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Appendix B.4

LTE Band 5



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.72	21.93	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.79	22.00	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.77	21.98	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.78	20.99	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.84	22.05	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.91	22.12	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.80	22.01	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.88	21.09	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.75	21.96	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.82	22.03	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.72	21.93	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.78	20.99	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.94	21.15	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.04	21.25	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.91	21.12	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.84	20.05	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.98	21.19	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.06	21.27	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.00	21.21	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.93	20.14	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.04	21.25	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.07	21.28	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.99	21.20	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.92	20.13	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.88	20.09	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.91	20.12	38.45	PASS



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Band5	1.4MHz	64QAM	20407	1RB#5	21.89	20.10	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.76	18.97	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.99	20.20	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.11	20.32	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.96	20.17	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.85	19.06	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.13	20.34	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	22.11	20.32	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	22.02	20.23	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.85	19.06	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.86	22.07	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.82	22.03	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.86	22.07	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.83	21.04	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.92	22.13	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.85	22.06	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.92	22.13	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.93	21.14	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.88	22.09	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.86	22.07	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.76	21.97	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.94	21.15	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.08	21.29	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.13	21.34	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.07	21.28	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.84	20.05	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.21	21.42	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.16	21.37	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.17	21.38	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.00	20.21	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.19	21.40	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.12	21.33	38.45	PASS



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Band5	3MHz	16QAM	20635	15RB#0	21.96	20.17	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.98	20.19	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.99	20.20	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	22.04	20.25	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.87	19.08	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.08	20.29	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	22.03	20.24	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	22.14	20.35	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.95	19.16	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.17	20.38	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	22.05	20.26	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	22.07	20.28	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.95	19.16	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.84	22.05	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.89	22.10	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.85	22.06	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.96	21.17	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.00	22.21	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.85	22.06	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.91	22.12	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.93	21.14	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.94	22.15	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.96	22.17	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.75	21.96	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.99	21.20	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.14	21.35	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.16	21.37	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.17	21.38	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.97	20.18	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.27	21.48	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.08	21.29	38.45	PASS



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Band5	5MHz	16QAM	20525	25RB#0	21.95	20.16	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.14	21.35	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.08	21.29	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.04	21.25	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.02	20.23	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	22.10	20.31	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.02	20.23	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.96	20.17	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.94	19.15	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.23	20.44	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	22.08	20.29	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	22.19	20.40	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.95	19.16	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	22.08	20.29	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.15	20.36	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	22.01	20.22	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.99	19.20	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.88	22.09	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.89	22.10	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.80	22.01	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.89	21.10	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.96	22.17	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.90	22.11	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.91	22.12	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.99	21.20	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.96	22.17	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.95	22.16	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.85	22.06	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.96	21.17	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.11	21.32	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.14	21.35	38.45	PASS



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Band5	10MHz	16QAM	20450	50RB#0	21.97	20.18	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.20	21.41	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.13	21.34	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.02	21.23	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.00	20.21	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.22	21.43	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.07	21.28	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.99	21.20	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.98	20.19	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	22.12	20.33	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.08	20.29	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.95	20.16	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.92	19.13	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.10	20.31	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.07	20.28	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.99	20.20	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	21.01	19.22	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	22.15	20.36	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	22.13	20.34	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	22.05	20.26	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	21.01	19.22	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	5.24	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.94	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.06	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.96	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.72	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.82	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.46	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.24	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.34	13	PASS



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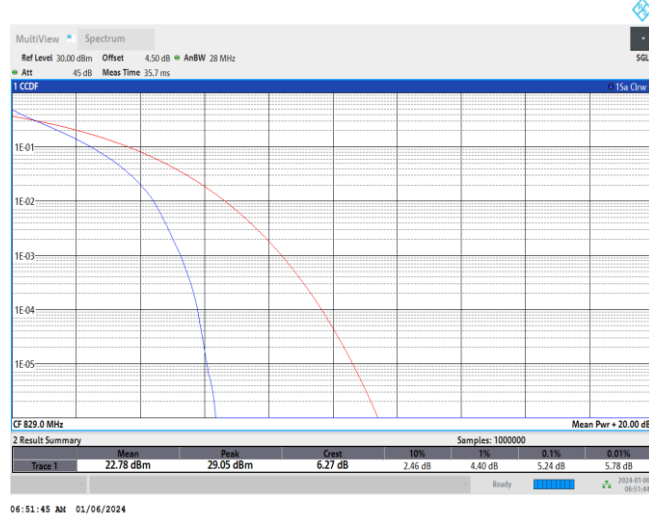
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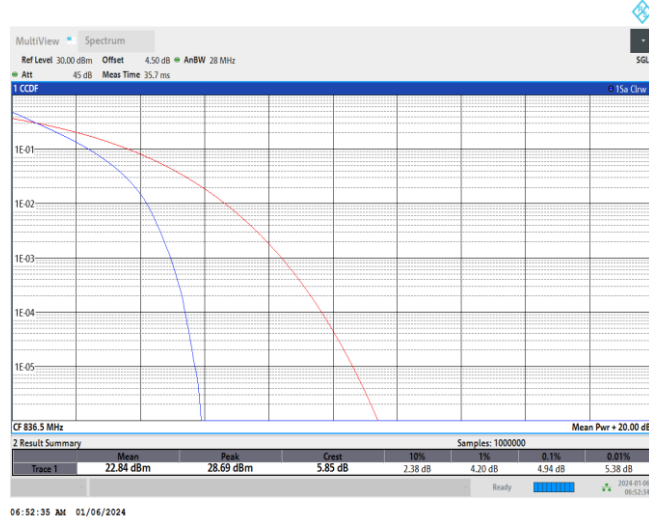
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Test Graphs

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



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



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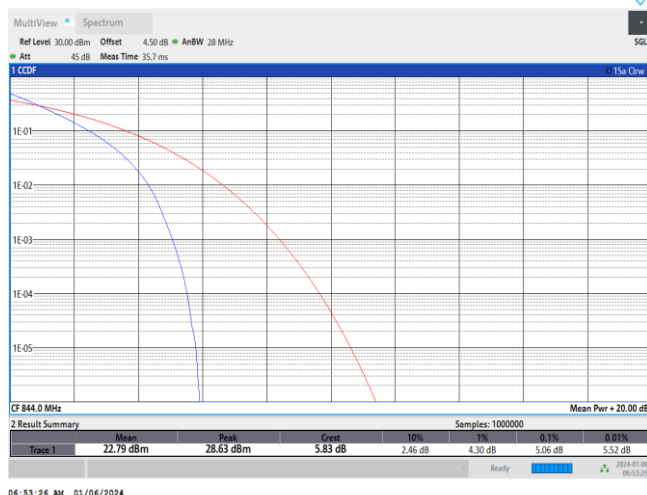
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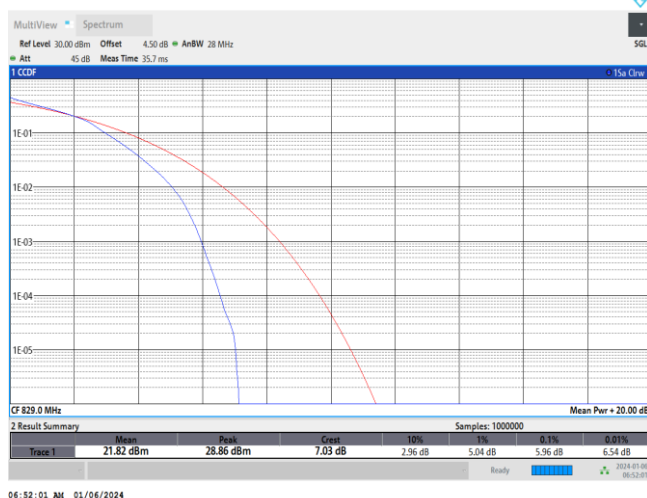
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Band5-10MHz-QPSK-20600-50RB#0



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



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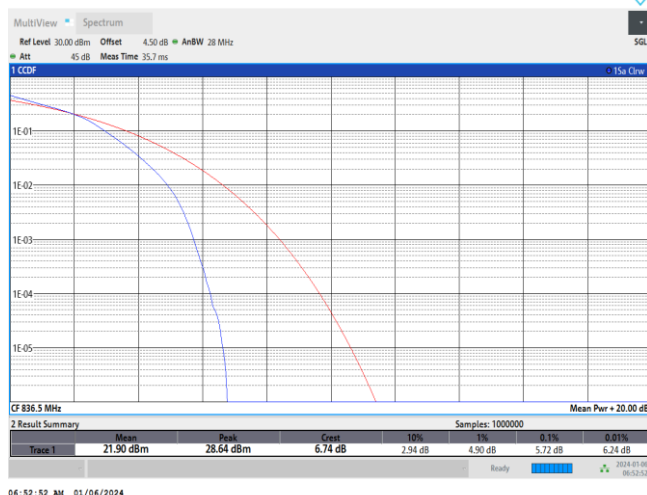
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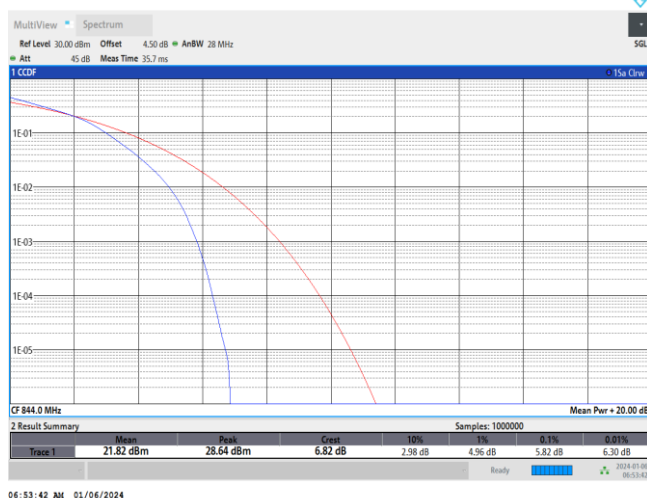
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Band5-10MHz-16QAM-20525-50RB#0



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



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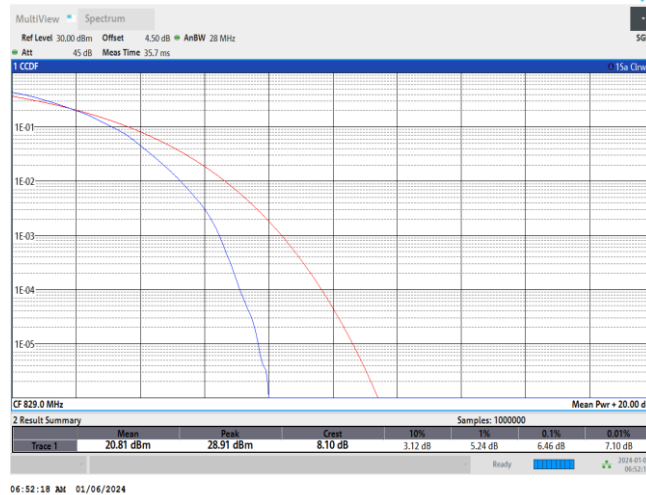
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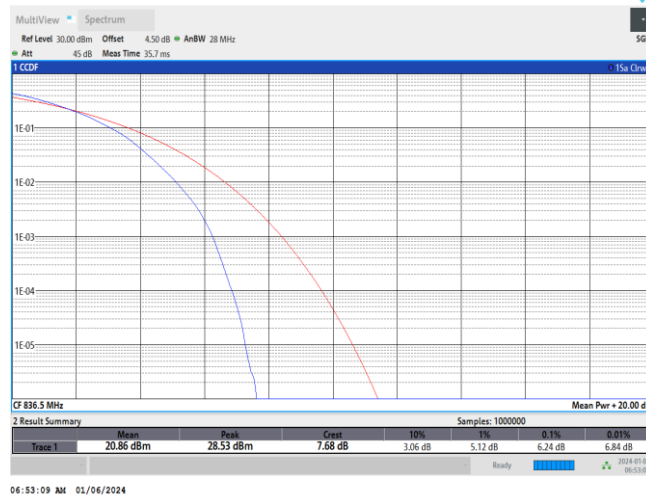
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Band5-10MHz-64QAM-20450-50RB#0



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



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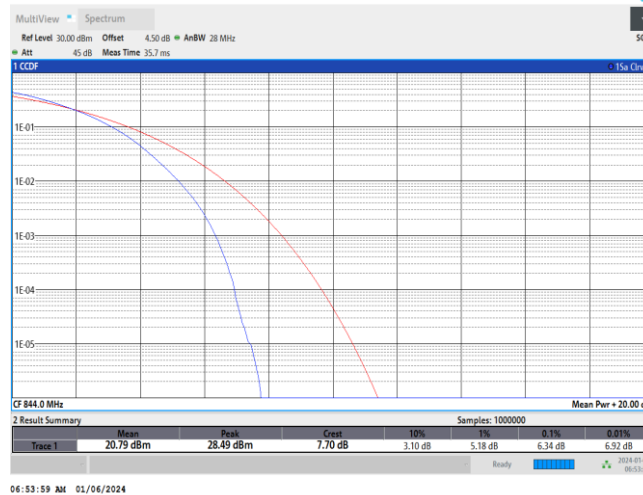
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Band5-10MHz-64QAM-20600-50RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20525	6RB#0	1.084	1.23	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.091	1.24	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.089	1.24	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.687	2.93	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.687	2.99	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.688	2.98	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.464	4.88	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.463	4.89	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.477	4.89	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.914	9.62	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.897	9.66	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.911	9.62	PASS



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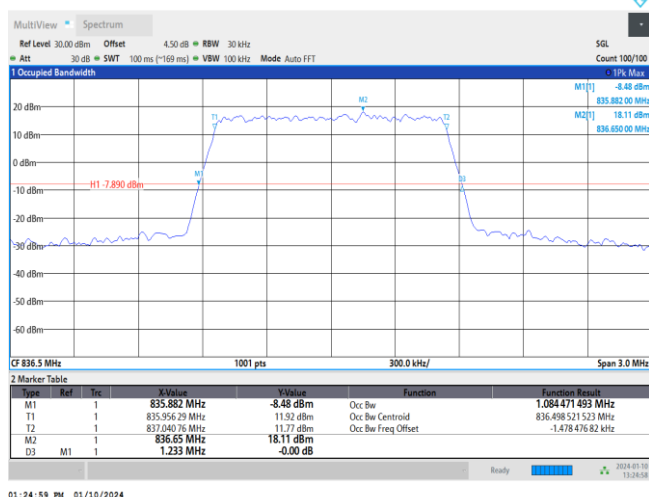
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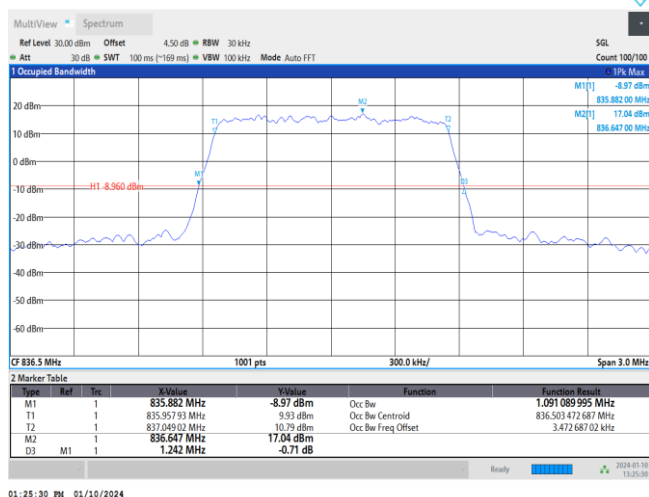
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Test Graphs

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



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



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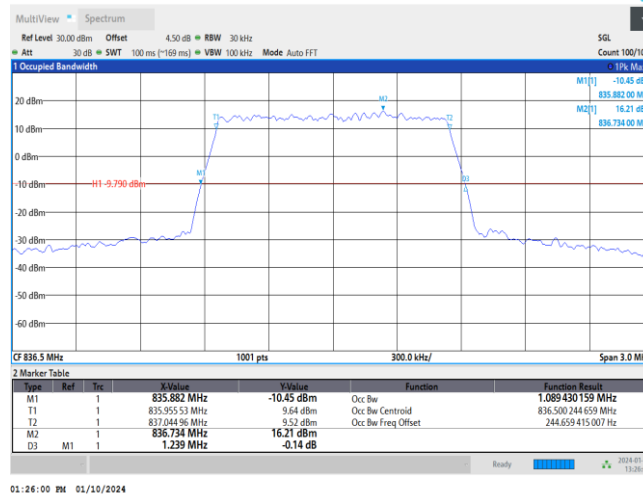
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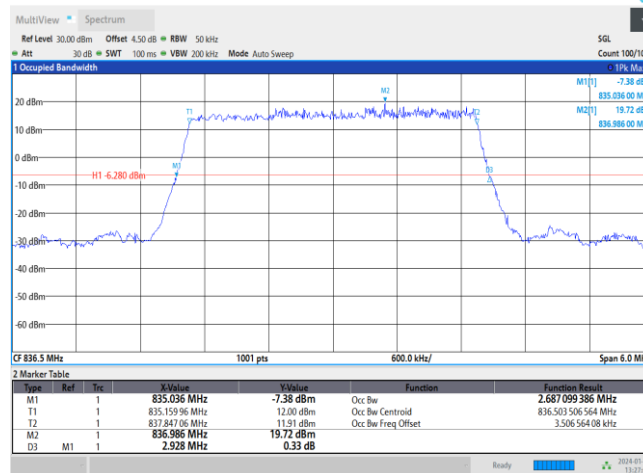
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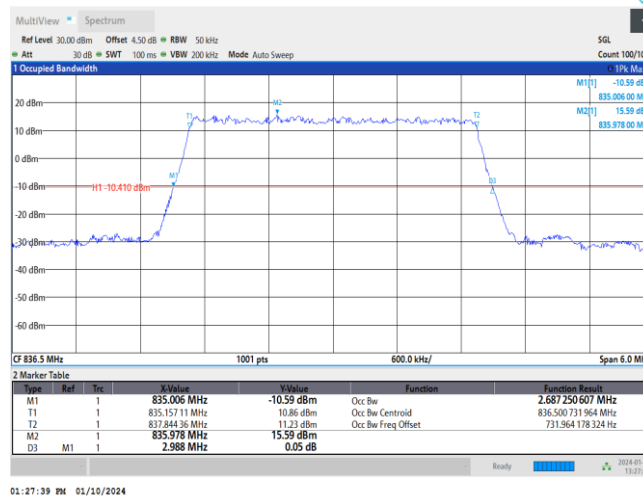
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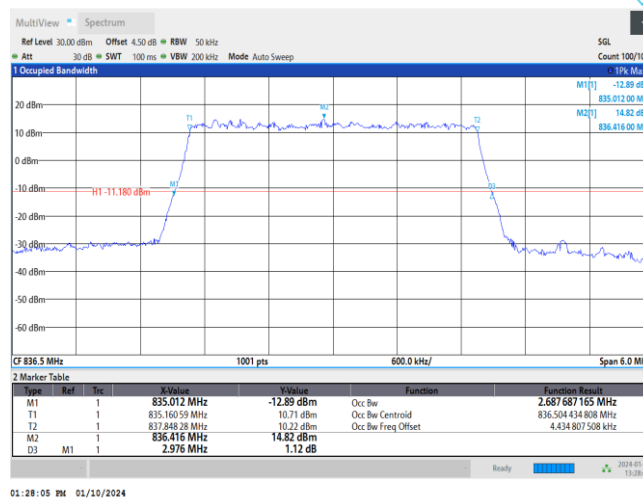
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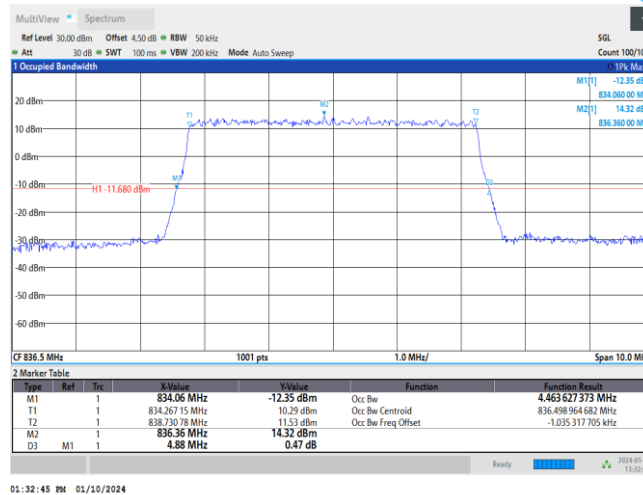
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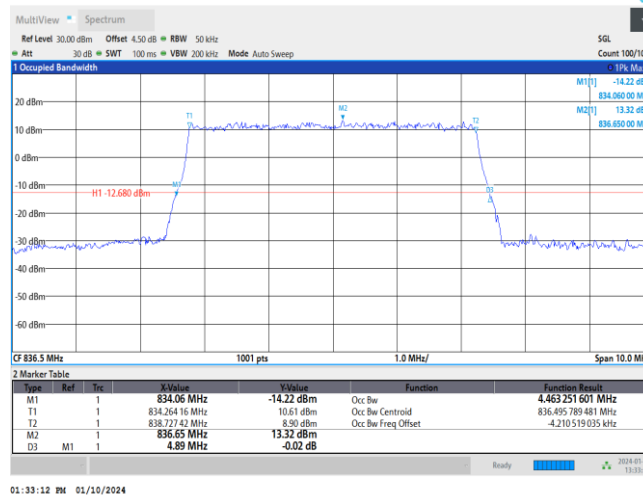
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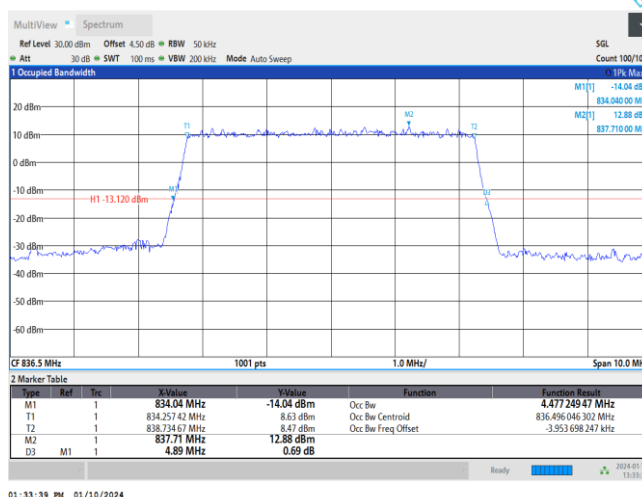
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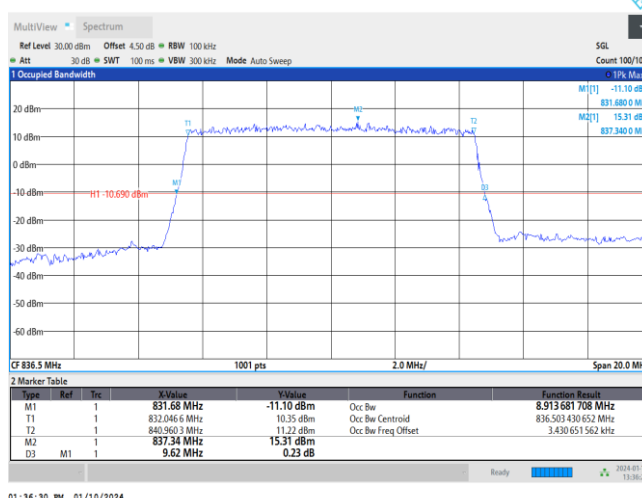
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Band5-10MHz-QPSK-20525-50RB#0



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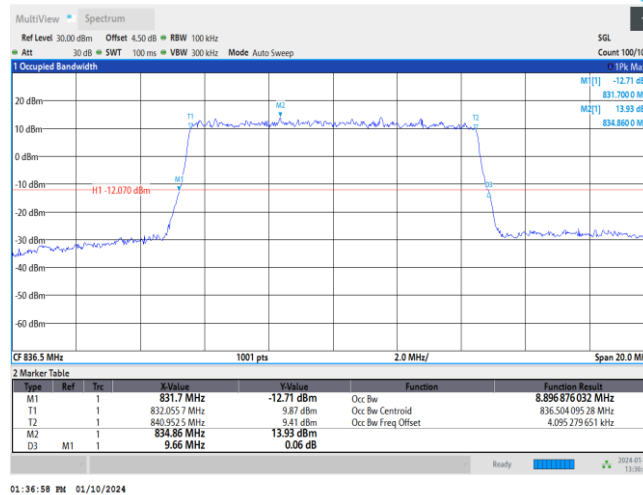
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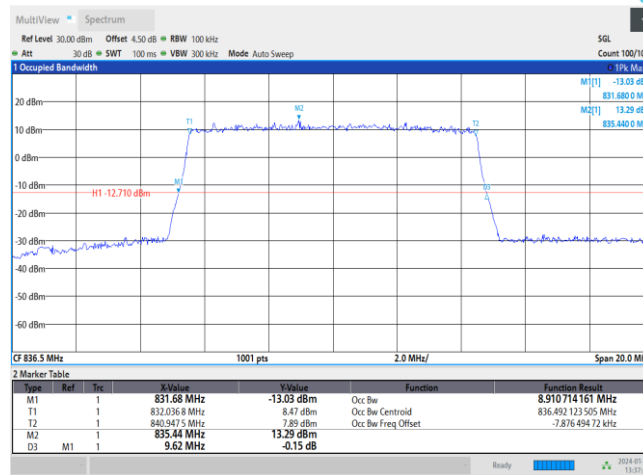
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Band5-10MHz-16QAM-20525-50RB#0



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



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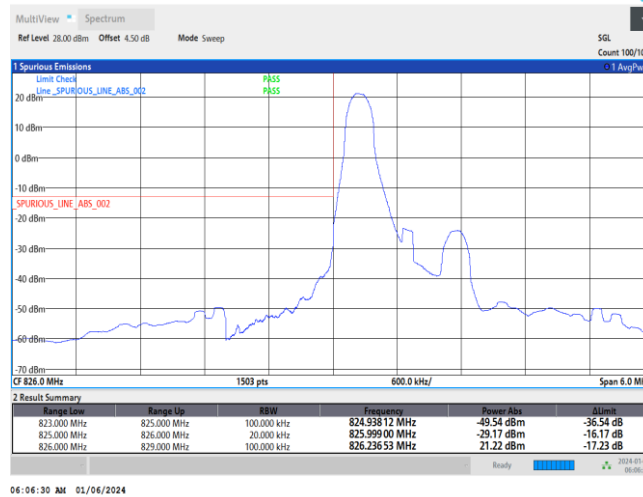
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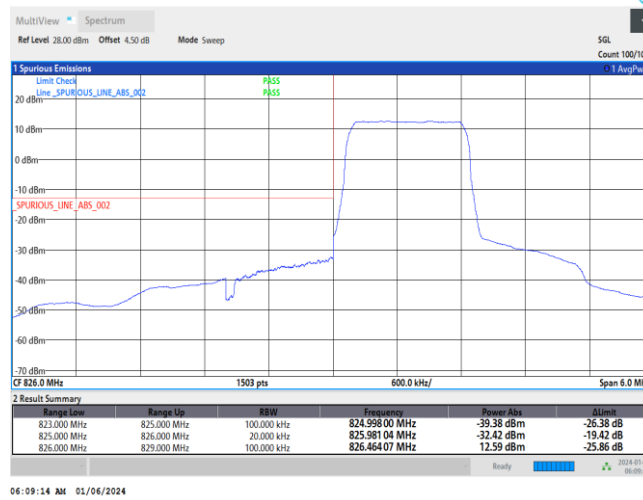
Band Edge

Test Graphs

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



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



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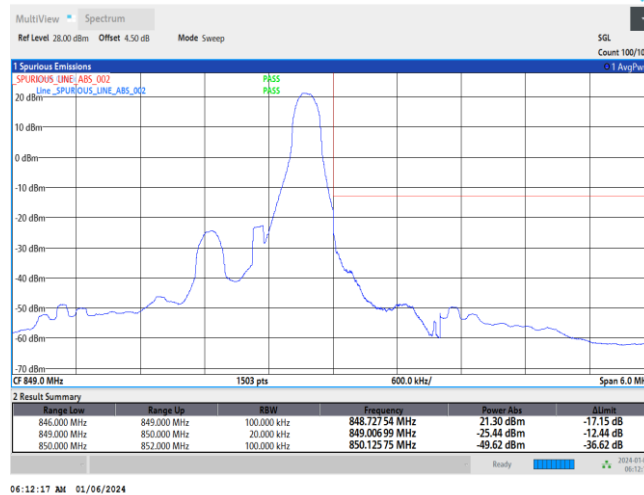
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Band5-1.4MHz-QPSK-20643-1RB#5



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



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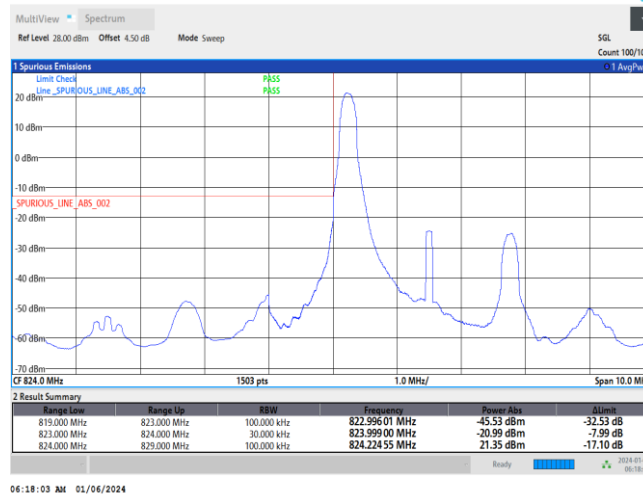
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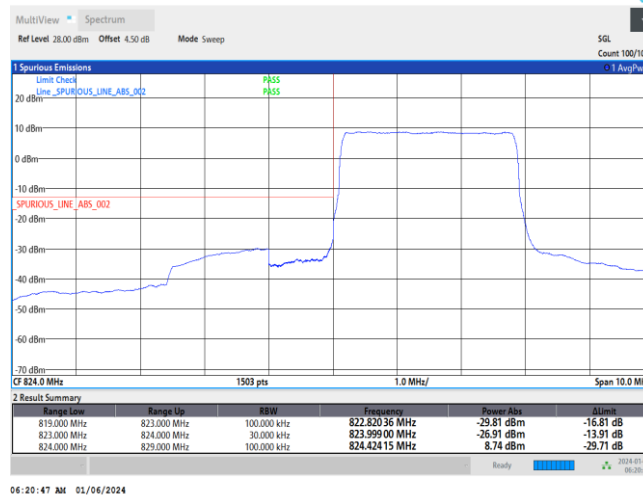
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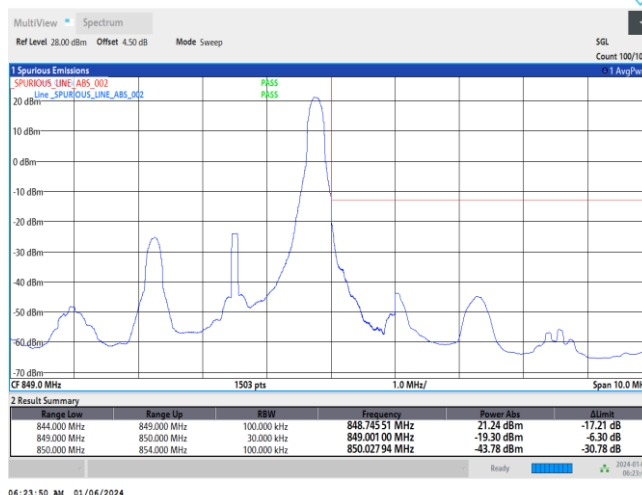
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Band5-3MHz-QPSK-20635-15RB#0



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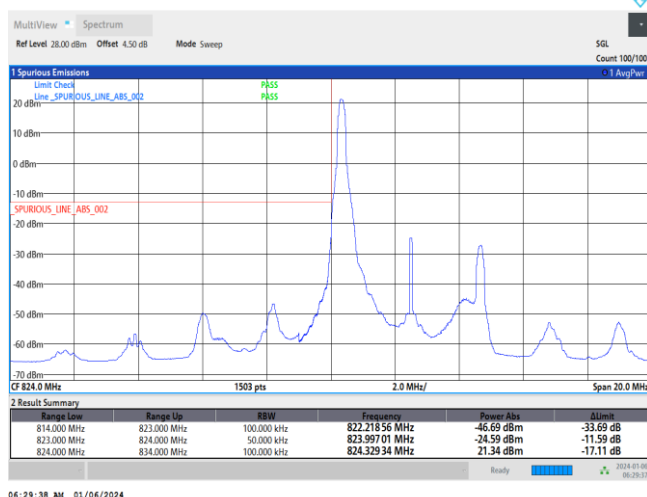
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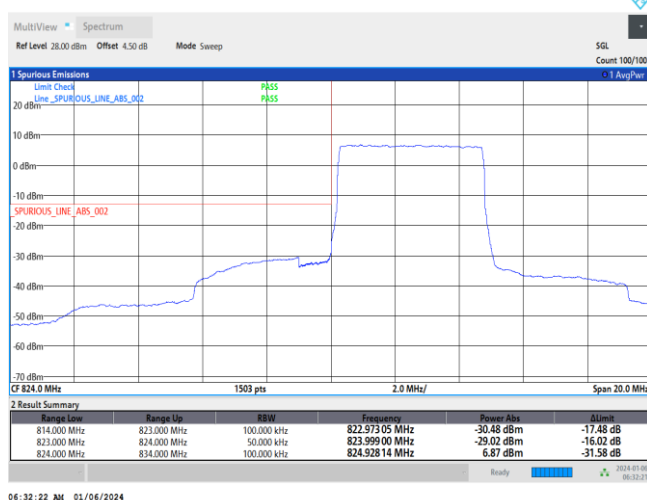
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Band5-5MHz-QPSK-20425-1RB#0



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



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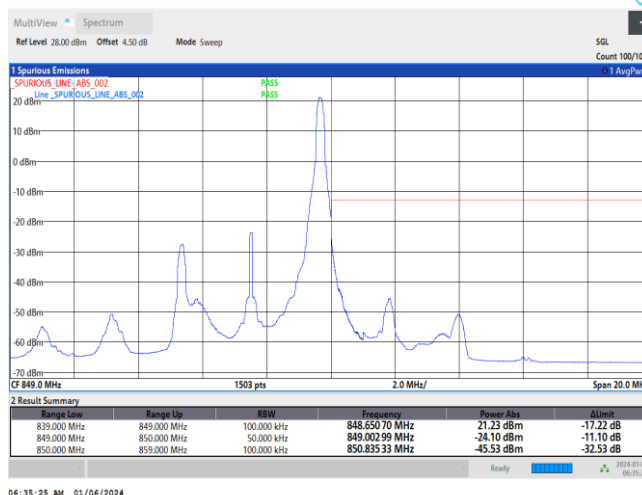
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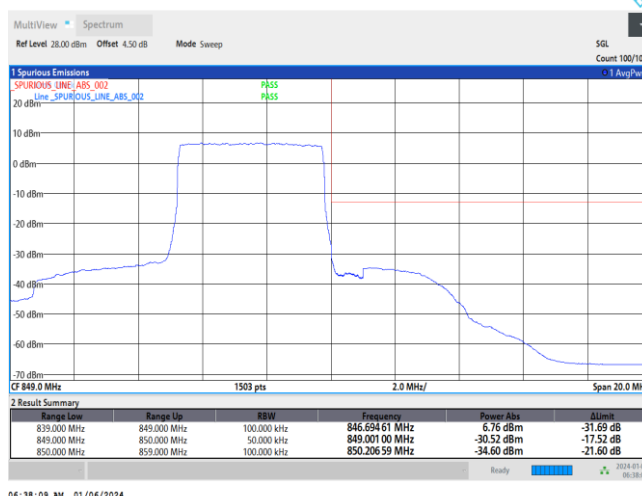
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Band5-5MHz-QPSK-20625-1RB#24



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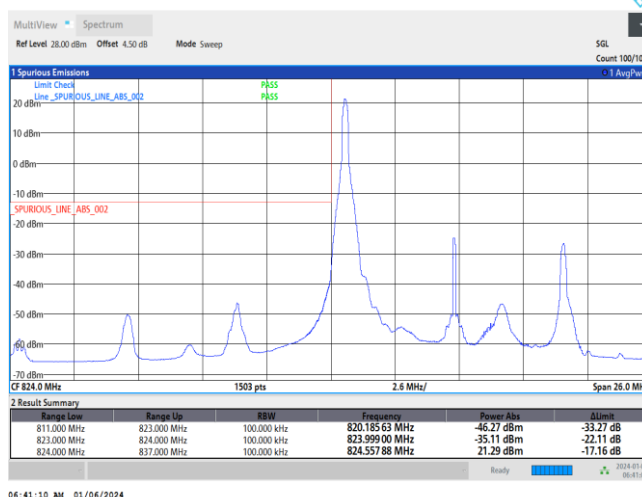
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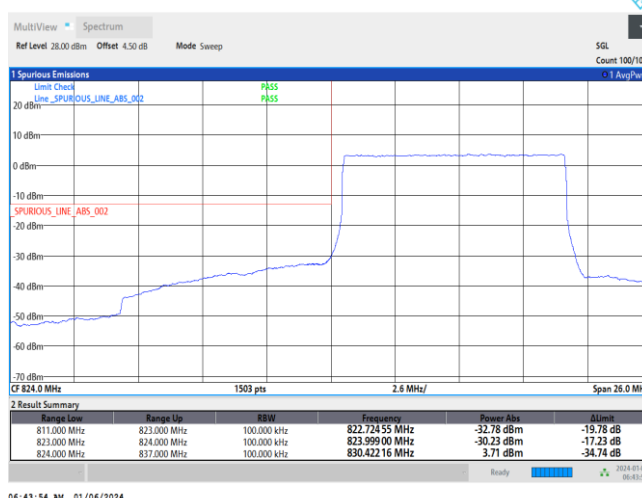
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Band5-10MHz-QPSK-20450-1RB#0



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



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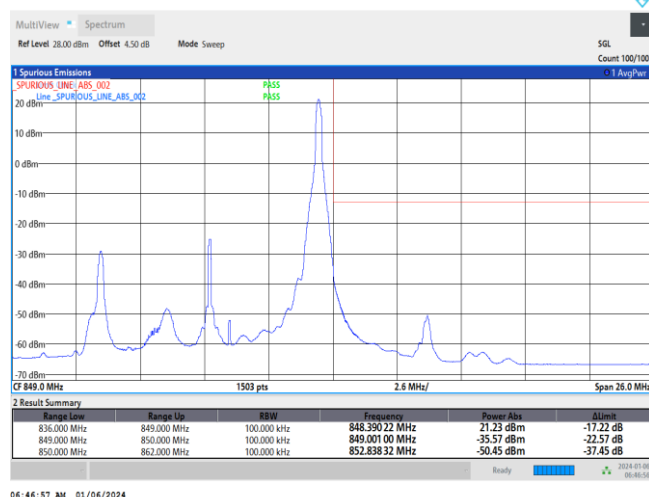
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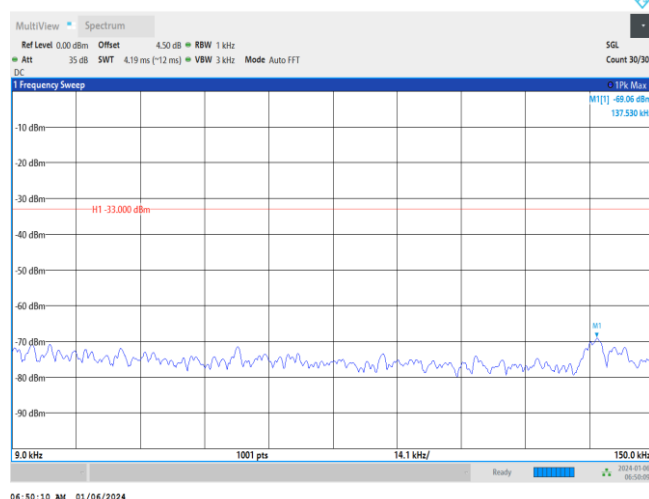
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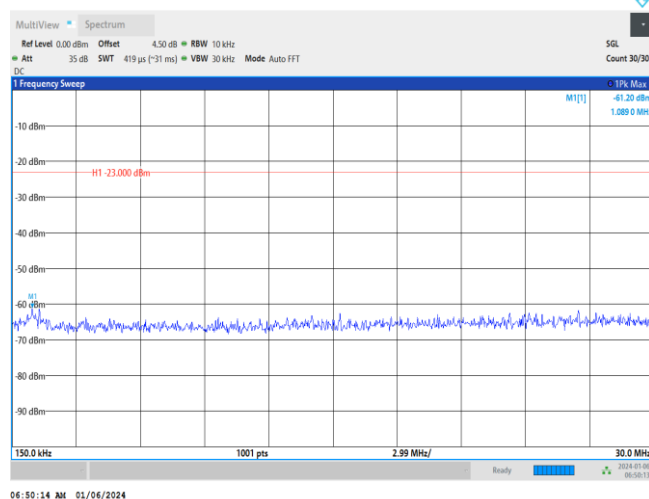
Conducted Spurious Emission

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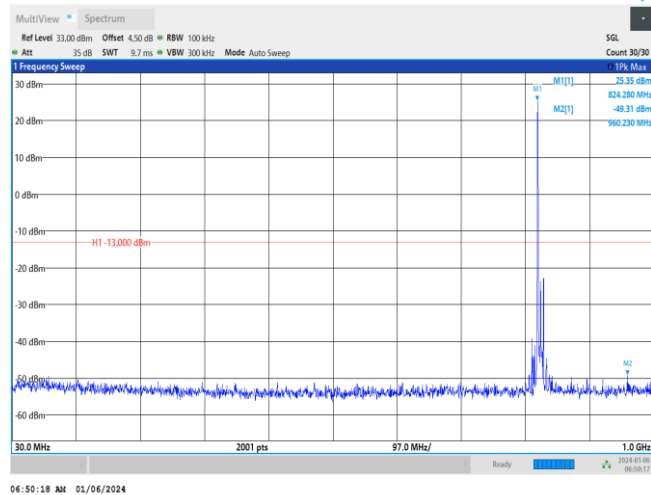
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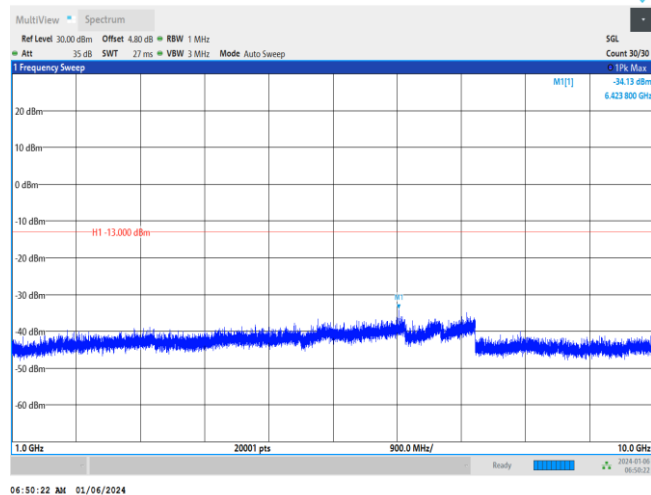
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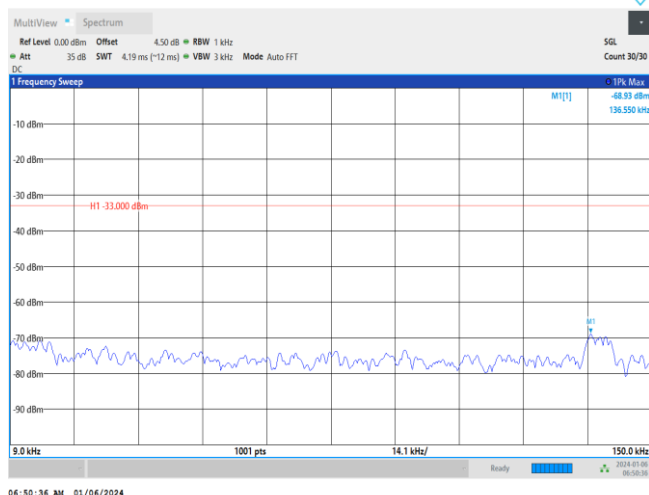
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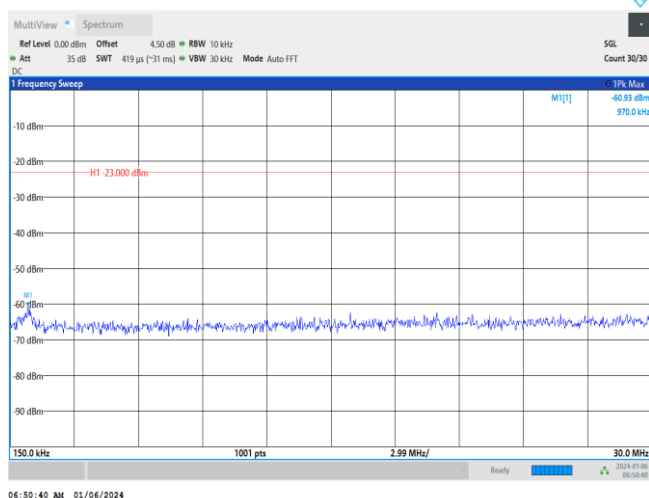
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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



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



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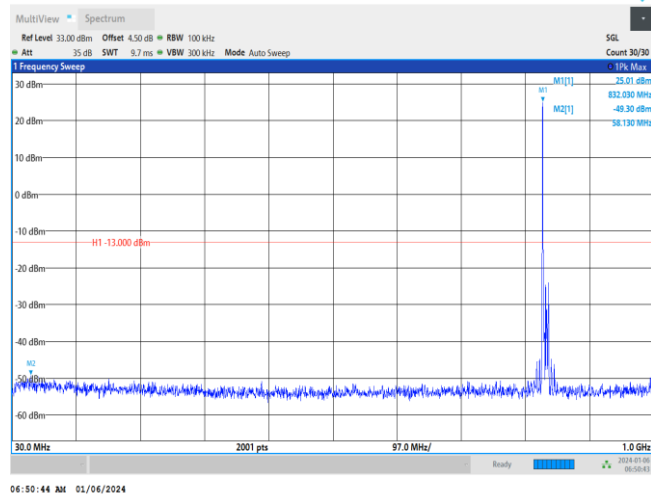
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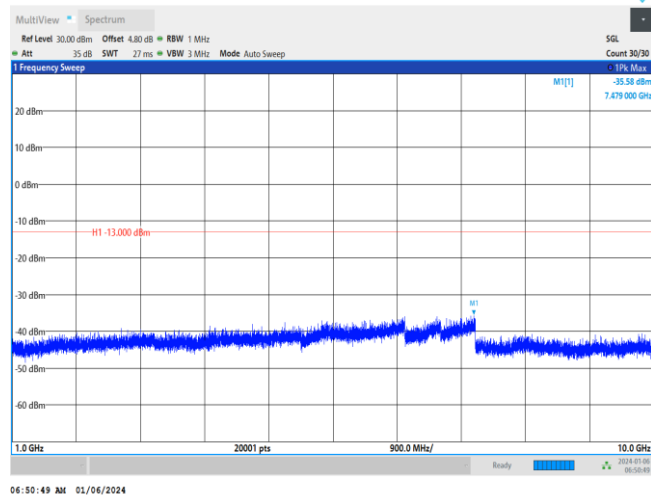
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Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



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



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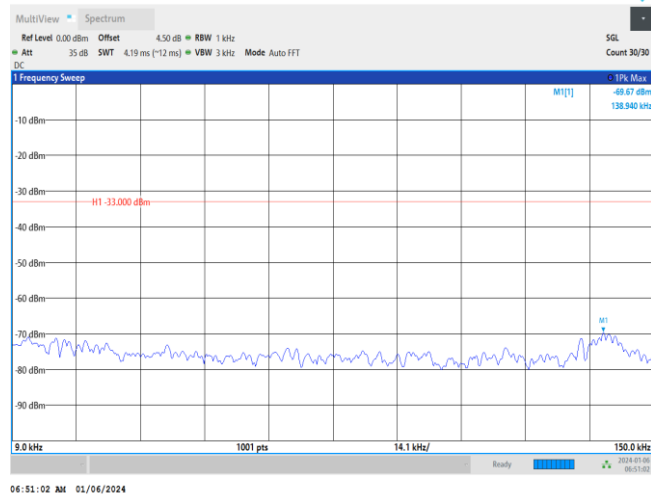
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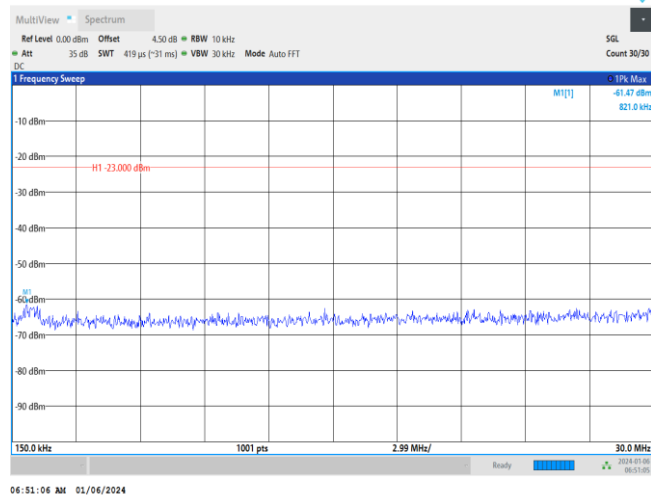
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



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



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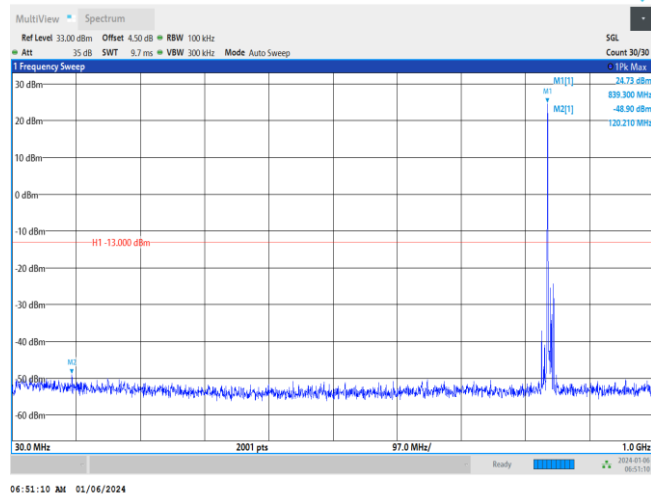
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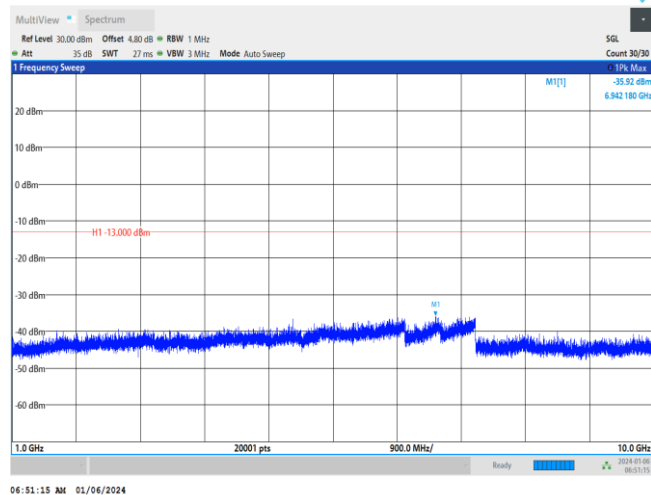
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



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]	Polarity
1	1649.18	39.65	-46.66	24.60	-77.67	-13.00	64.67	Horizontal
2	2473.77	34.75	-45.03	27.34	-78.20	-13.00	65.20	Horizontal
3	3298.36	33.28	-43.57	29.56	-75.99	-13.00	62.99	Horizontal
4	4122.95	33.23	-42.37	31.50	-72.90	-13.00	59.90	Horizontal
5	4947.54	33.36	-41.38	33.08	-70.19	-13.00	57.19	Horizontal
6	5772.13	33.36	-40.27	34.03	-68.15	-13.00	55.15	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.18	39.44	-46.66	24.60	-77.88	-13.00	64.88	Vertical
2	2473.77	40.87	-45.03	27.34	-72.08	-13.00	59.08	Vertical
3	3298.36	33.69	-43.57	29.56	-75.58	-13.00	62.58	Vertical
4	4122.95	32.71	-42.37	31.50	-73.42	-13.00	60.42	Vertical
5	4947.54	32.99	-41.38	33.08	-70.56	-13.00	57.56	Vertical
6	5772.13	33.15	-40.27	34.03	-68.36	-13.00	55.36	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]	Polarity
1	1664.18	39.01	-46.62	24.60	-78.27	-13.00	65.27	Horizontal
2	2496.27	34.55	-44.96	27.39	-78.28	-13.00	65.28	Horizontal
3	3328.36	32.95	-43.55	29.57	-76.29	-13.00	63.29	Horizontal
4	4160.45	32.85	-42.36	31.56	-73.22	-13.00	60.22	Horizontal
5	4992.54	33.32	-41.28	33.18	-70.03	-13.00	57.03	Horizontal
6	5824.63	33.21	-40.17	34.20	-68.01	-13.00	55.01	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.18	39.44	-46.62	24.60	-77.84	-13.00	64.84	Vertical
2	2496.27	40.46	-44.96	27.39	-72.37	-13.00	59.37	Vertical
3	3328.36	33.36	-43.55	29.57	-75.88	-13.00	62.88	Vertical
4	4160.45	32.57	-42.36	31.56	-73.50	-13.00	60.50	Vertical
5	4992.54	33.40	-41.28	33.18	-69.95	-13.00	56.95	Vertical
6	5824.63	33.18	-40.17	34.20	-68.04	-13.00	55.04	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]	Polarity
1	1679.18	38.22	-46.58	24.60	-79.02	-13.00	66.02	Horizontal
2	2518.77	34.13	-44.95	27.48	-78.60	-13.00	65.60	Horizontal
3	3358.36	32.87	-43.53	29.57	-76.35	-13.00	63.35	Horizontal
4	4197.95	32.13	-42.36	31.62	-73.87	-13.00	60.87	Horizontal
5	5037.54	33.10	-41.27	33.19	-70.24	-13.00	57.24	Horizontal
6	5887.13	33.13	-40.09	34.42	-67.80	-13.00	54.80	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.18	39.02	-46.58	24.60	-78.22	-13.00	65.22	Vertical
2	2518.77	40.36	-44.95	27.48	-72.37	-13.00	59.37	Vertical
3	3358.36	32.94	-43.53	29.57	-76.28	-13.00	63.28	Vertical
4	4197.95	32.58	-42.36	31.62	-73.42	-13.00	60.42	Vertical
5	5037.54	33.22	-41.27	33.19	-70.12	-13.00	57.12	Vertical
6	5887.13	32.91	-40.09	34.42	-68.02	-13.00	55.02	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	-2.70	-0.003228	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-3.10	-0.003706	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	2.00	0.002391	±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	0.70	0.000837	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-2.10	-0.002510	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	2.60	0.003108	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	2.20	0.002630	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	3.00	0.003586	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-4.20	-0.005021	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-3.60	-0.004304	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-0.60	-0.000717	±2.5	PASS

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