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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	5MHz	21.44	24.19	33.00	PASS
Band41	5MHz	QPSK	39675	5MHz	21.48	24.23	33.00	PASS
Band41	5MHz	QPSK	39675	5MHz	21.29	24.04	33.00	PASS
Band41	5MHz	QPSK	39675	5MHz	20.70	23.45	33.00	PASS
Band41	5MHz	QPSK	40620	5MHz	21.46	24.21	33.00	PASS
Band41	5MHz	QPSK	40620	5MHz	21.57	24.32	33.00	PASS
Band41	5MHz	QPSK	40620	5MHz	21.27	24.02	33.00	PASS
Band41	5MHz	QPSK	40620	5MHz	20.77	23.52	33.00	PASS
Band41	5MHz	QPSK	41565	5MHz	21.39	24.14	33.00	PASS
Band41	5MHz	QPSK	41565	5MHz	21.58	24.33	33.00	PASS
Band41	5MHz	QPSK	41565	5MHz	21.24	23.99	33.00	PASS
Band41	5MHz	QPSK	41565	5MHz	20.77	23.52	33.00	PASS
Band41	5MHz	16QAM	39675	5MHz	20.74	23.49	33.00	PASS
Band41	5MHz	16QAM	39675	5MHz	21.19	23.94	33.00	PASS
Band41	5MHz	16QAM	39675	5MHz	20.69	23.44	33.00	PASS
Band41	5MHz	16QAM	39675	5MHz	19.64	22.39	33.00	PASS
Band41	5MHz	16QAM	40620	5MHz	20.75	23.50	33.00	PASS
Band41	5MHz	16QAM	40620	5MHz	21.21	23.96	33.00	PASS
Band41	5MHz	16QAM	40620	5MHz	20.70	23.45	33.00	PASS
Band41	5MHz	16QAM	40620	5MHz	19.62	22.37	33.00	PASS
Band41	5MHz	16QAM	41565	5MHz	20.80	23.55	33.00	PASS
Band41	5MHz	16QAM	41565	5MHz	21.24	23.99	33.00	PASS
Band41	5MHz	16QAM	41565	5MHz	20.65	23.40	33.00	PASS
Band41	5MHz	16QAM	41565	5MHz	19.68	22.43	33.00	PASS
Band41	5MHz	64QAM	39675	5MHz	19.82	22.57	33.00	PASS
Band41	5MHz	64QAM	39675	5MHz	20.06	22.81	33.00	PASS



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Band41	5MHz	64QAM	39675	5MHz	19.61	22.36	33.00	PASS
Band41	5MHz	64QAM	39675	5MHz	18.90	21.65	33.00	PASS
Band41	5MHz	64QAM	40620	5MHz	19.80	22.55	33.00	PASS
Band41	5MHz	64QAM	40620	5MHz	20.03	22.78	33.00	PASS
Band41	5MHz	64QAM	40620	5MHz	19.71	22.46	33.00	PASS
Band41	5MHz	64QAM	40620	5MHz	18.88	21.63	33.00	PASS
Band41	5MHz	64QAM	41565	5MHz	19.79	22.54	33.00	PASS
Band41	5MHz	64QAM	41565	5MHz	20.09	22.84	33.00	PASS
Band41	5MHz	64QAM	41565	5MHz	19.66	22.41	33.00	PASS
Band41	5MHz	64QAM	41565	5MHz	18.87	21.62	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	21.43	24.18	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	21.59	24.34	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	21.25	24.00	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	20.73	23.48	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	21.49	24.24	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	21.60	24.35	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	21.30	24.05	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	20.69	23.44	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	21.49	24.24	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	21.50	24.25	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	21.31	24.06	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	20.77	23.52	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	20.77	23.52	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	21.12	23.87	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	20.66	23.41	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	19.63	22.38	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	20.74	23.49	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.15	23.90	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	20.71	23.46	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	19.61	22.36	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	20.78	23.53	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.13	23.88	33.00	PASS



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Band41	10MHz	16QAM	41540	1RB#49	20.71	23.46	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	19.67	22.42	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	19.84	22.59	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	20.08	22.83	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	19.66	22.41	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	18.90	21.65	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	19.75	22.50	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	20.01	22.76	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	19.68	22.43	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	18.86	21.61	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	19.75	22.50	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	20.02	22.77	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	19.66	22.41	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	18.88	21.63	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	21.45	24.20	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	21.51	24.26	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	21.30	24.05	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	20.67	23.42	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	21.49	24.24	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	21.54	24.29	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	21.26	24.01	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	20.71	23.46	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	21.43	24.18	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	21.51	24.26	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	21.29	24.04	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	20.74	23.49	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	20.74	23.49	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	21.22	23.97	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	20.67	23.42	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	19.65	22.40	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	20.78	23.53	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.14	23.89	33.00	PASS



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Band41	15MHz	16QAM	40620	75RB#0	19.59	22.34	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	20.79	23.54	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.16	23.91	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	20.72	23.47	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	19.63	22.38	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	19.84	22.59	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	20.08	22.83	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	19.64	22.39	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	18.89	21.64	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	19.75	22.50	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	19.97	22.72	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	19.64	22.39	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	18.94	21.69	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	19.83	22.58	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	19.99	22.74	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	19.69	22.44	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	18.88	21.63	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	21.50	24.25	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	21.49	24.24	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	21.22	23.97	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	20.78	23.53	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	21.51	24.26	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	21.59	24.34	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	21.29	24.04	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	20.66	23.41	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	21.47	24.22	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	21.56	24.31	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	21.29	24.04	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	20.73	23.48	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	20.78	23.53	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.15	23.90	33.00	PASS



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Band41	20MHz	16QAM	39750	100RB#0	19.61	22.36	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	20.81	23.56	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.19	23.94	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	20.72	23.47	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	19.59	22.34	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	20.83	23.58	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.25	24.00	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	20.70	23.45	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	19.60	22.35	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	19.81	22.56	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	19.97	22.72	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	19.70	22.45	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	18.86	21.61	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	19.86	22.61	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	20.02	22.77	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	19.65	22.40	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	18.90	21.65	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	19.84	22.59	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	20.05	22.80	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	19.68	22.43	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	18.91	21.66	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	7.56	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	7.72	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	7.62	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	8.28	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	8.50	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	8.24	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	8.54	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	8.78	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	8.56	13	PASS



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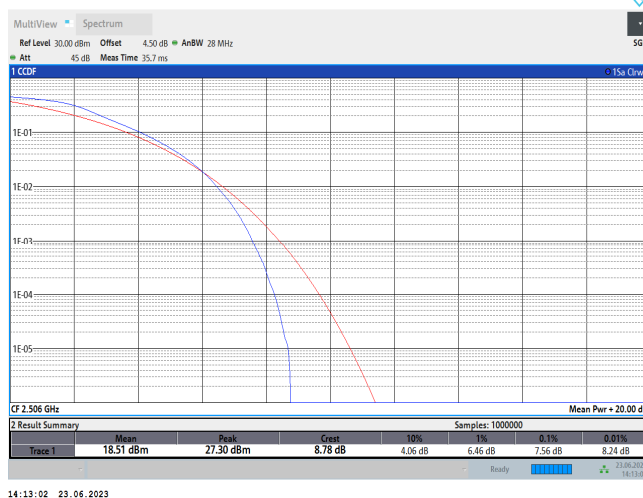
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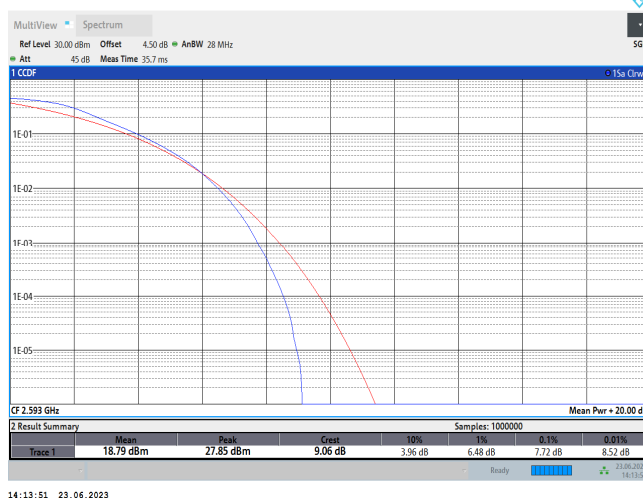
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Test Graphs

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



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



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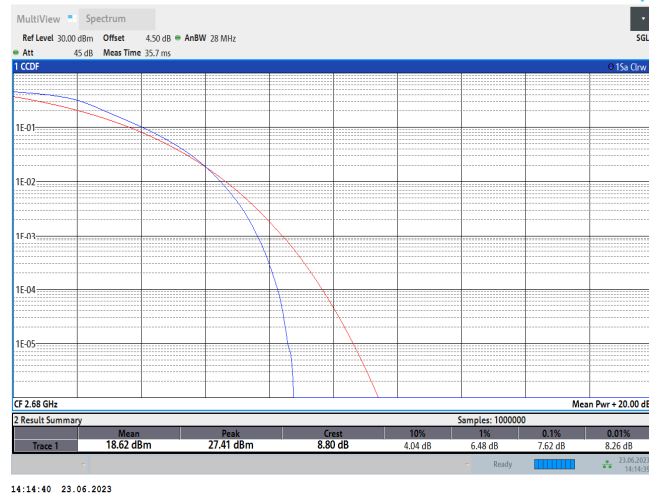
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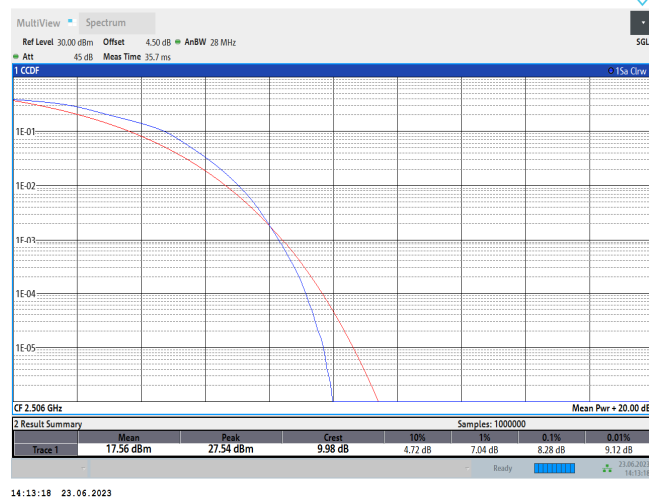
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Band41-20MHz-QPSK-41490-100RB#0



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



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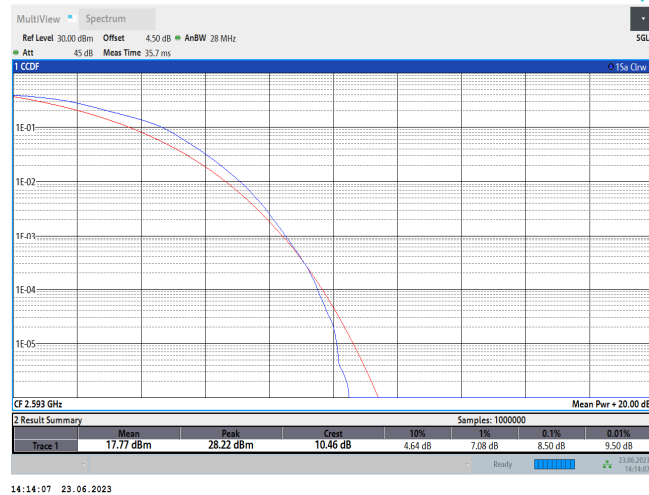
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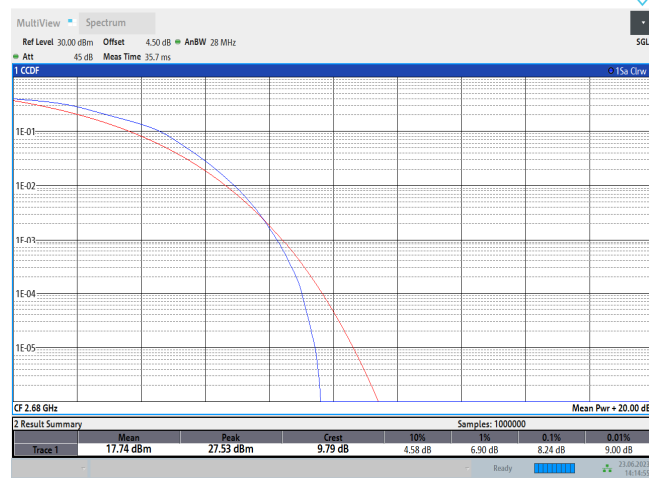
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Band41-20MHz-16QAM-40620-100RB#0



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



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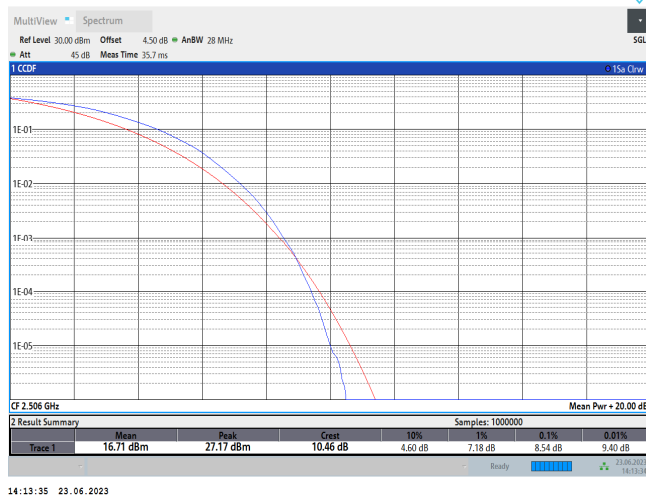
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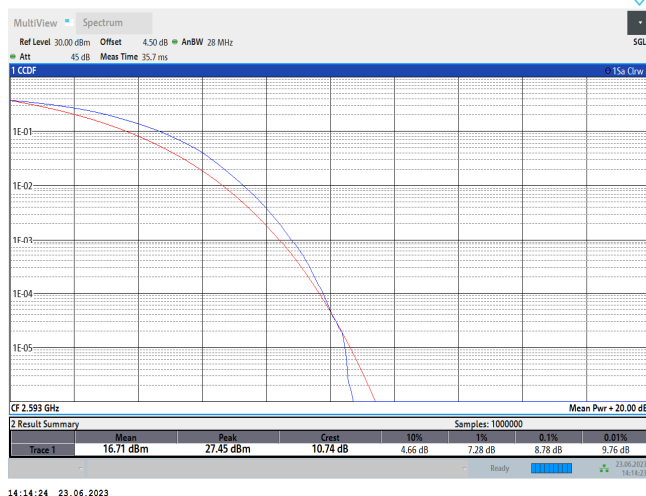
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Band41-20MHz-64QAM-39750-100RB#0



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



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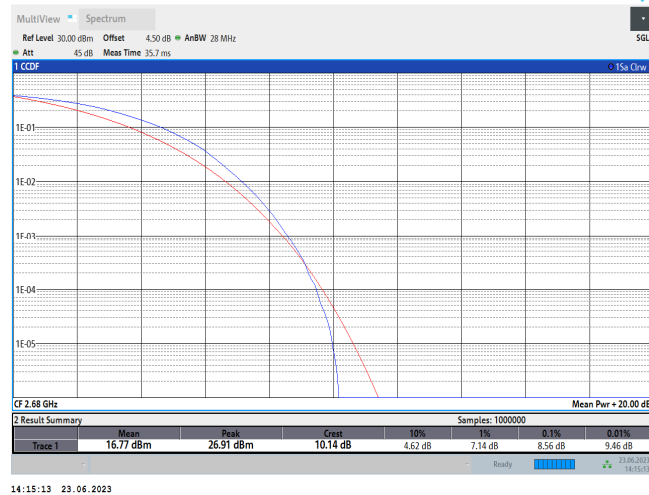
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Band41-20MHz-64QAM-41490-100RB#0



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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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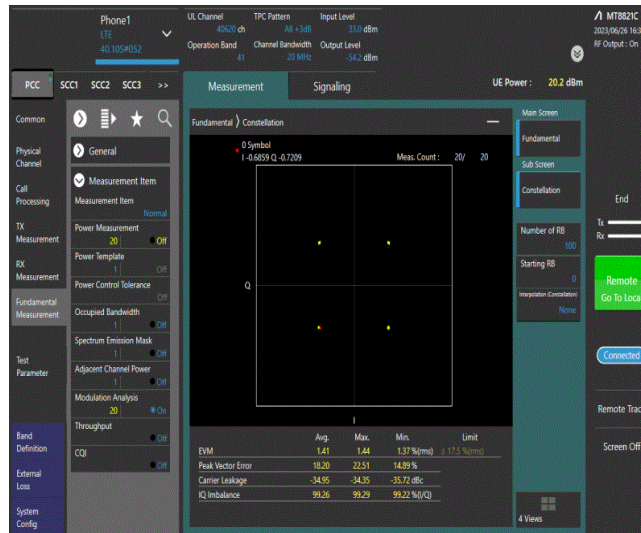
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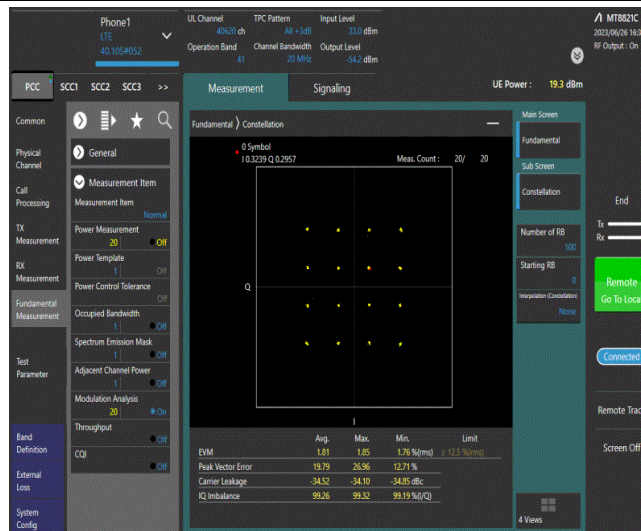
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Test Graphs

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



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

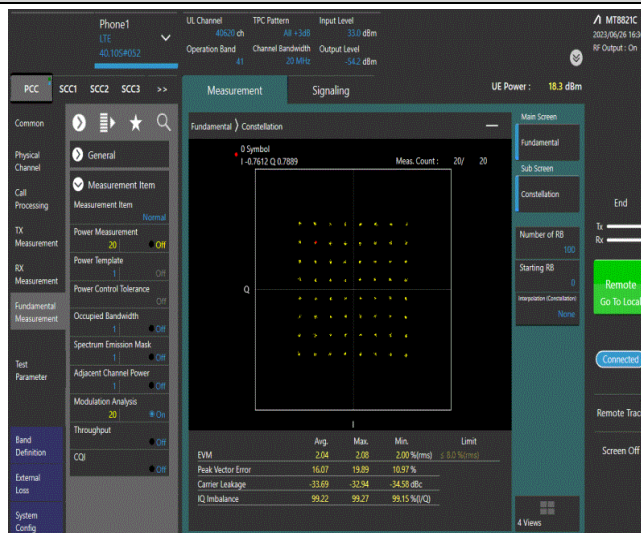


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Band41-20MHz-64QAM-40620-100RB#0



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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	4.445	4.74	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.476	4.76	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.484	4.81	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.471	4.76	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.479	4.73	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.472	4.74	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.457	4.75	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.467	4.74	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.455	4.81	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.941	9.26	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.906	9.40	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.934	9.52	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.898	9.34	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.880	9.34	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.923	9.28	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.912	9.36	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.926	9.48	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.985	9.32	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.344	14.28	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.476	14.19	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.438	14.37	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.395	14.25	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.452	14.22	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.381	14.34	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.427	14.28	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.405	14.70	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.409	14.43	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.872	19.04	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.951	19.04	PASS



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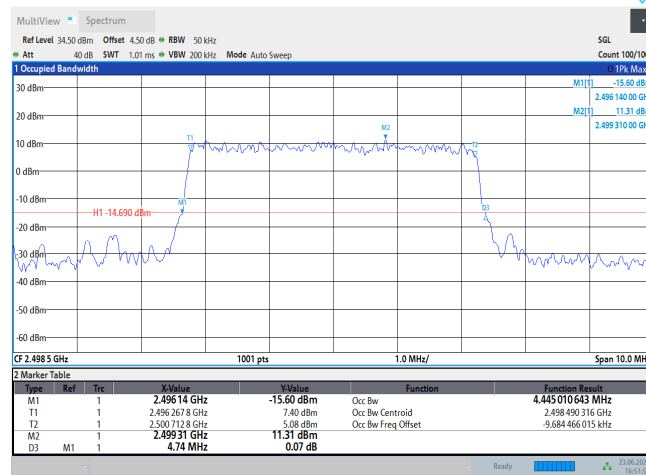
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Band41	20MHz	16QAM	40620	100RB#0	17.888	19.08	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.890	19.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.887	18.76	PASS
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Band41	20MHz	64QAM	41490	100RB#0	17.846	19.20	PASS



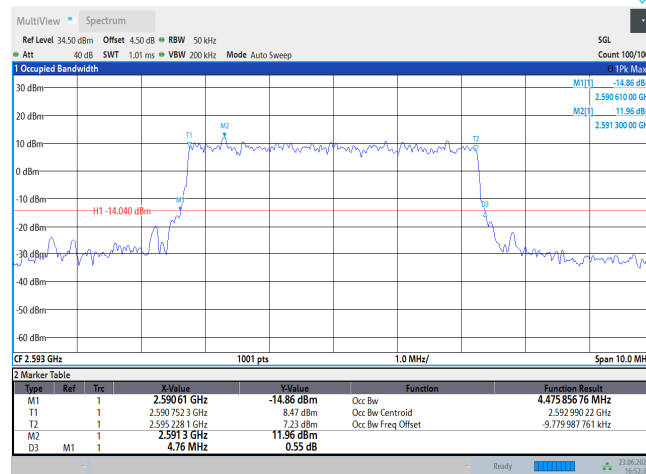
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Test Graphs

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



Band41-5MHz-QPSK-40620-25RB#0

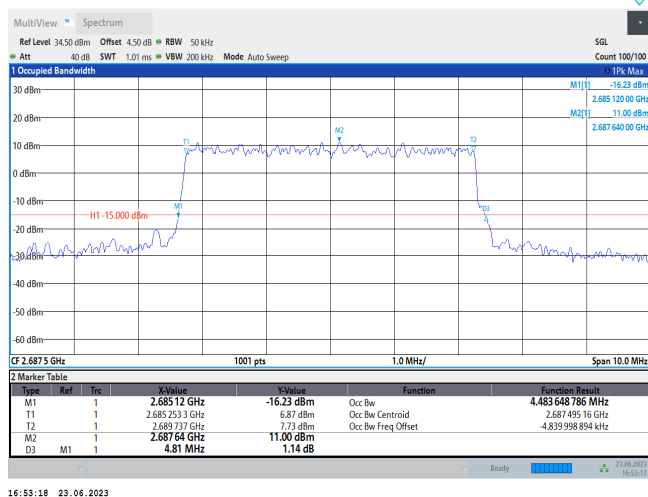


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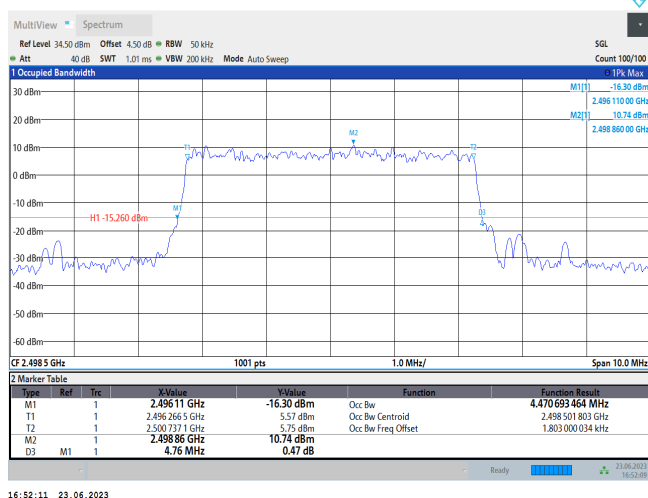
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Band41-5MHz-QPSK-41565-25RB#0



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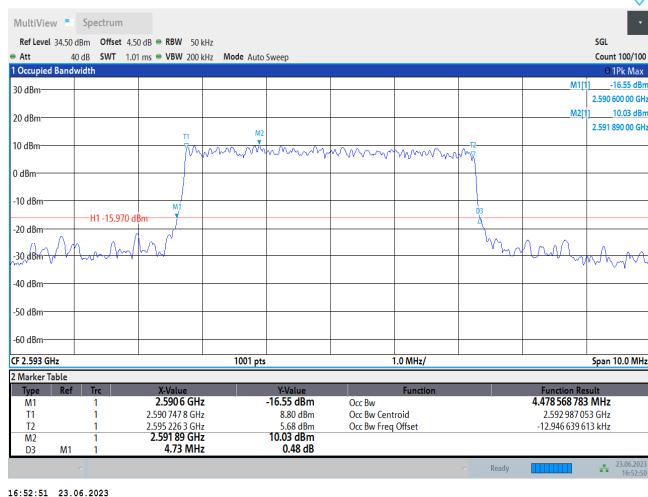


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Band41-5MHz-16QAM-40620-25RB#0



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

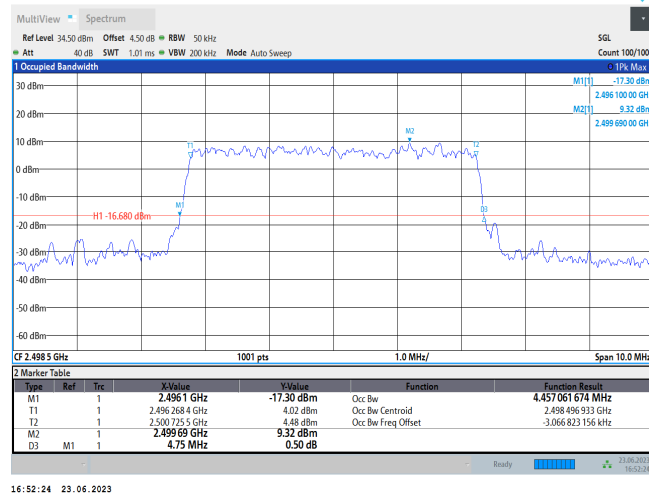


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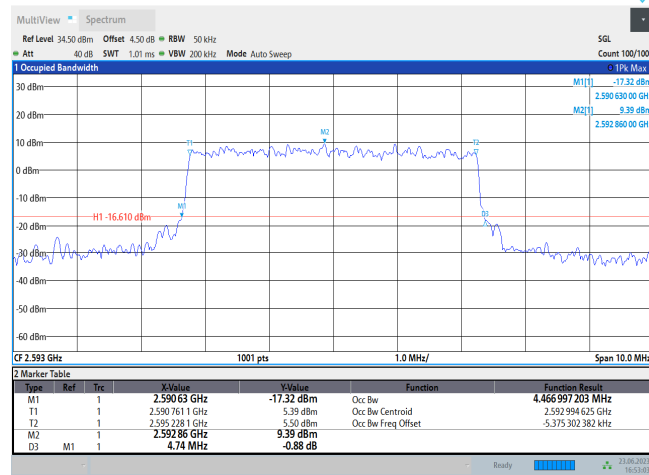
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Band41-5MHz-64QAM-39675-25RB#0



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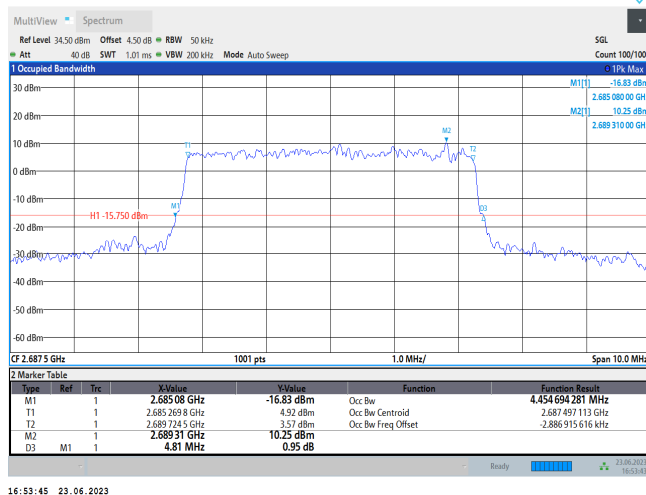
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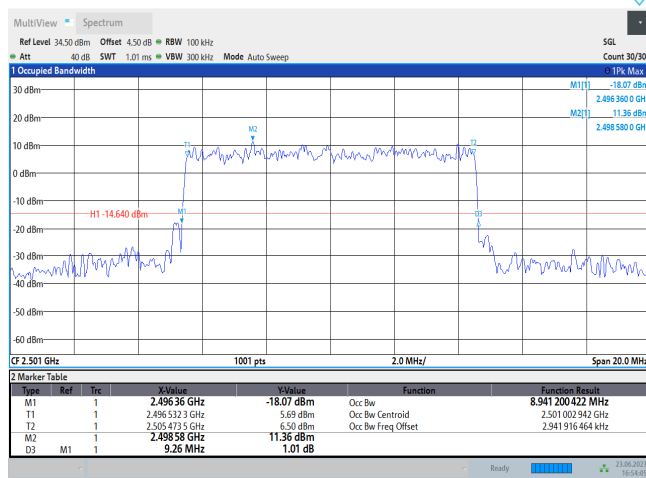
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Band41-5MHz-64QAM-41565-25RB#0



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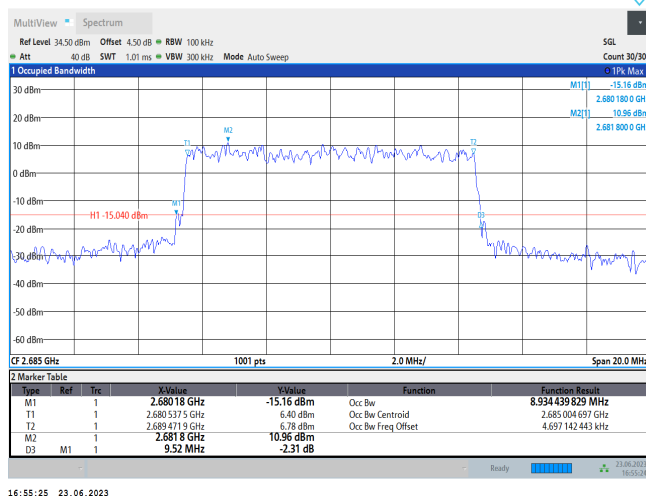
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Band41-10MHz-QPSK-40620-50RB#0



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

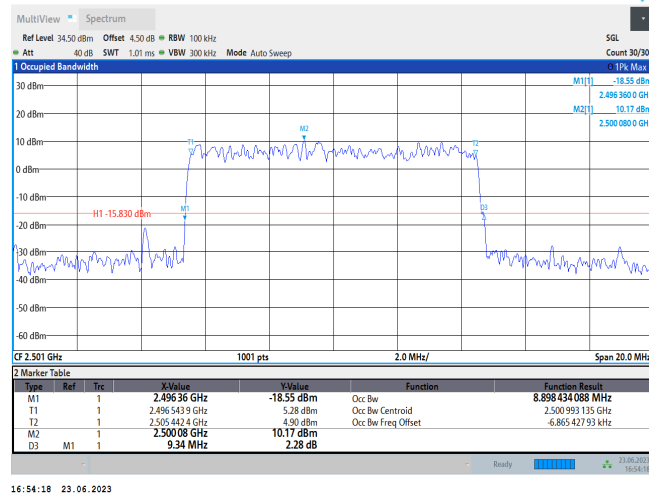


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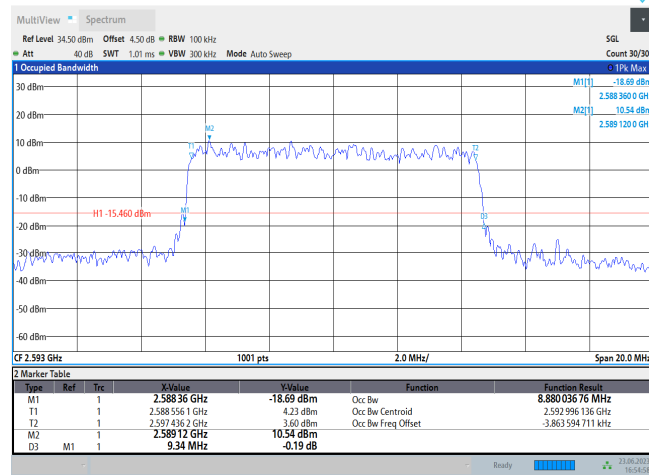
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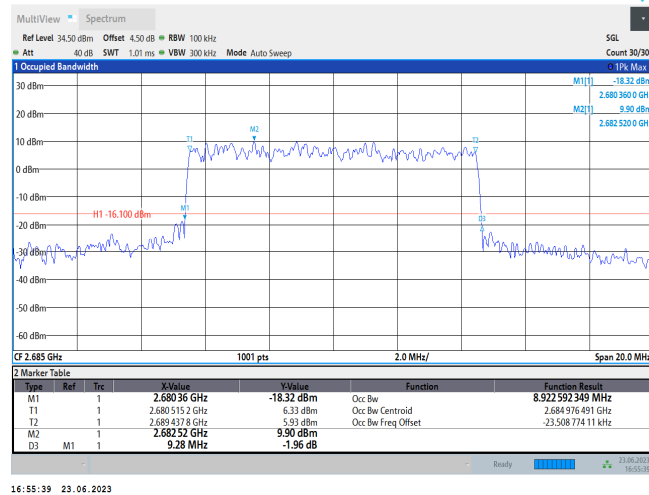
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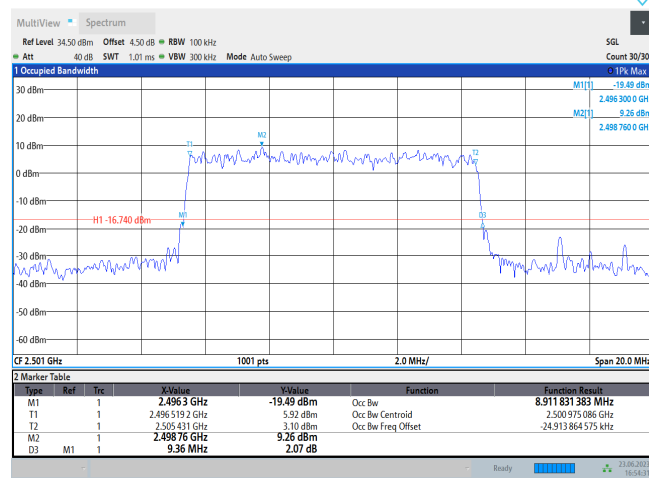
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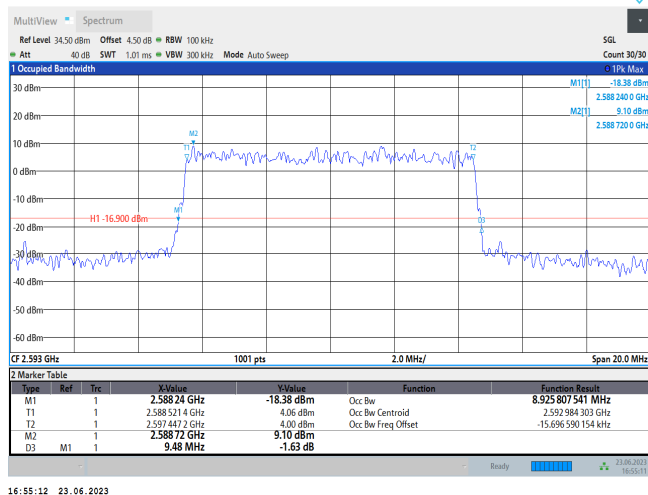
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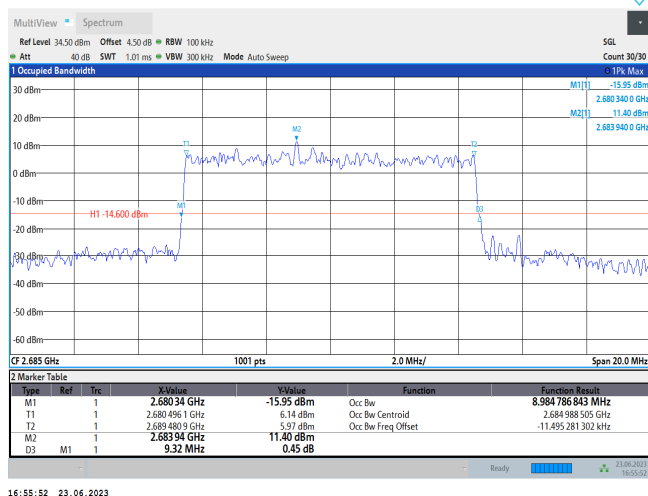
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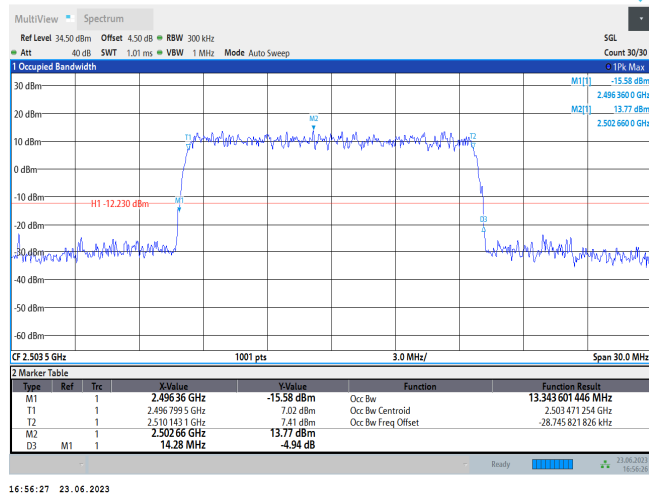


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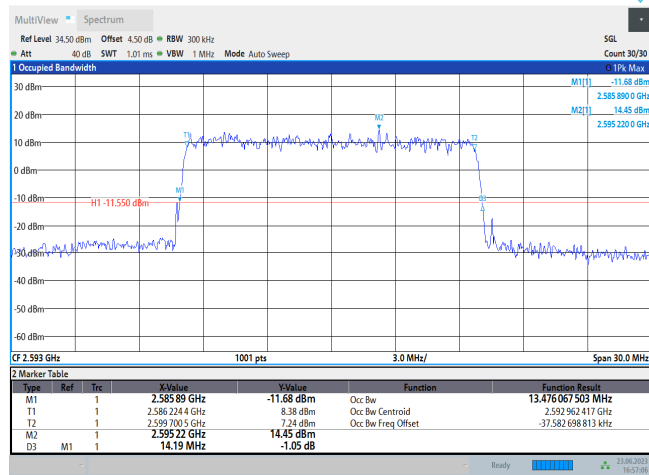
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Band41-15MHz-QPSK-39725-75RB#0



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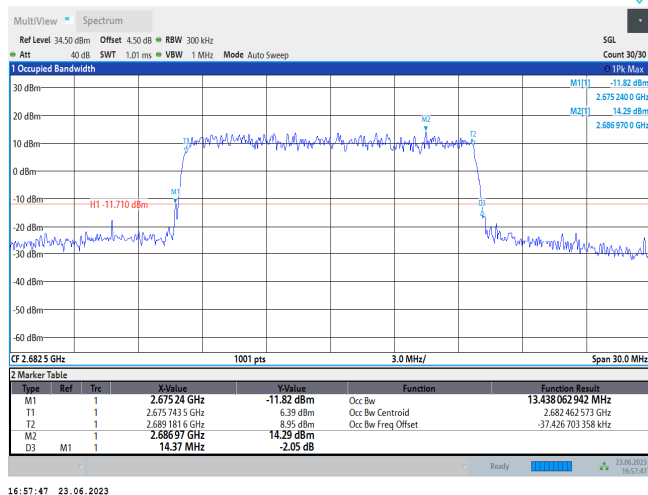
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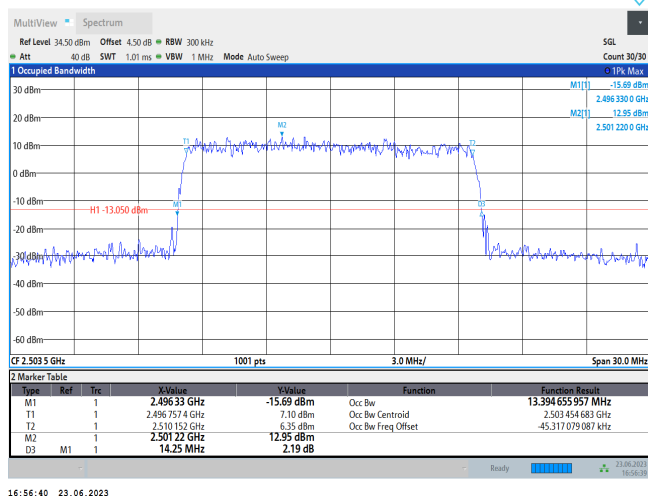
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Band41-15MHz-QPSK-41515-75RB#0



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

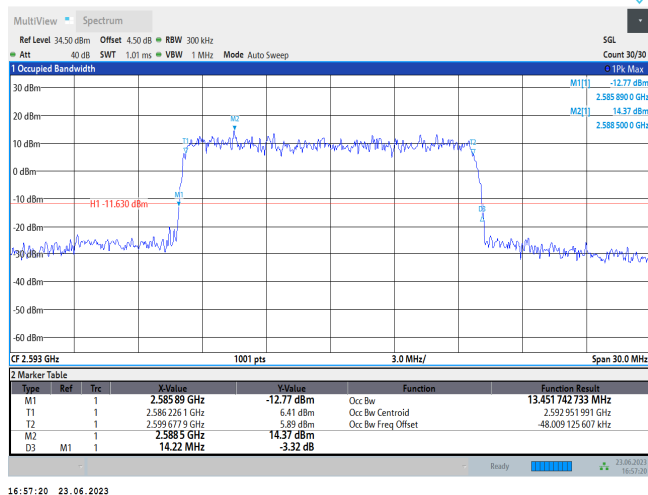


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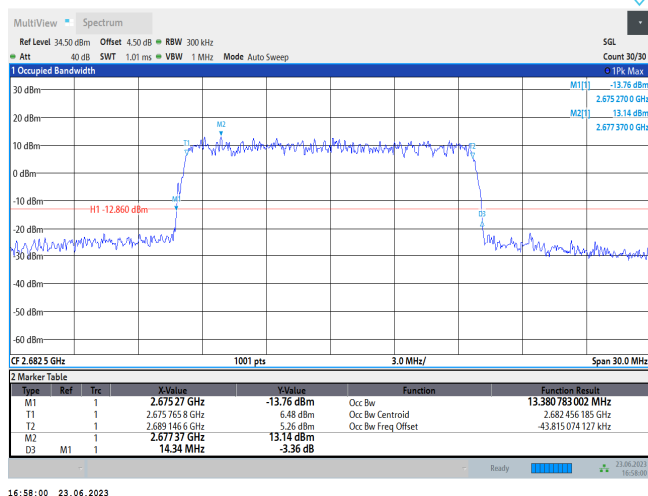
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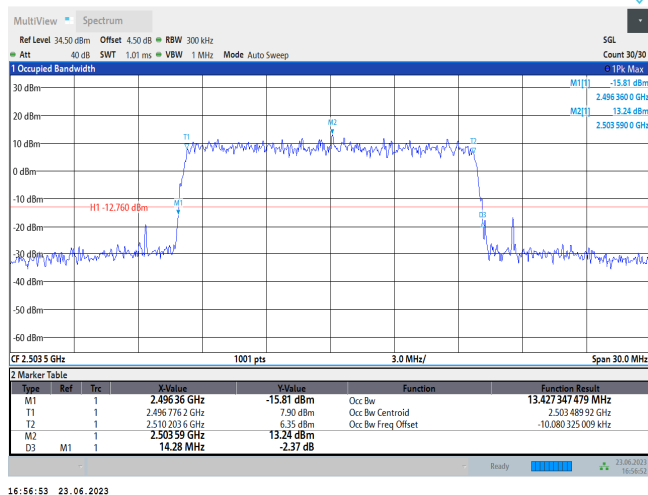


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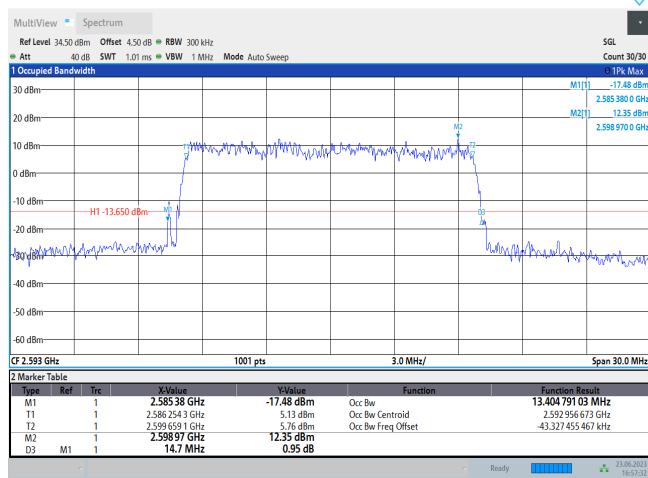
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Band41-15MHz-64QAM-39725-75RB#0



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



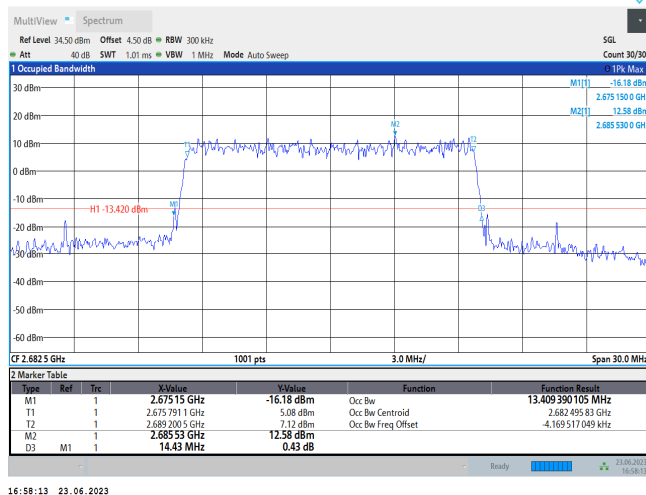
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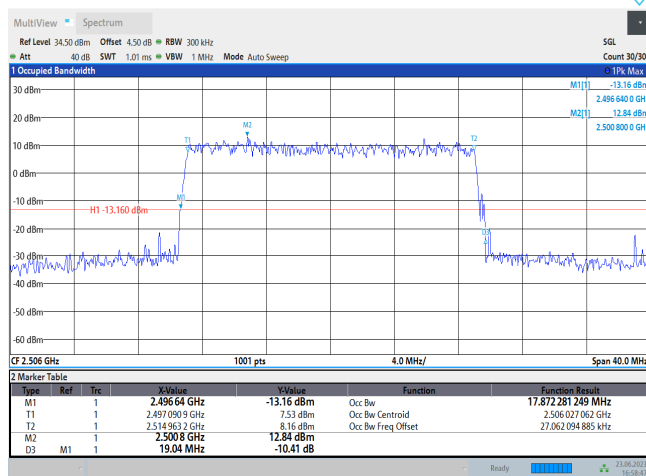
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Band41-15MHz-64QAM-41515-75RB#0



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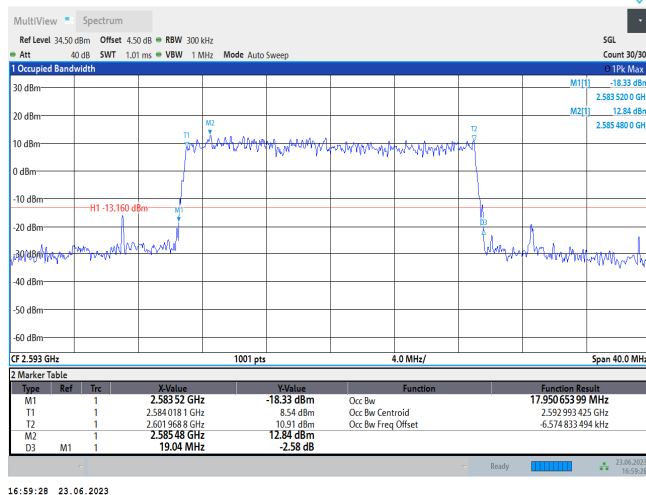
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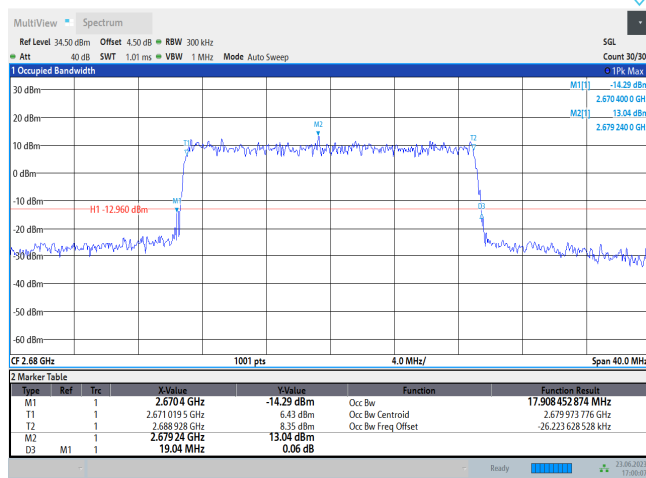
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Band41-20MHz-QPSK-40620-100RB#0



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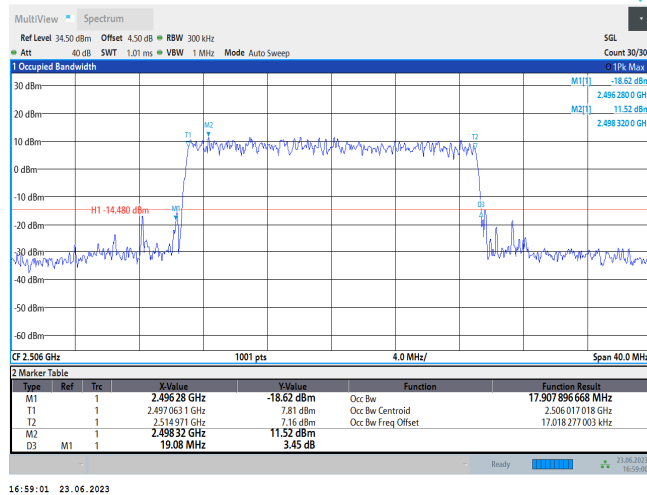
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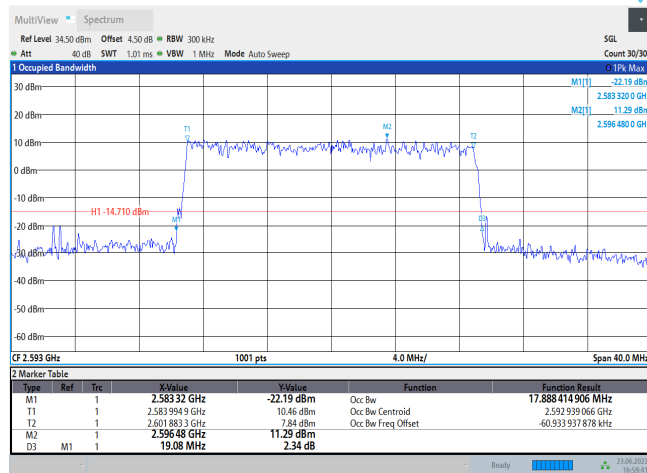
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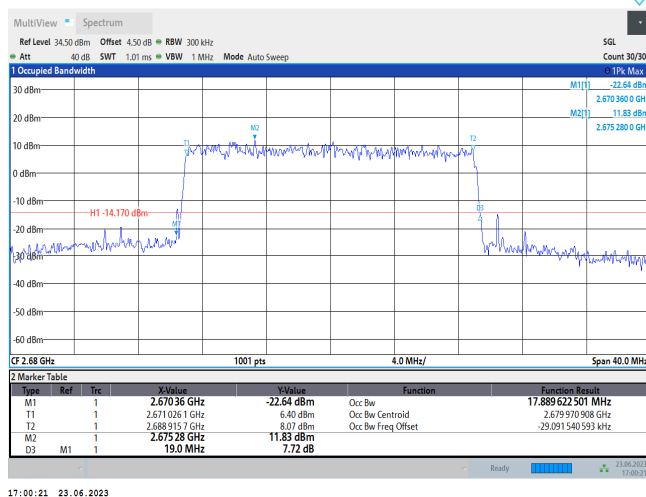
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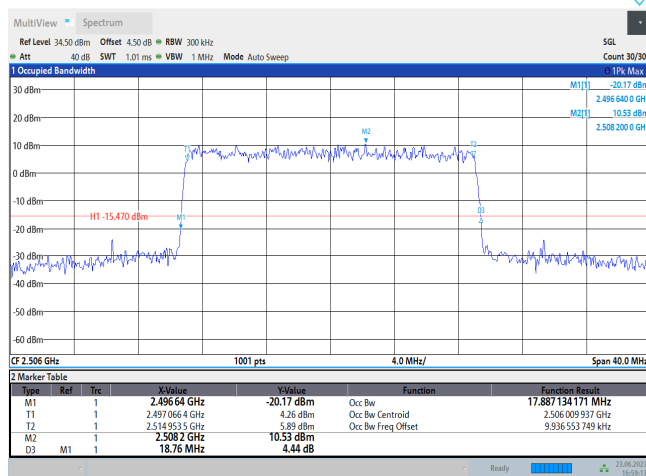
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Band41-20MHz-16QAM-41490-100RB#0



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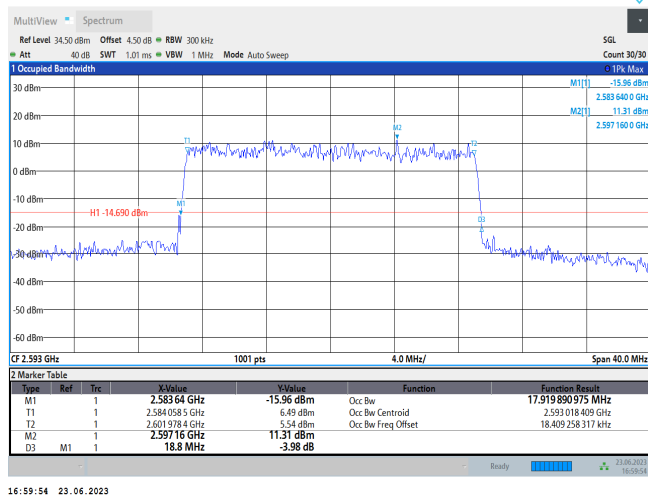
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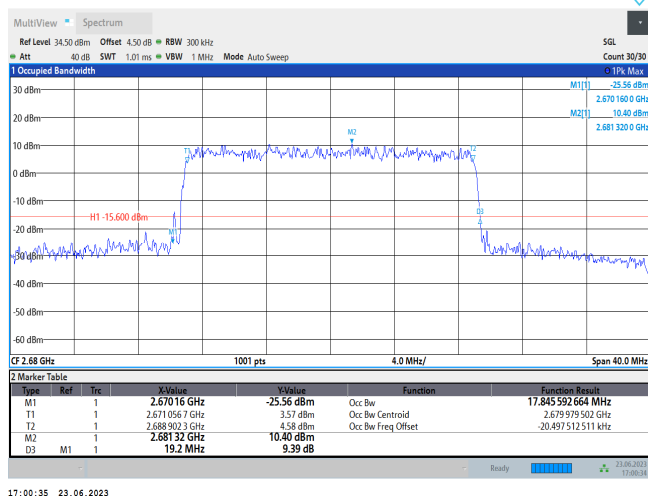
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Band41-20MHz-64QAM-40620-100RB#0



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

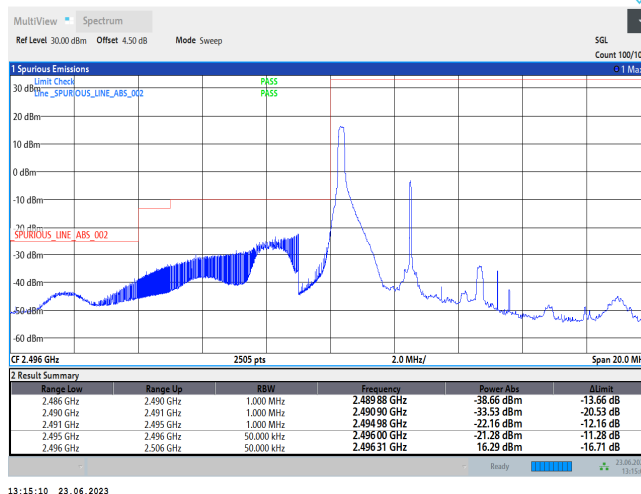


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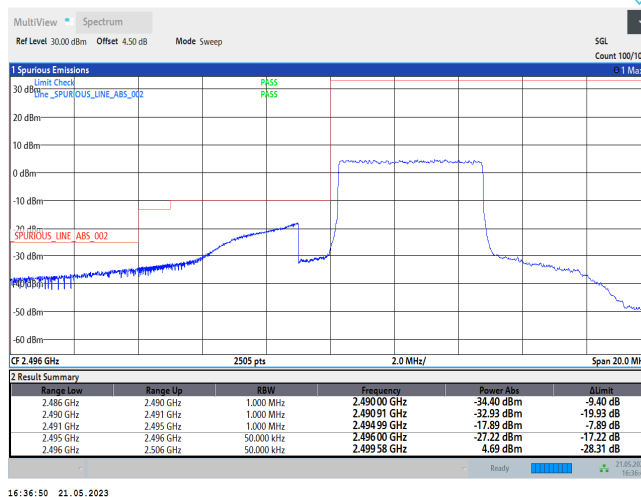
Band Edge

Test Graphs

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



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



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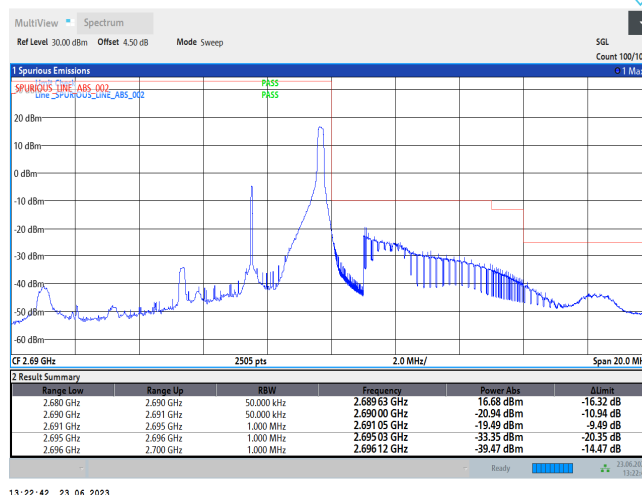
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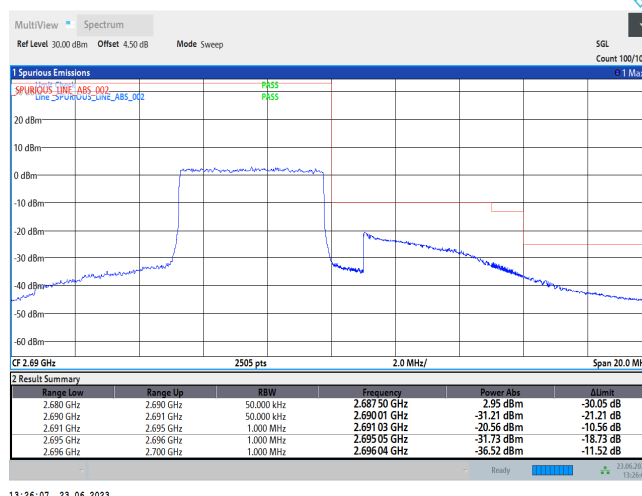
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Band41-5MHz-QPSK-41565-1RB#24



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



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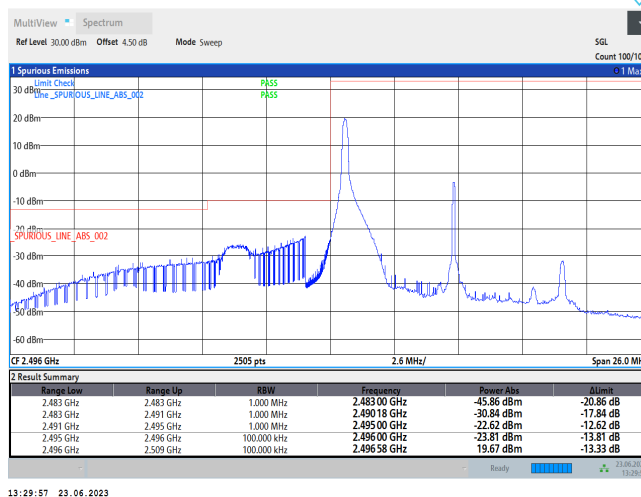
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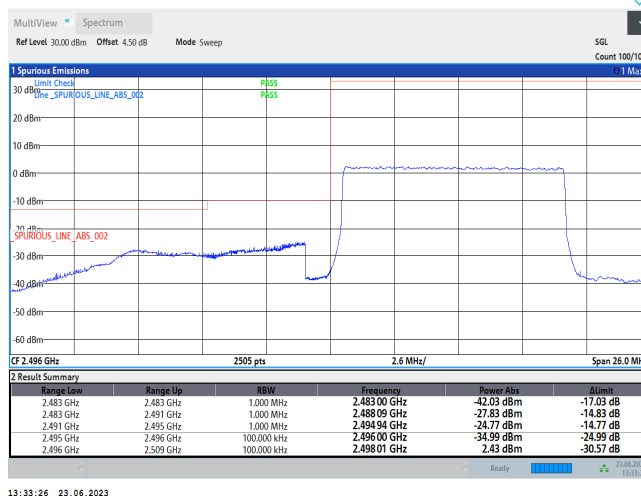
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Band41-10MHz-QPSK-39700-1RB#0



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



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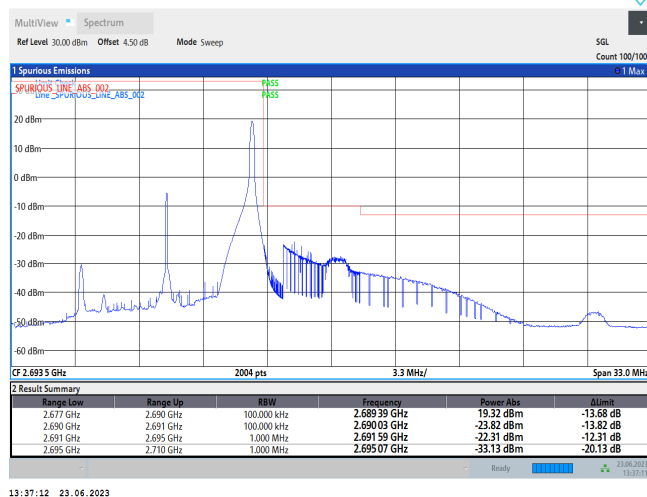
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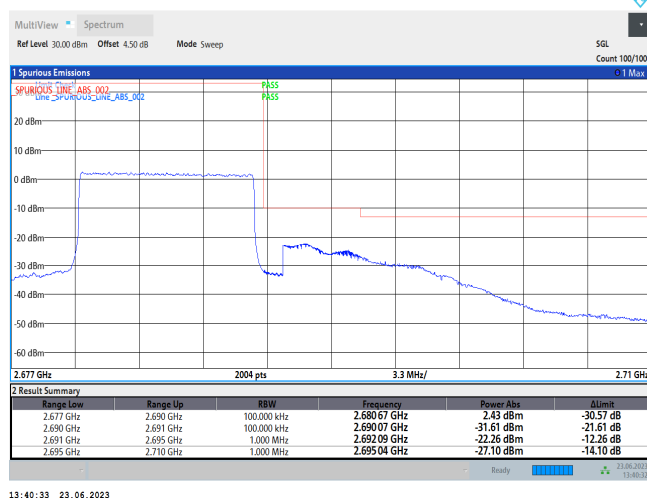
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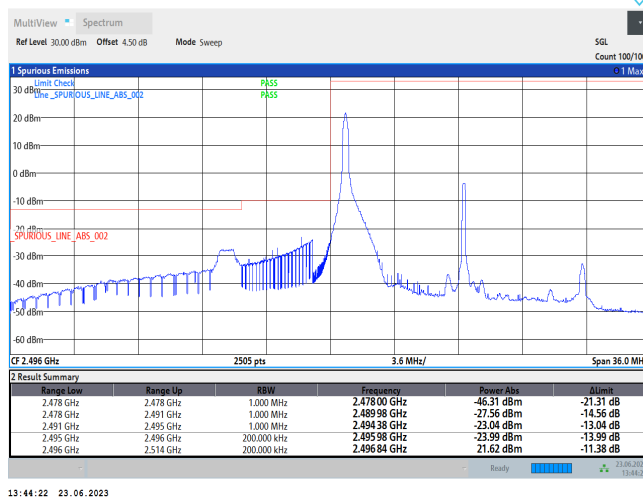


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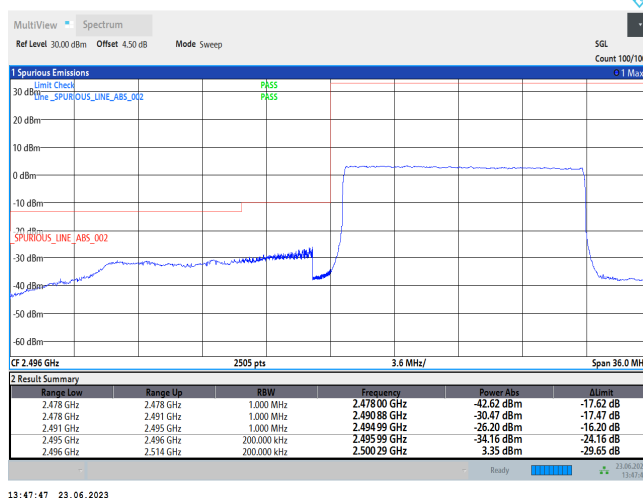
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Band41-15MHz-QPSK-39725-1RB#0



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



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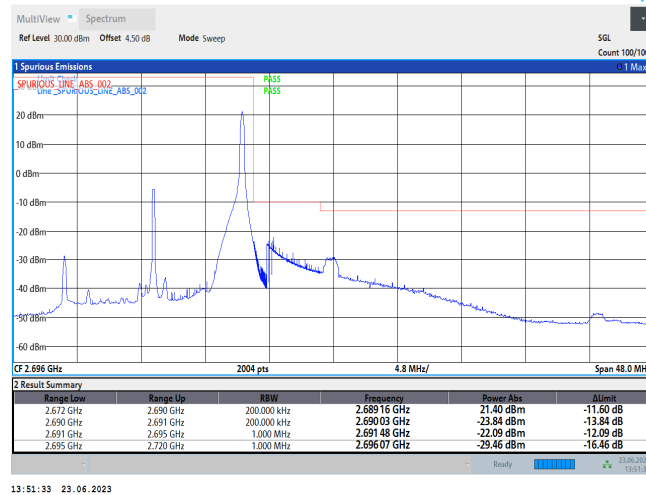
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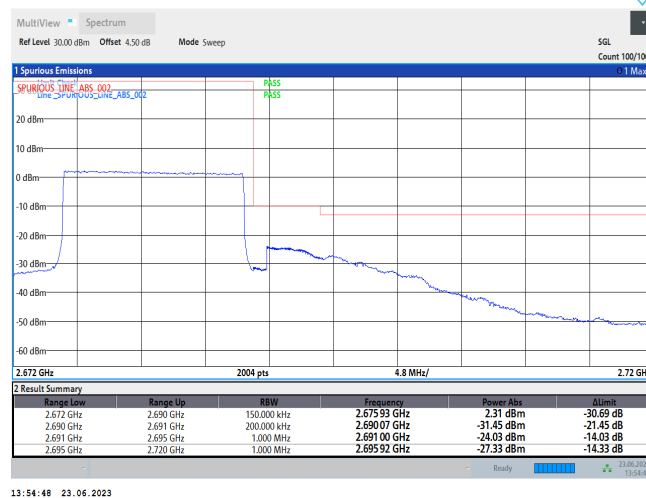
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Band41-15MHz-QPSK-41515-1RB#74



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



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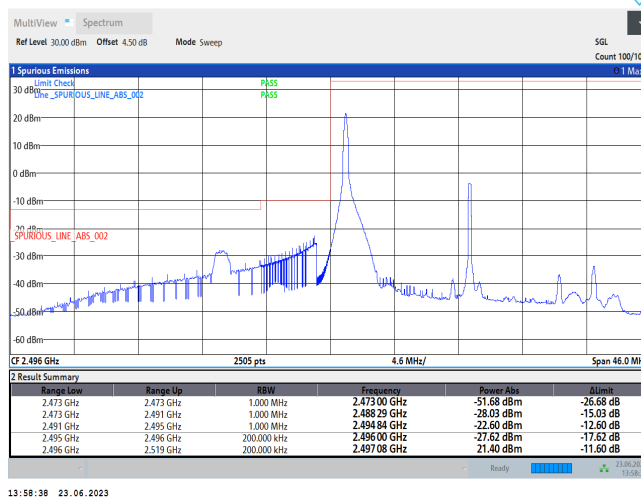
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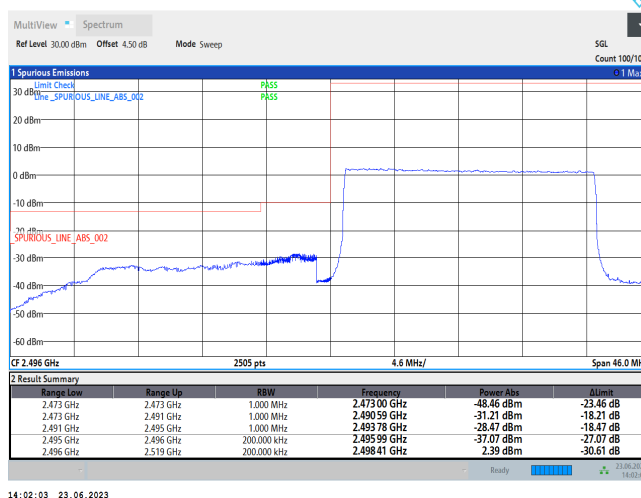
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Band41-20MHz-QPSK-39750-1RB#0



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



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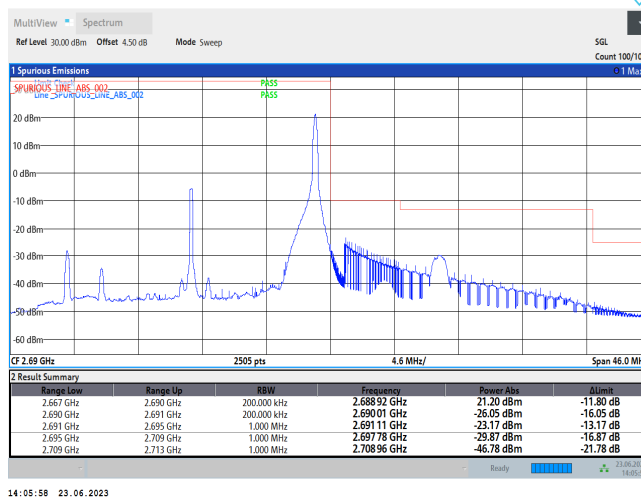
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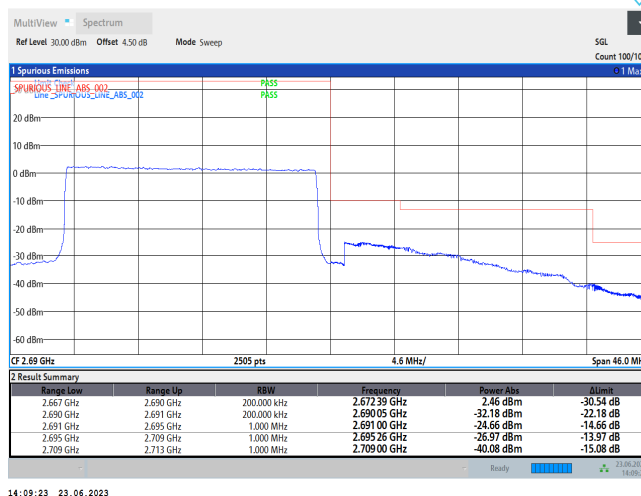
Page: 43 of 55

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



14:05:58 23.06.2023

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



14:09:23 23.06.2023



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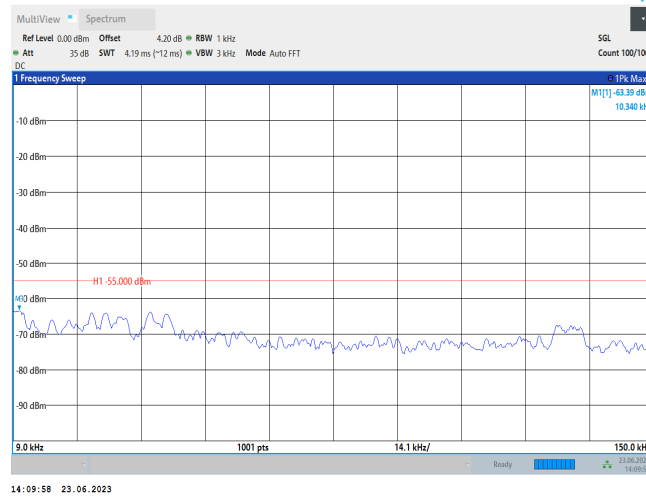
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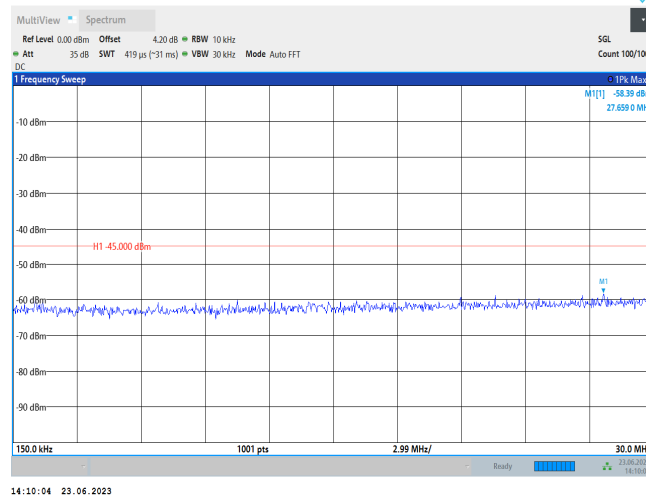
Conducted Spurious Emission

Test Graphs

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



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

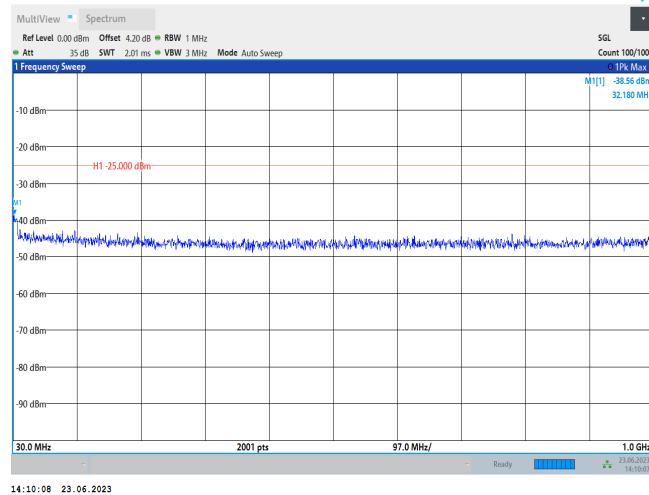


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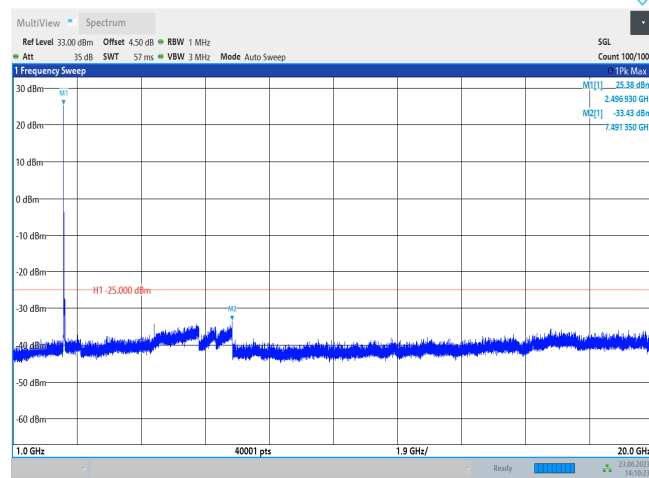
Page: 45 of 55

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



14:10:08 23.06.2023

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



14:10:23 23.06.2023



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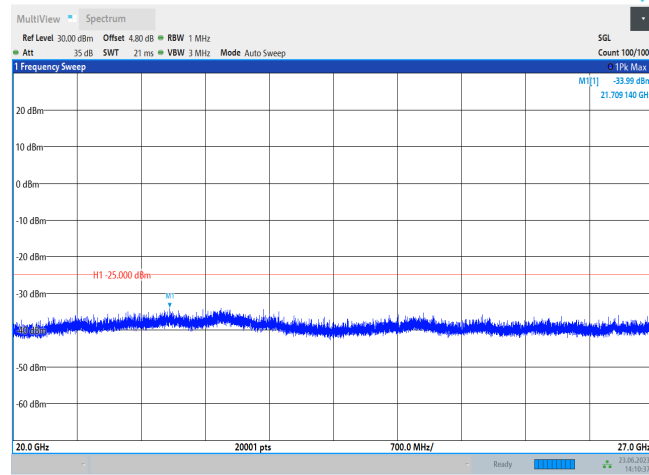
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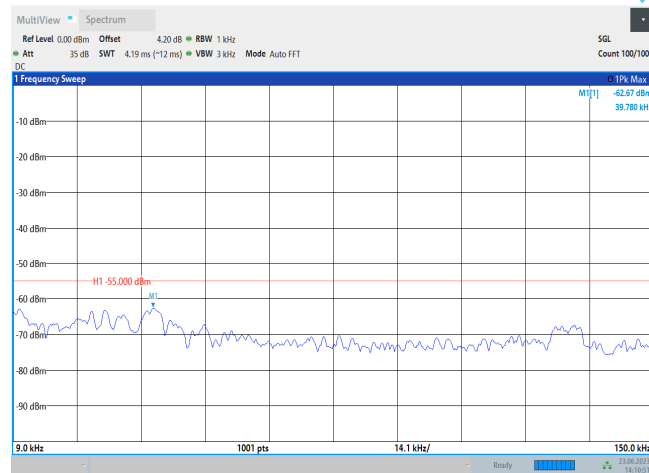
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



14:10:37 23.06.2023

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



14:10:52 23.06.2023



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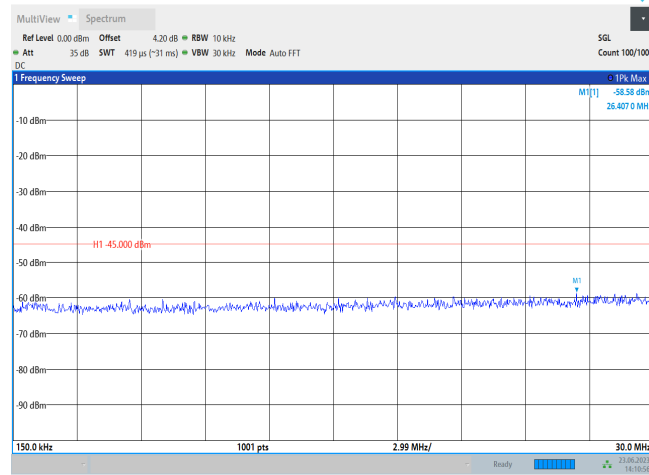
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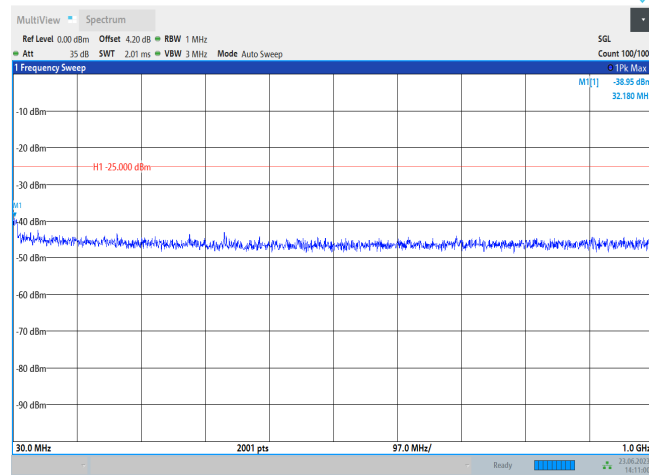
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



14:10:57 23.06.2023

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



14:11:01 23.06.2023



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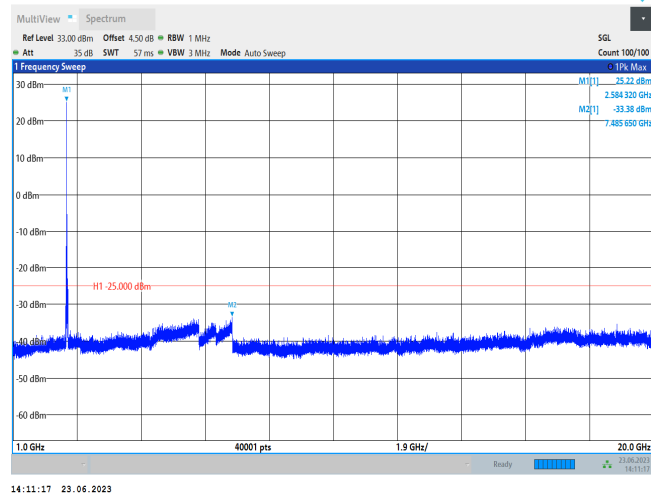
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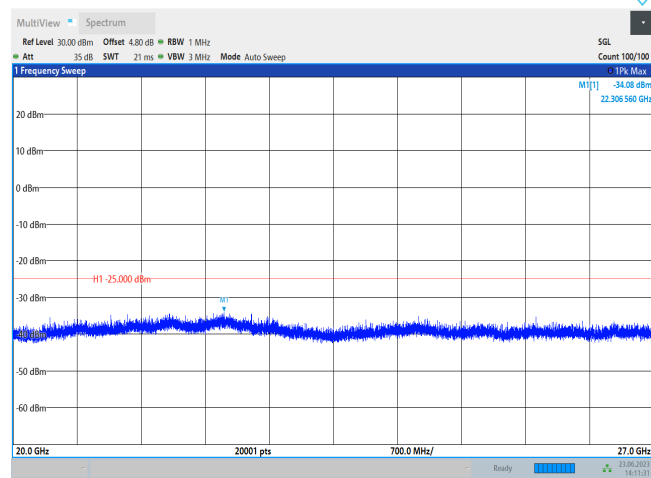
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



14:11:17 23.06.2023

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



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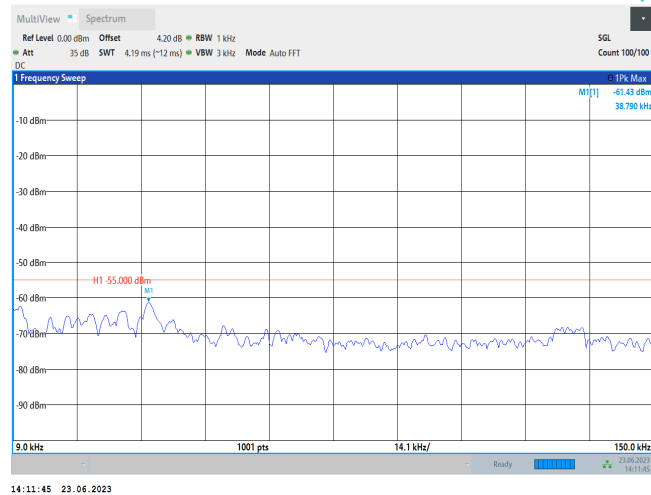
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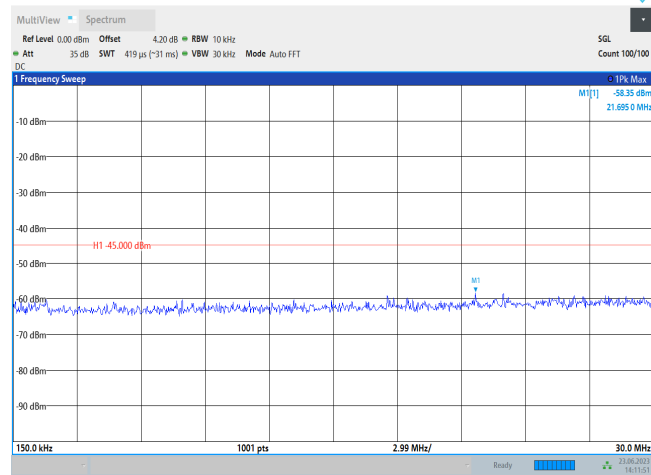
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



14:11:45 23.06.2023

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



14:11:51 23.06.2023



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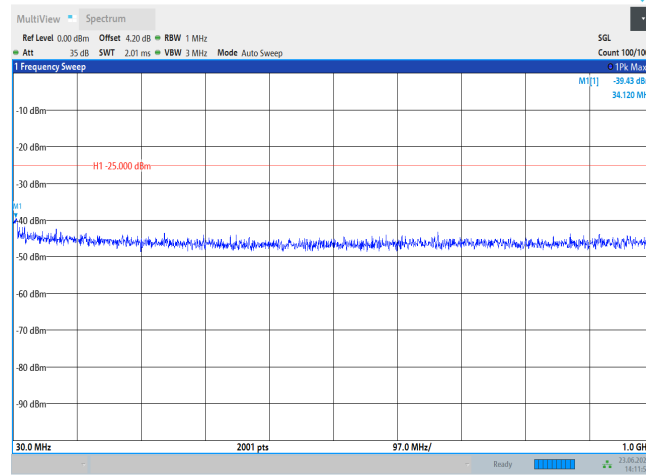
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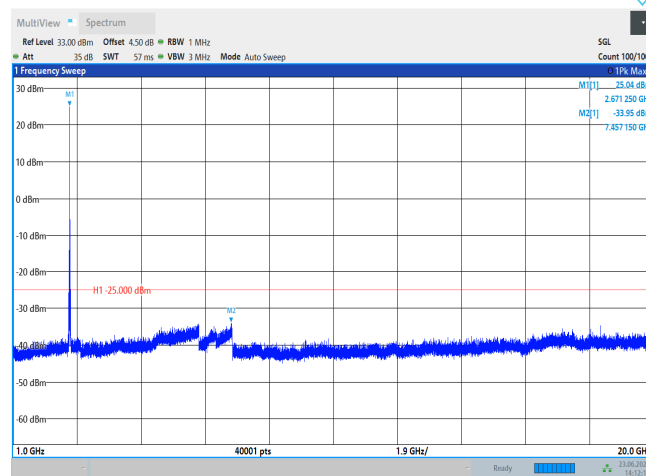
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Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



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



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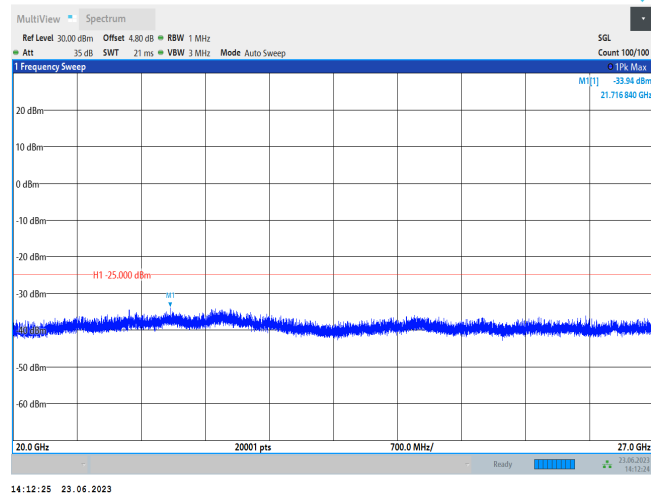
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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE band 41_ TM1_20MHz

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994	50.62	-45.63	31.39	-58.89	-25.00	33.89	188	82	Horizontal
2	7491.2700	42.92	-43.16	36.58	-58.93	-25.00	33.93	169	42	Horizontal
3	9988.3600	36.11	-39.25	38.18	-60.22	-25.00	35.22	132	192	Horizontal
4	12485.4500	29.61	-37.04	38.95	-63.74	-25.00	38.74	157	178	Horizontal
5	14982.5400	27.26	-34.64	41.29	-61.35	-25.00	36.35	245	178	Horizontal
6	17479.6300	29.96	-35.10	44.46	-55.94	-25.00	30.94	155	358	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.1800	52.54	-45.63	31.39	-56.97	-25.00	31.97	112	74	Vertical
2	7491.2700	45.31	-43.16	36.58	-56.54	-25.00	31.54	158	249	Vertical
3	9988.3600	35.63	-39.25	38.18	-60.70	-25.00	35.70	164	33	Vertical
4	12485.4500	29.48	-37.04	38.95	-63.87	-25.00	38.87	224	33	Vertical
5	14982.5400	27.66	-34.64	41.29	-60.95	-25.00	35.95	121	21	Vertical
6	17479.6300	30.23	-35.10	44.46	-55.67	-25.00	30.67	258	62	Vertical



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Test Band = LTE band 41_ TM1_20MHz
Test Channel = Mid

Final Data List										
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1	3195.5	45.48	-45.75	28.42	-67.12	-25.00	42.12	118	360	Horizontal
2	5168	57.39	-45.31	31.80	-51.38	-25.00	26.38	113	177	Horizontal
3	7752.2700	42.88	-42.69	36.70	-58.37	-25.00	33.37	187	109	Horizontal
4	10336.3600	38.61	-39.06	38.37	-57.34	-25.00	32.34	145	189	Horizontal
5	12920.4500	30.61	-37.16	39.08	-62.73	-25.00	37.73	132	136	Horizontal
6	15504.5400	27.52	-35.35	40.24	-62.85	-25.00	37.85	224	109	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3457.5	44.82	-46.27	28.57	-68.13	-25.00	43.13	214	356	Vertical
2	5168	52.68	-45.31	31.80	-56.09	-25.00	31.09	102	276	Vertical
3	7752.2700	46.72	-42.69	36.70	-54.53	-25.00	29.53	158	61	Vertical
4	10336.3600	40.19	-39.06	38.37	-55.76	-25.00	30.76	169	0	Vertical
5	12920.4500	30.37	-37.16	39.08	-62.97	-25.00	37.97	231	169	Vertical
6	15504.5400	28.32	-35.35	40.24	-62.05	-25.00	37.05	157	356	Vertical



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Test Band = LTE band 41_TM1_20MHz**Test Channel = High****Final Data List**

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3495.5	45.43	-46.26	28.60	-67.49	-25.00	42.49	158	352	Horizontal
2	5342	55.09	-45.18	32.22	-53.13	-25.00	28.13	169	169	Horizontal
3	8013.2700	49.72	-42.22	36.79	-50.96	-25.00	25.96	132	288	Horizontal
4	10684.3600	36.82	-37.97	38.54	-57.87	-25.00	32.87	257	302	Horizontal
5	13355.4500	30.19	-36.56	39.74	-61.89	-25.00	36.89	214	358	Horizontal
6	16026.5400	29.38	-34.85	39.28	-61.45	-25.00	36.45	223	57	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3478	44.88	-46.26	28.59	-68.06	-25.00	43.06	102	2	Vertical
2	5342.1800	49.52	-45.18	32.22	-58.70	-25.00	33.70	154	87	Vertical
3	8013.2700	55.48	-42.22	36.79	-45.20	-25.00	20.20	199	250	Vertical
4	10684.3600	37.64	-37.97	38.54	-57.05	-25.00	32.05	132	8	Vertical
5	13355.4500	30.24	-36.56	39.74	-61.84	-25.00	36.84	221	156	Vertical
6	16026.5400	29.51	-34.85	39.28	-61.32	-25.00	36.32	142	318	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	-16.40	-0.006325	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-18.00	-0.006942	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	0.50	0.000193	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-0.90	-0.000347	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	2.10	0.000810	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	3.80	0.001465	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	6.40	0.002468	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	8.30	0.003201	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-6.30	-0.002430	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	2.30	0.000887	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-3.50	-0.001350	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	3.20	0.001234	PASS

---End of Attachment---



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