



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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Appendix B.5

LTE Band 5



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.59	20.44	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.71	20.56	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.59	20.44	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.64	19.49	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.58	20.43	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.69	20.54	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.55	20.40	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.64	19.49	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.47	20.32	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.65	20.50	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.47	20.32	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.55	19.40	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.87	19.72	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.94	19.79	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.76	19.61	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.79	18.64	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.93	19.78	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.05	19.90	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.85	19.70	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.78	18.63	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.78	19.63	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.84	19.69	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.82	19.67	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.68	18.53	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	20.87	18.72	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	20.99	18.84	38.45	PASS



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Band5	1.4MHz	64QAM	20407	1RB#5	20.78	18.63	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	19.73	17.58	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	20.89	18.74	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	20.91	18.76	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	20.81	18.66	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	19.73	17.58	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	20.72	18.57	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	20.88	18.73	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	20.69	18.54	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	19.64	17.49	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.63	20.48	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.64	20.49	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.61	20.46	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.59	19.44	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.59	20.44	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.59	20.44	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.59	20.44	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.60	19.45	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.52	20.37	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.54	20.39	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.48	20.33	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.54	19.39	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.82	19.67	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.96	19.81	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.84	19.69	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.66	18.51	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.87	19.72	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.83	19.68	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.87	19.72	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.66	18.51	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.78	19.63	38.45	PASS



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Band5	3MHz	16QAM	20635	1RB#8	21.77	19.62	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.79	19.64	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.58	18.43	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	20.87	18.72	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	20.91	18.76	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	20.82	18.67	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	19.69	17.54	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	20.85	18.70	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	20.86	18.71	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	20.80	18.65	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	19.68	17.53	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	20.85	18.70	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	20.83	18.68	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	20.77	18.62	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	19.64	17.49	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.50	20.35	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.78	20.63	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.45	20.30	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.59	19.44	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.49	20.34	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.76	20.61	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.42	20.27	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.61	19.46	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.42	20.27	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.71	20.56	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.39	20.24	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.53	19.38	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.86	19.71	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.11	19.96	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.78	19.63	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.64	18.49	38.45	PASS



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Band5	5MHz	16QAM	20525	1RB#0	21.85	19.70	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.93	19.78	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.73	19.58	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.67	18.52	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.72	19.57	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.00	19.85	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.69	19.54	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.54	18.39	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	20.77	18.62	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.05	18.90	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	20.76	18.61	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	19.69	17.54	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	20.79	18.64	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.01	18.86	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	20.74	18.59	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	19.72	17.57	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	20.66	18.51	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	20.97	18.82	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	20.72	18.57	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	19.62	17.47	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.61	20.46	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.70	20.55	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.60	20.45	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.61	19.46	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.62	20.47	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.67	20.52	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.54	20.39	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.70	19.55	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.56	20.41	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.63	20.48	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.51	20.36	38.45	PASS



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Band5	10MHz	QPSK	20600	50RB#0	21.56	19.41	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.97	19.82	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.07	19.92	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.92	19.77	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.64	18.49	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.90	19.75	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.07	19.92	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.87	19.72	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.73	18.58	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.78	19.63	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.99	19.84	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.81	19.66	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.58	18.43	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	20.89	18.74	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	20.97	18.82	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	20.87	18.72	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	19.70	17.55	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	20.83	18.68	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	20.99	18.84	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	20.82	18.67	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	19.73	17.58	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	20.82	18.67	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	20.85	18.70	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	20.79	18.64	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	19.64	17.49	38.45	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.68	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.71	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.48	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.38	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.41	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.23	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.64	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.61	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.52	13	PASS



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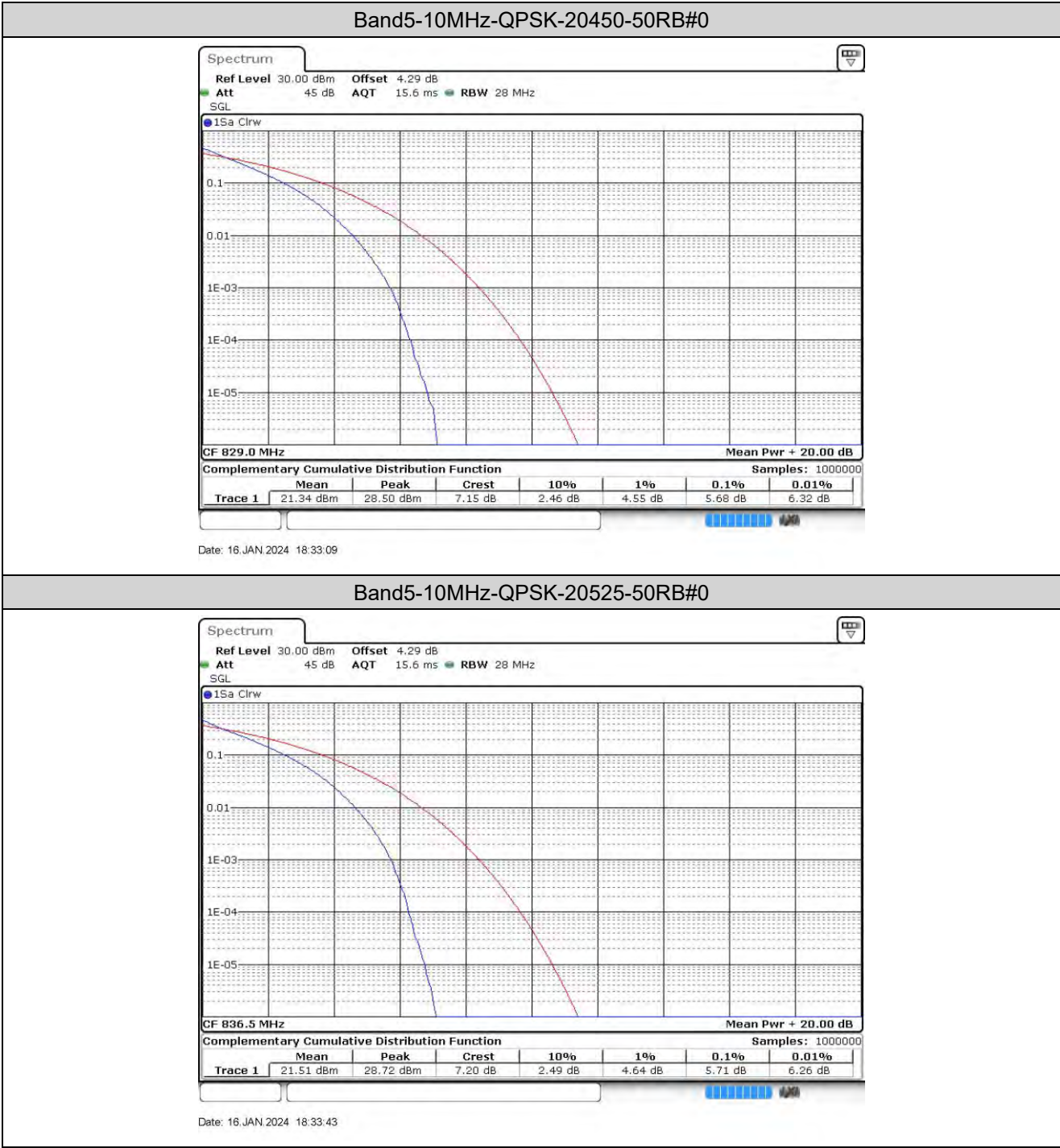
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Test Graphs



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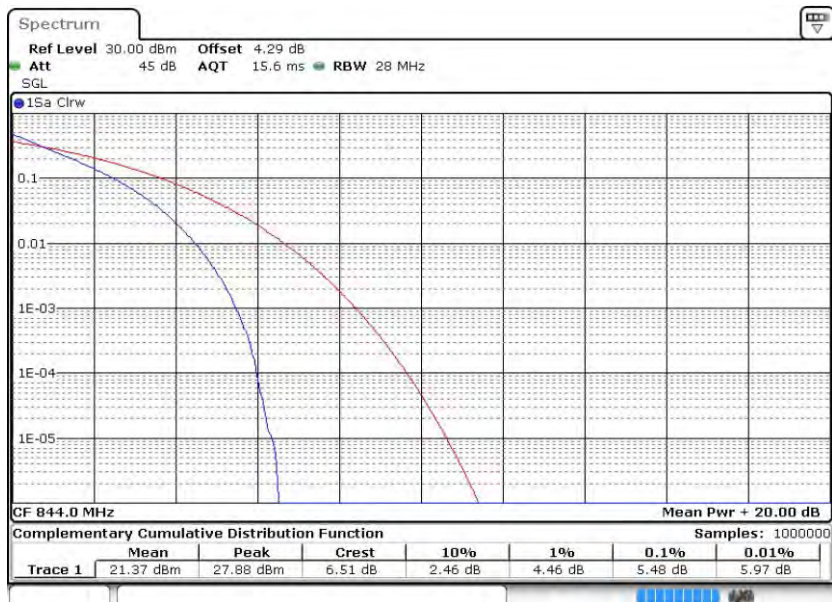
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Band5-10MHz-QPSK-20600-50RB#0



Date: 16 JAN 2024 18:34:16

Band5-10MHz-16QAM-20450-50RB#0



Date: 16 JAN 2024 18:33:26



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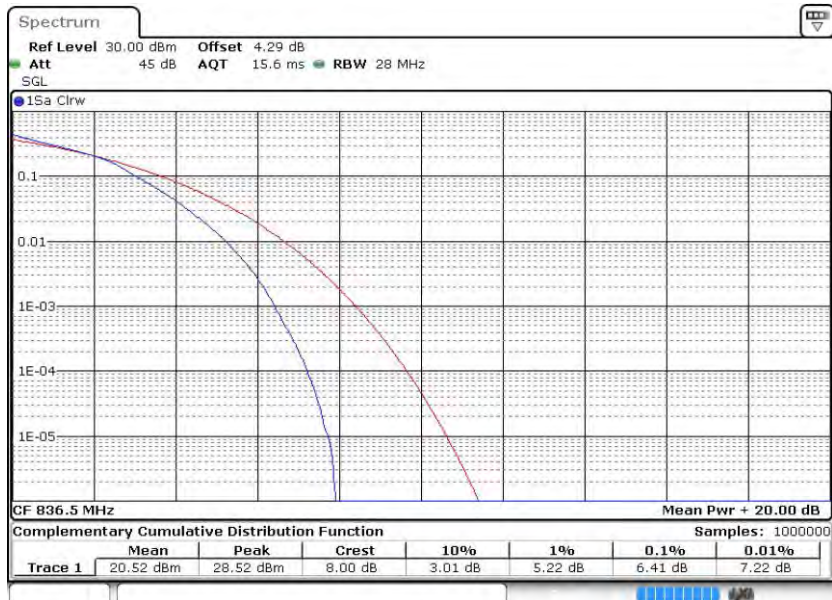
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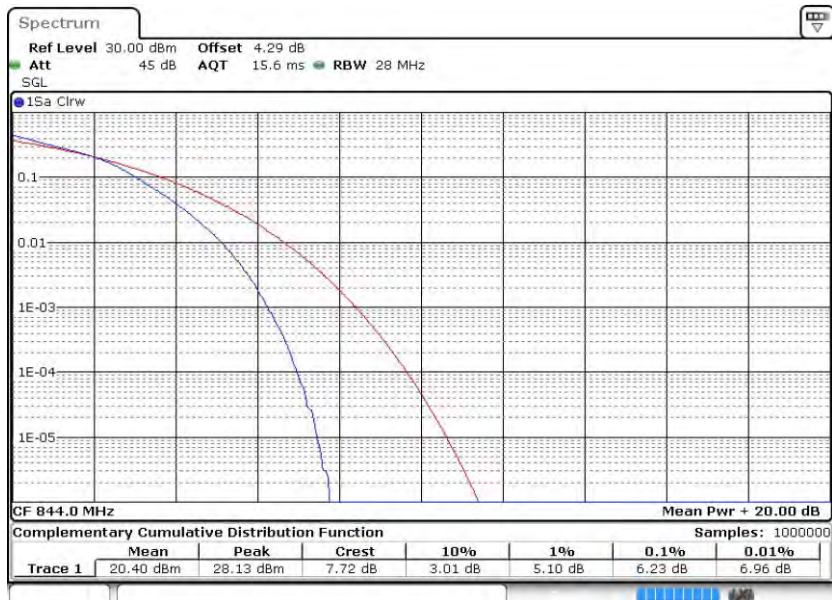
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Band5-10MHz-16QAM-20525-50RB#0



Date: 16 JAN 2024 18:33:59

Band5-10MHz-16QAM-20600-50RB#0



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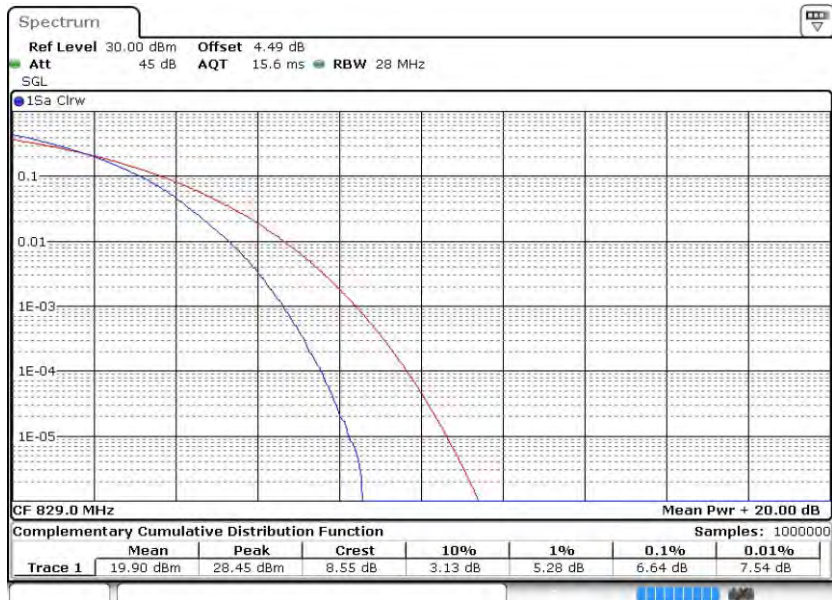
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Band5-10MHz-64QAM-20450-50RB#0



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Band5-10MHz-64QAM-20525-50RB#0



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Band5-10MHz-64QAM-20600-50RB#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
Band5	1.4MHz	QPSK	20407	6RB#0	1.085	1.27	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.085	1.27	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.085	1.27	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.097	1.30	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.097	1.30	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.097	1.31	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.097	1.30	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.097	1.29	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.097	1.30	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.685	2.90	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.685	2.90	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.685	2.90	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.679	2.91	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.673	2.90	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.673	2.91	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.679	2.90	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.679	2.90	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.679	2.90	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.466	4.80	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.466	4.82	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.456	4.72	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.456	4.79	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.466	4.85	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.466	4.82	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.476	4.83	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.86	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.466	4.83	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.931	9.58	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.951	9.90	PASS



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Band5	10MHz	QPSK	20600	50RB#0	8.931	9.56	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.911	9.56	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.931	9.56	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.891	9.62	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.931	9.58	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.951	9.62	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.911	9.58	PASS



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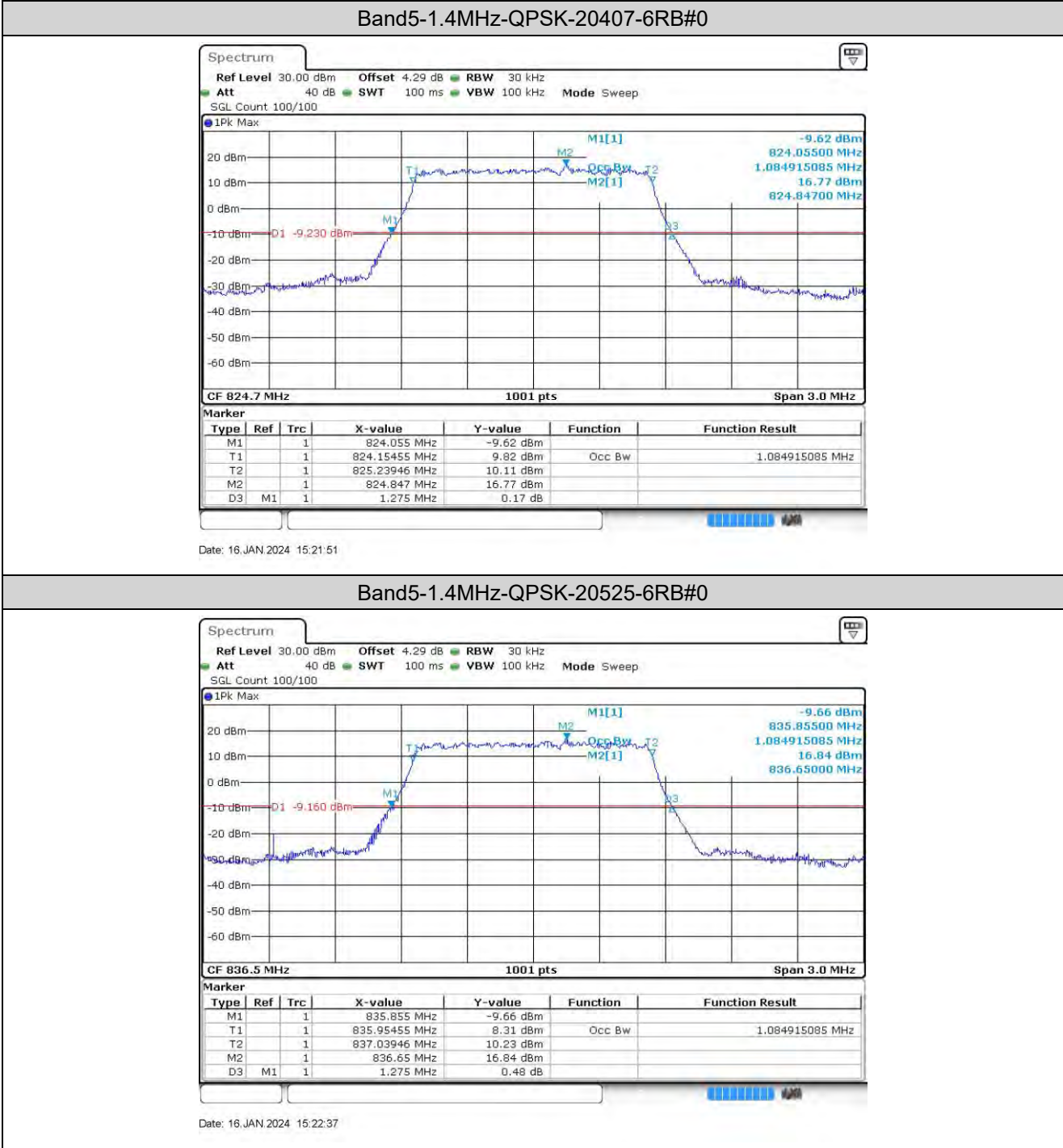
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Test Graphs



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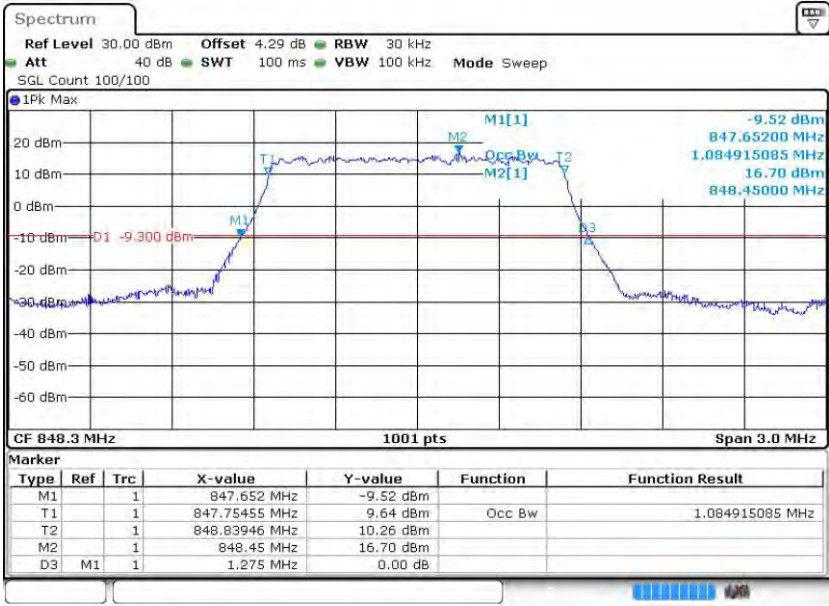
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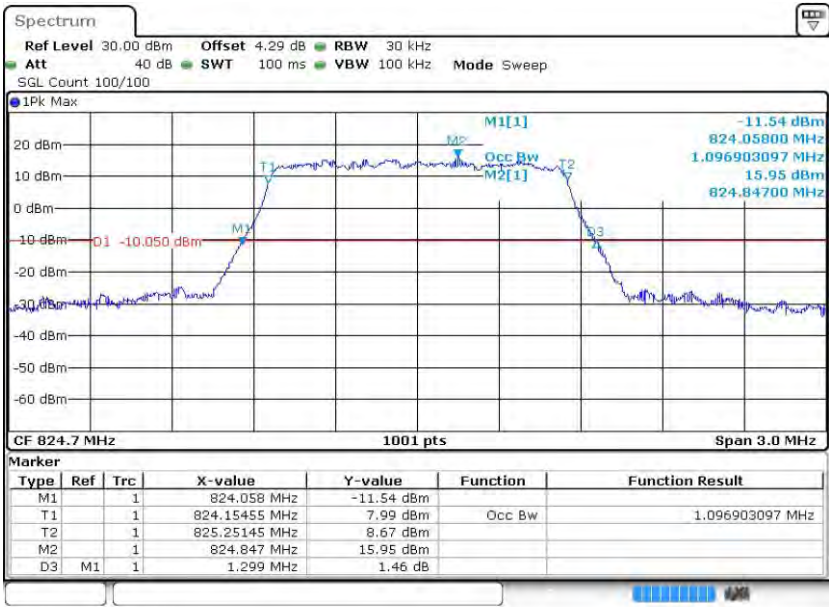
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Band5-1.4MHz-QPSK-20643-6RB#0



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Band5-1.4MHz-16QAM-20407-6RB#0



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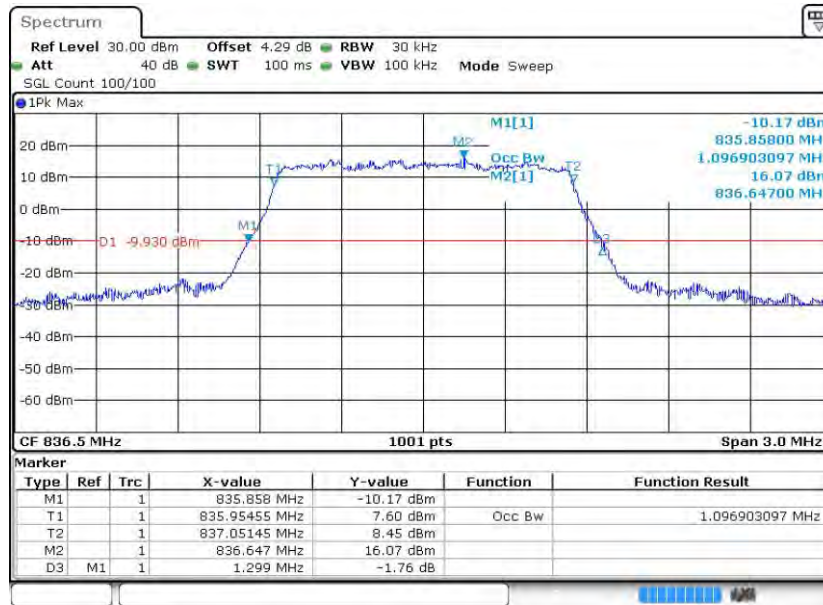
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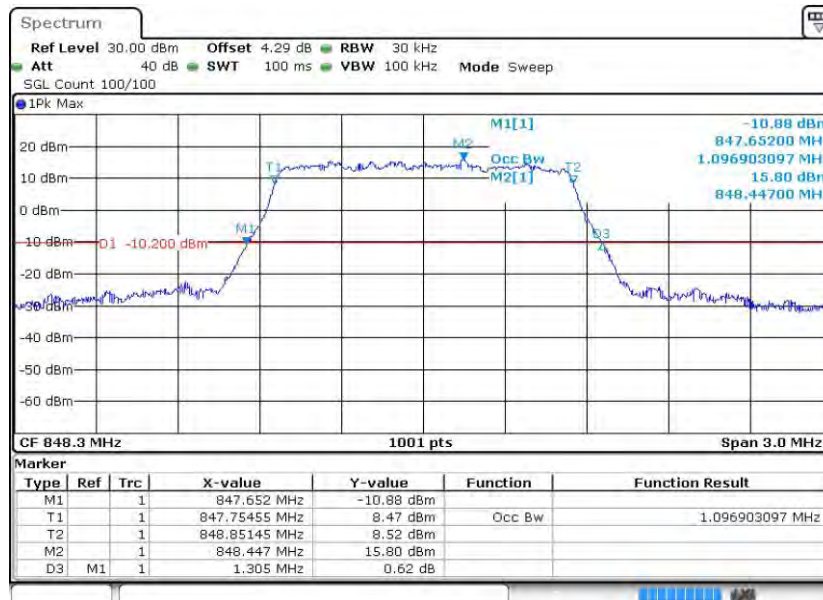
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Band5-1.4MHz-16QAM-20525-6RB#0



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Band5-1.4MHz-16QAM-20643-6RB#0



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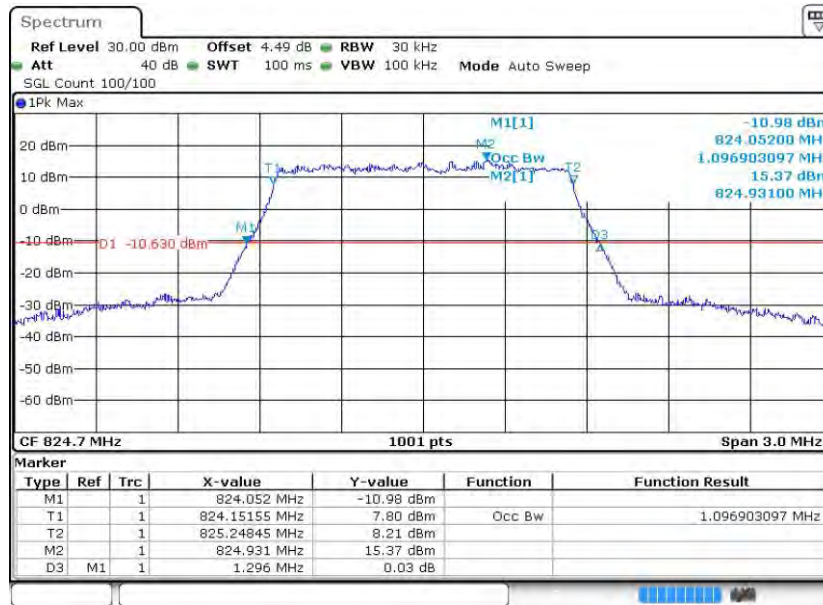
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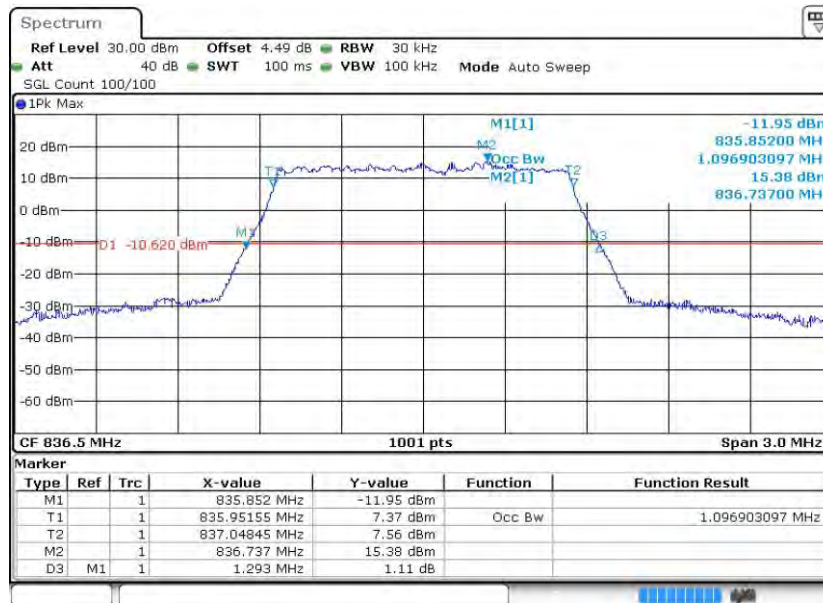
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Band5-1.4MHz-64QAM-20407-6RB#0



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Band5-1.4MHz-64QAM-20525-6RB#0



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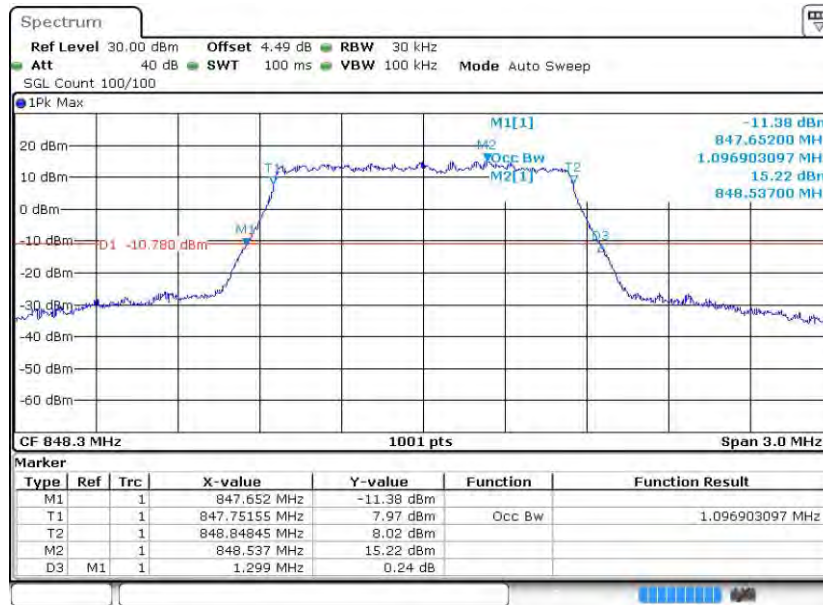
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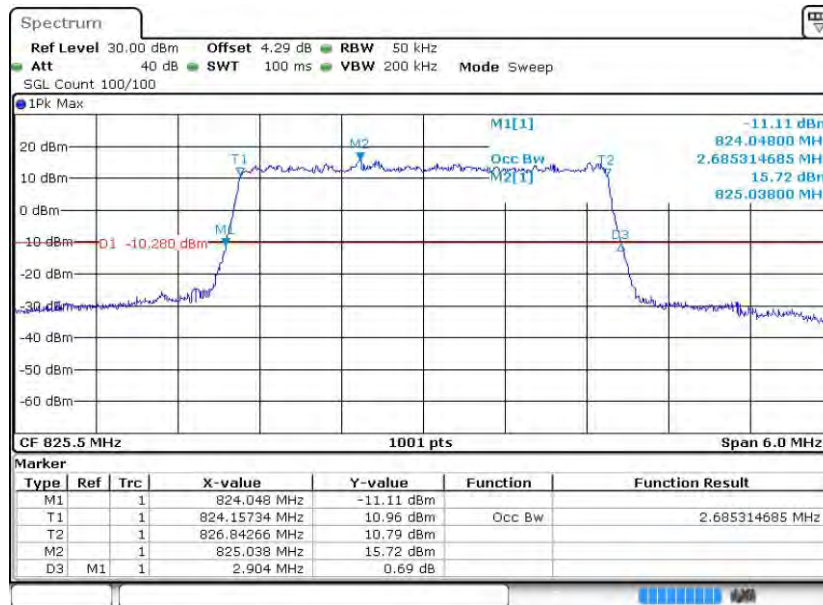
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Band5-3MHz-QPSK-20415-15RB#0



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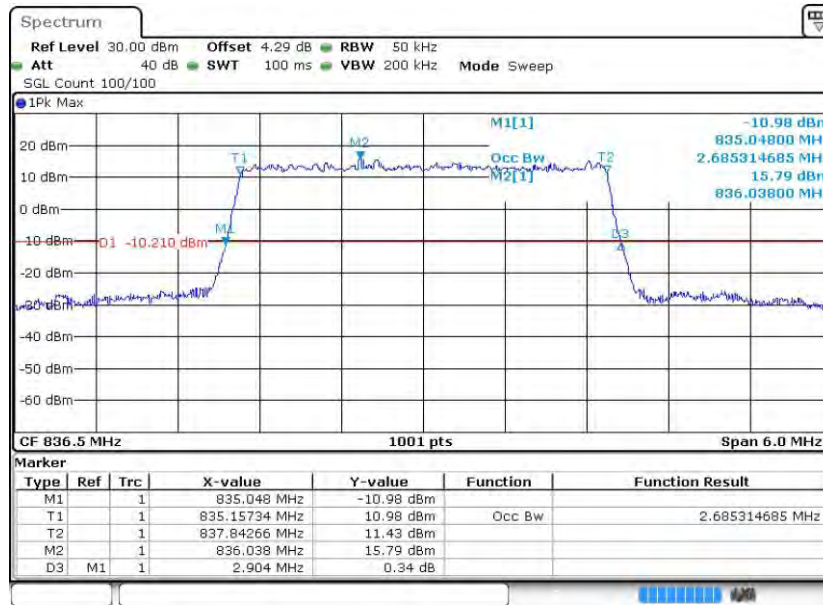
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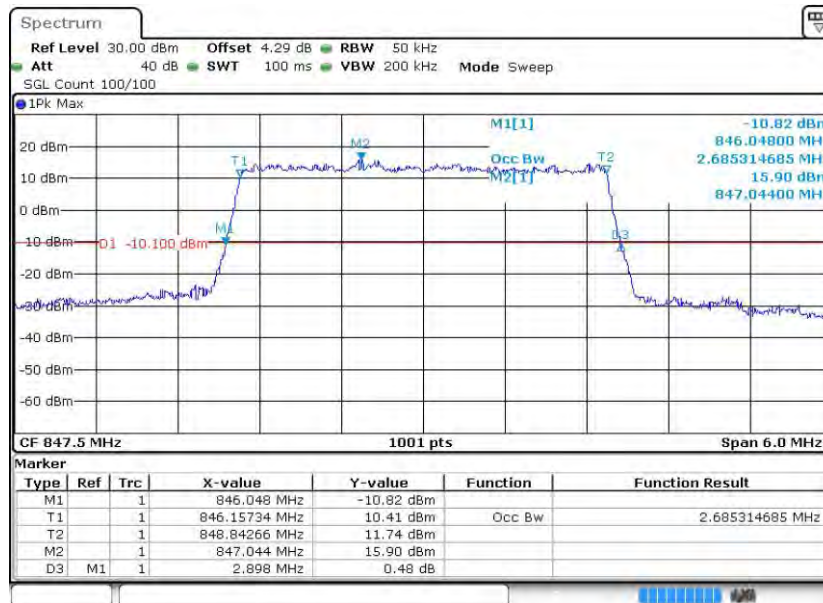
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Band5-3MHz-QPSK-20525-15RB#0



Date: 16 JAN 2024 15:25:25

Band5-3MHz-QPSK-20635-15RB#0



Date: 16 JAN 2024 15:26:11



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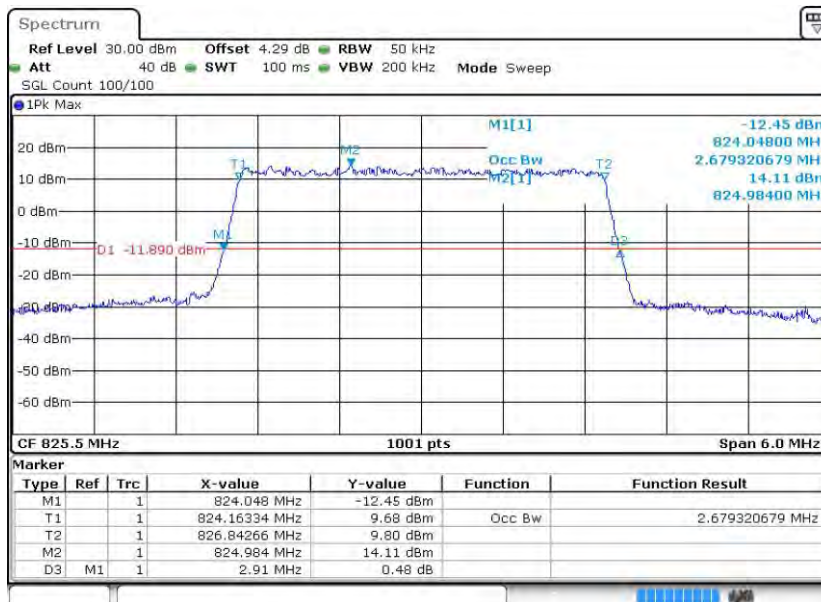
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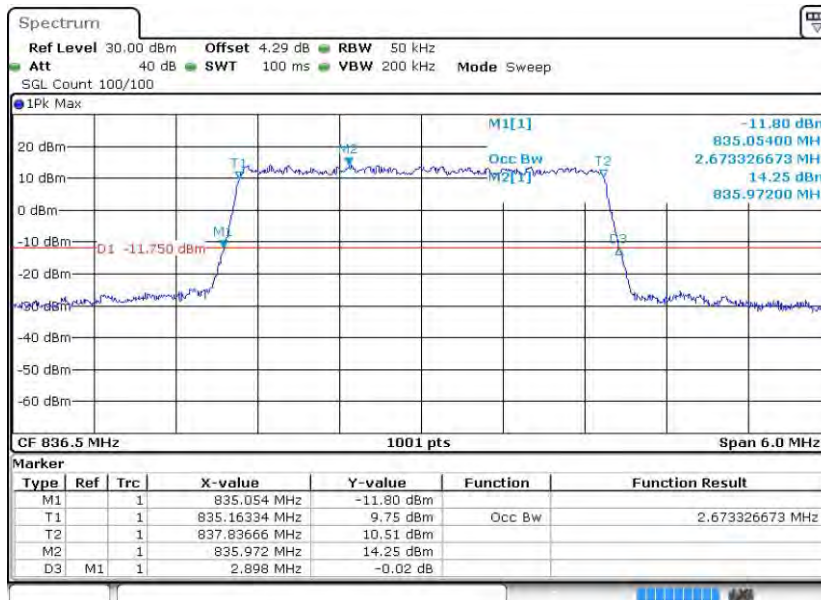
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Date: 16 JAN 2024 15:25:01

Band5-3MHz-16QAM-20525-15RB#0



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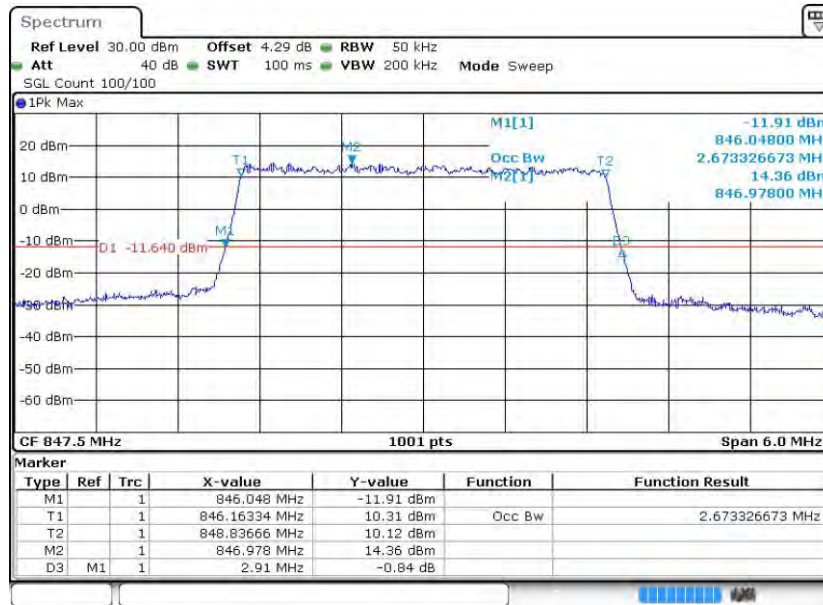
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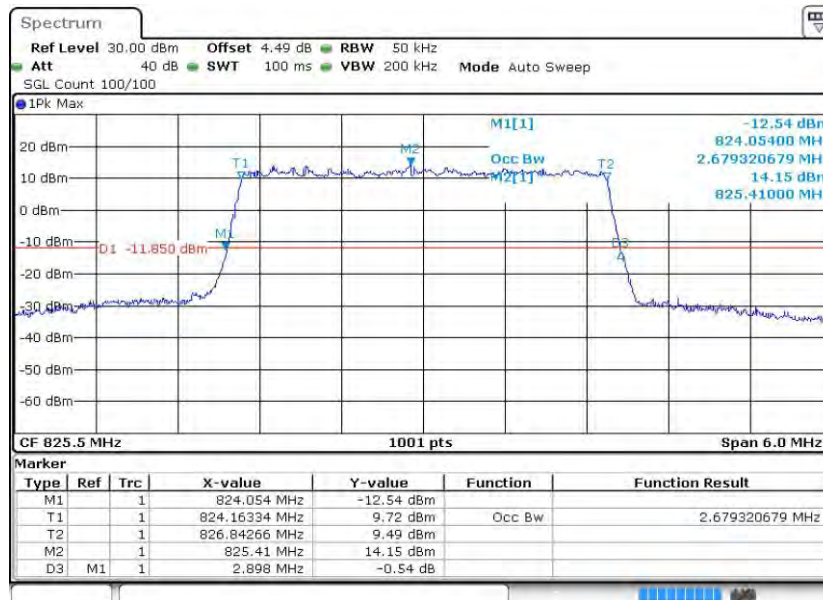
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Date: 16 JAN 2024 15:26:34

Band5-3MHz-64QAM-20415-15RB#0



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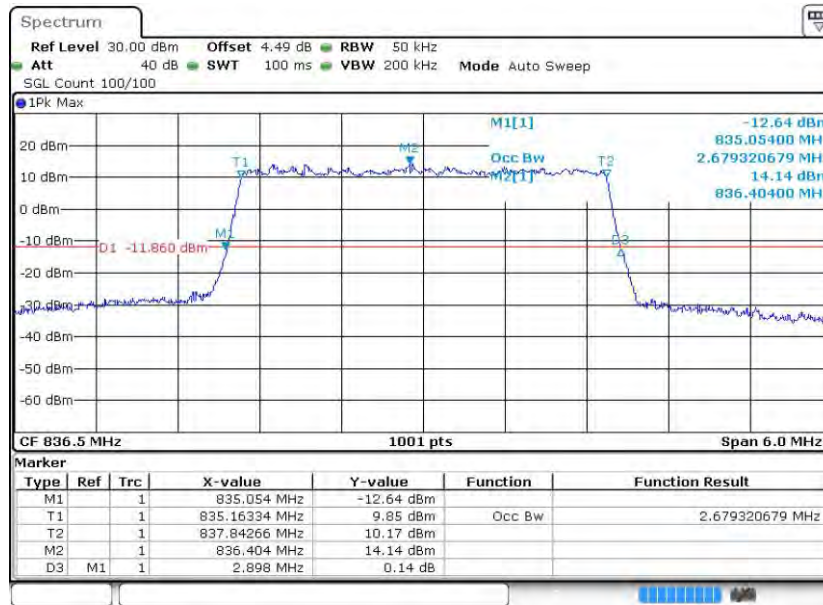
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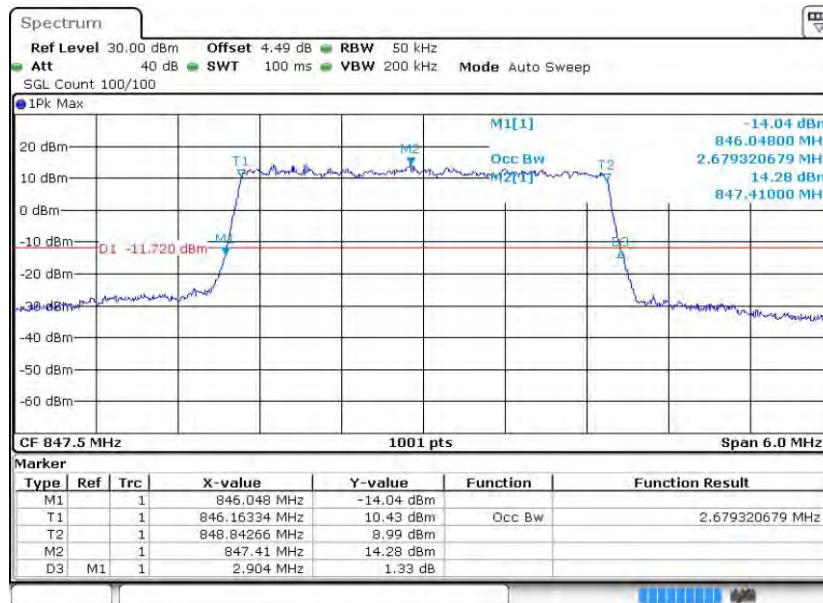
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Date: 25 JAN 2024 15:51:05

Band5-3MHz-64QAM-20635-15RB#0



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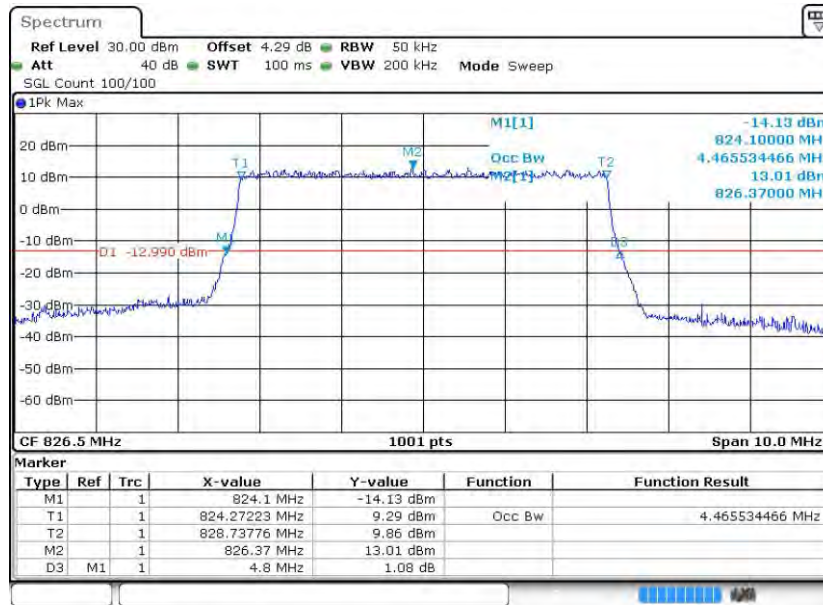
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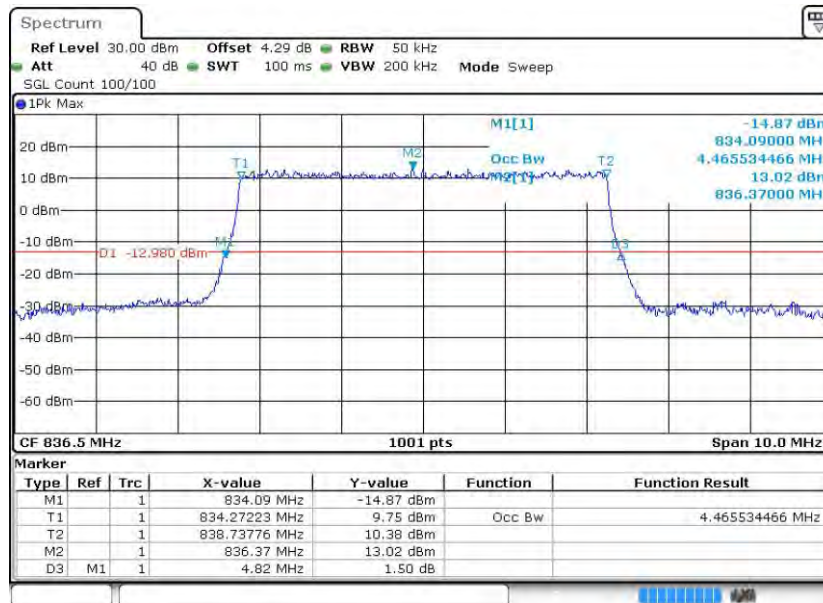
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Date: 16 JAN 2024 15:27:36

Band5-5MHz-QPSK-20525-25RB#0



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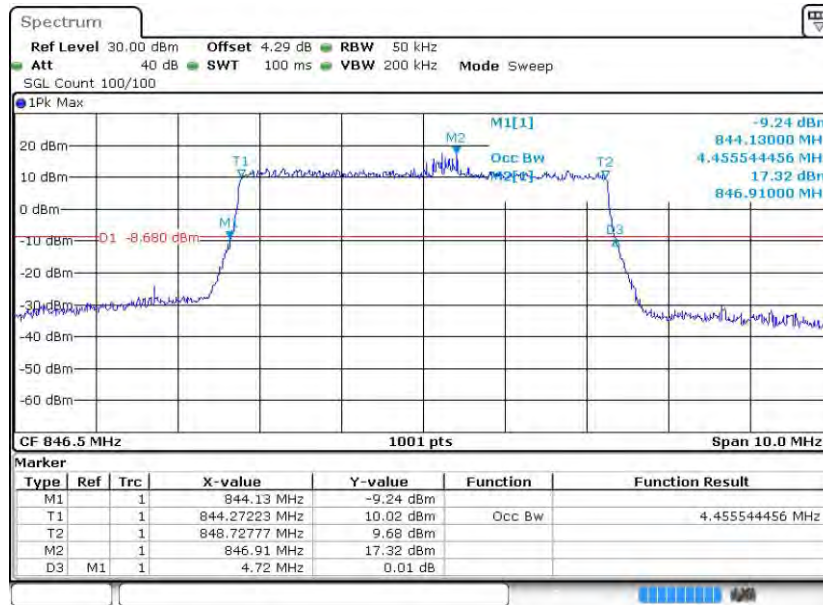
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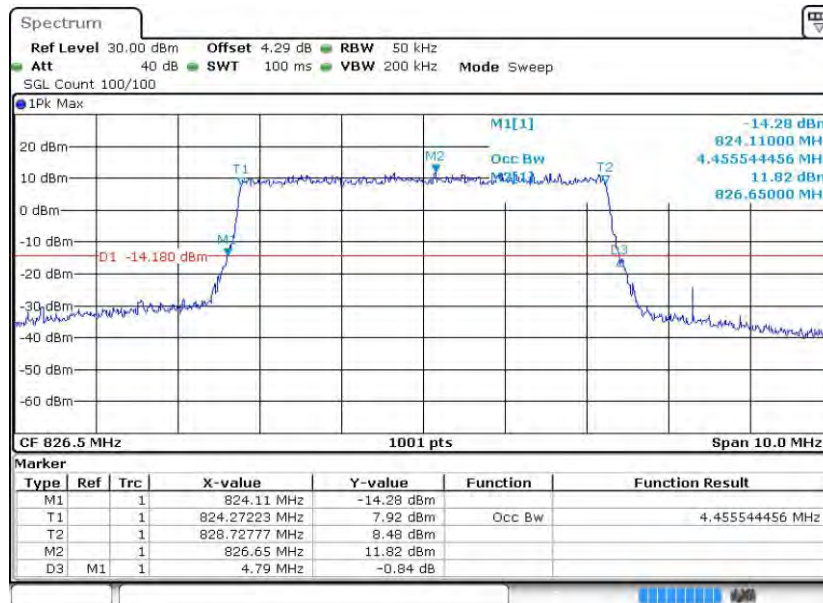
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Band5-5MHz-16QAM-20425-25RB#0



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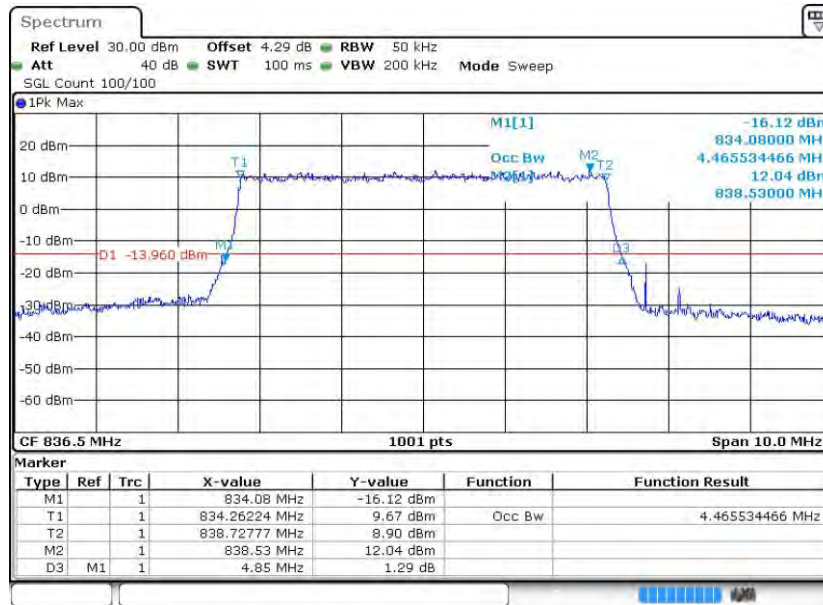
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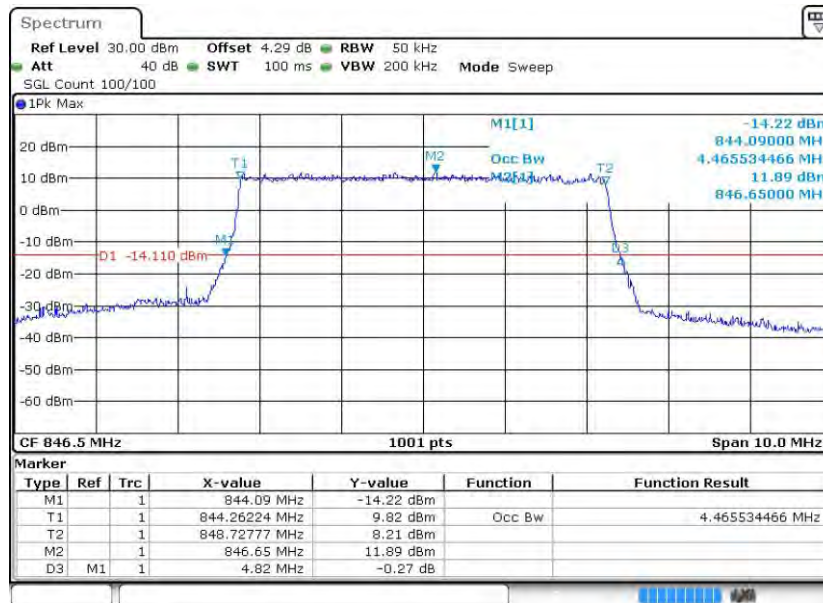
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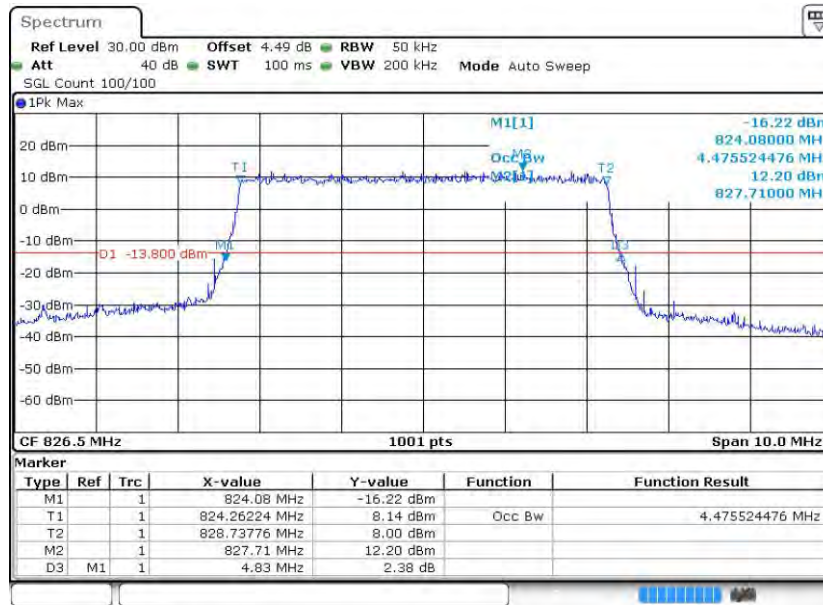
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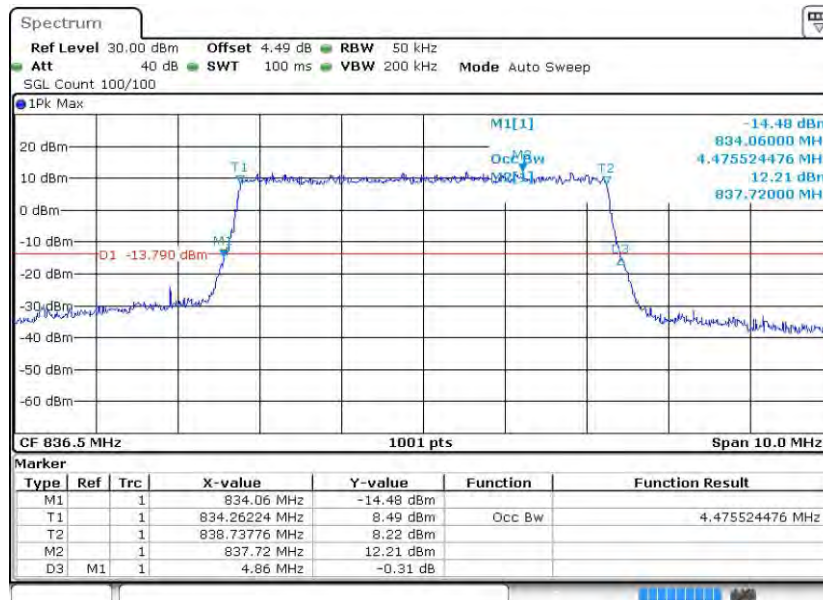
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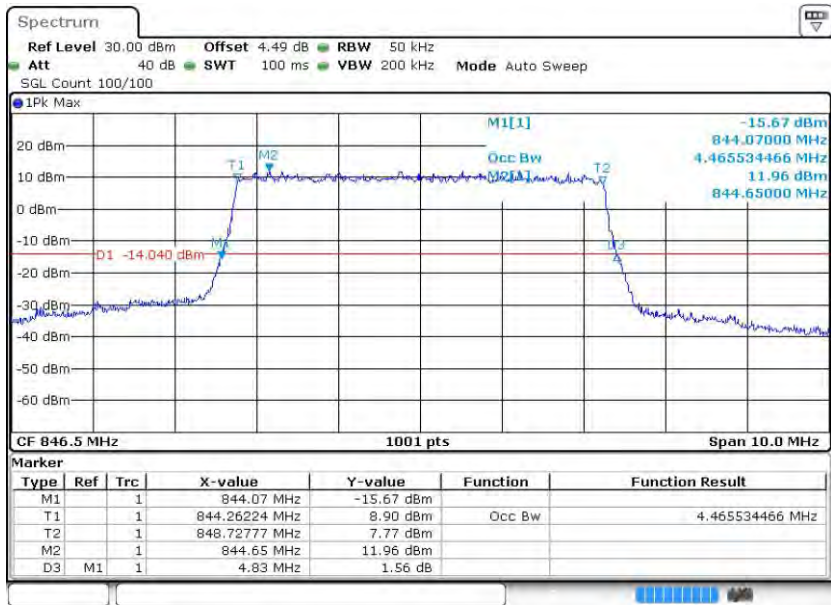
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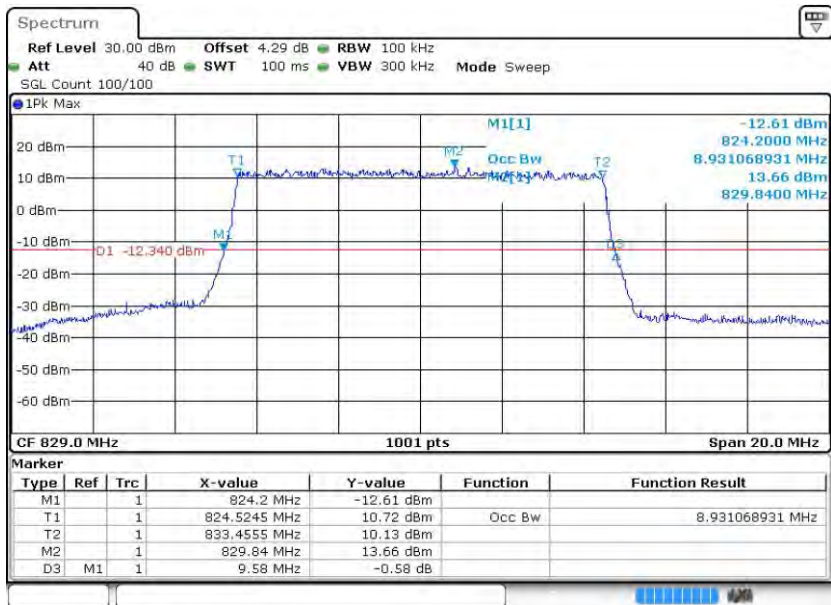
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Band5-10MHz-QPSK-20450-50RB#0



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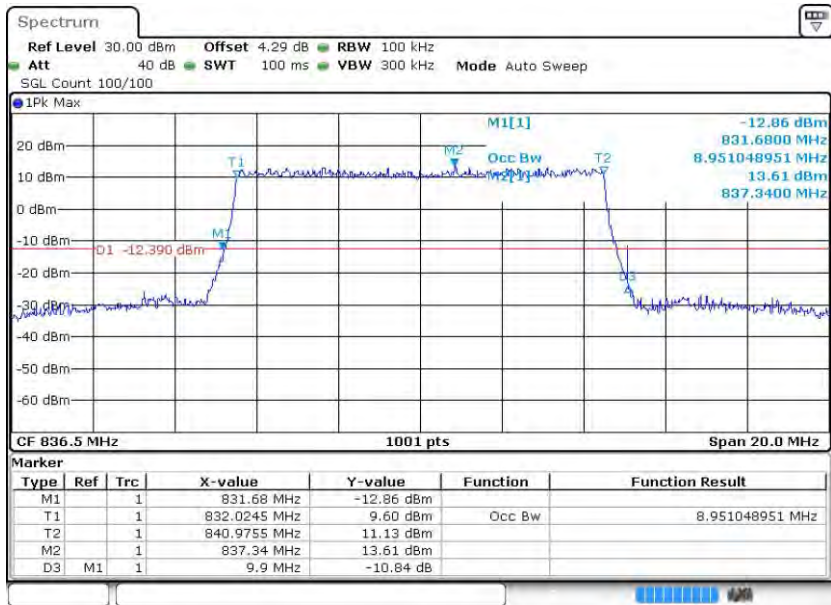
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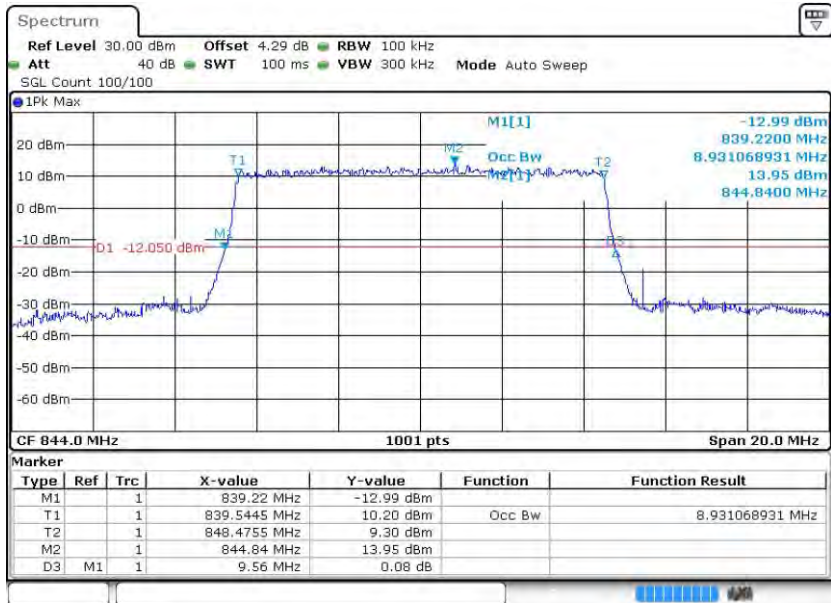
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Band5-10MHz-QPSK-20600-50RB#0



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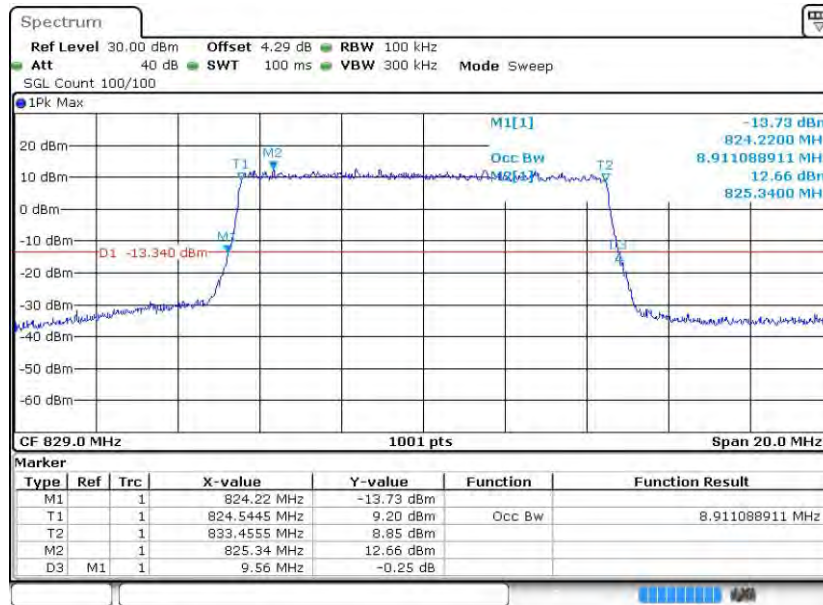
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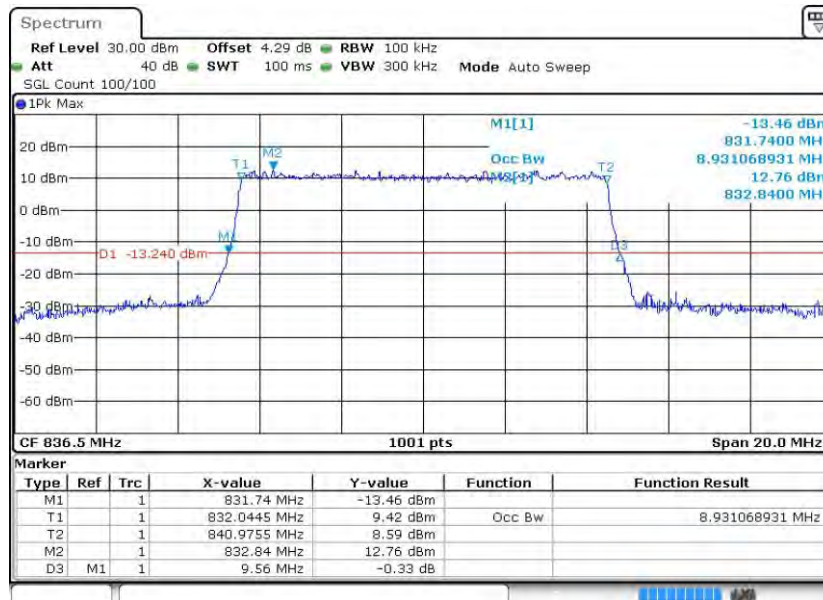
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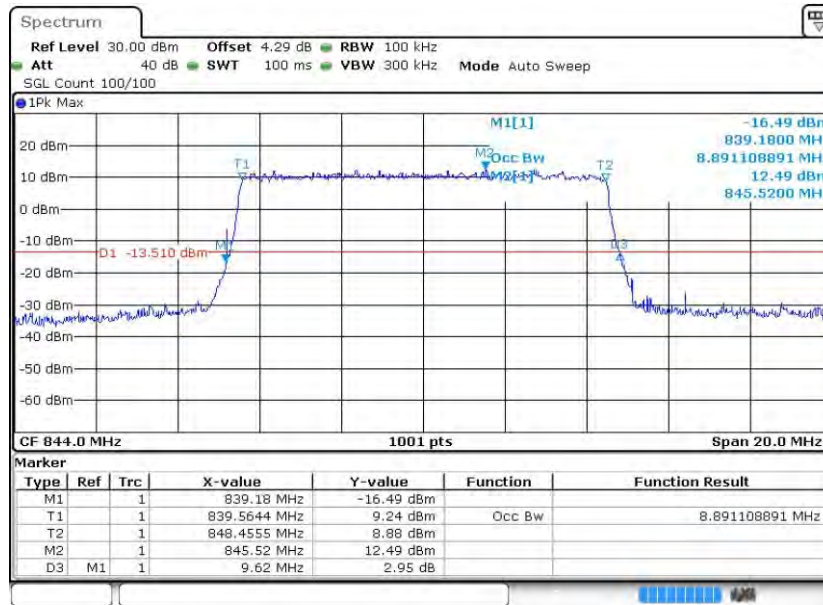
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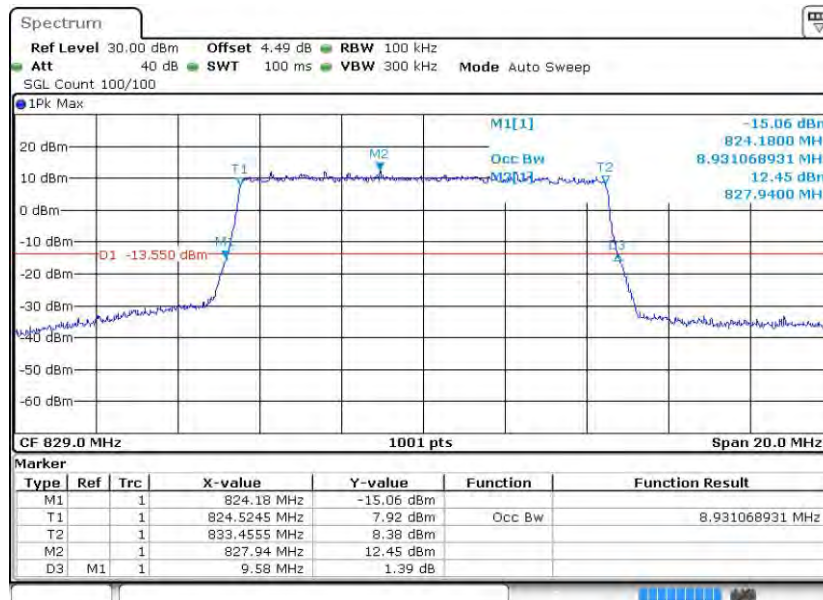
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Band5-10MHz-64QAM-20450-50RB#0



Date: 25 JAN 2024 15:53:58



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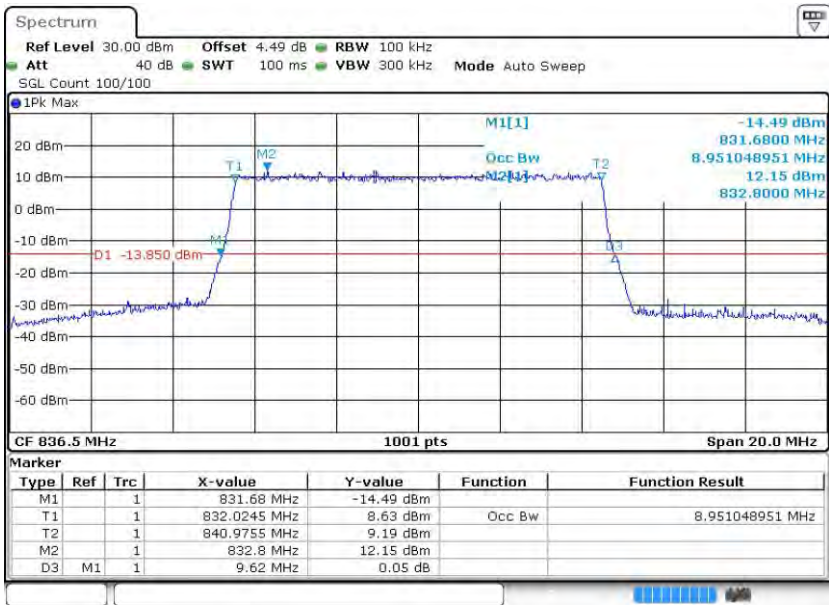
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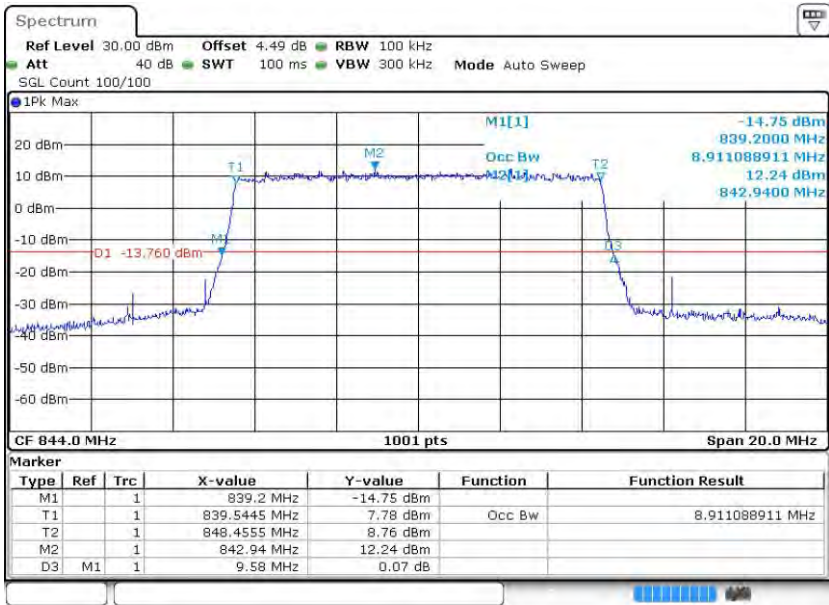
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Band5-10MHz-64QAM-20525-50RB#0



Band5-10MHz-64QAM-20600-50RB#0



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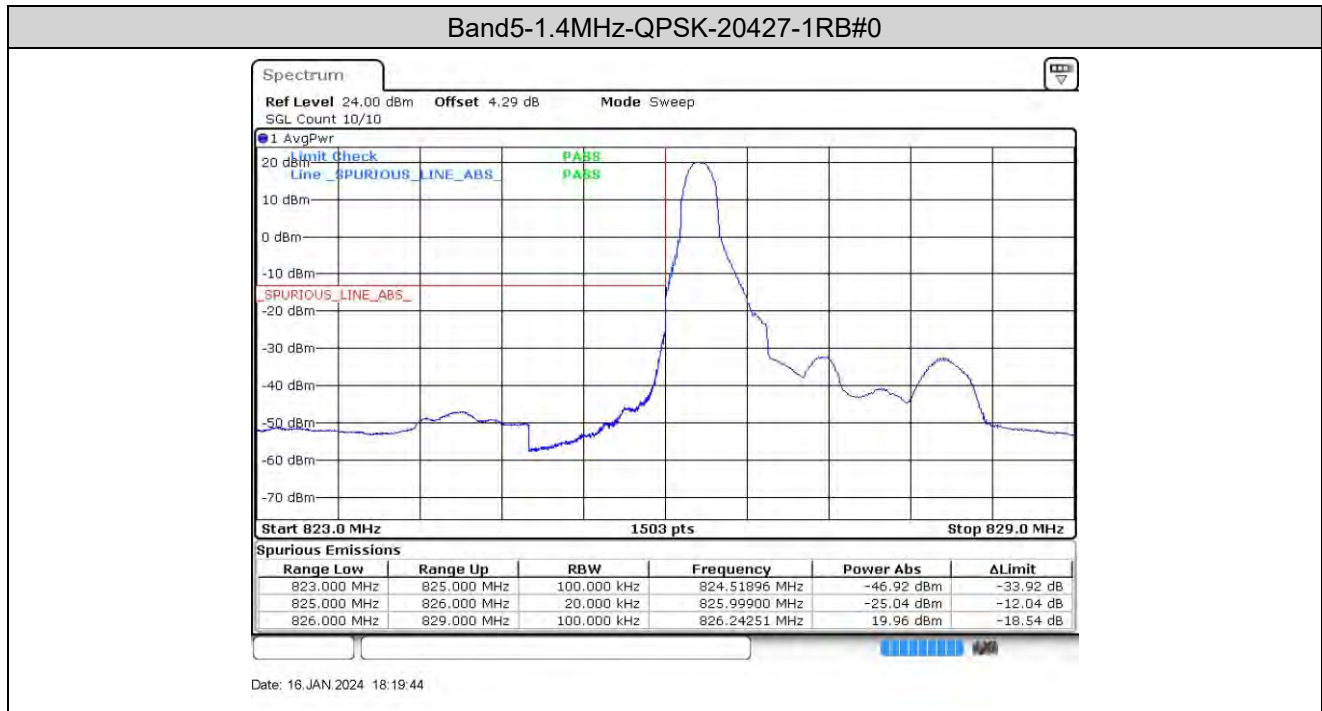


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Band Edge

Test Graphs



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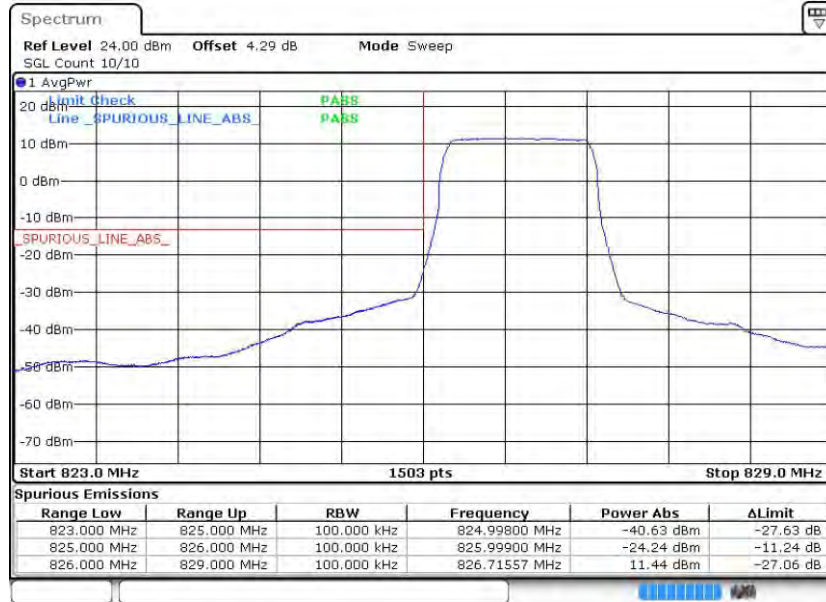
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Band5-1.4MHz-QPSK-20427-6RB#0



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Band5-1.4MHz-QPSK-20643-1RB#5



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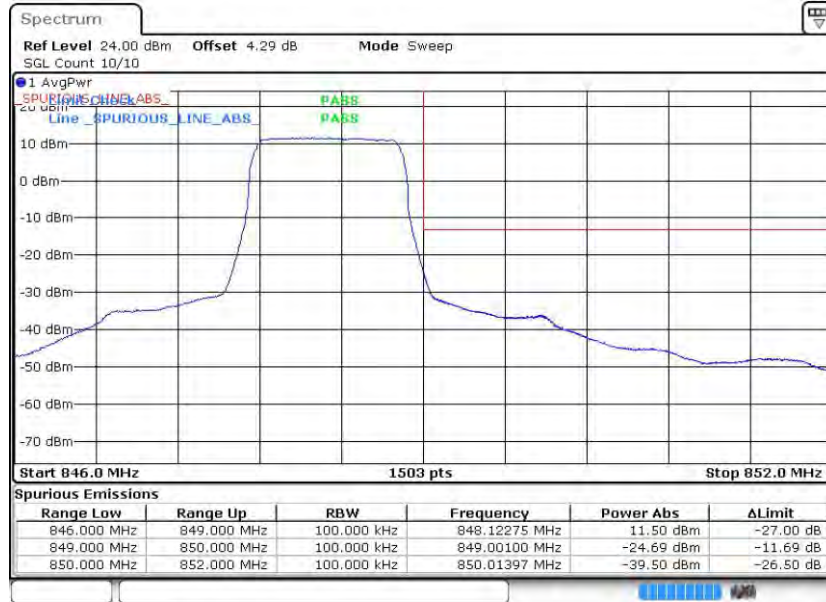
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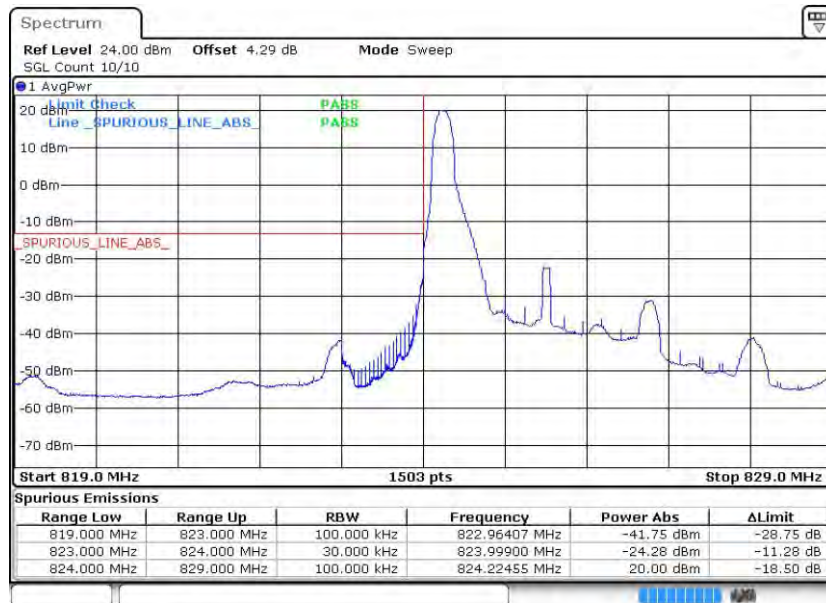
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Band5-3MHz-QPSK-20415-1RB#0



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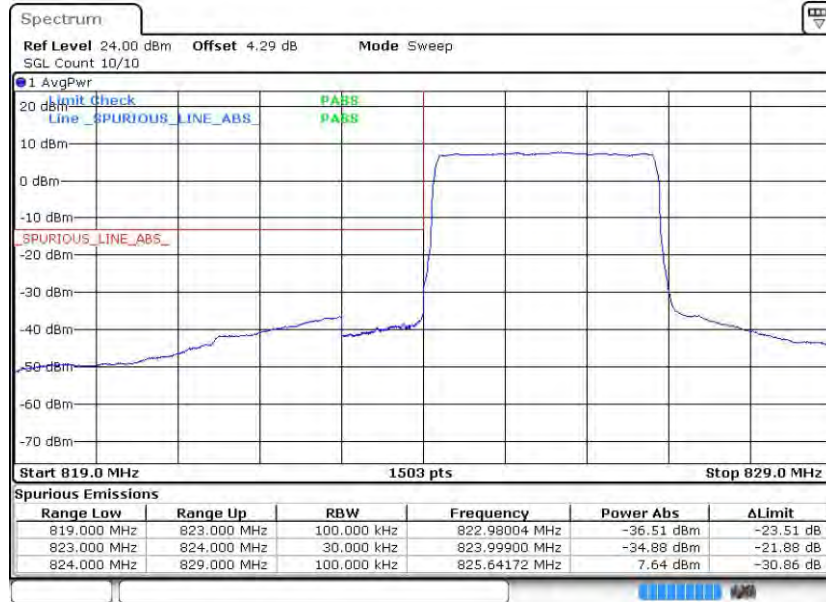
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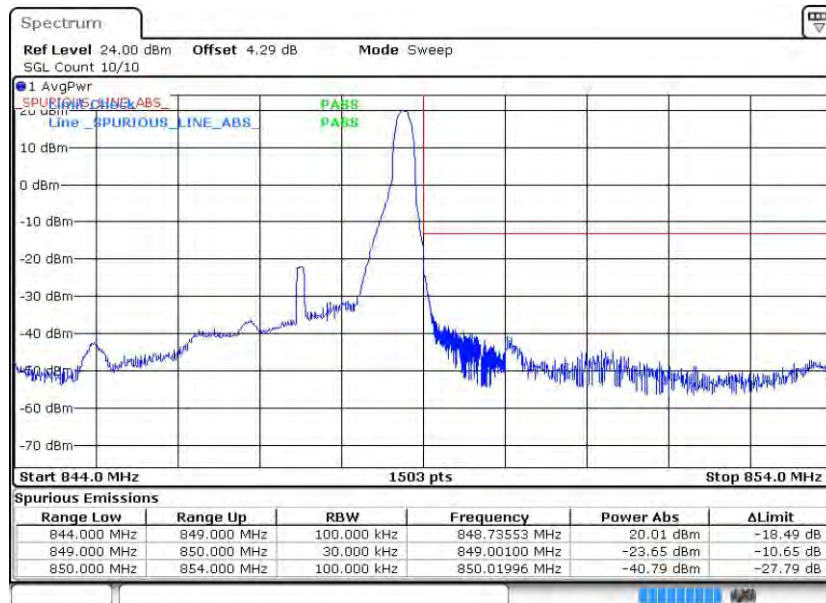
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Band5-3MHz-QPSK-20415-15RB#0



Band5-3MHz-QPSK-20635-1RB#14



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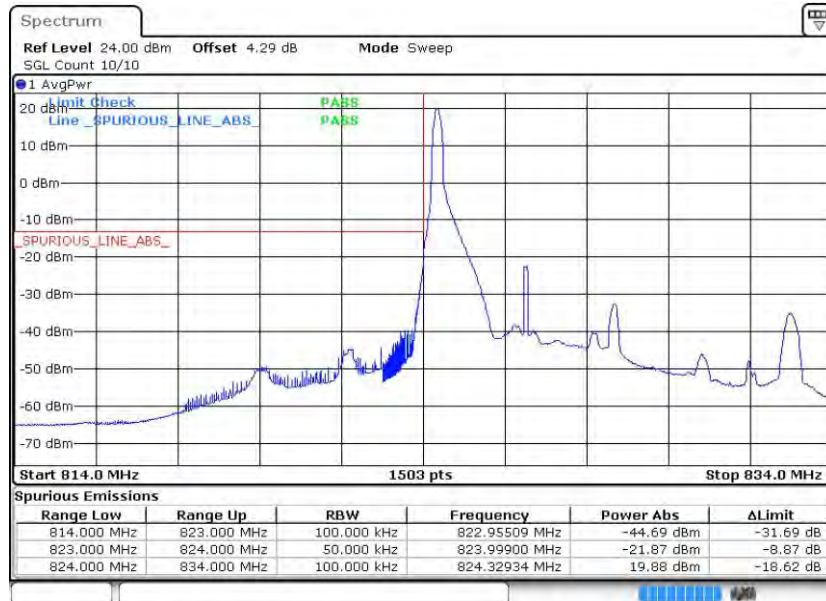
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Band5-3MHz-QPSK-20635-15RB#0



Band5-5MHz-QPSK-20425-1RB#0



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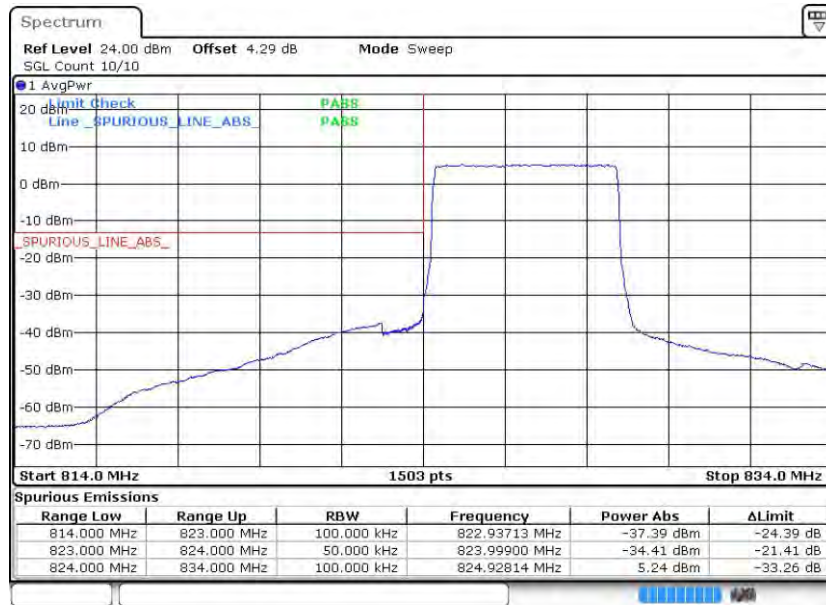
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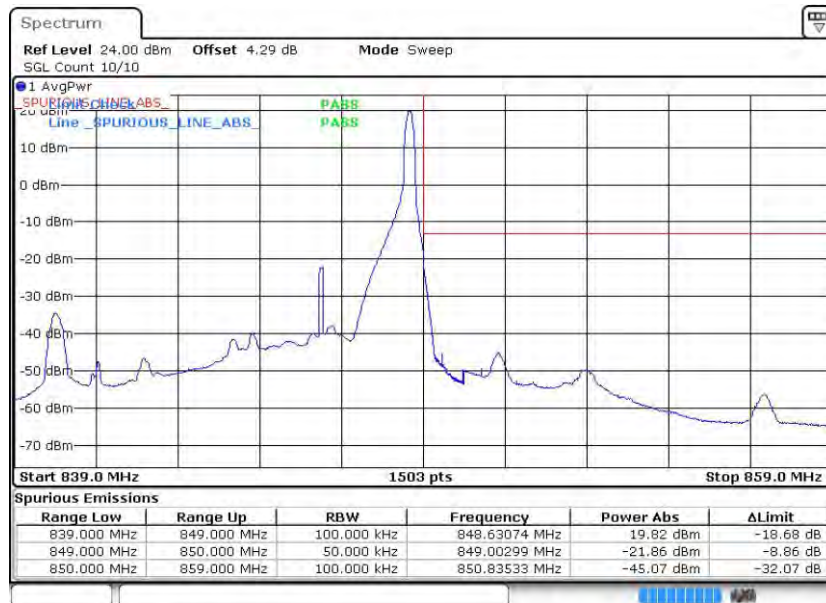
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Band5-5MHz-QPSK-20425-25RB#0



Band5-5MHz-QPSK-20625-1RB#24



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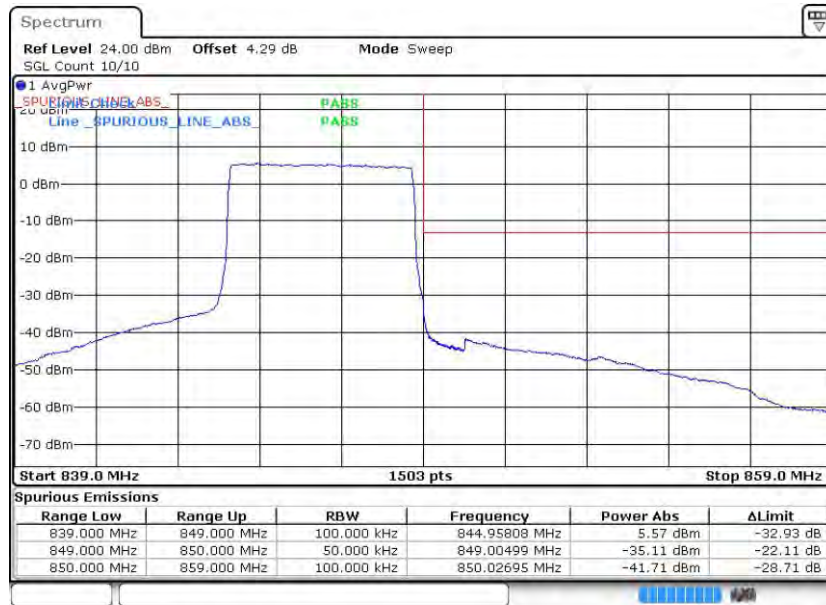
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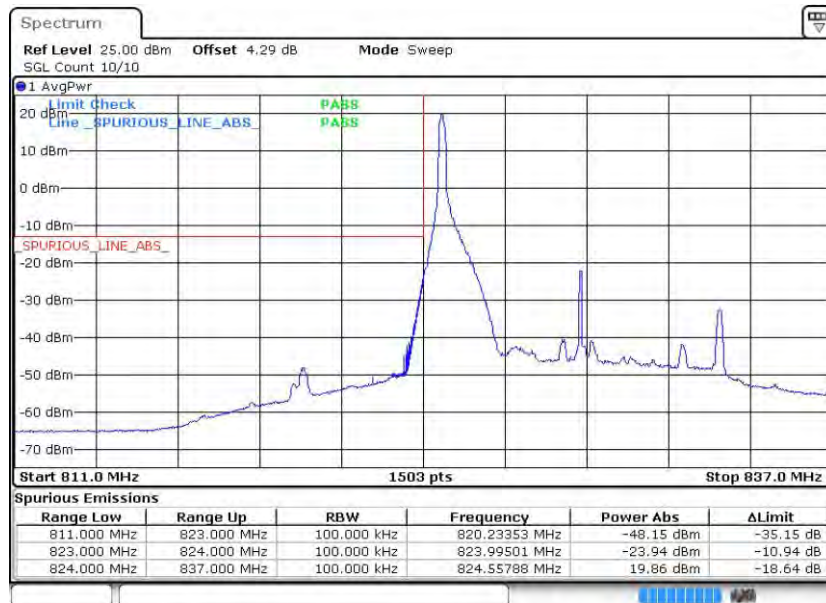
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Band5-5MHz-QPSK-20625-25RB#0



Band5-10MHz-QPSK-20450-1RB#0



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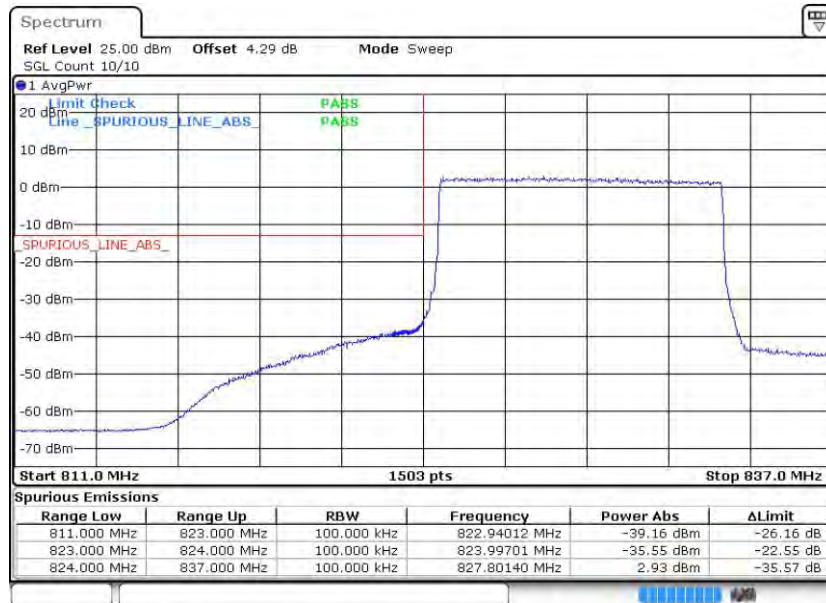
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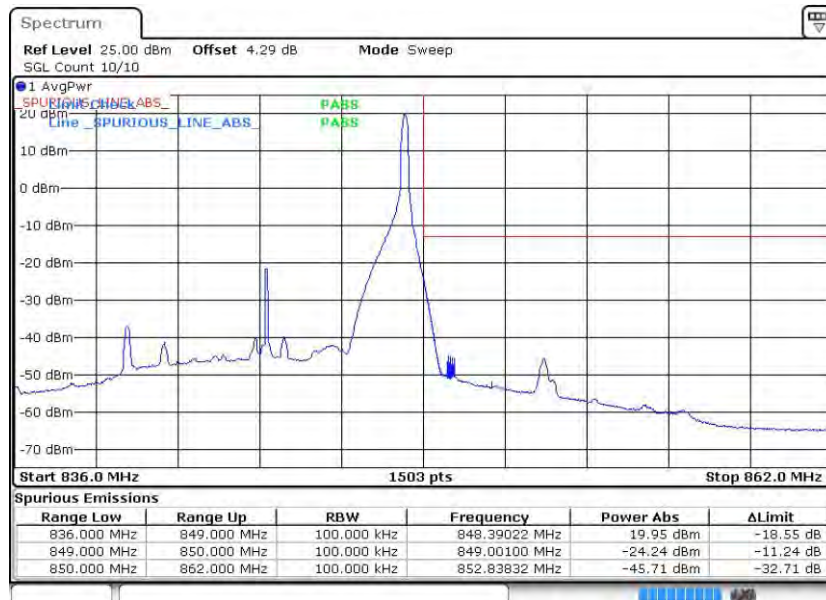
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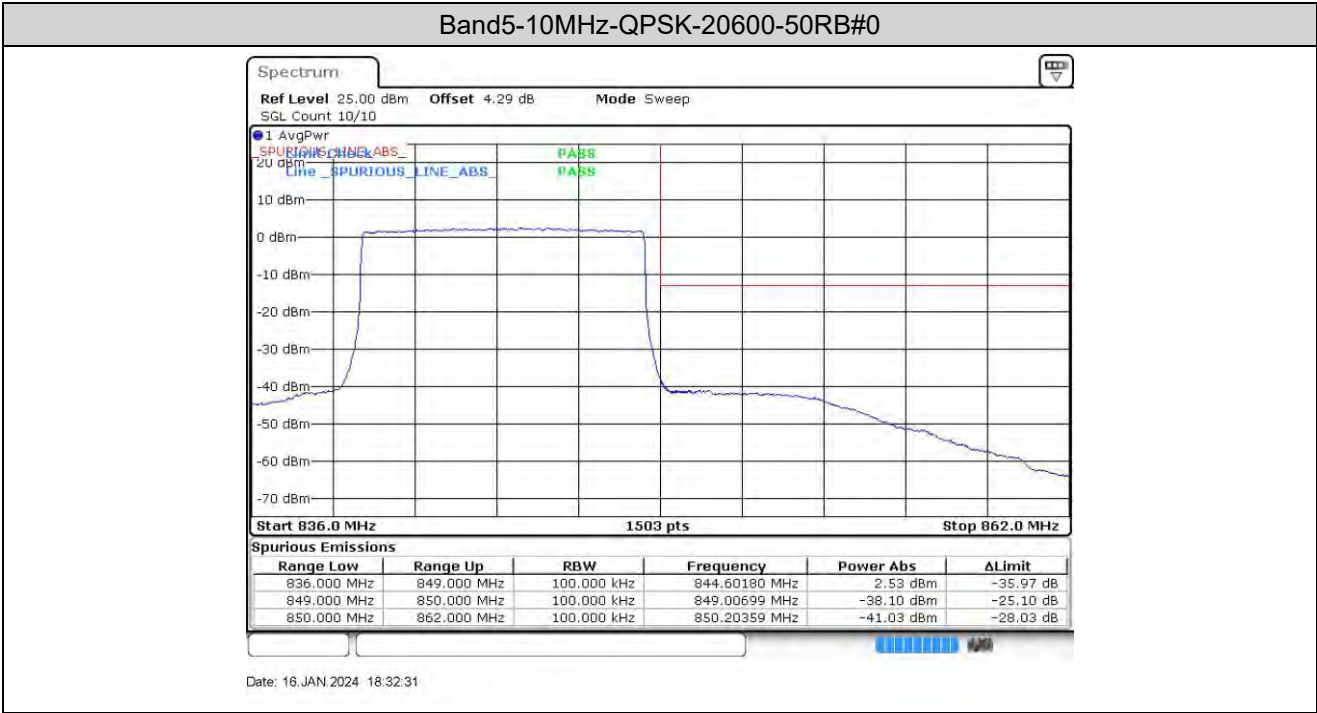
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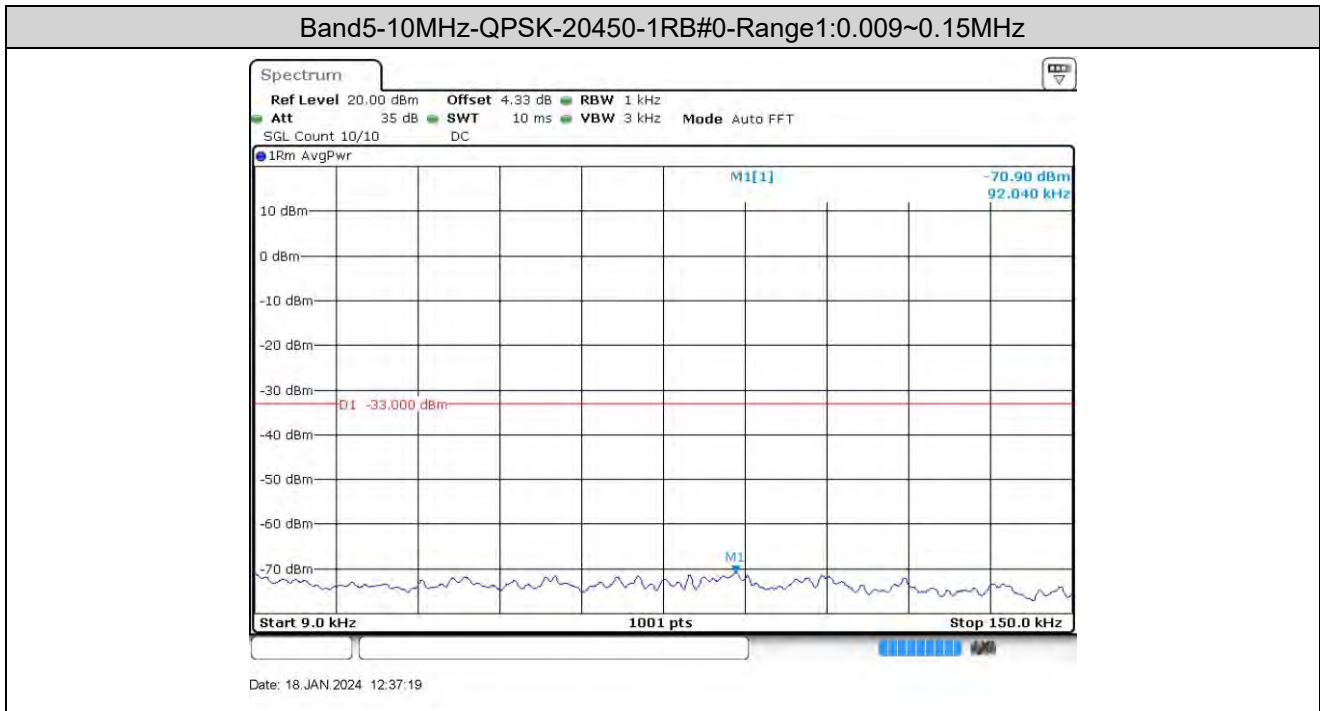


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Conducted Spurious Emission

Test Graphs



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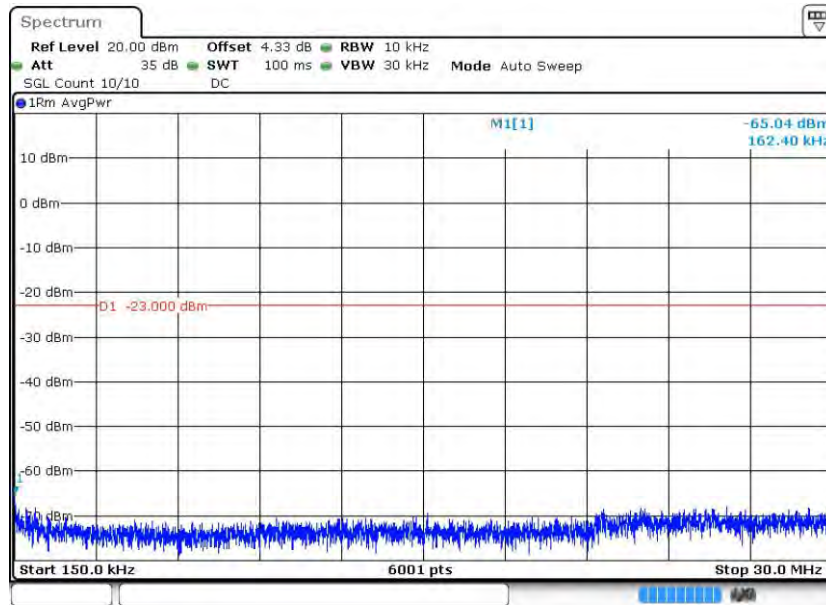
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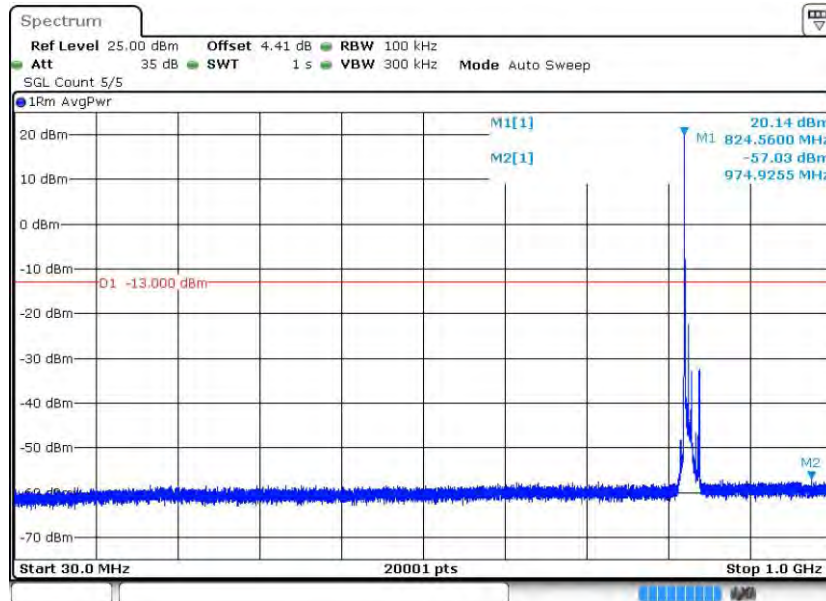
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Band5-10MHz-QPSK-20450-1RB#0-Range2:0.15~30MHz



Date: 18 JAN 2024 12:37:22

Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



Date: 18 JAN 2024 12:37:30



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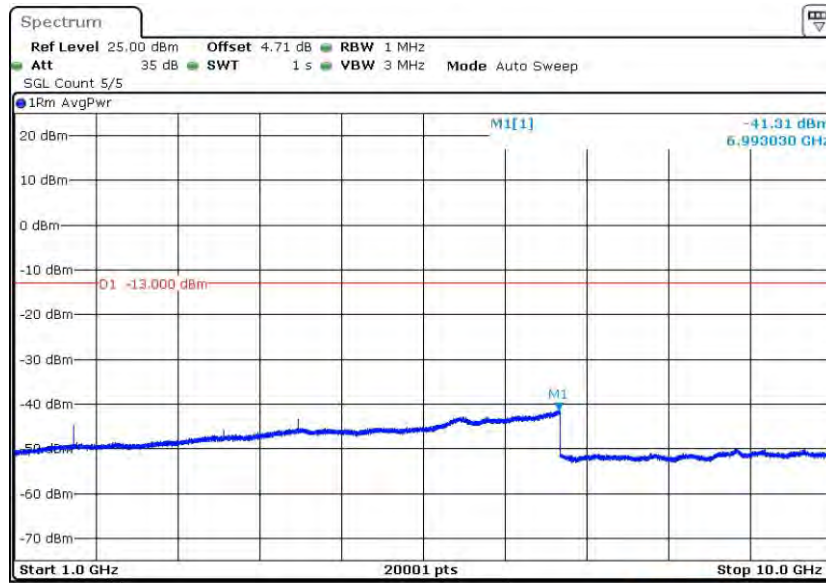
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Band5-10MHz-QPSK-20450-1RB#0-Range4:1000~10000MHz



Date: 18 JAN 2024 12:37:38

Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



Date: 18 JAN 2024 12:40:32



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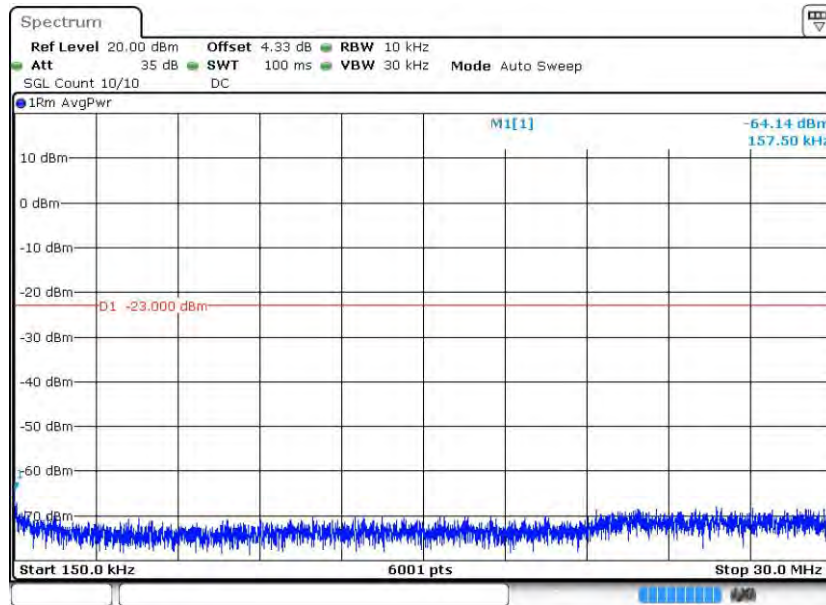
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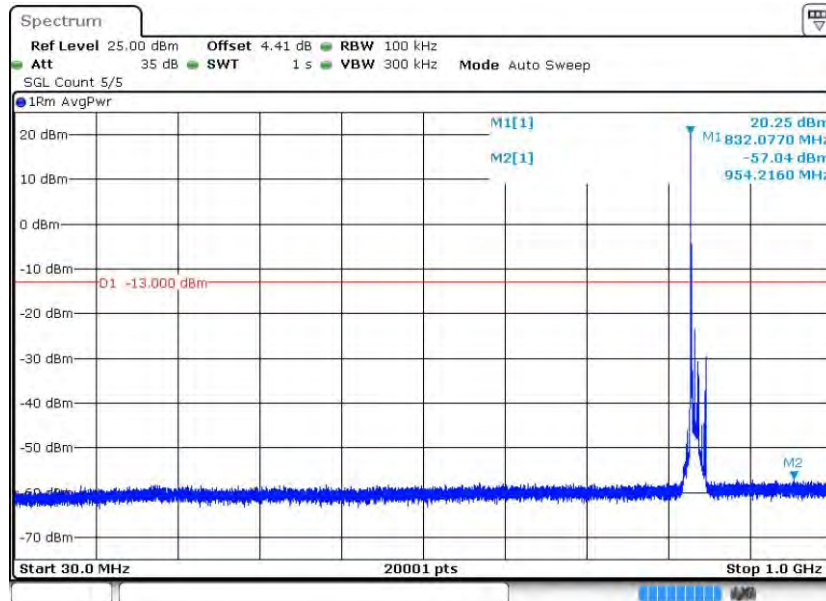
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Band5-10MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



Date: 18 JAN 2024 12:40:36

Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



Date: 18 JAN 2024 12:40:44



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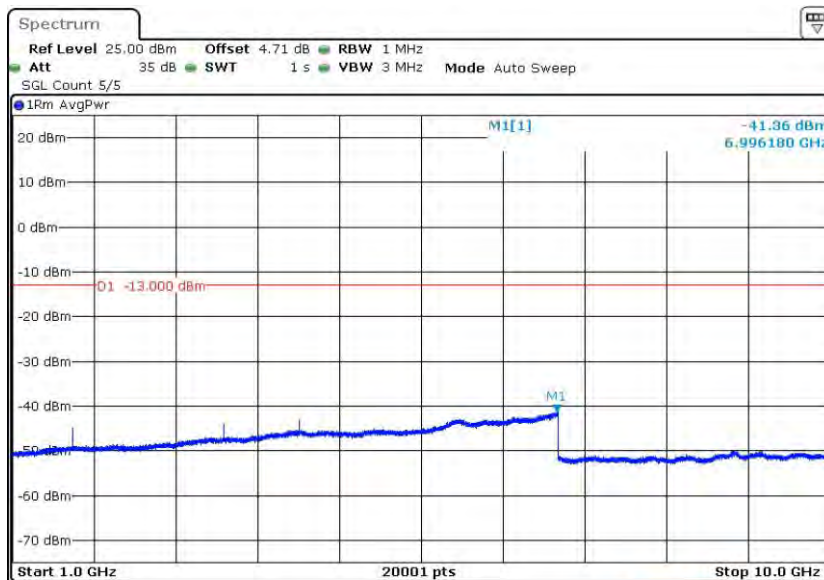
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Band5-10MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



Date: 18 JAN 2024 12:40:51

Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



Date: 18 JAN 2024 12:40:57



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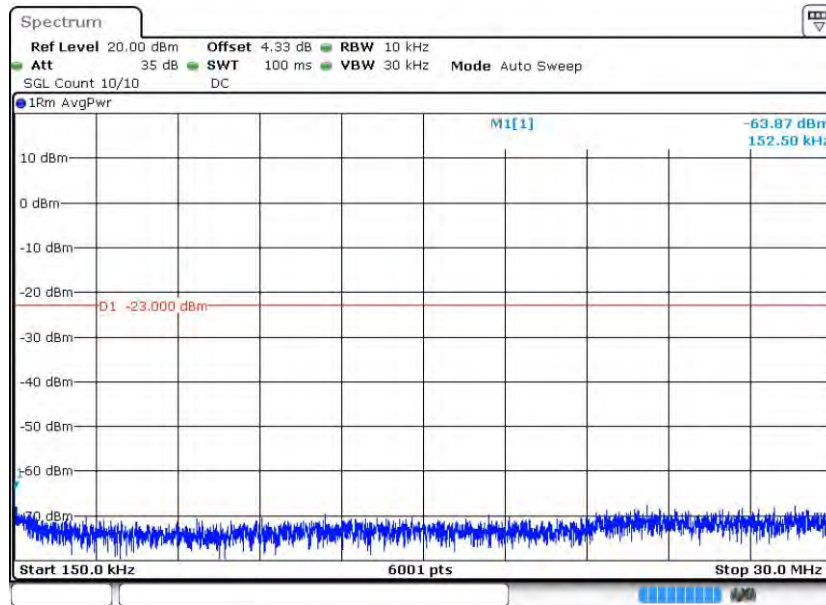
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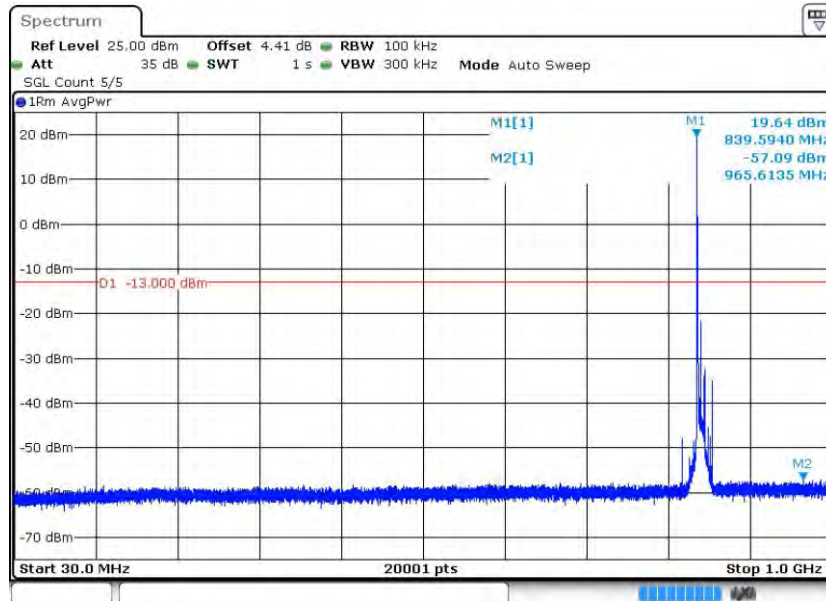
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Band5-10MHz-QPSK-20600-1RB#0-Range2:0.15~30MHz



Date: 18 JAN 2024 12:41:01

Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



Date: 18 JAN 2024 12:41:09



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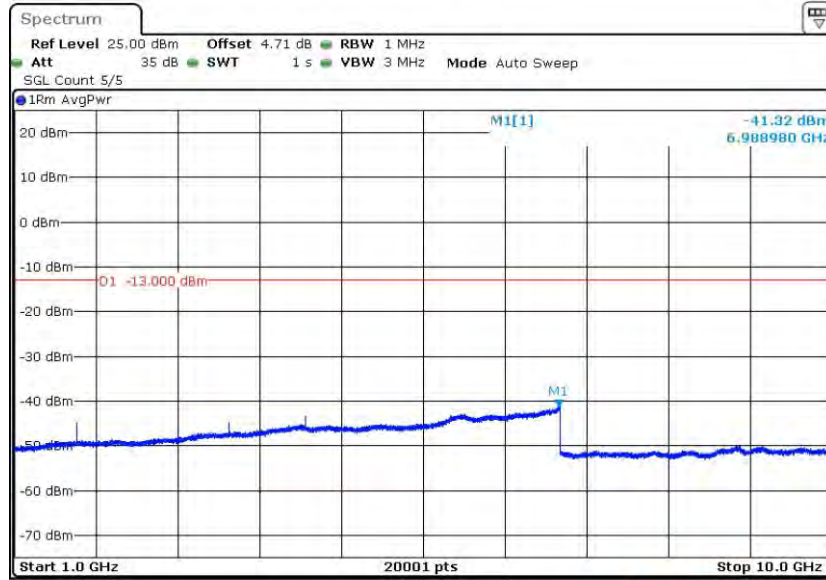
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Band5-10MHz-QPSK-20600-1RB#0-Range4:1000~10000MHz



Date: 18 JAN 2024 12:41:16



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Field Strength of Spurious Radiation

Test Band = B5_ TM1

Test Channel = low channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1648.6	64.17	24.90	-48.85	-55.04	-13.00	42.04	Horizontal
2	2473.45	60.56	27.34	-47.88	-55.24	-13.00	42.24	Horizontal
3	3298.3	61.78	28.66	-47.15	-51.97	-13.00	38.97	Horizontal
4	4122.5625	59.32	29.67	-47.50	-53.77	-13.00	40.77	Horizontal
5	4947.0000	45.02	31.27	-46.98	-65.95	-13.00	52.95	Horizontal
6	5771.5000	44.47	32.49	-46.96	-65.26	-13.00	52.26	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.1875	65.13	24.90	-48.85	-54.08	-13.00	41.08	Vertical
2	2473.45	64.01	27.34	-47.88	-51.79	-13.00	38.79	Vertical
3	3298.3	56.77	28.66	-47.15	-56.98	-13.00	43.98	Vertical
4	4123.15	58.36	29.67	-47.50	-54.73	-13.00	41.73	Vertical
5	4947.0000	44.37	31.27	-46.98	-66.60	-13.00	53.60	Vertical
6	5771.5000	44.43	32.49	-46.96	-65.30	-13.00	52.30	Vertical



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Test Band = B5_ TM1
Test Channel = mid channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1663.875	64.06	24.93	-48.82	-55.09	-13.00	42.09	Horizontal
2	2495.775	67.41	27.39	-47.78	-48.24	-13.00	35.24	Horizontal
3	3328.2625	66.08	28.67	-47.21	-47.72	-13.00	34.72	Horizontal
4	4160.1625	64.95	29.72	-47.32	-47.91	-13.00	34.91	Horizontal
5	4992.0000	45.32	31.38	-46.95	-65.51	-13.00	52.51	Horizontal
6	5824.0000	44.71	32.47	-46.80	-64.88	-13.00	51.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1663.875	67.48	24.93	-48.82	-51.67	-13.00	38.67	Vertical
2	2495.775	66.84	27.39	-47.78	-48.81	-13.00	35.81	Vertical
3	3328.2625	60.71	28.67	-47.21	-53.09	-13.00	40.09	Vertical
4	4160.1625	64.52	29.72	-47.32	-48.34	-13.00	35.34	Vertical
5	4992.0000	45.50	31.38	-46.95	-65.33	-13.00	52.33	Vertical
6	5824.0000	44.69	32.47	-46.80	-64.90	-13.00	51.90	Vertical



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Test Band = B5_ TM1
Test Channel = high channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.15	63.46	24.96	-48.80	-55.64	-13.00	42.64	Horizontal
2	2518.6875	64.80	27.44	-47.82	-50.84	-13.00	37.84	Horizontal
3	3358.225	65.24	28.67	-47.27	-48.62	-13.00	35.62	Horizontal
4	4197.7625	60.98	29.78	-47.13	-51.63	-13.00	38.63	Horizontal
5	5037.0000	45.09	31.49	-46.99	-65.67	-13.00	52.67	Horizontal
6	5876.5000	44.28	32.45	-46.36	-64.89	-13.00	51.89	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.15	63.69	24.96	-48.80	-55.41	-13.00	42.41	Vertical
2	2518.6875	65.84	27.44	-47.82	-49.80	-13.00	36.80	Vertical
3	3358.225	60.85	28.67	-47.27	-53.01	-13.00	40.01	Vertical
4	4197.7625	60.15	29.78	-47.13	-52.46	-13.00	39.46	Vertical
5	5037.0000	44.28	31.49	-46.99	-66.48	-13.00	53.48	Vertical
6	5876.5000	44.38	32.45	-46.36	-64.79	-13.00	51.79	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)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-4.80	-0.005738	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-7.10	-0.008488	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-4.40	-0.005260	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-16.80	-0.020084	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-6.00	-0.007173	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-7.70	-0.009205	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-0.40	-0.000478	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-7.40	-0.008846	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-5.80	-0.006934	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-8.80	-0.010520	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-7.90	-0.009444	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-8.60	-0.010281	±2.5	PASS

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