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# Appendix B.5

## LTE Band 5



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.83	19.80	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.88	19.85	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.83	19.80	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.87	18.84	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.99	19.96	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.11	20.08	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.99	19.96	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.07	19.04	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.91	19.88	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.99	19.96	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.87	19.84	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.01	18.98	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.02	18.99	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.17	19.14	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.15	19.12	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.94	17.91	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.19	19.16	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.37	19.34	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.21	19.18	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.20	18.17	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.18	19.15	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.29	19.26	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.19	19.16	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.12	18.09	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	22.04	18.01	38.45	PASS



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Band5	1.4MHz	64QAM	20407	1RB#2	22.09	18.06	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.02	17.99	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	21.00	16.97	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.25	18.22	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.32	18.29	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.22	18.19	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	21.14	17.11	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.10	18.07	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	22.22	18.19	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	22.10	18.07	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	21.12	17.09	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.84	19.81	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.84	19.81	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.86	19.83	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.84	18.81	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.99	19.96	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.03	20.00	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.05	20.02	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.08	19.05	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.99	19.96	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.97	19.94	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.97	19.94	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.01	18.98	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.18	19.15	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.16	19.13	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.08	19.05	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.87	17.84	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.26	19.23	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.32	19.29	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.30	19.27	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.10	18.07	38.45	PASS



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Band5	3MHz	16QAM	20635	1RB#0	23.24	19.21	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.19	19.16	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.17	19.14	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.04	18.01	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.00	17.97	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	22.15	18.12	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	22.09	18.06	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.92	16.89	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.22	18.19	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	22.20	18.17	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	22.33	18.30	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	21.15	17.12	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.23	18.20	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	22.19	18.16	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	22.18	18.15	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	21.12	17.09	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.73	19.70	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.00	19.97	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.76	19.73	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.88	18.85	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.88	19.85	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.23	20.20	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.96	19.93	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.07	19.04	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.94	19.91	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.13	20.10	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.83	19.80	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.02	18.99	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.06	19.03	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.15	19.12	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.96	18.93	38.45	PASS



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Band5	5MHz	16QAM	20425	25RB#0	21.91	17.88	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.17	19.14	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.46	19.43	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.28	19.25	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.10	18.07	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.23	19.20	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.43	19.40	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.01	18.98	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.06	18.03	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.95	17.92	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.25	18.22	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.99	17.96	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.99	16.96	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.11	18.08	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	22.50	18.47	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	22.19	18.16	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	21.18	17.15	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	22.12	18.09	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.31	18.28	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	22.06	18.03	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	21.14	17.11	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.81	19.78	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.96	19.93	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.91	19.88	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.93	18.90	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.90	19.87	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.14	20.11	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.05	20.02	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.10	19.07	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.96	19.93	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.11	20.08	38.45	PASS



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Band5	10MHz	QPSK	20600	50RB#0	23.08	19.05	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.12	19.09	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.15	19.12	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.25	19.22	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.96	17.93	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.12	19.09	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.36	19.33	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.39	19.36	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.13	18.10	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.28	19.25	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.42	19.39	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.12	19.09	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.09	18.06	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.94	17.91	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.18	18.15	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.09	18.06	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	21.03	17.00	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.09	18.06	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.35	18.32	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	22.22	18.19	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	21.20	17.17	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	22.17	18.14	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	22.32	18.29	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	22.14	18.11	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	21.17	17.14	38.45	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

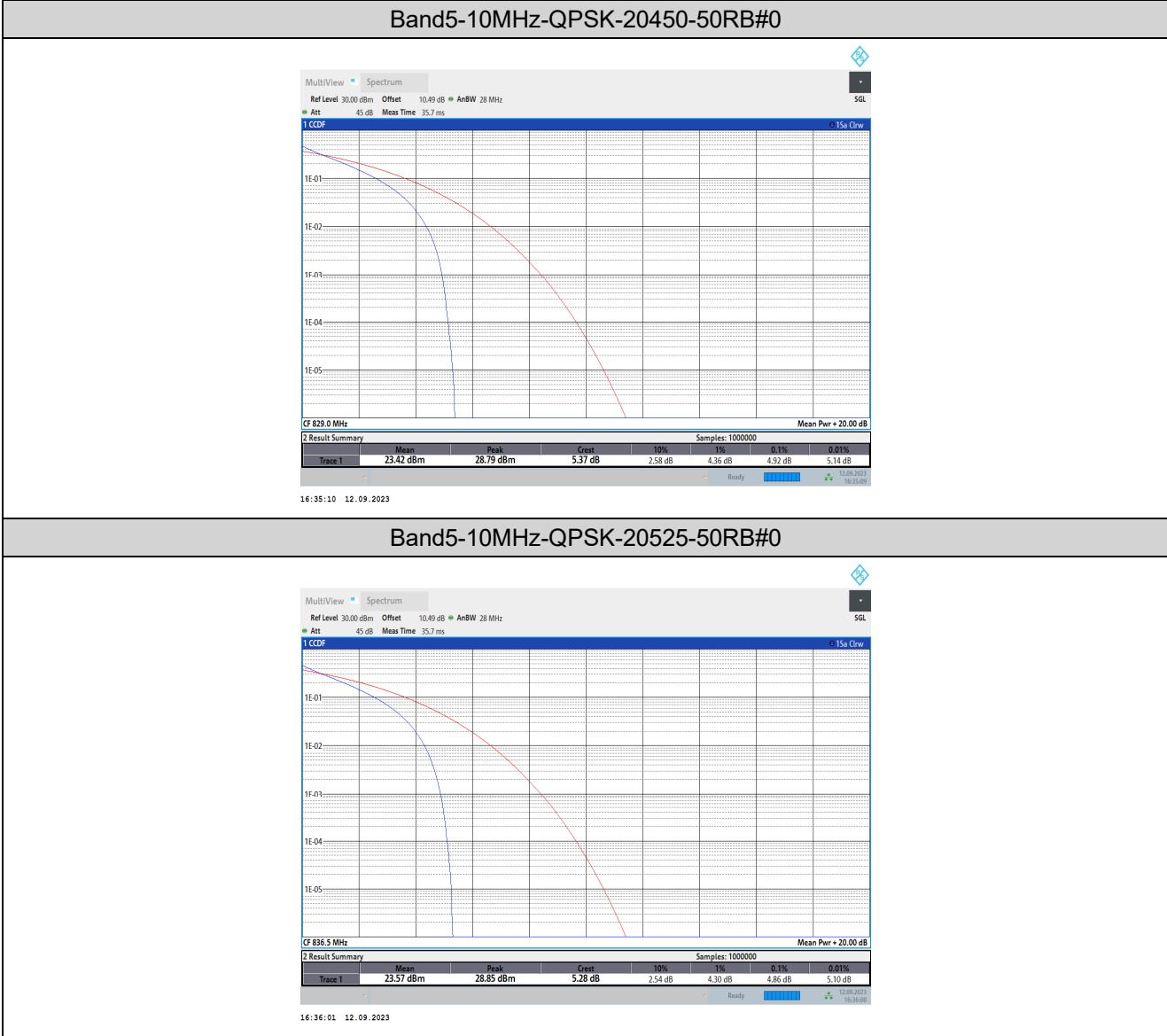
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	4.92	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.86	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.32	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.80	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.76	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.06	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.40	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.38	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.56	13	PASS



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Test Graphs



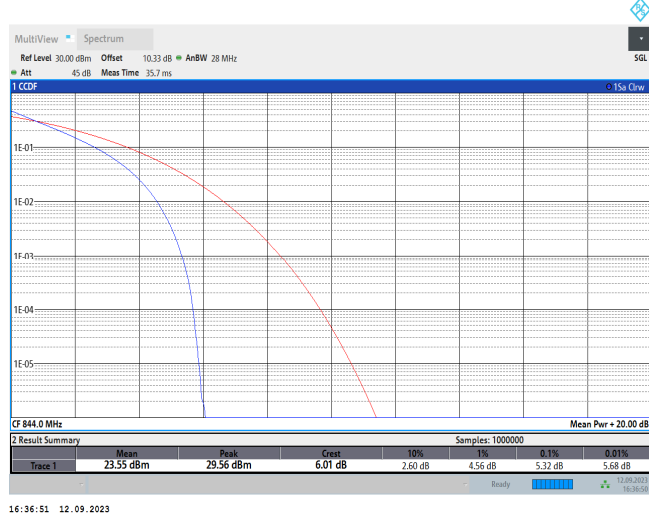
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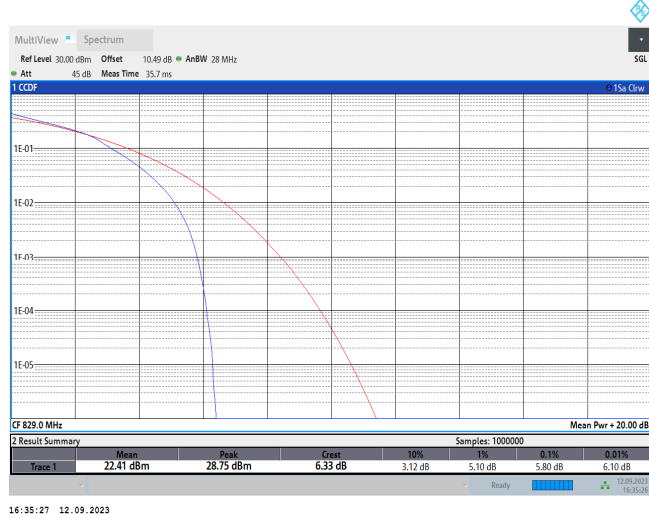
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Band5-10MHz-QPSK-20600-50RB#0



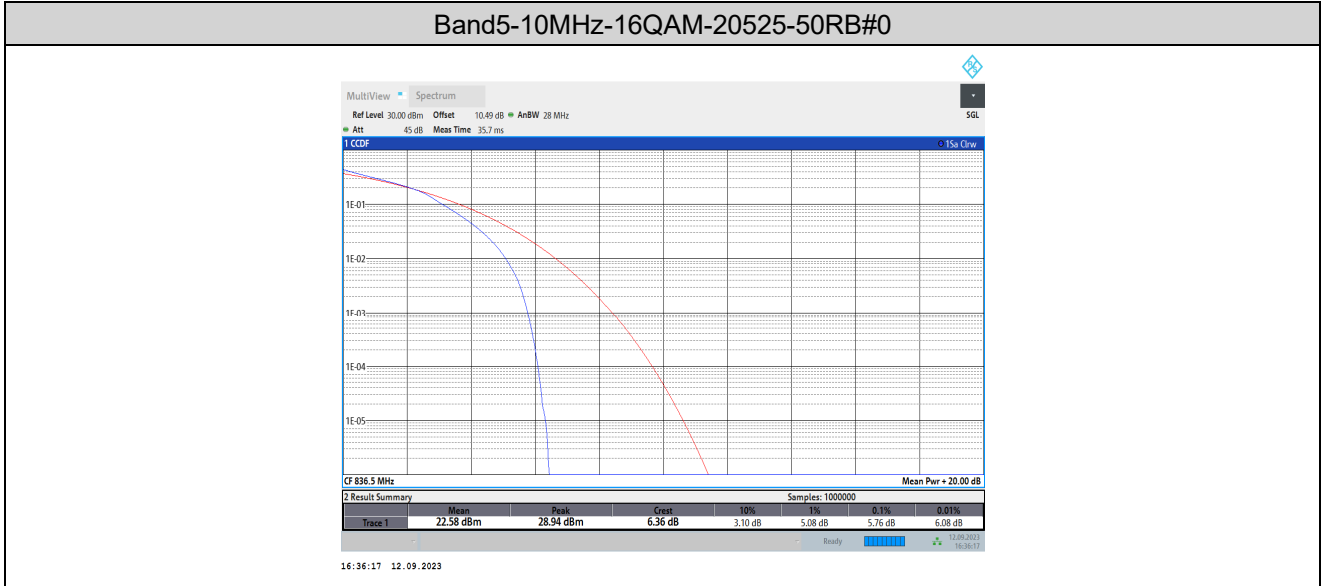
Band5-10MHz-16QAM-20450-50RB#0



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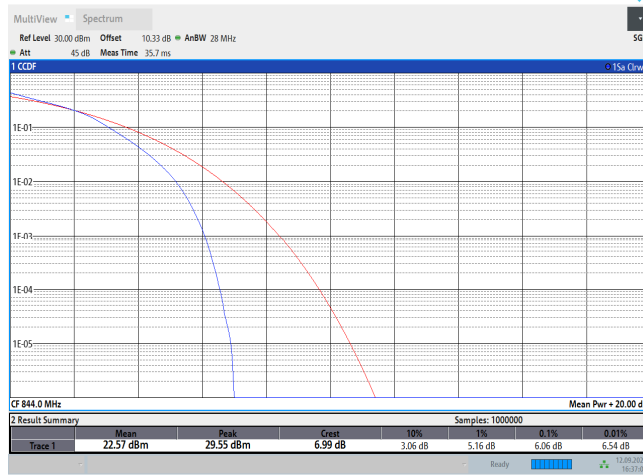


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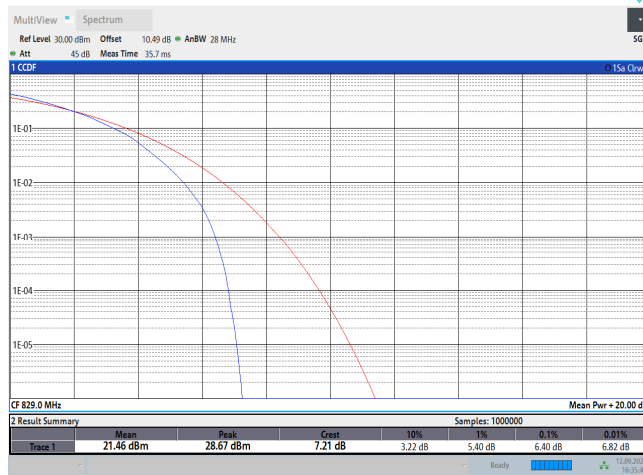
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Band5-10MHz-16QAM-20600-50RB#0



16:37:08 12.09.2023

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



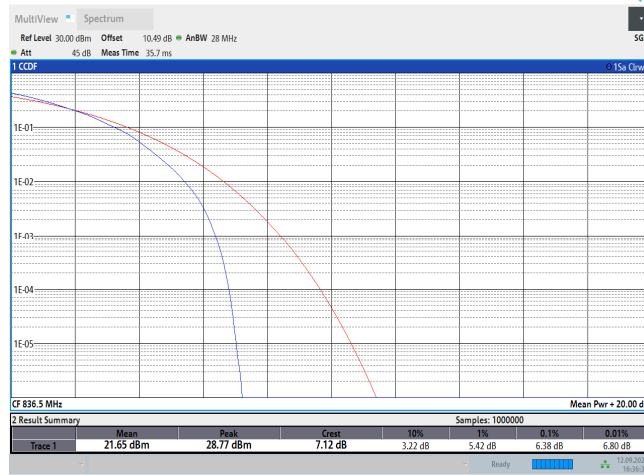
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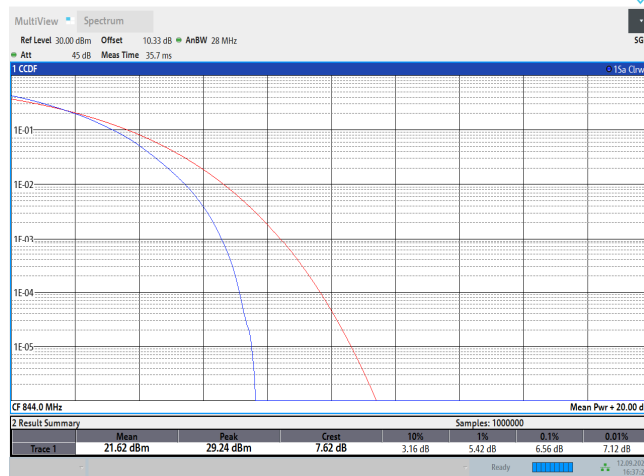
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Band5-10MHz-64QAM-20525-50RB#0



16:36:34 12.09.2023

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	1.28	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.095	1.31	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.095	1.30	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.095	1.31	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.096	1.30	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.095	1.30	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.095	1.30	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.685	2.90	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.684	2.90	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.684	2.89	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.678	2.90	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.677	2.92	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.68	2.91	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.683	2.89	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.678	2.89	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.681	2.89	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.468	4.82	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.47	4.81	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.468	4.81	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.461	4.86	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.466	4.86	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.468	4.85	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.477	4.86	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.478	4.86	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.473	4.84	PASS



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Report No.: SEWM2312000502RG01

Rev.: 01

Page: 14 of 55

Band5	10MHz	QPSK	20450	50RB#0	8.914	9.60	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.941	9.54	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.932	9.58	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.916	9.58	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.92	9.56	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.919	9.60	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.923	9.60	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.938	9.60	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.932	9.54	PASS



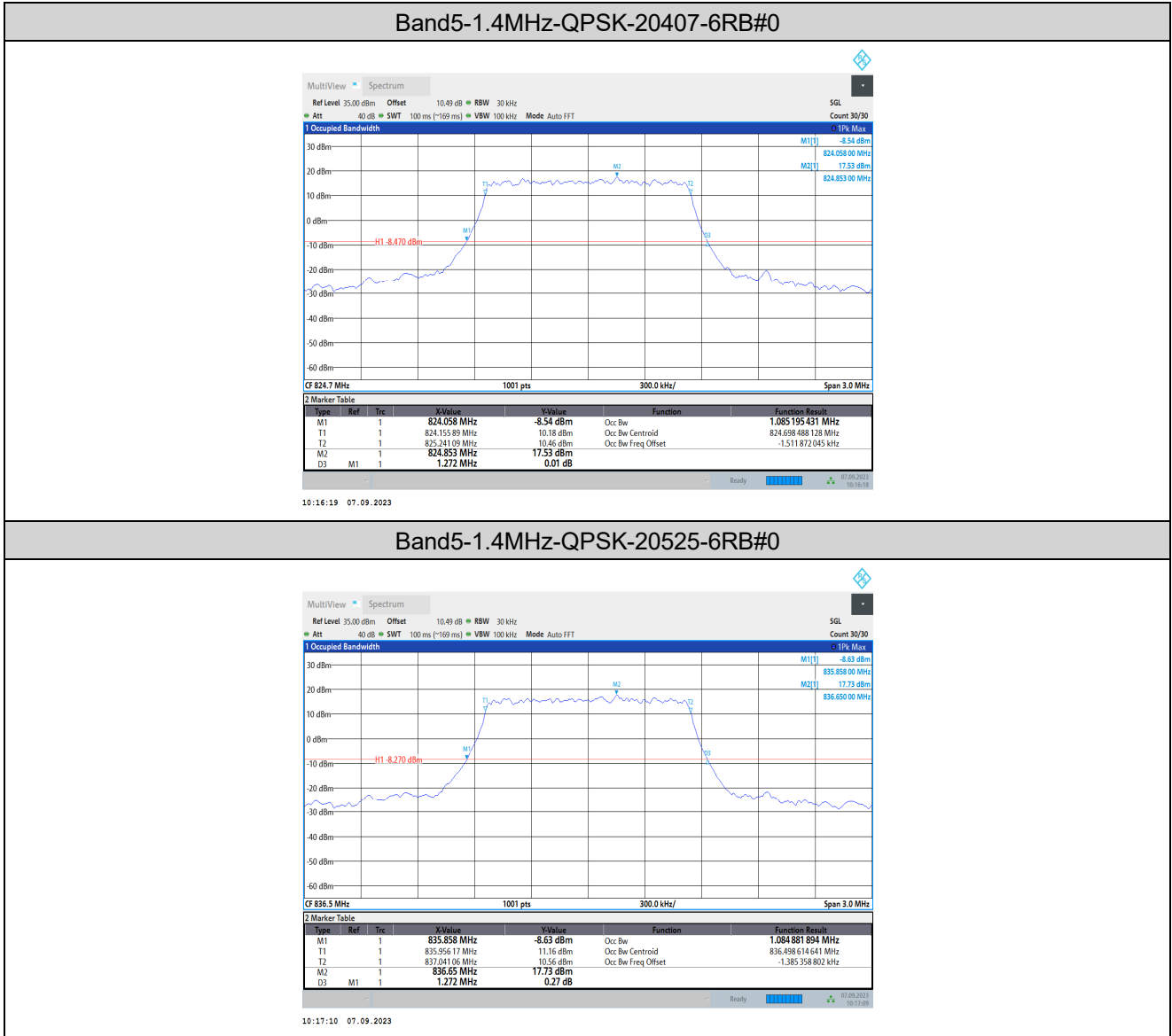
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Test Graphs

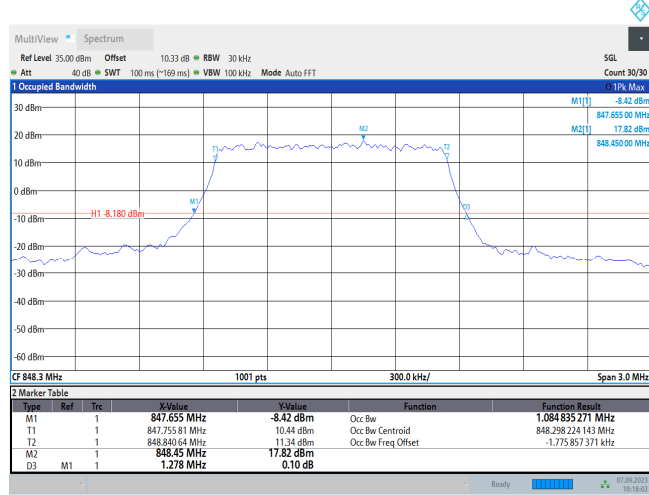


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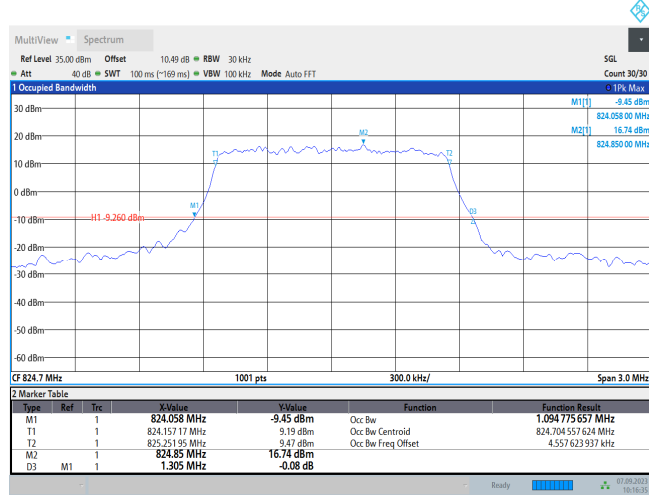
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Band5-1.4MHz-QPSK-20643-6RB#0



10:18:02 07.09.2023

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



10:16:36 07.09.2023



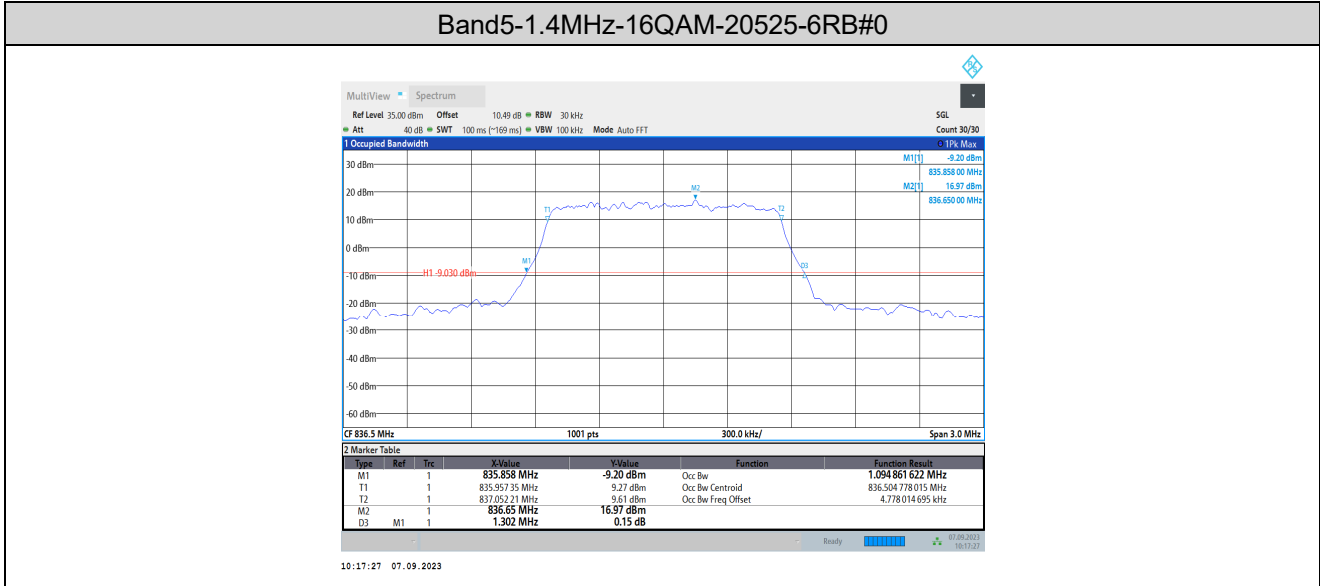
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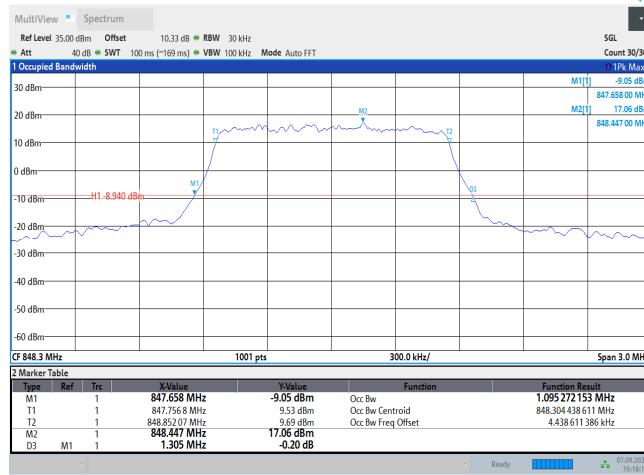


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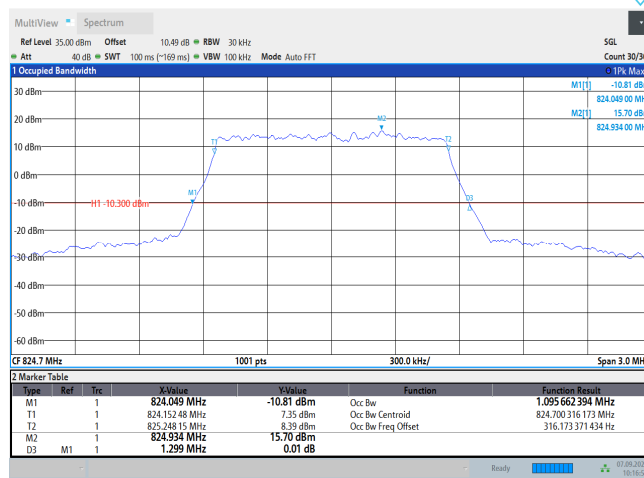
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Band5-1.4MHz-16QAM-20643-6RB#0



10:18:20 07.09.2023

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



10:16:53 07.09.2023

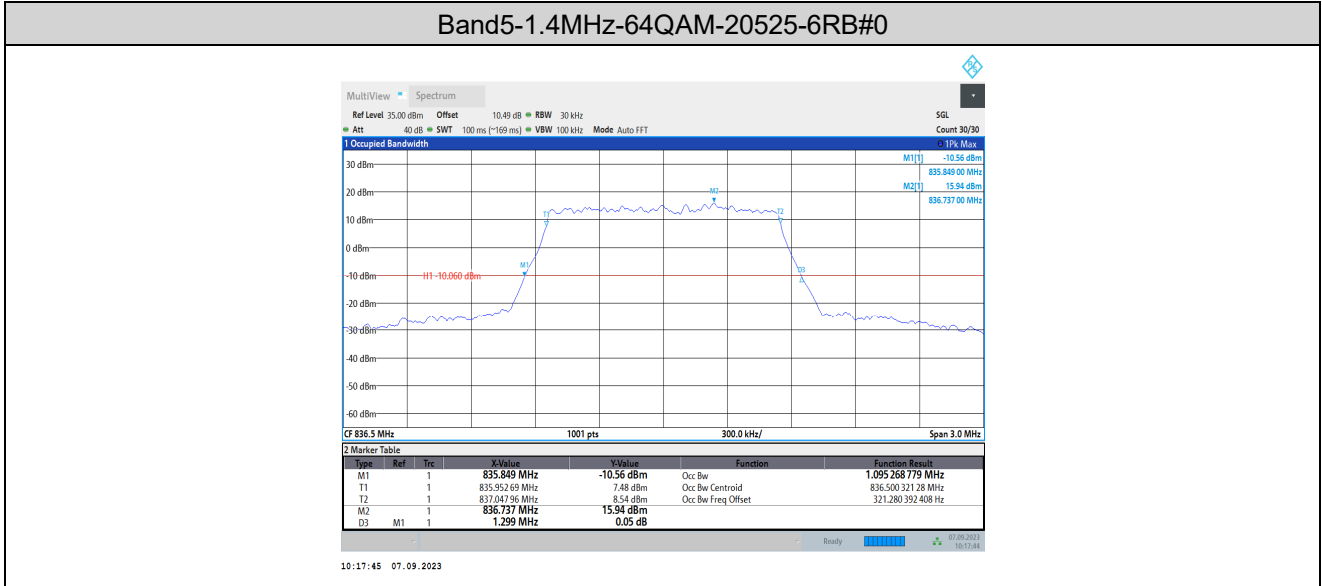


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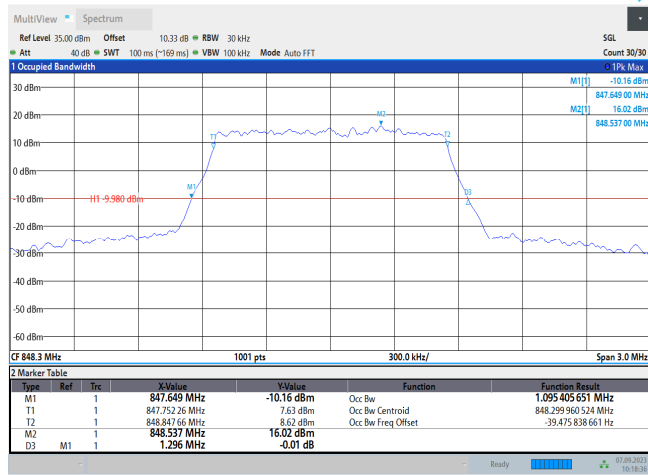


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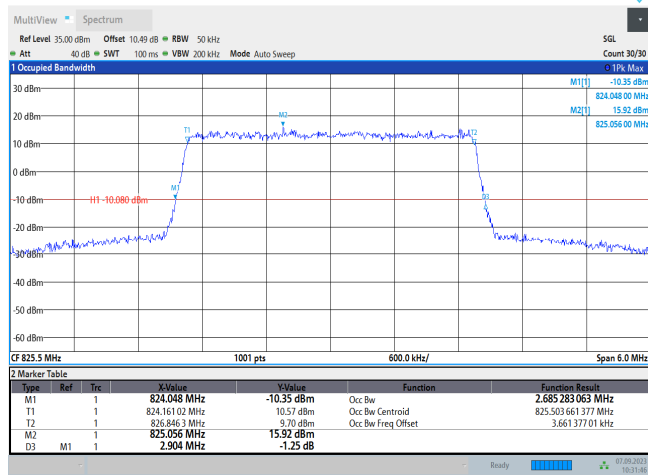
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Band5-1.4MHz-64QAM-20643-6RB#0



10:18:37 07.09.2023

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

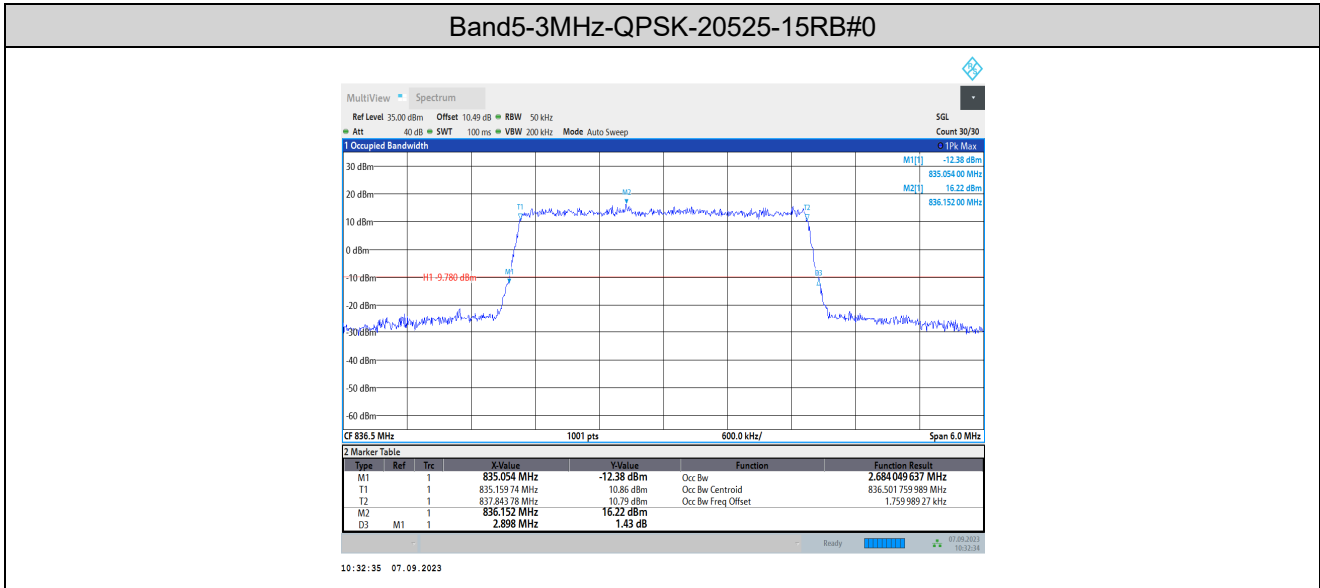


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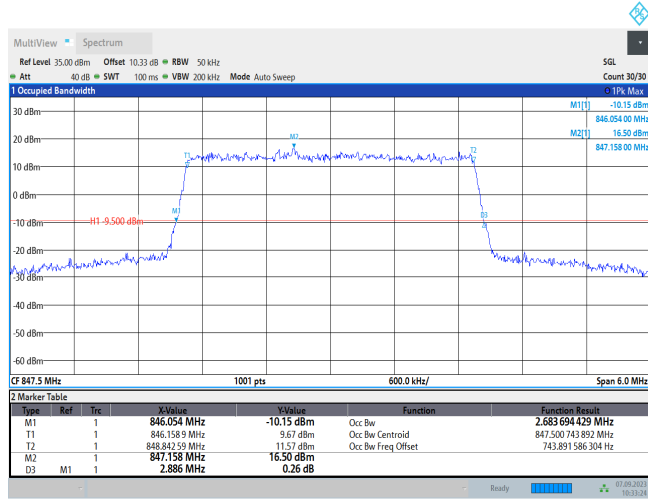


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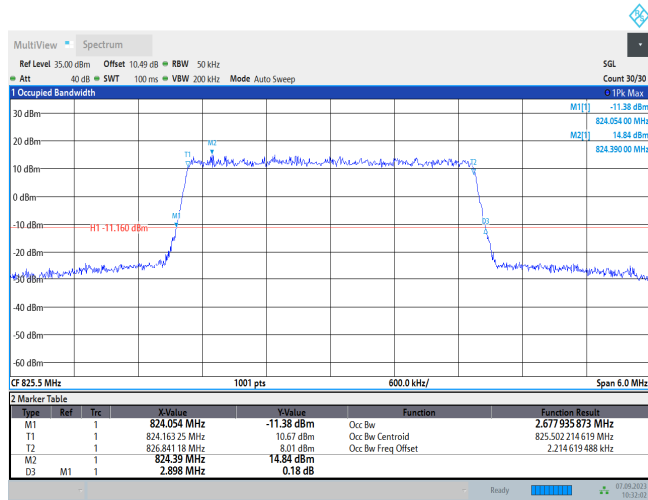
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Band5-3MHz-QPSK-20635-15RB#0



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Band5-3MHz-16QAM-20415-15RB#0



10:32:03 07.09.2023

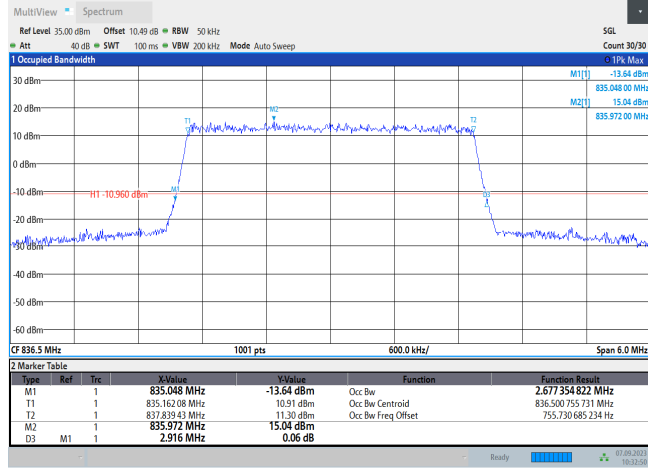


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Band5-3MHz-16QAM-20525-15RB#0



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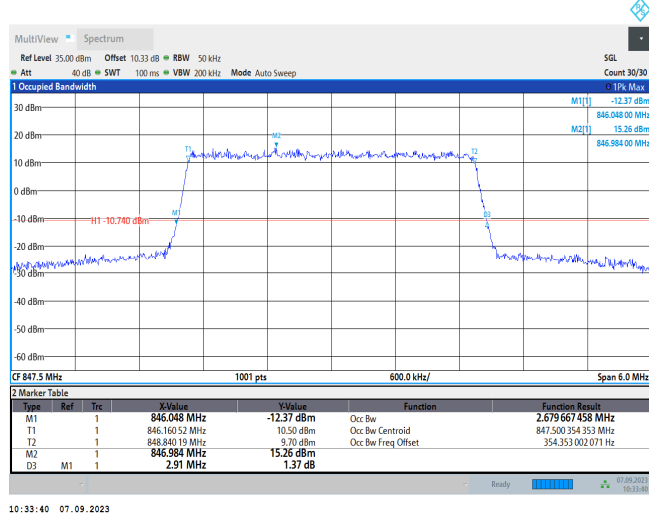
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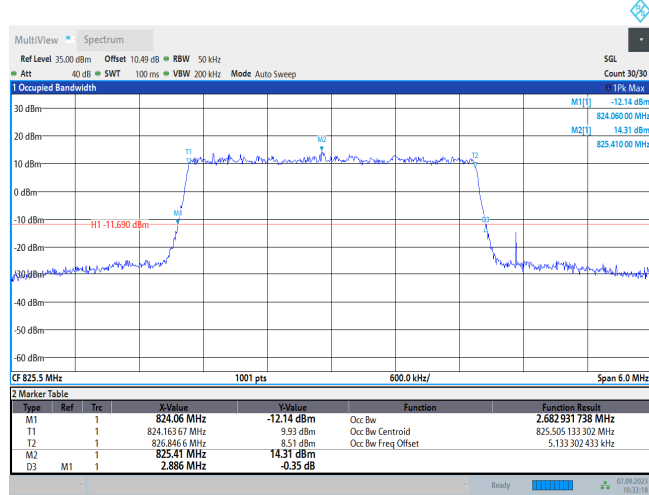


Band5-3MHz-16QAM-20635-15RB#0



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



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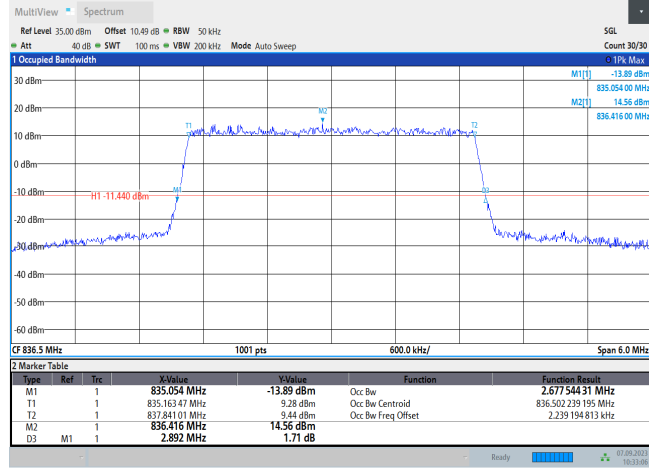


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Band5-3MHz-64QAM-20525-15RB#0



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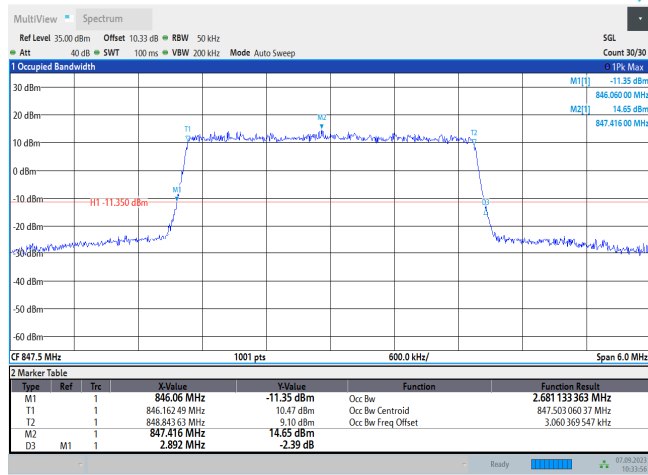


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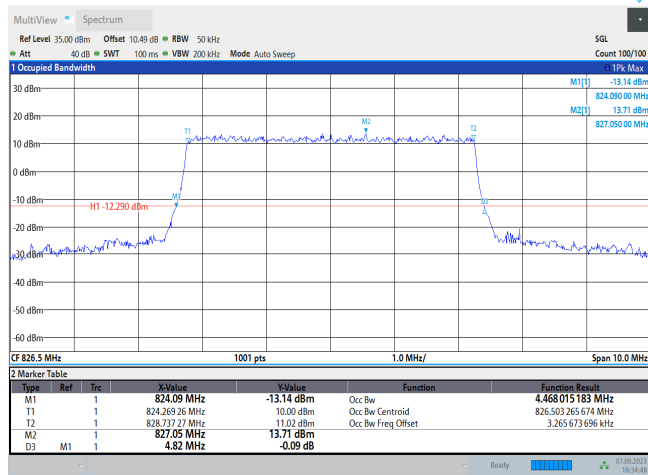
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Band5-5MHz-QPSK-20425-25RB#0



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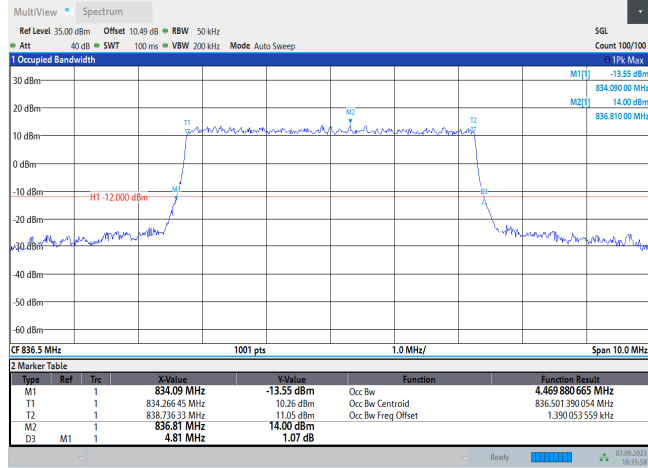


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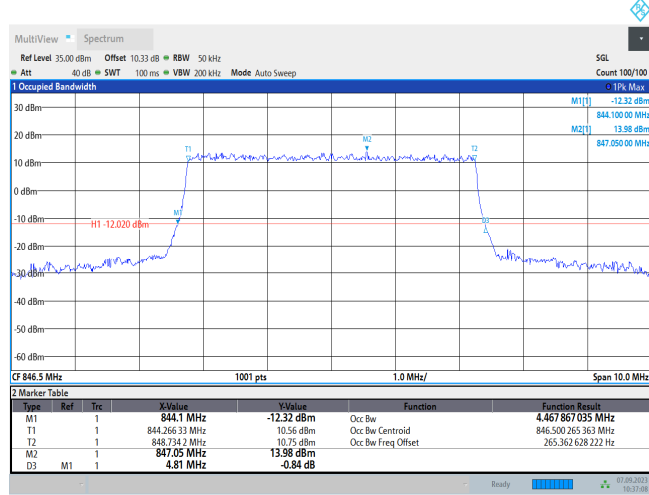


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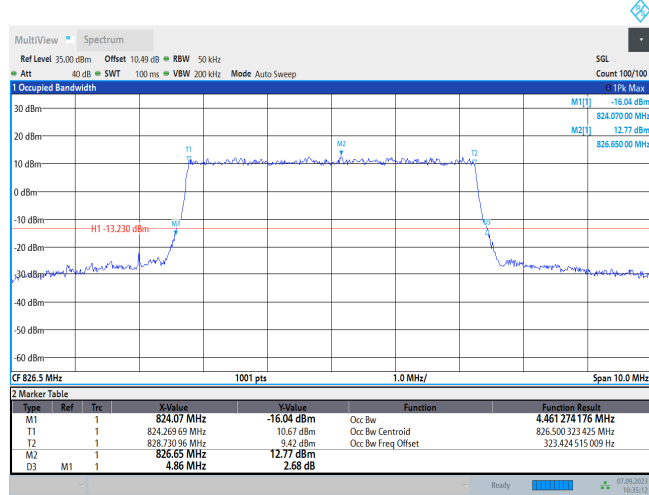
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Band5-5MHz-16QAM-20425-25RB#0



10:35:12 07.09.2023



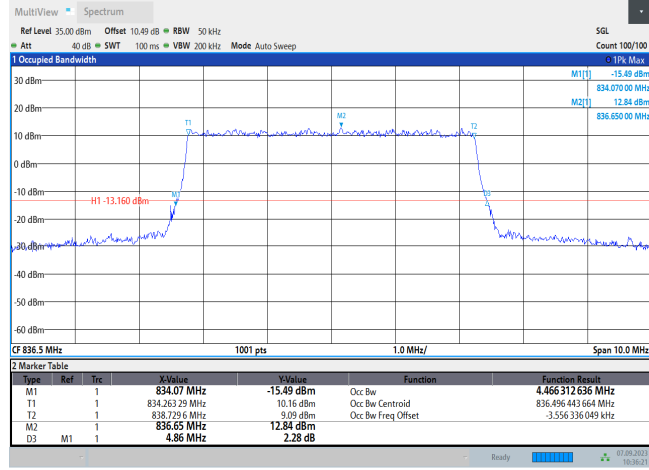
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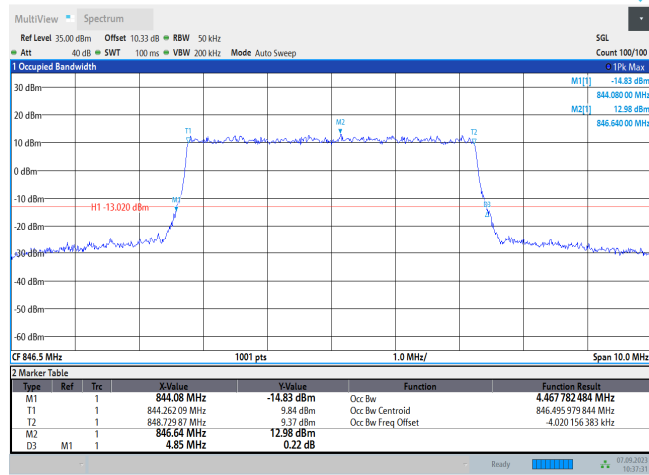


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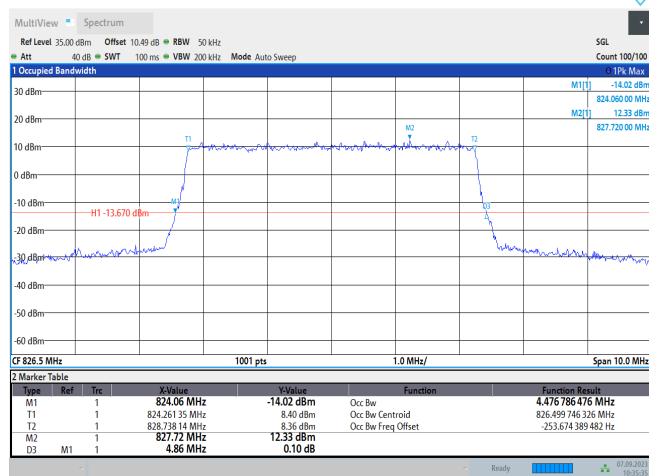
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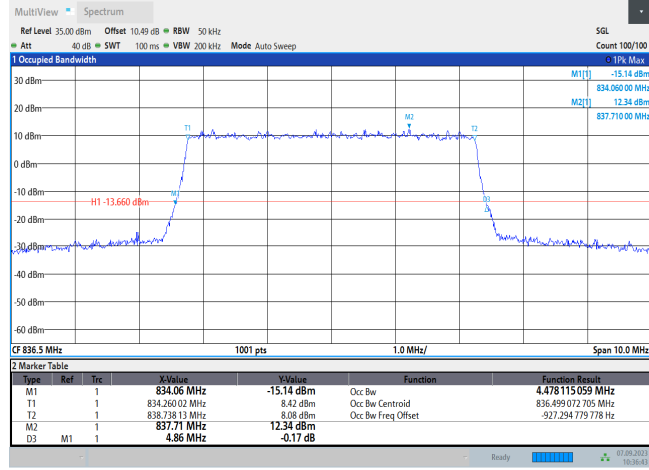
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Band5-5MHz-64QAM-20525-25RB#0



10:36:45 07.09.2023

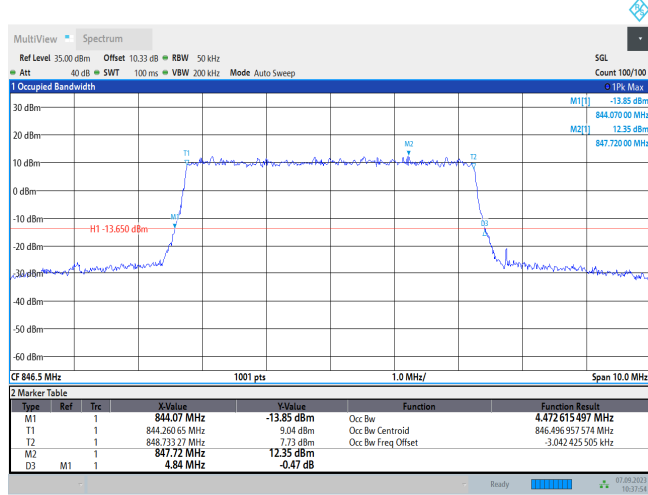


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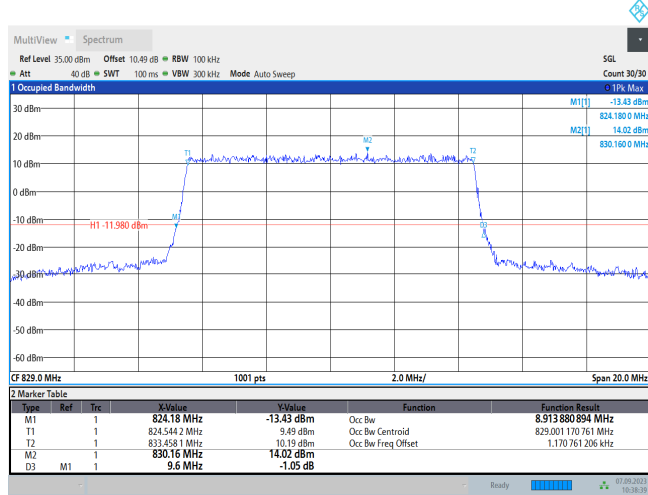
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Band5-5MHz-64QAM-20625-25RB#0



10:37:55 07.09.2023

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



10:38:40 07.09.2023



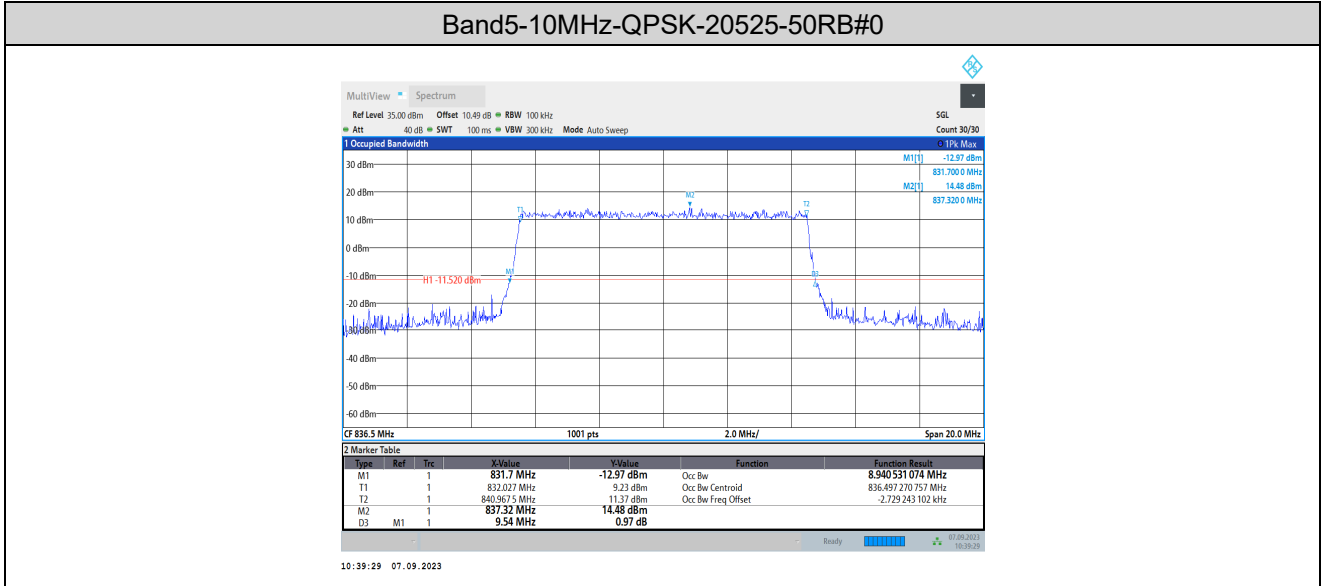
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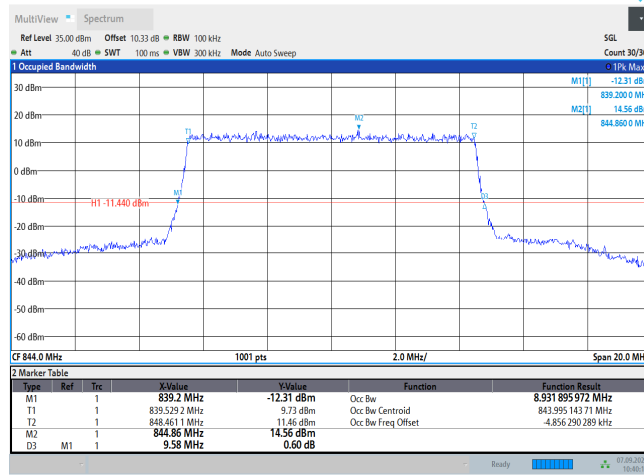
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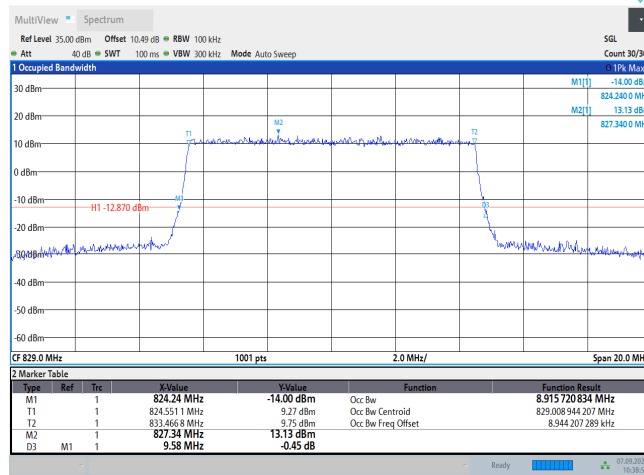


Band5-10MHz-QPSK-20600-50RB#0



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



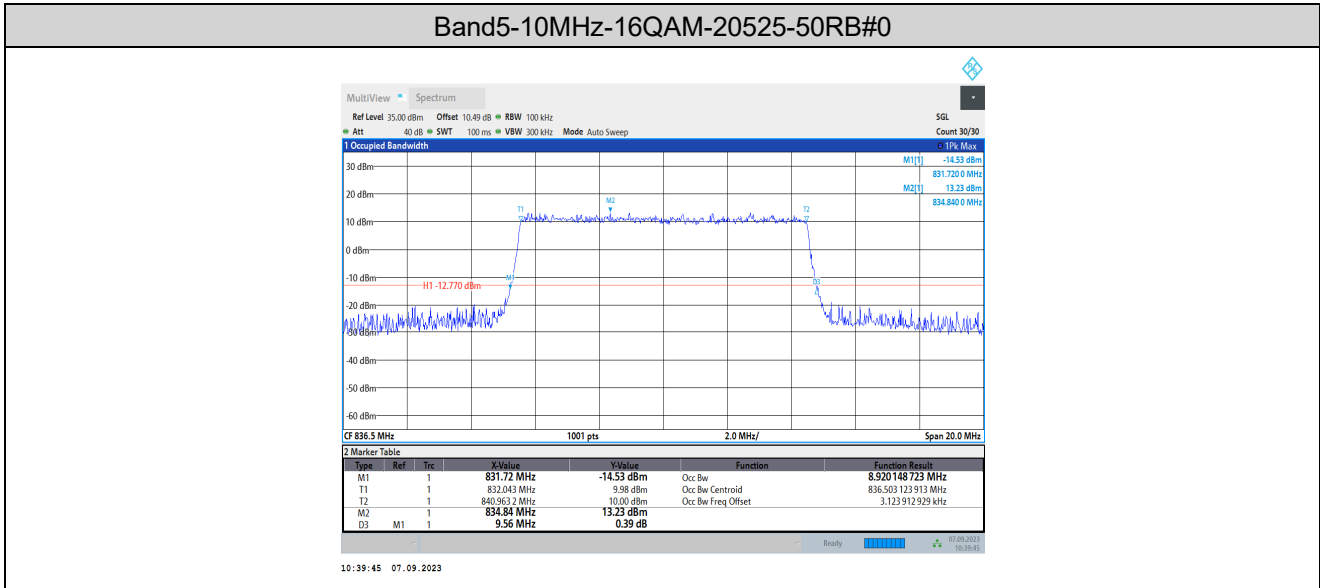
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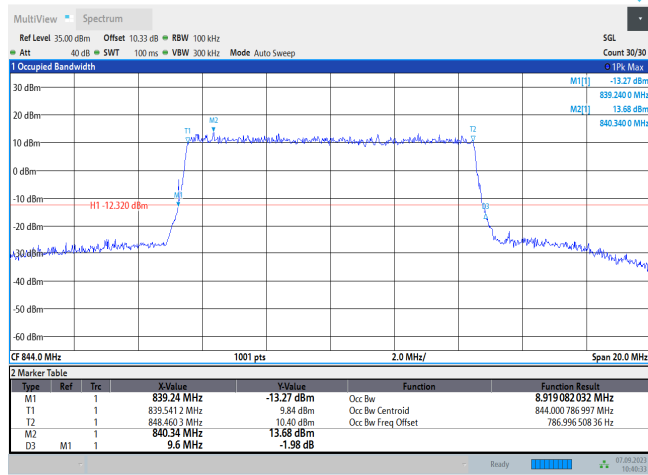


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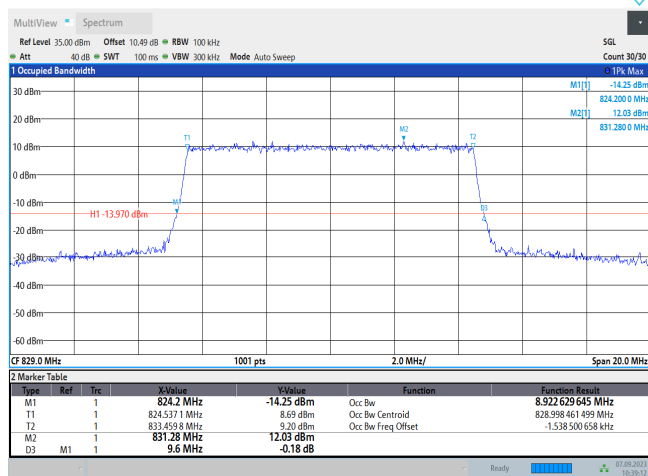
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Band5-10MHz-16QAM-20600-50RB#0



10:40:34 07.09.2023

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



10:39:13 07.09.2023

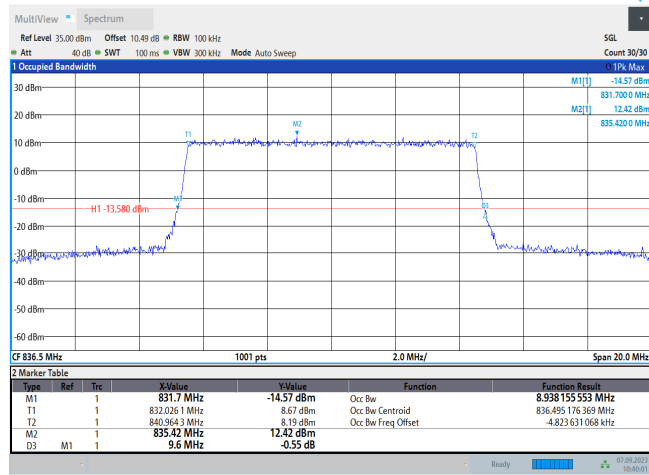


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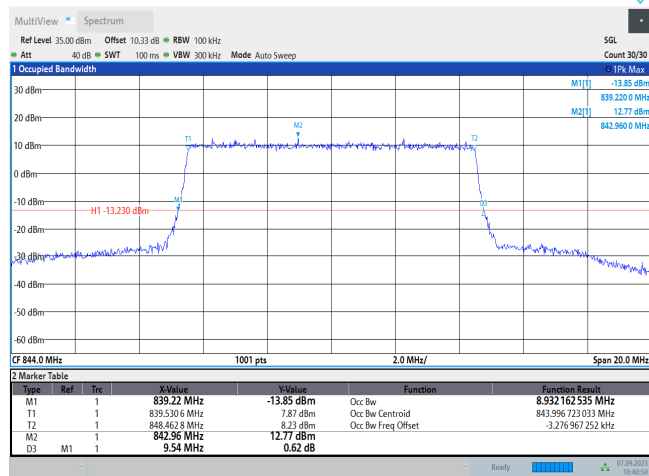
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Band5-10MHz-64QAM-20525-50RB#0



10:40:02 07.09.2023

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



10:40:51 07.09.2023



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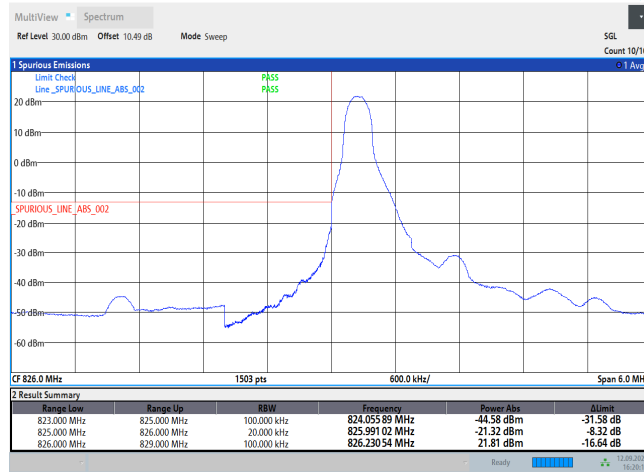
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## Band Edge

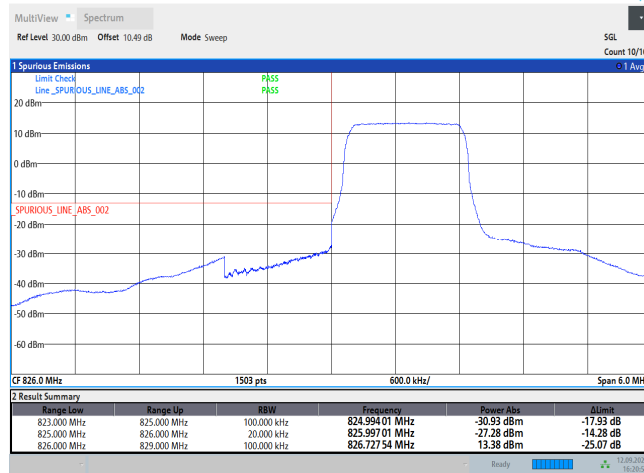
## Test Graphs

Band5-1.4MHz-QPSK-20427-1RB#0



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



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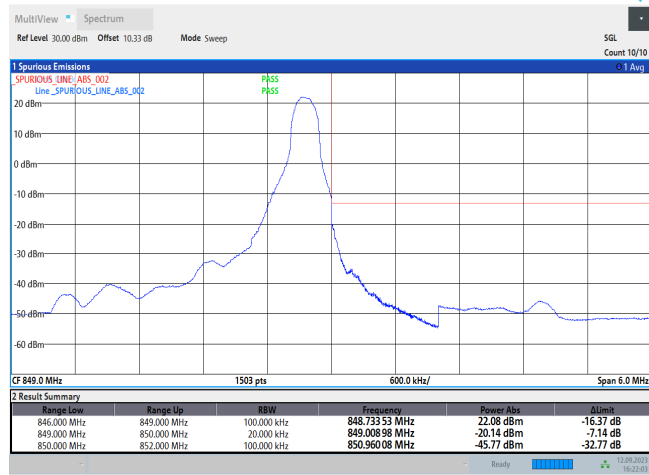


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Band5-1.4MHz-QPSK-20643-1RB#5



16:22:04 12.09.2023

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16:22:43 12.09.2023



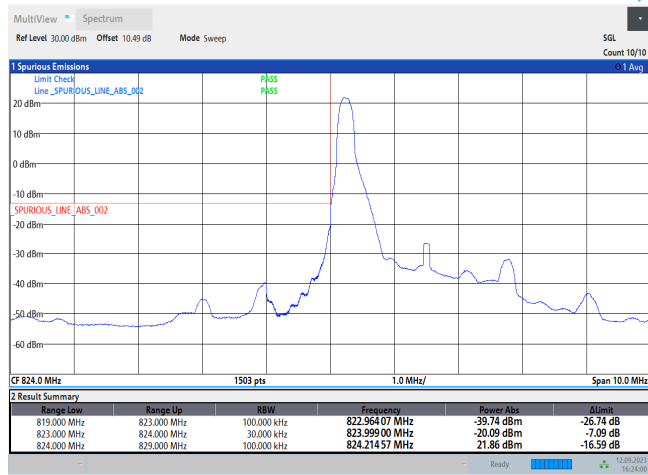
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Band5-3MHz-QPSK-20415-1RB#0



16:24:01 12.09.2023

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



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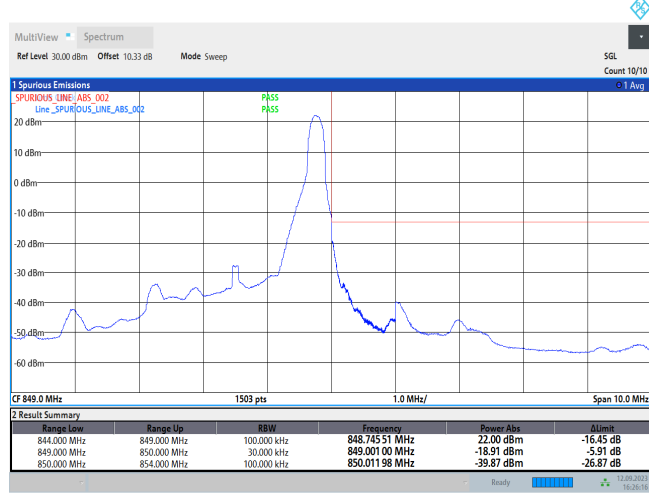


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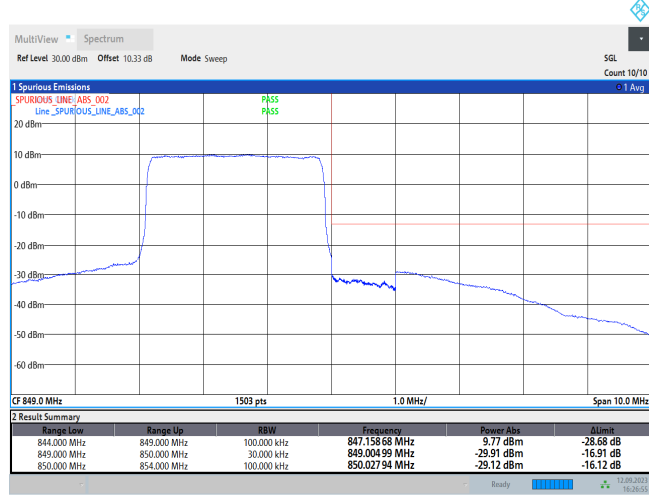
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Band5-3MHz-QPSK-20635-1RB#14



16:26:17 12.09.2023

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



16:26:56 12.09.2023

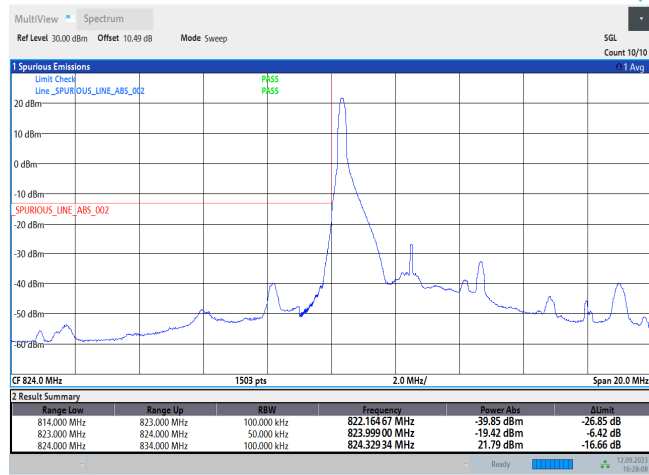


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Band5-5MHz-QPSK-20425-1RB#0



16:28:08 12.09.2023

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



16:28:47 12.09.2023

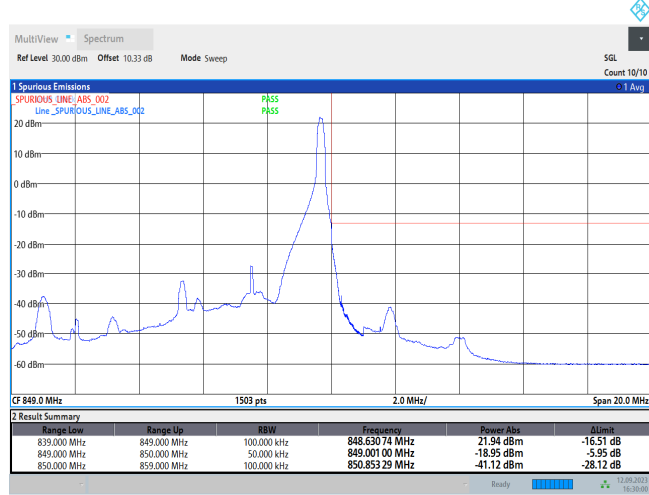


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Band5-5MHz-QPSK-20625-1RB#24



16:30:00 12.09.2023

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



16:30:39 12.09.2023

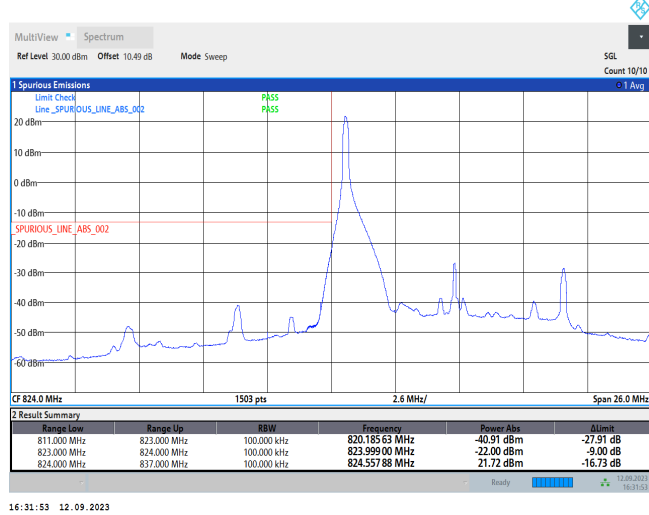


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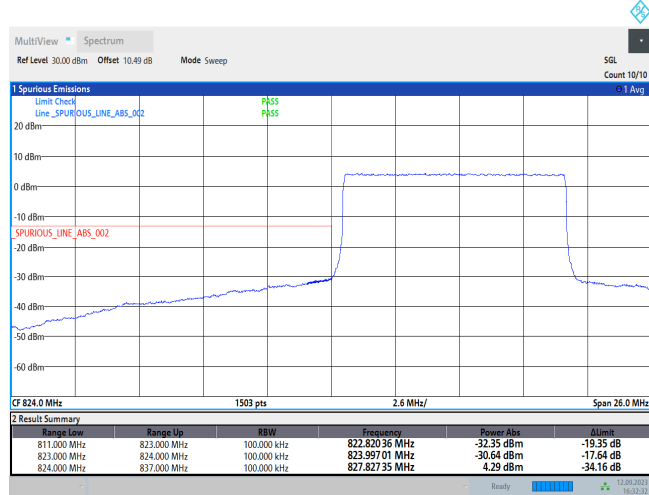
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Band5-10MHz-QPSK-20450-1RB#0



16:31:53 12.09.2023

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



16:32:33 12.09.2023

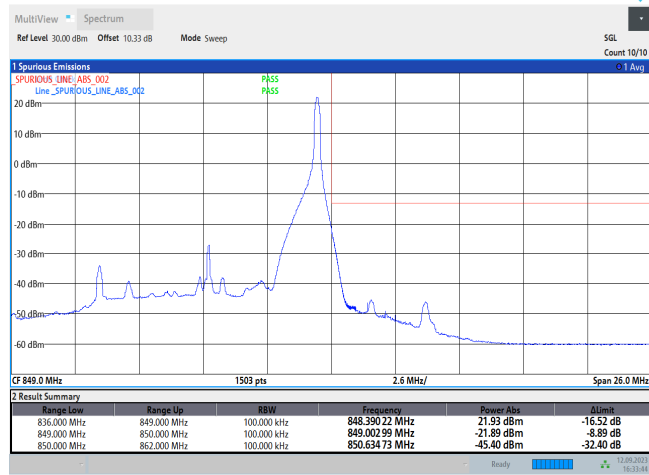


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Band5-10MHz-QPSK-20600-1RB#49



16:33:44 12.09.2023

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



16:34:24 12.09.2023



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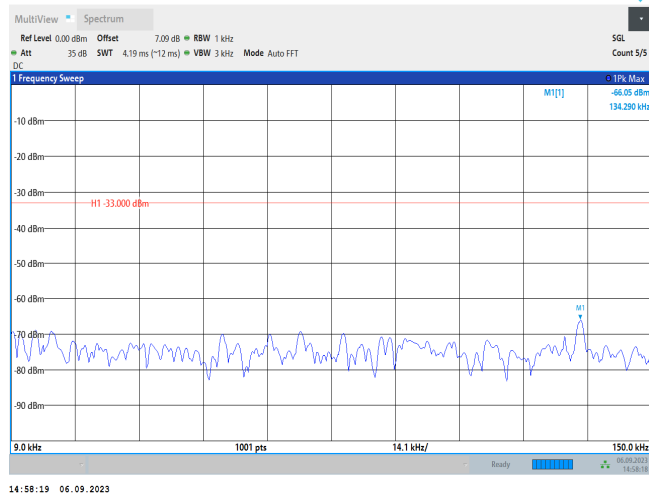
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## Conducted Spurious Emission

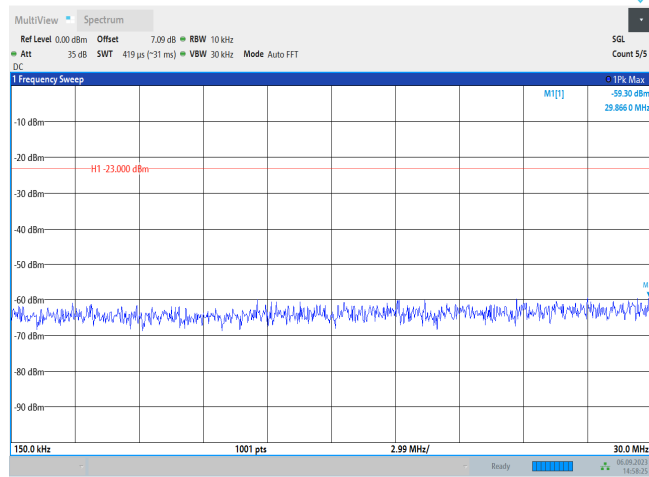
### Test Graphs

Band5-10MHz-QPSK-20450-1RB#0-Range1:0.009~0.15MHz



14:58:19 06.09.2023

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



14:58:26 06.09.2023



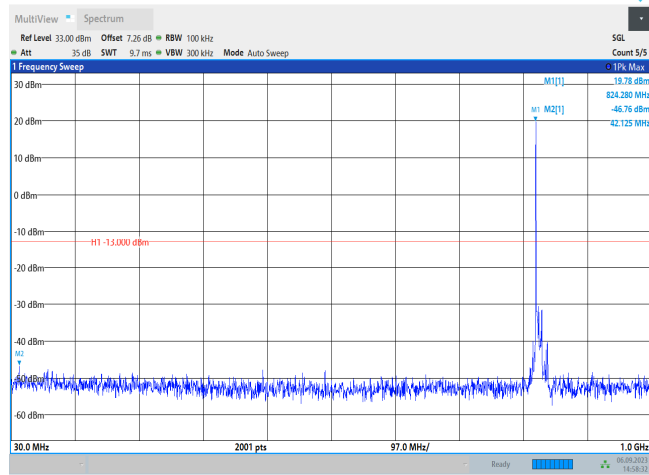
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Wireless Laboratory

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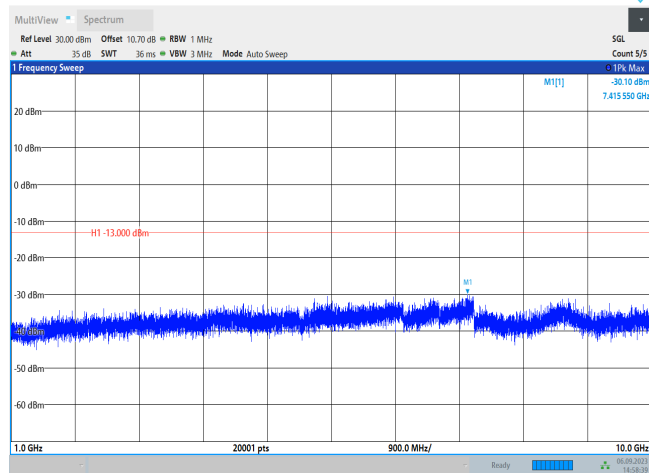
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Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



14:58:33 06.09.2023

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



14:58:40 06.09.2023

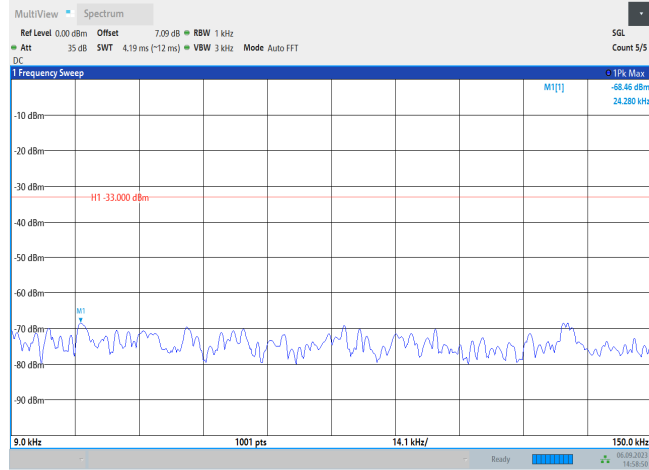


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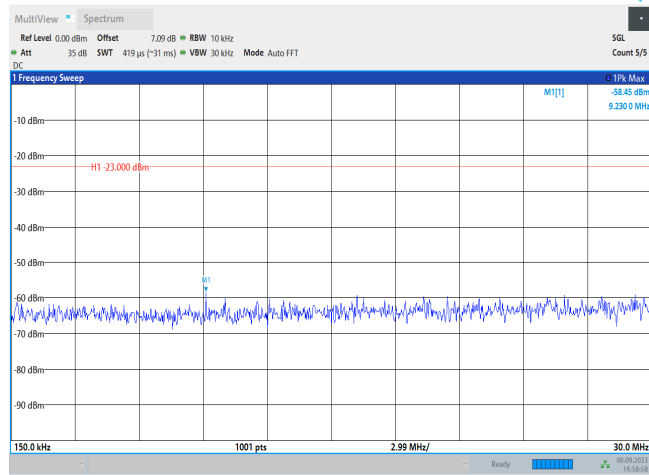
Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



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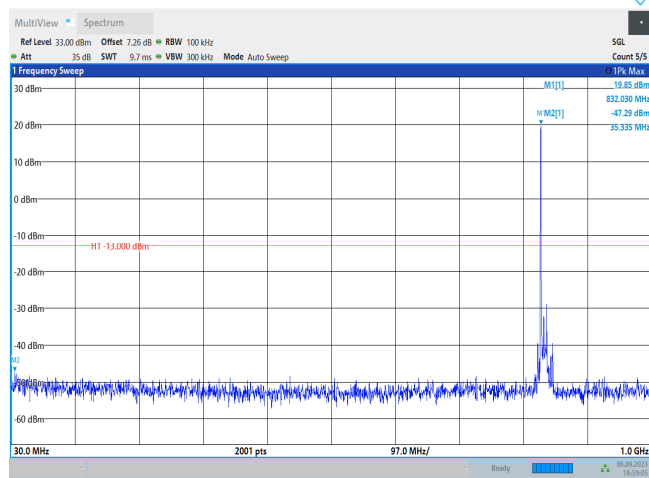
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Band5-10MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



14:58:58 06.09.2023

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



14:59:06 06.09.2023

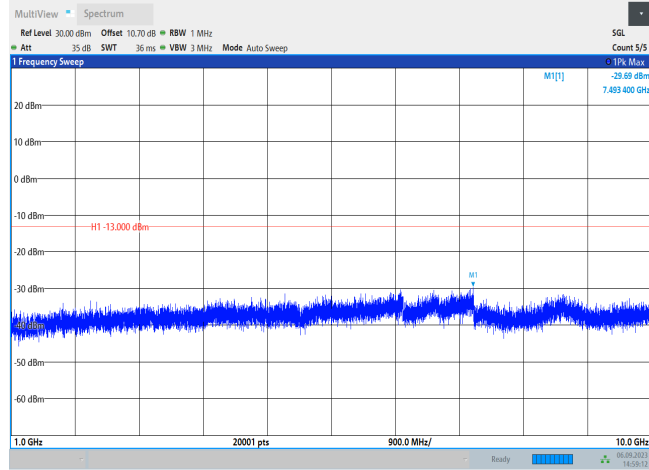


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Band5-10MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



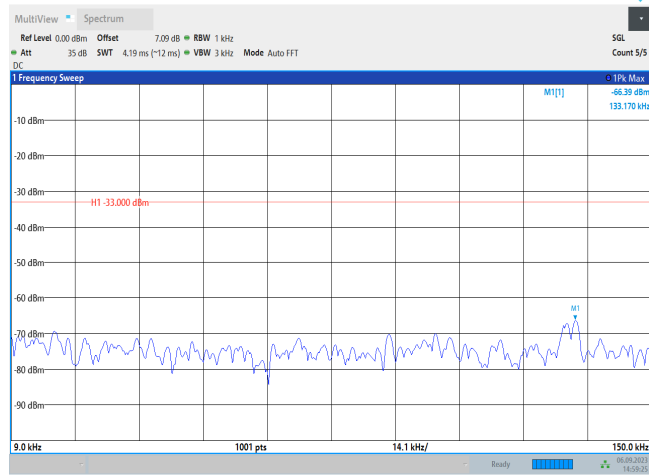
14:59:13 06.09.2023



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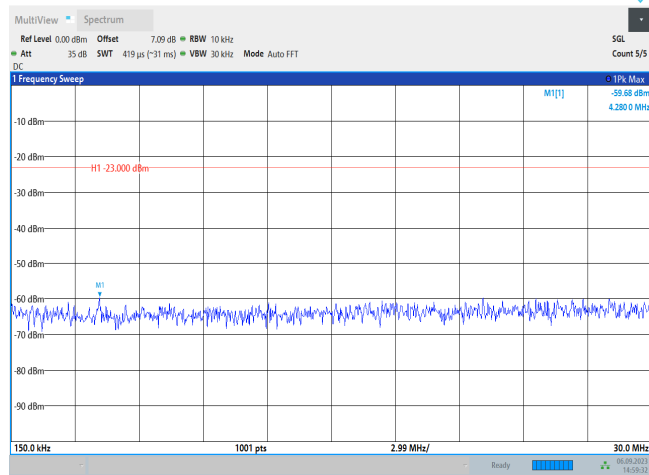
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



14:59:25 06.09.2023

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



14:59:32 06.09.2023



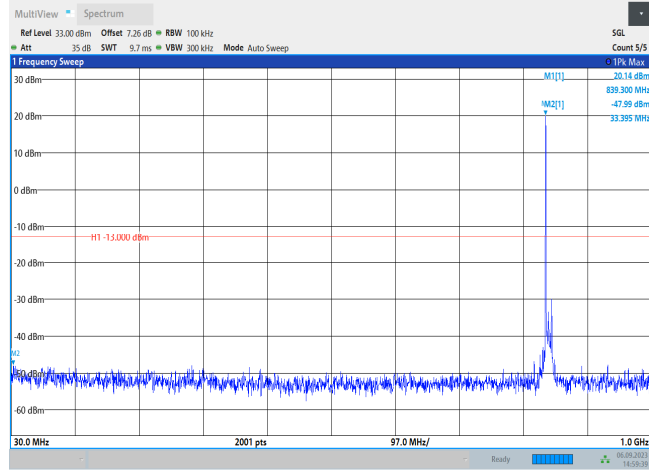
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14:59:39 06.09.2023

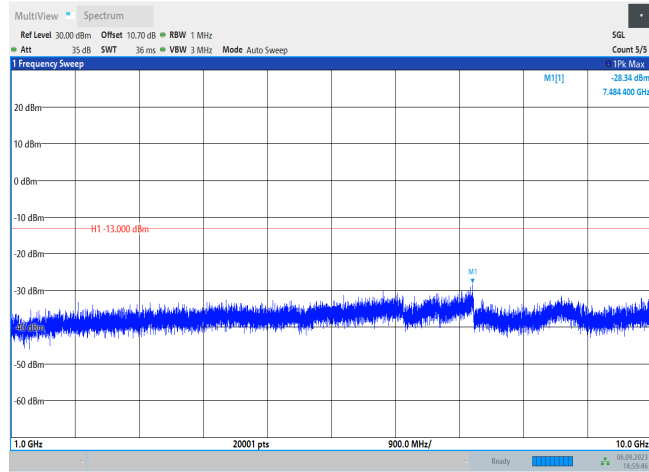


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Band5-10MHz-QPSK-20600-1RB#0-Range4:1000~10000MHz



14:59:46 06.09.2023



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**Field Strength of Spurious Radiation(SKU3):**

**Test Band = LTE Band 5\_ TM1**

**Test Channel = Mid Channel**

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.18	58.55	-49.79	25.36	-61.15	-13.00	48.15	Horizontal
2	2496.27	57.37	-48.92	27.30	-59.51	-13.00	46.51	Horizontal
3	3328.36	45.28	-48.65	28.63	-70.00	-13.00	37.00	Horizontal
4	4160.45	44.06	-48.32	29.69	-69.83	-13.00	56.83	Horizontal
5	4992.54	44.28	-47.97	31.48	-67.47	-13.00	54.47	Horizontal
6	5824.63	43.34	-47.55	32.76	-66.70	-13.00	53.70	Horizontal

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5823.5556	46.23	-47.56	32.76	-63.82	-13.00	4.11	Vertical
2	1664.18	52.79	-49.79	25.36	-66.91	-13.00	53.91	Vertical
3	2496.27	57.23	-48.92	27.30	-59.65	-13.00	36.65	Vertical
4	3328.36	45.34	-48.65	28.63	-69.94	-13.00	56.94	Vertical
5	4160.45	43.98	-48.32	29.69	-69.91	-13.00	56.91	Vertical
6	4992.54	43.44	-47.97	31.48	-68.31	-13.00	55.31	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	-7.42	-0.008870	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-3.75	-0.004483	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	3.53	0.004220	±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	-10.11	-0.012086	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-6.29	-0.007519	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-7.25	-0.008667	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-2.59	-0.003096	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-7.17	-0.008571	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-11.10	-0.013270	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-5.29	-0.006324	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-10.01	-0.011967	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-5.42	-0.006479	±2.5	PASS

---End of Attachment---



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