

Report No.: SEWM2304000113RG01

Rev.: 01

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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	23.44	20.79	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.57	20.92	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.47	20.82	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.53	19.88	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.23	20.58	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.34	20.69	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.21	20.56	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.33	19.68	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.13	20.48	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.25	20.60	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.14	20.49	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.28	19.63	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.59	19.94	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.77	20.12	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.69	20.04	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.65	19.00	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.43	19.78	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.55	19.90	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.34	19.69	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.40	18.75	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.17	19.52	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.29	19.64	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.21	19.56	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.27	18.62	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.50	20.85	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.50	20.85	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.48	20.83	38.45	PASS



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Band5	3MHz	QPSK	20415	15RB#0	22.48	19.83	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.30	20.65	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.24	20.59	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.28	20.63	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.35	19.70	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.23	20.58	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.19	20.54	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.20	20.55	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.24	19.59	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.75	20.10	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.72	20.07	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.70	20.05	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.52	18.87	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.57	19.92	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.48	19.83	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.43	19.78	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.35	18.70	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.46	19.81	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.35	19.70	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.18	19.53	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.21	18.56	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.42	20.77	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.62	20.97	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.34	20.69	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.57	19.92	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.23	20.58	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.40	20.75	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.17	20.52	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.35	19.70	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.17	20.52	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.35	20.70	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.12	20.47	38.45	PASS



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Band5	5MHz	QPSK	20625	25RB#0	22.25	19.60	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.59	19.94	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.77	20.12	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.61	19.96	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.59	18.94	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.41	19.76	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.60	19.95	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.27	19.62	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.34	18.69	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.40	19.75	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.62	19.97	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.13	19.48	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.23	18.58	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.53	20.88	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.59	20.94	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.38	20.73	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.61	19.96	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.46	20.81	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.42	20.77	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.26	20.61	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.41	19.76	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.25	20.60	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.41	20.76	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.22	20.57	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.43	19.78	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.74	20.09	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.81	20.16	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.68	20.03	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.63	18.98	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.69	20.04	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.56	19.91	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.51	19.86	38.45	PASS



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Band5	10MHz	16QAM	20525	50RB#0	21.43	18.78	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.49	19.84	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.70	20.05	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.30	19.65	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.44	18.79	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	5.30	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.86	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.94	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.04	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.52	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.76	13	PASS

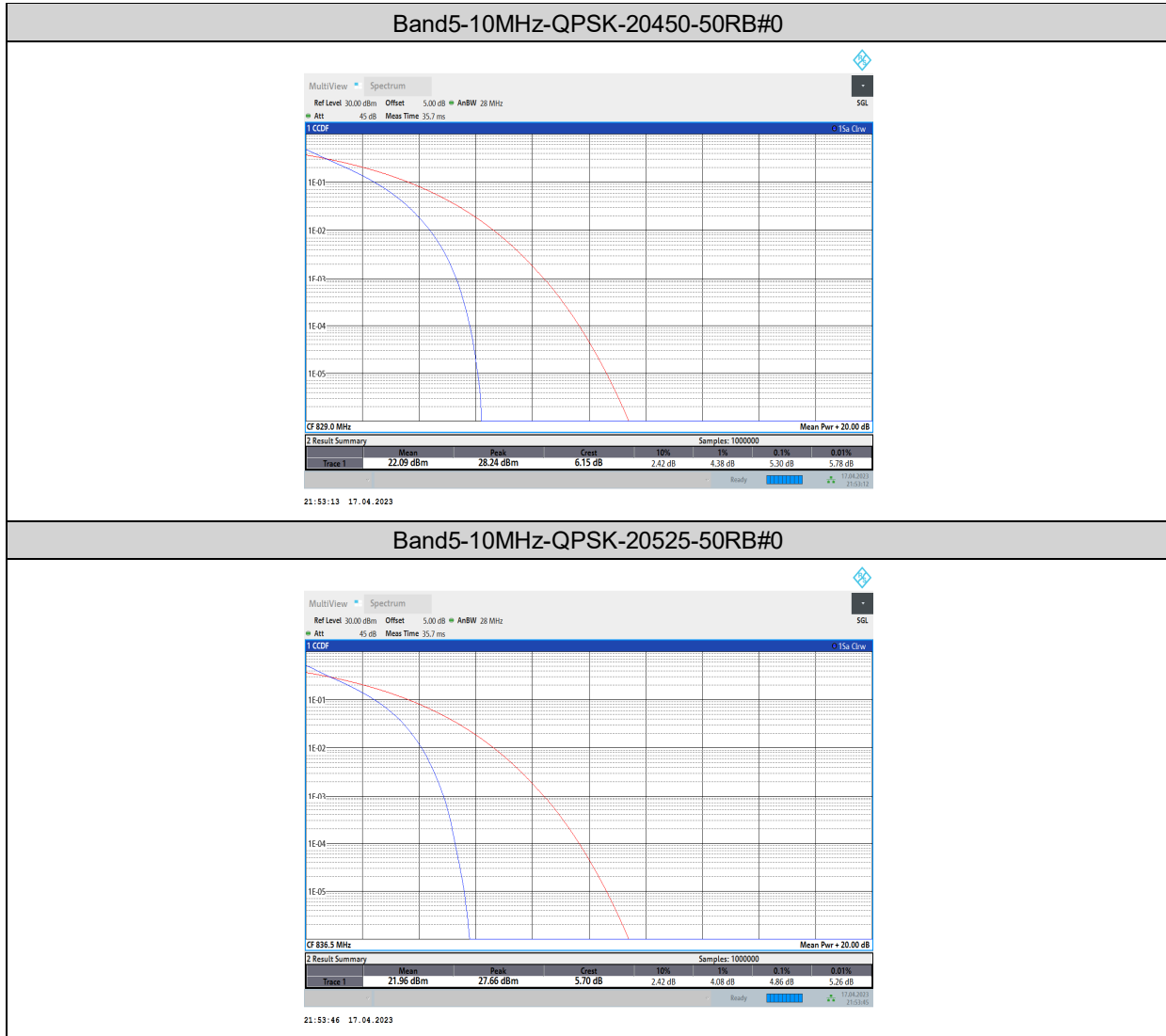


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Test Graphs

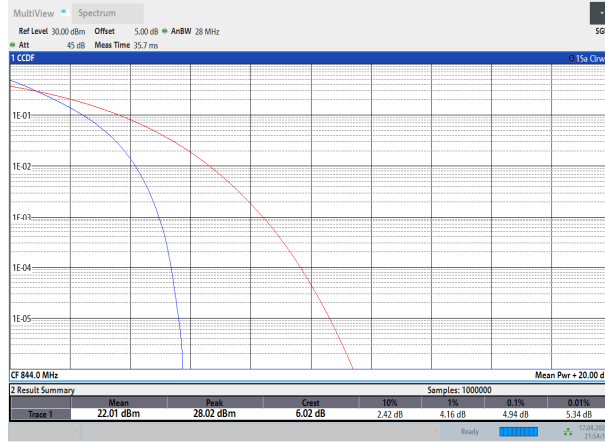


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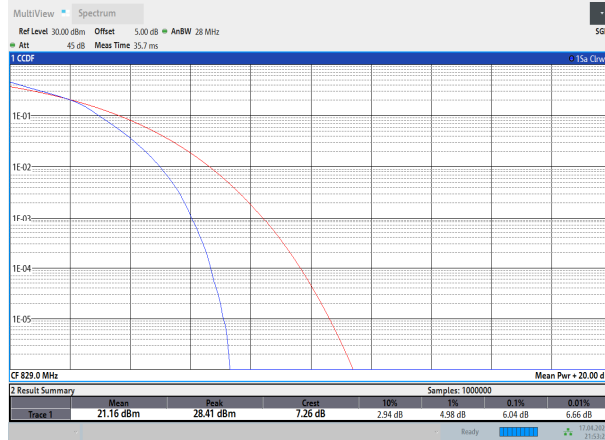
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Band5-10MHz-QPSK-20600-50RB#0



21:54:19 17.04.2023

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



21:53:29 17.04.2023

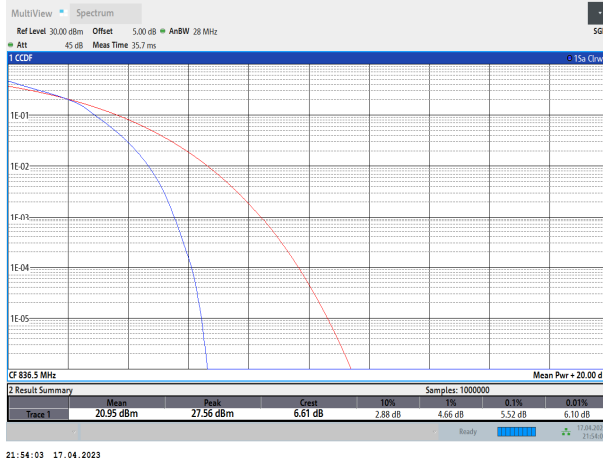


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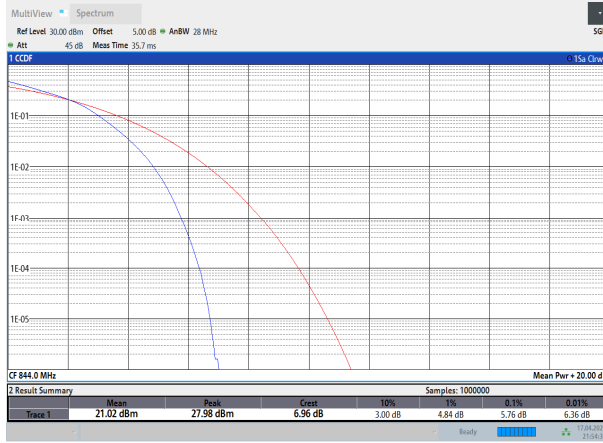
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Band5-10MHz-16QAM-20525-50RB#0



21:54:03 17.04.2023

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



21:54:36 17.04.2023



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band5	10MHz	QPSK	20525	50RB#0	PASS	PASS
Band5	10MHz	16QAM	20525	50RB#0	PASS	PASS

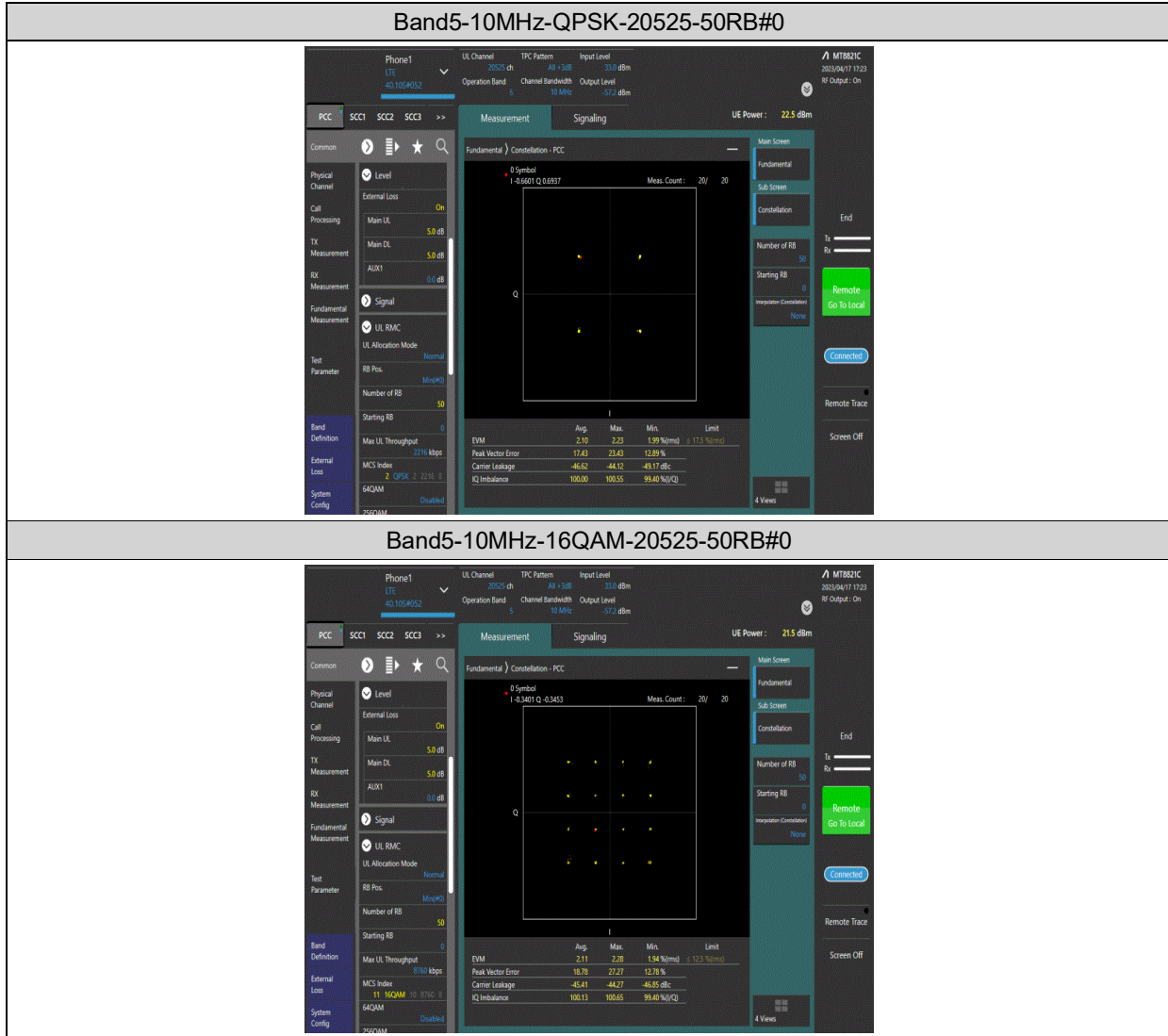


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Test Graphs



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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	1.29	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.088	1.30	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.095	1.31	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.099	1.31	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.102	1.31	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.687	2.90	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.689	2.92	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.688	2.92	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.678	2.90	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.678	2.90	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.680	2.89	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.471	5.19	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.469	4.85	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.468	4.83	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.464	4.85	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.465	4.87	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.465	4.86	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.951	9.86	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.925	9.60	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.937	9.64	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.927	9.58	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.912	9.52	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.921	9.58	PASS



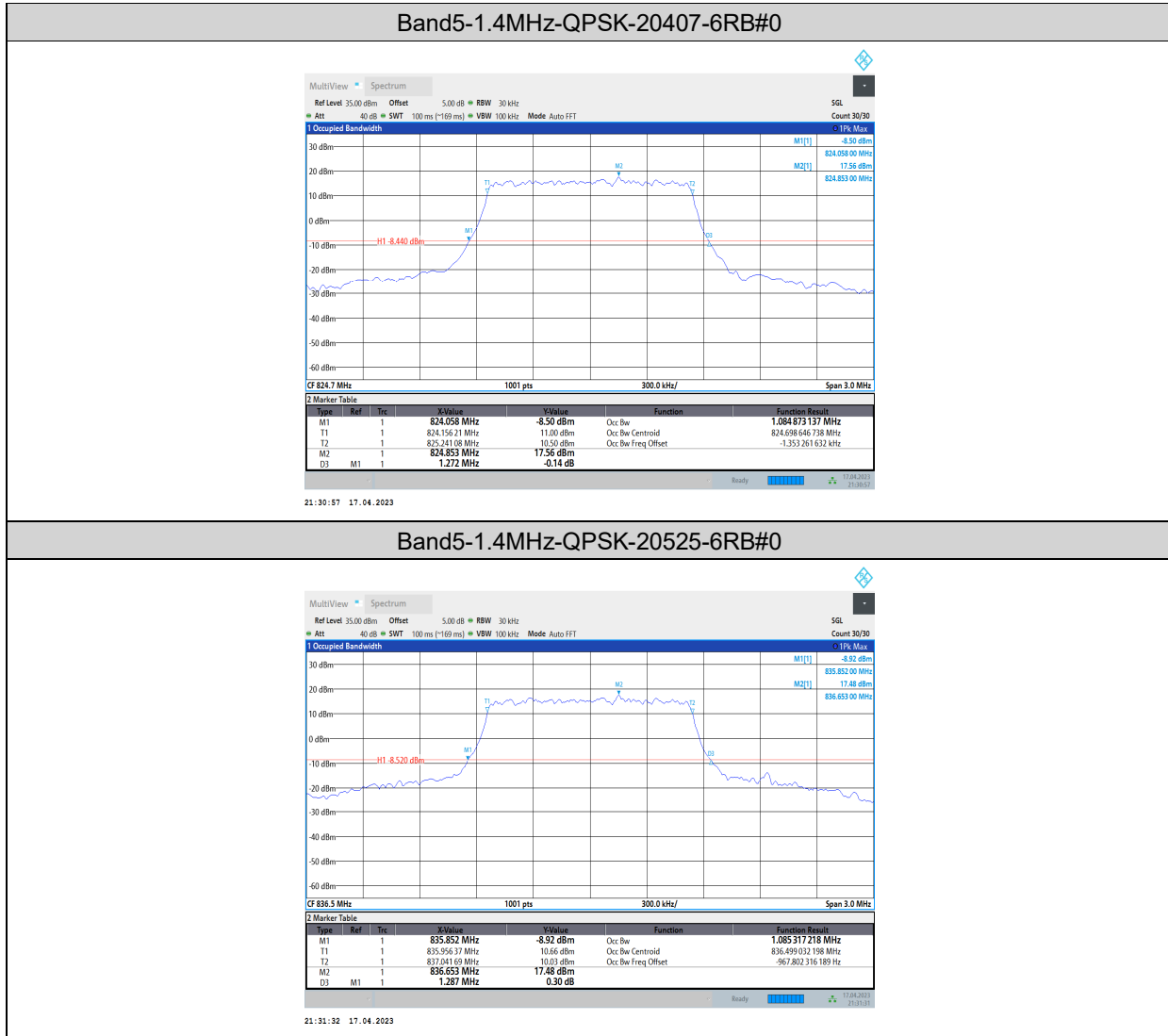
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Test Graphs

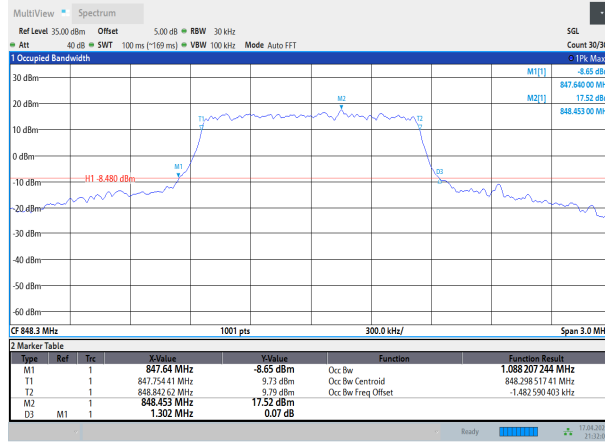


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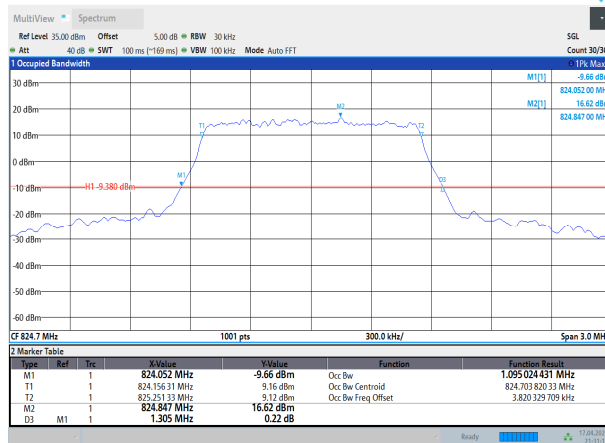
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Band5-1.4MHz-QPSK-20643-6RB#0



21:32:07 17.04.2023

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



21:31:14 17.04.2023

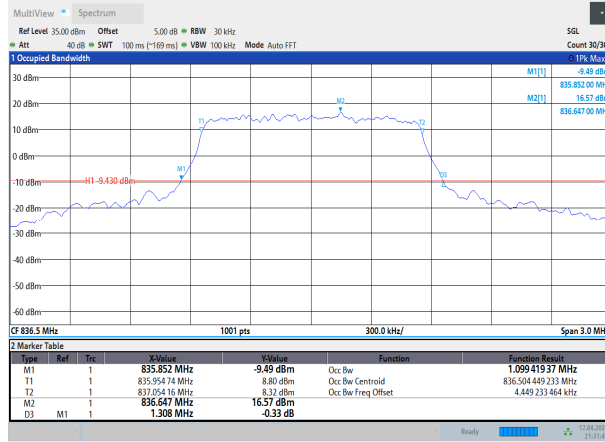


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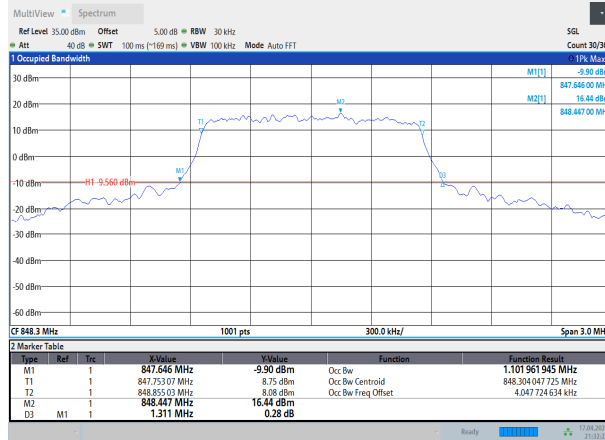
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Band5-1.4MHz-16QAM-20525-6RB#0



21:31:50 17.04.2023

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



21:32:25 17.04.2023

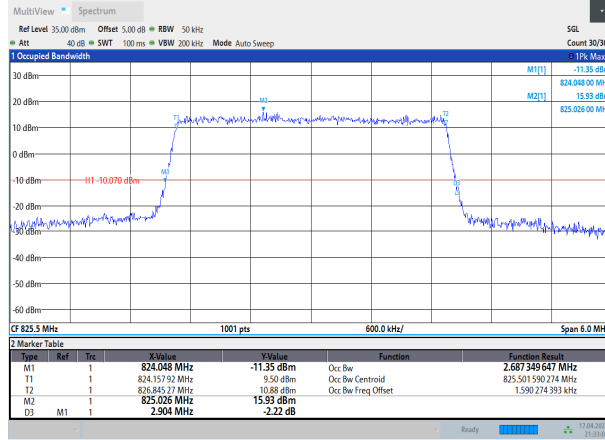


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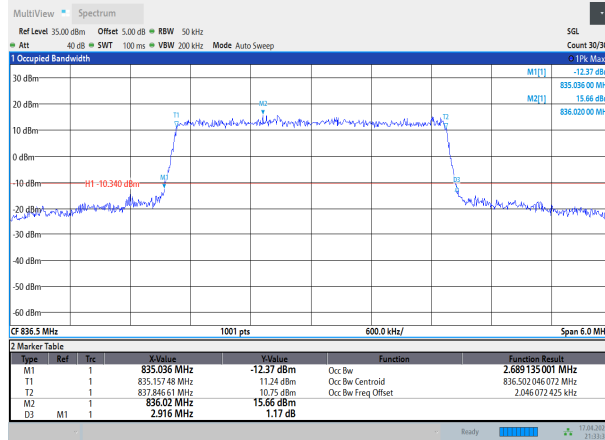
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Band5-3MHz-QPSK-20415-15RB#0



21:33:02 17.04.2023

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



21:33:35 17.04.2023

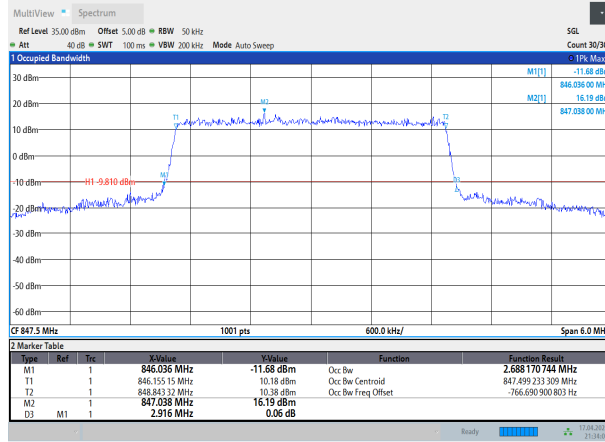


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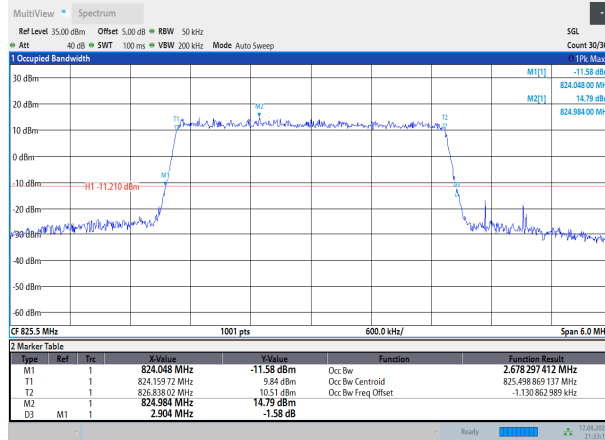
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Band5-3MHz-QPSK-20635-15RB#0



21:34:08 17.04.2023

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



21:33:18 17.04.2023

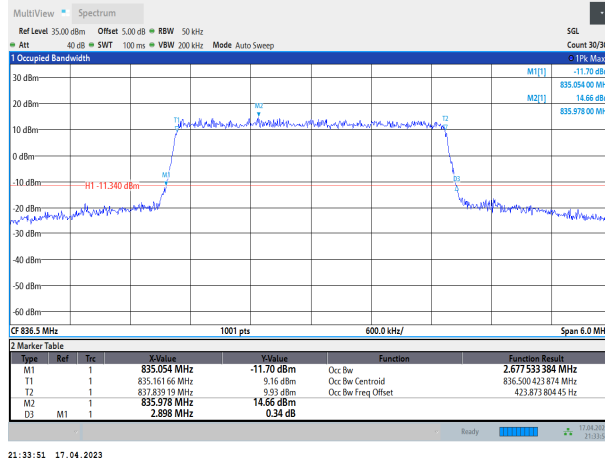


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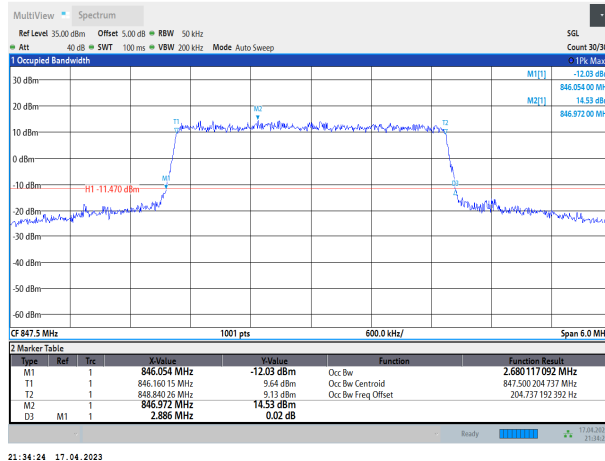
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Band5-3MHz-16QAM-20525-15RB#0



21:33:51 17.04.2023

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



21:34:24 17.04.2023

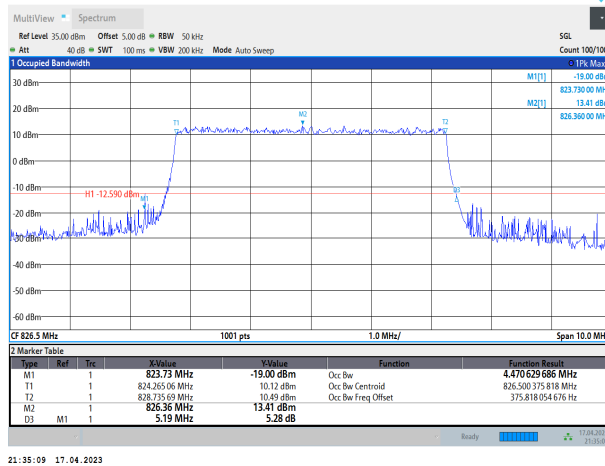


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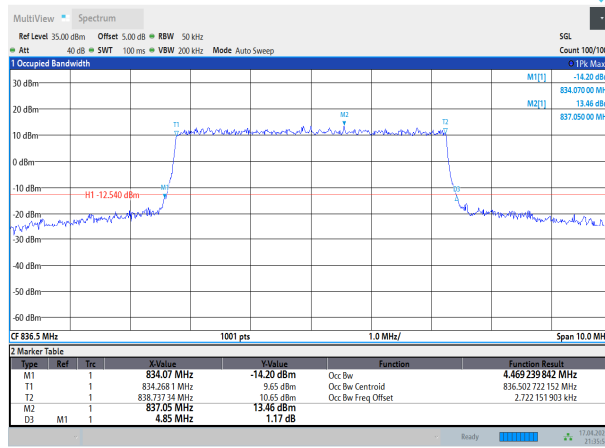
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Band5-5MHz-QPSK-20425-25RB#0



21:35:09 17.04.2023

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



21:35:56 17.04.2023

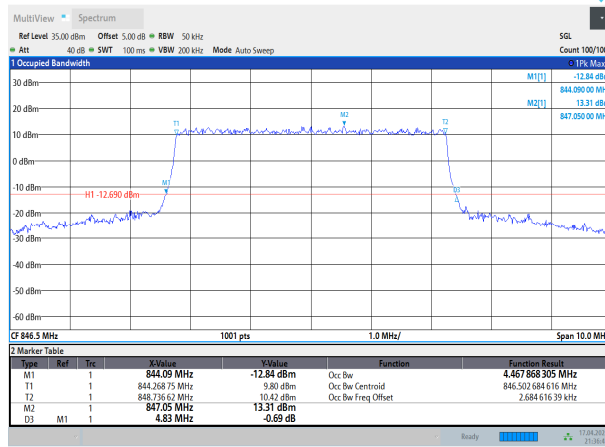


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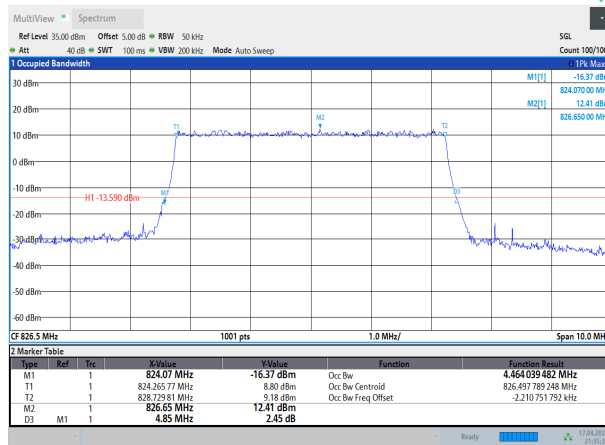
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Band5-5MHz-QPSK-20625-25RB#0



21:36:43 17.04.2023

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



21:35:32 17.04.2023

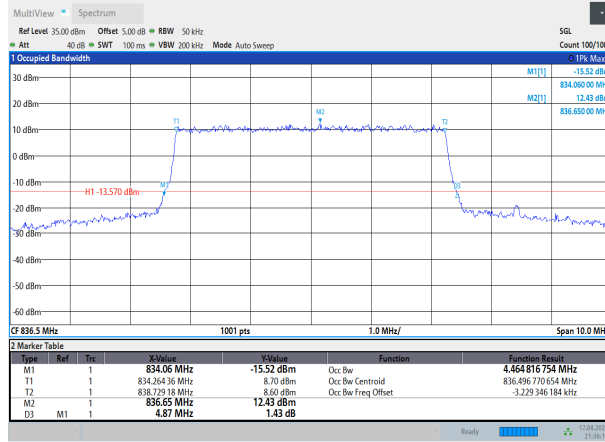


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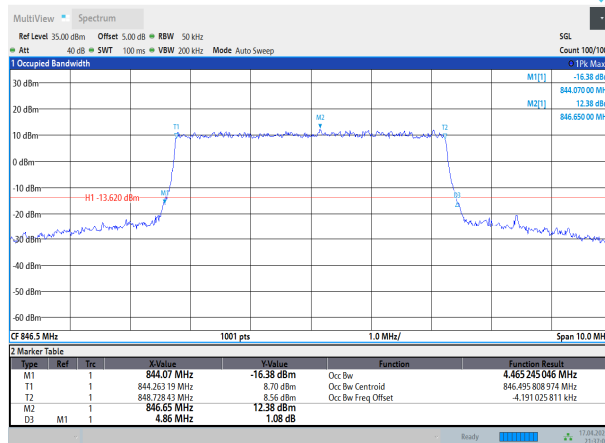
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Band5-5MHz-16QAM-20525-25RB#0



21:36:19 17.04.2023

Band5-5MHz-16QAM-20625-25RB#0



21:37:06 17.04.2023

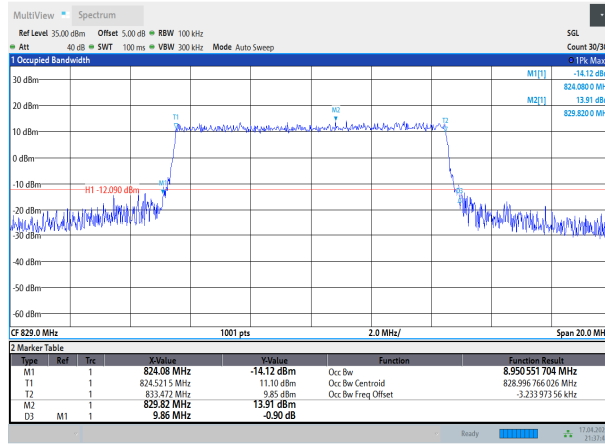


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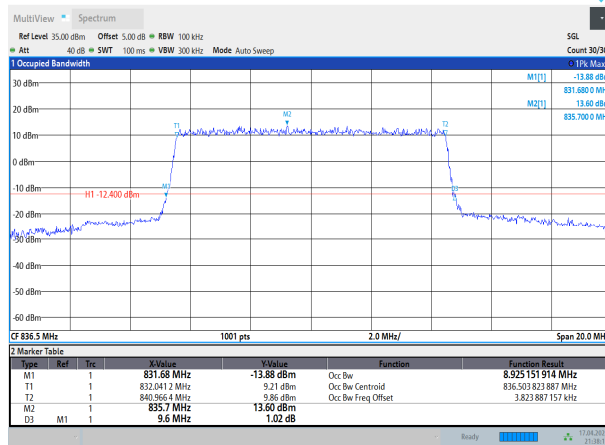
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Band5-10MHz-QPSK-20450-50RB#0



21:37:44 17.04.2023

Band5-10MHz-QPSK-20525-50RB#0



21:38:17 17.04.2023

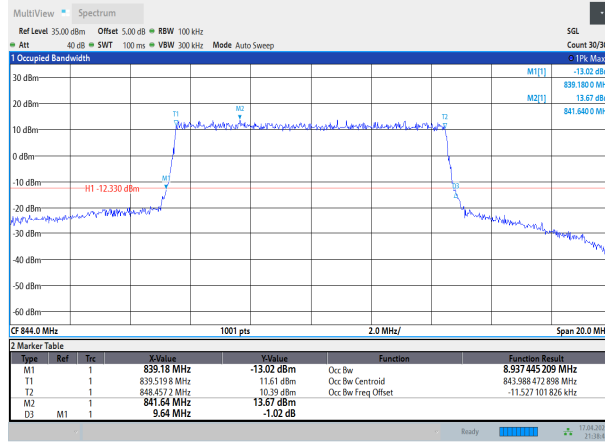


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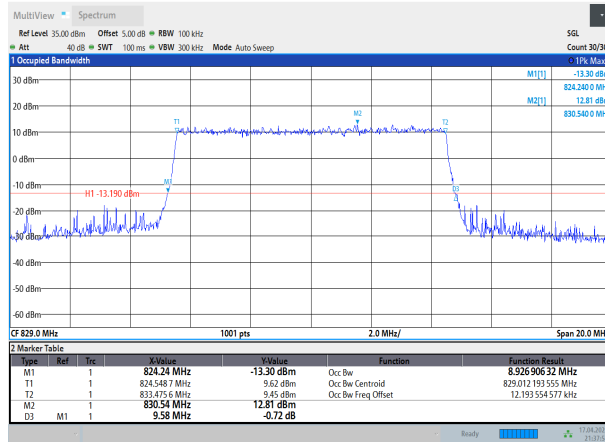
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Band5-10MHz-QPSK-20600-50RB#0



21:38:50 17.04.2023

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



21:38:00 17.04.2023

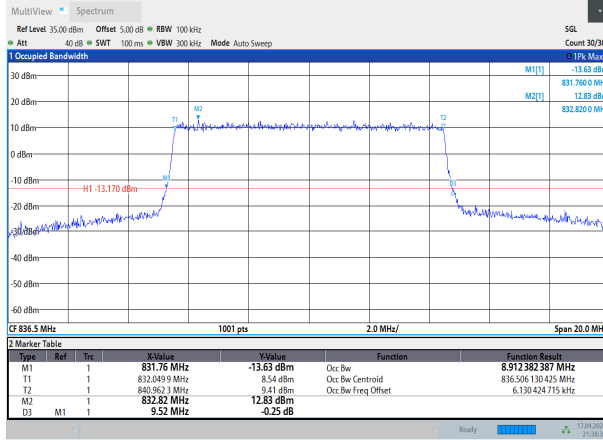


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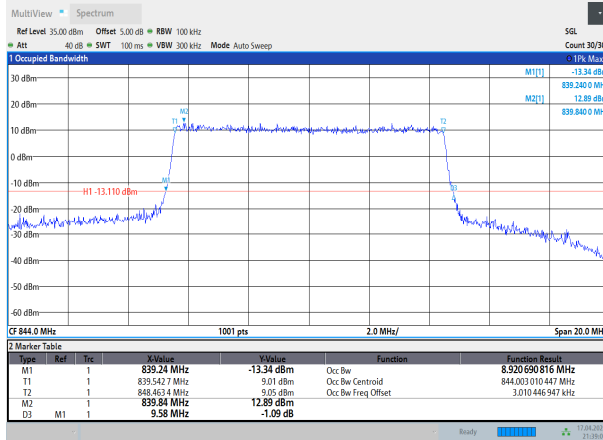
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Band5-10MHz-16QAM-20525-50RB#0



21:38:33 17.04.2023

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



21:39:06 17.04.2023



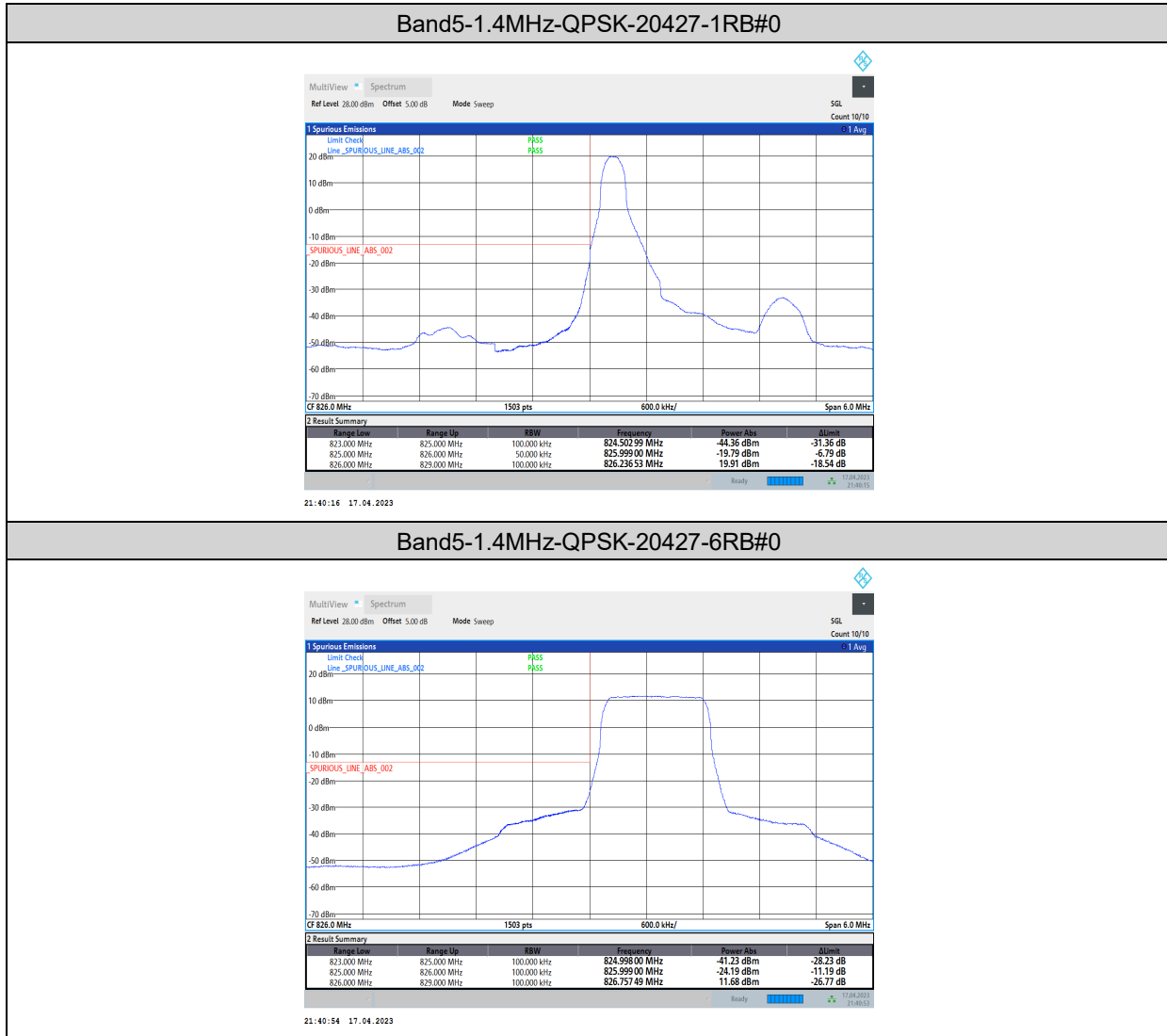
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Band Edge

Test Graphs

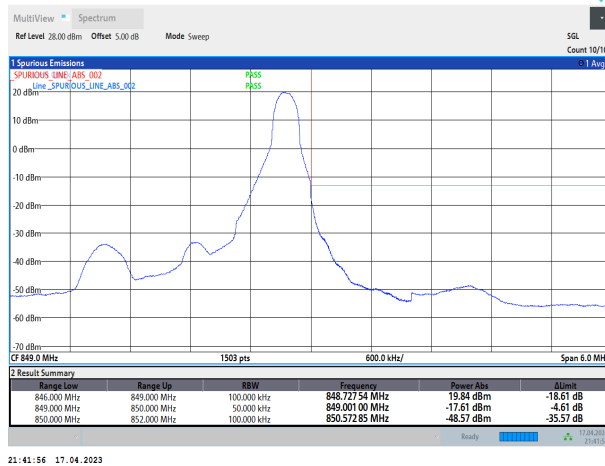


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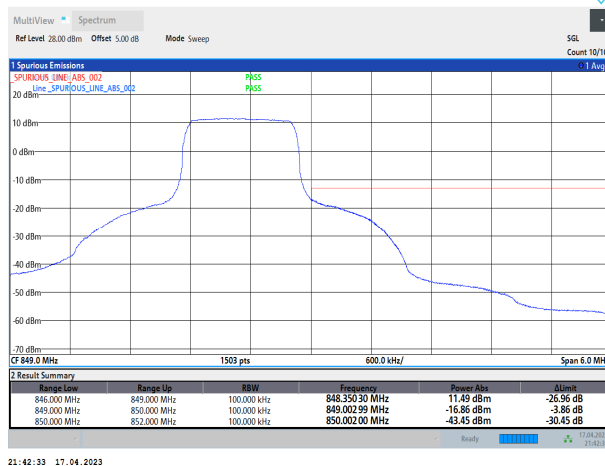
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Band5-1.4MHz-QPSK-20643-1RB#5



21:41:56 17.04.2023

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



21:42:33 17.04.2023

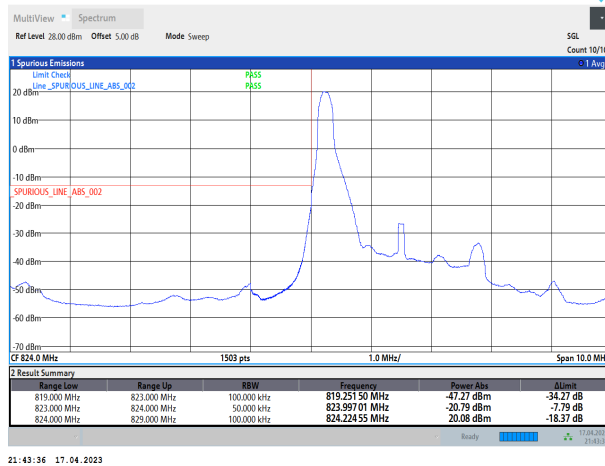


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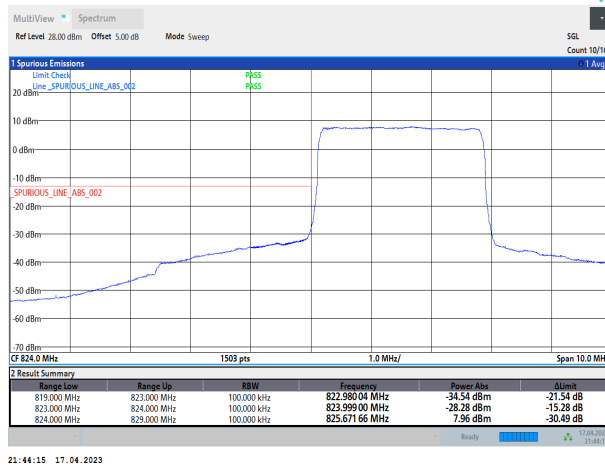
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Band5-3MHz-QPSK-20415-1RB#0



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

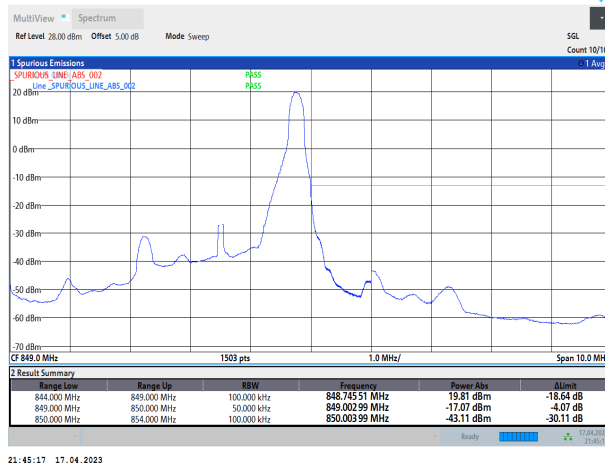


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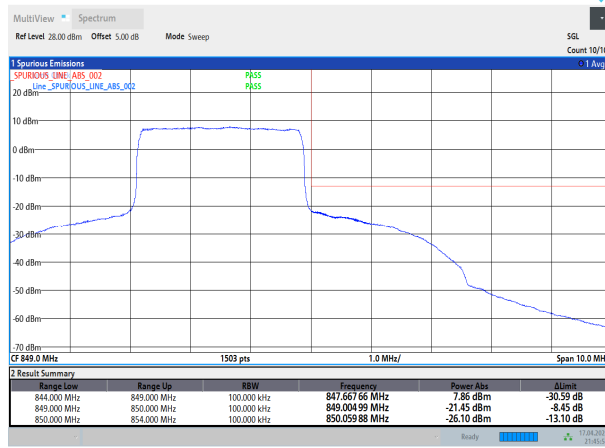
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Band5-3MHz-QPSK-20635-1RB#14



21:45:17 17. 04. 2023

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



21:45:55 17. 04. 2023

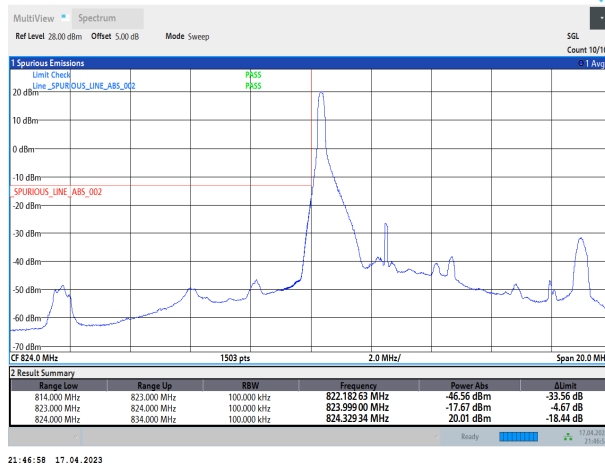


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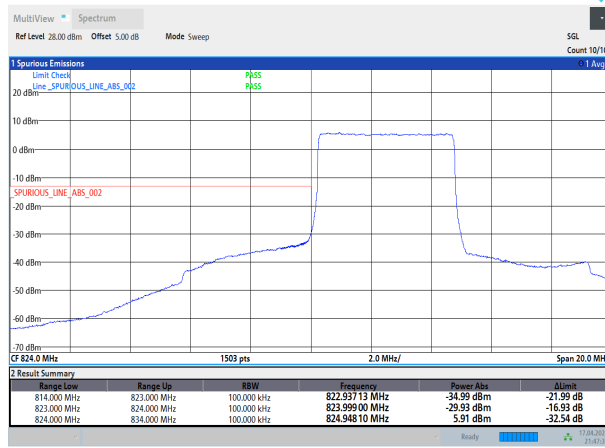
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Band5-5MHz-QPSK-20425-1RB#0



21:46:58 17. 04. 2023

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



21:47:35 17. 04. 2023

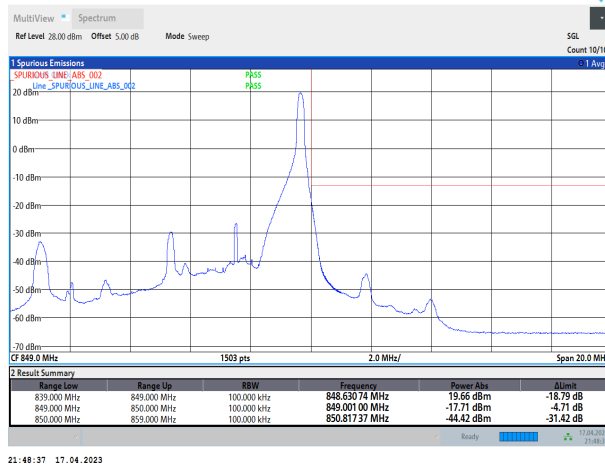


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Band5-5MHz-QPSK-20625-1RB#24



21:48:37 17.04.2023

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



21:49:15 17.04.2023

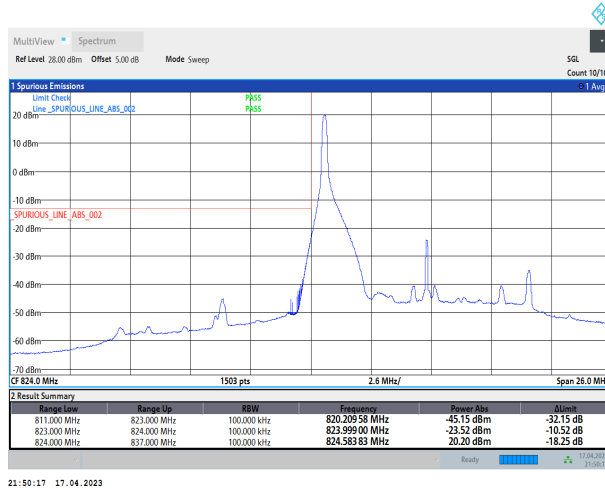


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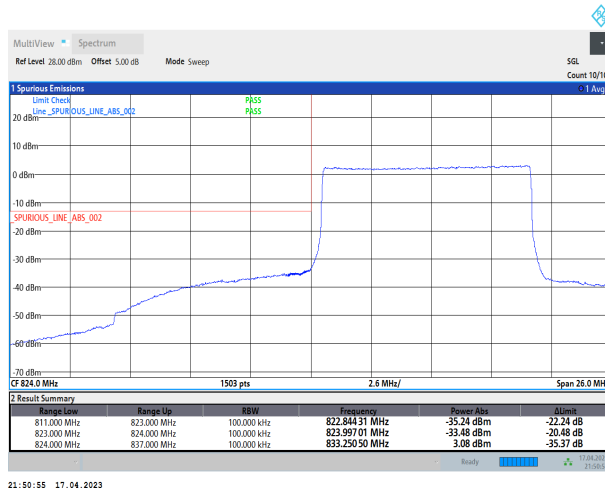
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Band5-10MHz-QPSK-20450-1RB#0



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

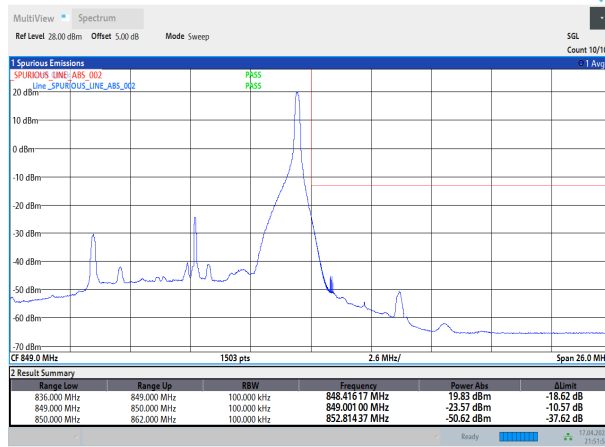


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Band5-10MHz-QPSK-20600-1RB#49



21:51:57 17.04.2023

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



21:52:35 17.04.2023



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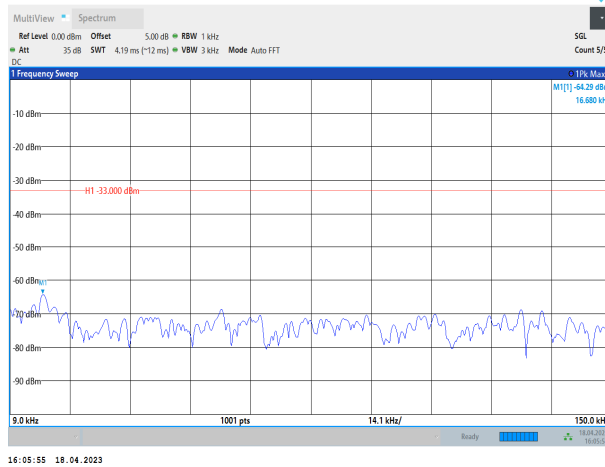
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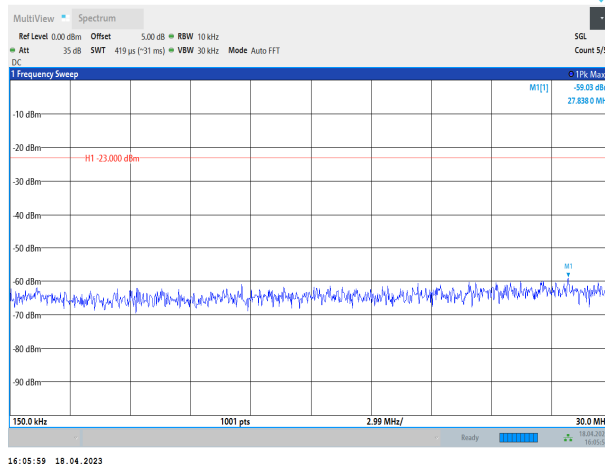
Conducted Spurious Emission

Test Graphs

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



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

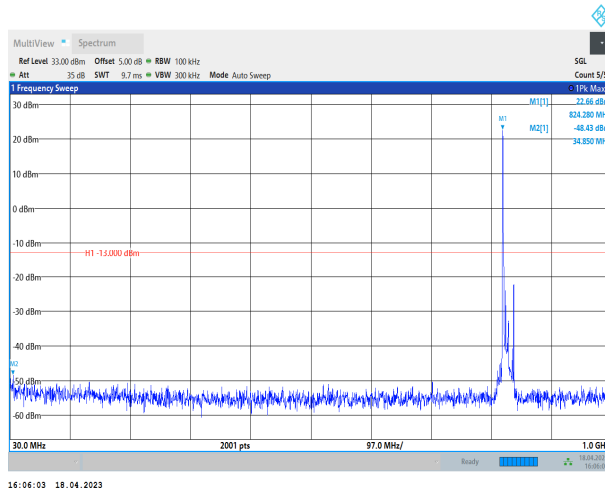


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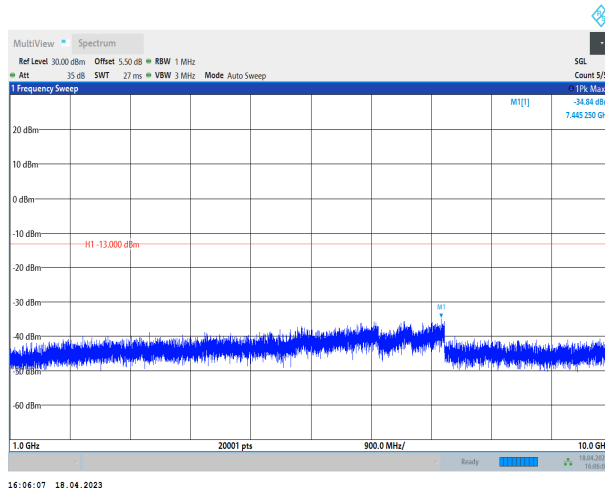
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Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



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

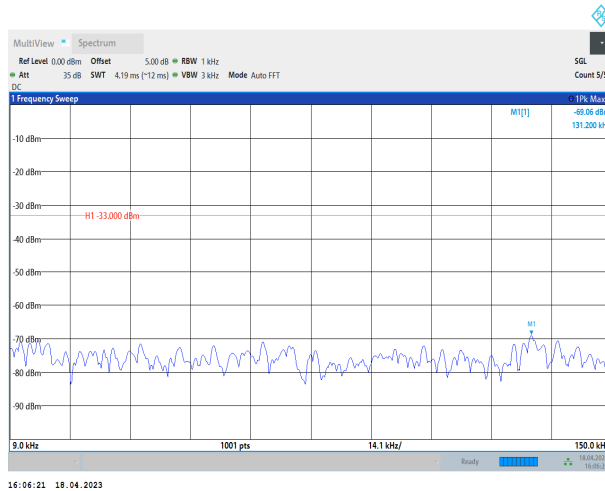


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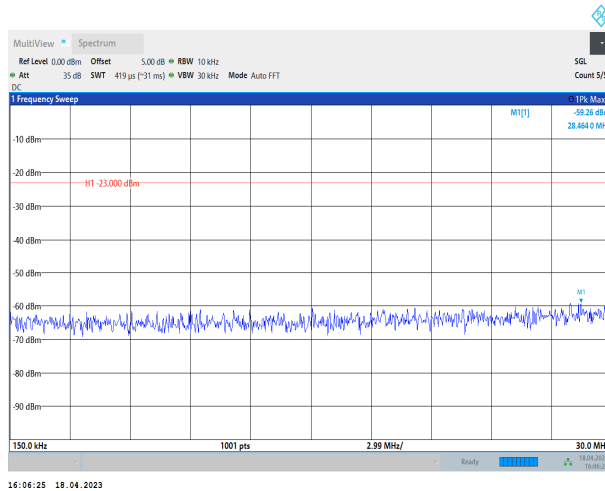
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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



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

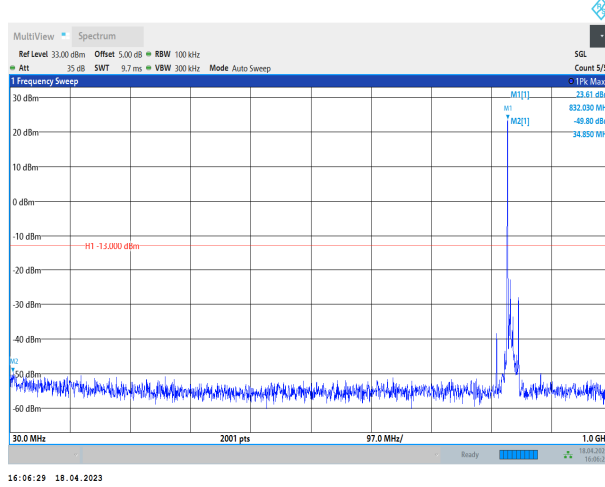


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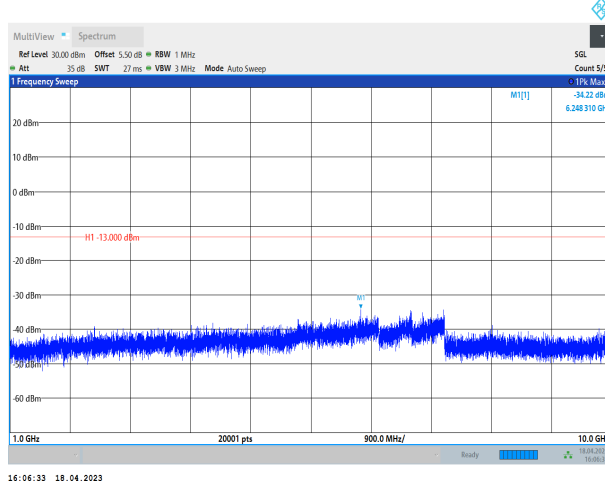
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Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



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

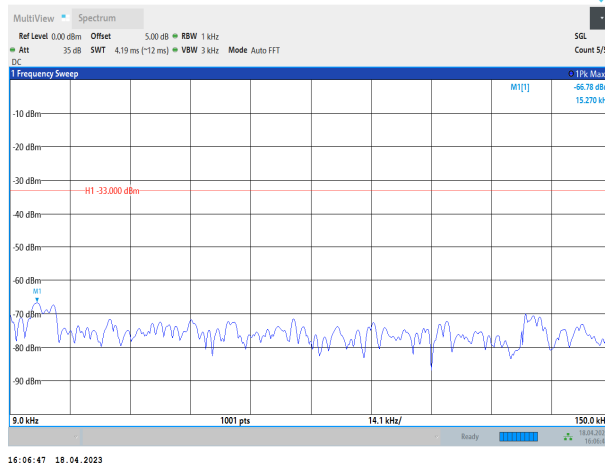


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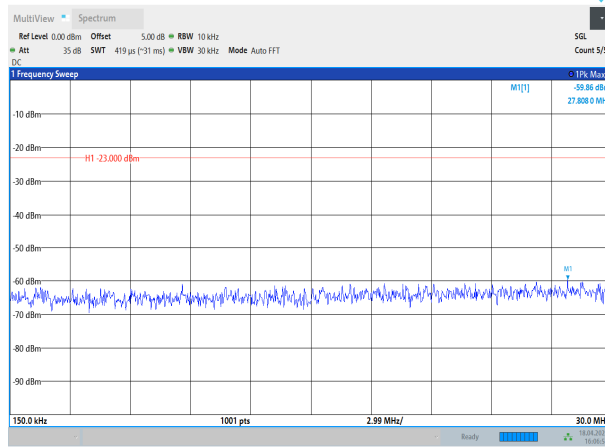
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



16:06:47 18.04.2023

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



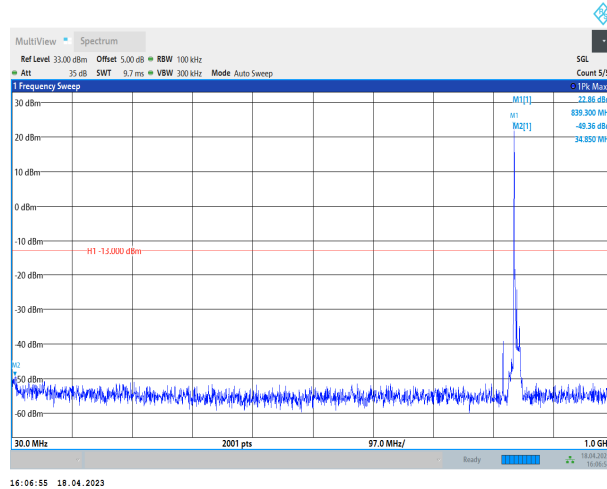
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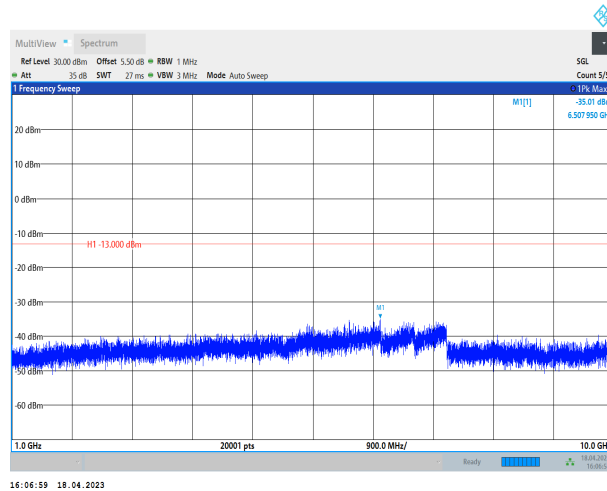
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE_B5_10MHz_TM1

Test Channel = LCH

Final Data List										
NO	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height[cm]	Angle [°]	Polarity
1	1649.0471	63.75	-52.88	25.90	-58.49	-13.00	45.49	263	17	Horizontal
2	2473.7278	74.43	-51.24	27.95	-44.12	-13.00	31.12	254	187	Horizontal
3	3298.4085	55.18	-49.73	30.70	-59.11	-13.00	46.11	211	84	Horizontal
4	5097.1742	51.76	-44.07	33.49	-54.08	-13.00	41.08	226	273	Horizontal
5	7510.0146	50.12	-42.47	36.64	-50.97	-13.00	37.97	325	280	Horizontal
6	9048.5442	49.48	-40.10	38.70	-47.18	-13.00	34.18	210	180	Horizontal

Final Data List										
NO	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height[cm]	Angle [°]	Polarity
1	1649.0471	60.88	-52.88	25.90	-61.36	-13.00	48.36	152	131	Vertical
2	2473.7278	76.25	-51.24	27.95	-42.30	-13.00	29.30	254	297	Vertical
3	3553.7587	53.25	-48.99	30.11	-60.89	-13.00	47.89	116	203	Vertical
4	5260.2074	52.55	-44.39	33.36	-53.74	-13.00	40.74	332	318	Vertical
5	7374.4964	50.54	-42.66	36.85	-50.53	-13.00	37.53	254	358	Vertical
6	9045.7156	49.64	-40.15	38.71	-47.06	-13.00	34.06	148	297	Vertical



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Test Band = LTE_B5_10MHz_TM1

Test Channel = MCH

Final Data List										
NO	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height[cm]	Angle [°]	Polarity
1	1321.4378	55.98	-53.94	25.73	-67.49	-13.00	54.49	226	319	Horizontal
2	1663.9618	61.47	-52.81	25.87	-60.73	-13.00	47.73	254	26	Horizontal
3	2496.357	71.99	-51.21	27.99	-46.49	-13.00	33.49	156	172	Horizontal
4	3328.4951	54.27	-49.72	30.13	-60.58	-13.00	47.58	325	80	Horizontal
5	5524.3007	51.97	-43.31	33.15	-53.45	-13.00	40.45	223	26	Horizontal
6	9033.6295	49.37	-40.34	38.73	-47.50	-13.00	34.50	201	278	Horizontal

Final Data List										
NO	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height[cm]	Angle [°]	Polarity
1	1201.6058	55.62	-53.50	25.60	-67.54	-13.00	54.54	163	54	Vertical
2	1664.219	59.63	-52.81	25.87	-62.57	-13.00	49.57	254	133	Vertical
3	2496.357	76.67	-51.21	27.99	-41.81	-13.00	28.81	155	292	Vertical
4	3987.5711	52.92	-47.97	31.05	-59.26	-13.00	46.26	226	81	Vertical
5	7372.6964	50.59	-42.67	36.85	-50.49	-13.00	37.49	320	326	Vertical
6	9578.5308	48.16	-39.57	39.16	-47.51	-13.00	34.51	116	34	Vertical



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Test Band = LTE_B5_10MHz_TM1

Test Channel = HCH

Final Data List										
NO	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height[cm]	Angle [°]	Polarity
1	1169.462	56.00	-53.41	25.78	-66.89	-13.00	53.89	230	78	Horizontal
2	1679.1337	60.57	-52.74	25.84	-61.59	-13.00	48.59	254	12	Horizontal
3	2518.9863	71.61	-51.09	28.11	-46.63	-13.00	33.63	254	333	Horizontal
4	3757.1645	53.08	-48.79	30.50	-60.47	-13.00	47.47	211	165	Horizontal
5	5727.4494	51.88	-43.89	33.72	-53.55	-13.00	40.55	325	185	Horizontal
6	9567.4734	48.57	-39.68	39.13	-47.24	-13.00	34.24	218	64	Horizontal

Final Data List										
NO	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height[cm]	Angle [°]	Polarity
1	1679.1337	60.20	-52.74	25.84	-61.96	-13.00	48.96	263	313	Vertical
2	2518.7291	75.87	-51.09	28.11	-42.37	-13.00	29.37	254	313	Vertical
3	3299.9514	53.52	-49.72	30.70	-60.76	-13.00	47.76	163	239	Vertical
4	5138.5754	52.38	-44.26	33.58	-53.56	-13.00	40.56	228	75	Vertical
5	7381.1823	50.39	-42.63	36.84	-50.66	-13.00	37.66	326	49	Vertical
6	9722.0206	48.60	-39.10	38.74	-47.02	-13.00	34.02	246	246	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) - Pre-amplifier (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	-4.40	-0.005260	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-4.20	-0.005021	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-7.10	-0.008488	±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	-3.70	-0.004423	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-8.60	-0.010281	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-6.20	-0.007412	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-7.10	-0.008488	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-10.60	-0.012672	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-7.40	-0.008846	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-6.20	-0.007412	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-1.20	-0.001435	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-6.20	-0.007412	±2.5	PASS

---End of Attachment---



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