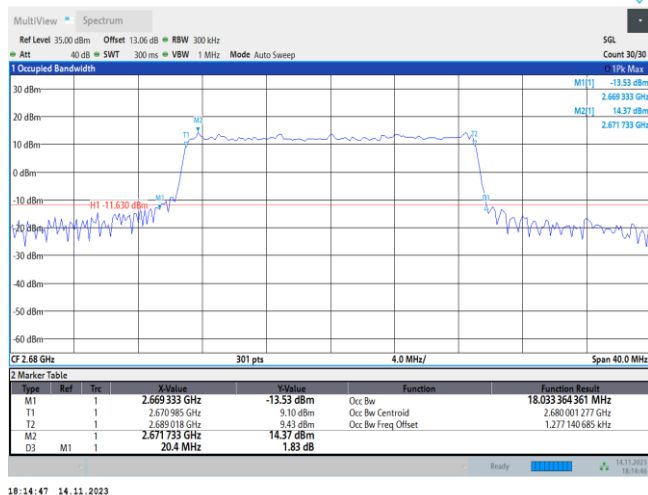
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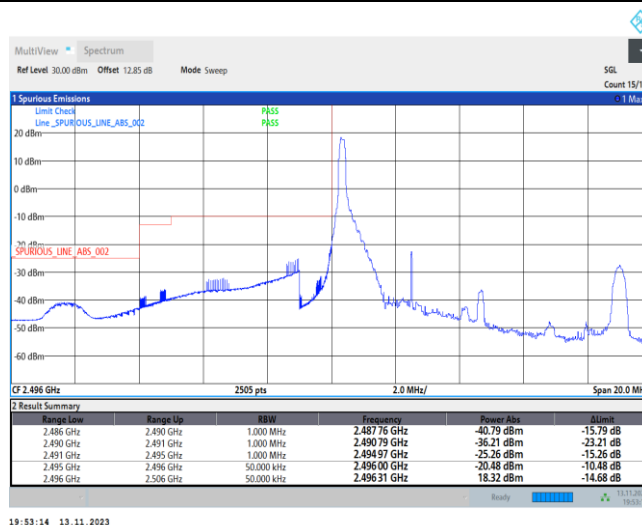
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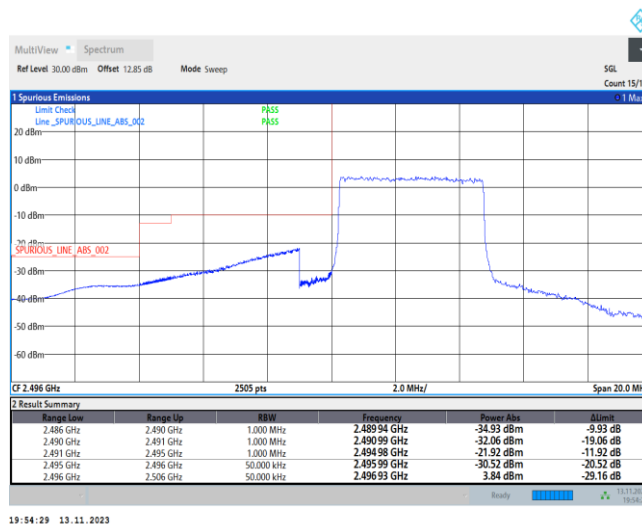
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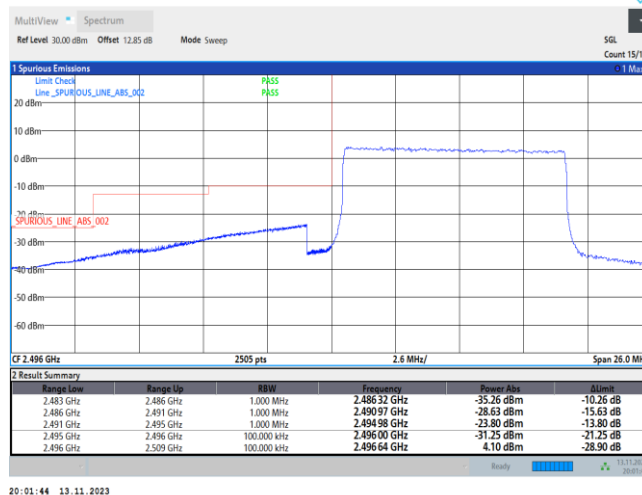
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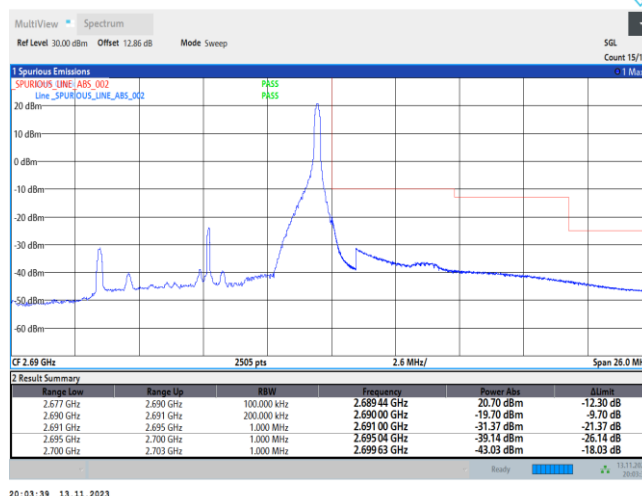
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Band41-10MHz-QPSK-39700-50RB#0



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



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



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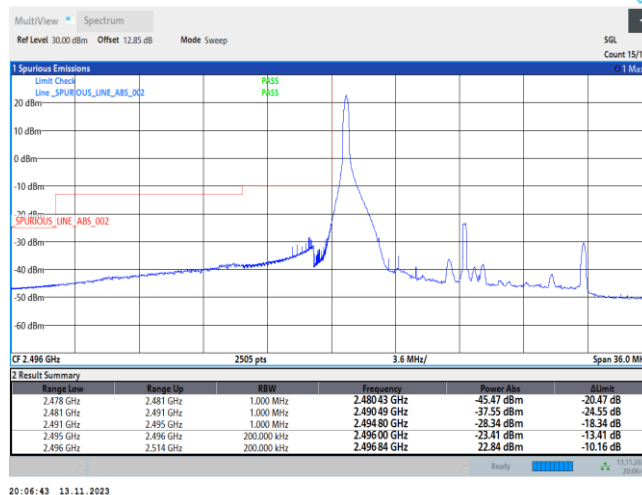
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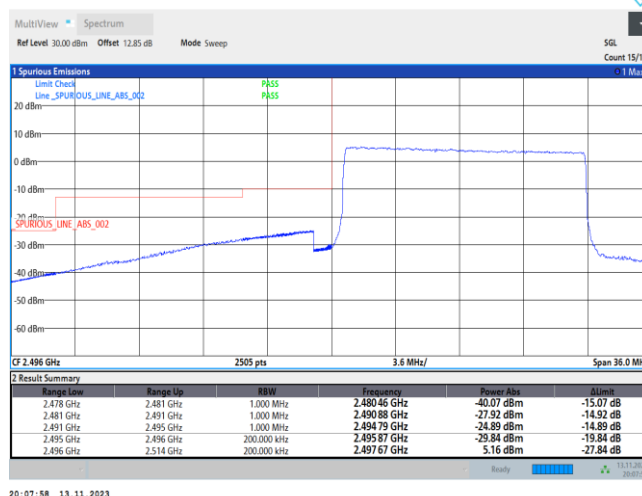
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Band41-15MHz-QPSK-39725-1RB#0



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



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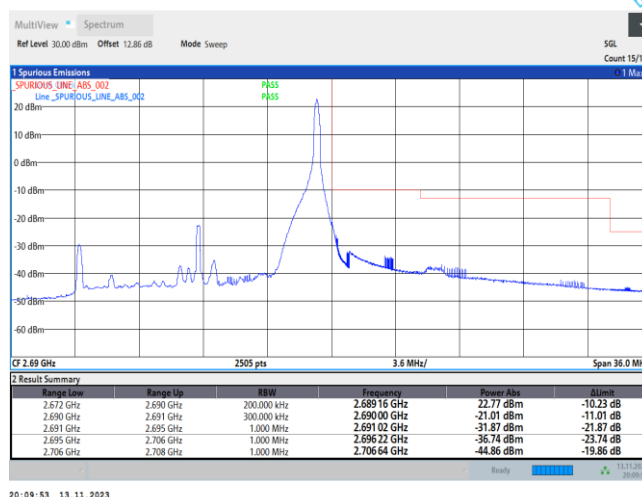
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Band41-15MHz-QPSK-41515-1RB#74



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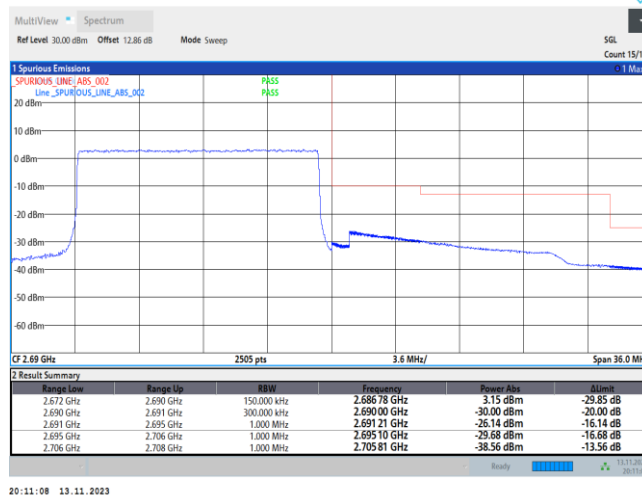
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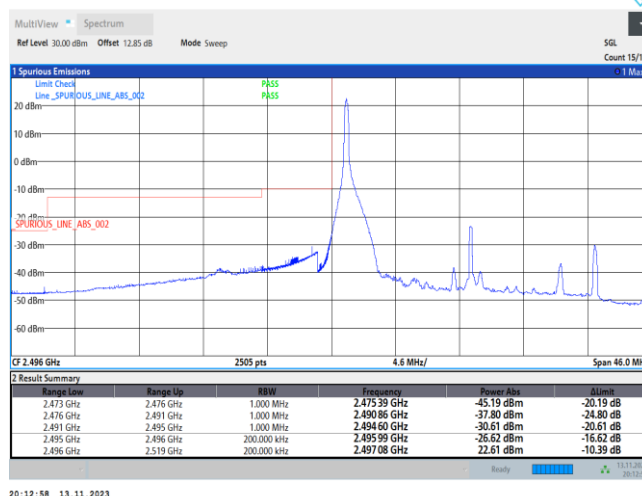
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Band41-15MHz-QPSK-41515-75RB#0



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



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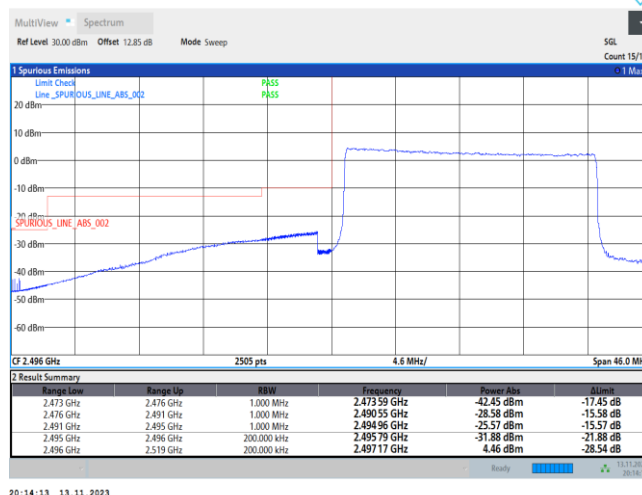
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Band41-20MHz-QPSK-39750-100RB#0



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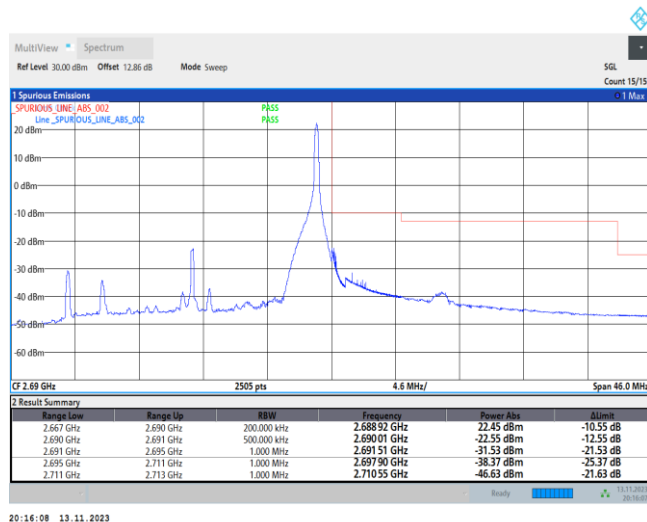
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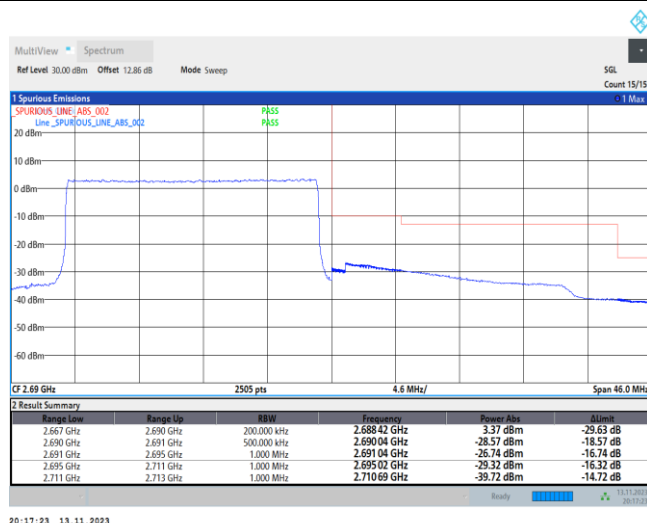
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Band41-20MHz-QPSK-41490-1RB#99



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

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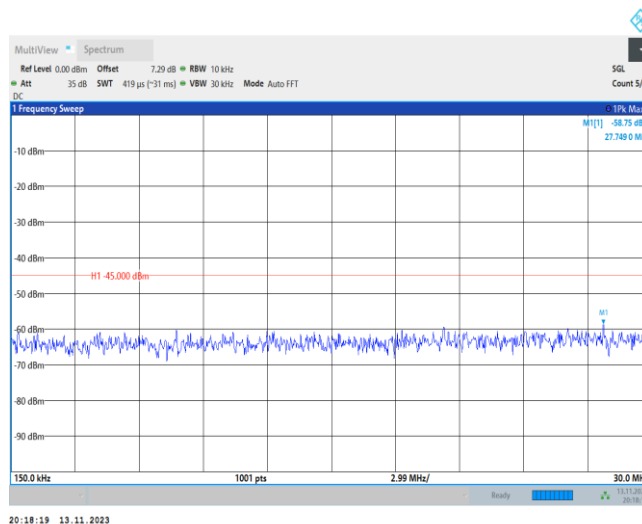
Conducted Spurious Emission

Test Graphs

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



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



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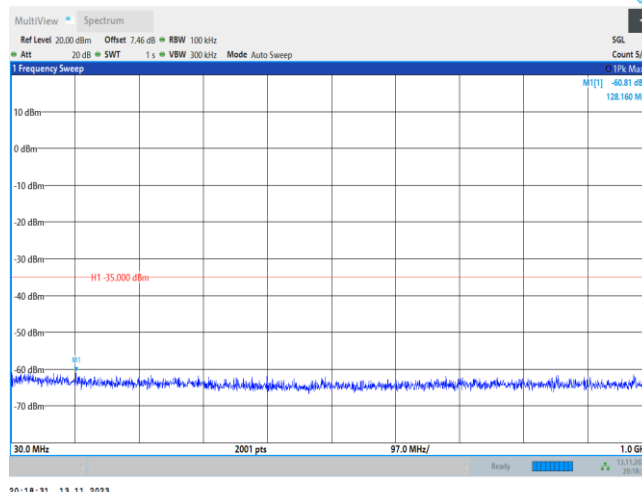
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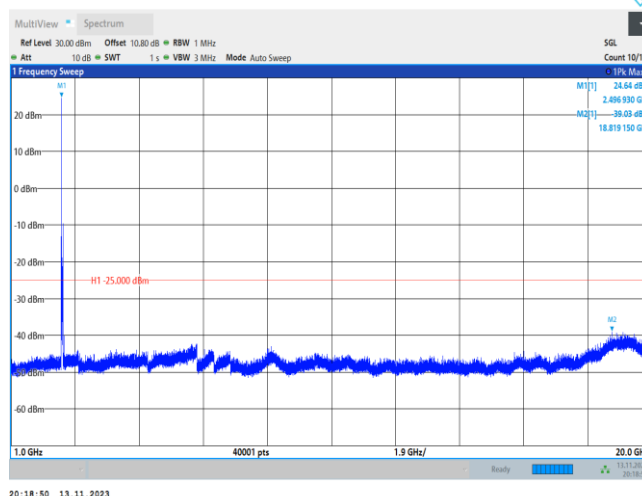
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Band41-20MHz-QPSK-39750-1RB#0-Range4:1000~20000MHz



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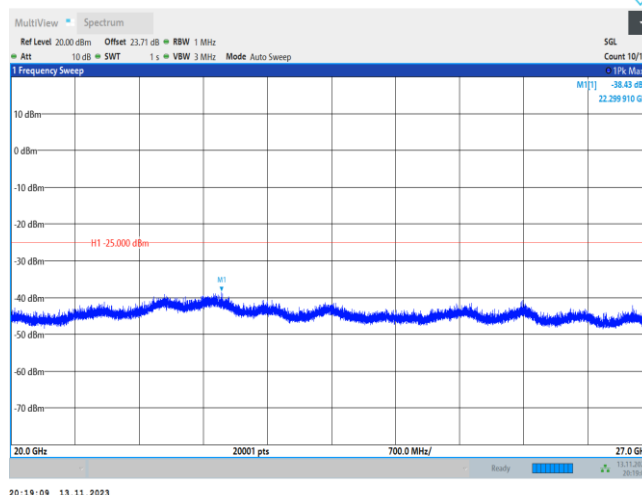
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



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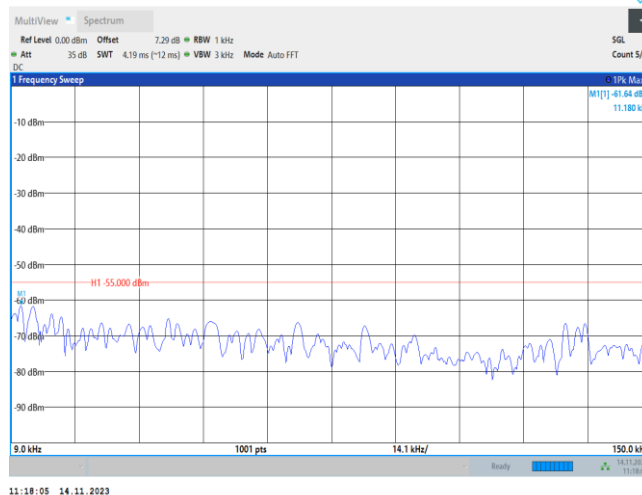
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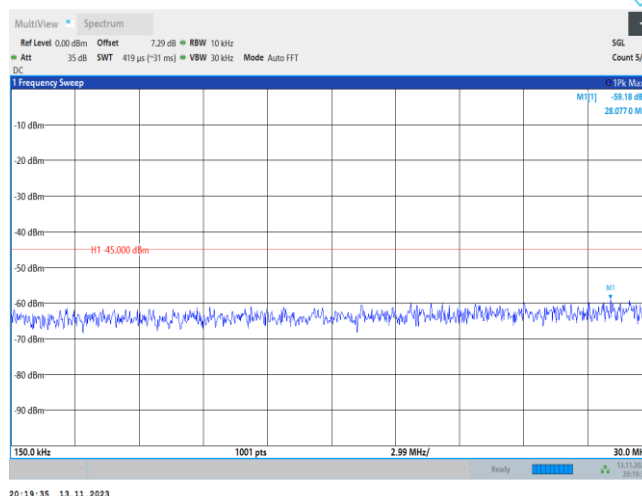
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Band41-20MHz-QPSK-40620-1RB#0-Range1:0.009~0.15MHz



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



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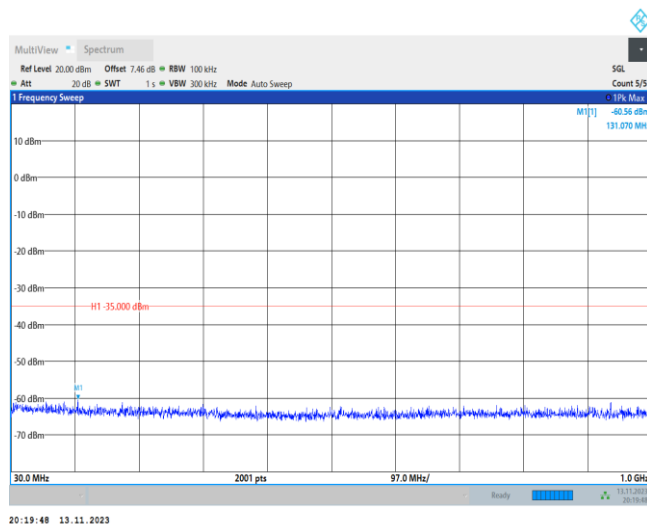


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Band41-20MHz-QPSK-40620-1RB#0-Range3:30~1000MHz



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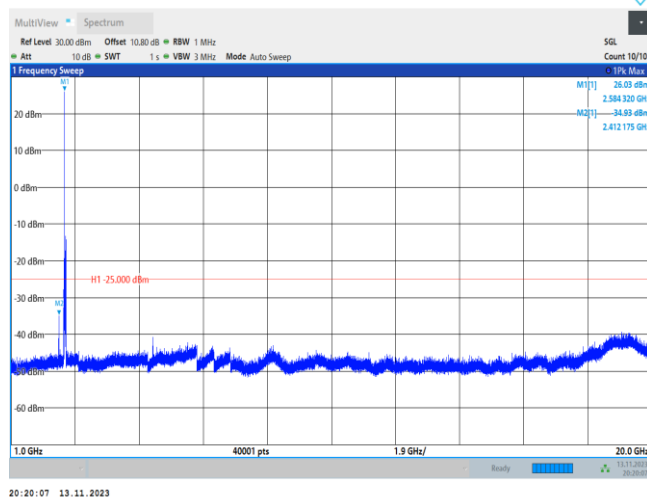
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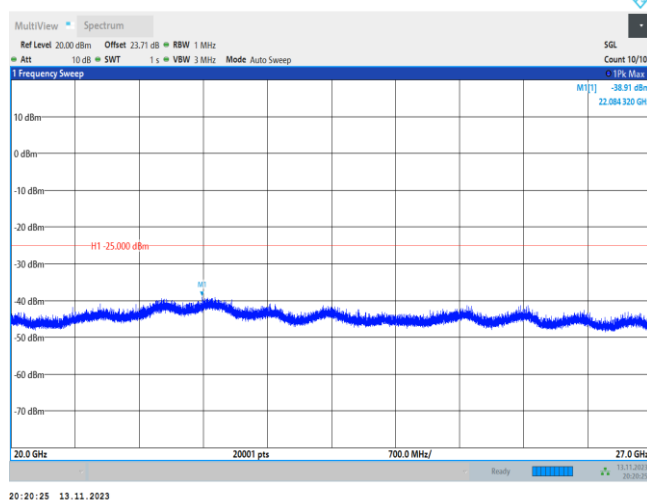
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



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



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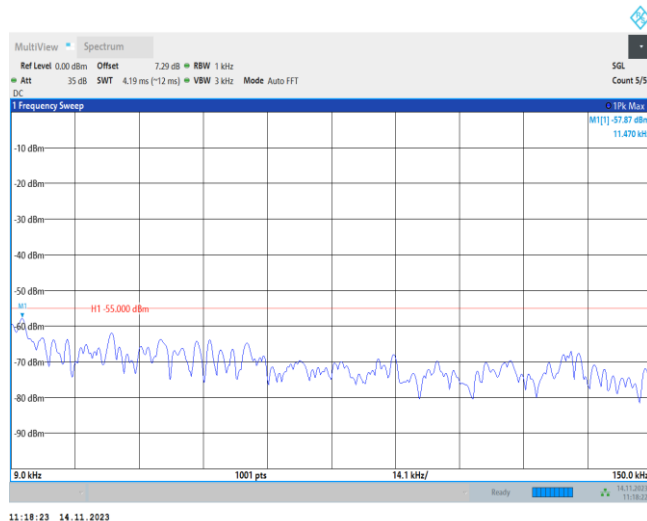
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



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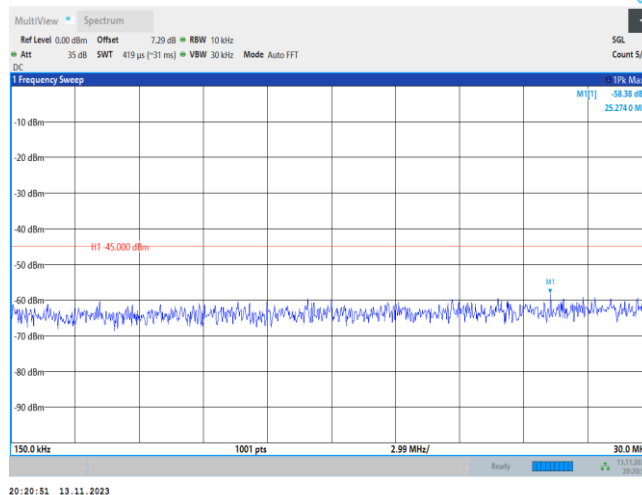
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Report No.: XEWM2311000573RG01

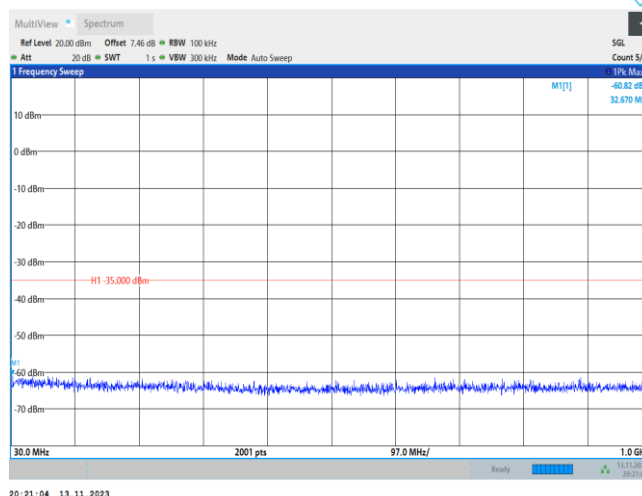
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Band41-20MHz-QPSK-41490-1RB#0-Range2:0.15~30MHz



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



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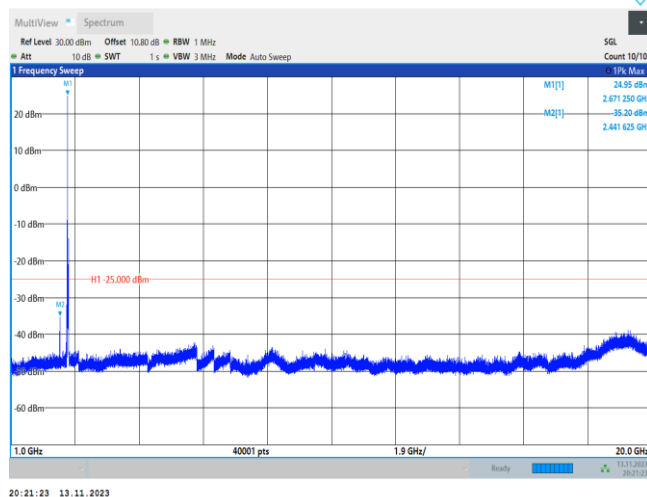
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Band41-20MHz-QPSK-41490-1RB#0-Range4:1000~20000MHz



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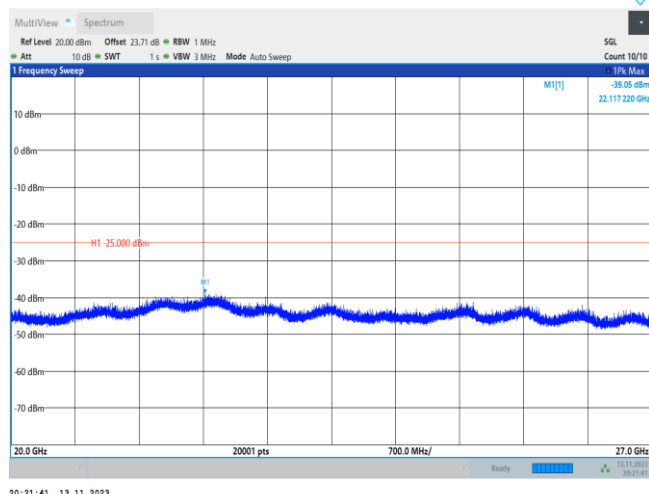
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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE_B41

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1520	35.59	-18.98	25.72	-52.93	-25.00	27.93	Horizontal
2	3738	54.56	-49.52	30.45	-59.77	-25.00	34.77	Horizontal
3	5147.5	53.02	-47.04	33.60	-55.68	-25.00	30.68	Horizontal
4	7578.5	50.70	-43.60	36.74	-51.42	-25.00	26.42	Horizontal
5	11186	47.92	-39.25	39.66	-46.93	-25.00	21.93	Horizontal
6	17919.5	48.11	-42.98	42.32	-47.81	-25.00	22.81	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1544.5	35.81	-19.18	25.87	-52.76	-25.00	27.76	Vertical
2	3762.5	54.09	-49.41	30.50	-60.08	-25.00	35.08	Vertical
3	5259.5	52.22	-46.52	33.36	-56.20	-25.00	31.20	Vertical
4	7972.5	50.56	-43.47	37.46	-50.71	-25.00	25.71	Vertical
5	9512	49.94	-41.53	39.18	-47.67	-25.00	22.67	Vertical
6	14271.5	46.64	-39.73	40.73	-47.62	-25.00	22.62	Vertical



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Test Band = LTE_B41

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1652	35.89	-19.01	25.90	-52.48	-25.00	27.48	Horizontal
2	4249.5	53.88	-48.50	32.09	-57.79	-25.00	32.79	Horizontal
3	6499.5	49.92	-44.04	35.09	-54.29	-25.00	29.29	Horizontal
4	9391	48.79	-41.38	38.66	-49.19	-25.00	24.19	Horizontal
5	12324.5	45.84	-38.07	39.68	-47.81	-25.00	22.81	Horizontal
6	17919	47.50	-42.98	42.31	-48.43	-25.00	23.43	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1356	35.58	-19.38	25.89	-53.17	-25.00	28.17	Vertical
2	3738	54.42	-49.52	30.45	-59.91	-25.00	34.91	Vertical
3	6205.5	51.66	-45.45	34.22	-54.83	-25.00	29.83	Vertical
4	8551.5	49.08	-42.27	39.07	-49.38	-25.00	24.38	Vertical
5	11377.5	47.66	-39.31	39.68	-47.23	-25.00	22.23	Vertical
6	15040.5	46.77	-39.08	39.86	-47.71	-25.00	22.71	Vertical



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Test Band = LTE_B41

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3608	54.26	-49.56	30.23	-60.33	-25.00	35.33	Horizontal
2	5342.5	54.46	-46.22	33.20	-53.82	-25.00	28.82	Horizontal
3	7102	50.92	-43.80	36.91	-51.23	-25.00	26.23	Horizontal
4	9488	49.57	-41.47	39.15	-48.01	-25.00	23.01	Horizontal
5	13374.5	46.85	-39.19	40.30	-47.30	-25.00	22.30	Horizontal
6	17981	47.99	-43.73	42.69	-48.31	-25.00	23.31	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3734.5	54.54	-49.57	30.44	-59.85	-25.00	34.85	Vertical
2	5342	54.03	-46.23	33.20	-54.26	-25.00	29.26	Vertical
3	7109.5	50.19	-43.85	36.94	-51.98	-25.00	26.98	Vertical
4	9487	50.11	-41.47	39.15	-47.47	-25.00	22.47	Vertical
5	14255	46.89	-39.74	40.75	-47.36	-25.00	22.36	Vertical
6	17910.5	47.53	-42.98	42.26	-48.45	-25.00	23.45	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

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	-12.00	-0.004628	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-10.80	-0.004165	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-7.50	-0.002892	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-4.10	-0.001581	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-5.00	-0.001928	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-5.80	-0.002237	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-7.80	-0.003008	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-9.20	-0.003548	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-2.40	-0.000926	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-8.20	-0.003162	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-9.60	-0.003702	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-4.60	-0.001774	PASS

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