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Appendix B.13

LTE Band 41



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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT4

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	24.89	24.09	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	24.86	24.06	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	24.83	24.03	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	23.87	23.07	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	25.39	24.59	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	25.43	24.63	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	25.46	24.66	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	24.46	23.66	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	25.46	24.66	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	25.46	24.66	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	25.43	24.63	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	24.47	23.67	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	24.18	23.38	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	24.15	23.35	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	24.16	23.36	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	22.87	22.07	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	24.66	23.86	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	24.71	23.91	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	24.73	23.93	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	23.44	22.64	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	24.75	23.95	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	24.76	23.96	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	24.72	23.92	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	23.49	22.69	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	22.92	22.12	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	22.85	22.05	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	22.85	22.05	33.00	PASS



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Band41	5MHz	64QAM	39675	25RB#0	21.92	21.12	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	23.42	22.62	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	23.44	22.64	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	23.46	22.66	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	22.46	21.66	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	23.50	22.70	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	23.46	22.66	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	23.44	22.64	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	22.54	21.74	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	24.90	24.10	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	24.85	24.05	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	24.86	24.06	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	23.86	23.06	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	25.31	24.51	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	25.43	24.63	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	25.44	24.64	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	24.44	23.64	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	25.38	24.58	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	25.47	24.67	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	25.41	24.61	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	24.47	23.67	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	24.15	23.35	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	24.17	23.37	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	24.17	23.37	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	22.89	22.09	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	24.58	23.78	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	24.73	23.93	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	24.75	23.95	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	23.46	22.66	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	24.67	23.87	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	24.77	23.97	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	24.70	23.90	33.00	PASS



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Band41	10MHz	16QAM	41540	50RB#0	23.50	22.70	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	22.87	22.07	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	22.87	22.07	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	22.87	22.07	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	21.83	21.03	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	23.33	22.53	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	23.44	22.64	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	23.44	22.64	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	22.40	21.60	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	23.40	22.60	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	23.47	22.67	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	23.41	22.61	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	22.46	21.66	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	24.80	24.00	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	24.79	23.99	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	24.91	24.11	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	23.86	23.06	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	25.17	24.37	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	25.38	24.58	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	25.34	24.54	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	24.36	23.56	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	25.25	24.45	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	25.35	24.55	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	25.32	24.52	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	24.43	23.63	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	24.08	23.28	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	24.12	23.32	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	24.22	23.42	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	22.87	22.07	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	24.46	23.66	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	24.67	23.87	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	24.63	23.83	33.00	PASS



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Band41	15MHz	16QAM	40620	75RB#0	23.40	22.60	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	24.57	23.77	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	24.67	23.87	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	24.62	23.82	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	23.41	22.61	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	22.81	22.01	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	22.81	22.01	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	22.94	22.14	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	21.84	21.04	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	23.18	22.38	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	23.41	22.61	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	23.36	22.56	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	22.35	21.55	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	23.29	22.49	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	23.39	22.59	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	23.33	22.53	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	22.40	21.60	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	24.83	24.03	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	24.84	24.04	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	25.09	24.29	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	23.92	23.12	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	25.05	24.25	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	25.39	24.59	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	25.26	24.46	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	24.36	23.56	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	25.20	24.40	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	25.34	24.54	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	25.28	24.48	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	24.38	23.58	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	24.09	23.29	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	24.17	23.37	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	24.39	23.59	33.00	PASS



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Band41	20MHz	16QAM	39750	100RB#0	22.93	22.13	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	24.33	23.53	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	24.68	23.88	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	24.57	23.77	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	23.39	22.59	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	24.50	23.70	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	24.65	23.85	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	24.58	23.78	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	23.42	22.62	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	22.80	22.00	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	22.86	22.06	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	23.08	22.28	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	21.91	21.11	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	23.06	22.26	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	23.42	22.62	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	23.28	22.48	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	22.39	21.59	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	23.21	22.41	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	23.37	22.57	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	23.30	22.50	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	22.40	21.60	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

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Band41	20MHz	QPSK	39750	100RB#0	9.64	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.40	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.62	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	10.34	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	10.30	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	10.24	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	10.22	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	10.50	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	10.54	13	PASS



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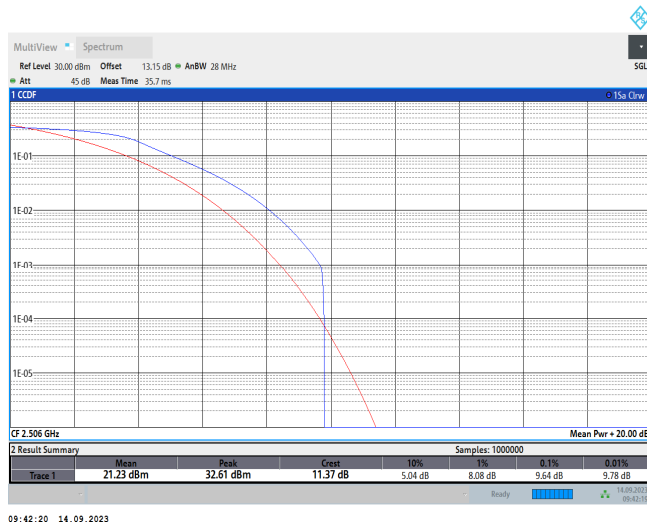
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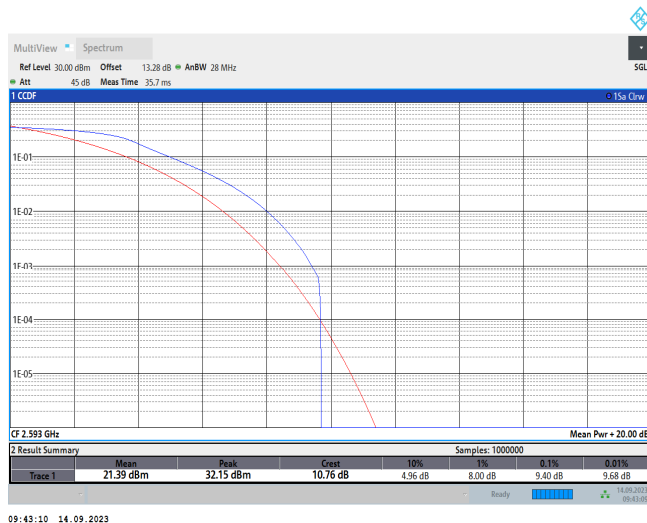
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Test Graphs

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



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



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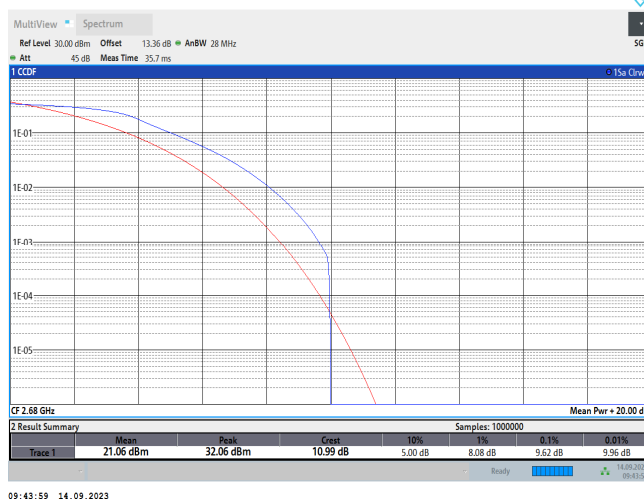
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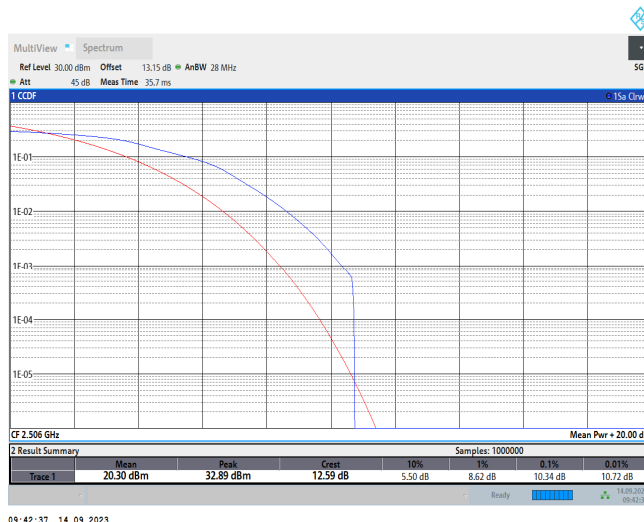
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Band41-20MHz-QPSK-41490-100RB#0



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



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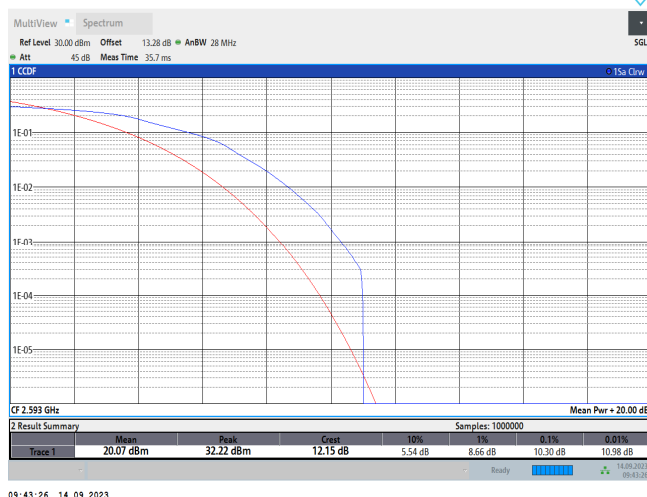
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Band41-20MHz-16QAM-40620-100RB#0



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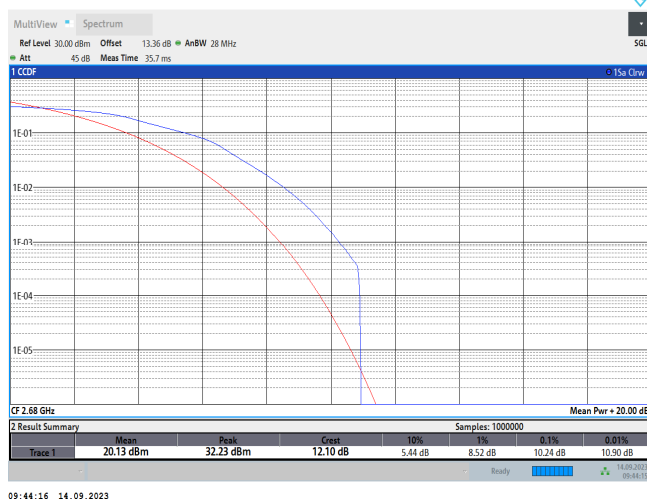
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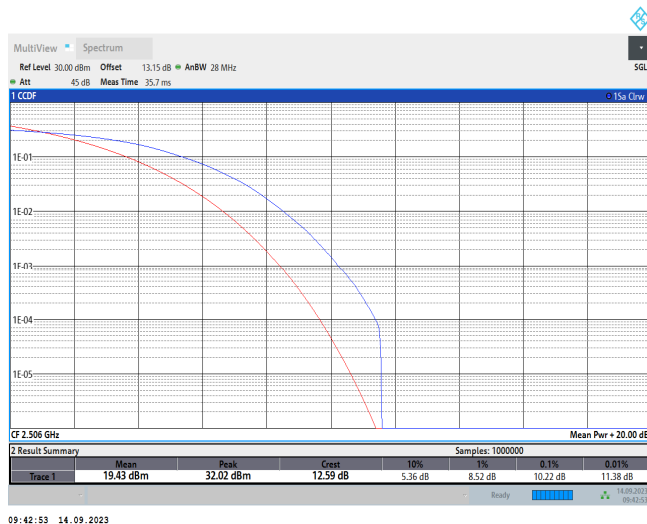
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Band41-20MHz-16QAM-41490-100RB#0



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



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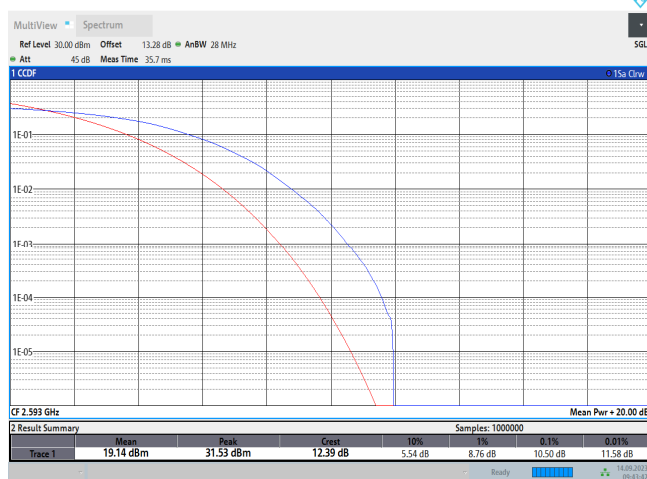


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Band41-20MHz-64QAM-40620-100RB#0



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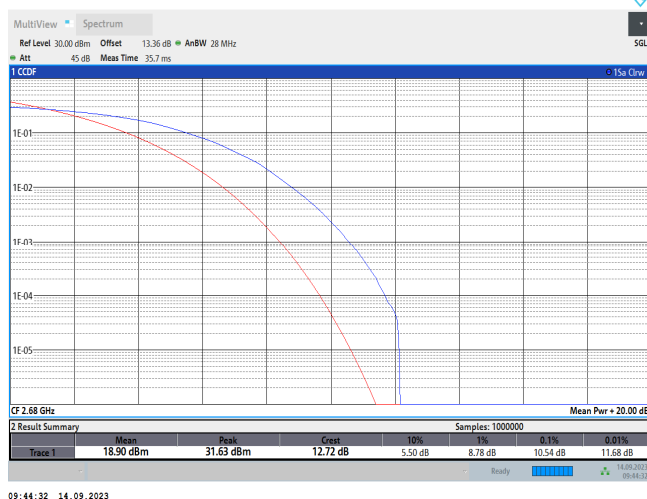
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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.477	4.85	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.478	4.85	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.479	4.84	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.465	4.83	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.465	4.85	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.467	4.85	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.477	4.84	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.483	4.83	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.478	4.83	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.928	9.80	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.929	9.84	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.93	9.80	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.927	9.80	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.93	9.82	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.931	9.84	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.945	10.02	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.948	10.04	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.949	9.88	PASS
Band41	15MHz	QPSK	39275	75RB#0	13.518	15.69	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.534	16.05	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.536	15.96	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.537	15.87	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.496	15.54	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.504	15.72	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.496	15.60	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.466	15.57	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.476	15.84	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.46	14.97	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.972	20.28	PASS



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Band41	20MHz	QPSK	40620	100RB#0	17.956	19.76	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.972	20.72	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.928	20.36	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.912	20.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.932	20.88	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.918	19.44	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.907	19.44	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.927	19.44	PASS



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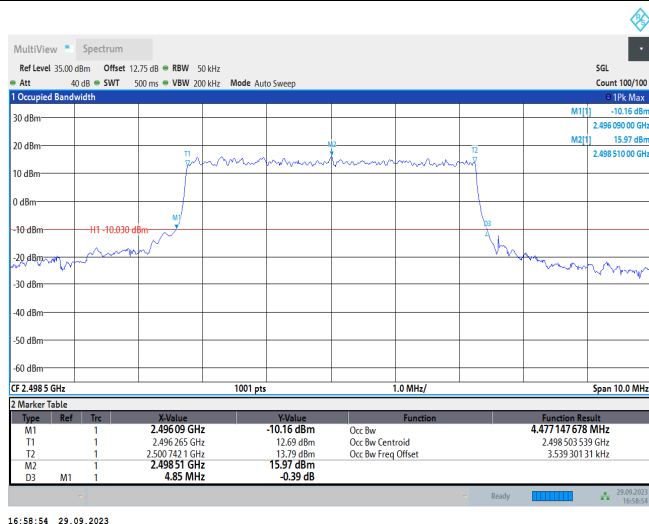
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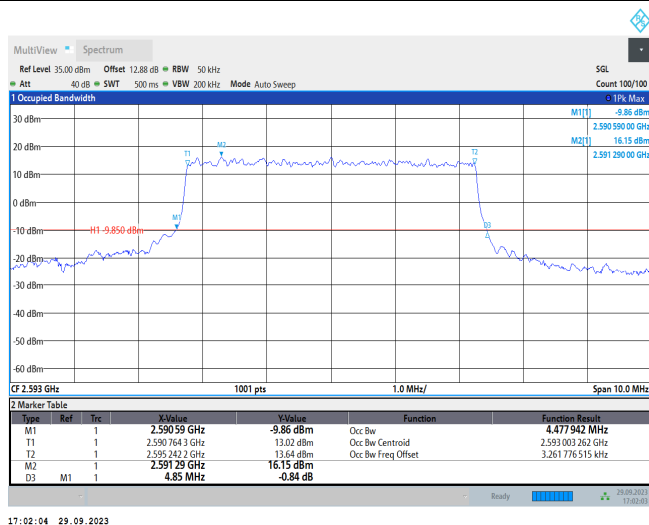
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Test Graphs

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



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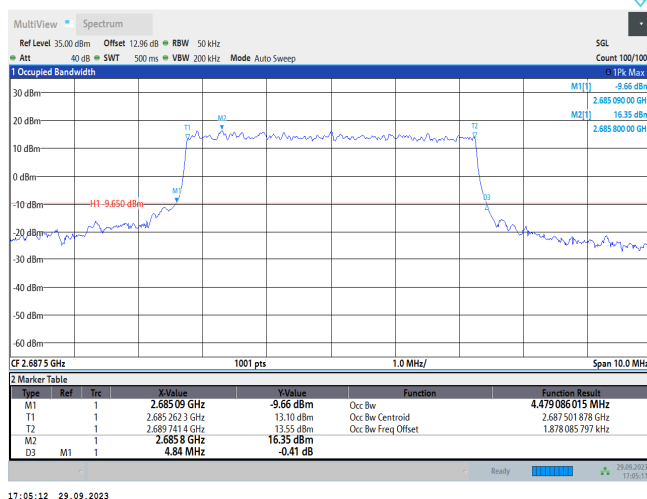


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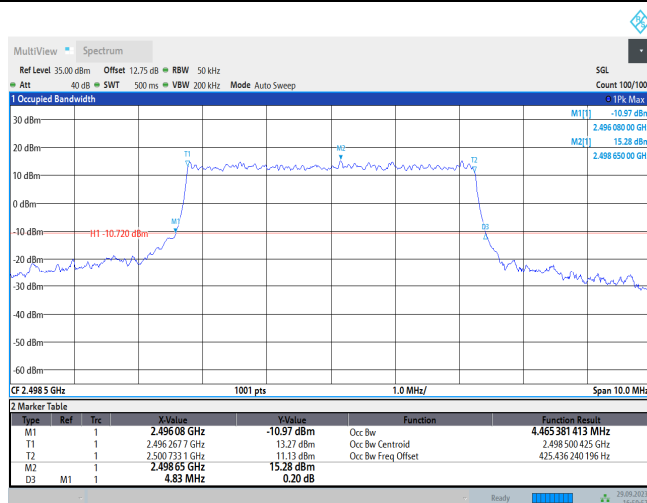
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Band41-5MHz-16QAM-39675-25RB#0



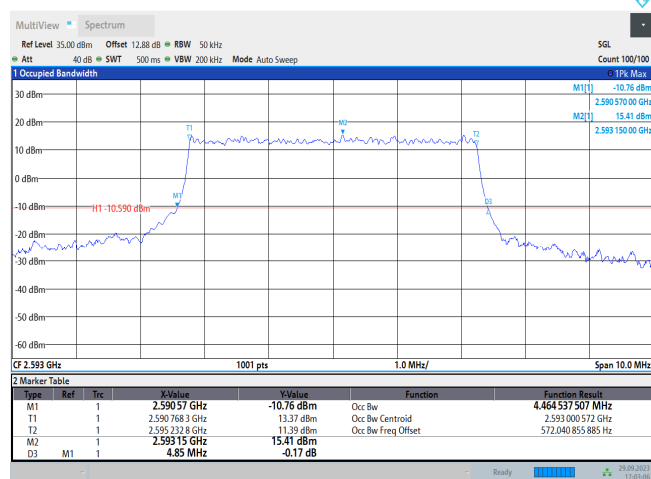
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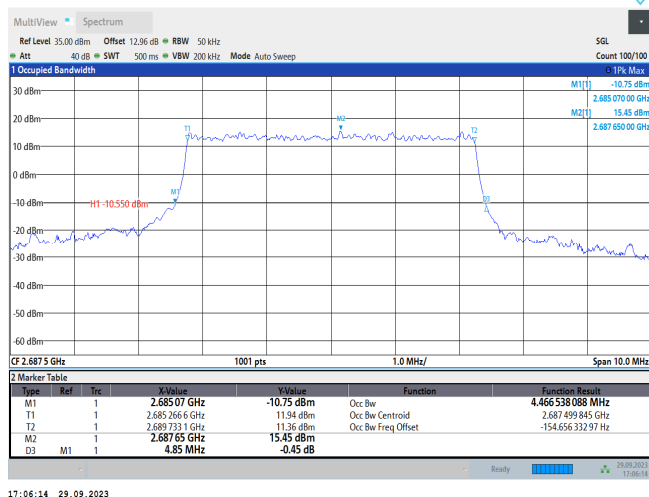


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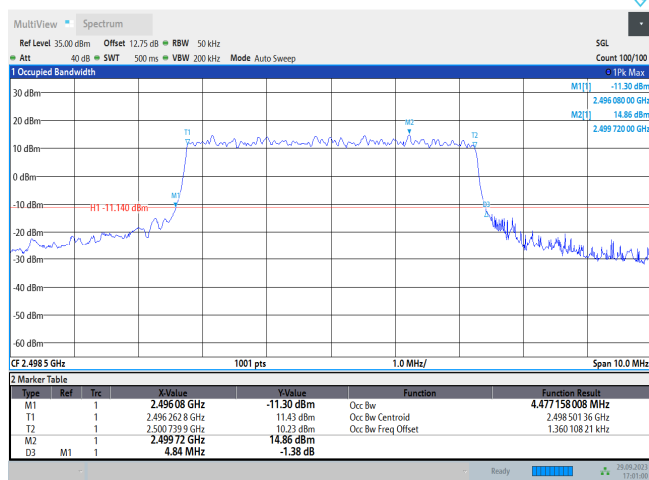
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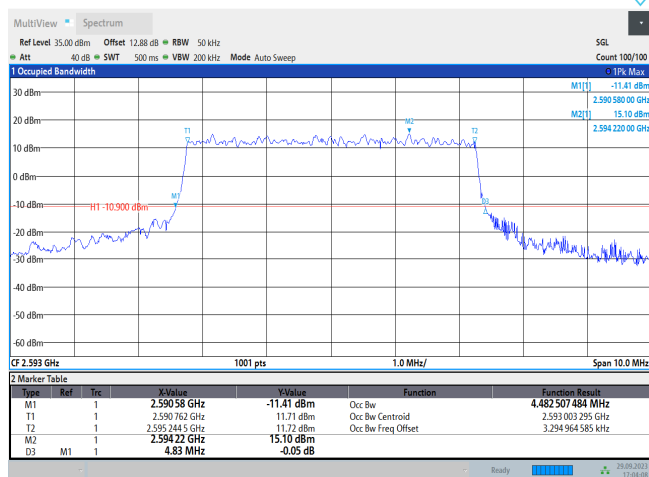
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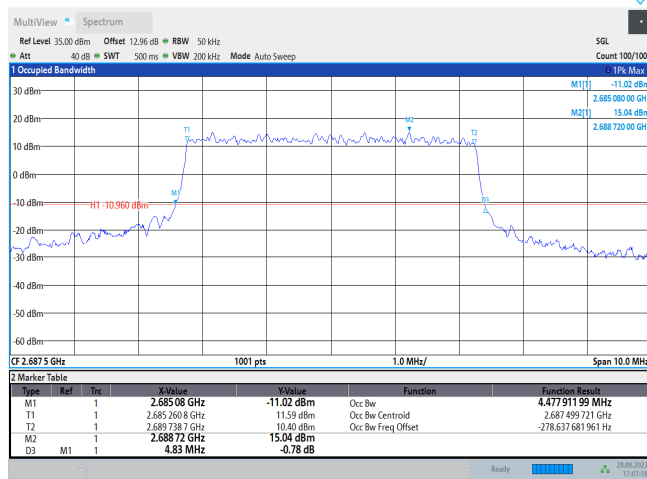
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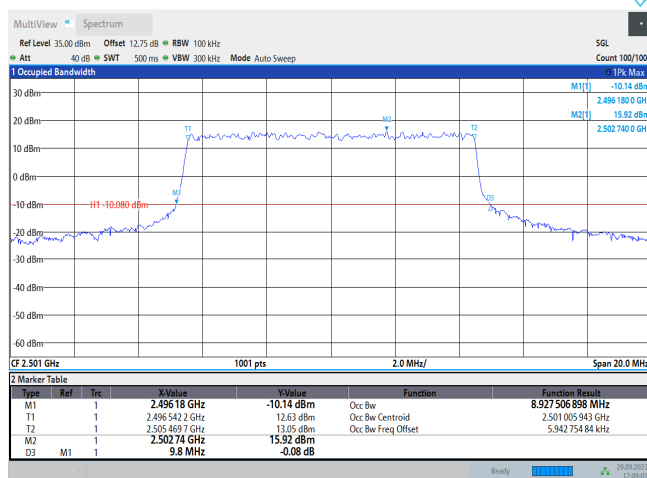
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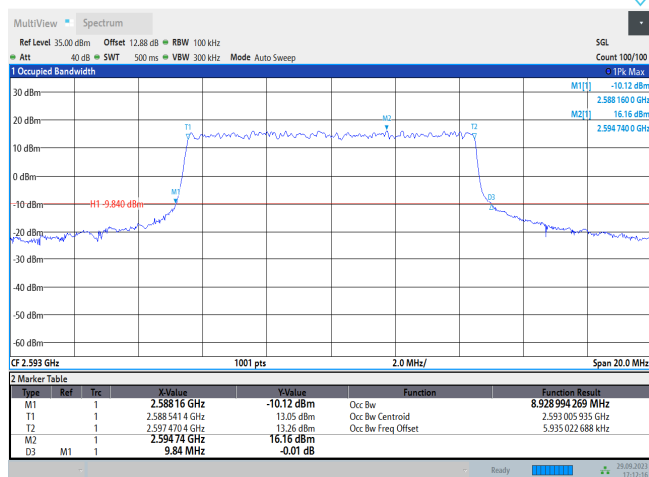
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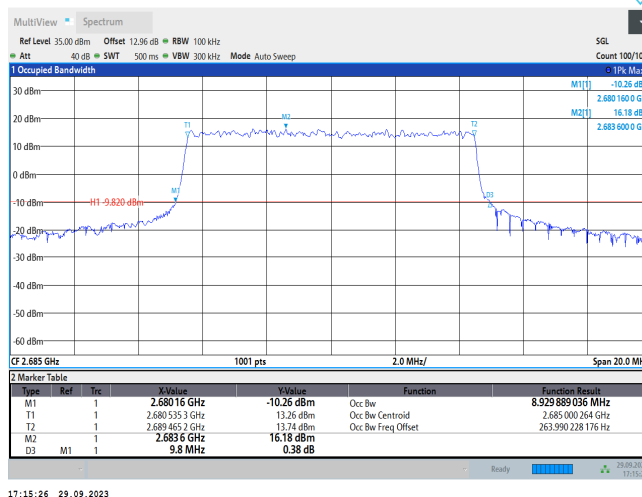


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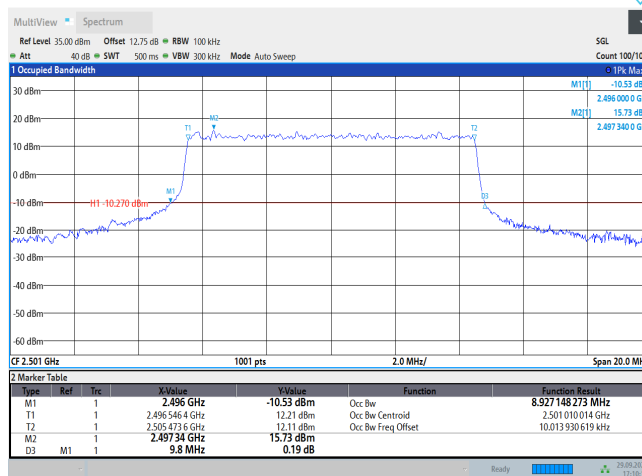
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Band41-10MHz-QPSK-41540-50RB#0



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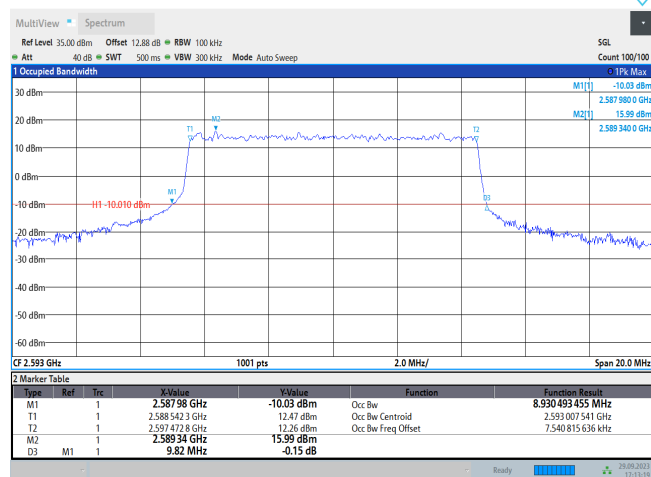
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Report No.: XEWM2309000451RG01

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

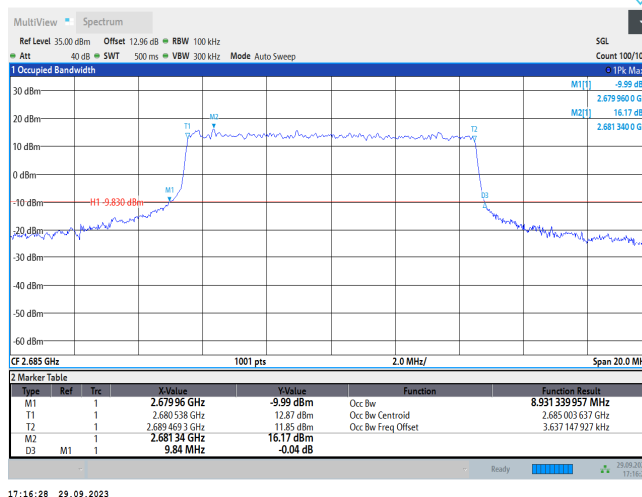


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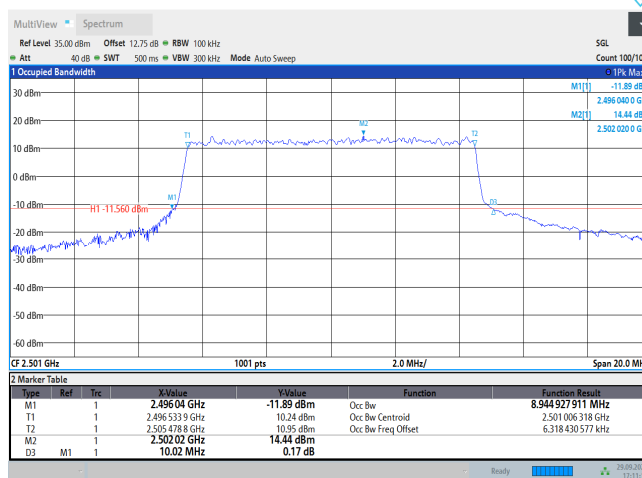
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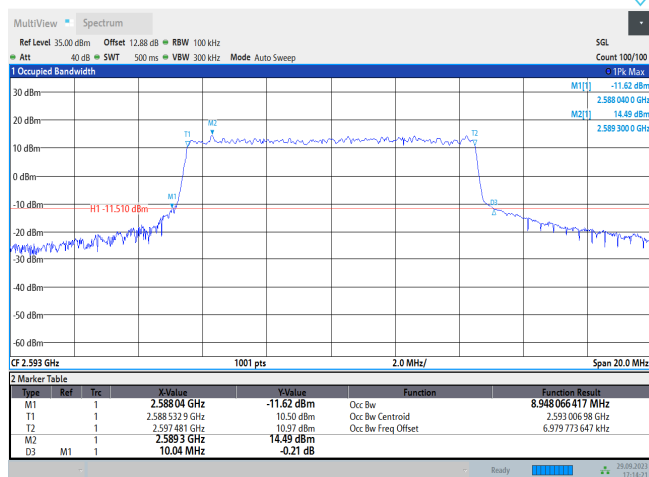
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Band41-10MHz-64QAM-40620-50RB#0



17:14:22 29.09.2023



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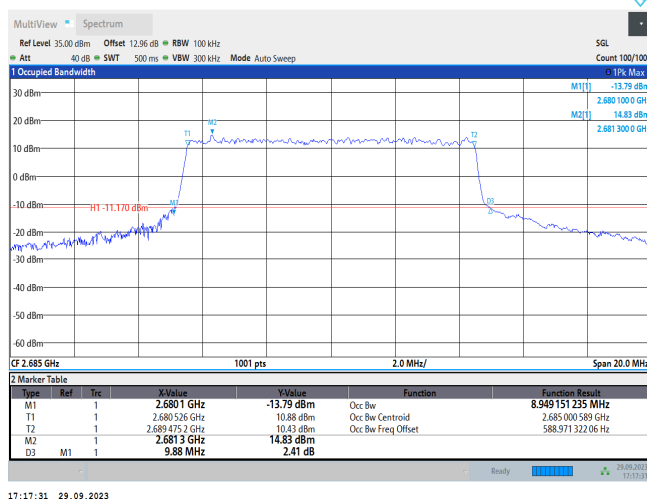
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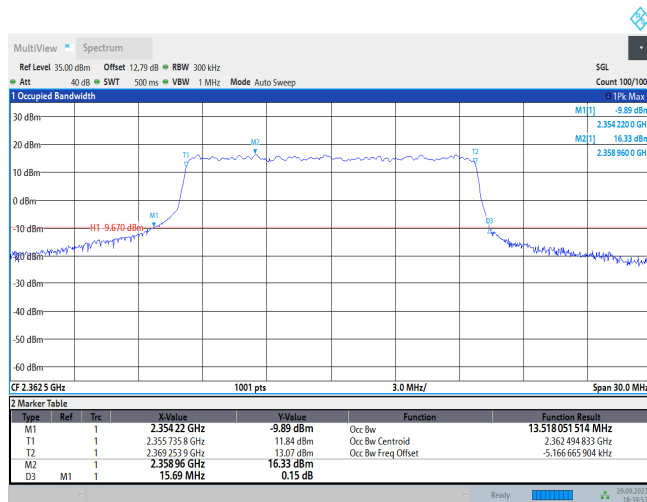
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Band41-10MHz-64QAM-41540-50RB#0



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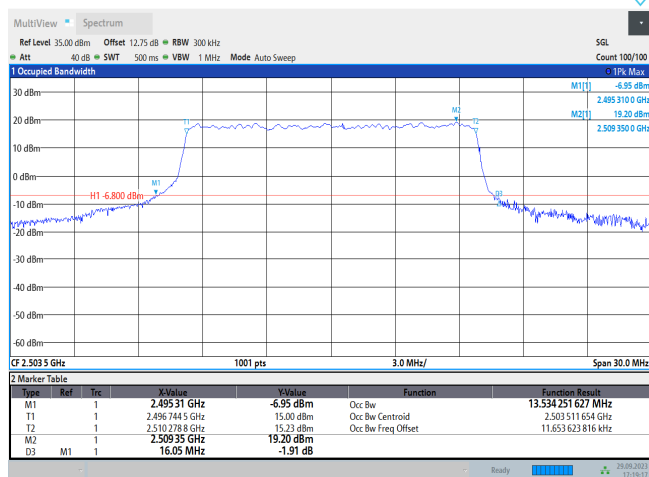
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Band41-15MHz-QPSK-39725-75RB#0

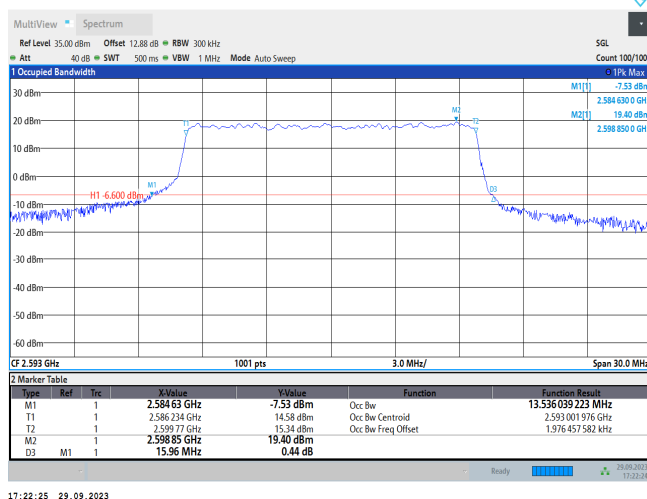


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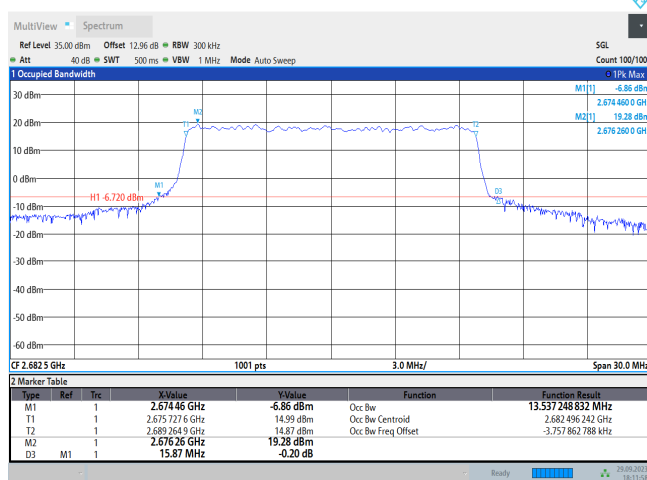
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Band41-15MHz-QPSK-40620-75RB#0



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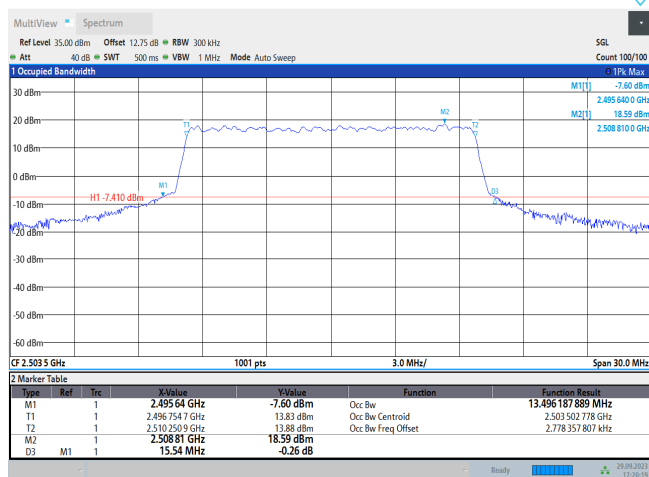
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Band41-15MHz-16QAM-39725-75RB#0



17:20:20 29.09.2023



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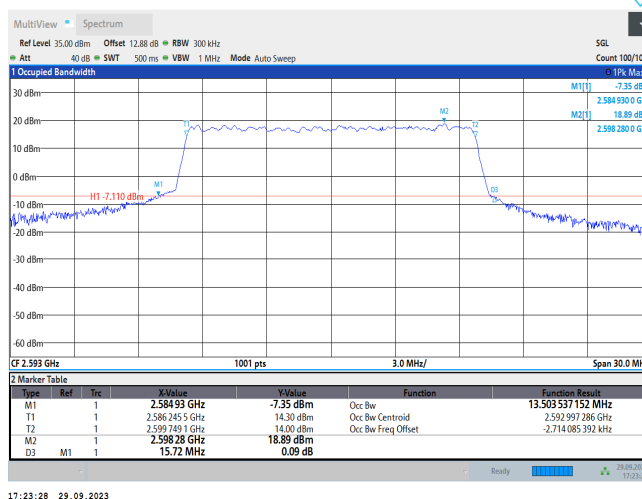
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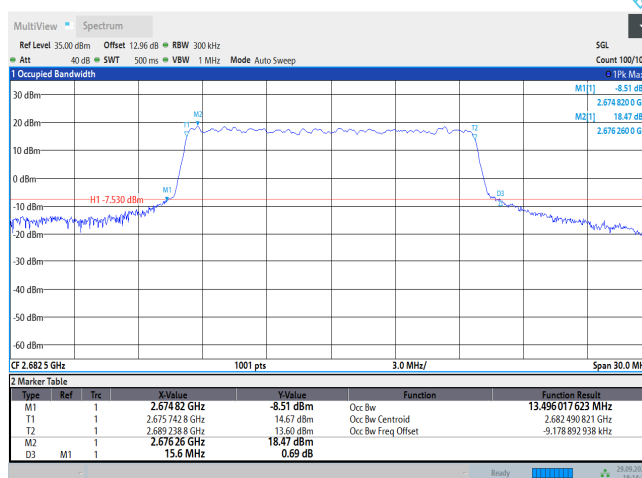
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Band41-15MHz-16QAM-40620-75RB#0



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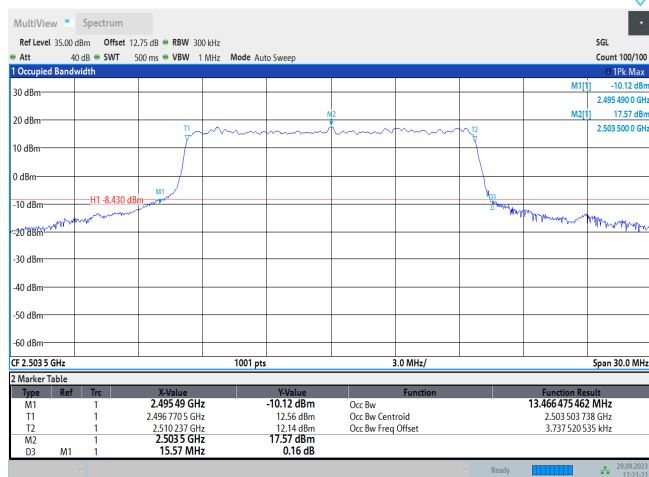
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Band41-15MHz-64QAM-39725-75RB#0

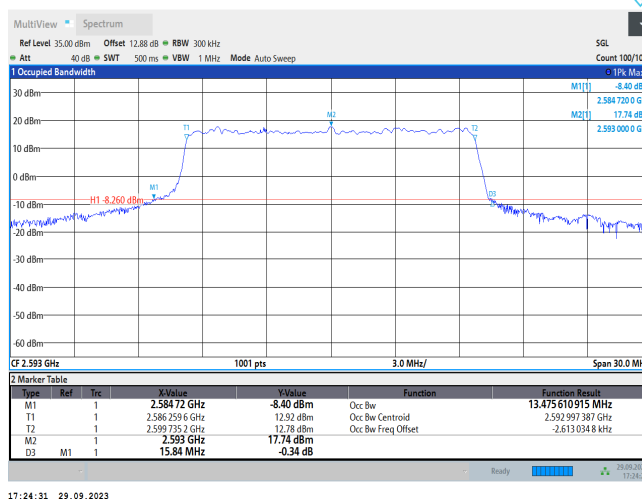


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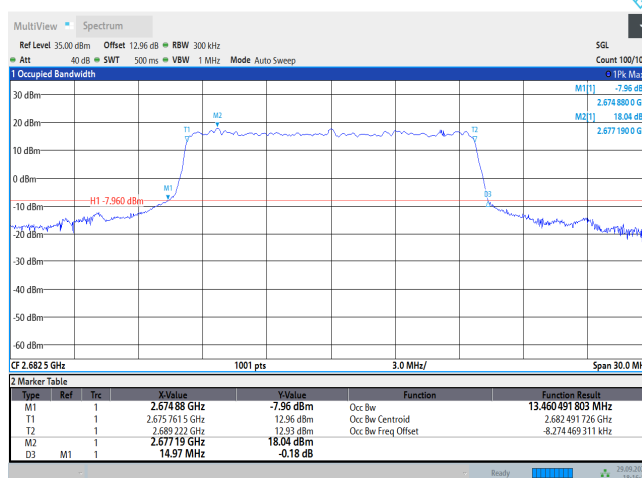
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Band41-15MHz-64QAM-40620-75RB#0



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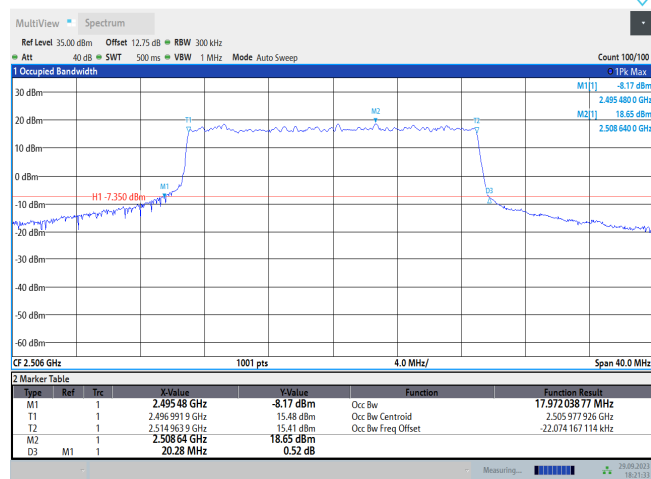
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Band41-20MHz-QPSK-39750-100RB#0

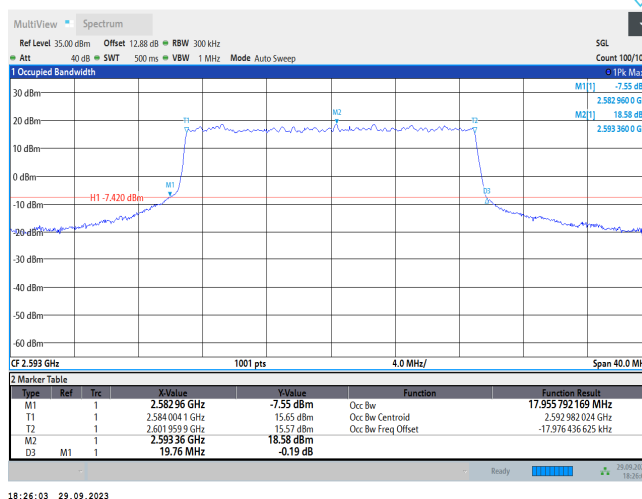


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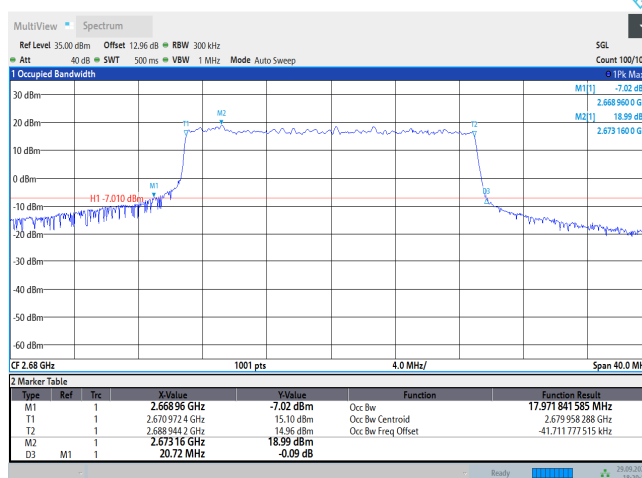
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Band41-20MHz-QPSK-40620-100RB#0



18:26:03 29.09.2023

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



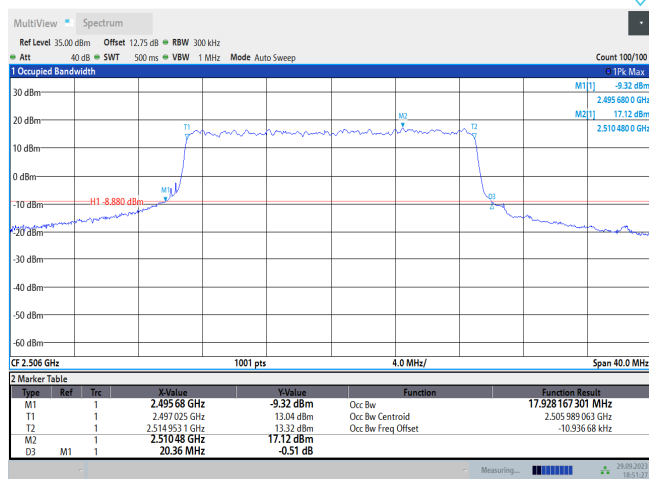
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Band41-20MHz-16QAM-39750-100RB#0



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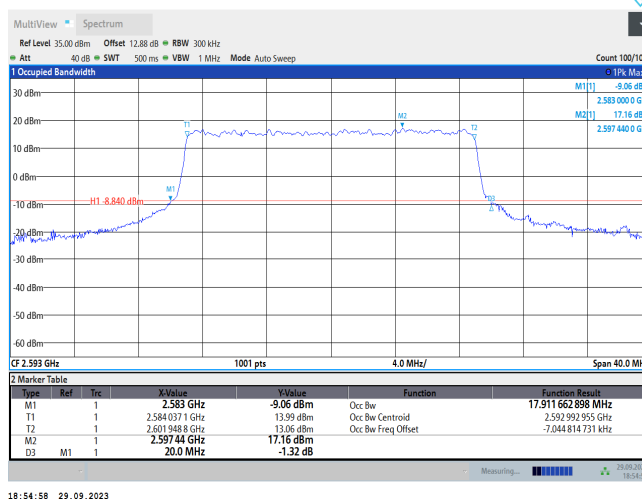
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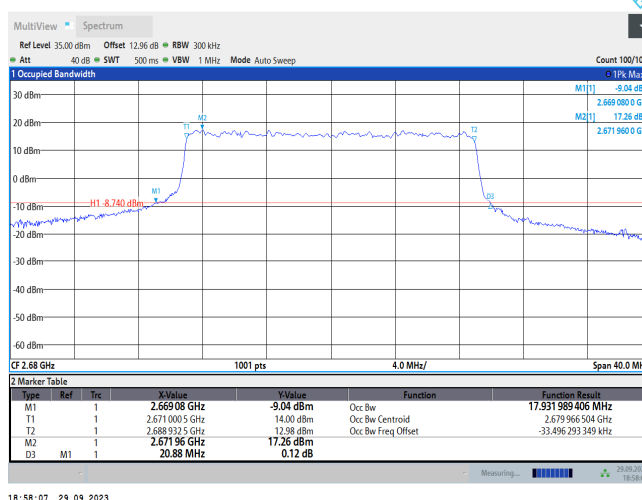
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Band41-20MHz-16QAM-40620-100RB#0



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

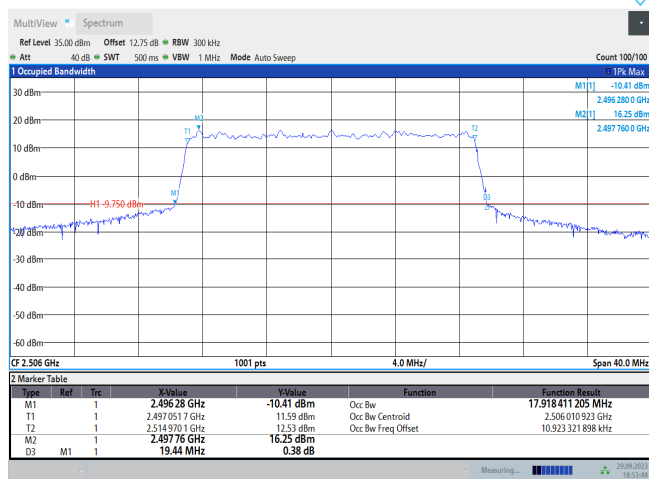


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Band41-20MHz-64QAM-39750-100RB#0

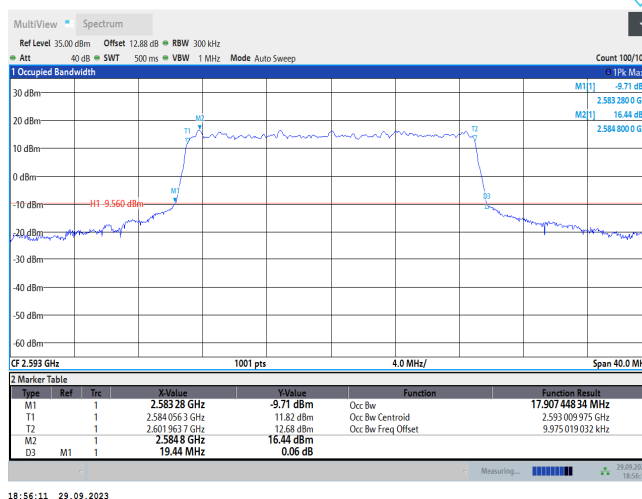


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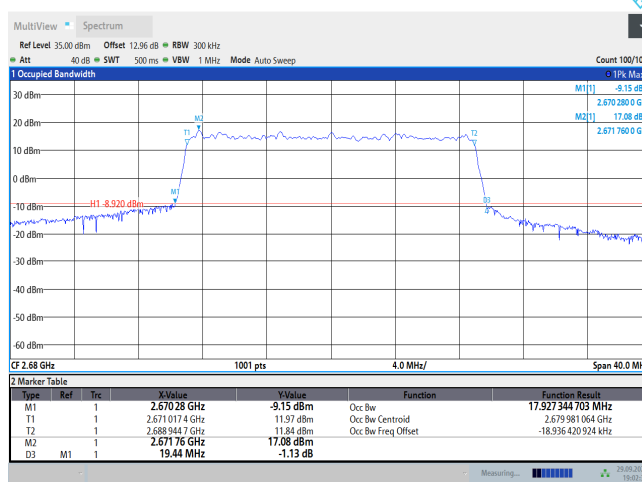
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Band41-20MHz-64QAM-40620-100RB#0



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



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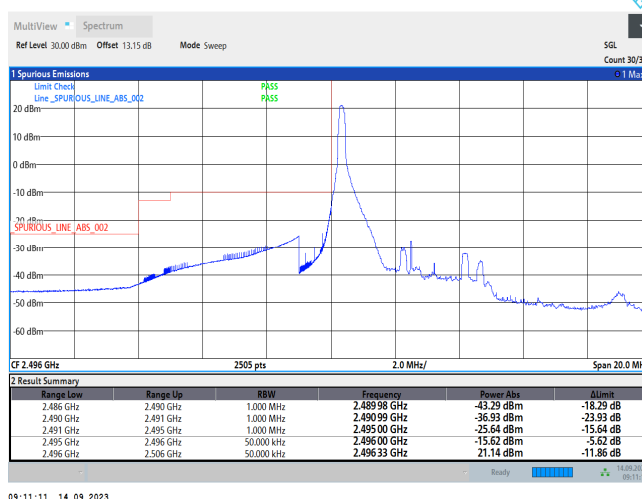
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Band Edge

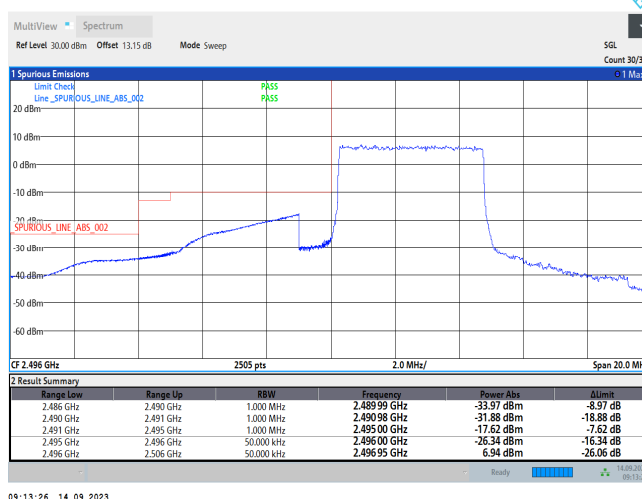
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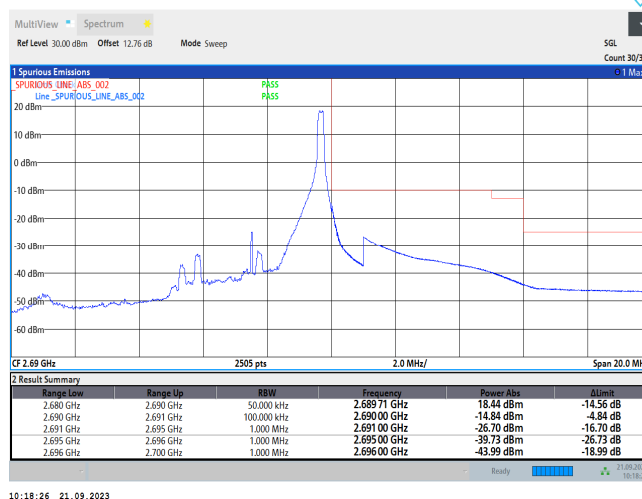
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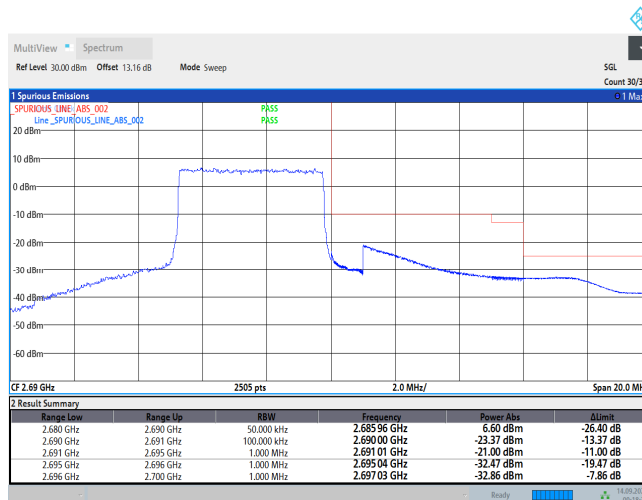
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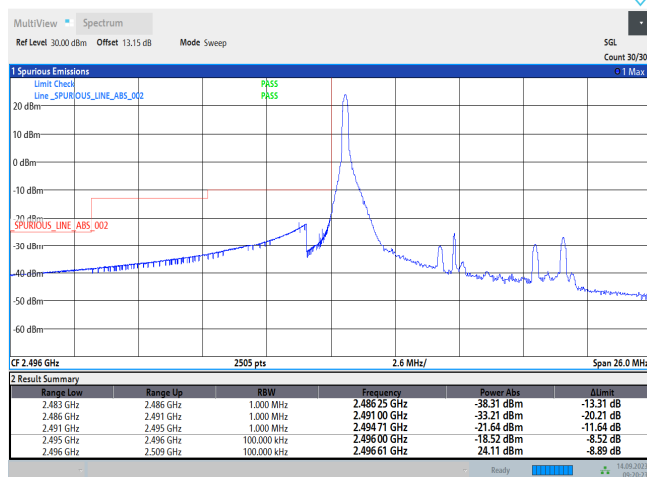
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Band41-10MHz-QPSK-39700-1RB#0



09:20:24 14.09.2023



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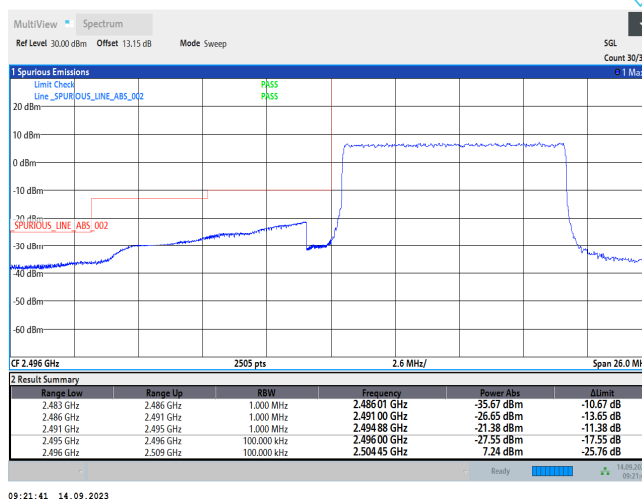
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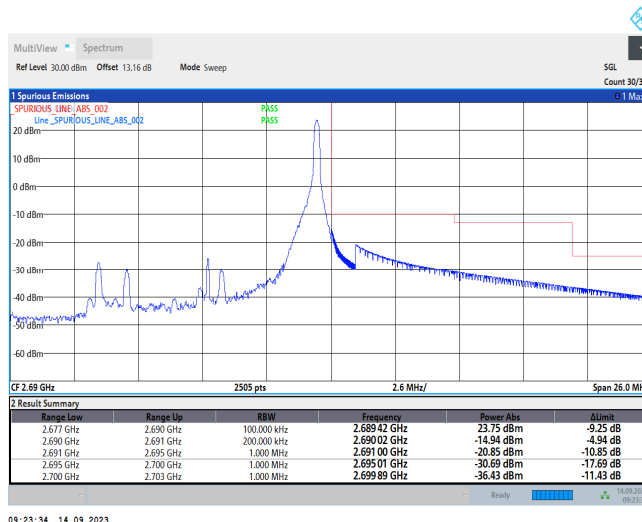
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Band41-10MHz-QPSK-39700-50RB#0



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

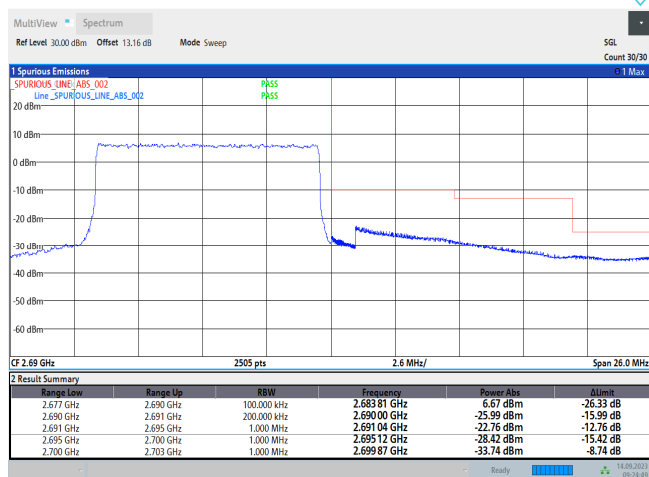


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Band41-10MHz-QPSK-41540-50RB#0

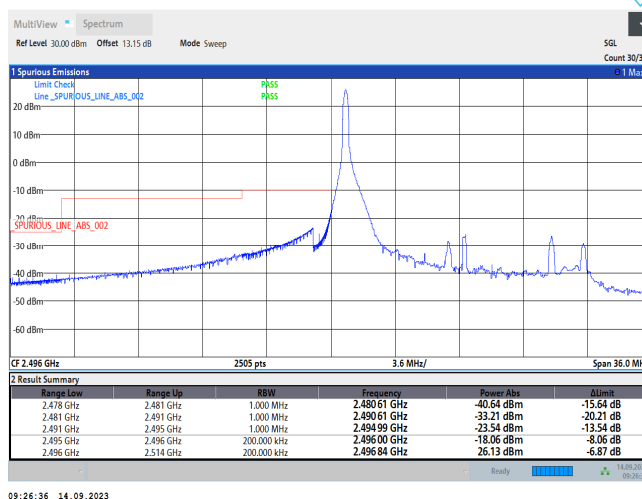


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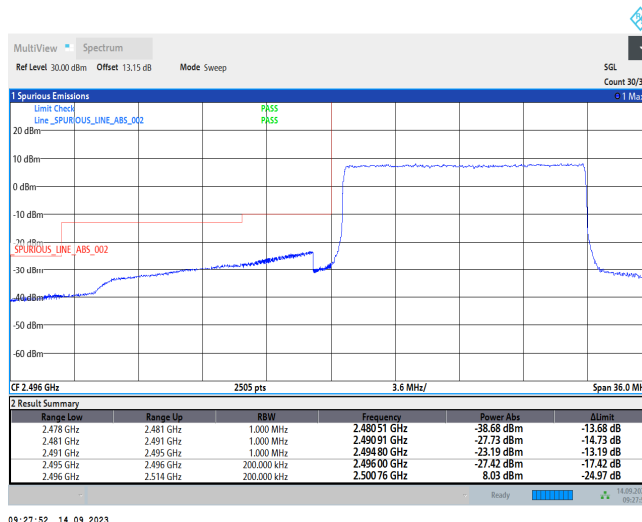
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Band41-15MHz-QPSK-39725-1RB#0



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

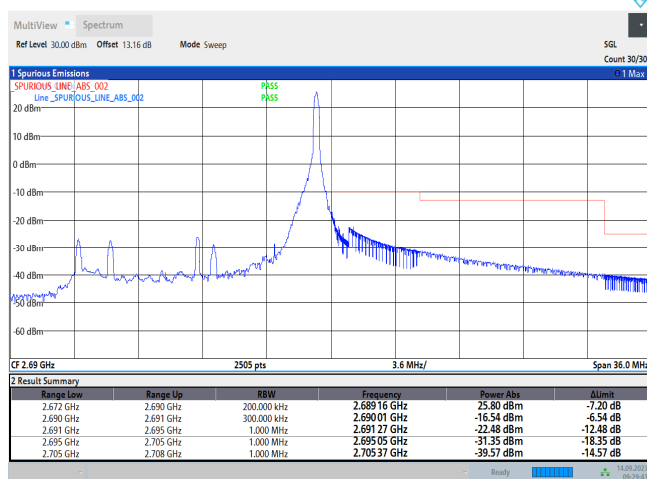


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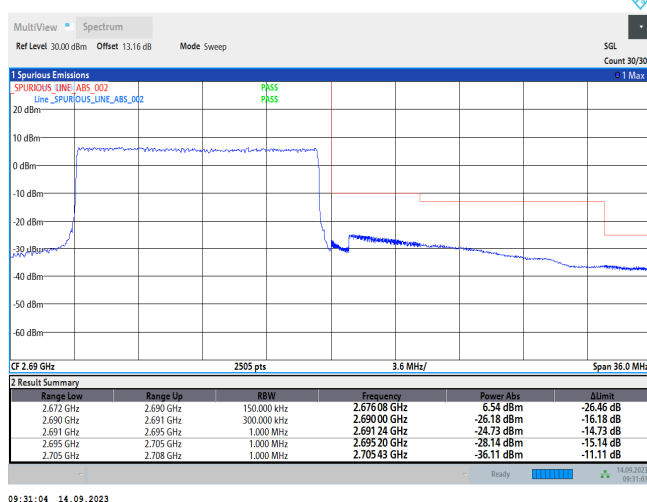


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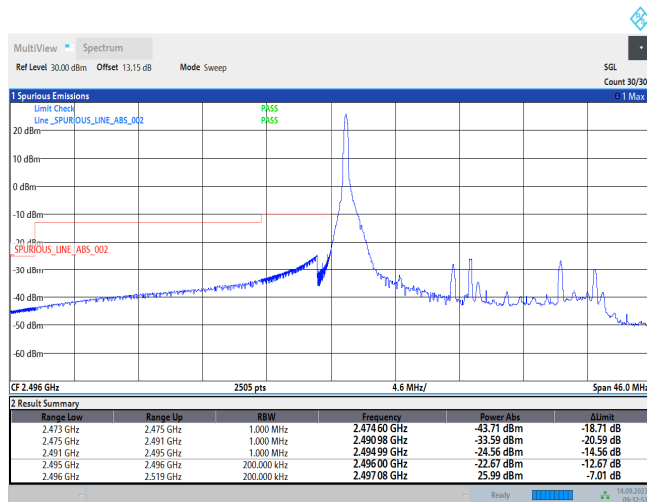
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Band41-15MHz-QPSK-41515-75RB#0



09:31:04 14.09.2023

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



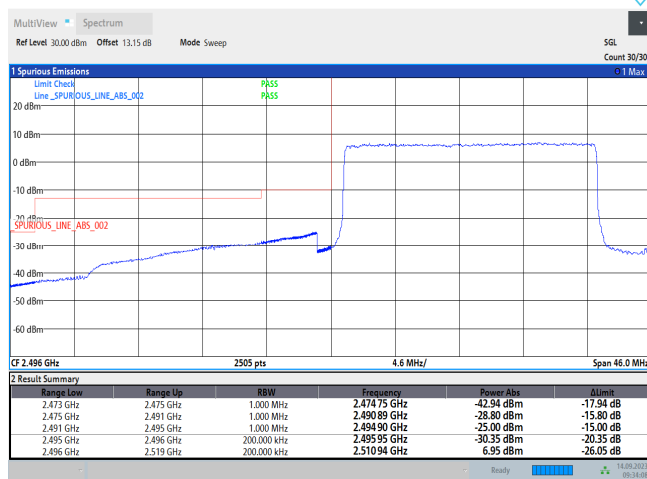
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Band41-20MHz-QPSK-39750-100RB#0

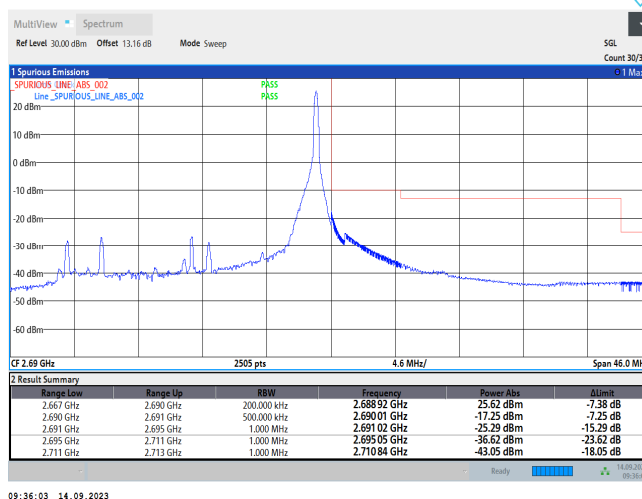


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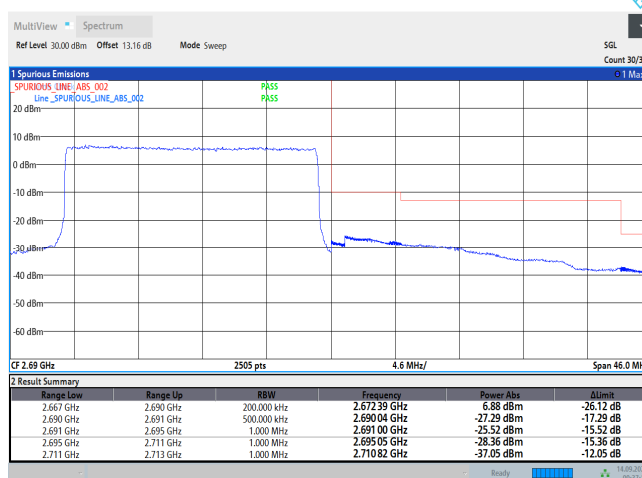
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09:36:03 14.09.2023

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



09:37:17 14.09.2023



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Report No.: XEWM2309000451RG01

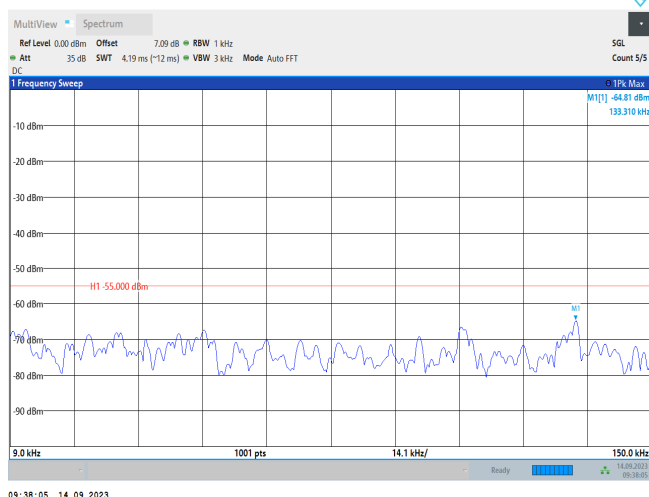
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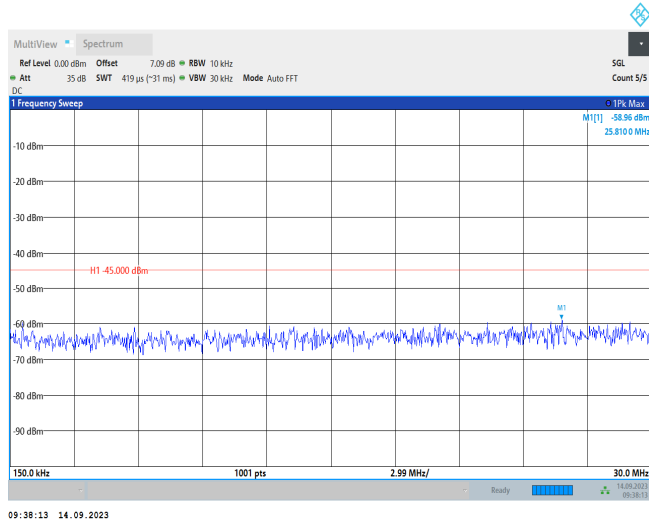
Conducted Spurious Emission

Test Graphs

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



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



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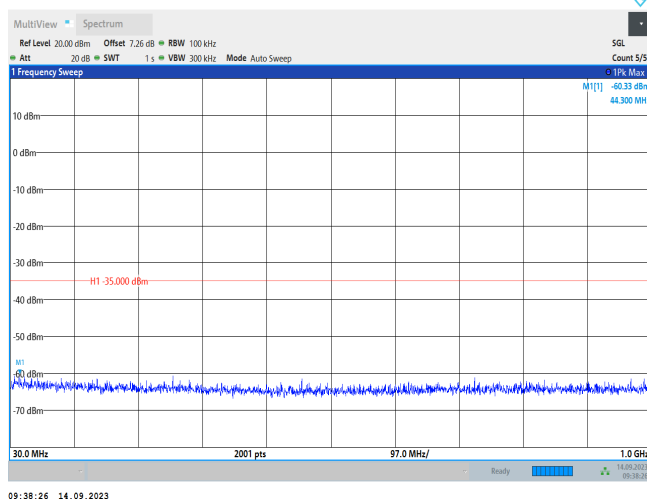
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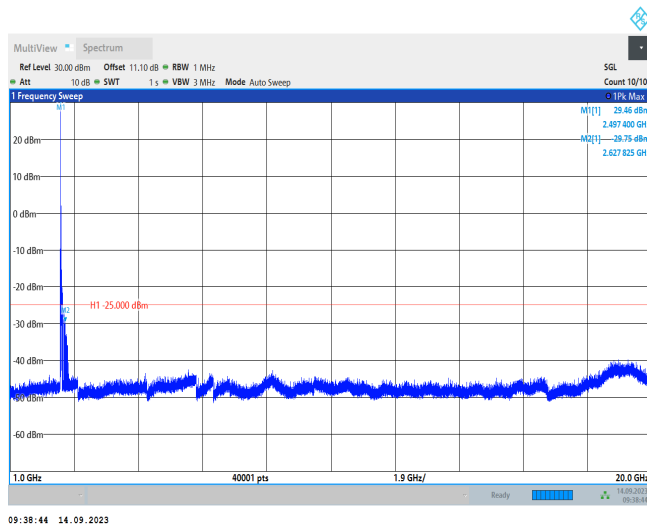
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



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

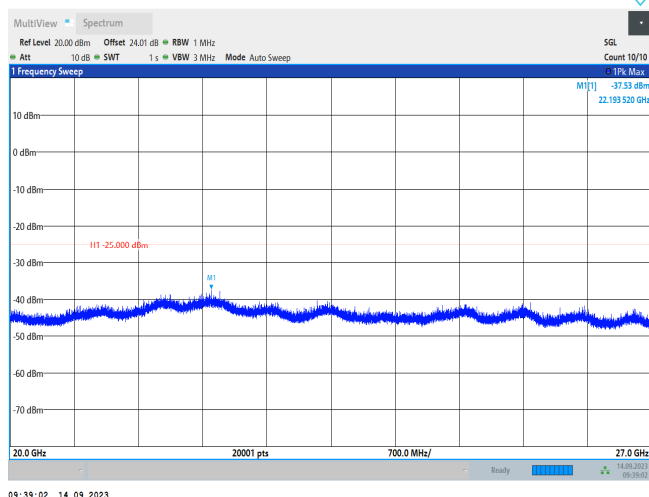


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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



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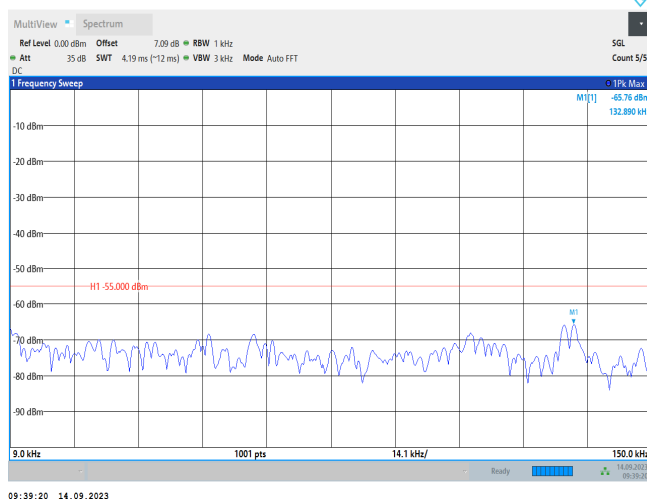
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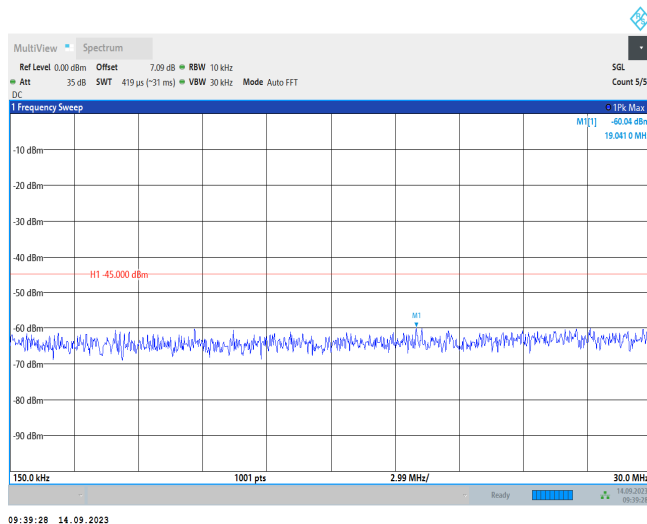
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Band41-20MHz-QPSK-40620-1RB#0-Range1:0.009~0.15MHz



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



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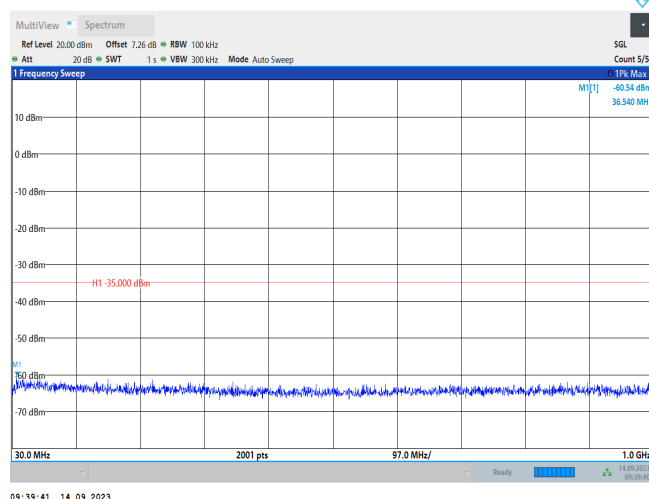
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Band41-20MHz-QPSK-40620-1RB#0-Range3:30~1000MHz



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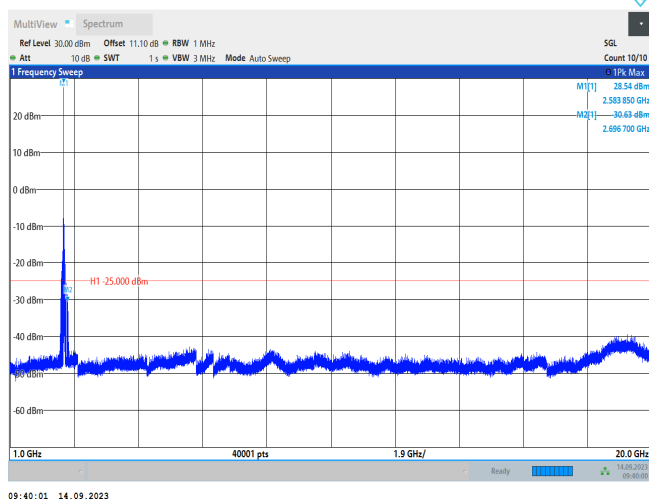
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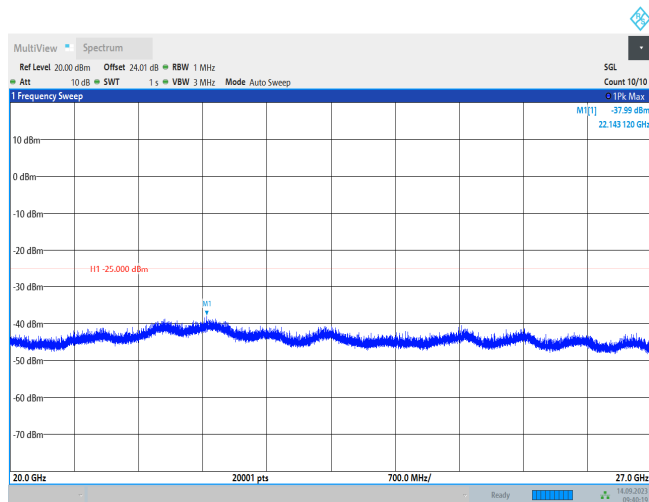
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



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



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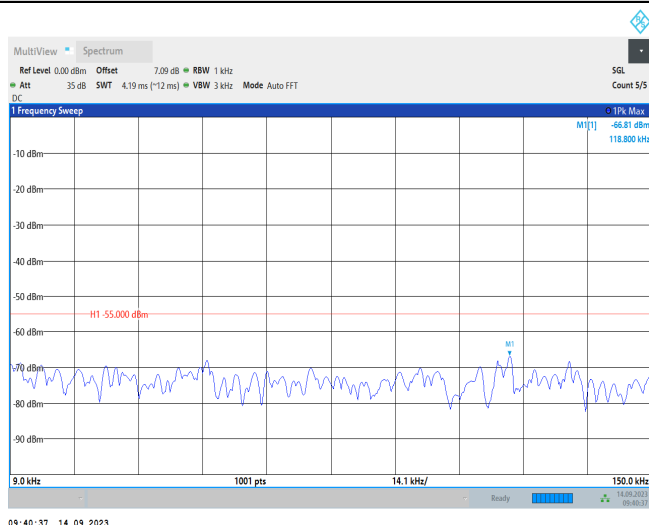


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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



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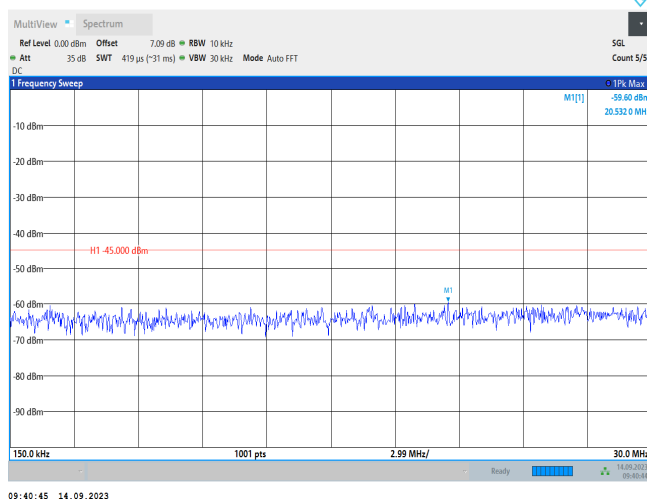
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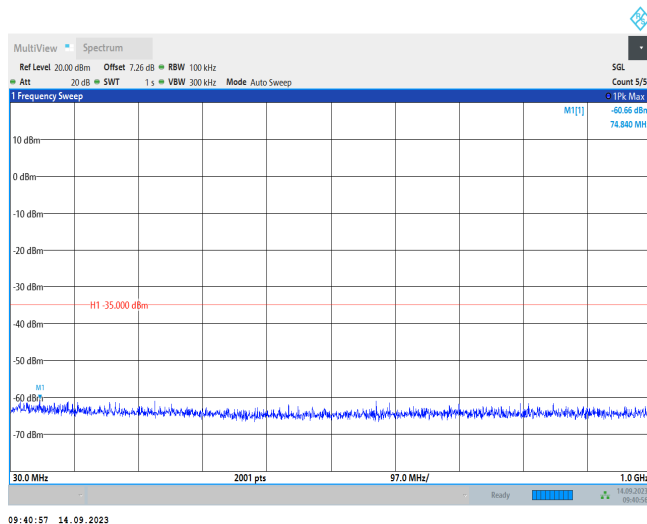
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Band41-20MHz-QPSK-41490-1RB#0-Range2:0.15~30MHz



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



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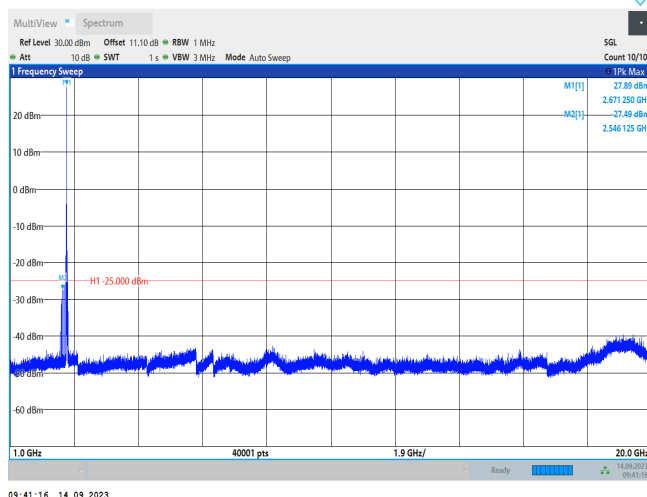
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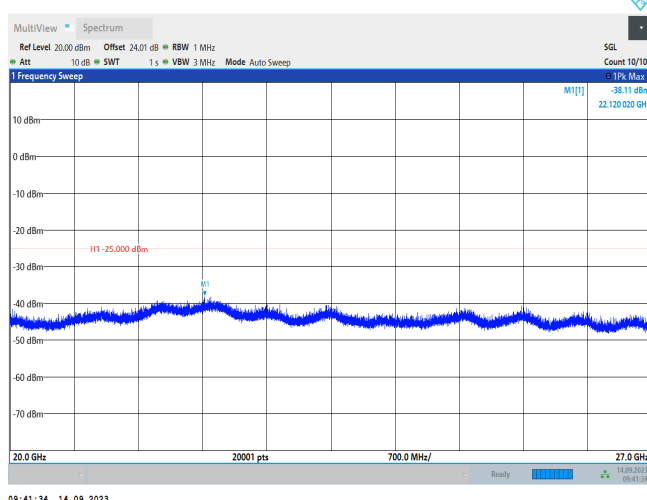
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Band41-20MHz-QPSK-41490-1RB#0-Range4:1000~20000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE_41 ANT 3
Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3937	47.33	-44.19	29.85	-62.27	-25.00	37.27	Horizontal
2	5573	45.25	-41.55	32.38	-59.18	-25.00	34.18	Horizontal
3	7427	43.87	-38.28	36.75	-52.92	-25.00	27.92	Horizontal
4	9914.5	41.52	-35.34	38.61	-50.47	-25.00	25.47	Horizontal
5	13586.5	42.04	-37.86	40.07	-51.01	-25.00	26.01	Horizontal
6	16394	40.68	-34.85	38.78	-50.65	-25.00	25.65	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3918	47.41	-44.19	29.77	-62.27	-25.00	37.27	Vertical
2	4869	46.33	-42.90	30.71	-61.12	-25.00	36.12	Vertical
3	6515	44.19	-40.47	34.36	-57.18	-25.00	32.18	Vertical
4	8881	42.34	-36.21	36.74	-52.39	-25.00	27.39	Vertical
5	11098	42.52	-37.58	40.20	-50.12	-25.00	25.12	Vertical
6	17965.5	40.60	-43.31	47.58	-50.39	-25.00	25.39	Vertical



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Test Band = LTE_41 ANT 3
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3665.5	48.20	-44.45	29.30	-62.21	-25.00	37.21	Horizontal
2	6049	45.24	-40.90	33.49	-57.43	-25.00	32.43	Horizontal
3	8461	42.38	-36.67	36.42	-53.13	-25.00	28.13	Horizontal
4	11094.5	42.18	-37.56	40.19	-50.45	-25.00	25.45	Horizontal
5	13644.5	41.75	-37.92	40.14	-51.29	-25.00	26.29	Horizontal
6	16394.5	40.90	-34.85	38.78	-50.43	-25.00	25.43	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4250	46.81	-43.49	29.80	-62.14	-25.00	37.14	Vertical
2	5649	45.26	-41.29	32.50	-58.79	-25.00	33.79	Vertical
3	7480.5	43.45	-38.29	36.86	-53.24	-25.00	28.24	Vertical
4	9917	41.71	-35.41	38.62	-50.34	-25.00	25.34	Vertical
5	13649.5	42.11	-37.92	40.15	-50.92	-25.00	25.92	Vertical
6	17991.5	39.67	-43.11	48.05	-50.65	-25.00	25.65	Vertical



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Test Band = LTE_41 ANT 3

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3684.5	47.19	-44.49	29.30	-63.26	-25.00	38.26	Horizontal
2	5156	45.35	-42.54	31.81	-60.64	-25.00	35.64	Horizontal
3	7916.5	43.32	-37.44	36.47	-52.91	-25.00	27.91	Horizontal
4	9883.5	41.20	-35.09	38.47	-50.68	-25.00	25.68	Horizontal
5	13642	41.93	-37.91	40.14	-51.10	-25.00	26.10	Horizontal
6	16398	40.33	-34.83	38.79	-50.97	-25.00	25.97	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3731	47.41	-44.64	29.49	-63.00	-25.00	38.00	Vertical
2	5630	45.00	-41.35	32.54	-59.07	-25.00	34.07	Vertical
3	7427	43.25	-38.28	36.75	-53.54	-25.00	28.54	Vertical
4	9880.5	41.62	-35.11	38.44	-50.31	-25.00	25.31	Vertical
5	11830.5	42.69	-39.11	39.83	-51.85	-25.00	26.85	Vertical
6	16397	40.67	-34.84	38.79	-50.64	-25.00	25.64	Vertical



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Test Band = LTE_41 ANT 4
Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2998	37.47	-17.44	28.59	-46.64	-25.00	21.64	Horizontal
2	3931	46.60	-44.19	29.82	-63.03	-25.00	38.03	Horizontal
3	5745.5	45.29	-41.27	32.50	-58.74	-25.00	33.74	Horizontal
4	7417.5	43.78	-38.28	36.74	-53.02	-25.00	28.02	Horizontal
5	11099	42.30	-37.58	40.20	-50.34	-25.00	25.34	Horizontal
6	17996	39.69	-43.07	48.13	-50.51	-25.00	25.51	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2992	37.42	-17.42	28.55	-46.71	-25.00	21.71	Vertical
2	3950	46.70	-44.19	29.90	-62.85	-25.00	37.85	Vertical
3	5677.5	45.34	-41.21	32.50	-58.63	-25.00	33.63	Vertical
4	7420	43.21	-38.28	36.74	-53.59	-25.00	28.59	Vertical
5	11101	42.60	-37.61	40.20	-50.07	-25.00	25.07	Vertical
6	17990	40.37	-43.12	48.02	-49.99	-25.00	24.99	Vertical



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Test Band = LTE_41 ANT 4
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2987	37.53	-17.38	28.52	-46.59	-25.00	21.59	Horizontal
2	4431	46.33	-43.27	30.10	-62.10	-25.00	37.10	Horizontal
3	7390	43.72	-38.34	36.66	-53.22	-25.00	28.22	Horizontal
4	9915.5	41.68	-35.37	38.62	-50.33	-25.00	25.33	Horizontal
5	13645	41.94	-37.92	40.15	-51.09	-25.00	26.09	Horizontal
6	18000	39.75	-43.04	48.20	-50.35	-25.00	25.35	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2997	37.70	-17.43	28.58	-46.41	-25.00	21.41	Vertical
2	3991.5	46.47	-44.17	29.82	-63.14	-25.00	38.14	Vertical
3	7396.5	43.28	-38.30	36.69	-53.59	-25.00	28.59	Vertical
4	11099.5	42.80	-37.59	40.20	-49.85	-25.00	24.85	Vertical
5	13575	41.95	-37.88	40.05	-51.14	-25.00	26.14	Vertical
6	16398	41.35	-34.83	38.79	-49.95	-25.00	24.95	Vertical



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Test Band = LTE_41 ANT 4
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2997	37.41	-17.43	28.58	-46.70	-25.00	21.70	Horizontal
2	3932	47.28	-44.19	29.83	-62.34	-25.00	37.34	Horizontal
3	5648	45.56	-41.30	32.50	-58.50	-25.00	33.50	Horizontal
4	7429.5	43.80	-38.28	36.76	-52.98	-25.00	27.98	Horizontal
5	11098.5	43.03	-37.58	40.20	-49.61	-25.00	24.61	Horizontal
6	18000	39.79	-43.04	48.20	-50.31	-25.00	25.31	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3000	37.32	-17.44	28.60	-46.78	-25.00	21.78	Vertical
2	4190.5	46.90	-43.62	29.56	-62.42	-25.00	37.42	Vertical
3	6051.5	44.42	-40.88	33.50	-58.22	-25.00	33.22	Vertical
4	8395	42.62	-36.99	36.48	-53.15	-25.00	28.15	Vertical
5	11119.5	42.72	-37.91	40.20	-50.25	-25.00	25.25	Vertical
6	16362.5	41.33	-35.03	38.69	-50.27	-25.00	25.27	Vertical



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Test Band = LTE_41 ANT 5

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4398	47.45	-43.40	30.09	-61.12	-25.00	36.12	Horizontal
2	5962	45.41	-41.20	32.92	-58.13	-25.00	33.13	Horizontal
3	7429.5	44.31	-38.28	36.76	-52.47	-25.00	27.47	Horizontal
4	9887	41.99	-35.06	38.50	-49.83	-25.00	24.83	Horizontal
5	13562	43.26	-37.90	40.02	-49.88	-25.00	24.88	Horizontal
6	17990.5	41.27	-43.12	48.03	-49.08	-25.00	24.08	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3909	47.50	-44.20	29.74	-62.22	-25.00	37.22	Vertical
2	5485	45.45	-41.87	32.34	-59.34	-25.00	34.34	Vertical
3	7500	43.95	-38.29	36.90	-52.70	-25.00	27.70	Vertical
4	9902.5	42.02	-35.03	38.60	-49.67	-25.00	24.67	Vertical
5	13560.5	43.05	-37.90	40.02	-50.09	-25.00	25.09	Vertical
6	18000	41.00	-43.04	48.20	-49.10	-25.00	24.10	Vertical



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Test Band = LTE_41 ANT 5
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3602	47.63	-44.35	28.92	-63.06	-25.00	38.06	Horizontal
2	5039	46.35	-42.64	31.51	-60.04	-25.00	35.04	Horizontal
3	7483	43.88	-38.29	36.87	-52.80	-25.00	27.80	Horizontal
4	9886	42.48	-35.07	38.49	-49.36	-25.00	24.36	Horizontal
5	13562.5	42.69	-37.90	40.03	-50.44	-25.00	25.44	Horizontal
6	17994	40.77	-43.09	48.09	-49.49	-25.00	24.49	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4013	46.75	-44.18	29.75	-62.94	-25.00	37.94	Vertical
2	5847	45.62	-41.28	32.59	-58.33	-25.00	33.33	Vertical
3	7503.5	43.78	-38.31	36.87	-52.92	-25.00	27.92	Vertical
4	10962	42.91	-37.15	40.14	-49.36	-25.00	24.36	Vertical
5	13573	43.69	-37.88	40.05	-49.40	-25.00	24.40	Vertical
6	16352.5	42.80	-35.08	38.66	-48.88	-25.00	23.88	Vertical



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Test Band = LTE_41 ANT 5
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3958	47.09	-44.18	29.88	-62.47	-25.00	37.47	Horizontal
2	5494.5	45.36	-41.86	32.38	-59.38	-25.00	34.38	Horizontal
3	7157.5	44.00	-38.85	36.43	-53.68	-25.00	28.68	Horizontal
4	9923	42.45	-35.56	38.62	-49.75	-25.00	24.75	Horizontal
5	13568.5	43.18	-37.89	40.04	-49.93	-25.00	24.93	Horizontal
6	17991	41.52	-43.11	48.04	-48.81	-25.00	23.81	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3707	47.22	-44.54	29.34	-63.24	-25.00	38.24	Vertical
2	4715.5	46.79	-42.92	30.57	-60.82	-25.00	35.82	Vertical
3	7415	44.16	-38.28	36.73	-52.65	-25.00	27.65	Vertical
4	9905.5	42.03	-35.10	38.61	-49.72	-25.00	24.72	Vertical
5	13548	42.91	-37.92	40.00	-50.27	-25.00	25.27	Vertical
6	16395	41.89	-34.85	38.79	-49.43	-25.00	24.43	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	6.20	0.002391	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-24.70	-0.009526	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	0.50	0.000193	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	-6.30	-0.002430	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	2.50	0.000964	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	6.70	0.002584	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-3.60	-0.001388	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	4.20	0.001620	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-6.30	-0.002430	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	3.30	0.001273	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-1.90	-0.000733	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-1.80	-0.000694	PASS

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