

# Appendix B.6

## LTE Band 5



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

Ant0 (Antenna Gain: -1.6dBi)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.96	20.21	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.80	20.05	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.00	20.25	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.98	19.23	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.05	19.30	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.03	19.28	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.03	19.28	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.05	18.30	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	22.18	18.43	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	22.10	18.35	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.15	18.40	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	21.11	17.36	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.82	20.07	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.90	20.15	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.82	20.07	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.05	19.30	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.00	19.25	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.14	19.39	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.01	19.26	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.19	18.44	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.08	18.33	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.08	18.33	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.07	18.32	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	21.01	17.26	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.87	20.12	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.86	20.11	38.45	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20643	1RB#5	23.97	20.22	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.99	19.24	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.10	19.35	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.12	19.37	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.05	19.30	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.21	18.46	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.19	18.44	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	22.04	18.29	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	22.05	18.30	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	21.11	17.36	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.86	20.11	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#7	24.00	20.25	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.03	20.28	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.98	19.23	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.08	19.33	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#7	23.12	19.37	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.93	19.18	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.12	18.37	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.13	18.38	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#7	22.06	18.31	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	22.05	18.30	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	21.12	17.37	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.94	20.19	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#7	23.95	20.20	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.98	20.23	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.94	19.19	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.08	19.33	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#7	23.00	19.25	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.07	19.32	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.10	18.35	38.45	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	3MHz	64QAM	20525	1RB#0	22.07	18.32	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#7	22.11	18.36	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	22.14	18.39	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	21.11	17.36	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.94	20.19	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#7	23.79	20.04	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.88	20.13	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.90	19.15	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.03	19.28	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#7	23.07	19.32	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.01	19.26	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.00	18.25	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.05	18.30	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#7	22.15	18.40	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	22.12	18.37	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	21.23	17.48	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.95	20.20	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#13	23.91	20.16	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.99	20.24	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.97	19.22	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.10	19.35	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#13	23.01	19.26	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.91	19.16	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.15	18.40	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	22.14	18.39	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#13	22.01	18.26	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	22.01	18.26	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	21.20	17.45	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.98	20.23	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#13	23.97	20.22	38.45	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	5MHz	QPSK	20525	1RB#24	23.94	20.19	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.96	19.21	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.08	19.33	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#13	22.99	19.24	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.04	19.29	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.05	18.30	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.13	18.38	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#13	22.14	18.39	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	22.05	18.30	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	21.09	17.34	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.87	20.12	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#13	23.80	20.05	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.90	20.15	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.91	19.16	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.06	19.31	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#13	23.06	19.31	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.00	19.25	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.06	18.31	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	22.06	18.31	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#13	22.11	18.36	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	22.06	18.31	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	21.26	17.51	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.97	20.22	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#25	23.94	20.19	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.98	20.23	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.90	19.15	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.00	19.25	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#25	23.09	19.34	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.96	19.21	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.03	18.28	38.45	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	10MHz	64QAM	20450	1RB#0	22.08	18.33	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#25	22.06	18.31	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.12	18.37	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	21.16	17.41	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.01	20.26	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#25	23.87	20.12	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.90	20.15	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.97	19.22	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.04	19.29	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#25	22.97	19.22	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.01	19.26	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.03	18.28	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.12	18.37	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#25	22.17	18.42	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	22.12	18.37	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	21.17	17.42	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.88	20.13	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#25	23.85	20.10	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.96	20.21	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.92	19.17	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.96	19.21	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#25	22.98	19.23	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.03	19.28	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.00	18.25	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	22.02	18.27	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#25	22.06	18.31	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	22.14	18.39	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	21.14	17.39	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	5.34	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.52	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.44	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.28	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.38	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.26	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.74	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.76	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.64	13	PASS



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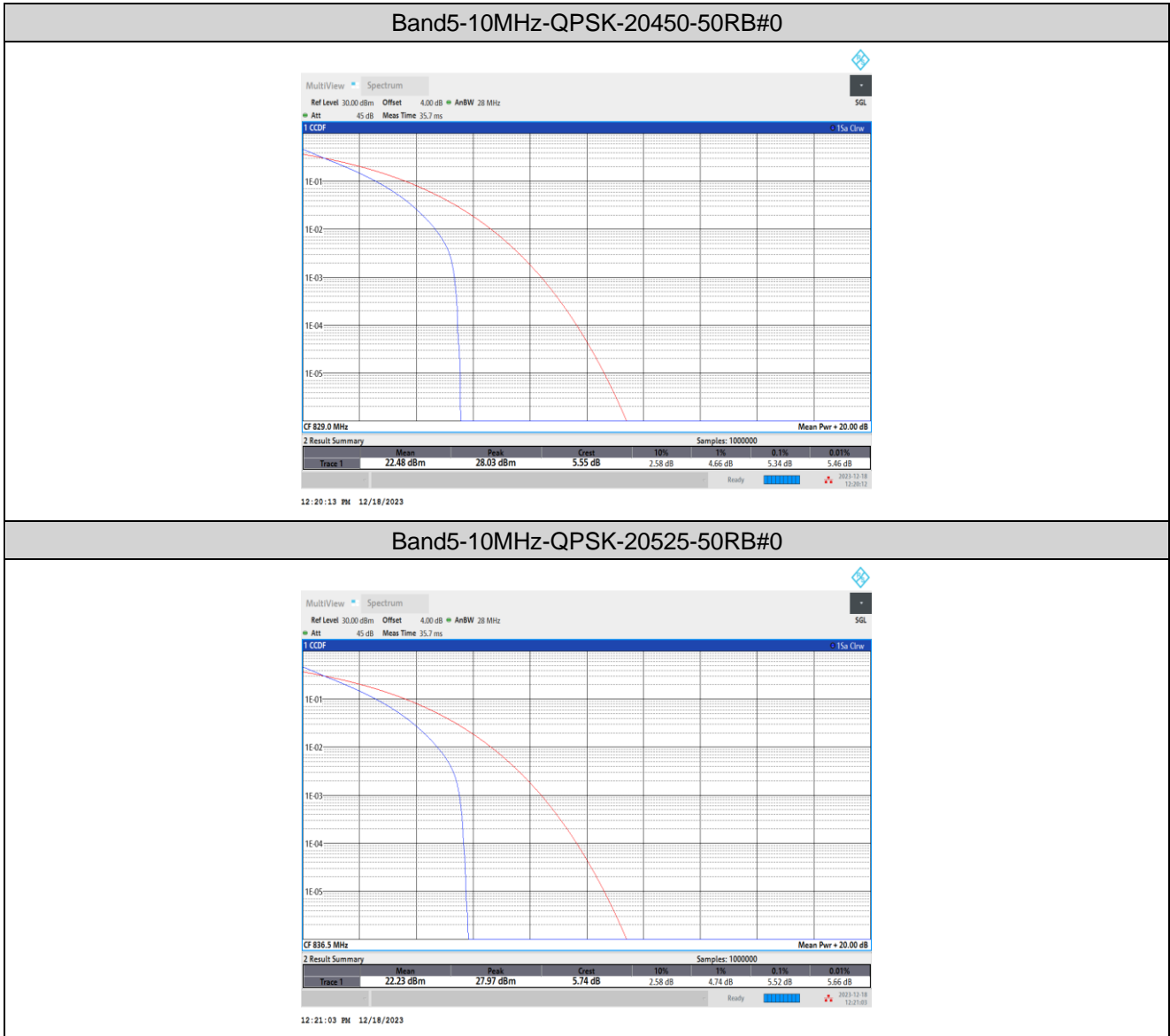
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Test Graphs



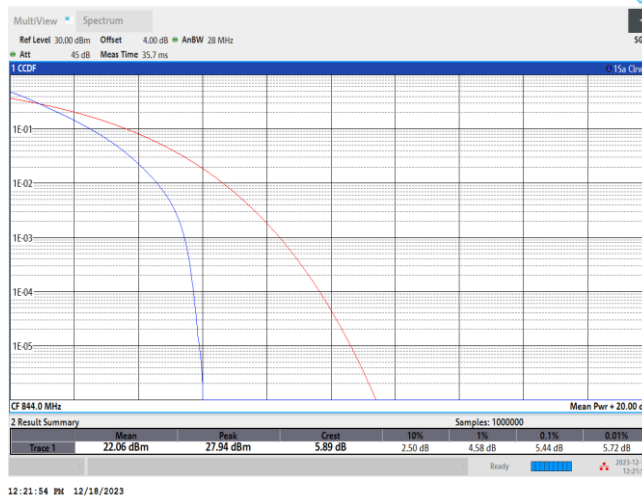
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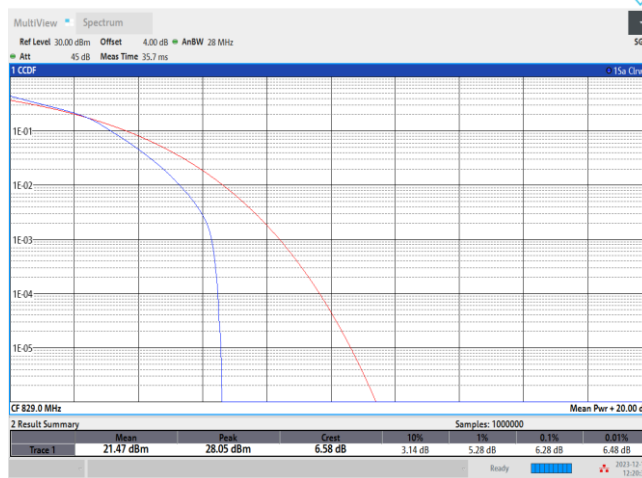


Band5-10MHz-QPSK-20600-50RB#0



12:21:54 PM 12/18/2023

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



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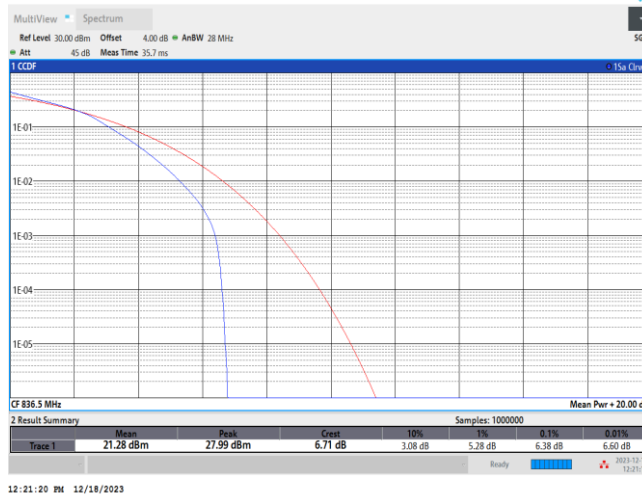


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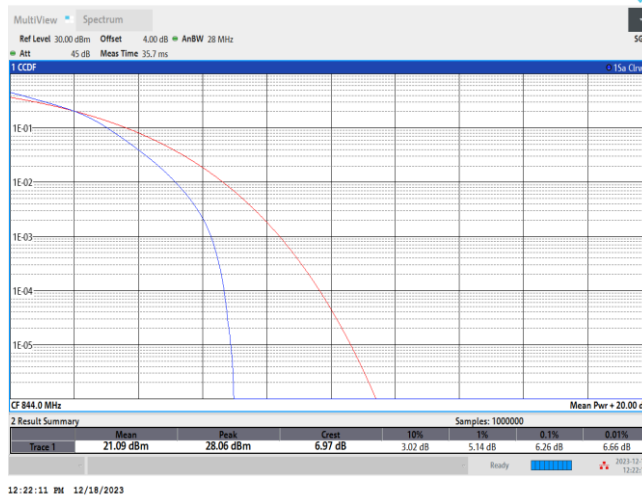
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Band5-10MHz-16QAM-20525-50RB#0



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

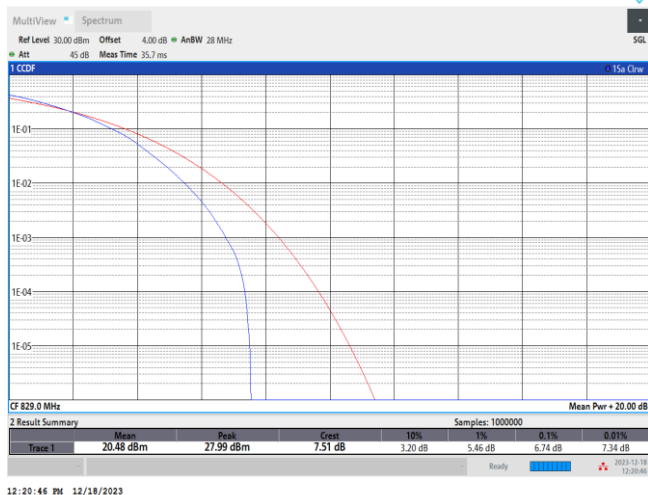


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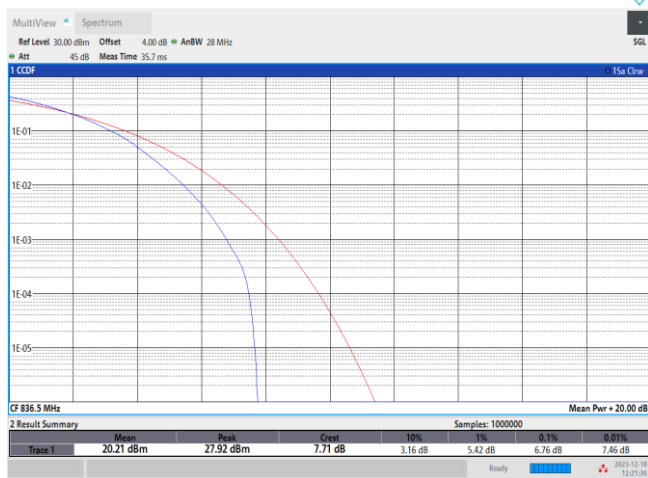
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Band5-10MHz-64QAM-20450-50RB#0



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



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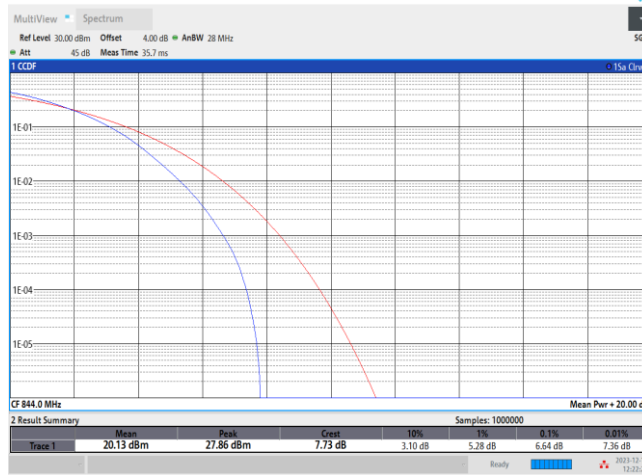


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Band5-10MHz-64QAM-20600-50RB#0



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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	1.11	1.38	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.117	1.40	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.103	1.38	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.698	3.05	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.695	3.04	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.697	3.06	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	5.01	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.474	5.04	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.471	5.00	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.926	9.90	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.943	9.88	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.943	9.80	PASS



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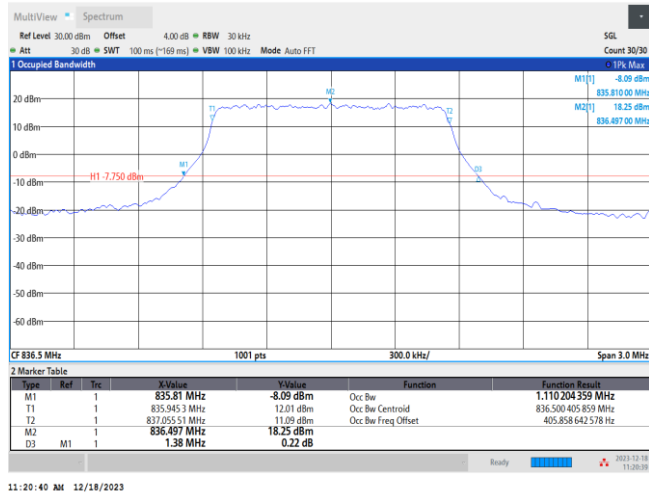
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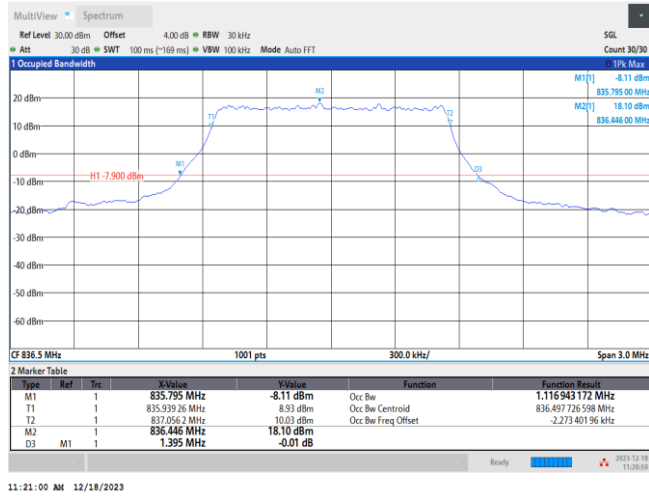
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Test Graphs

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



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

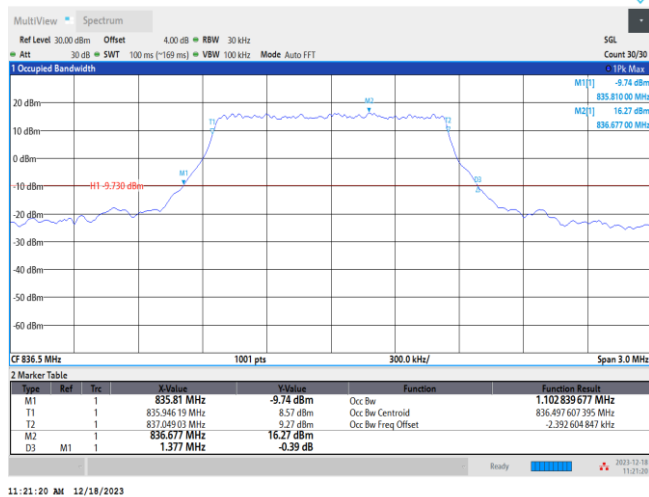


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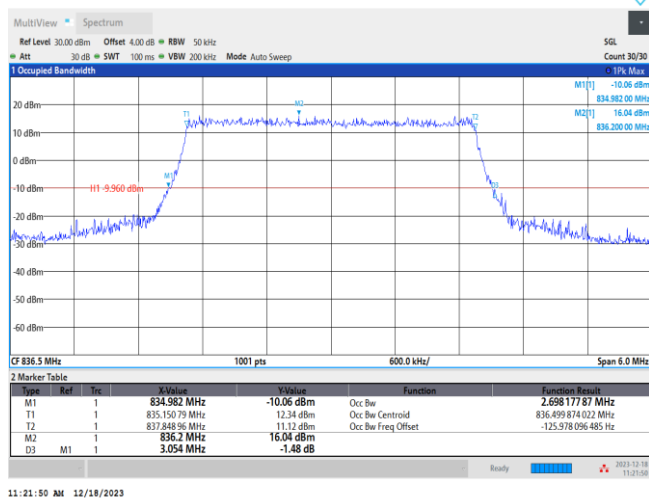
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Band5-3MHz-QPSK-20525-15RB#0



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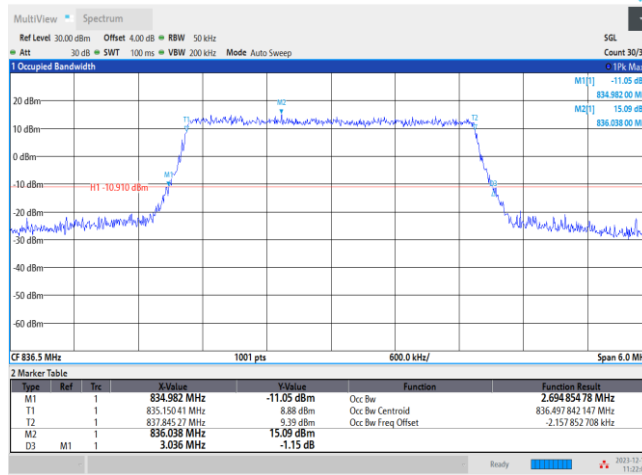


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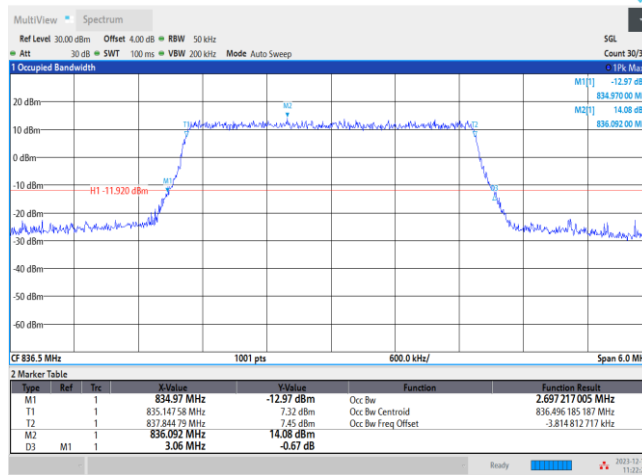
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Band5-3MHz-64QAM-20525-15RB#0



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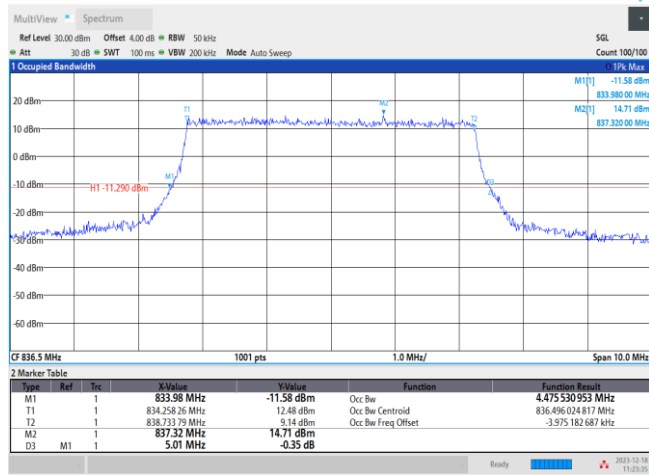
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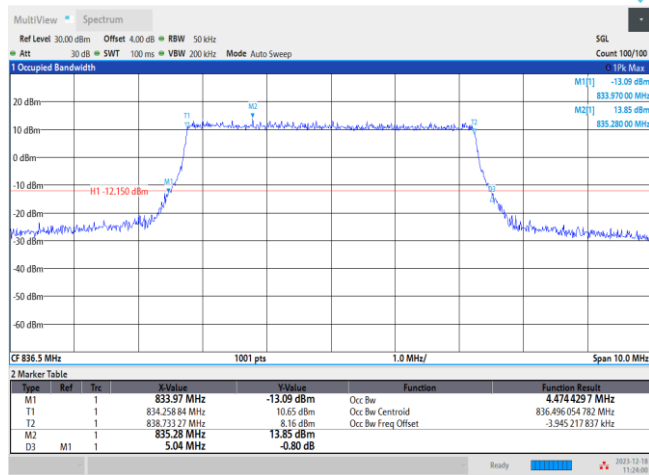


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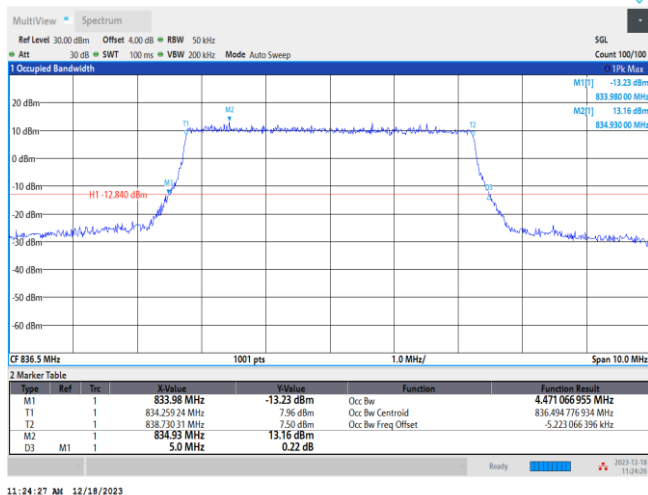


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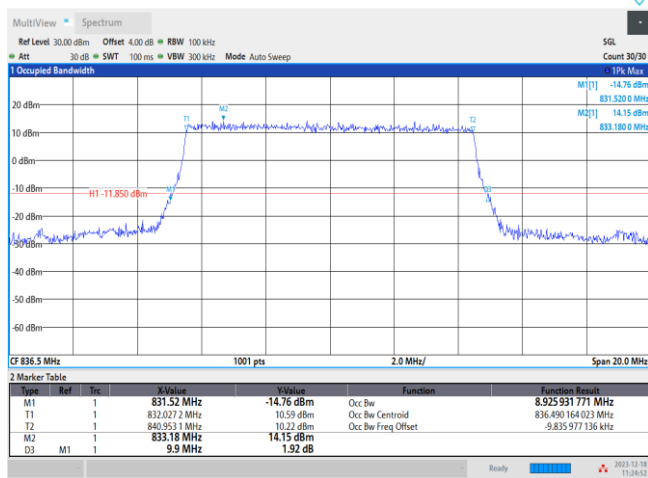
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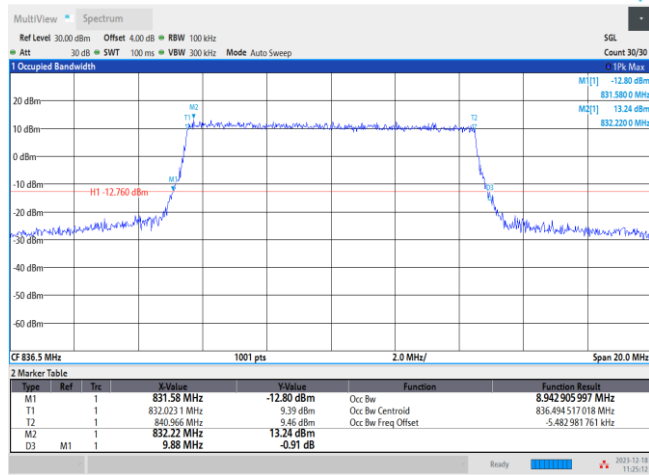


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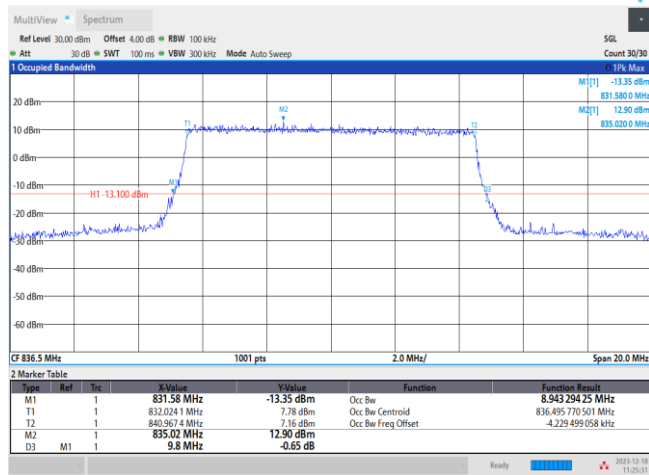
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Band5-10MHz-16QAM-20525-50RB#0



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



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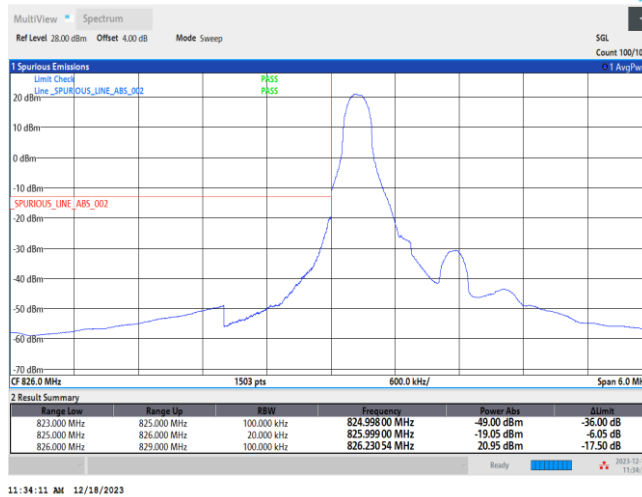
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## Band Edge

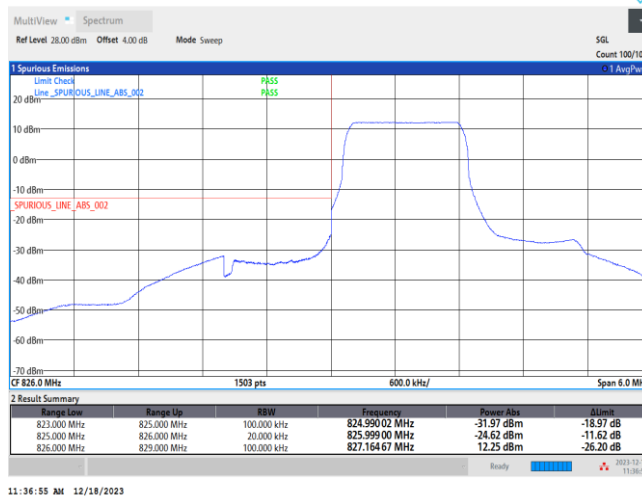
## Test Graphs

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



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



11:36:55 AM 12/18/2023



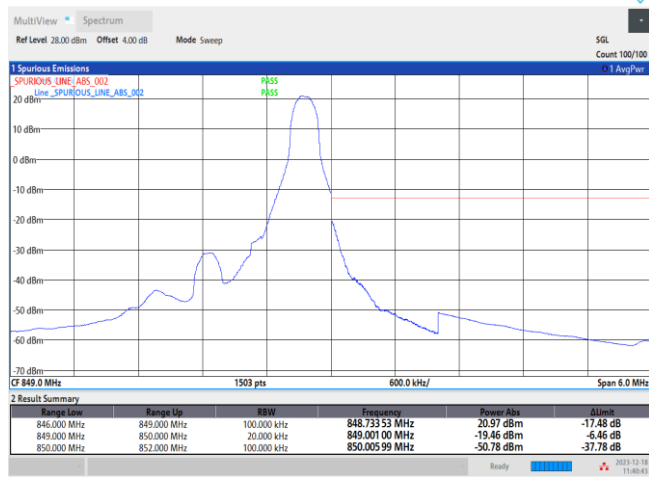
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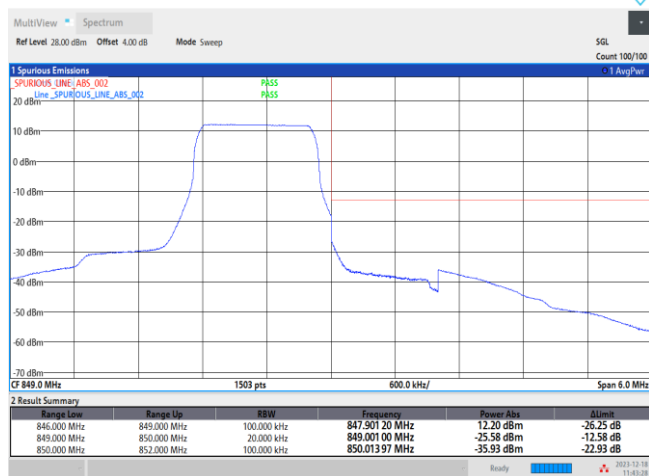


Band5-1.4MHz-QPSK-20643-1RB#5



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



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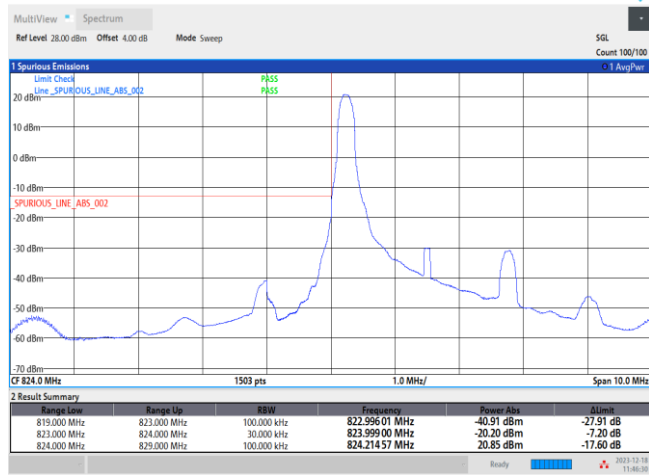


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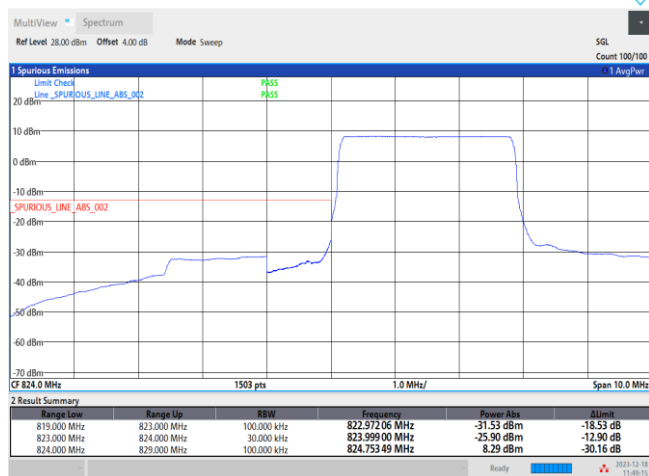
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Band5-3MHz-QPSK-20415-1RB#0



11:46:31 AM 12/18/2023

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



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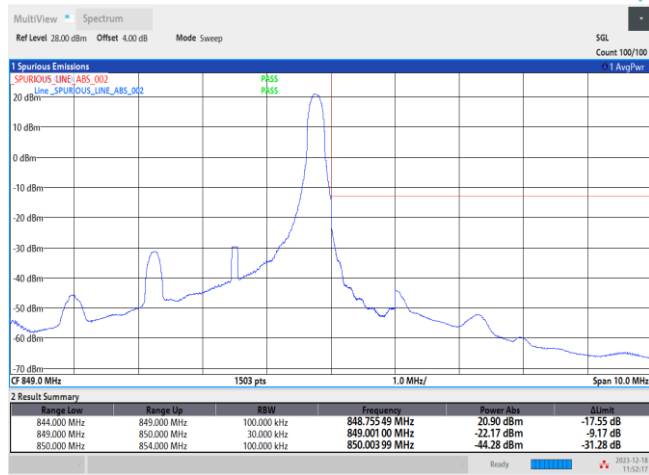


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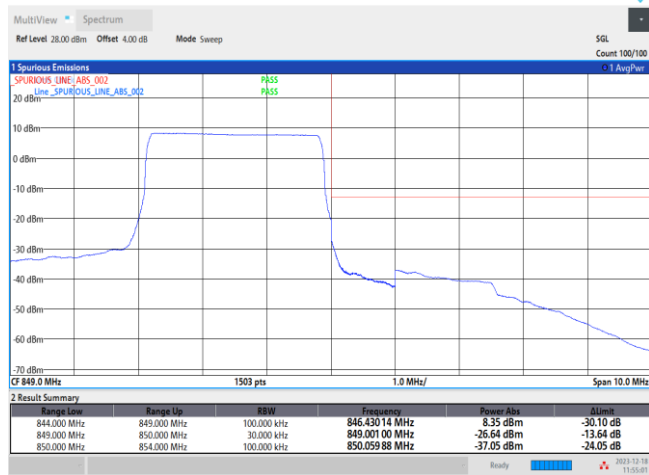
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Band5-3MHz-QPSK-20635-1RB#14



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



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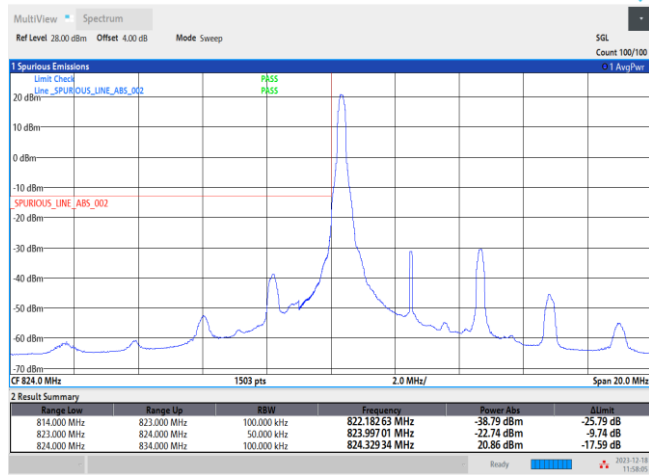


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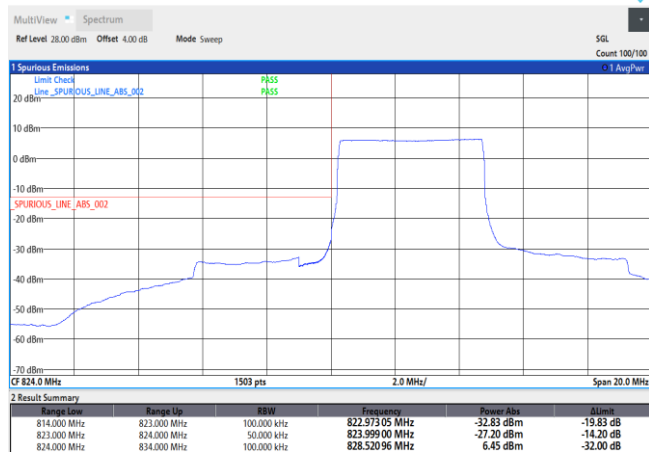
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Band5-5MHz-QPSK-20425-1RB#0



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



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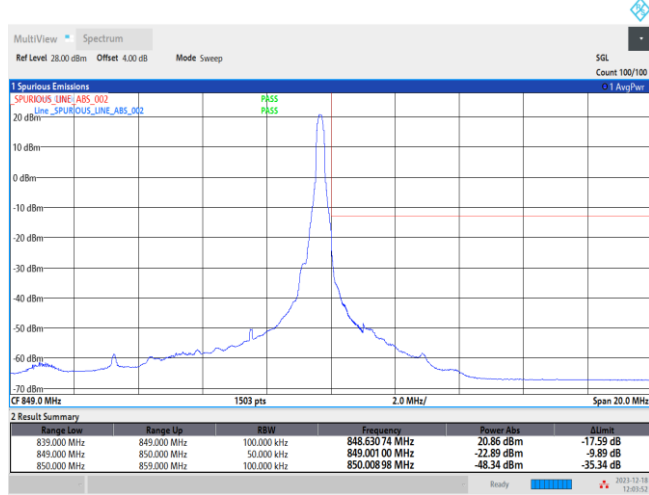


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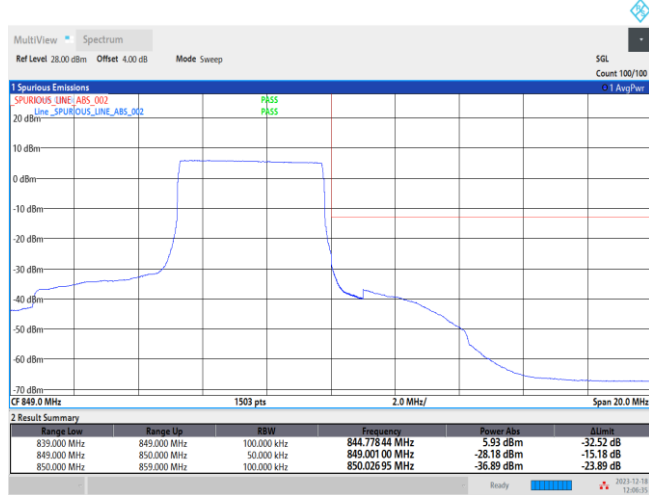
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Band5-5MHz-QPSK-20625-25RB#0



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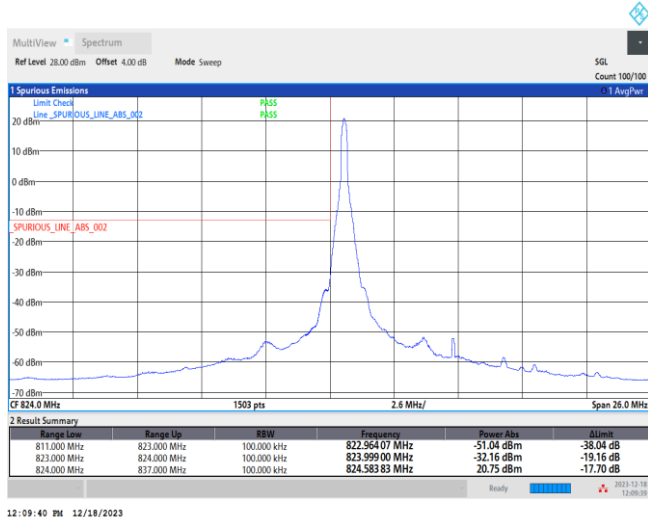
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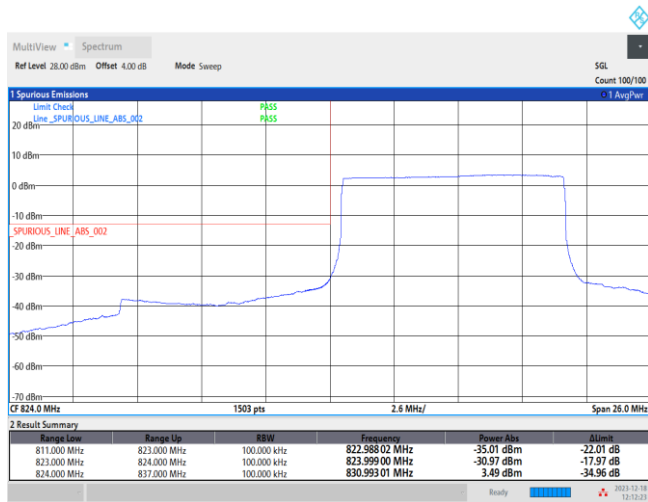


Band5-10MHz-QPSK-20450-1RB#0



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



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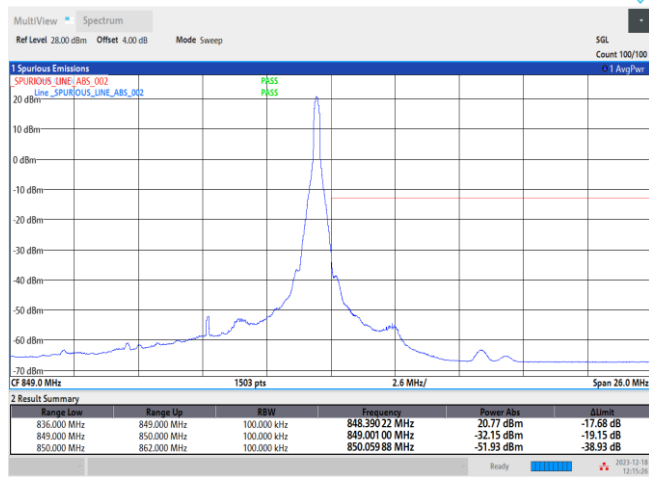


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Band5-10MHz-QPSK-20600-1RB#49



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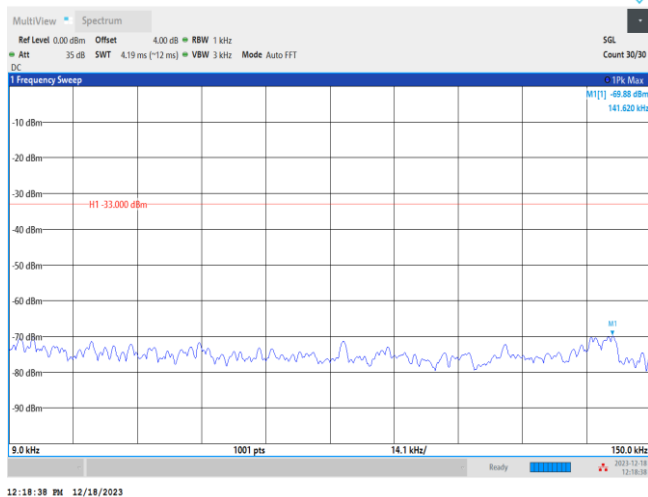
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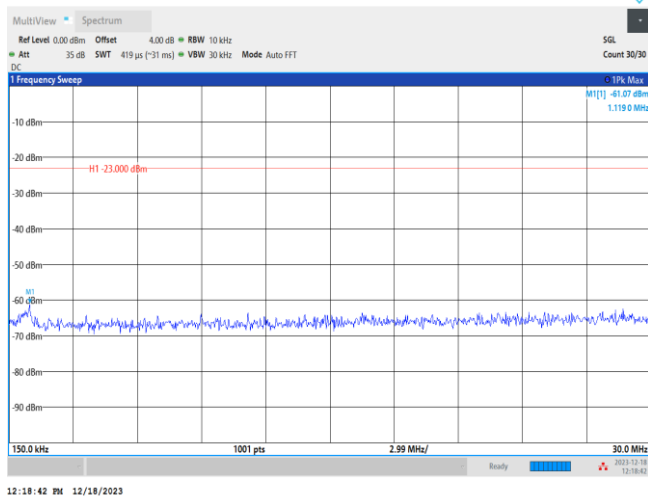
## Conducted Spurious Emission

### Test Graphs

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



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

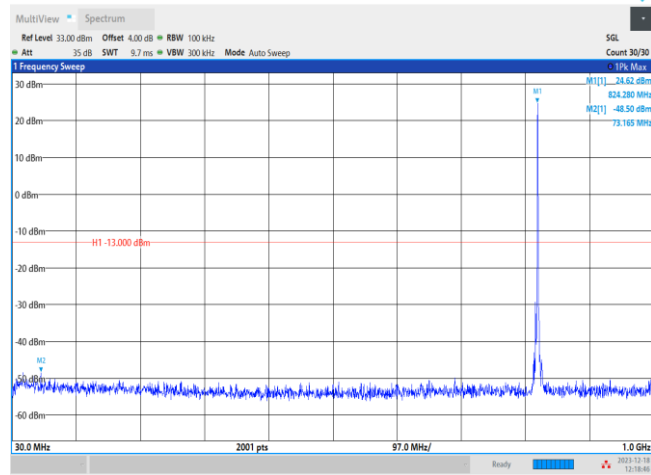


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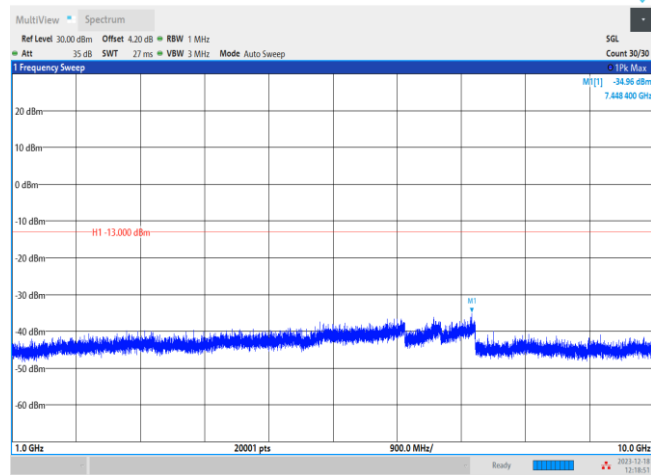
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Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



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



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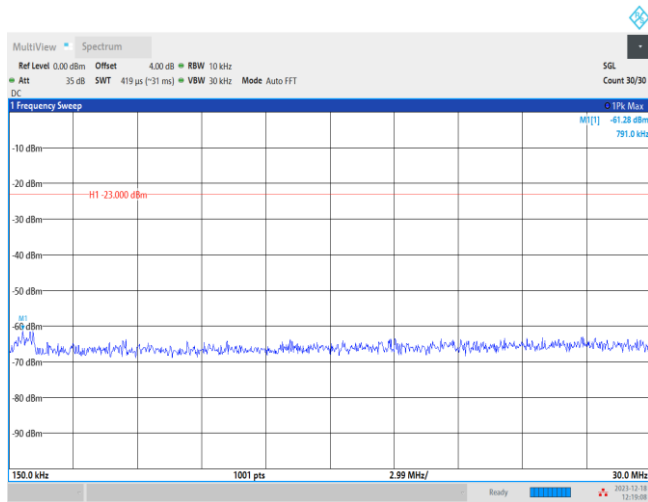
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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



12:19:05 PM 12/18/2023

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



12:19:09 PM 12/18/2023

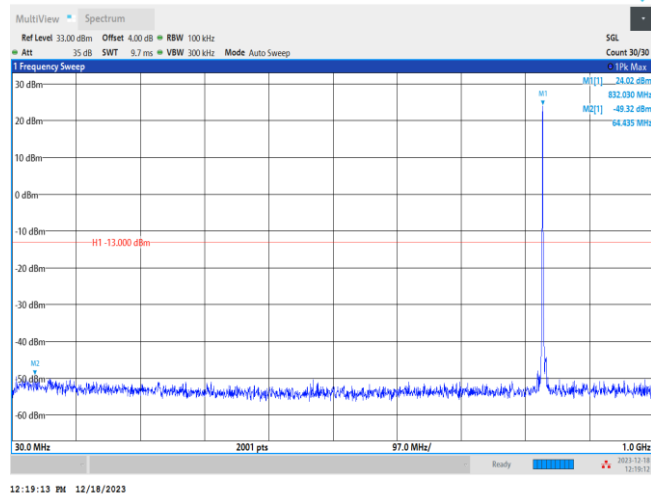


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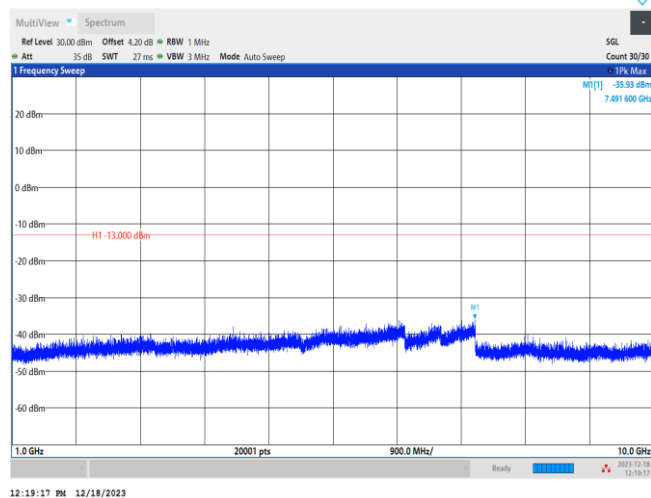
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Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



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

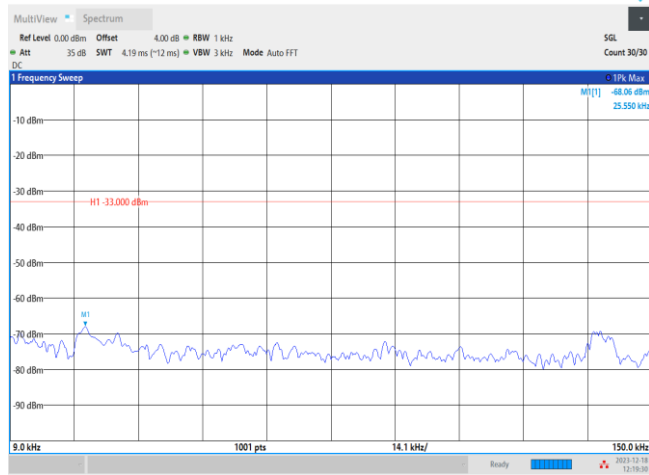


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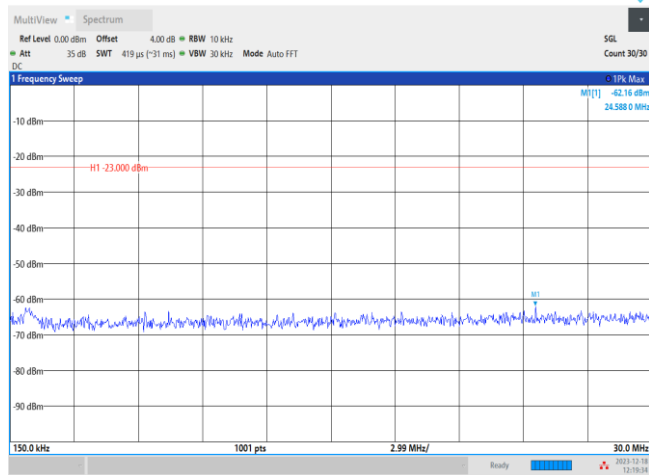
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



12:19:30 PM 12/18/2023

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



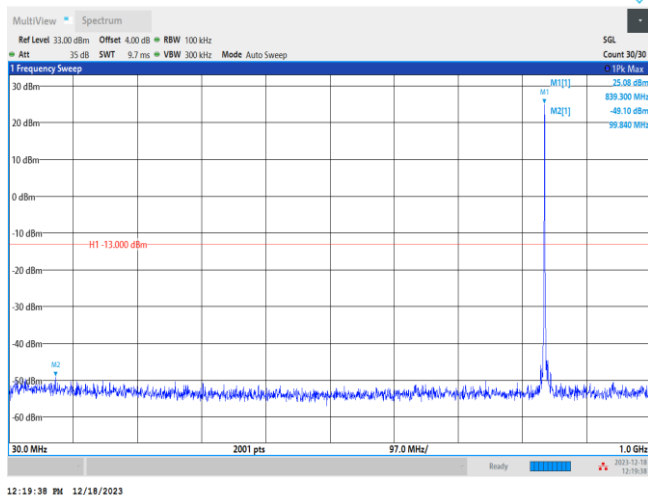
12:19:34 PM 12/18/2023



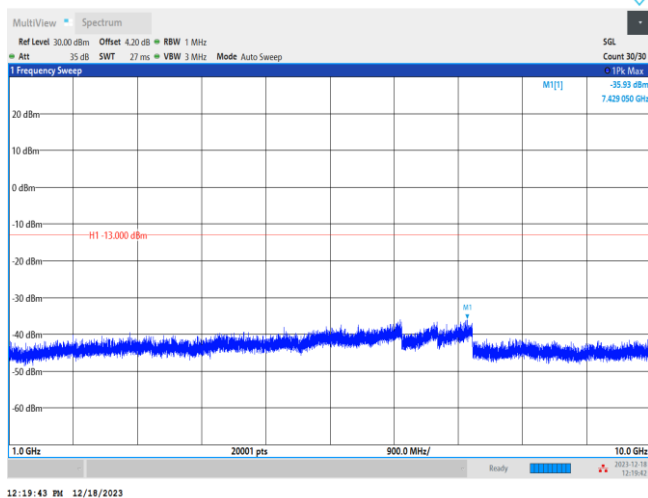
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



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



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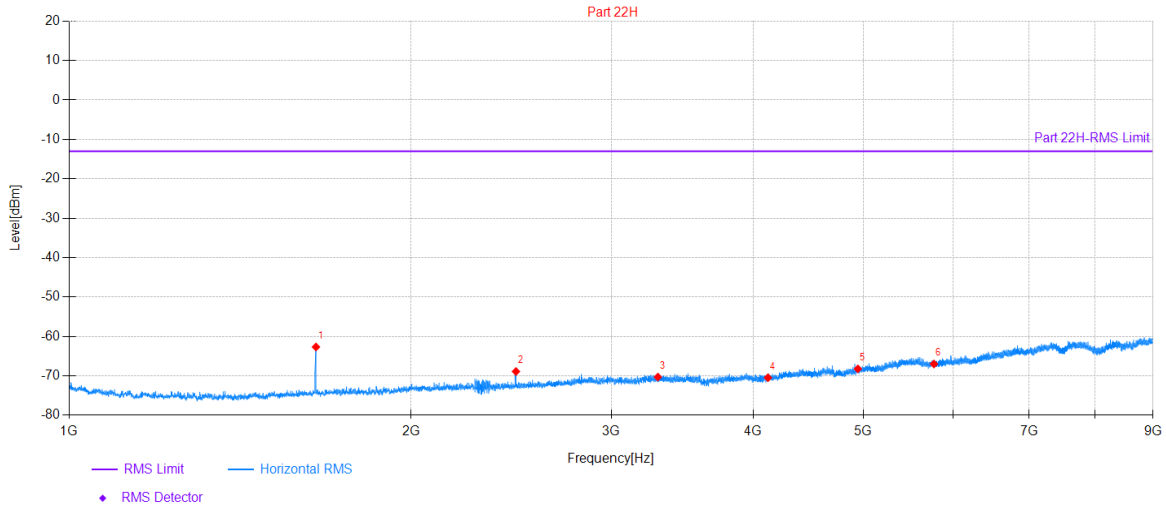
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## Field Strength of Spurious Radiation

Test Band = LTE Band 5\_ TM1

Test Channel = Low Channel



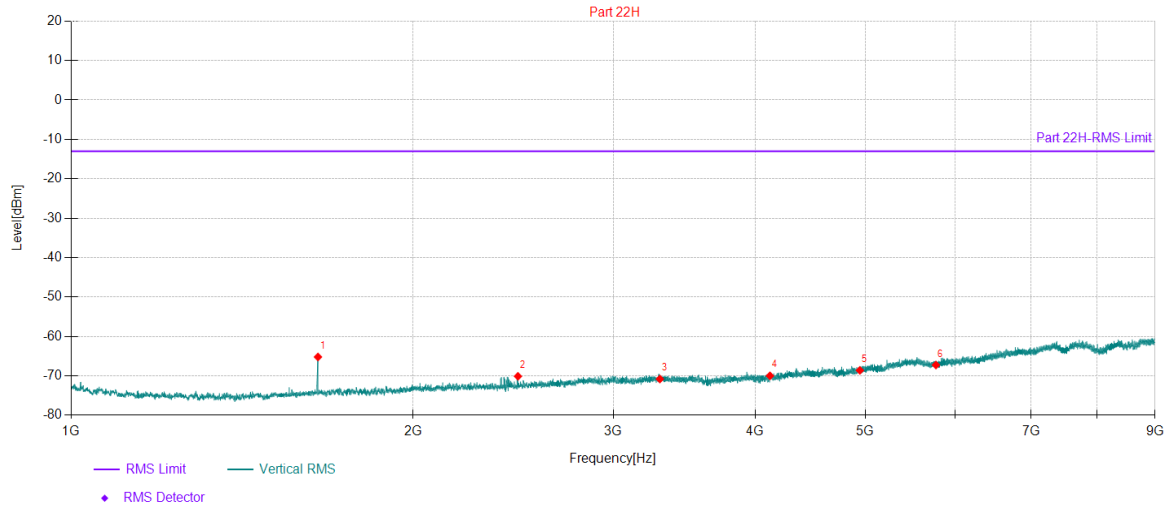
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.18	57.12	-49.83	25.30	-62.67	-13.00	49.67	Horizontal
2	2473.77	48.16	-49.05	27.27	-68.88	-13.00	55.88	Horizontal
3	3298.36	44.98	-48.63	28.62	-70.29	-13.00	57.29	Horizontal
4	4122.95	43.46	-48.28	29.62	-70.46	-13.00	57.46	Horizontal
5	4947.54	43.74	-48.07	31.37	-68.22	-13.00	55.22	Horizontal
6	5772.13	43.17	-47.66	32.75	-66.99	-13.00	53.99	Horizontal



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



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.18	54.59	-49.83	25.30	-65.20	-13.00	52.20	Vertical
2	2473.77	46.93	-49.05	27.27	-70.11	-13.00	57.11	Vertical
3	3298.36	44.47	-48.63	28.62	-70.80	-13.00	57.80	Vertical
4	4122.95	43.94	-48.28	29.62	-69.98	-13.00	56.98	Vertical
5	4947.54	43.36	-48.07	31.37	-68.60	-13.00	55.60	Vertical
6	5772.13	42.91	-47.66	32.75	-67.25	-13.00	54.25	Vertical



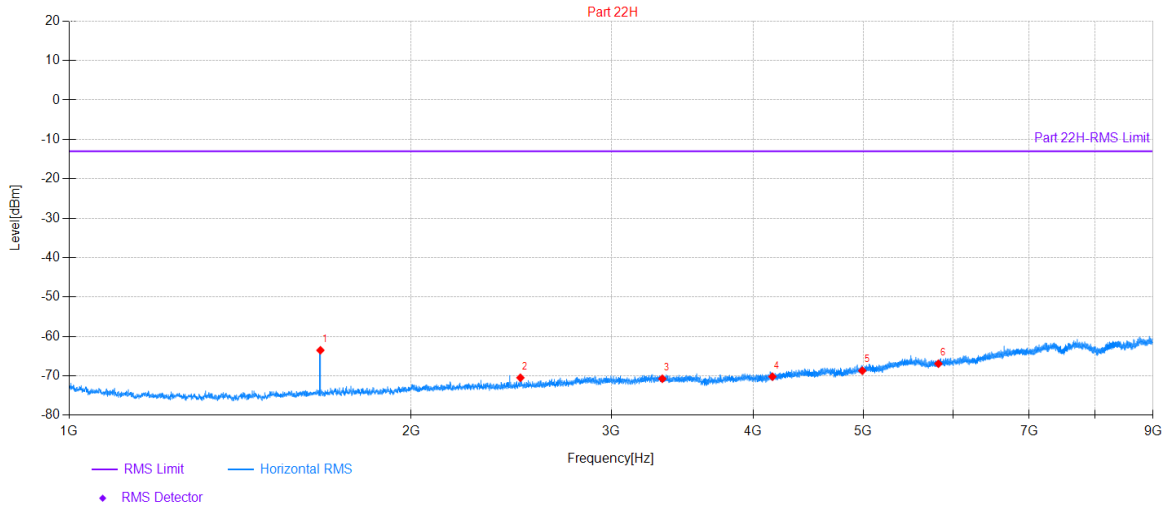
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**Test Band = LTE Band 5\_ TM1**  
**Test Channel = Mid Channel**



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.18	56.19	-49.79	25.36	-63.51	-13.00	50.51	Horizontal
2	2496.27	46.40	-48.92	27.30	-70.48	-13.00	57.48	Horizontal
3	3328.36	44.55	-48.65	28.63	-70.73	-13.00	57.73	Horizontal
4	4160.45	43.69	-48.32	29.69	-70.20	-13.00	57.20	Horizontal
5	4992.54	43.06	-47.97	31.48	-68.69	-13.00	55.69	Horizontal
6	5824.63	43.13	-47.55	32.76	-66.91	-13.00	53.91	Horizontal

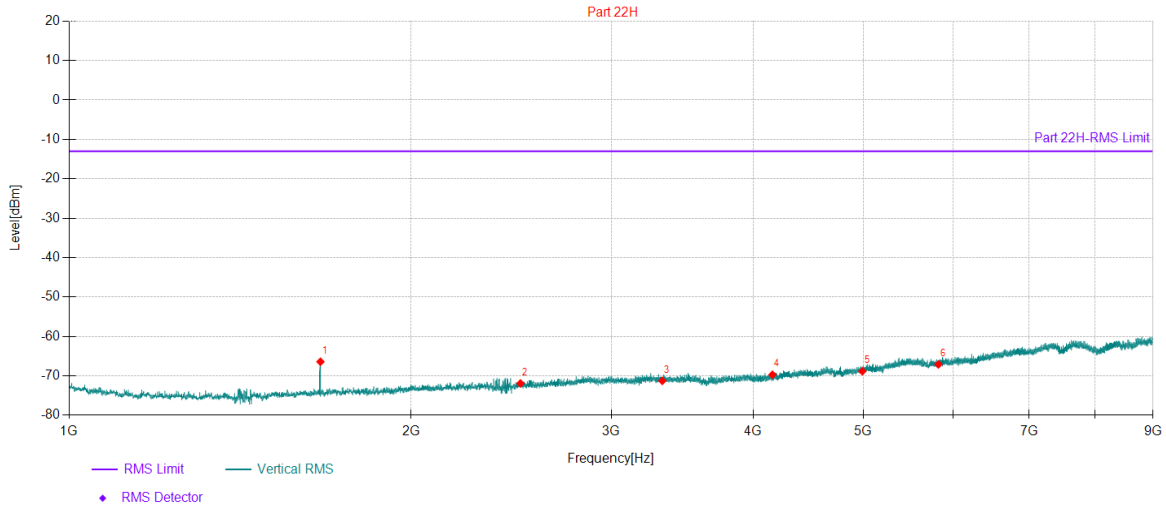


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Test Band = LTE Band 5\_ TM1  
 Test Channel = Mid Channel



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.18	53.28	-49.79	25.36	-66.42	-13.00	53.42	Vertical
2	2496.27	44.96	-48.92	27.30	-71.92	-13.00	58.92	Vertical
3	3328.36	44.02	-48.65	28.63	-71.26	-13.00	58.26	Vertical
4	4160.45	44.18	-48.32	29.69	-69.71	-13.00	56.71	Vertical
5	4992.54	42.92	-47.97	31.48	-68.83	-13.00	55.83	Vertical
6	5824.63	42.95	-47.55	32.76	-67.09	-13.00	54.09	Vertical

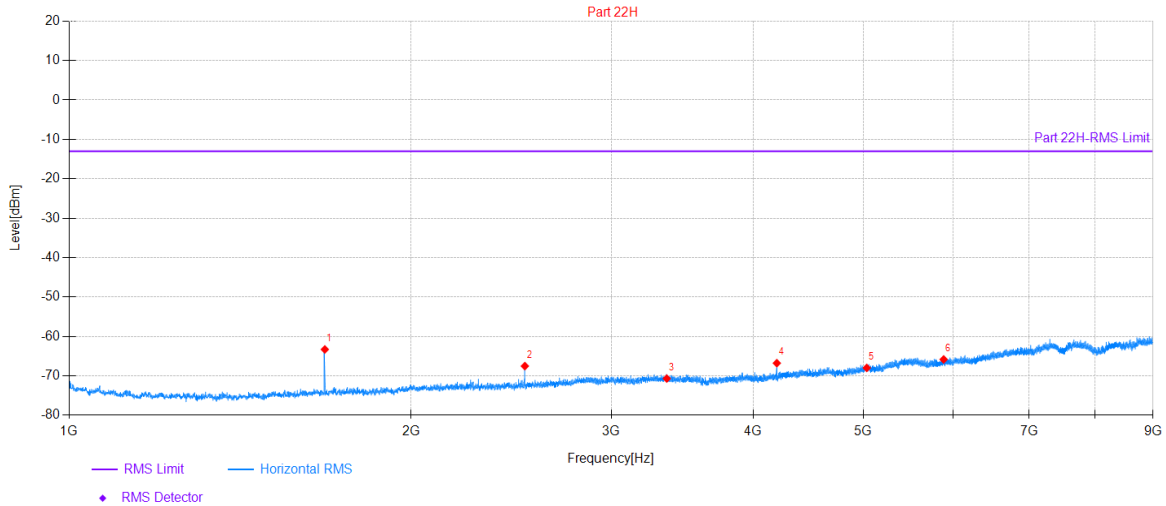


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**Test Band = LTE Band 5\_ TM1**  
**Test Channel = High Channel**



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.18	56.31	-49.76	25.42	-63.29	-13.00	50.29	Horizontal
2	2518.77	49.35	-48.95	27.35	-67.52	-13.00	54.52	Horizontal
3	3358.36	44.60	-48.67	28.64	-70.68	-13.00	57.68	Horizontal
4	4197.95	47.09	-48.36	29.76	-66.77	-13.00	53.77	Horizontal
5	5037.54	43.63	-47.94	31.59	-67.98	-13.00	54.98	Horizontal
6	5887.13	43.76	-47.11	32.78	-65.83	-13.00	52.83	Horizontal

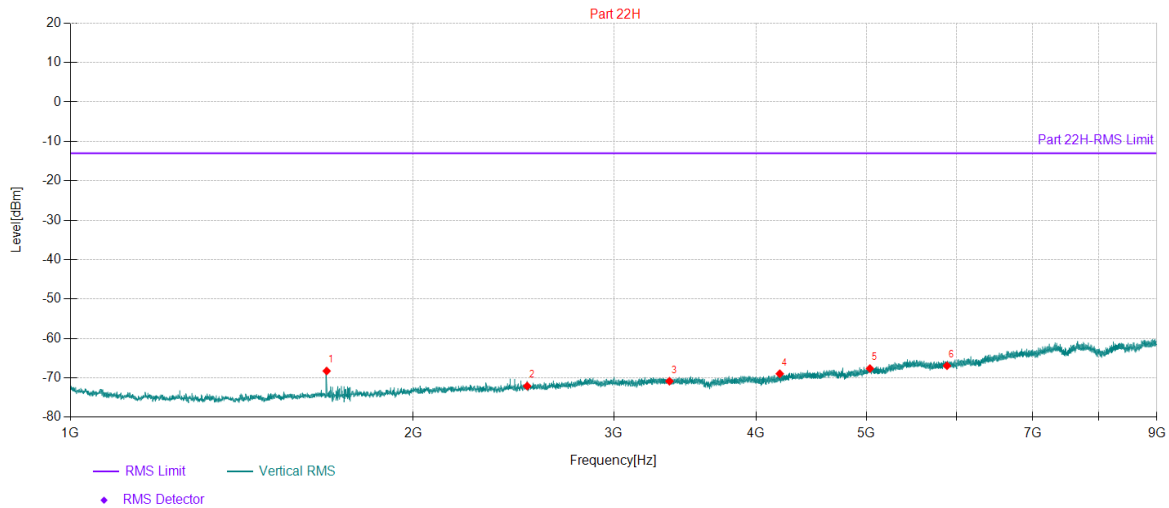


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**Test Band = LTE Band 5\_ TM1**  
**Test Channel = High Channel**



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.18	51.35	-49.76	25.42	-68.25	-13.00	55.25	Vertical
2	2518.77	44.79	-48.95	27.35	-72.08	-13.00	59.08	Vertical
3	3358.36	44.43	-48.67	28.64	-70.85	-13.00	57.85	Vertical
4	4197.95	44.91	-48.36	29.76	-68.95	-13.00	55.95	Vertical
5	5037.54	43.98	-47.94	31.59	-67.63	-13.00	54.63	Vertical
6	5887.13	42.66	-47.11	32.78	-66.93	-13.00	53.93	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	0.30	0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-0.50	-0.000598	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-1.40	-0.001674	±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	-0.20	-0.000239	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	0.20	0.000239	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-1.50	-0.001793	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-0.40	-0.000478	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	0.90	0.001076	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	1.10	0.001315	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	0.50	0.000598	±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	0.00	0.000000	±2.5	PASS

---End of Attachment---



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