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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	23.76	23.81	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.83	23.88	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.71	23.76	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.90	22.95	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.72	23.77	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.03	24.08	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.74	23.79	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.85	22.9	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.68	23.73	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.81	23.86	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.65	23.7	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.74	22.79	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.03	23.08	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.12	23.17	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.92	22.97	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.92	21.97	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.00	23.05	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.20	23.25	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.08	23.13	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.89	21.94	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.10	23.15	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.00	23.05	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.95	23	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.88	21.93	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.73	21.78	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.85	21.9	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.73	21.78	38.45	PASS



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Band5	1.4MHz	64QAM	20407	6RB#0	20.82	20.87	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.00	22.05	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.19	22.24	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.06	22.11	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.88	20.93	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.29	21.34	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.22	21.27	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.05	21.1	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.11	20.16	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.85	23.9	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.92	23.97	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.74	23.79	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.87	22.92	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.84	23.89	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.91	23.96	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.79	23.84	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.90	22.95	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.78	23.83	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.79	23.84	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.66	23.71	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.92	22.97	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.12	23.17	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.25	23.3	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.06	23.11	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.96	22.01	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.24	23.29	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.31	23.36	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.07	23.12	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.92	21.97	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.10	23.15	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.08	23.13	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.89	22.94	38.45	PASS



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Band5	3MHz	16QAM	20635	15RB#0	21.89	21.94	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.86	21.91	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.89	21.94	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.56	21.61	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.99	21.04	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.10	22.15	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	22.19	22.24	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.99	22.04	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.91	20.96	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.87	21.92	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.48	21.53	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.15	21.2	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.50	20.55	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.88	23.93	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.88	23.93	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.83	23.88	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.89	22.94	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.88	23.93	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.86	23.91	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.83	23.88	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.90	22.95	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.85	23.9	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.76	23.81	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.71	23.76	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.83	22.88	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.27	23.32	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.10	23.15	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.05	23.1	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.00	22.05	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.27	23.32	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.09	23.14	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.35	23.4	38.45	PASS



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Band5	5MHz	16QAM	20525	25RB#0	21.93	21.98	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.11	23.16	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.14	23.19	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.02	23.07	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.82	21.87	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.87	21.92	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.81	21.86	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.78	21.83	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.96	21.01	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.14	22.19	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	22.17	22.22	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	22.14	22.19	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	21.03	21.08	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.76	21.81	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.74	21.79	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.03	21.08	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.59	20.64	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.73	23.78	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.87	23.92	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.92	23.97	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.95	23	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.94	23.99	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.88	23.93	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.79	23.84	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.87	22.92	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.84	23.89	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.77	23.82	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.68	23.73	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.95	23	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.20	23.25	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.26	23.31	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.24	23.29	38.45	PASS



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Band5	10MHz	16QAM	20525	1RB#0	23.21	23.26	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.16	23.21	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.16	23.21	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.87	21.92	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.11	23.16	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.05	23.1	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.13	23.18	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.01	22.06	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	22.13	22.18	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.02	22.07	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.13	22.18	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	21.00	21.05	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.12	22.17	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.19	22.24	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.75	21.8	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.93	20.98	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	22.01	22.06	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.97	22.02	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.54	21.59	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.72	20.77	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	5.50	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.36	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.46	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.16	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.12	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.20	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.64	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.62	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.66	13	PASS



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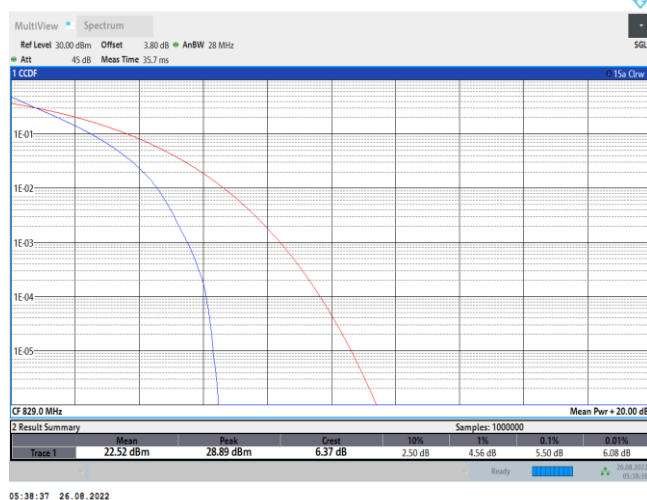
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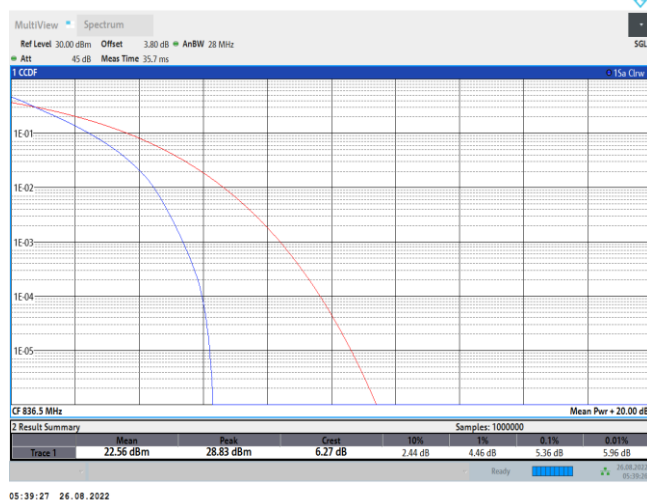
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Test Graphs

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



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



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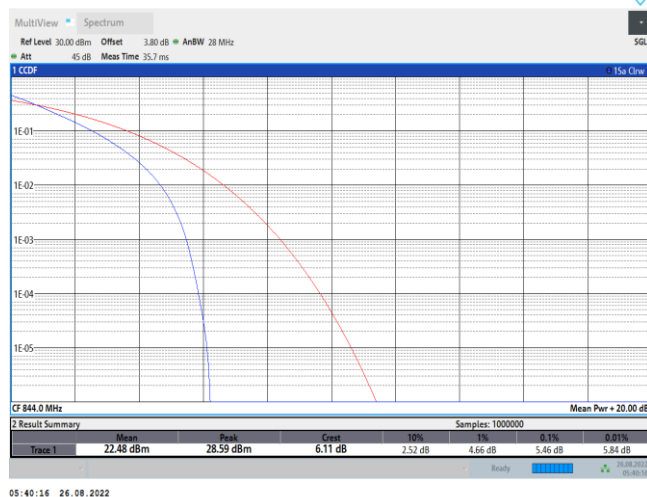
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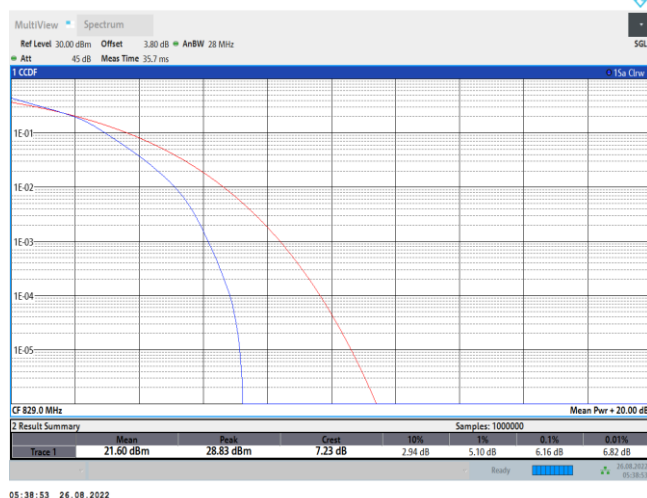
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Band5-10MHz-QPSK-20600-50RB#0



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



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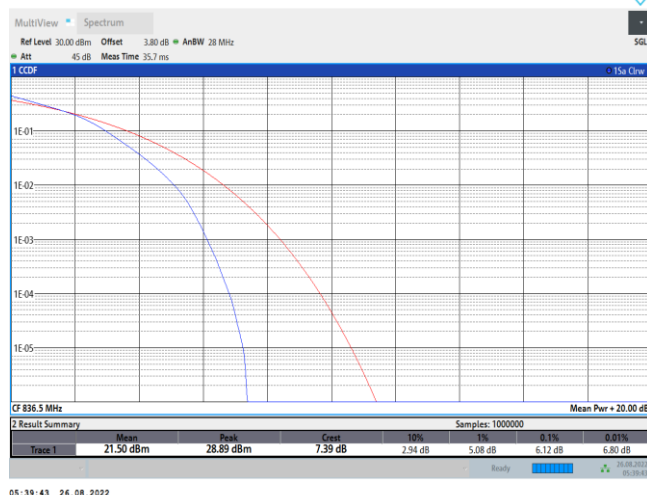
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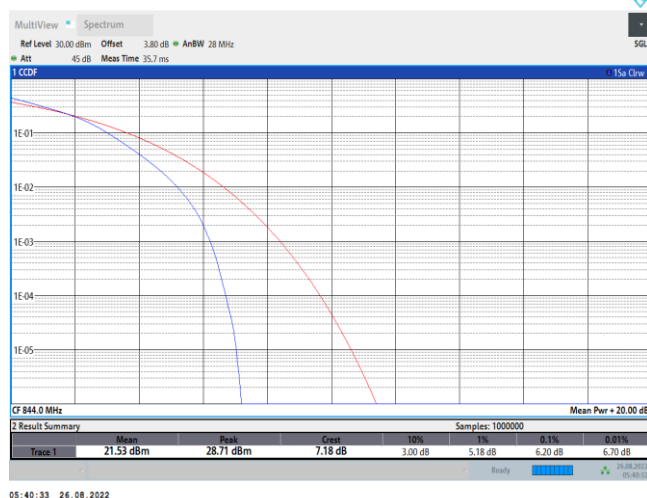
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Band5-10MHz-16QAM-20525-50RB#0



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



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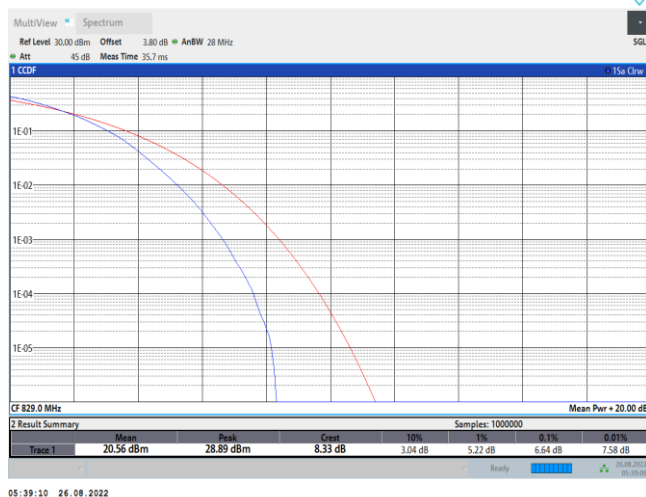
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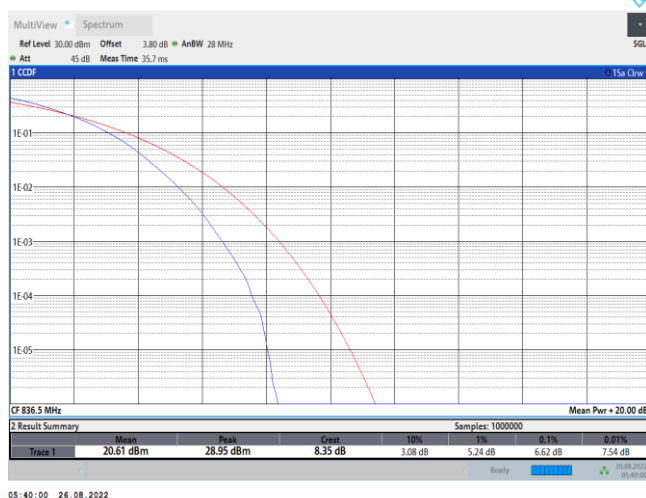
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Band5-10MHz-64QAM-20450-50RB#0



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



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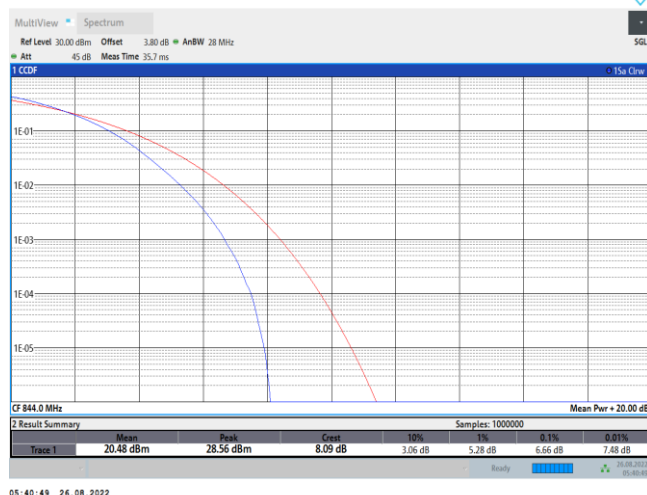
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Band5-10MHz-64QAM-20600-50RB#0



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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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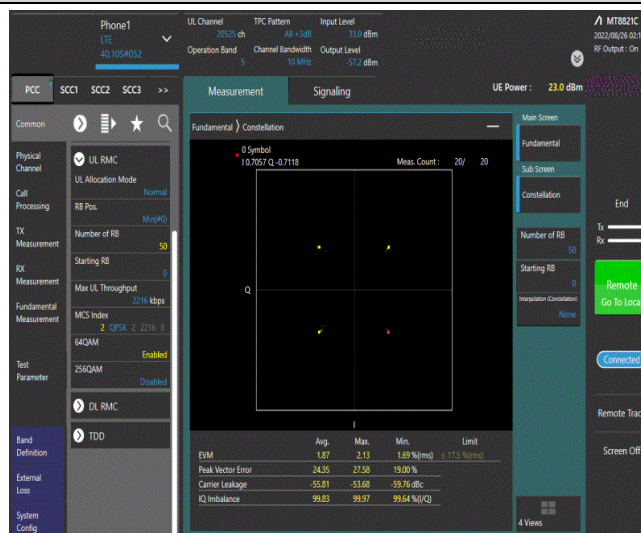
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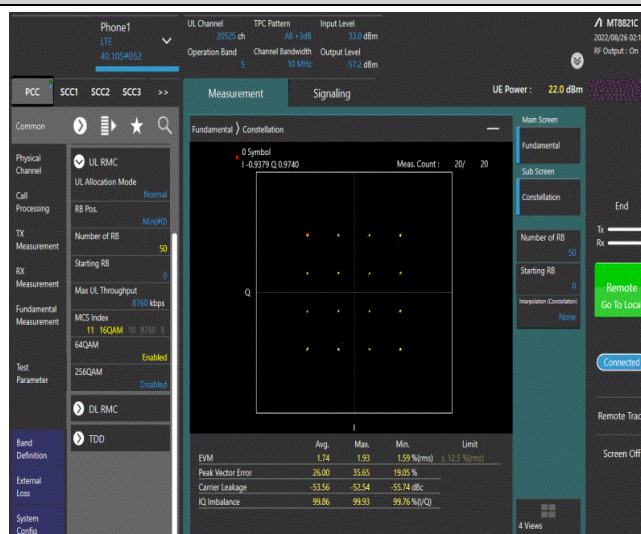
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Test Graphs

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



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

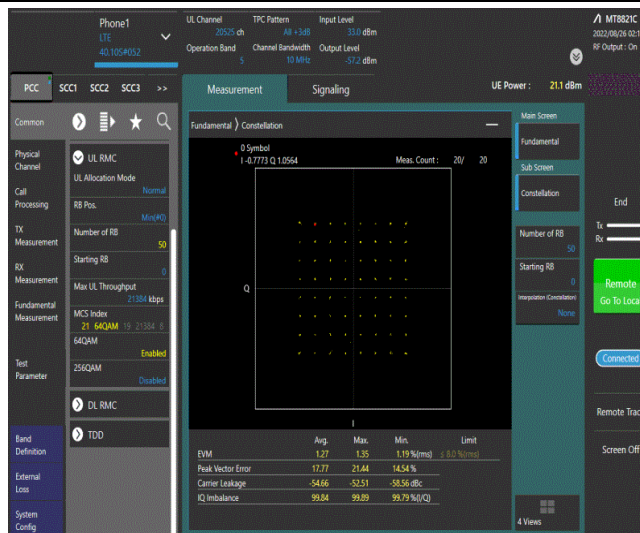


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Band5-10MHz-64QAM-20525-50RB#0



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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	1.091	1.24	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.091	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	1.09	1.24	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.69	2.97	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.686	2.99	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.693	2.98	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.685	2.99	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.686	2.98	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.685	2.98	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.685	2.95	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.688	2.97	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.688	2.98	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.466	4.88	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.473	4.90	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.466	4.88	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.465	4.91	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.465	4.92	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.466	4.90	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.474	4.90	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.475	4.90	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.471	4.88	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.921	9.62	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.916	9.66	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.94	9.68	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.909	9.58	PASS



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Band5	10MHz	16QAM	20525	50RB#0	8.911	9.60	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.917	9.58	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.925	9.62	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.921	9.66	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.932	9.64	PASS



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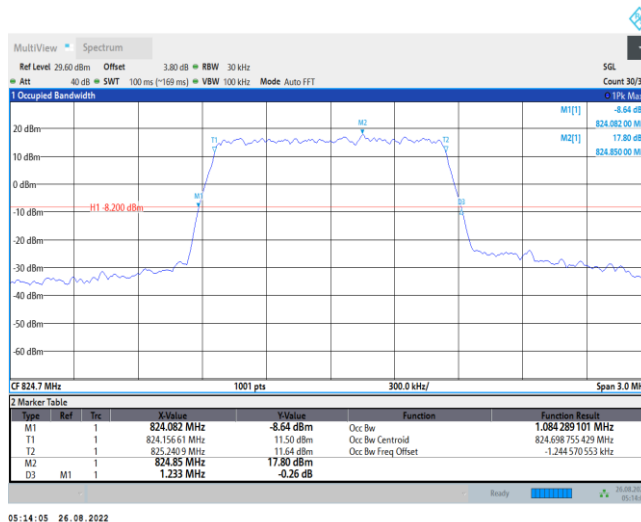
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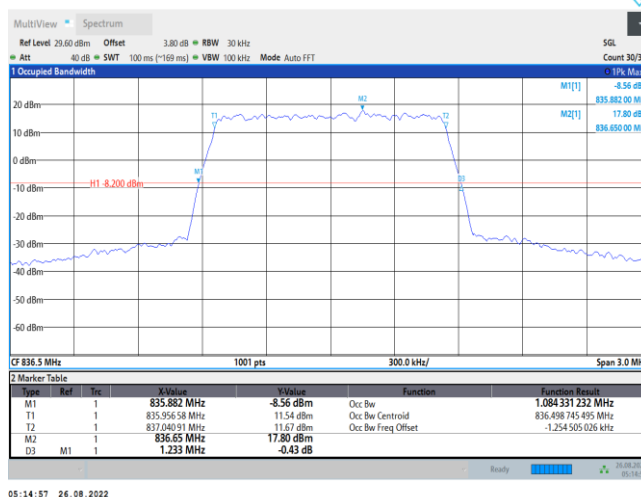
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Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0



Band5-1.4MHz-QPSK-20525-6RB#0



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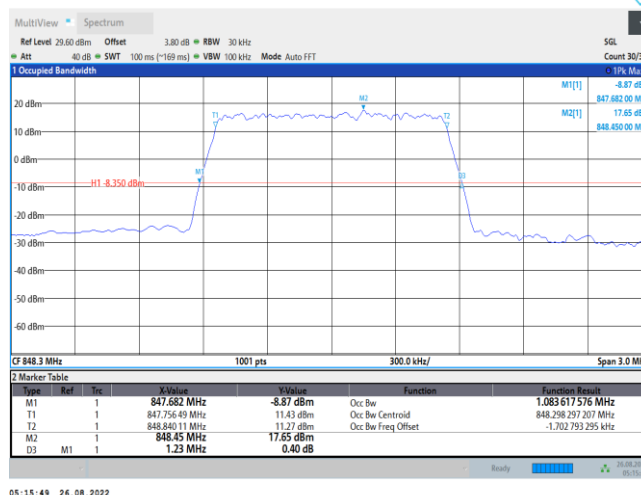
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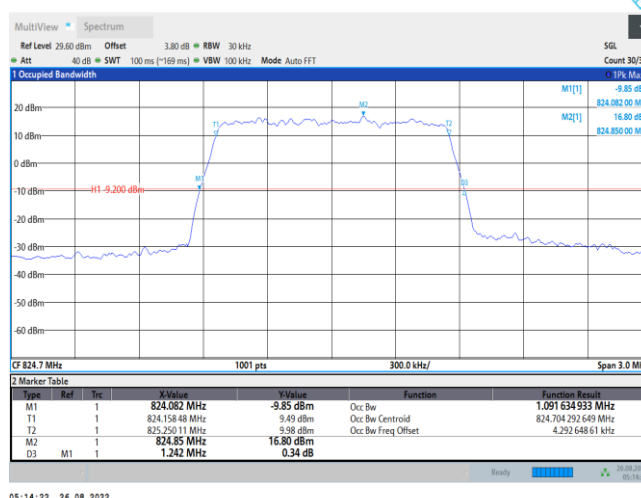
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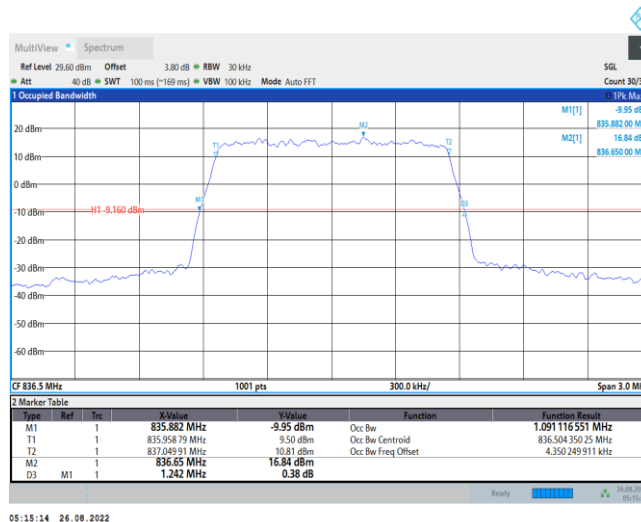
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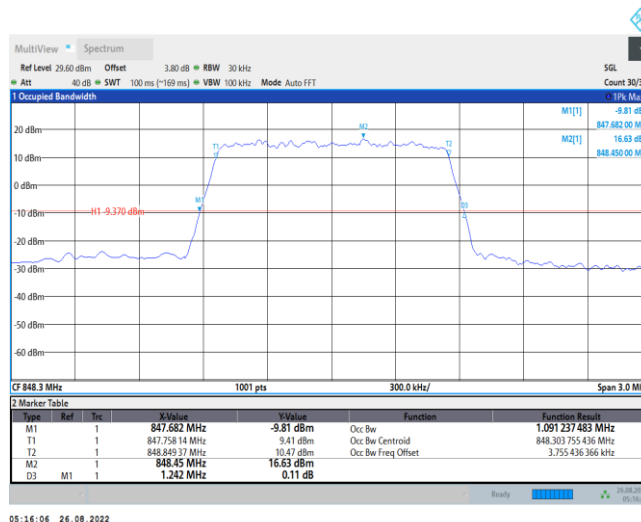
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Band5-1.4MHz-16QAM-20525-6RB#0



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



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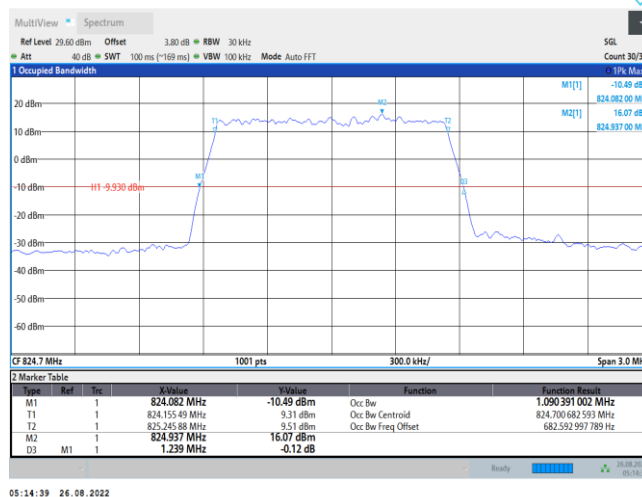
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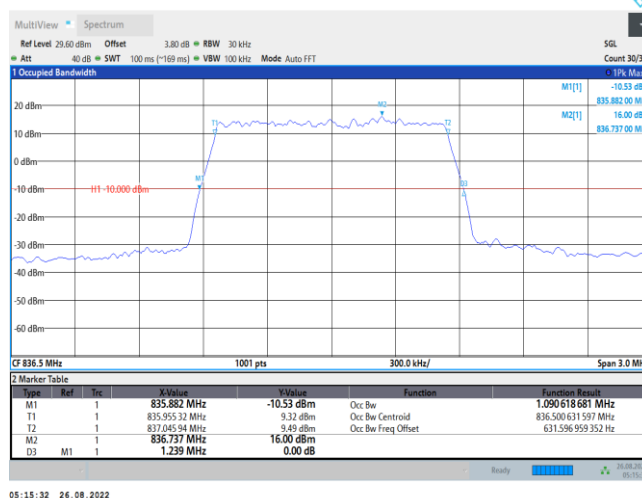
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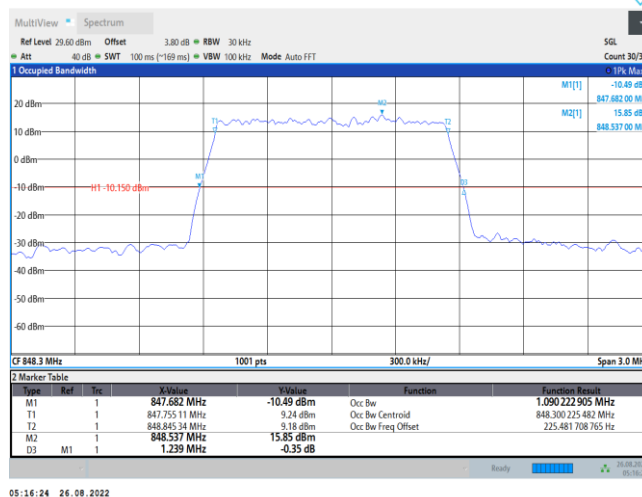


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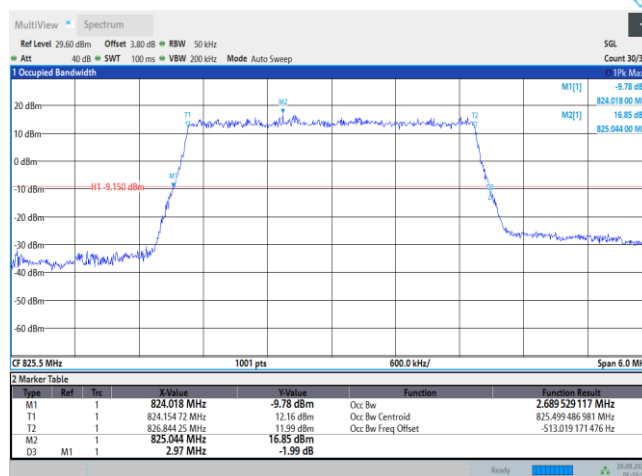
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Band5-3MHz-QPSK-20415-15RB#0



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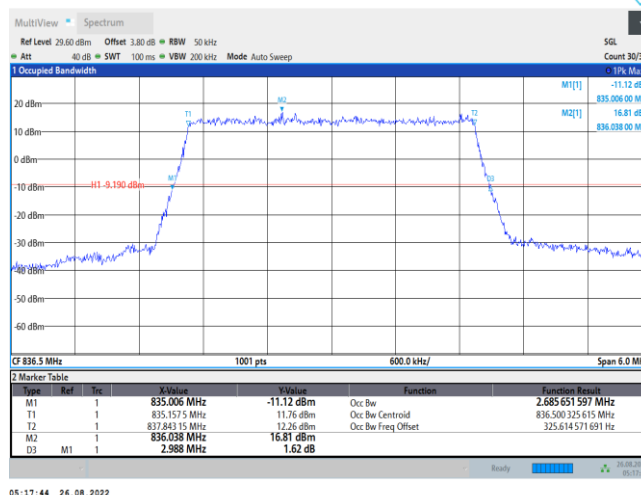
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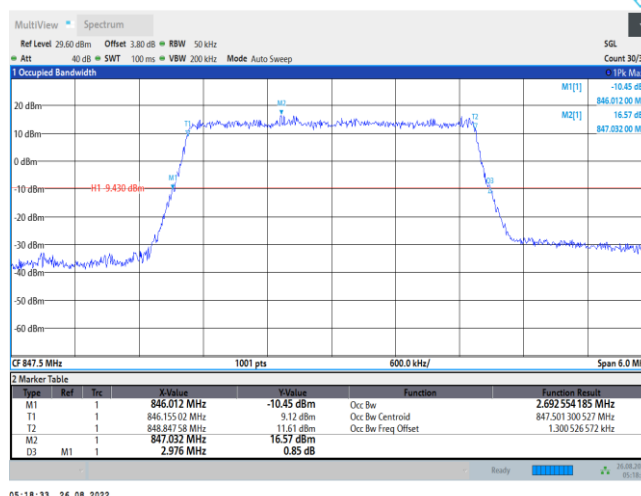
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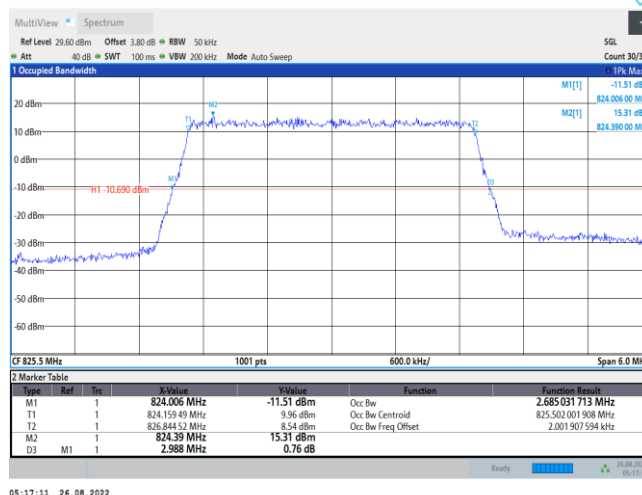


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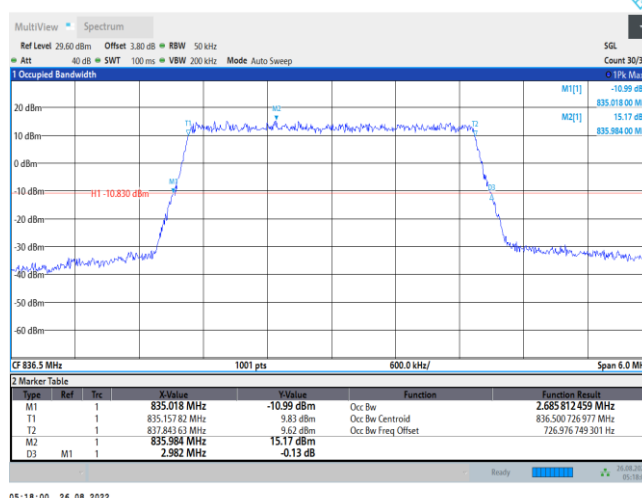
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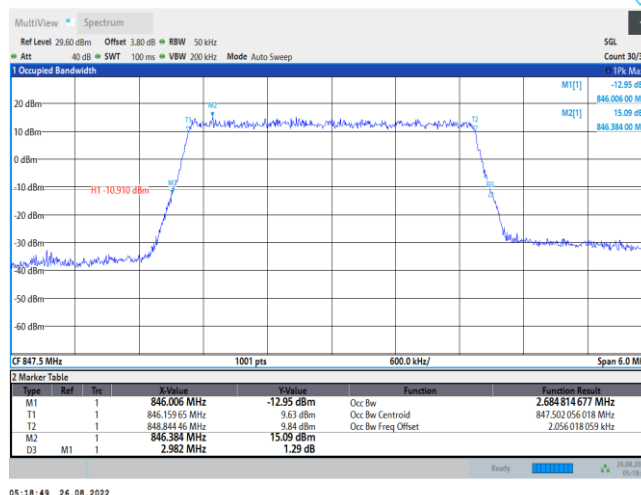


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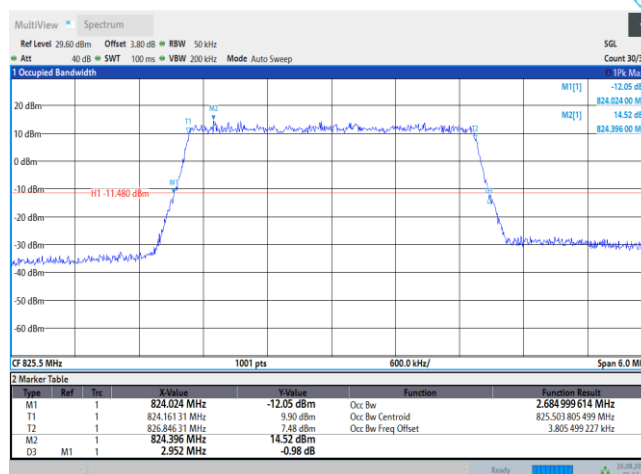
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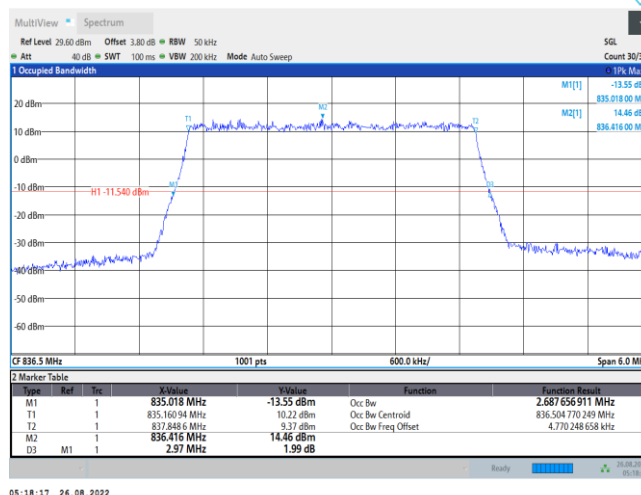
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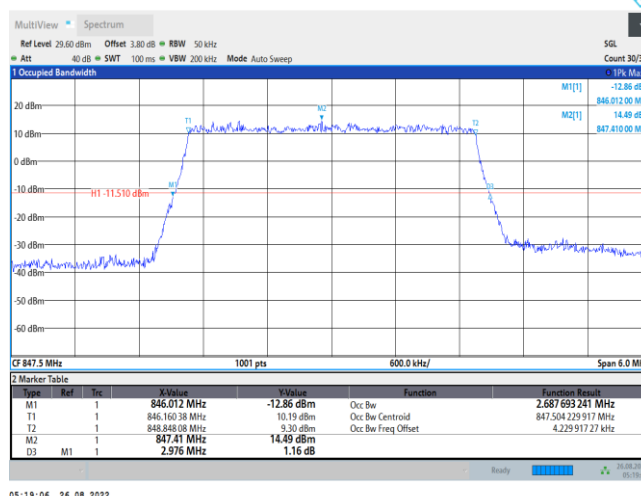
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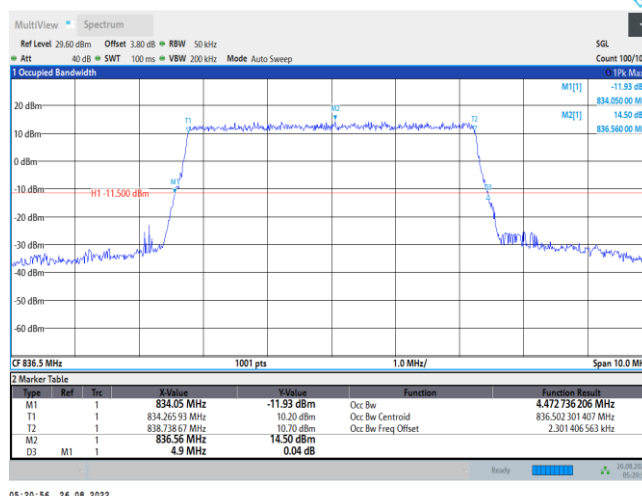
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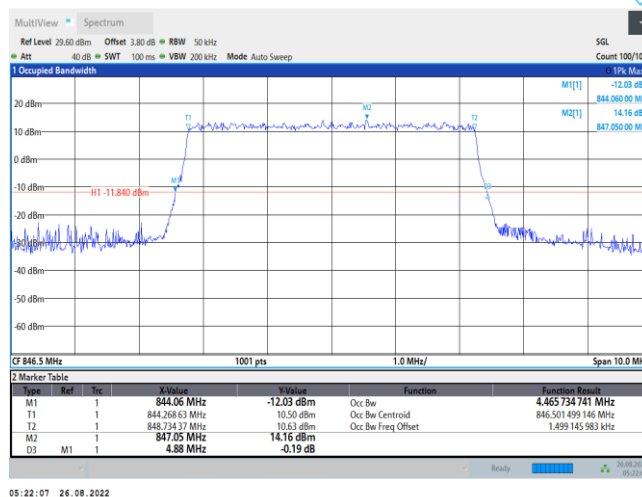
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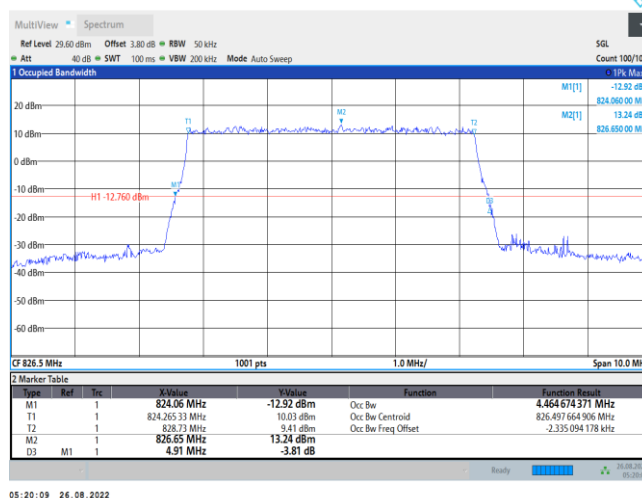
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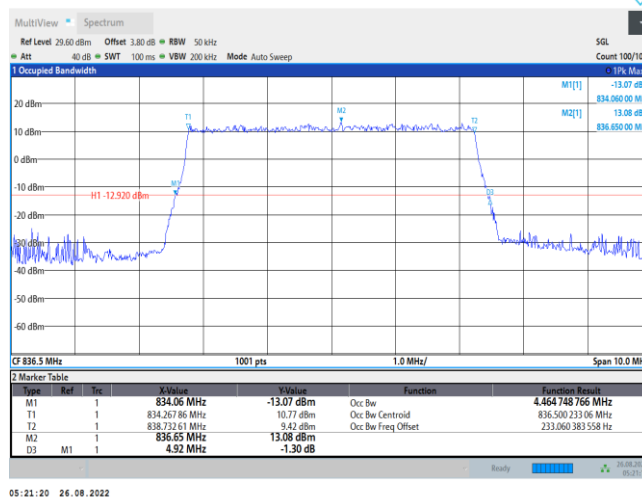


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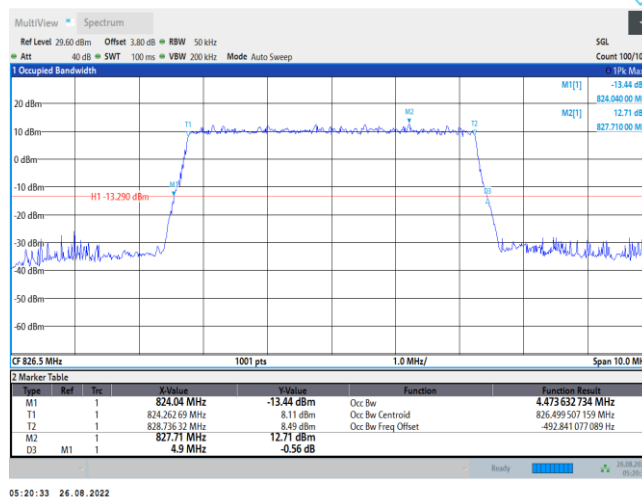
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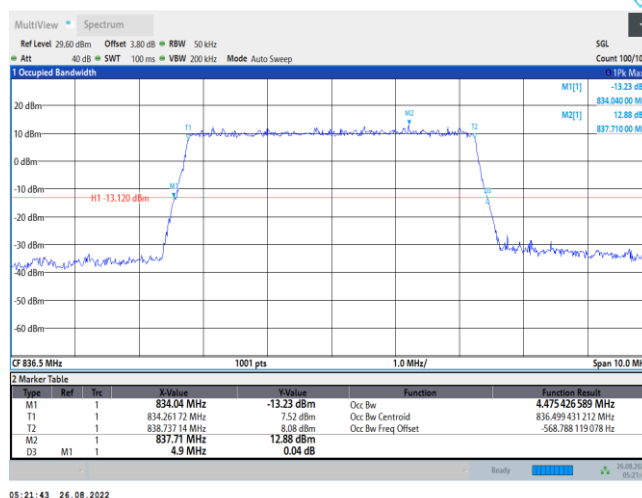
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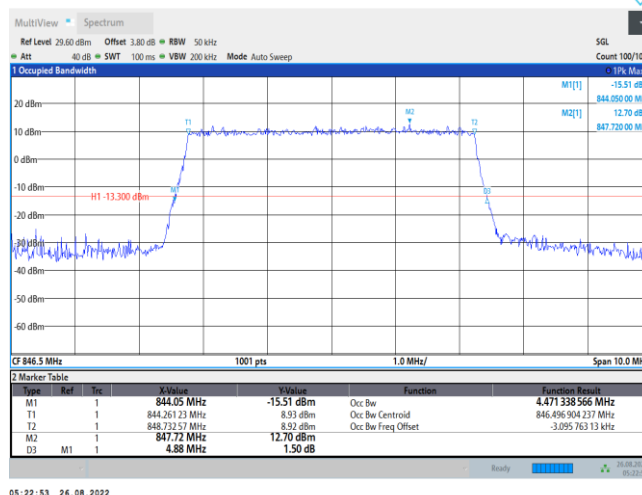
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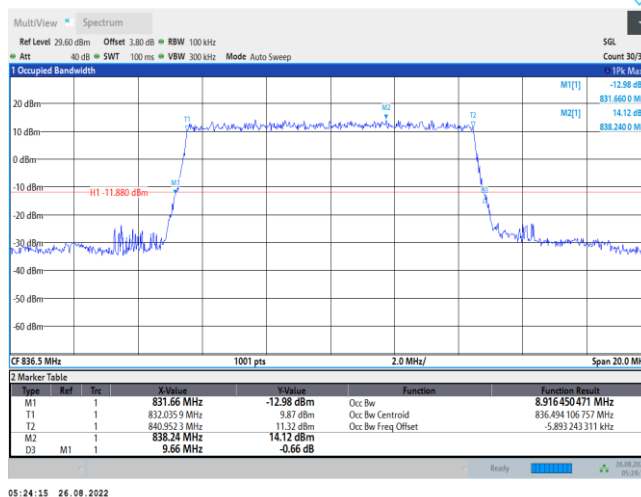
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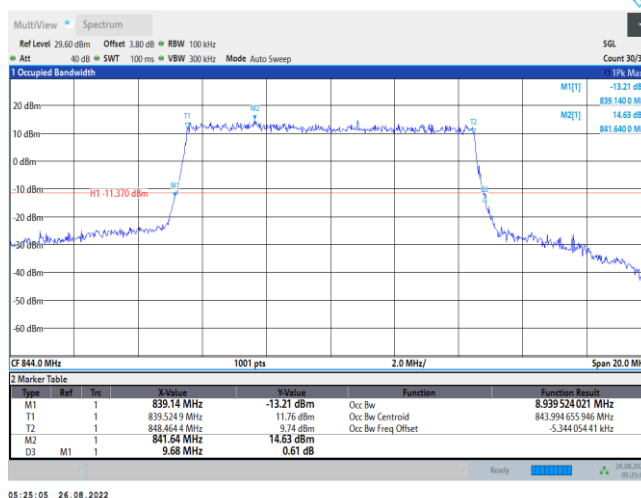
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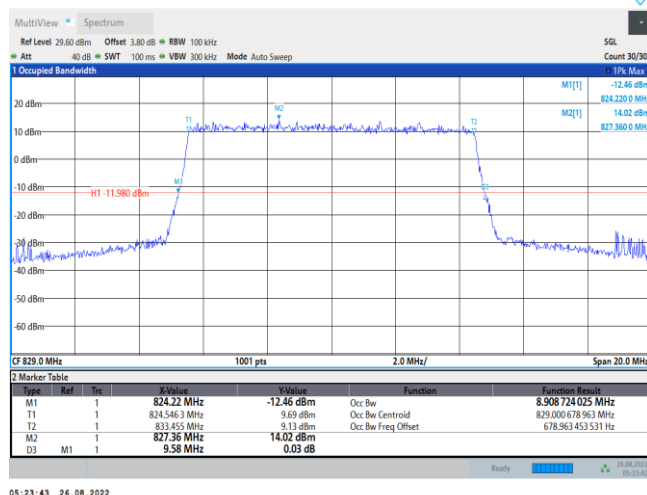


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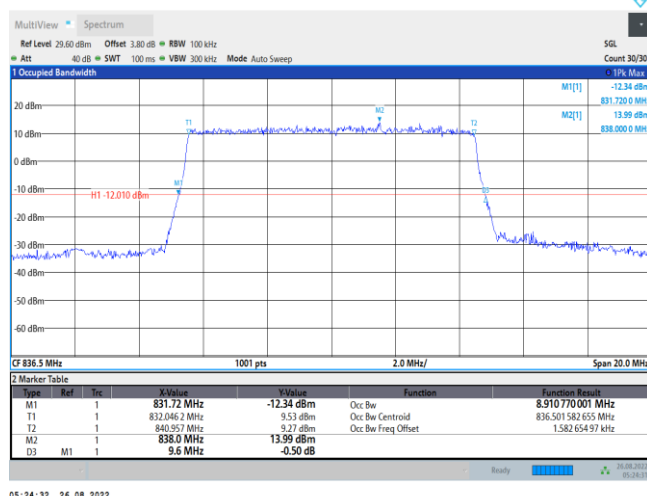
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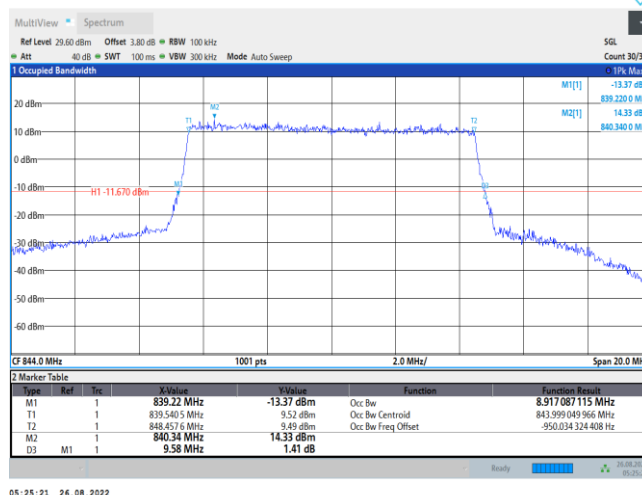
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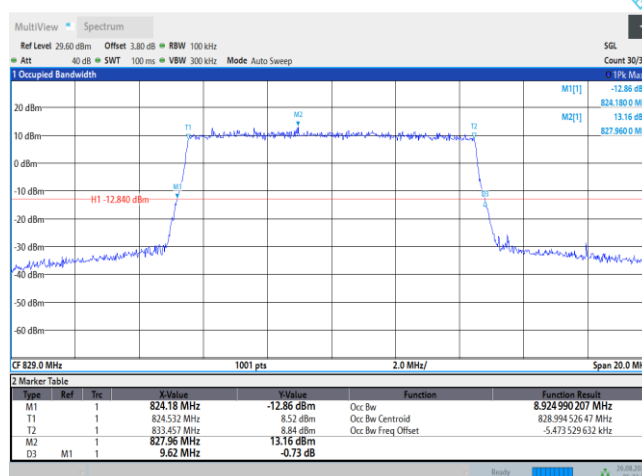
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Band5-10MHz-64QAM-20450-50RB#0



05:23:59 26.08.2022



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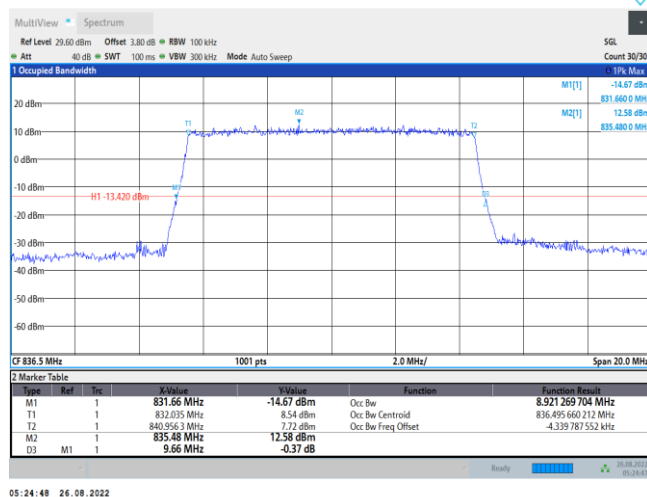
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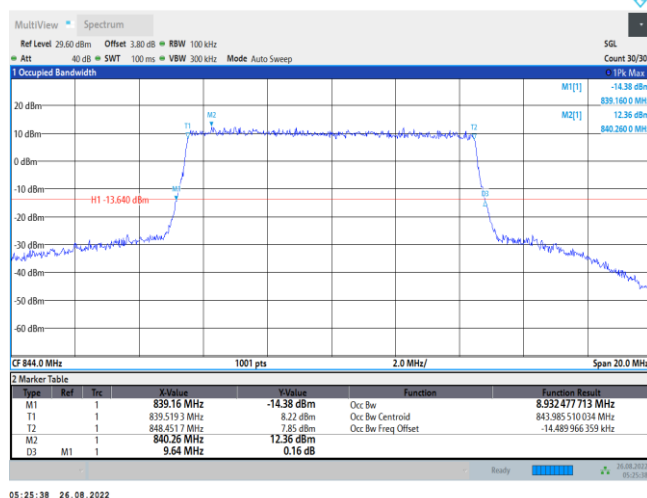
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Band5-10MHz-64QAM-20525-50RB#0



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



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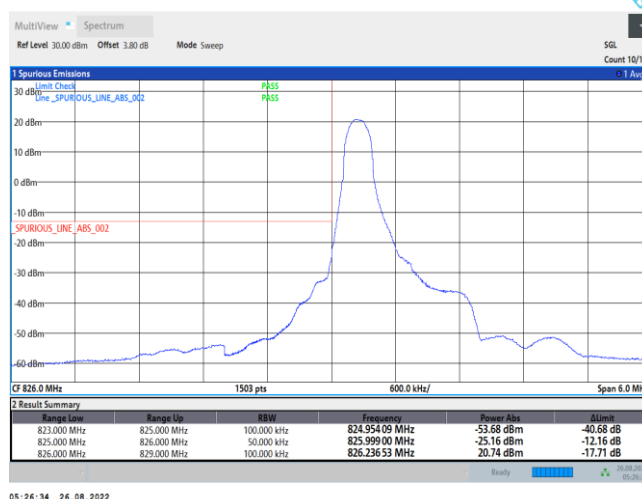
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Band Edge

Test Graphs

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



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



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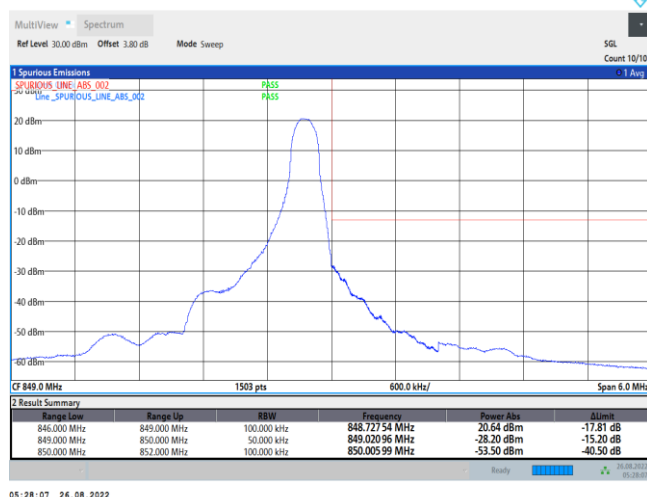
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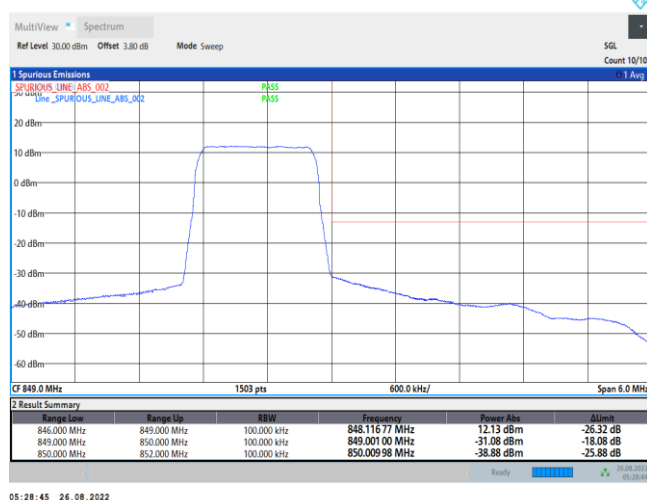
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Band5-1.4MHz-QPSK-20643-1RB#5



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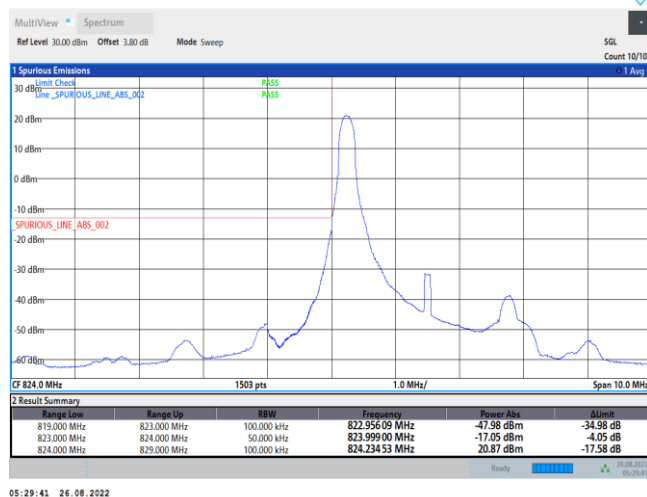
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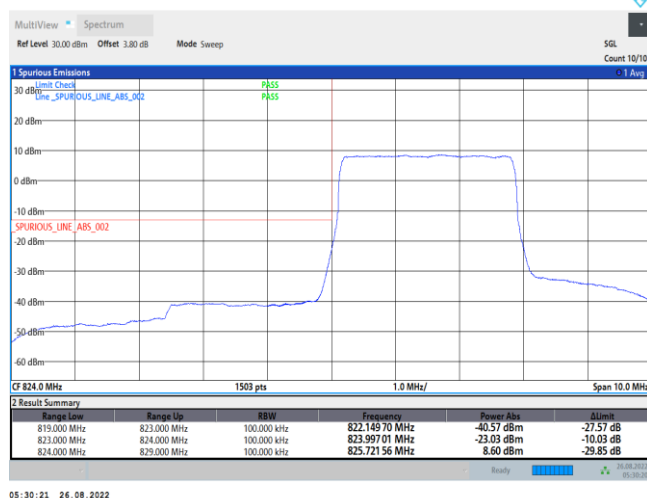
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Band5-3MHz-QPSK-20415-1RB#0



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



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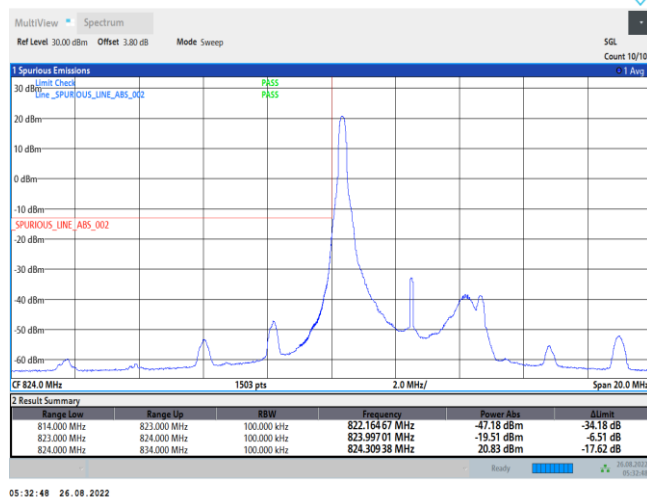
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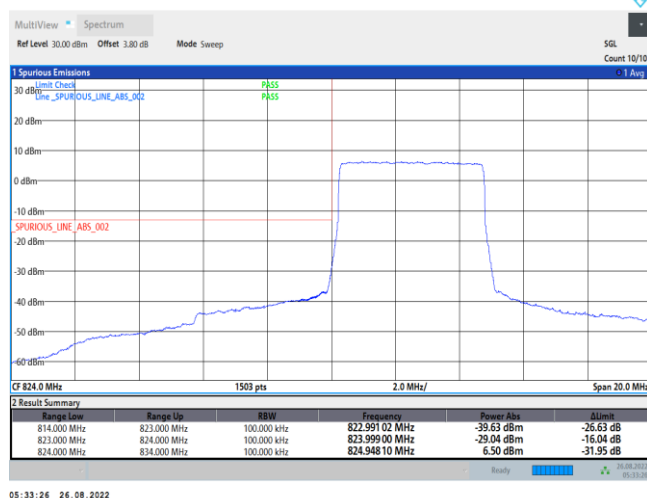
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Band5-5MHz-QPSK-20425-1RB#0



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



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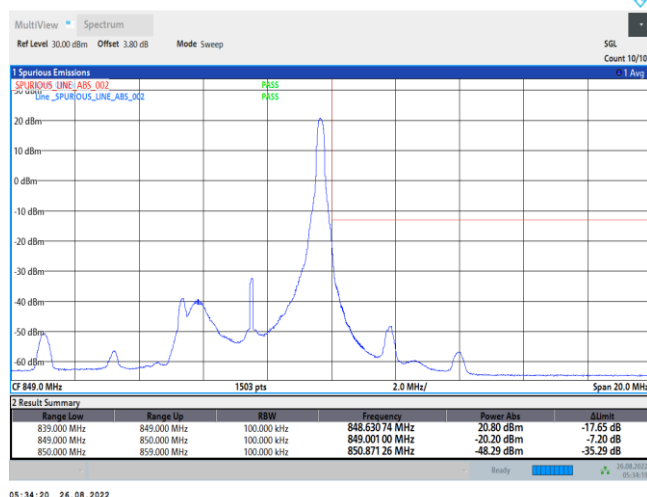
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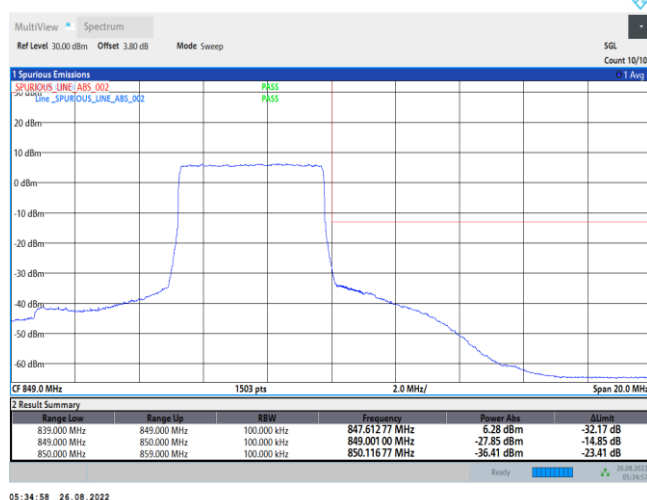
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Band5-5MHz-QPSK-20625-25RB#0



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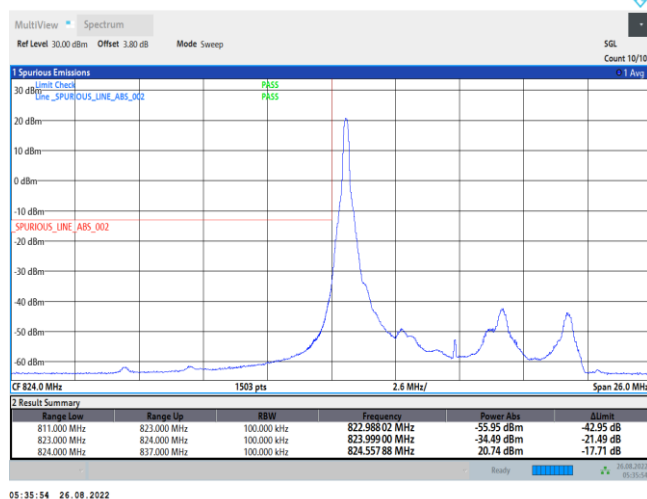
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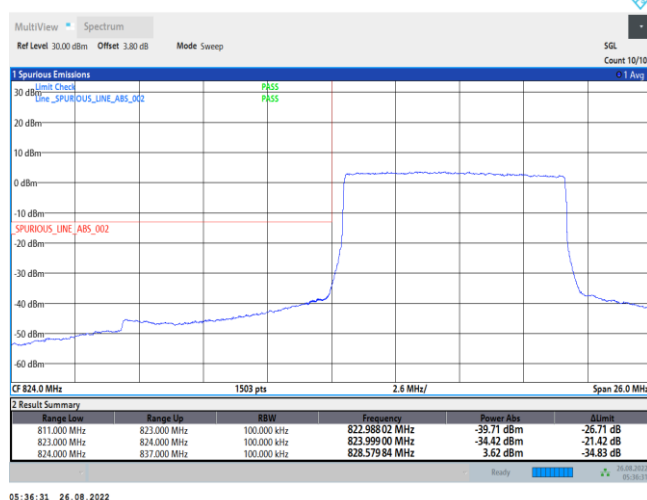
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Band5-10MHz-QPSK-20450-1RB#0



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



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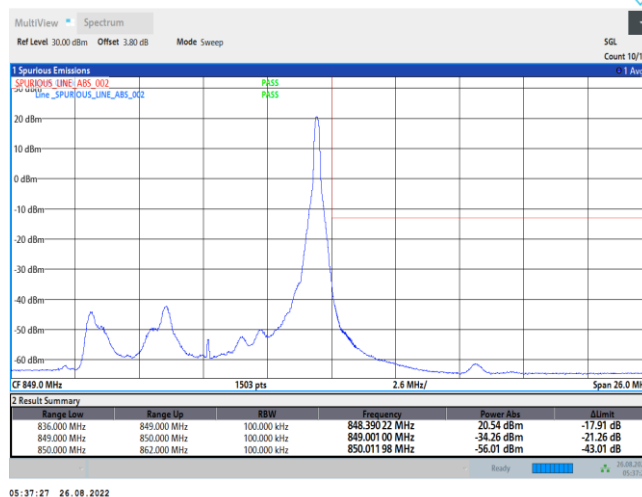
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Band5-10MHz-QPSK-20600-1RB#49



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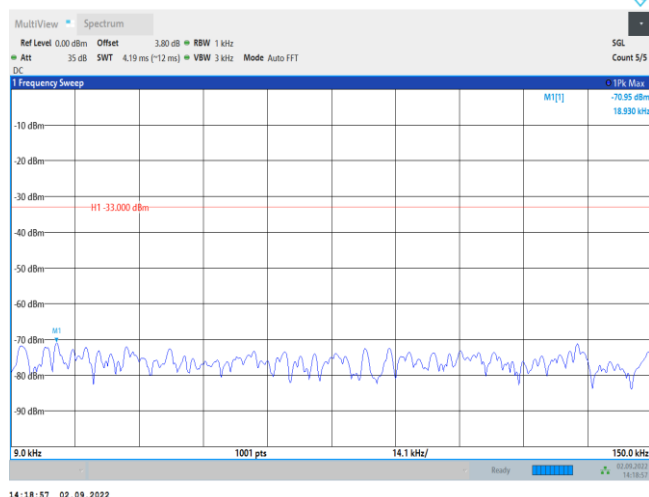
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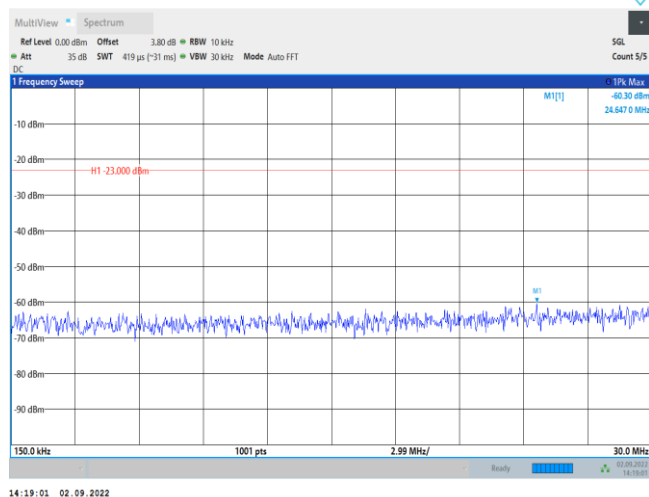
Conducted Spurious Emission

Test Graphs

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



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

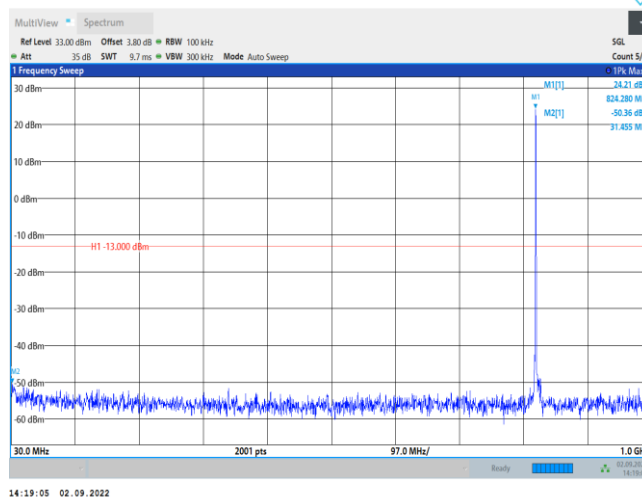


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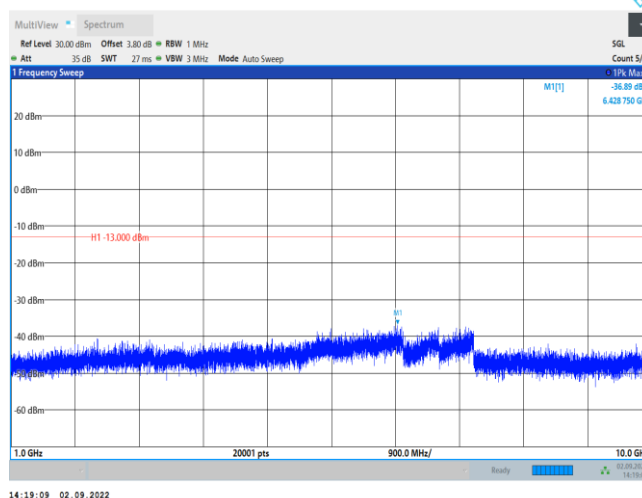
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Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



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



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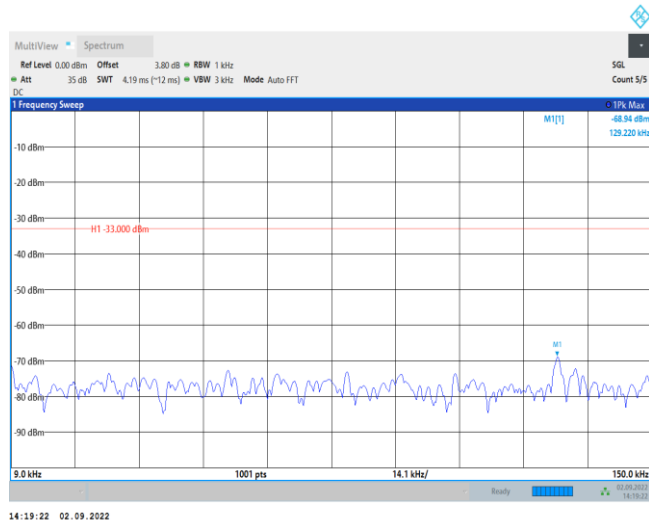
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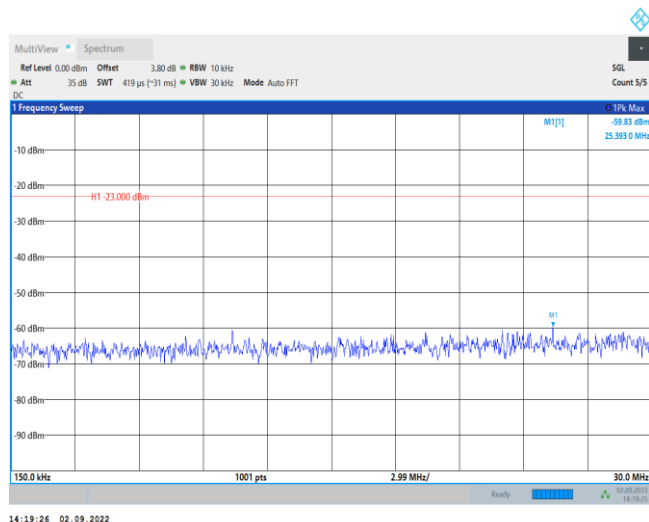
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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



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



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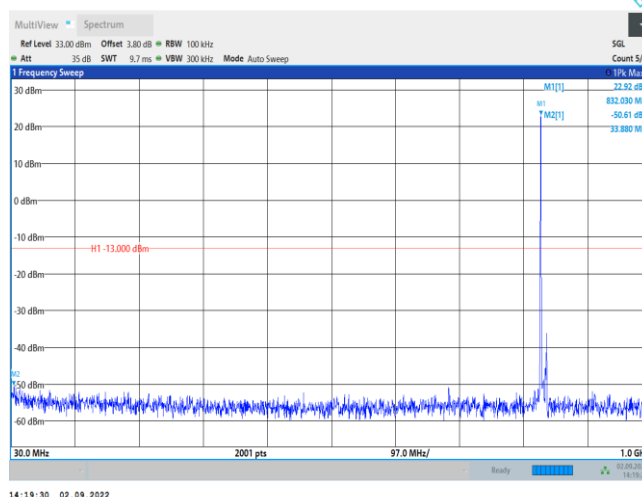
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Report No.: SEWA2204000009RG01

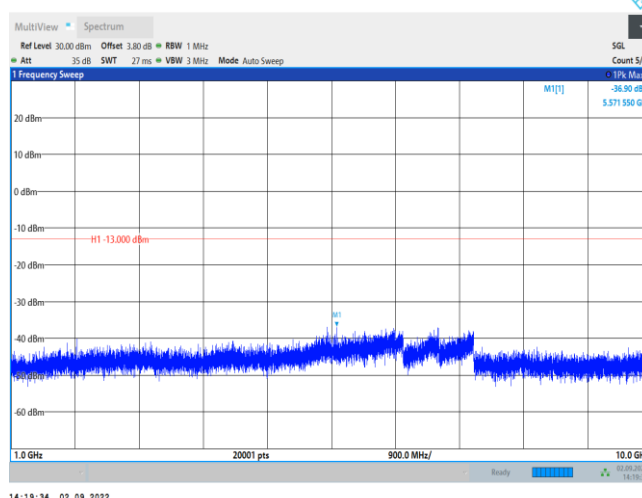
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Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



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



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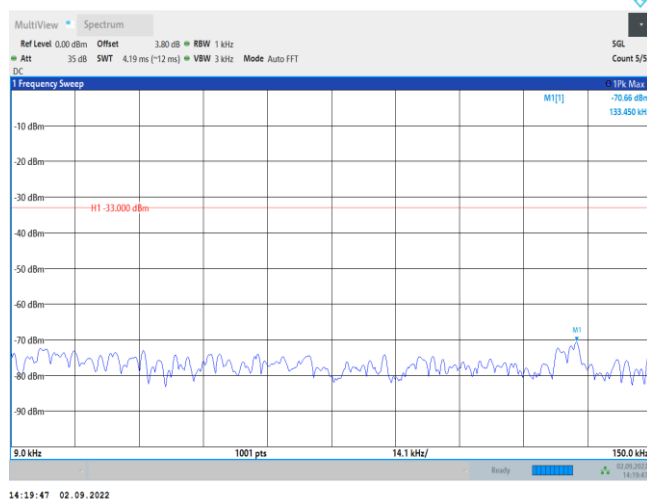
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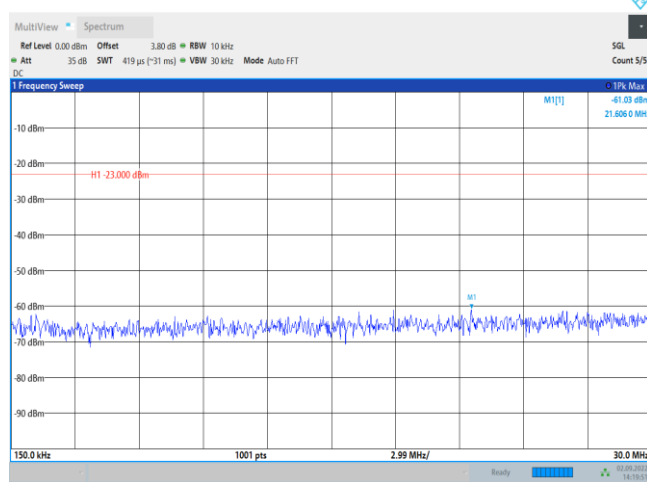
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



14:19:47 02.09.2022

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



14:19:51 02.09.2022



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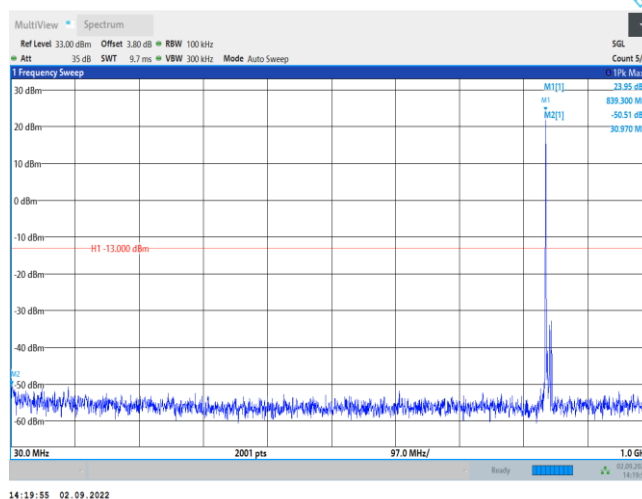
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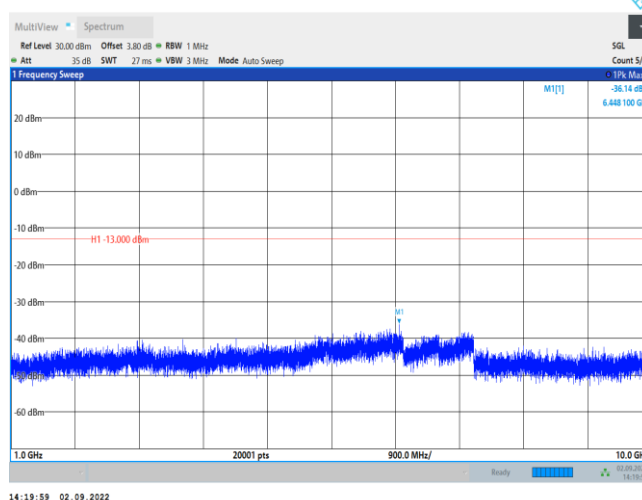
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band 5_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.18	53.40	-48.38	25.58	-64.67	-13.00	51.67	265	69	Horizontal
2	2473.77	51.26	-46.96	27.85	-63.11	-13.00	50.11	241	221	Horizontal
3	3298.36	51.56	-46.11	29.48	-60.33	-13.00	47.33	175	173	Horizontal
4	4122.95	48.74	-45.34	30.80	-61.06	-13.00	48.06	286	196	Horizontal
5	4947.54	50.86	-45.08	32.48	-57.01	-13.00	44.01	296	60	Horizontal
6	5772.13	50.19	-43.52	33.48	-55.12	-13.00	42.12	302	342	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.18	53.79	-48.38	25.58	-64.28	-13.00	51.28	241	359	Vertical
2	2473.77	53.59	-46.96	27.85	-60.78	-13.00	42.43	155	19	Vertical
3	3298.36	50.95	-46.11	29.48	-60.94	-13.00	47.94	263	51	Vertical
4	4122.95	51.07	-45.34	30.80	-58.73	-13.00	45.73	266	269	Vertical
5	4947.54	50.92	-45.08	32.48	-56.95	-13.00	43.95	284	294	Vertical
6	5772.13	50.62	-43.52	33.48	-54.69	-13.00	41.69	321	353	Vertical



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Test Band = LTE Band 5_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.18	54.12	-48.34	25.57	-63.91	-13.00	50.91	142	188	Horizontal
2	2496.27	51.82	-46.76	27.90	-62.30	-13.00	49.30	263	0	Horizontal
3	3328.36	51.34	-46.16	29.47	-60.61	-13.00	47.61	284	285	Horizontal
4	4160.45	49.27	-45.22	30.86	-60.35	-13.00	47.35	241	229	Horizontal
5	4992.54	50.69	-45.02	32.59	-57.00	-13.00	44.00	265	0	Horizontal
6	5824.63	51.41	-43.43	33.64	-53.64	-13.00	40.64	186	156	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.18	52.99	-48.34	25.57	-65.04	-13.00	52.04	263	155	Vertical
2	2496.27	52.19	-46.76	27.90	-61.93	-13.00	48.93	241	19	Vertical
3	3328.36	51.05	-46.16	29.47	-60.90	-13.00	47.90	186	35	Vertical
4	4160.45	49.94	-45.22	30.86	-59.68	-13.00	46.68	201	301	Vertical
5	4992.54	50.92	-45.02	32.59	-56.77	-13.00	43.77	142	139	Vertical
6	5824.63	51.06	-43.43	33.64	-53.99	-13.00	40.99	176	292	Vertical



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Test Band = LTE Band 5_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.18	54.00	-48.30	25.56	-64.00	-13.00	51.00	163	53	Horizontal
2	2518.77	52.10	-46.84	27.97	-62.03	-13.00	49.03	265	357	Horizontal
3	3358.36	51.23	-46.21	29.46	-60.79	-13.00	47.79	241	126	Horizontal
4	4197.95	49.17	-45.12	30.92	-60.29	-13.00	47.29	175	92	Horizontal
5	5037.54	50.67	-44.85	32.60	-56.84	-13.00	43.84	201	302	Horizontal
6	5887.13	50.89	-43.24	33.84	-53.77	-13.00	40.77	186	342	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.18	55.03	-48.30	25.56	-62.97	-13.00	49.97	142	11	Vertical
2	2518.77	52.66	-46.84	27.97	-61.47	-13.00	48.47	286	11	Vertical
3	3358.36	50.38	-46.21	29.46	-61.64	-13.00	48.64	201	276	Vertical
4	4197.95	49.79	-45.12	30.92	-59.67	-13.00	46.67	142	11	Vertical
5	5037.54	50.55	-44.85	32.60	-56.96	-13.00	43.96	265	19	Vertical
6	5887.13	51.79	-43.24	33.84	-52.87	-13.00	39.87	214	285	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-6.40	-0.007651	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-4.60	-0.005499	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-3.50	-0.004184	±2.5	PASS

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	0.60	0.000717	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	1.20	0.001435	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-4.80	-0.005738	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-6.10	-0.007292	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-5.70	-0.006814	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-3.50	-0.004184	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	0.20	0.000239	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-4.00	-0.004782	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-1.00	-0.001195	±2.5	PASS

---End of Attachment---



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