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Rev.: 02

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Appendix B.3

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	23.06	19.61	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.12	19.67	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.03	19.58	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.16	18.71	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.87	19.42	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.06	19.61	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.88	19.43	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.99	18.54	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.78	19.33	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.97	19.52	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.93	19.48	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.96	18.51	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.38	18.93	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.47	19.02	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.34	18.89	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.29	17.84	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.19	18.74	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.3	18.85	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.23	18.78	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.05	17.6	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.13	18.68	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.44	18.99	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.99	18.54	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.08	17.63	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.63	18.18	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.52	18.07	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.29	17.84	38.45	PASS



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Band5	1.4MHz	64QAM	20407	6RB#0	20.21	16.76	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	20.7	17.25	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.45	18	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.44	17.99	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.04	16.59	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.2	17.75	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.21	17.76	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	20.98	17.53	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20	16.55	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.27	19.82	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.18	19.73	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.17	19.72	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.3	18.85	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.06	19.61	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.04	19.59	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.02	19.57	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.08	18.63	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.89	19.44	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.01	19.56	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.5	19.05	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.09	18.64	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.42	18.97	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.66	19.21	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.57	19.12	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.29	17.84	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.33	18.88	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.33	18.88	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.19	18.74	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.13	17.68	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.26	18.81	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.29	18.84	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.78	18.33	38.45	PASS



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Band5	3MHz	16QAM	20635	15RB#0	21.08	17.63	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.56	18.11	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.47	18.02	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.43	17.98	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.36	16.91	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.17	17.72	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.38	17.93	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.38	17.93	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.18	16.73	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	20.42	16.97	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	20.37	16.92	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	20	16.55	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	19.26	15.81	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.18	19.73	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.15	19.7	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.08	19.63	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.22	18.77	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.14	19.69	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.06	19.61	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.06	19.61	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.13	18.68	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.68	19.23	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.84	19.39	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.54	19.09	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.98	18.53	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.59	19.14	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.56	19.11	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.49	19.04	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.26	17.81	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.53	19.08	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.31	18.86	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.08	18.63	38.45	PASS



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Band5	5MHz	16QAM	20525	25RB#0	21.03	17.58	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.97	18.52	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.18	18.73	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.94	18.49	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.06	17.61	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.47	18.02	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.31	17.86	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.25	17.8	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.25	16.8	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.34	17.89	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.2	17.75	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.37	17.92	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.06	16.61	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	19.86	16.41	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	20.33	16.88	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	20.04	16.59	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	19.15	15.7	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.06	19.61	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.11	19.66	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.1	19.65	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.27	18.82	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.25	19.8	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.03	19.58	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.94	19.49	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.19	18.74	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.13	19.68	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.86	19.41	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.82	19.37	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.05	18.6	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.42	18.97	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.36	18.91	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.48	19.03	38.45	PASS



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Band5	10MHz	16QAM	20525	1RB#0	22.36	18.91	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.32	18.87	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.34	18.89	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.21	17.76	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.23	18.78	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.27	18.82	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.41	18.96	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.16	17.71	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.32	17.87	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.2	17.75	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.38	17.93	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.32	16.87	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.29	17.84	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.3	17.85	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	20.98	17.53	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.16	16.71	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.25	17.8	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.36	17.91	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.29	17.84	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.15	16.7	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	5.38	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.04	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.24	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.18	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.88	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.02	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.76	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.42	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.58	13	PASS

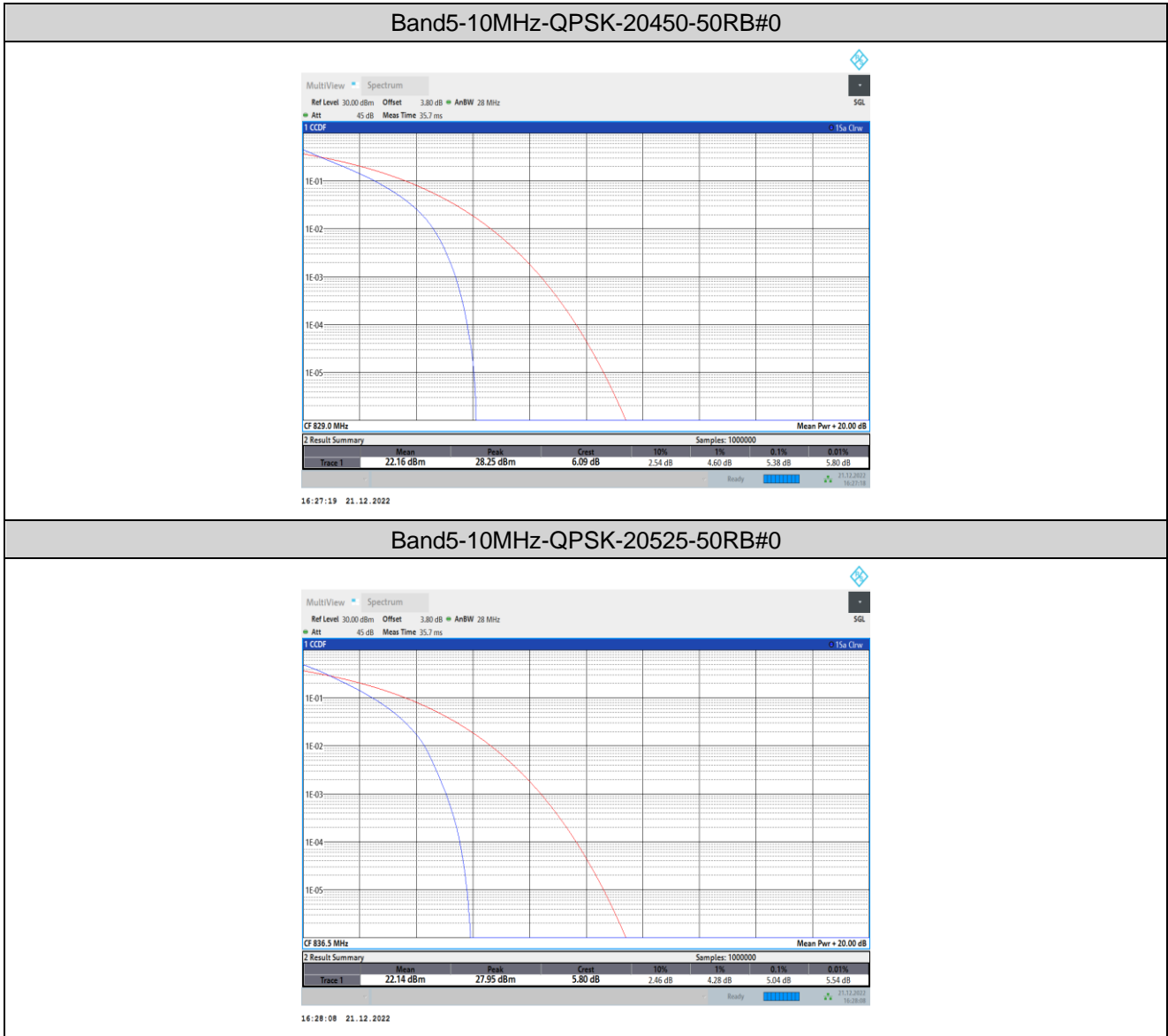


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Test Graphs

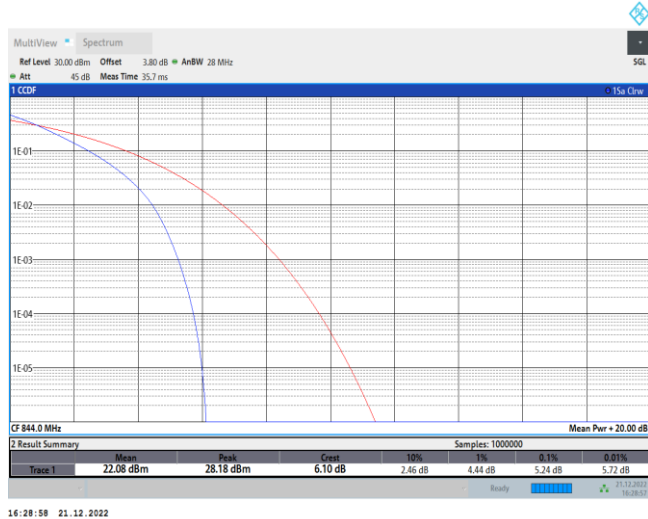


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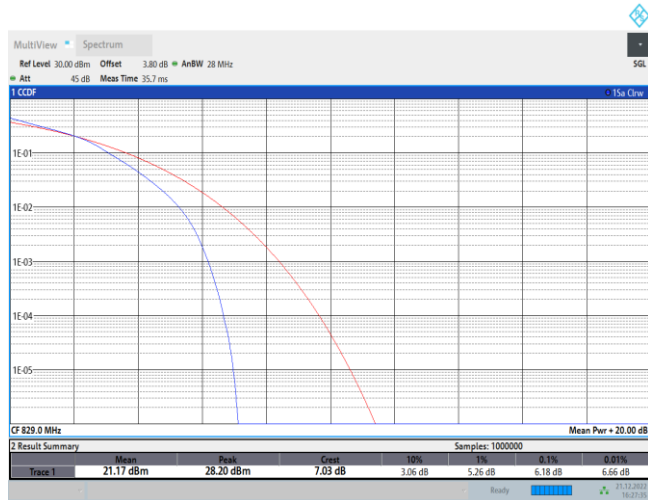
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Band5-10MHz-QPSK-20600-50RB#0



16:28:58 21.12.2022

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



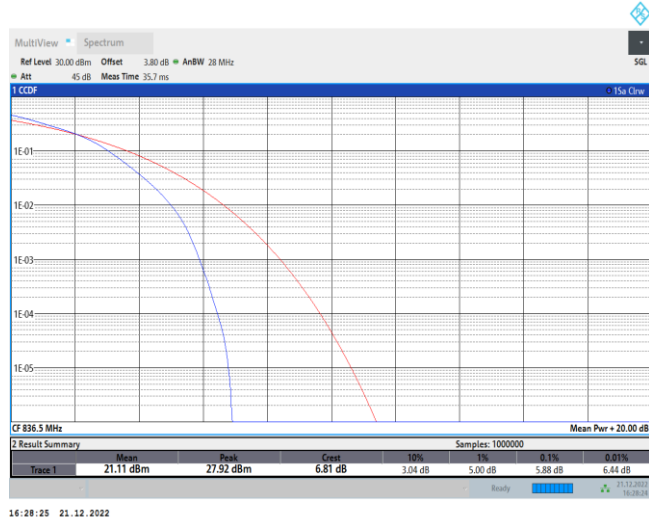
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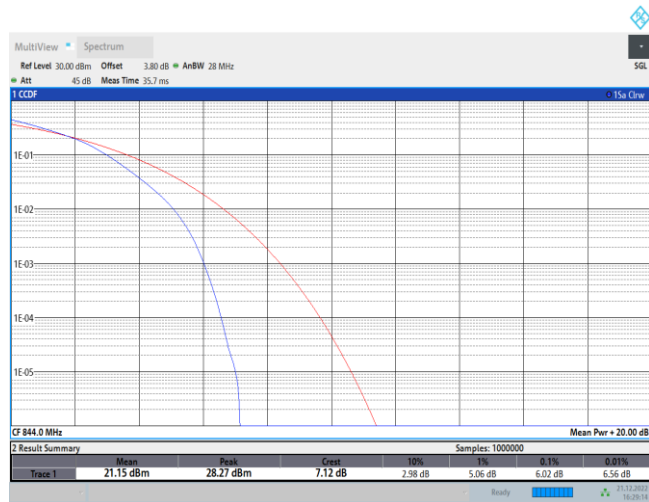
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Band5-10MHz-16QAM-20525-50RB#0



16:28:25 21.12.2022

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



16:29:14 21.12.2022

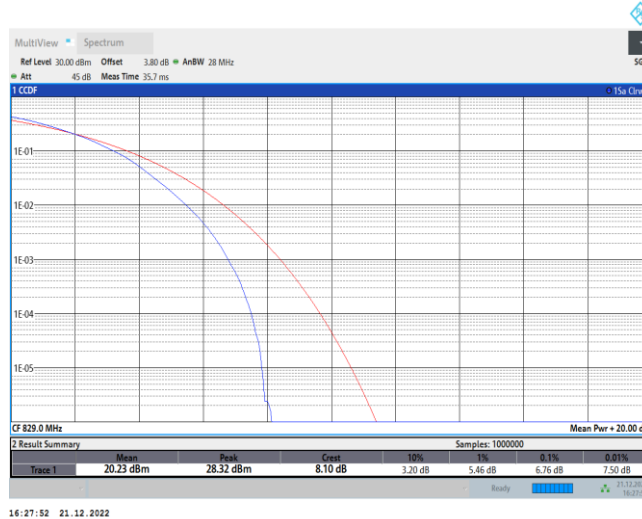


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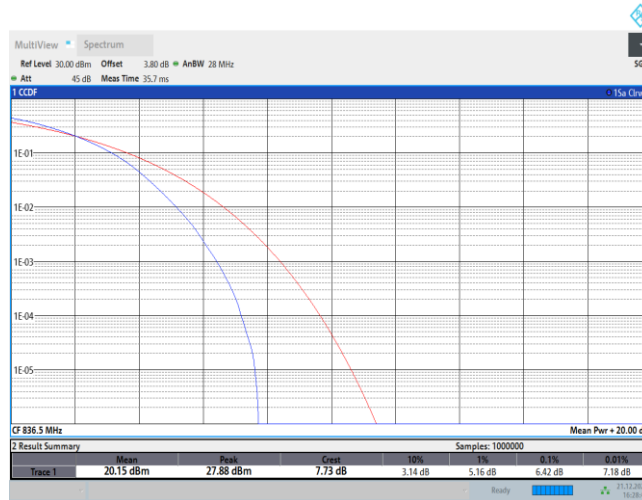
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Band5-10MHz-64QAM-20450-50RB#0



16:27:52 21.12.2022

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



16:28:41 21.12.2022

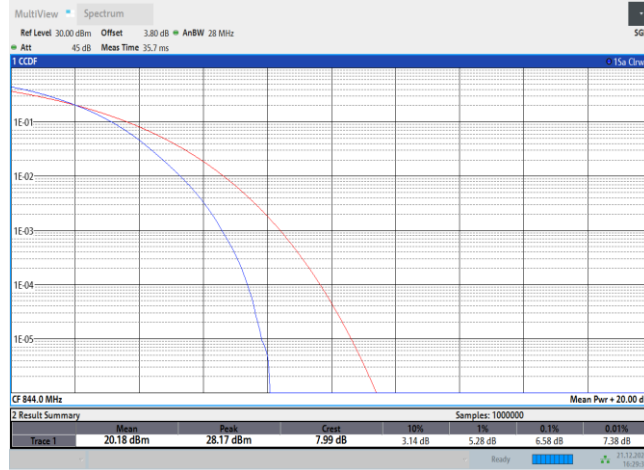


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Band5-10MHz-64QAM-20600-50RB#0



16:29:31 21.12.2022



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



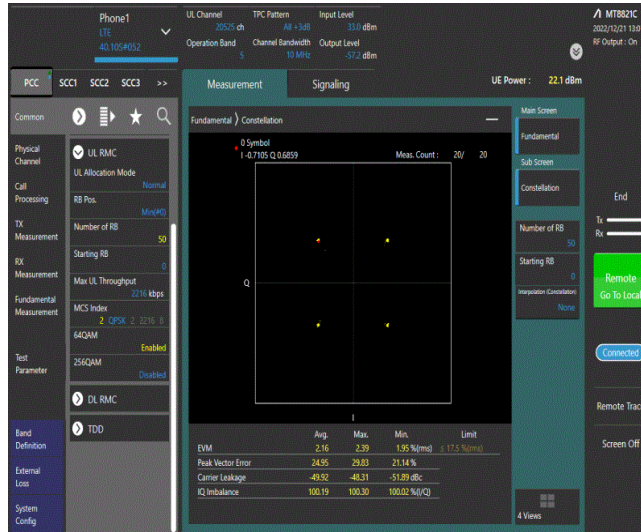
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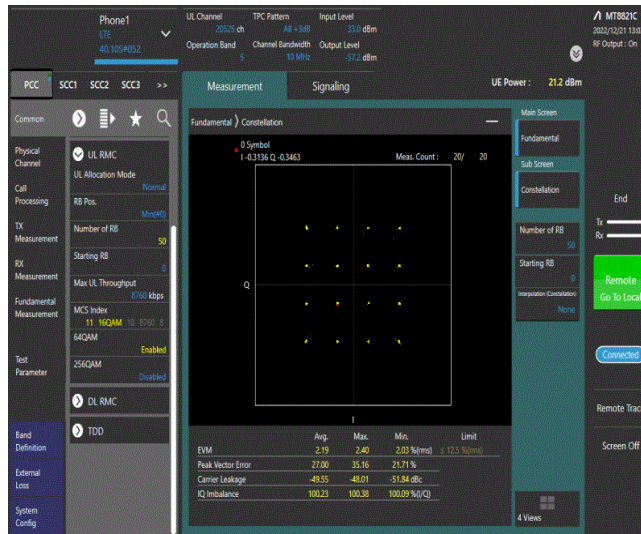
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Test Graphs

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

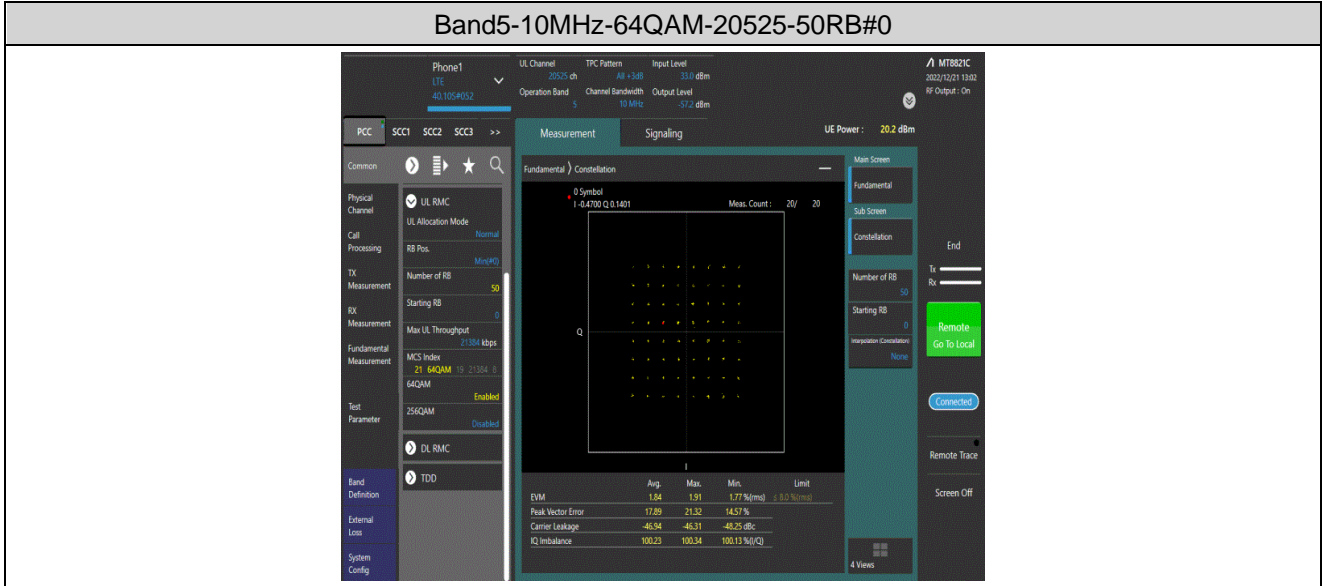


Band5-10MHz-16QAM-20525-50RB#0



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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	1.084	1.23	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.084	1.23	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.084	1.23	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.092	1.24	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.092	1.24	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.092	1.24	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.09	1.24	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.091	1.24	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.091	1.24	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.69	2.98	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.69	2.98	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.689	2.97	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.689	2.99	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.684	2.99	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.685	2.99	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.691	2.96	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.686	2.97	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.688	2.95	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.474	4.89	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.466	4.88	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.464	4.86	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.466	4.89	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.465	4.88	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.466	4.88	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.48	4.90	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.472	4.90	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.476	4.88	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.95	9.68	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.891	9.58	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.938	9.66	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.932	9.64	PASS



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Report No.: SEWM2212000309RG01

Rev.: 02

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Band5	10MHz	16QAM	20525	50RB#0	8.883	9.54	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.924	9.62	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.953	9.72	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.893	9.54	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.939	9.68	PASS



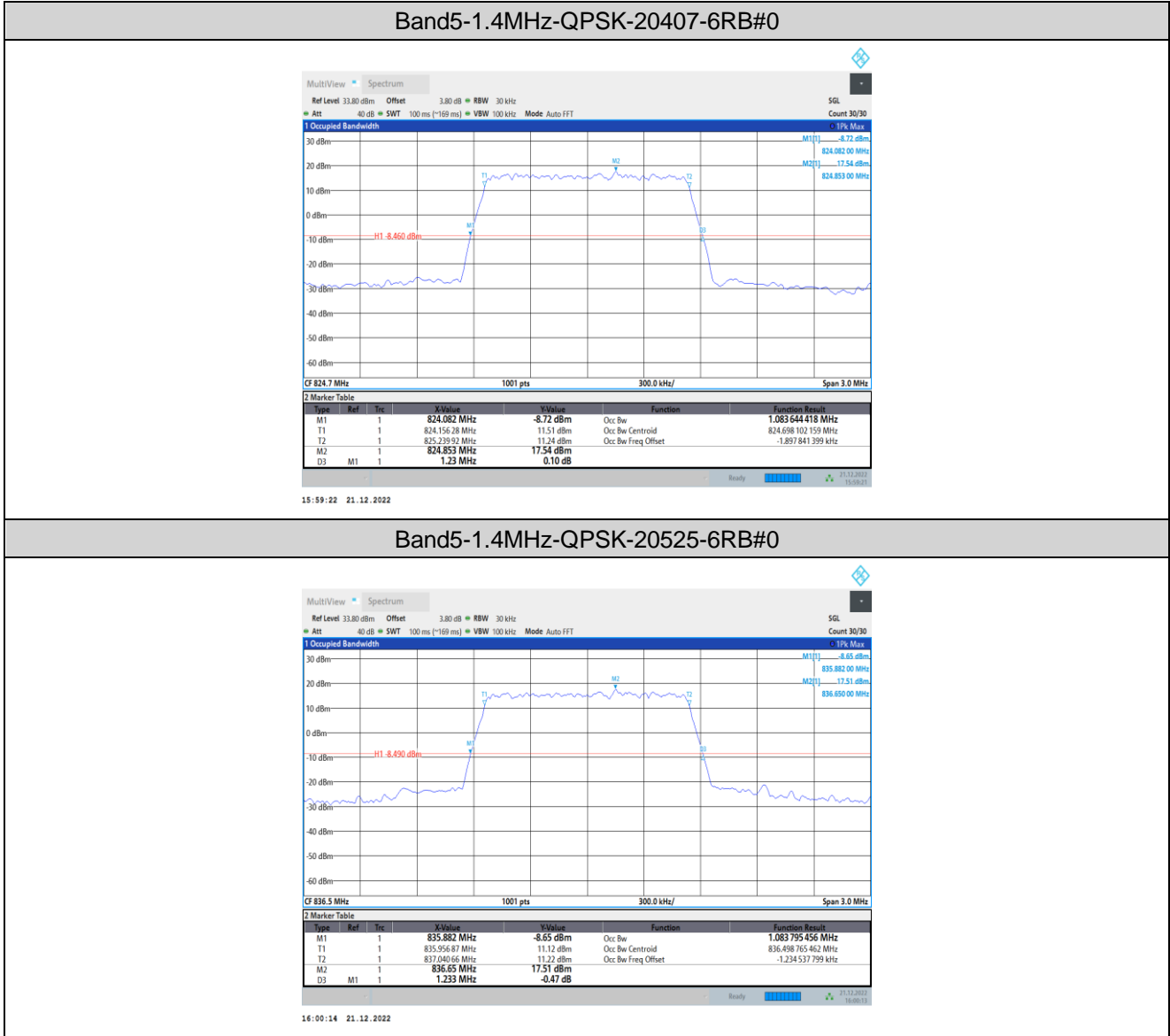
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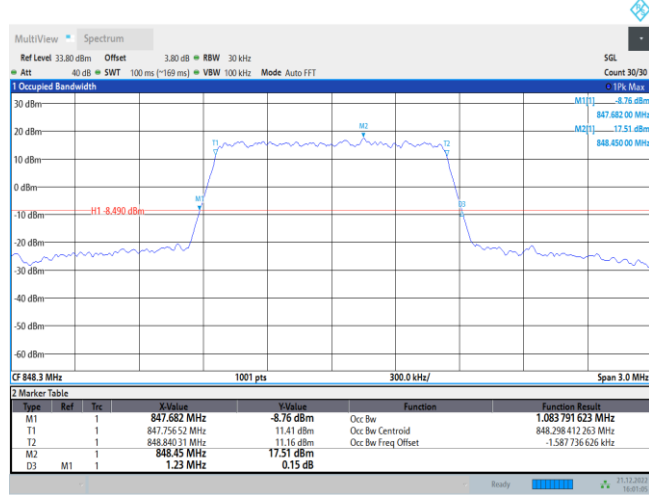
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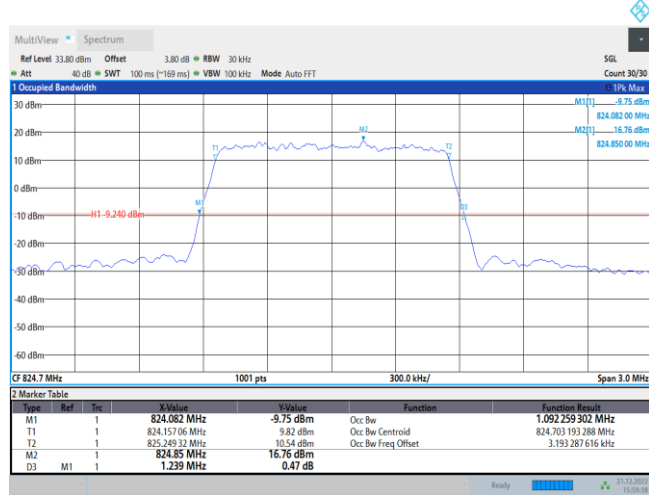
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Band5-1.4MHz-QPSK-20643-6RB#0



16:01:06 21.12.2022

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



15:59:39 21.12.2022



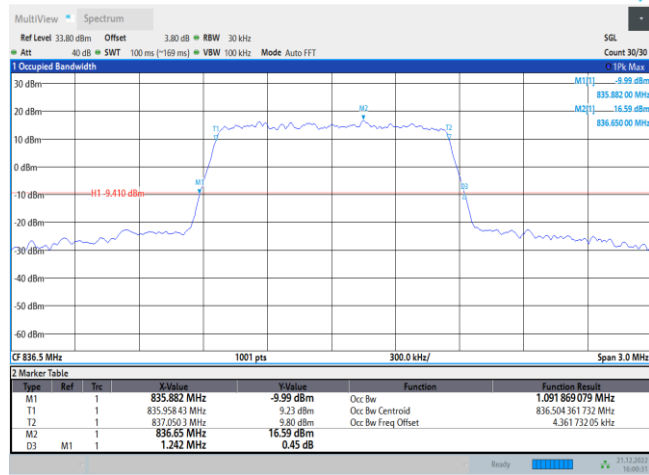
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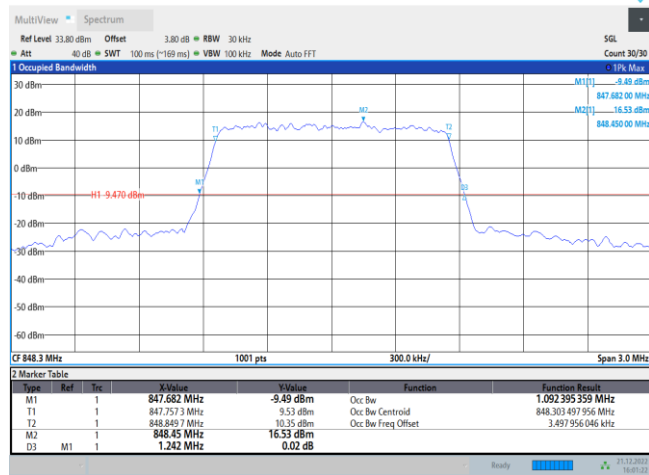
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Band5-1.4MHz-16QAM-20525-6RB#0



16:00:31 21.12.2022

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



16:01:23 21.12.2022



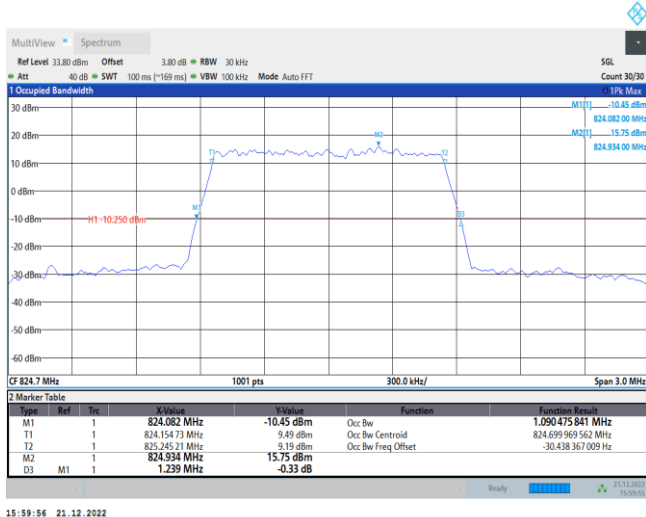
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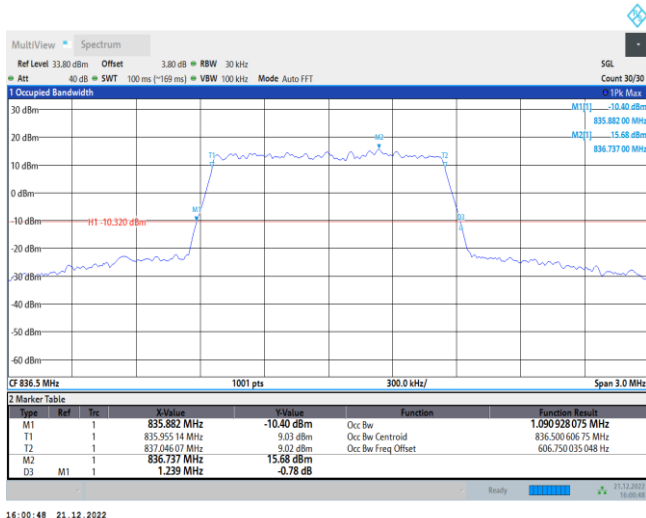
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Band5-1.4MHz-64QAM-20407-6RB#0



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



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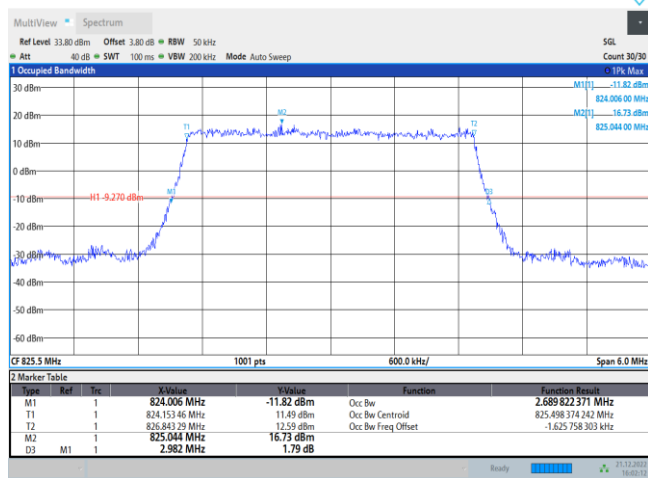
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16:01:40 21.12.2022

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



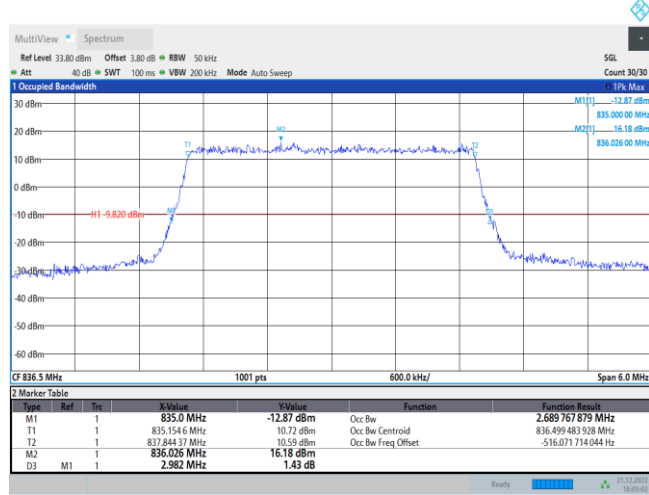
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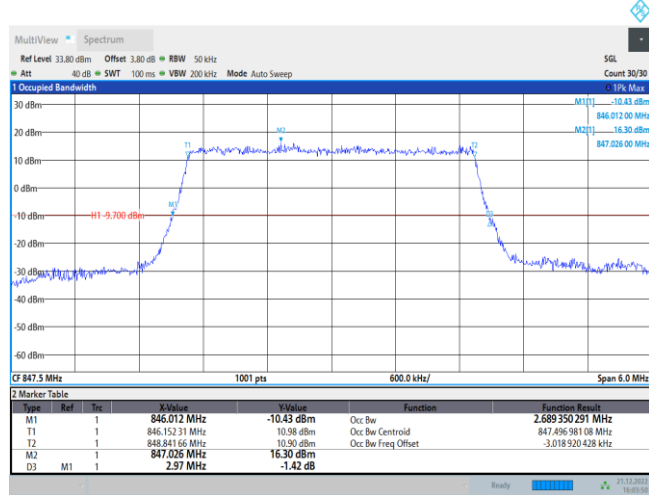
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Band5-3MHz-QPSK-20525-15RB#0



16:03:02 21.12.2022

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



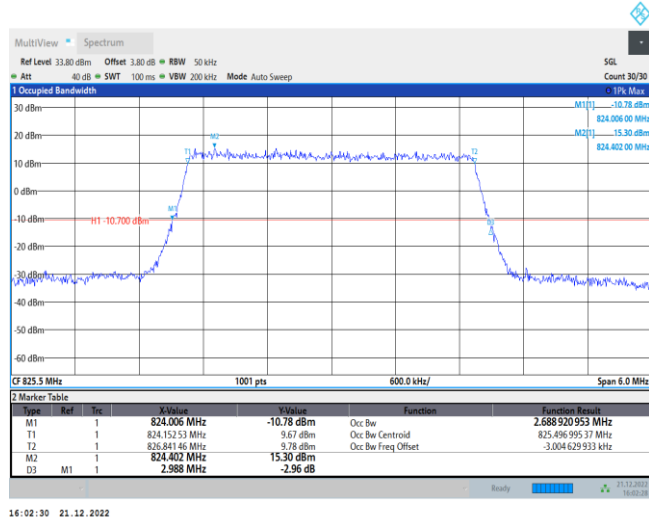
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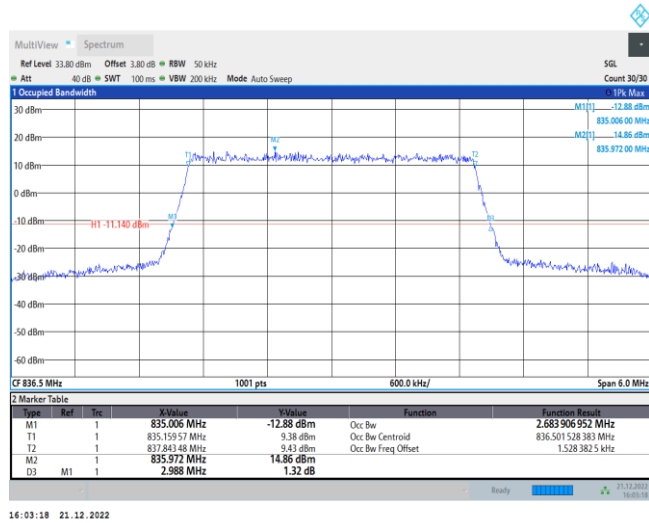
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Band5-3MHz-16QAM-20415-15RB#0



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

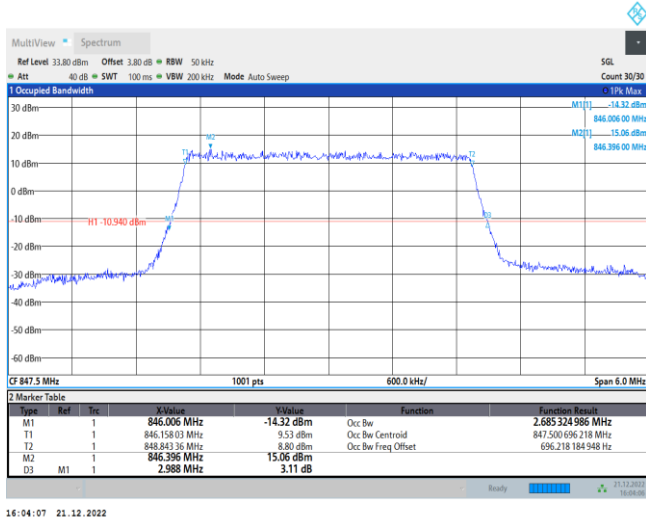


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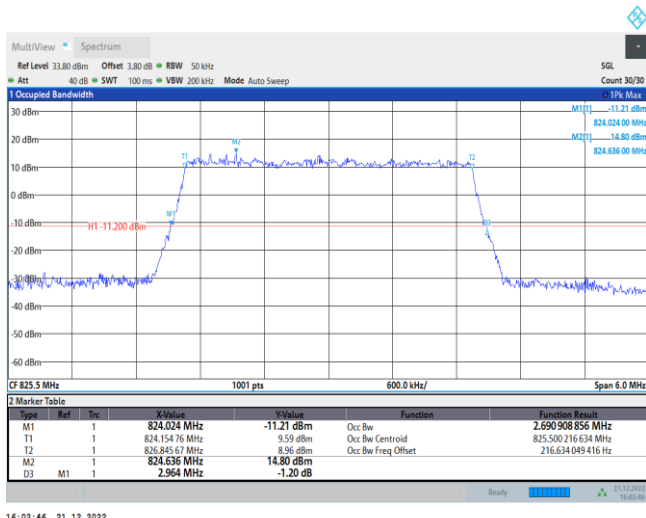
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Band5-3MHz-16QAM-20635-15RB#0



16:04:07 21.12.2022

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



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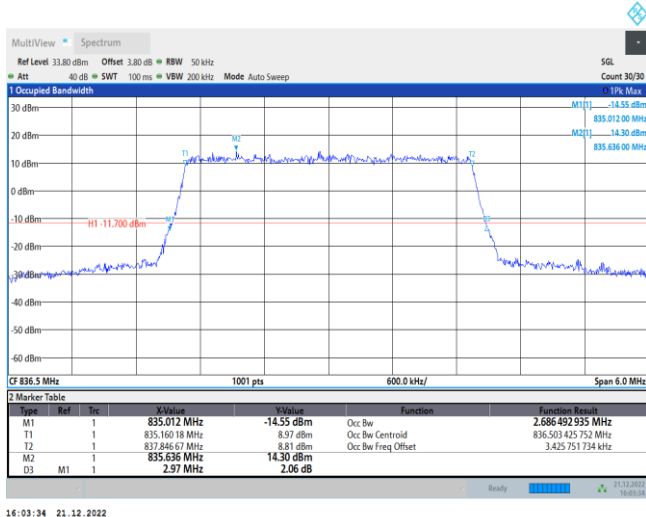


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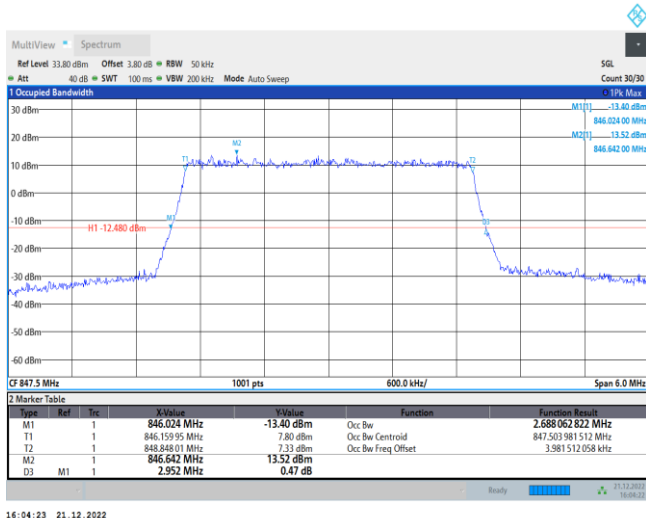
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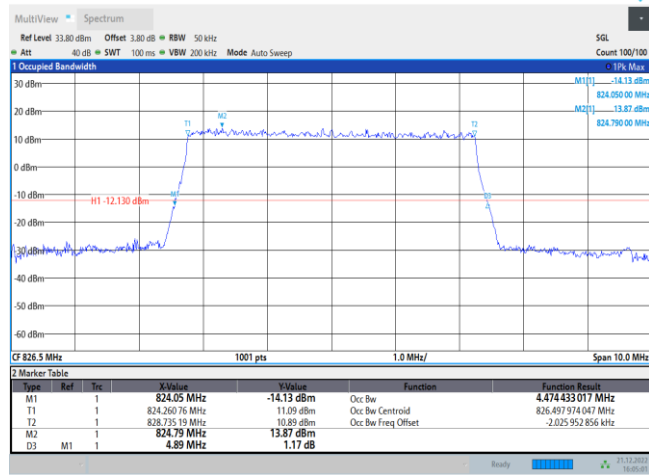
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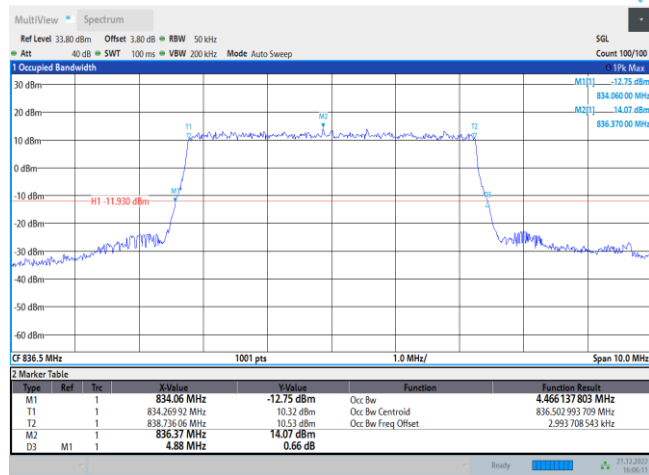
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16:05:01 21.12.2022

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



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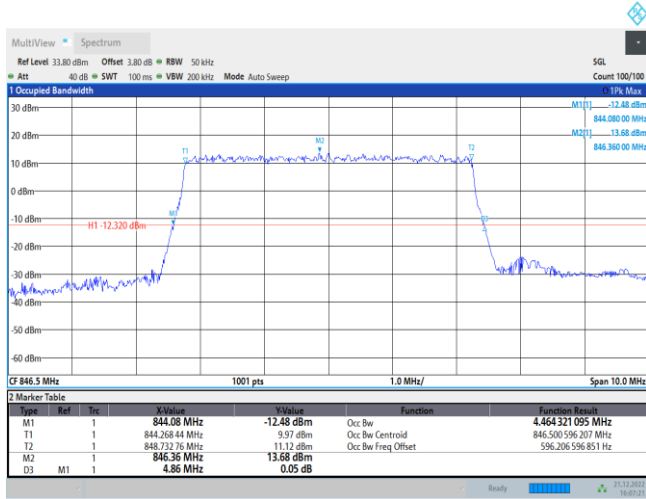


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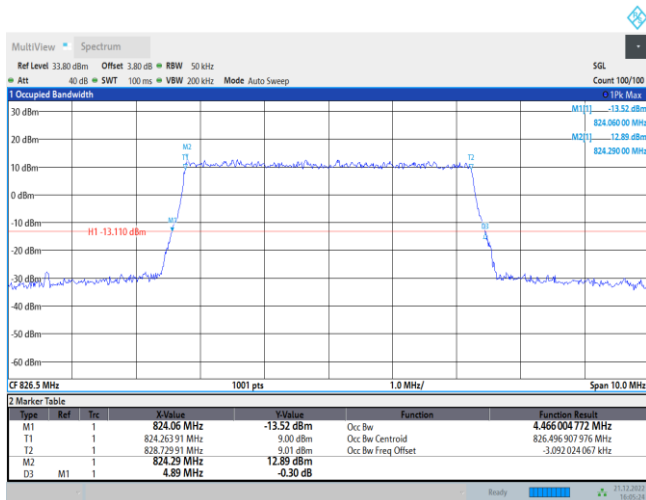
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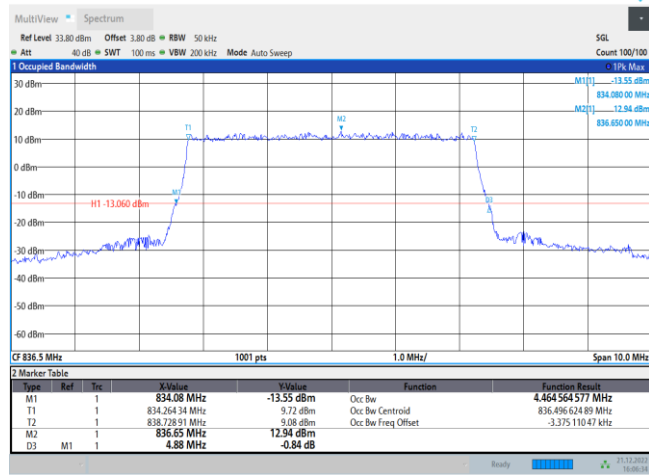
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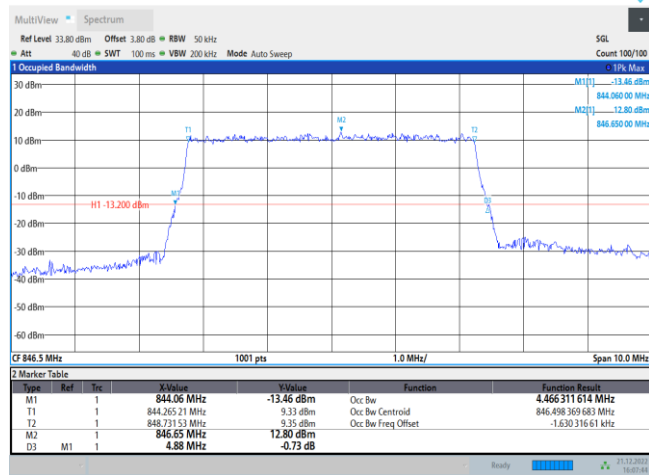
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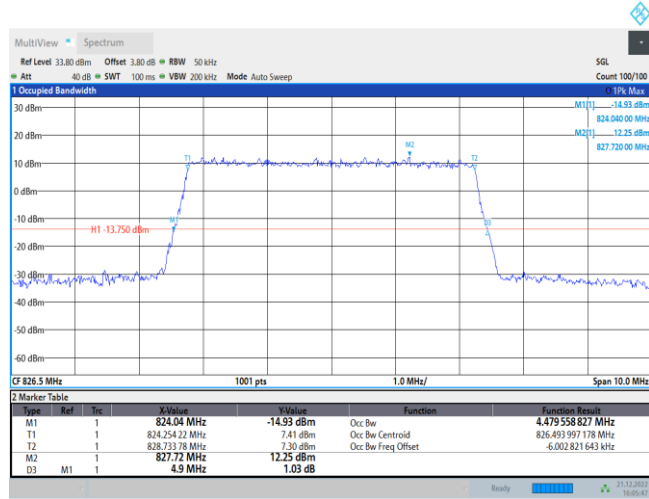


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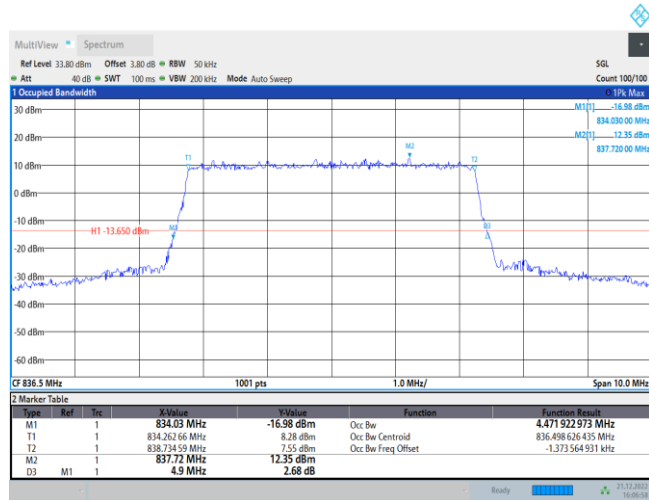
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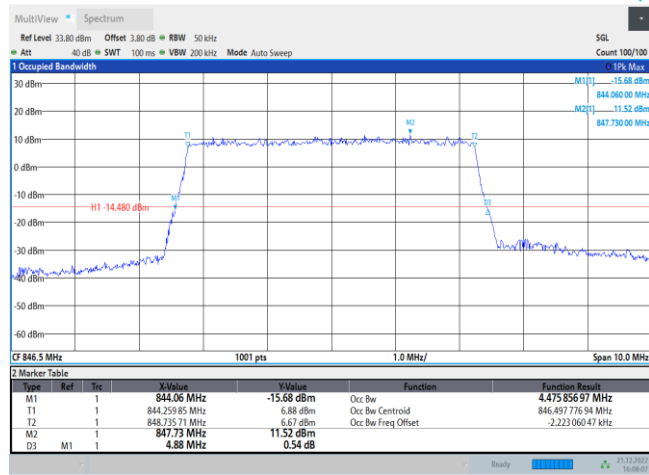
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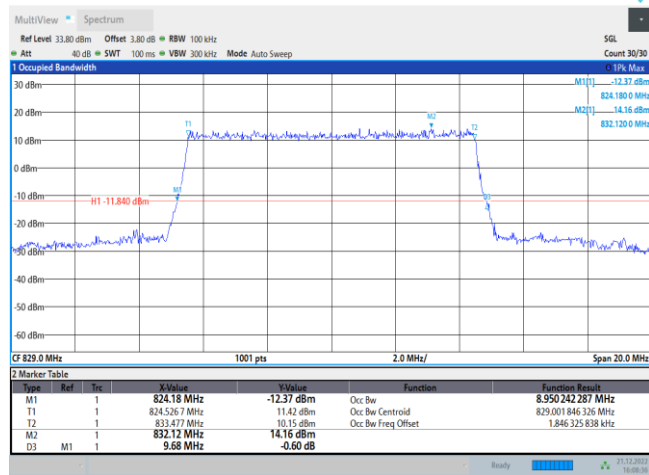
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Band5-5MHz-64QAM-20625-25RB#0



16:08:08 21.12.2022

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



16:08:37 21.12.2022

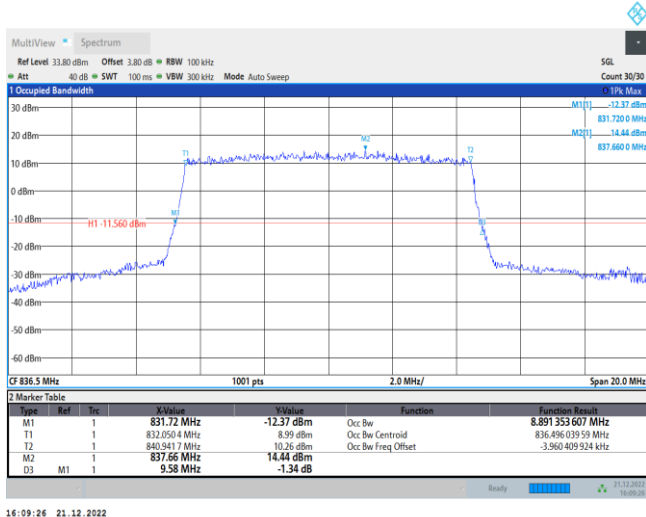


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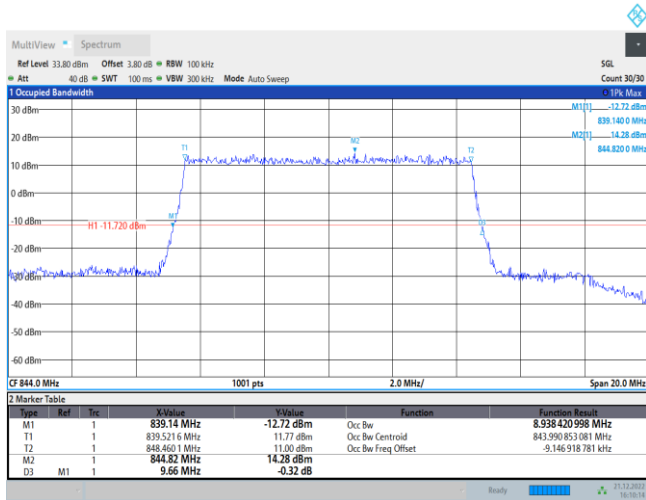
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Band5-10MHz-QPSK-20525-50RB#0



16:09:26 21.12.2022

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



16:10:15 21.12.2022

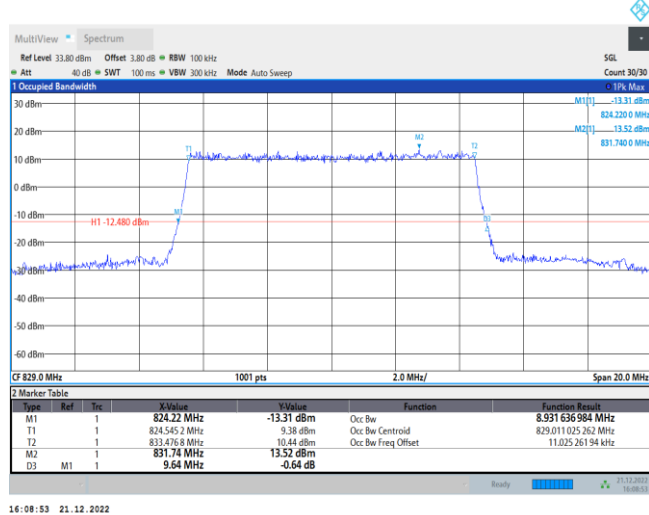


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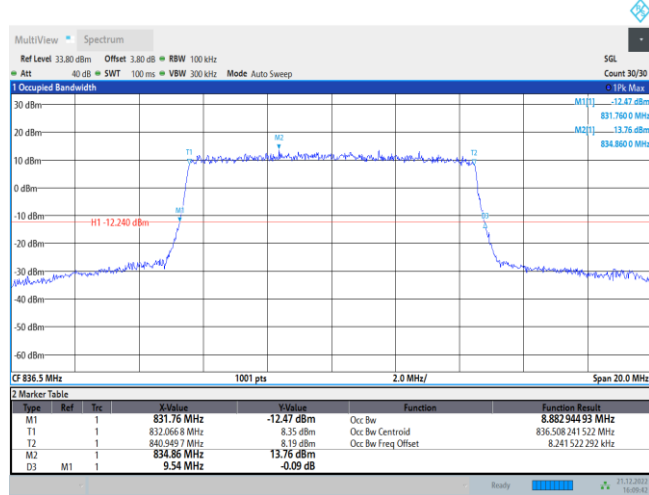
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Band5-10MHz-16QAM-20450-50RB#0



16:08:53 21.12.2022

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



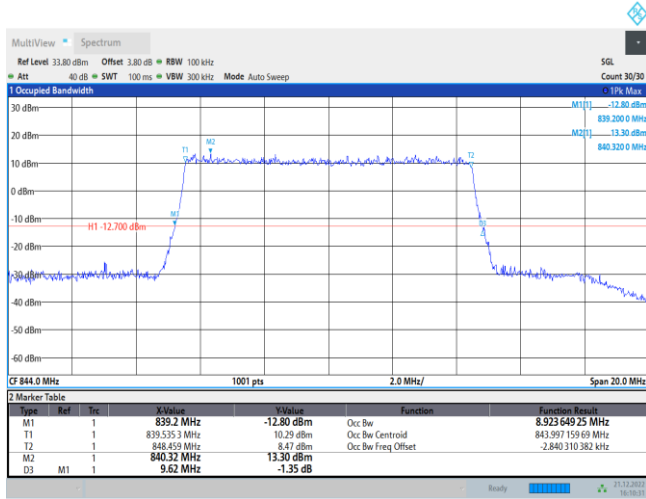
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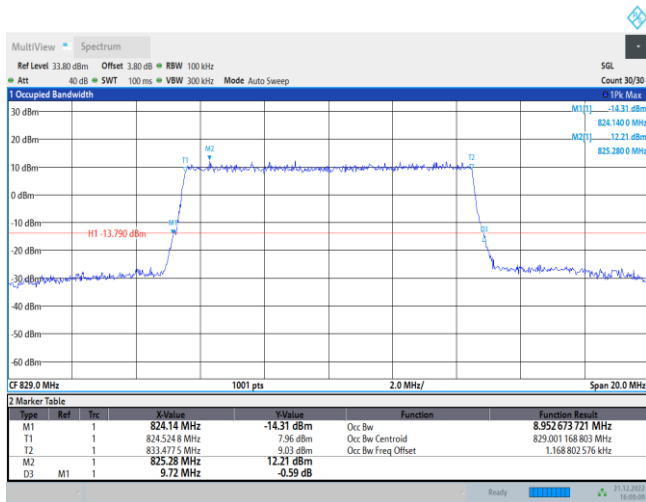
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Band5-10MHz-16QAM-20600-50RB#0



16:10:31 21.12.2022

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



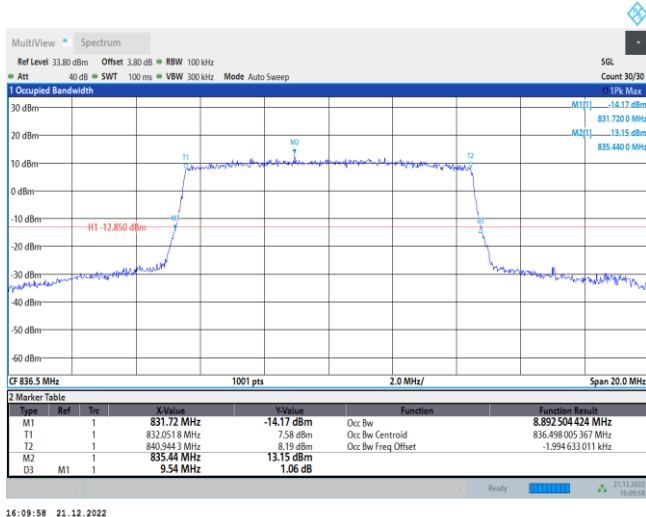
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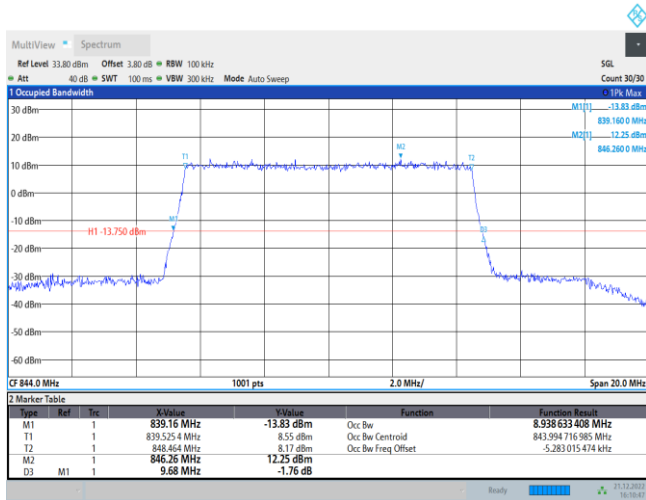
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Band5-10MHz-64QAM-20525-50RB#0



16:09:58 21.12.2022

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



16:10:47 21.12.2022



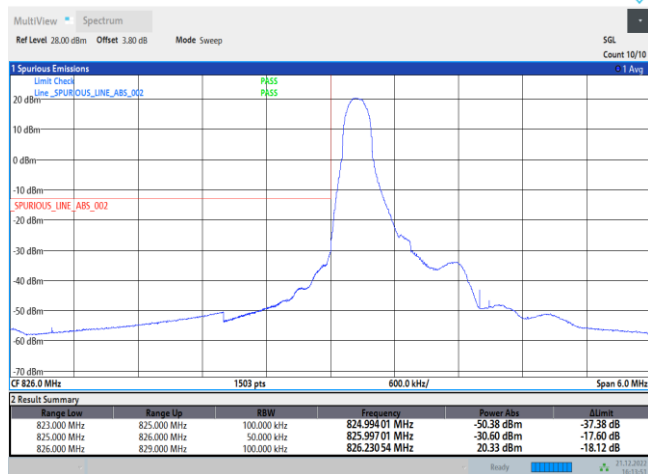
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Band Edge

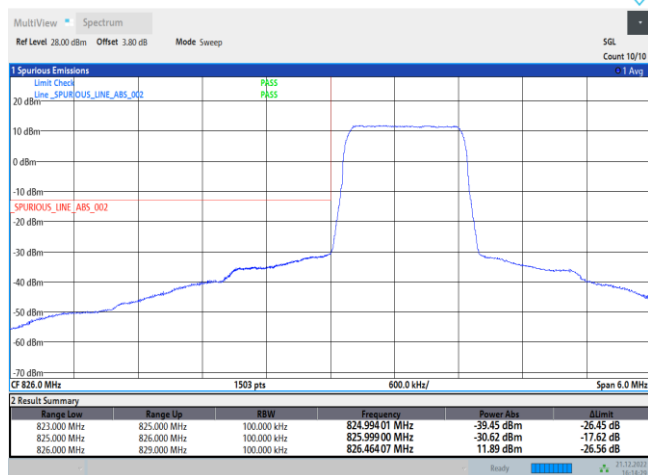
Test Graphs

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



16:13:52 21.12.2022

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



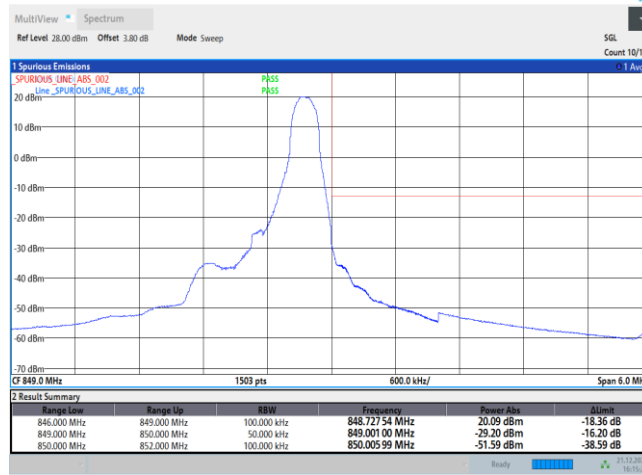
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Band5-1.4MHz-QPSK-20643-1RB#5



16:15:25 21.12.2022

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



16:16:03 21.12.2022

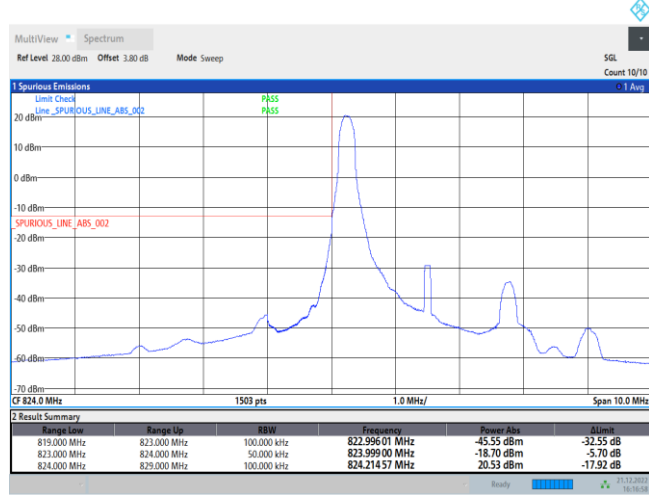


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Band5-3MHz-QPSK-20415-1RB#0



16:16:59 21.12.2022

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



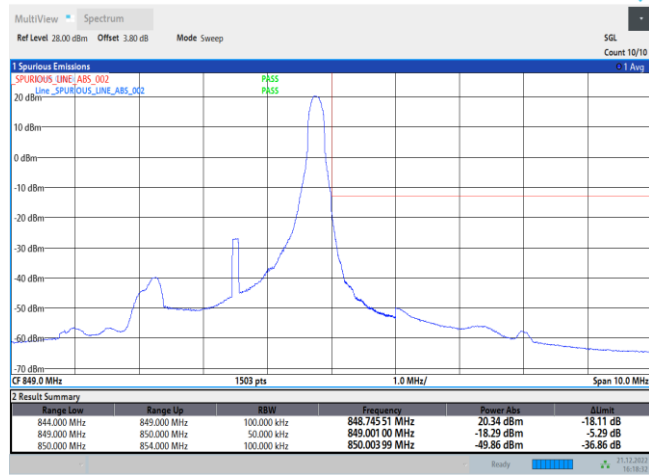
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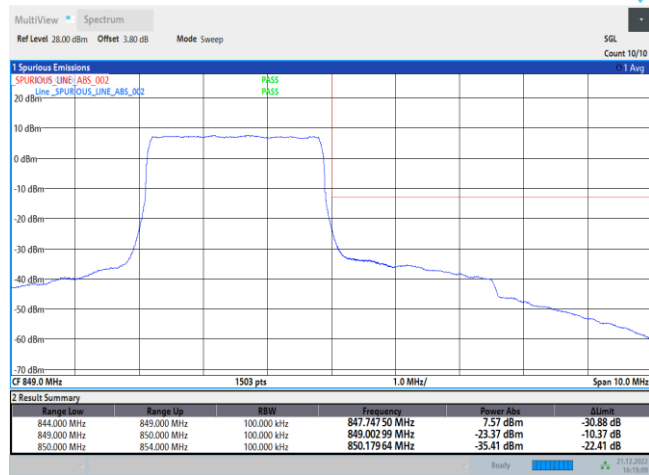
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Band5-3MHz-QPSK-20635-1RB#14



16:18:32 21.12.2022

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



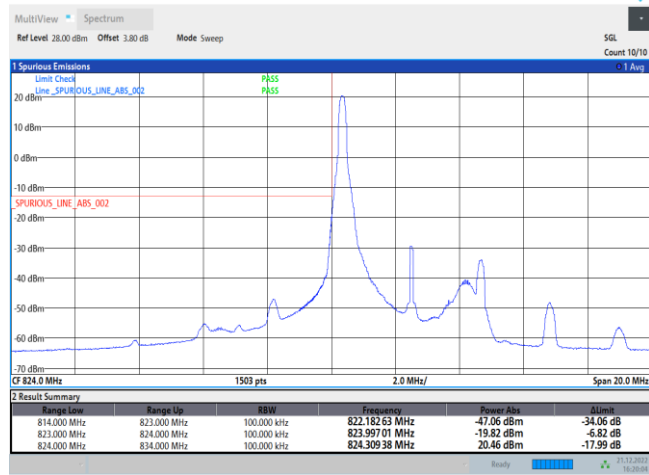
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Band5-5MHz-QPSK-20425-1RB#0



16:20:05 21.12.2022

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



16:20:43 21.12.2022

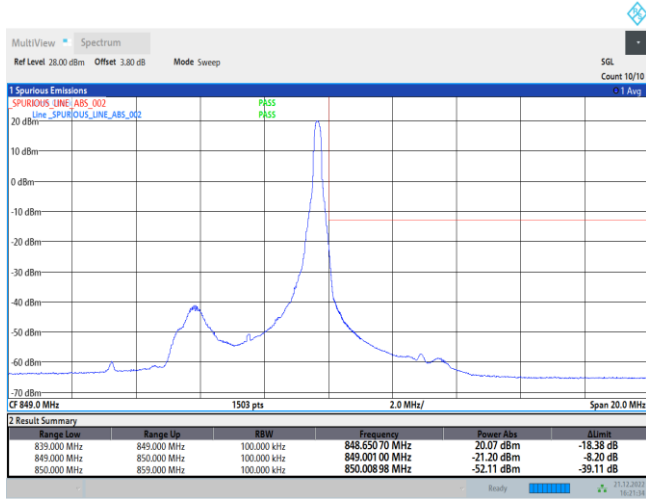


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Band5-5MHz-QPSK-20625-1RB#24



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



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