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Appendix B.6

LTE Band 5



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant0

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.57	19.82	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.34	19.59	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.54	19.79	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.48	18.73	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.5	18.75	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.56	18.81	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.65	18.9	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.65	17.9	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.6	17.85	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.6	17.85	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.69	17.94	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.58	16.83	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.4	19.65	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.45	19.7	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.3	19.55	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.52	18.77	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.62	18.87	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.63	18.88	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.58	18.83	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.69	17.94	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.62	17.87	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.73	17.98	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.72	17.97	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.63	16.88	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.47	19.72	38.45	PASS



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Band5	1.4MHz	QPSK	20643	1RB#2	23.44	19.69	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.45	19.7	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.51	18.76	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.59	18.84	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.64	18.89	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.47	18.72	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.79	18.04	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.66	17.91	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.61	17.86	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.6	17.85	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.62	16.87	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.45	19.7	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.42	19.67	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.38	19.63	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.46	18.71	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.62	18.87	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.48	18.73	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.56	18.81	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.65	17.9	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.56	17.81	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.56	17.81	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.64	17.89	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.71	16.96	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.57	19.82	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.45	19.7	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.46	19.71	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.57	18.82	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.62	18.87	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.61	18.86	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.43	18.68	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.69	17.94	38.45	PASS



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Band5	3MHz	64QAM	20525	1RB#0	21.7	17.95	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.69	17.94	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.53	17.78	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.71	16.96	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.49	19.74	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.36	19.61	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.47	19.72	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.5	18.75	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.59	18.84	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.56	18.81	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.54	18.79	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.5	17.75	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.65	17.9	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.67	17.92	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.57	17.82	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.8	17.05	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.44	19.69	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.38	19.63	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.47	19.72	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.52	18.77	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.64	18.89	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.5	18.75	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.57	18.82	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.63	17.88	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.67	17.92	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.64	17.89	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.62	17.87	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.72	16.97	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.58	19.83	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.39	19.64	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.45	19.7	38.45	PASS



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Band5	5MHz	QPSK	20525	25RB#0	22.58	18.83	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.6	18.85	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.51	18.76	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.58	18.83	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.68	17.93	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.68	17.93	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.71	17.96	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.62	17.87	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.63	16.88	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.41	19.66	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.44	19.69	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.37	19.62	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.55	18.8	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.49	18.74	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.52	18.77	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.46	18.71	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.61	17.86	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.6	17.85	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.54	17.79	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.64	17.89	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.78	17.03	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.53	19.78	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.4	19.65	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.43	19.68	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.52	18.77	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.59	18.84	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.54	18.79	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.54	18.79	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.7	17.95	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.67	17.92	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.63	17.88	38.45	PASS



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Band5	10MHz	64QAM	20450	1RB#49	21.58	17.83	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.74	16.99	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.64	19.89	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.48	19.73	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.36	19.61	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.6	18.85	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.68	18.93	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.52	18.77	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.45	18.7	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.65	17.9	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.58	17.83	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.73	17.98	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.54	17.79	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.71	16.96	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.41	19.66	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.41	19.66	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.43	19.68	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.44	18.69	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.6	18.85	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.54	18.79	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.51	18.76	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.54	17.79	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.67	17.92	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.64	17.89	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.62	17.87	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.8	17.05	38.45	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	4.76	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.00	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.30	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.60	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.02	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.04	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.18	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.56	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.56	13	PASS



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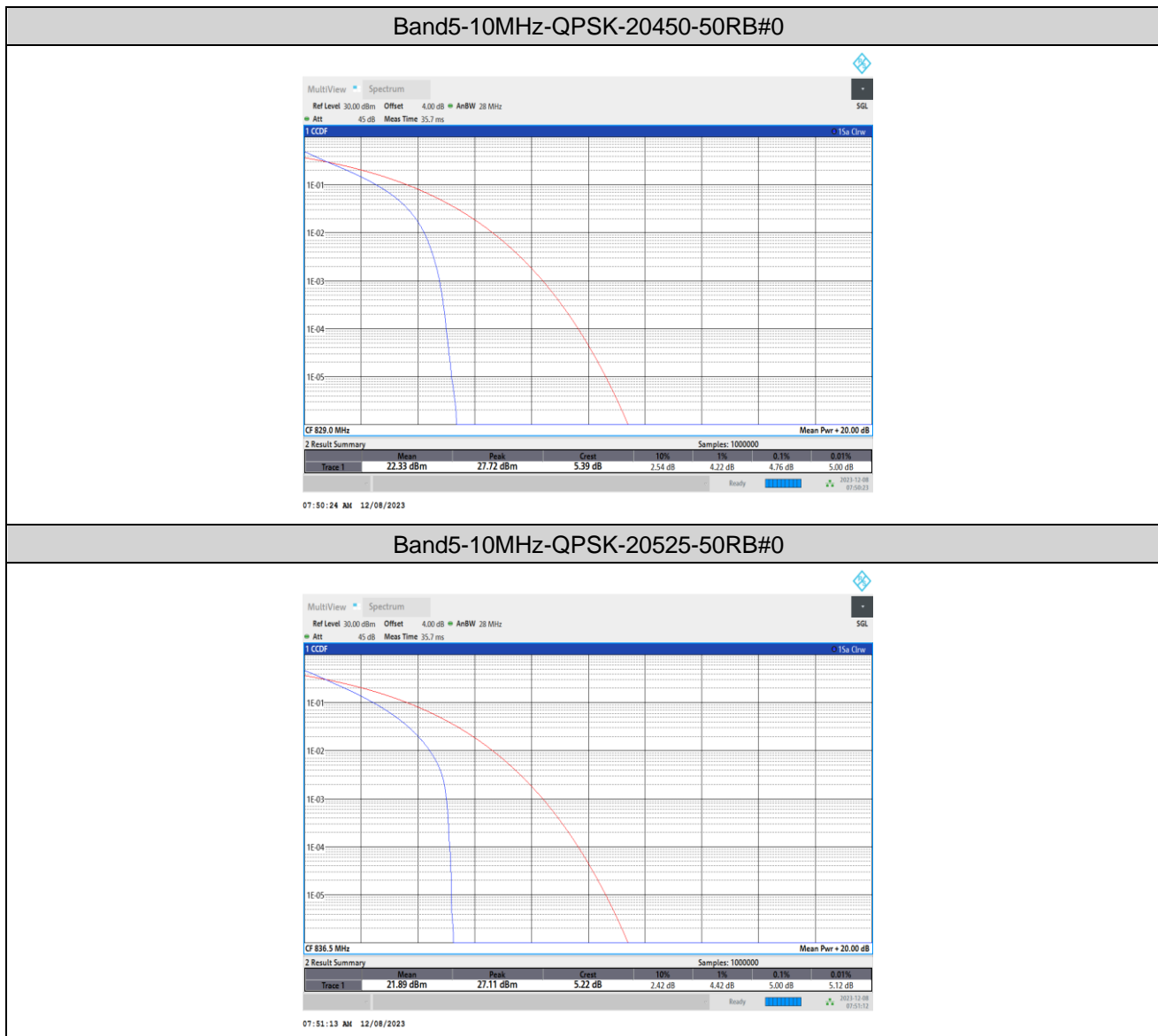
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Test Graphs

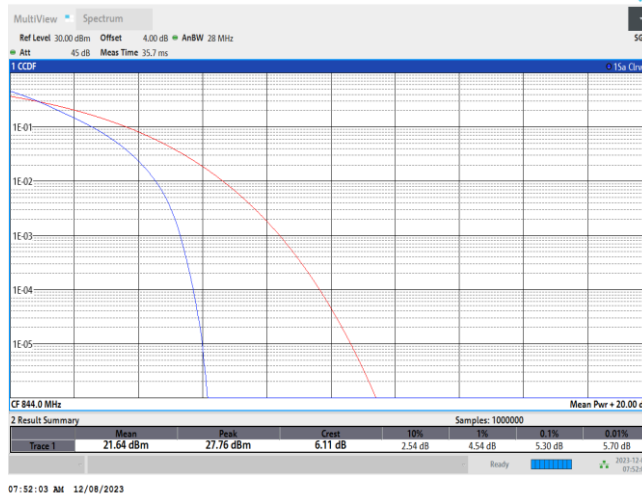


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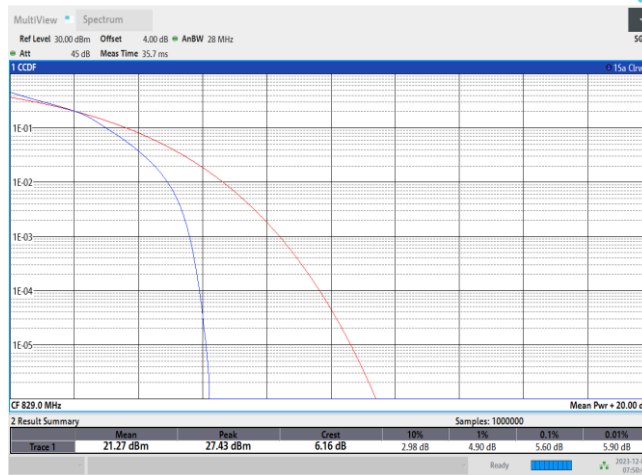
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Band5-10MHz-QPSK-20600-50RB#0



07:52:03 AM 12/08/2023

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



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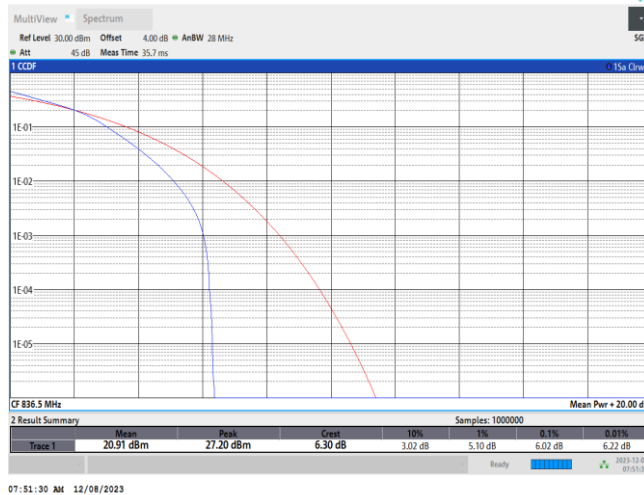
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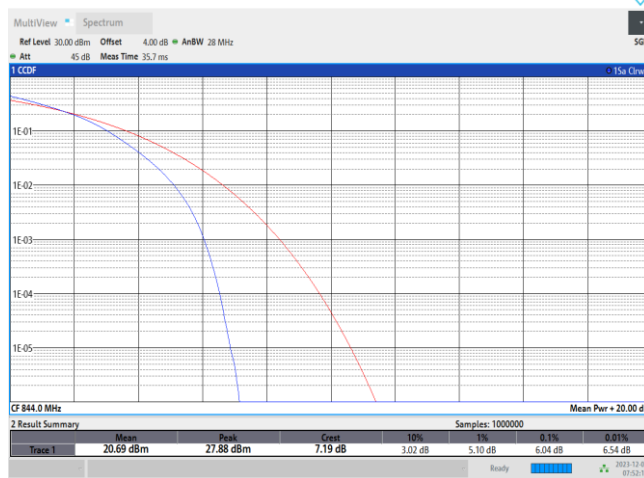
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Band5-10MHz-16QAM-20525-50RB#0



07:51:30 AM 12/08/2023

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



07:52:19 AM 12/08/2023



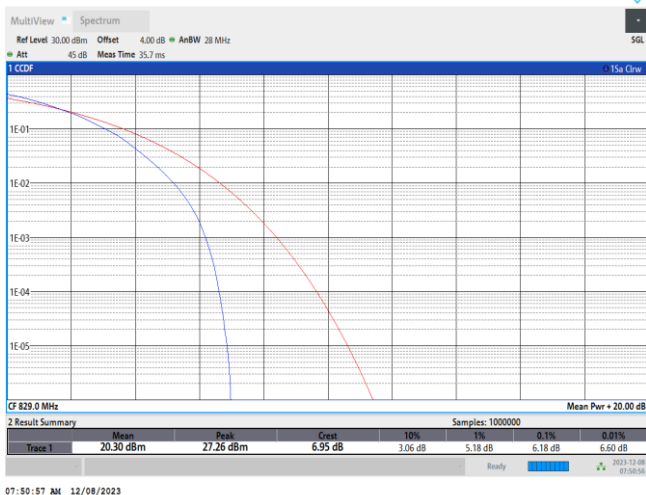
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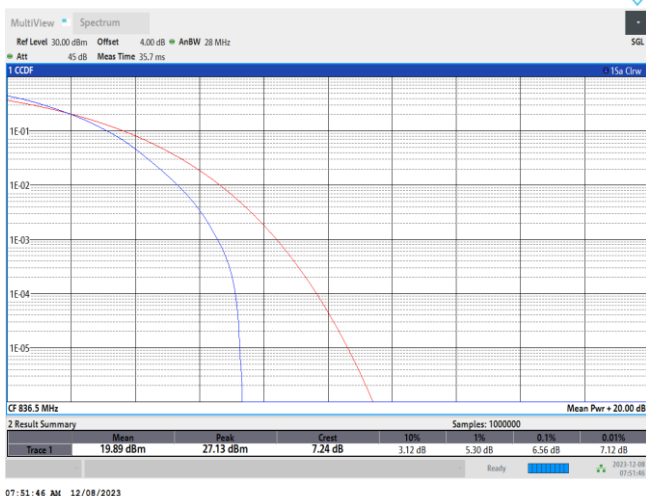
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Band5-10MHz-64QAM-20450-50RB#0



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

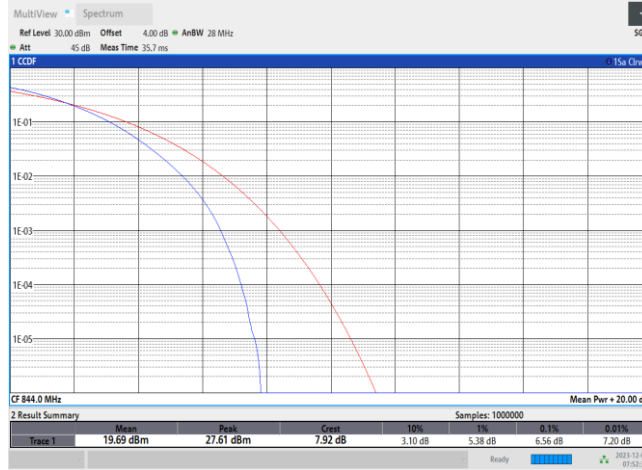


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Band5-10MHz-64QAM-20600-50RB#0



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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	1.105	1.37	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.11	1.39	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.104	1.39	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.691	3.03	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.699	3.04	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.699	3.02	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.473	4.99	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.475	5.05	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.471	5.02	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.905	9.76	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.912	9.82	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.918	9.84	PASS



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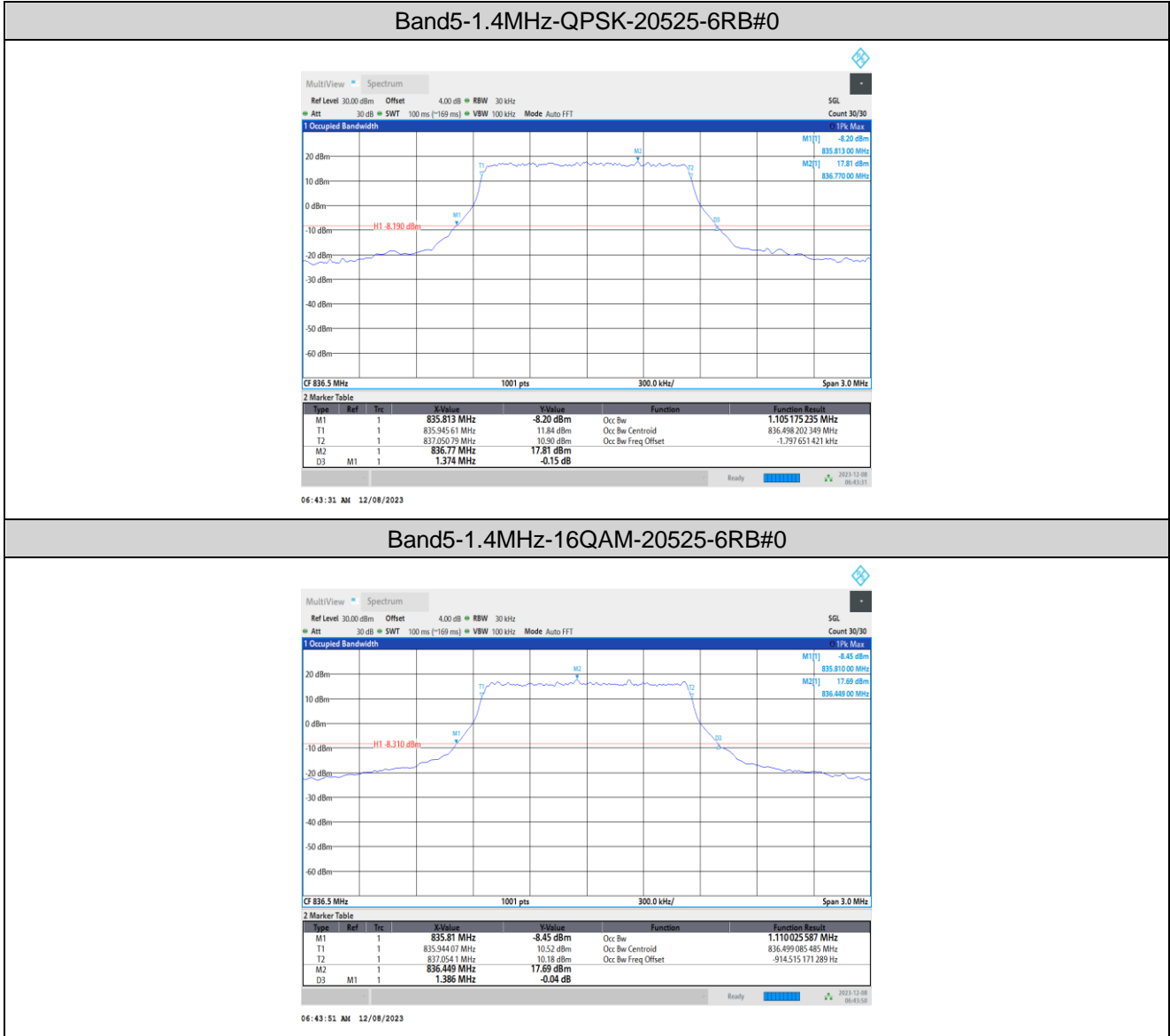
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Test Graphs



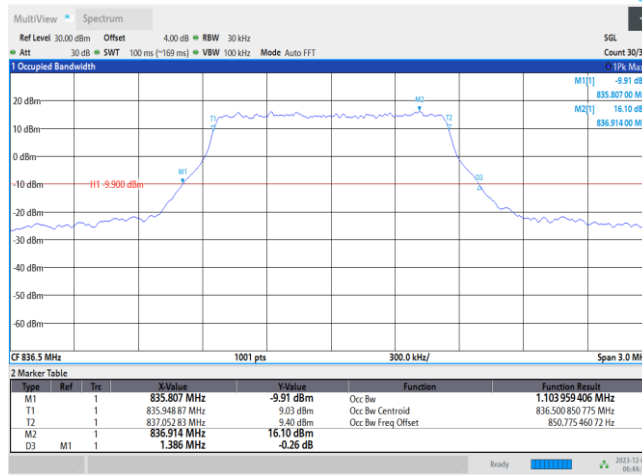
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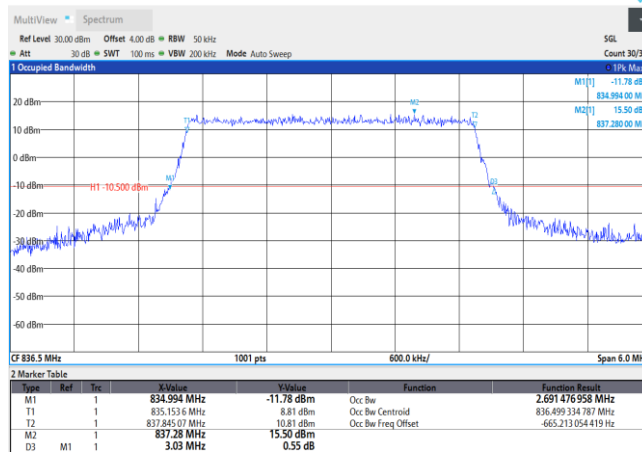
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Band5-1.4MHz-64QAM-20525-6RB#0



06:44:11 AM 12/08/2023

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



06:47:04 AM 12/08/2023

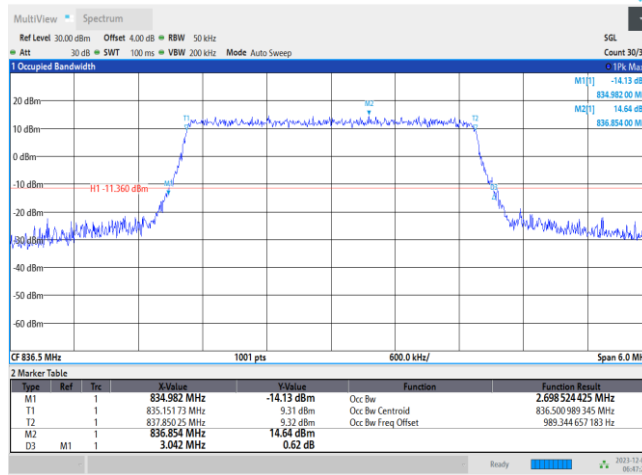


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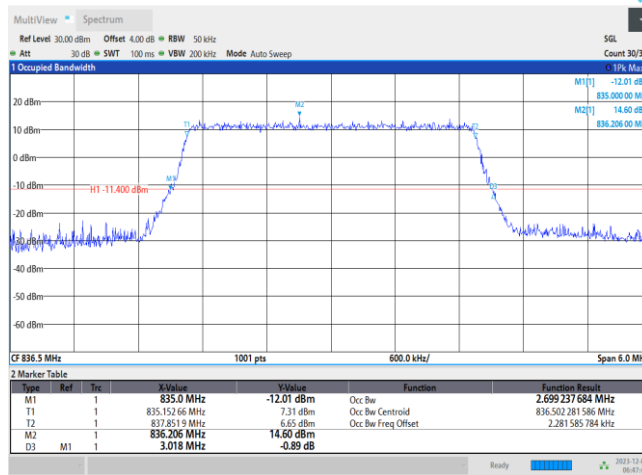
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Band5-3MHz-16QAM-20525-15RB#0



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



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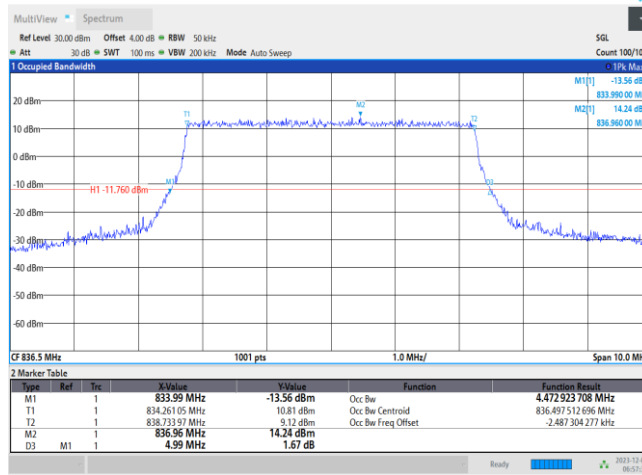
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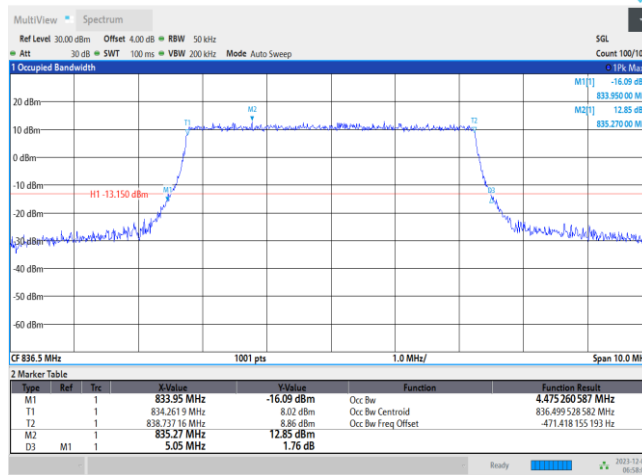
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Band5-5MHz-QPSK-20525-25RB#0



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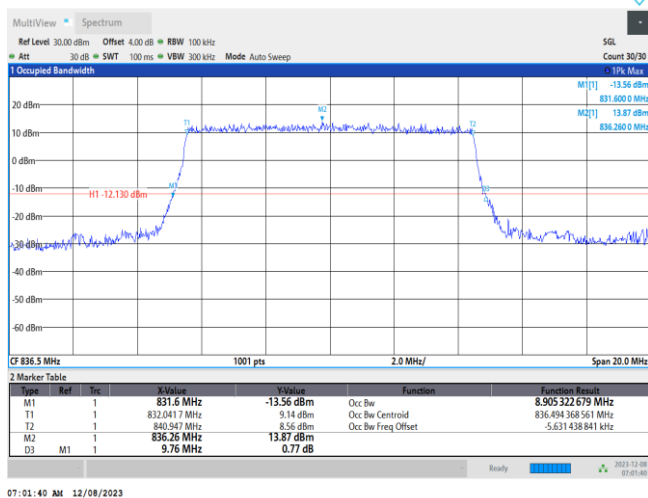
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Band5-5MHz-64QAM-20525-25RB#0



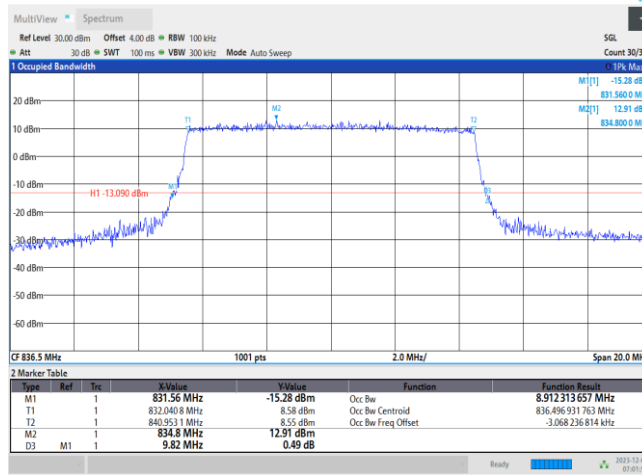
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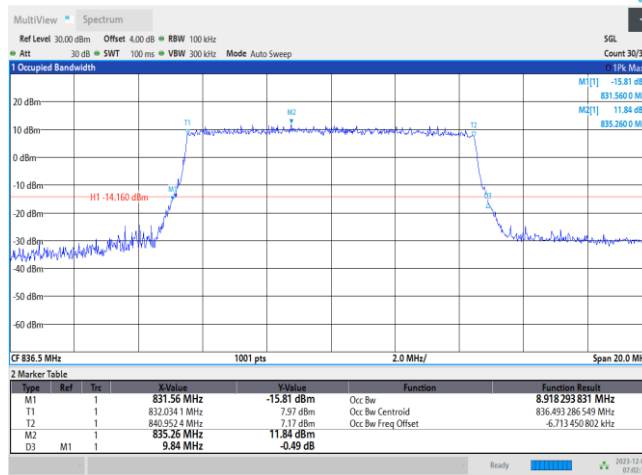
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Band5-10MHz-16QAM-20525-50RB#0



07:01:59 AM 12/08/2023

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



07:02:17 AM 12/08/2023

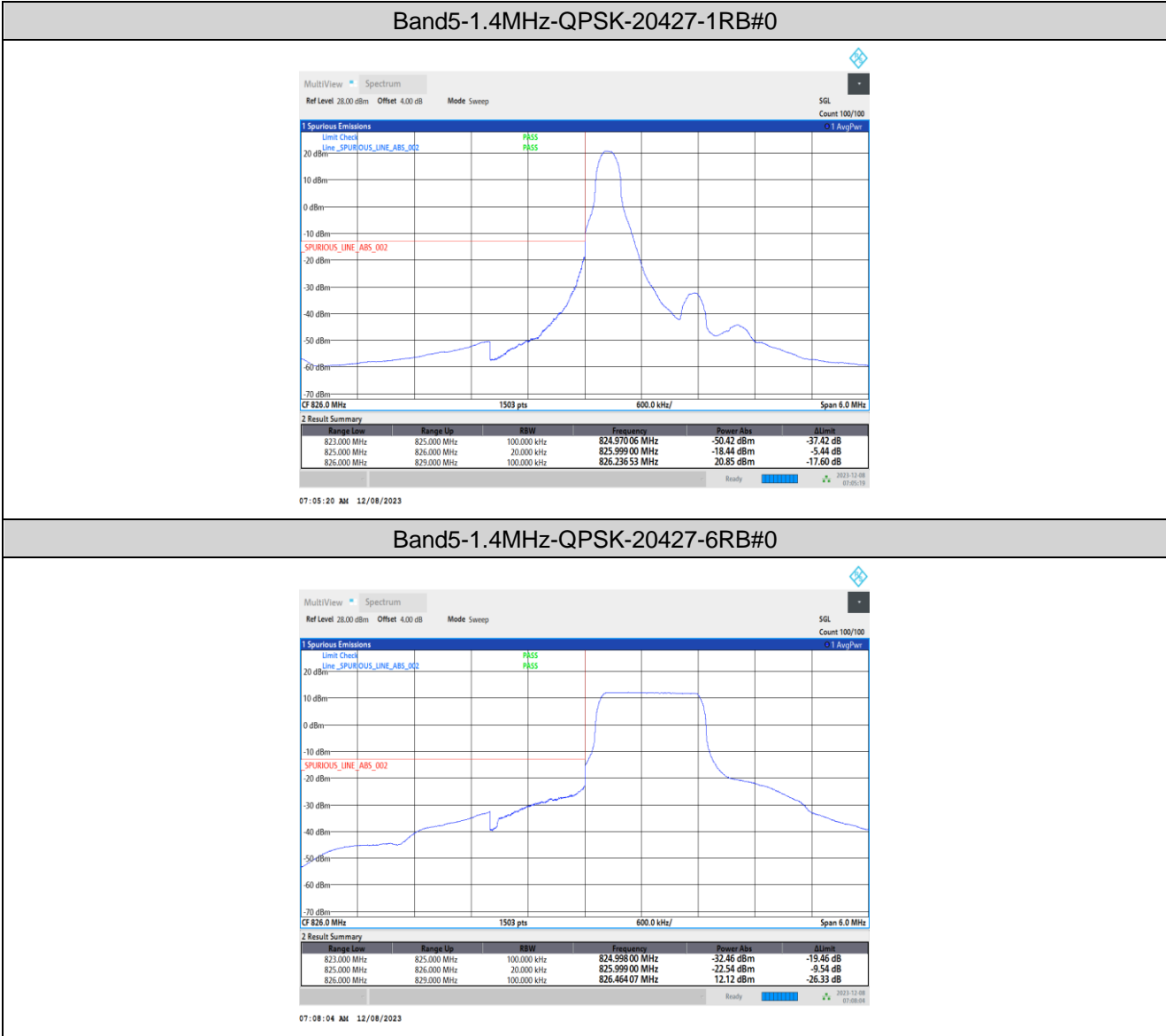


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Band Edge

Test Graphs



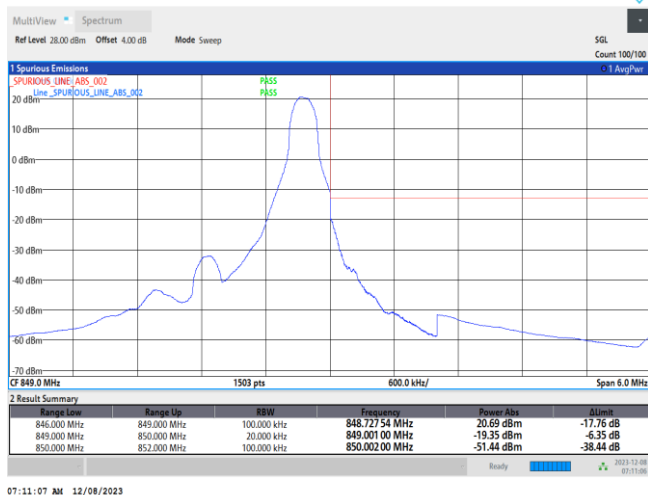
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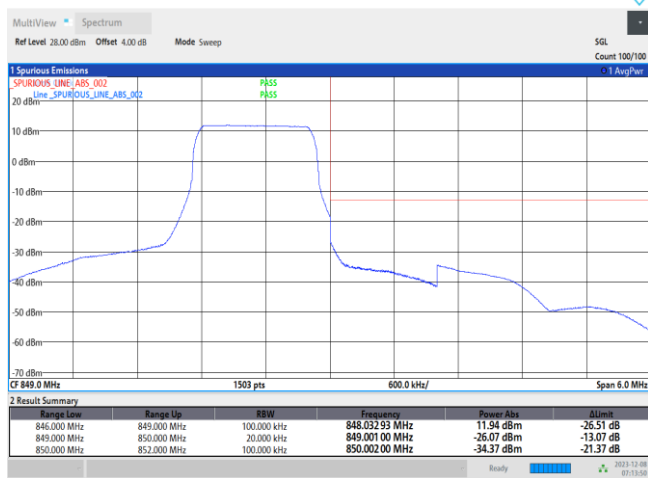
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Band5-1.4MHz-QPSK-20643-1RB#5



07:11:07 AM 12/08/2023

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



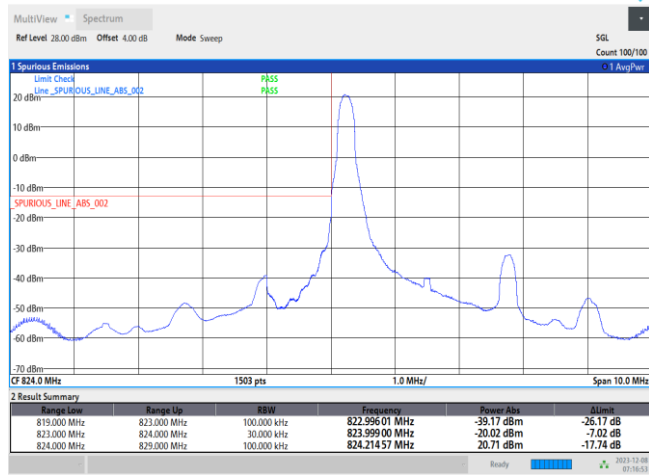
07:13:51 AM 12/08/2023



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



07:16:53 AM 12/08/2023

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



07:19:37 AM 12/08/2023



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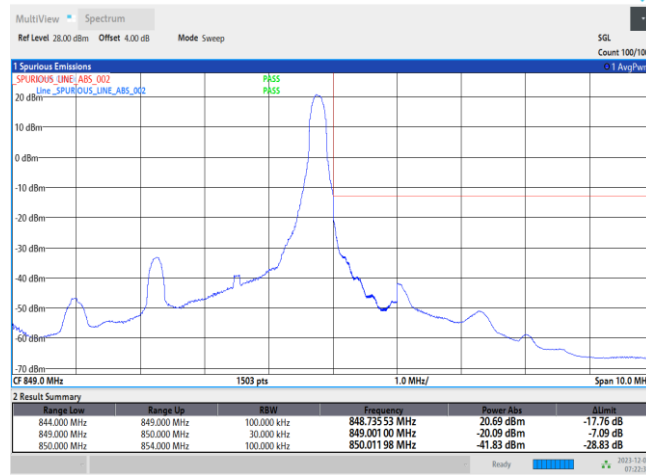
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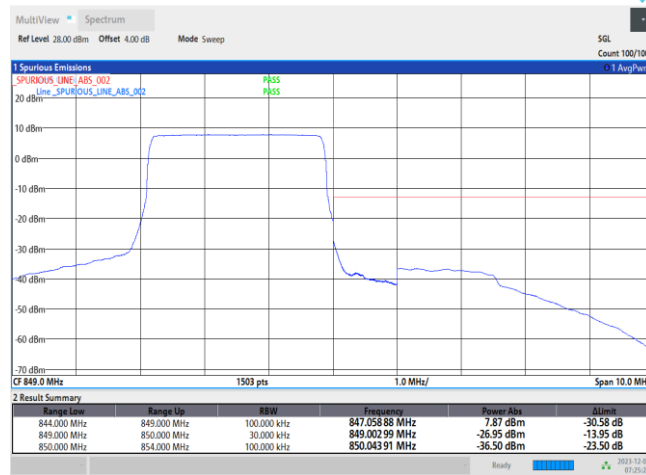
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Band5-3MHz-QPSK-20635-1RB#14



07:22:40 AM 12/08/2023

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



07:25:23 AM 12/08/2023



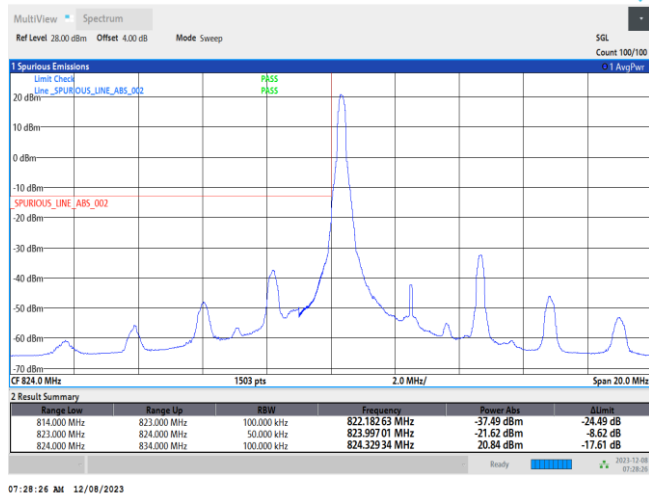
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Band5-5MHz-QPSK-20425-1RB#0



07:28:26 AM 12/08/2023

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



07:31:10 AM 12/08/2023



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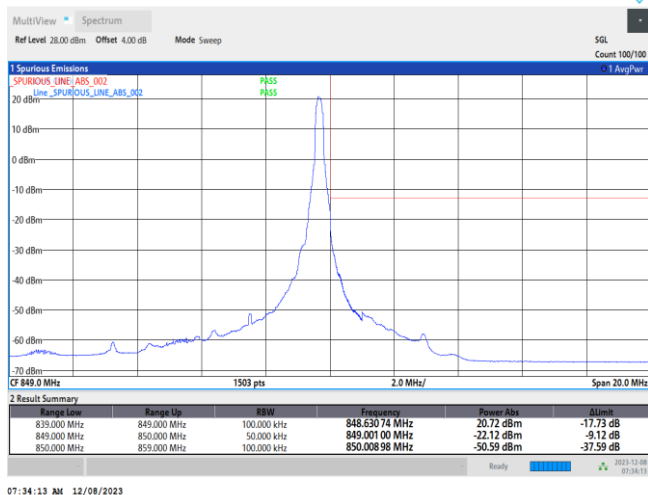
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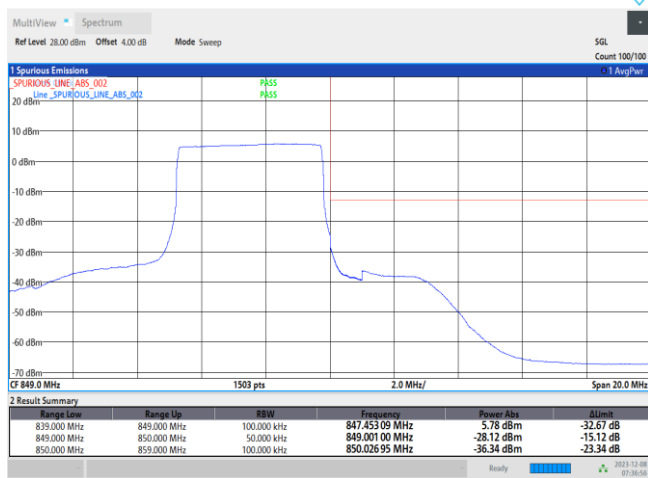
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Band5-5MHz-QPSK-20625-1RB#24



07:34:13 AM 12/08/2023

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



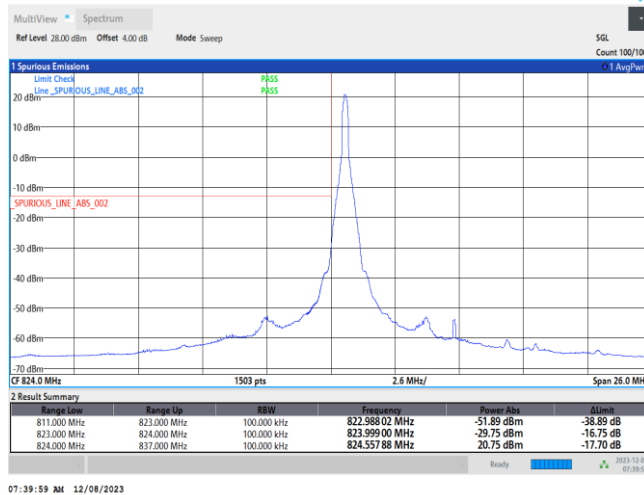
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Band5-10MHz-QPSK-20450-1RB#0



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



07:42:43 AM 12/08/2023



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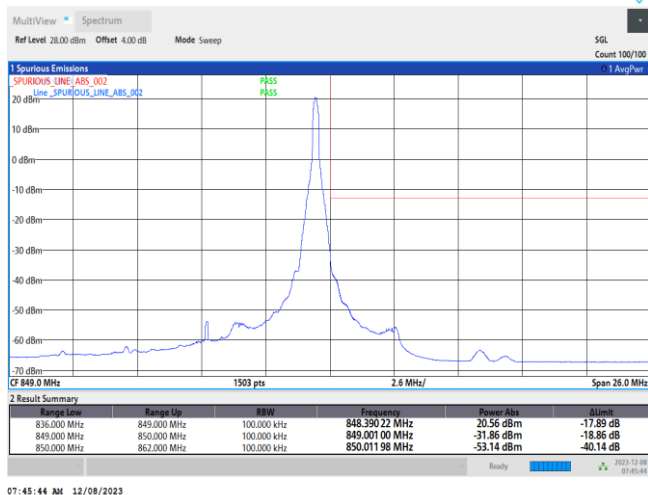
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Band5-10MHz-QPSK-20600-1RB#49



07:45:44 AM 12/08/2023

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



07:48:27 AM 12/08/2023



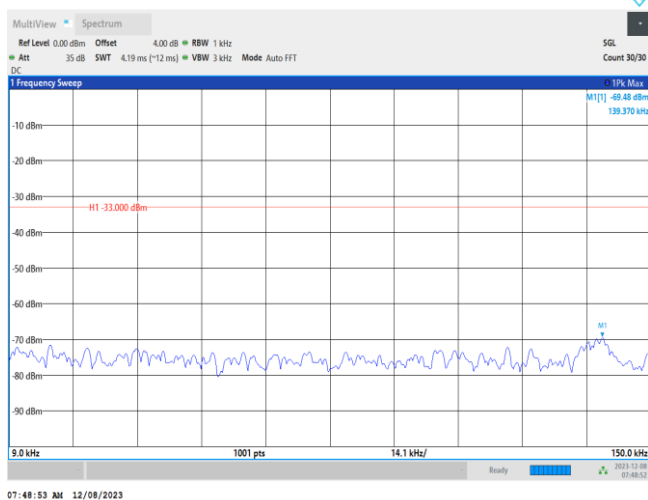
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Conducted Spurious Emission

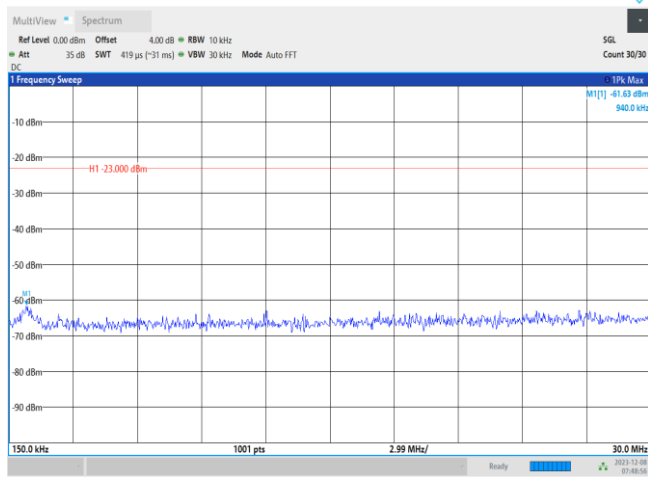
Test Graphs

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



07:48:53 AM 12/08/2023

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



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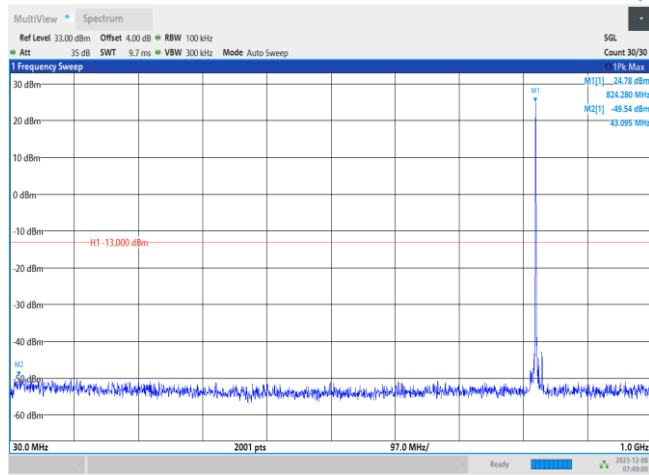


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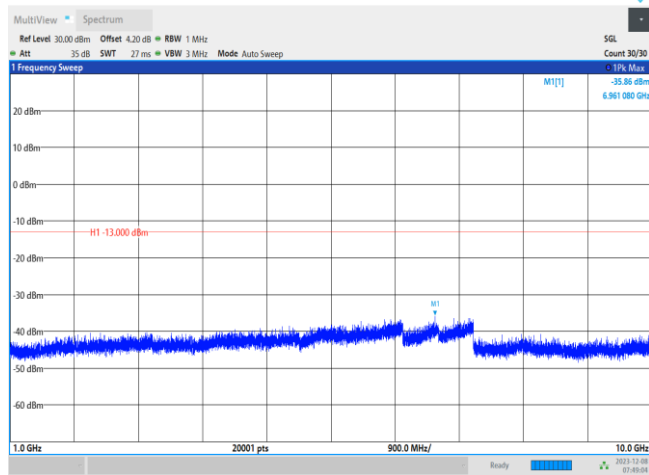
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Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



07:49:00 AM 12/08/2023

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



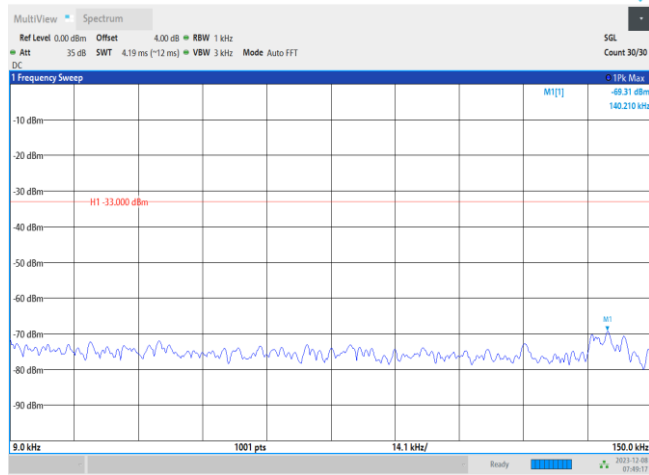
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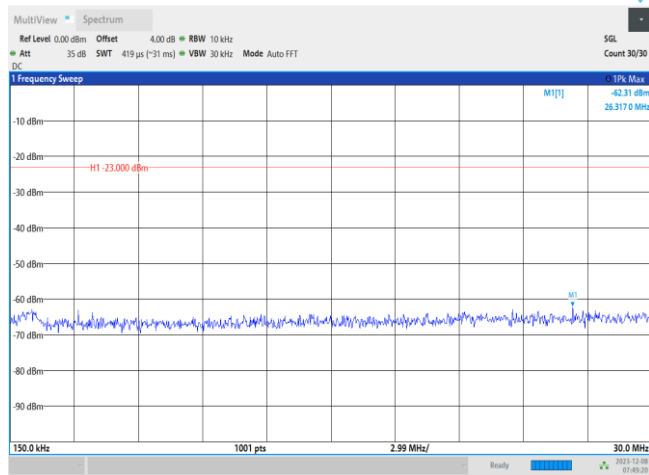
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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



07:49:19 AM 12/08/2023

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



07:49:21 AM 12/08/2023

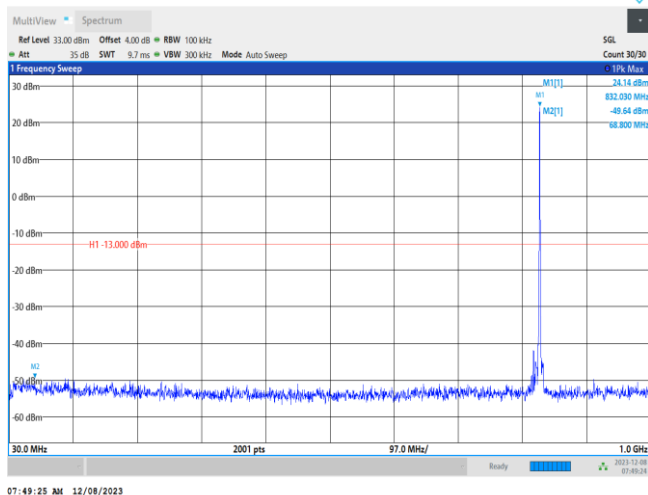


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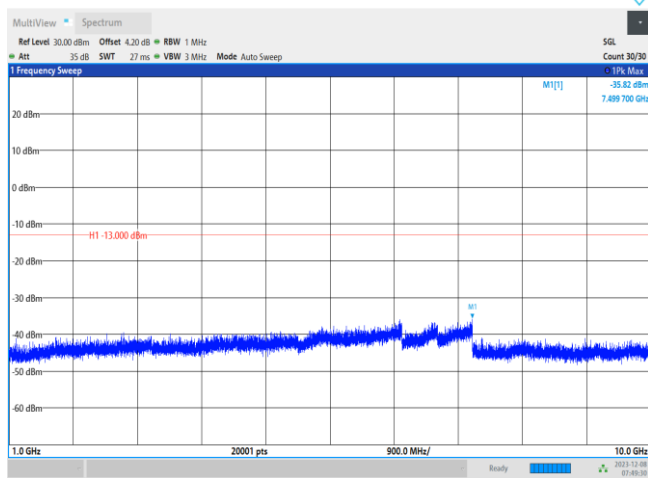
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Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



07:49:25 AM 12/08/2023

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



07:49:30 AM 12/08/2023

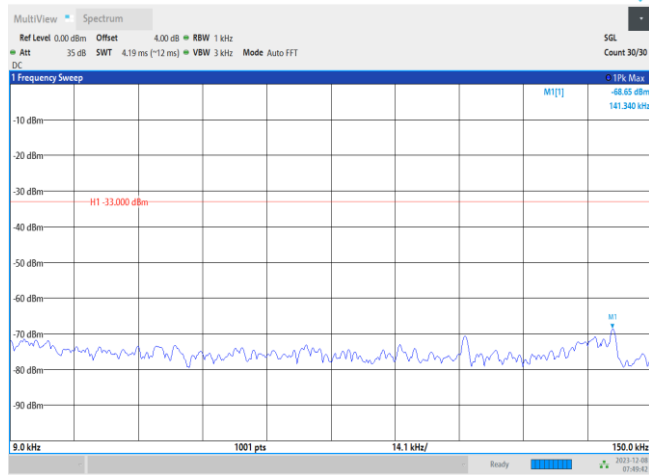


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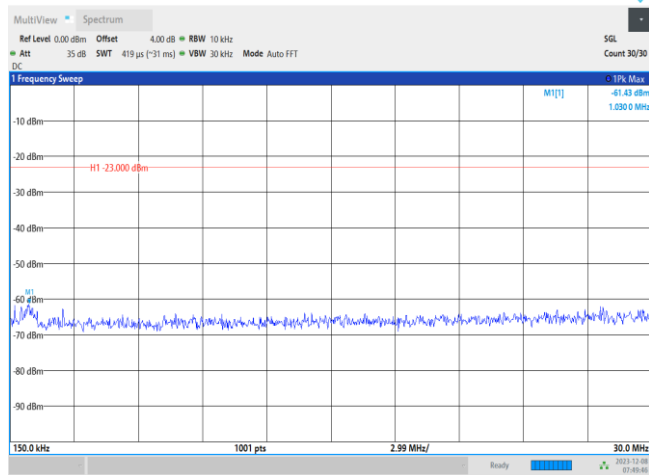
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



07:49:42 AM 12/08/2023

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



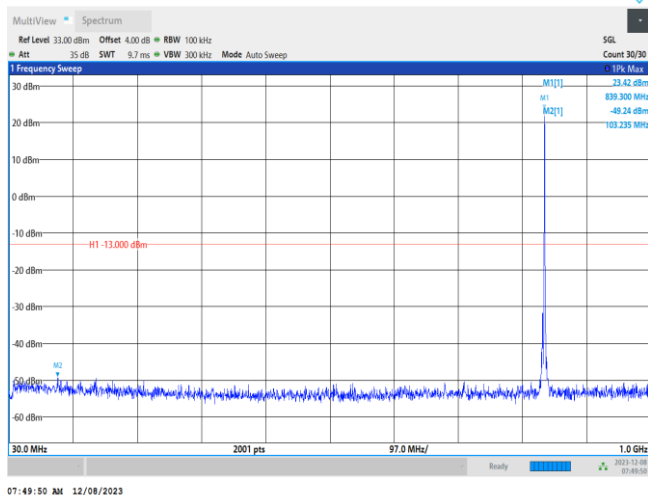
07:49:46 AM 12/08/2023



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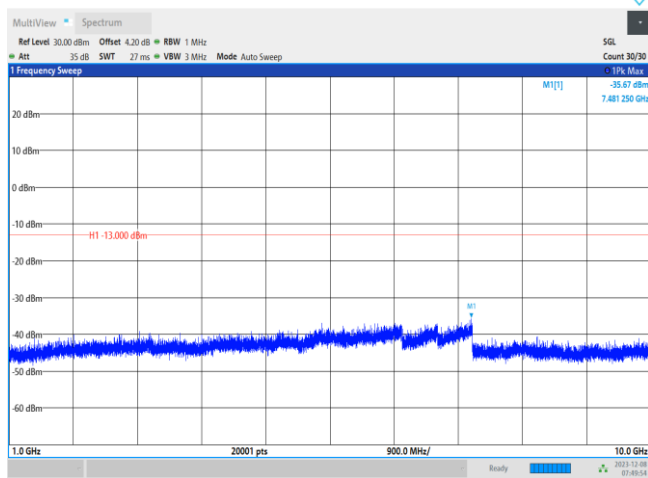
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



07:49:50 AM 12/08/2023

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



07:49:54 AM 12/08/2023



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Member of the SGS Group (SGS SA)

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	52.86	-46.66	24.60	-64.46	-13.00	51.46	Horizontal
2	2473.77	45.12	-45.03	27.34	-67.83	-13.00	54.83	Horizontal
3	3298.36	35.14	-43.57	29.56	-74.13	-13.00	61.13	Horizontal
4	4122.95	34.08	-42.37	31.50	-72.05	-13.00	59.05	Horizontal
5	4947.54	33.64	-41.38	33.08	-69.91	-13.00	56.91	Horizontal
6	5772.13	34.11	-40.27	34.03	-67.40	-13.00	54.40	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.18	52.21	-46.66	24.60	-65.11	-13.00	52.11	Vertical
2	2473.77	43.82	-45.03	27.34	-69.13	-13.00	56.13	Vertical
3	3298.36	35.41	-43.57	29.56	-73.86	-13.00	60.86	Vertical
4	4122.95	34.33	-42.37	31.50	-71.80	-13.00	58.80	Vertical
5	4947.54	34.91	-41.38	33.08	-68.64	-13.00	55.64	Vertical
6	5772.13	34.19	-40.27	34.03	-67.32	-13.00	54.32	Vertical



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Member of the SGS Group (SGS SA)

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	53.81	-46.62	24.60	-63.47	-13.00	50.47	Horizontal
2	2496.27	44.69	-44.96	27.39	-68.14	-13.00	55.14	Horizontal
3	3328.36	35.16	-43.55	29.57	-74.08	-13.00	61.08	Horizontal
4	4160.45	34.24	-42.36	31.56	-71.83	-13.00	58.83	Horizontal
5	4992.54	34.20	-41.28	33.18	-69.15	-13.00	56.15	Horizontal
6	5824.63	34.17	-40.17	34.20	-67.05	-13.00	54.05	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.18	53.52	-46.62	24.60	-63.76	-13.00	50.76	Vertical
2	2496.27	44.28	-44.96	27.39	-68.55	-13.00	55.55	Vertical
3	3328.36	35.02	-43.55	29.57	-74.22	-13.00	61.22	Vertical
4	4160.45	34.21	-42.36	31.56	-71.86	-13.00	58.86	Vertical
5	4992.54	34.48	-41.28	33.18	-68.87	-13.00	55.87	Vertical
6	5824.63	34.01	-40.17	34.20	-67.21	-13.00	54.21	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	1679.1111	53.87	-46.58	24.60	-63.37	-13.00	50.37	Horizontal
2	2518.77	45.55	-44.95	27.48	-67.18	-13.00	54.18	Horizontal
3	3358.36	35.36	-43.53	29.57	-73.86	-13.00	60.86	Horizontal
4	4197.95	35.75	-42.36	31.62	-70.25	-13.00	57.25	Horizontal
5	5037.54	35.21	-41.27	33.19	-68.13	-13.00	55.13	Horizontal
6	5887.13	34.49	-40.09	34.42	-66.44	-13.00	53.44	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.1111	51.71	-46.58	24.60	-65.53	-13.00	52.53	Vertical
2	2518.77	44.97	-44.95	27.48	-67.76	-13.00	54.76	Vertical
3	3358.36	35.40	-43.53	29.57	-73.82	-13.00	60.82	Vertical
4	4197.95	35.37	-42.36	31.62	-70.63	-13.00	57.63	Vertical
5	5037.54	37.24	-41.27	33.19	-66.10	-13.00	53.10	Vertical
6	5887.13	34.28	-40.09	34.42	-66.65	-13.00	53.65	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	0.00	0.000000	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	1.00	0.001195	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-1.00	-0.001195	±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	-1.00	-0.001195	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	0.80	0.000956	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-1.80	-0.002152	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-0.40	-0.000478	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	0.10	0.000120	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	0.00	0.000000	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	0.20	0.000239	±2.5	PASS

---End of Attachment---



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