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# Appendix B.3

## 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	22.41	17.56	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.48	17.63	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.51	17.66	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.68	16.83	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.44	17.59	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.44	17.59	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.43	17.58	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.64	16.79	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.32	17.47	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.34	17.49	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.25	17.4	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.48	16.63	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.75	16.9	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.86	17.01	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.88	17.03	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.79	15.94	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.65	16.8	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.79	16.94	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.77	16.92	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.74	15.89	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.56	16.71	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.71	16.86	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.5	16.65	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.62	15.77	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	20.63	15.78	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	20.83	15.98	38.45	PASS

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Band5	1.4MHz	64QAM	20407	1RB#5	20.89	16.04	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	19.71	14.86	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	20.74	15.89	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	20.69	15.84	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	20.71	15.86	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	19.67	14.82	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	20.69	15.84	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	20.7	15.85	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	20.54	15.69	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	19.49	14.64	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.22	17.37	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.59	17.74	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.65	17.8	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.65	16.8	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.35	17.5	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.35	17.5	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.24	17.39	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.49	16.64	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.38	17.53	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.23	17.38	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.02	17.17	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.43	16.58	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.54	16.69	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.96	17.11	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.96	17.11	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.67	15.82	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.61	16.76	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.66	16.81	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.63	16.78	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.51	15.66	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.61	16.76	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.57	16.72	38.45	PASS

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Band5	3MHz	16QAM	20635	1RB#14	21.25	16.4	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.44	15.59	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	20.52	15.67	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	20.87	16.02	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	20.92	16.07	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	19.67	14.82	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	20.6	15.75	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	20.58	15.73	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	20.58	15.73	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	19.52	14.67	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	20.72	15.87	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	20.63	15.78	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	20.3	15.45	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	19.47	14.62	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.5	17.65	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.96	18.11	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.4	17.55	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.54	16.69	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.14	17.29	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.06	17.21	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.01	17.16	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.02	16.17	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.13	17.28	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.1	17.25	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	21.75	16.9	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	21	16.15	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.74	16.89	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.19	17.34	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.95	17.1	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.72	15.87	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.48	16.63	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.36	16.51	38.45	PASS

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Band5	5MHz	16QAM	20525	25RB#0	20.04	15.19	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.41	16.56	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.33	16.48	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.07	16.22	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.02	15.17	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	20.75	15.9	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.18	16.33	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	20.9	16.05	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	19.74	14.89	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	20.36	15.51	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	20.26	15.41	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	20.23	15.38	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	18.96	14.11	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	20.39	15.54	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	20.38	15.53	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	19.87	15.02	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	19.05	14.2	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.06	17.21	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.49	17.64	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.28	17.43	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.42	16.57	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.44	17.59	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.07	17.22	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.27	17.42	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.27	16.42	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.2	17.35	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.45	17.6	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	21.95	17.1	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.26	16.41	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.21	16.36	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.93	17.08	38.45	PASS

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Band5	10MHz	16QAM	20450	50RB#0	20.44	15.59	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.06	17.21	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.42	16.57	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.57	16.72	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.26	15.41	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.51	16.66	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.66	16.81	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.32	16.47	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.32	15.47	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	20.07	15.22	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	20.86	16.01	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	20.47	15.62	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	19.45	14.6	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	20.77	15.92	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	20.26	15.41	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	20.46	15.61	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	19.28	14.43	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	20.36	15.51	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	20.66	15.81	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	20.29	15.44	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	19.25	14.4	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	5.92	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.82	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.36	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.58	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.44	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.16	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.62	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.62	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.42	13	PASS



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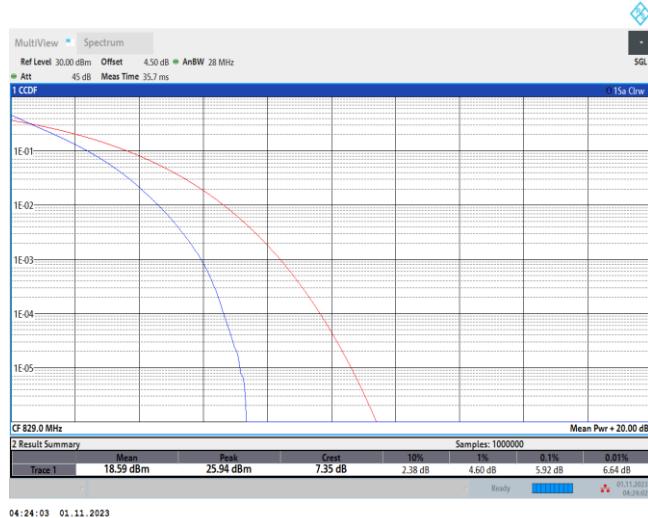
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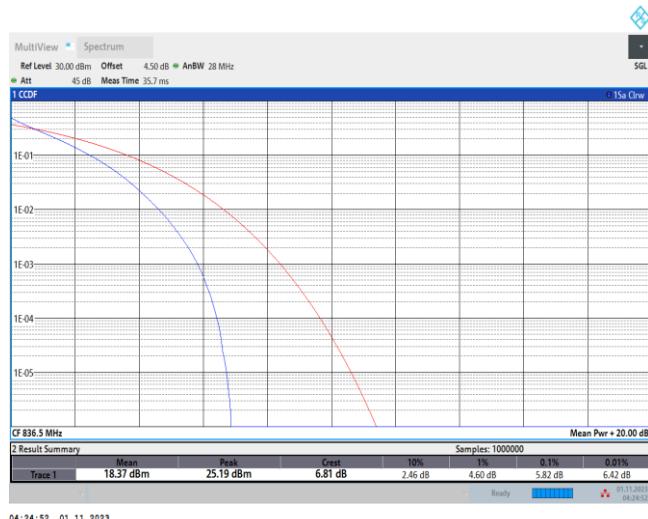
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## Test Graphs

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



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



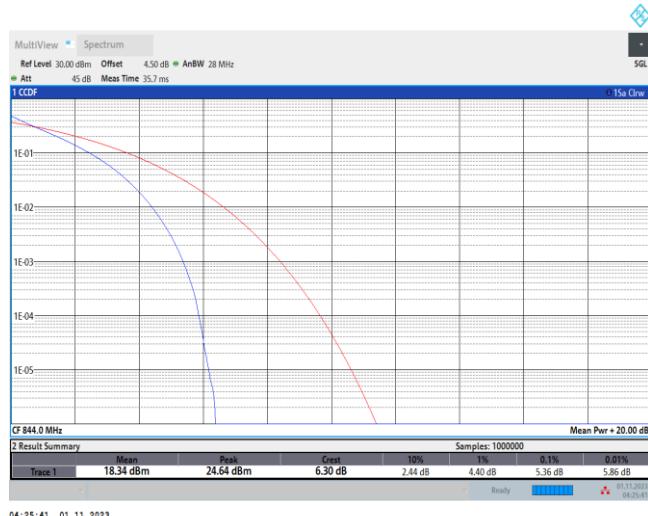
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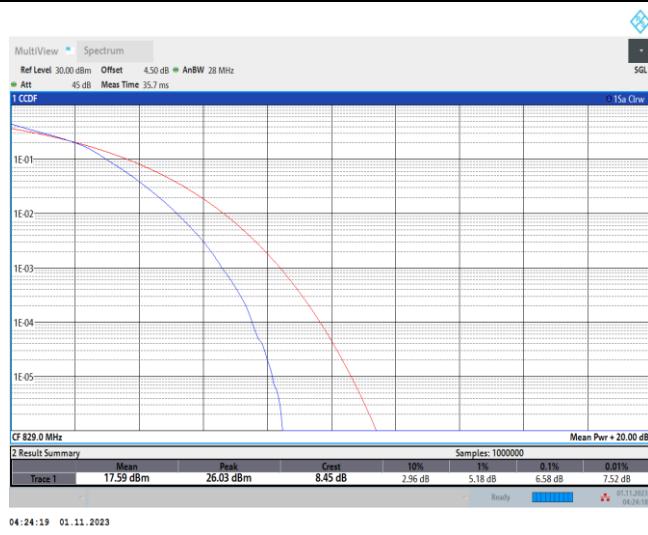


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### Band5-10MHz-QPSK-20600-50RB#0



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



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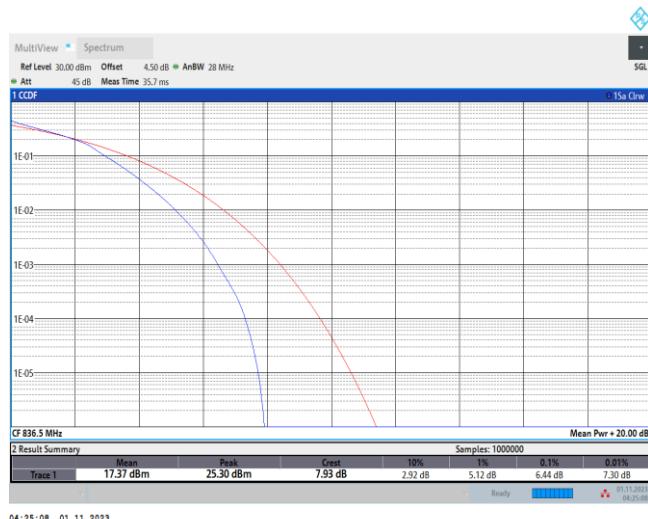
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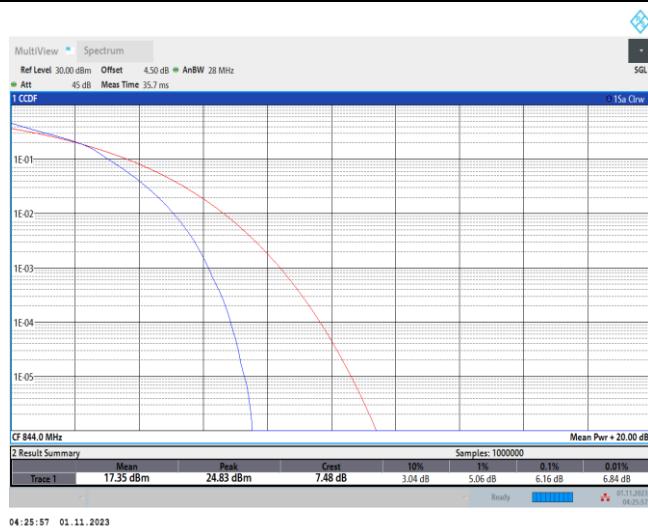
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## Band5-10MHz-16QAM-20525-50RB#0



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



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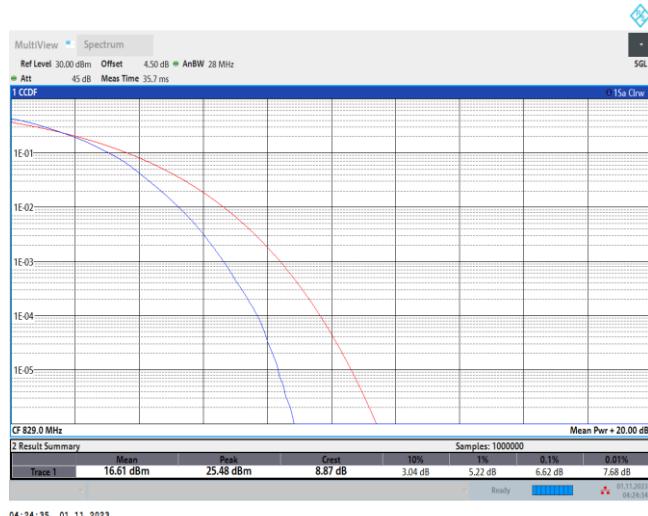
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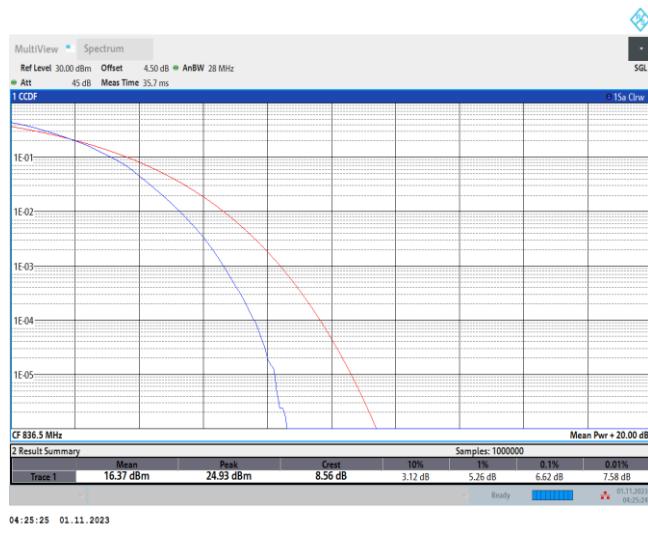
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## Band5-10MHz-64QAM-20450-50RB#0



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



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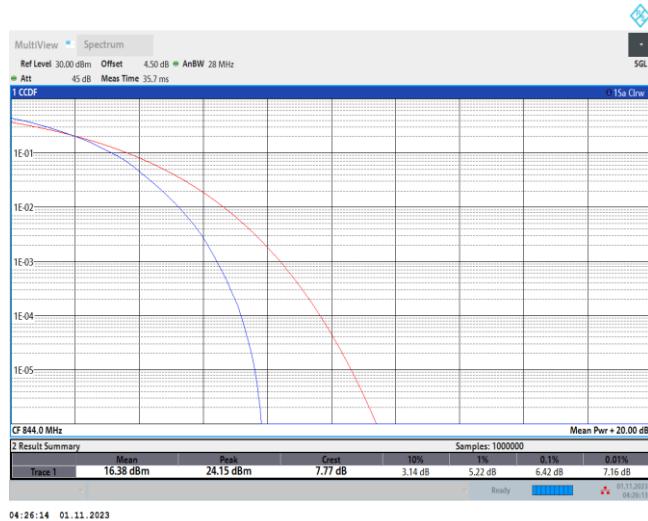
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**Band5-10MHz-64QAM-20600-50RB#0**

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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	1.086	1.27	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.097	1.29	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.098	1.29	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.683	2.96	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.677	2.96	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.678	2.95	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.469	4.82	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.463	4.84	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.479	4.83	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.938	9.64	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.92	9.56	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.927	9.62	PASS



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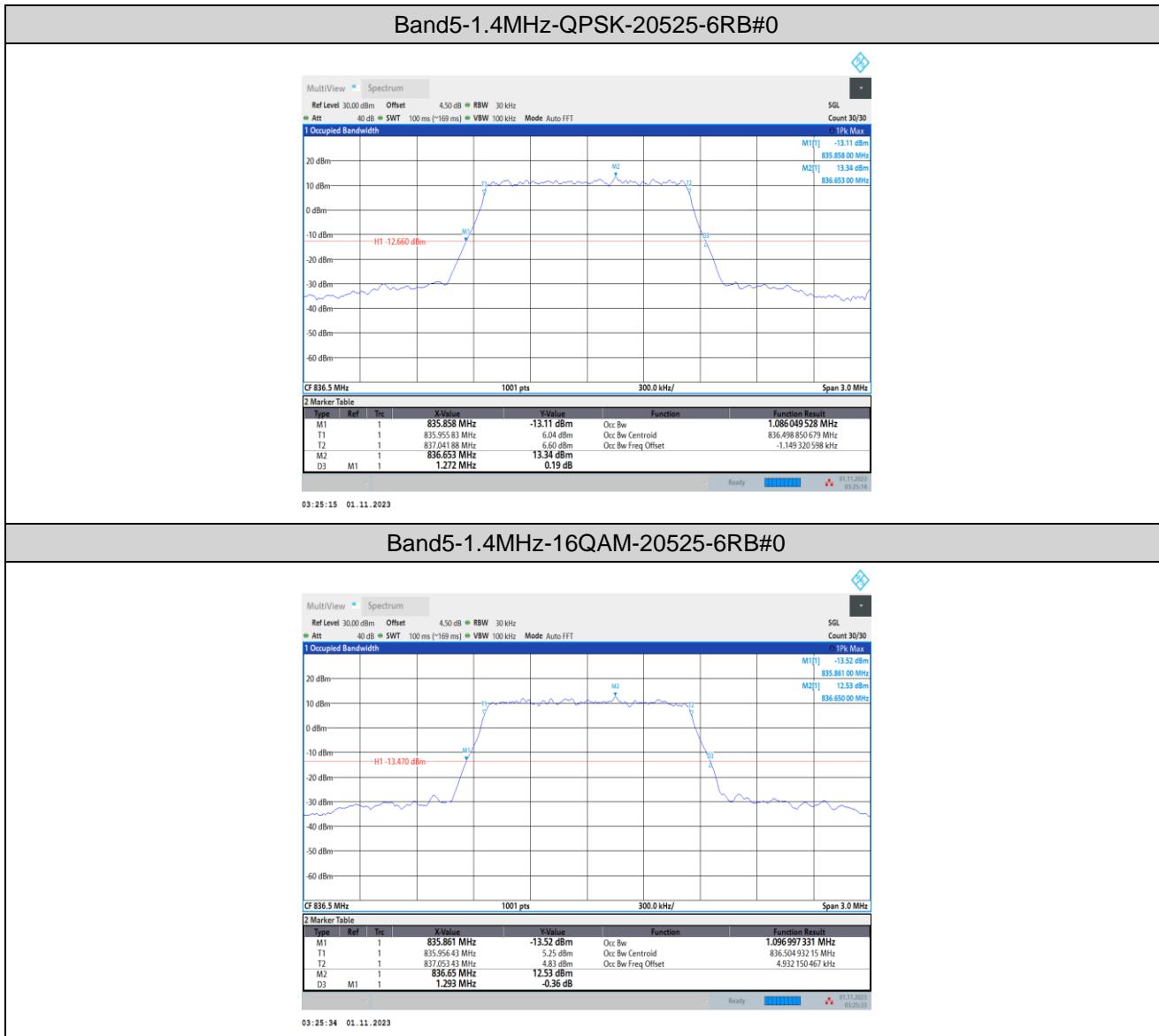
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## Test Graphs

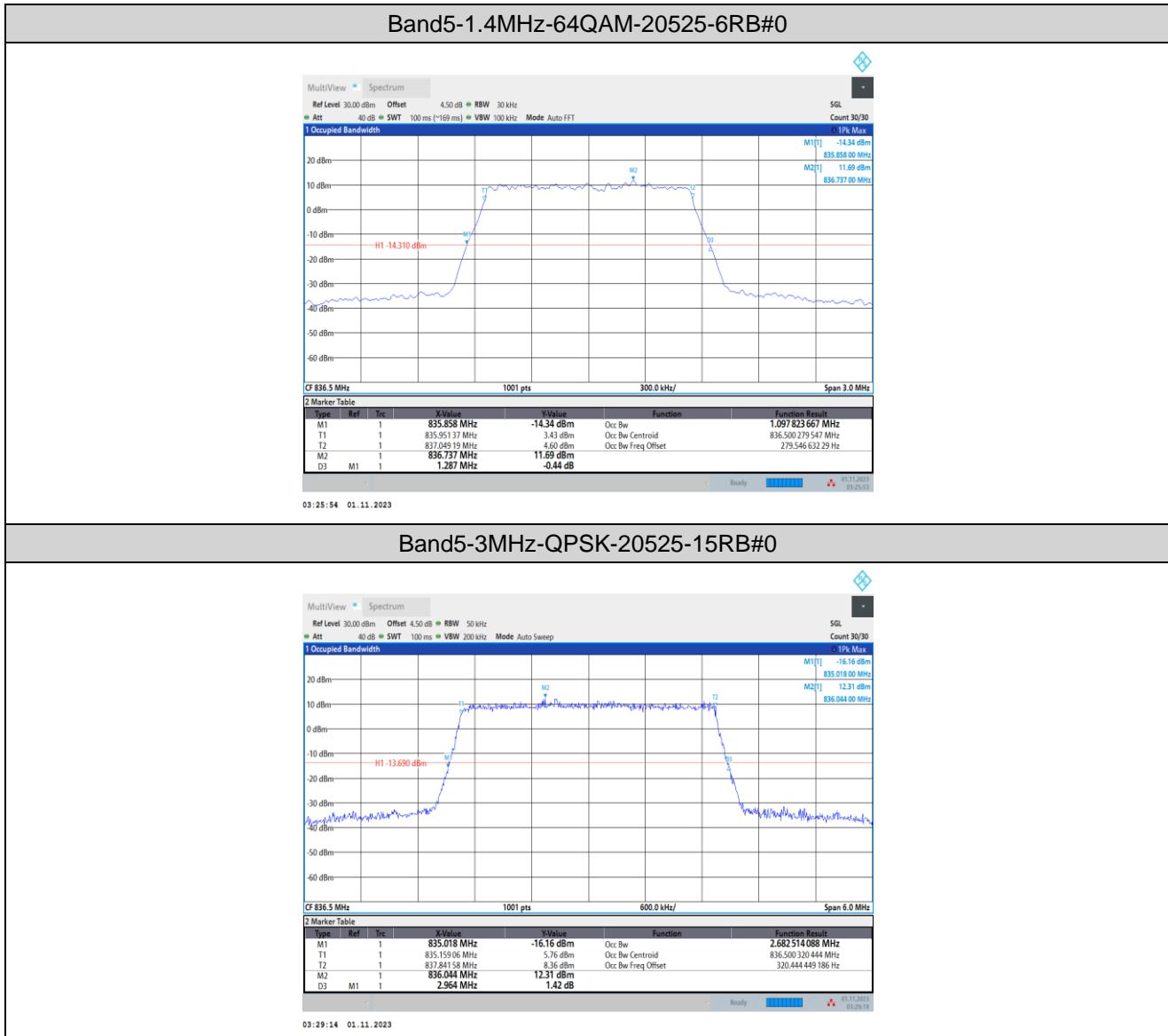


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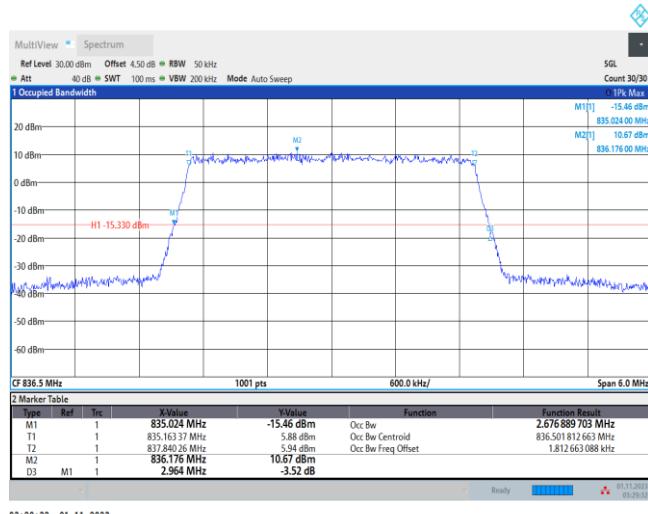
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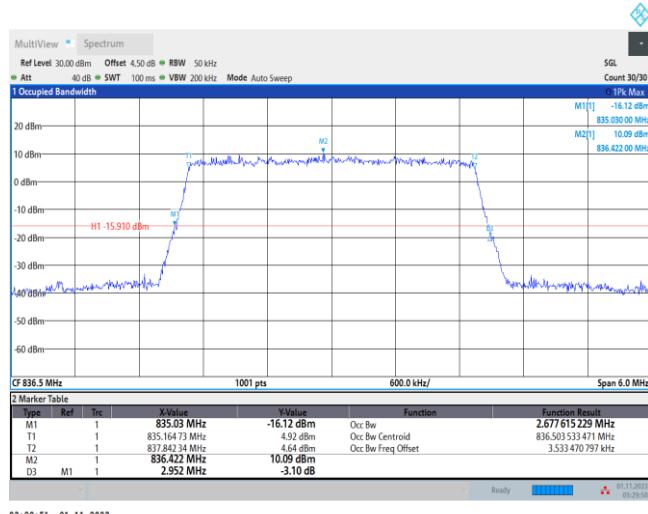
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## Band5-3MHz-16QAM-20525-15RB#0



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



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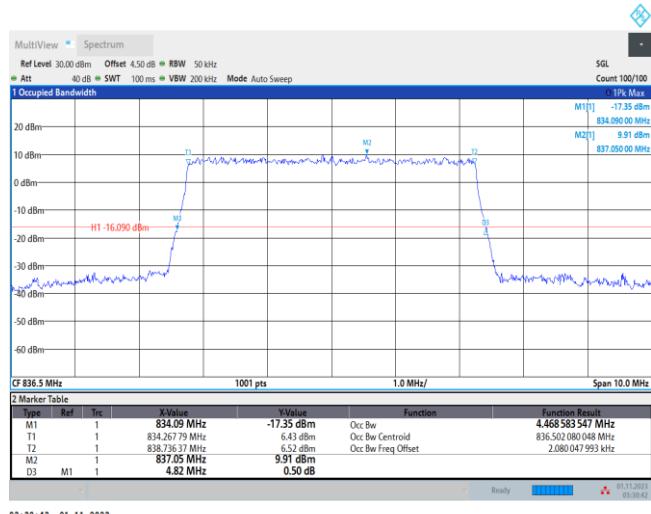
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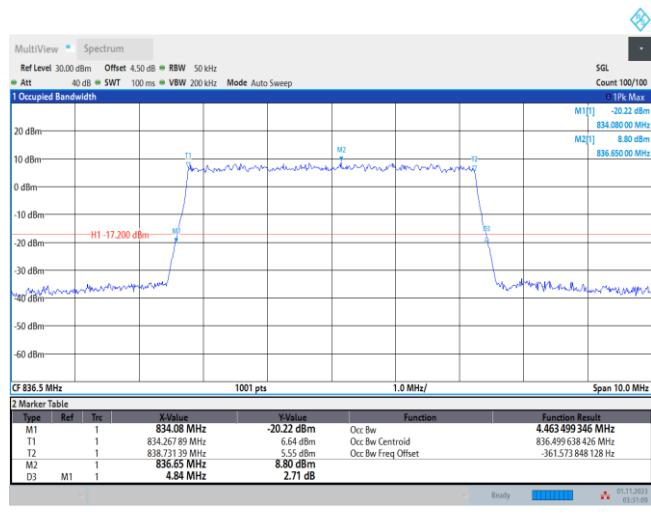
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## Band5-5MHz-QPSK-20525-25RB#0



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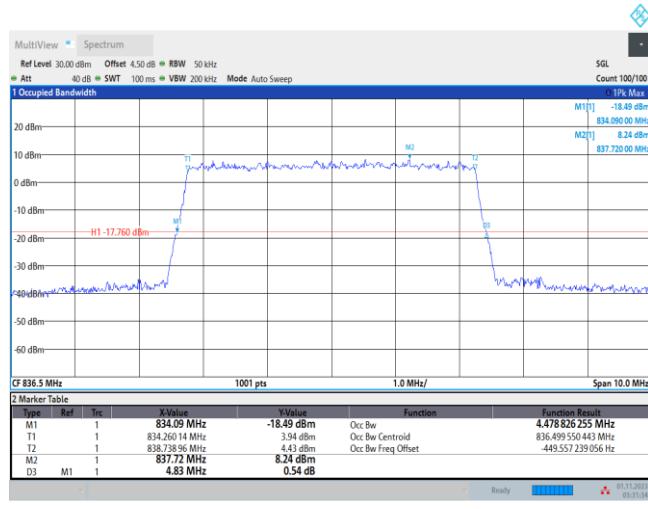
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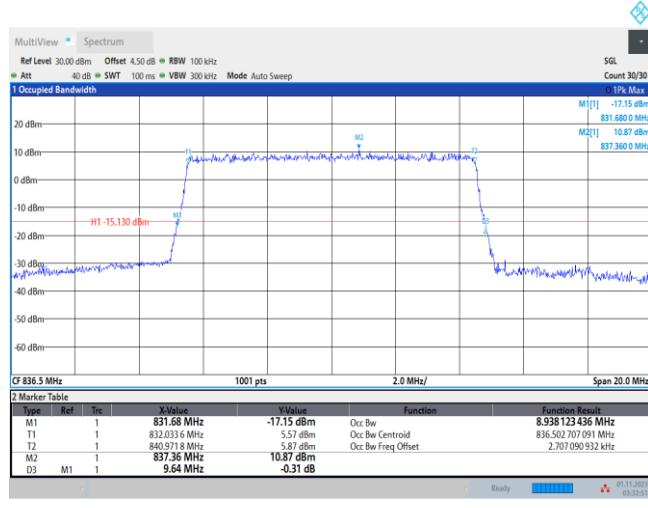
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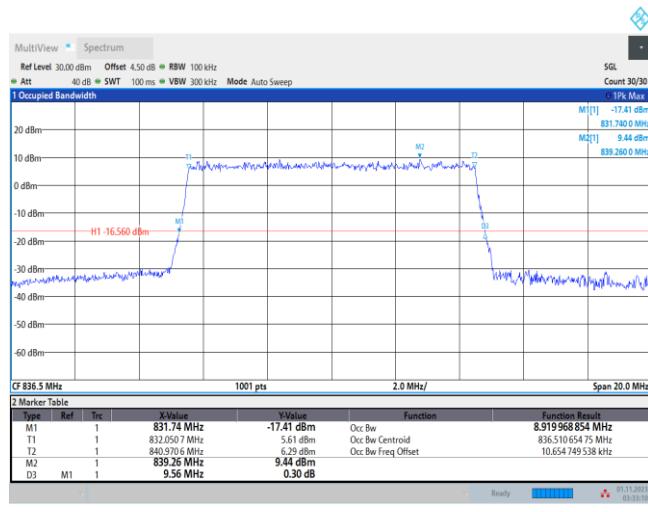
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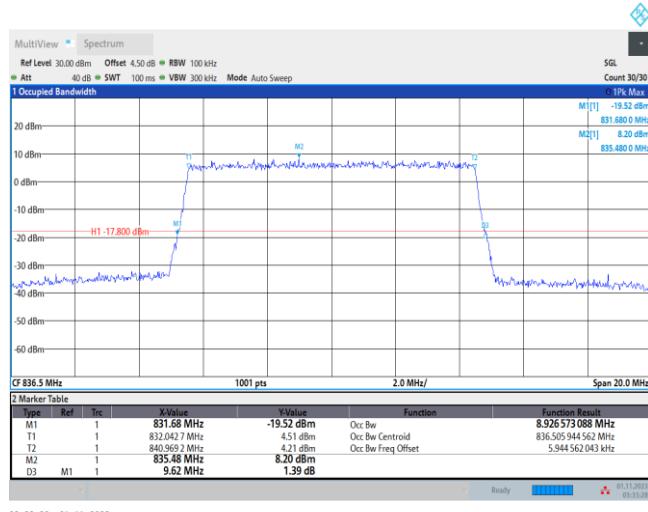
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## Band5-10MHz-16QAM-20525-50RB#0



03:33:10 01.11.2023

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



03:33:29 01.11.2023



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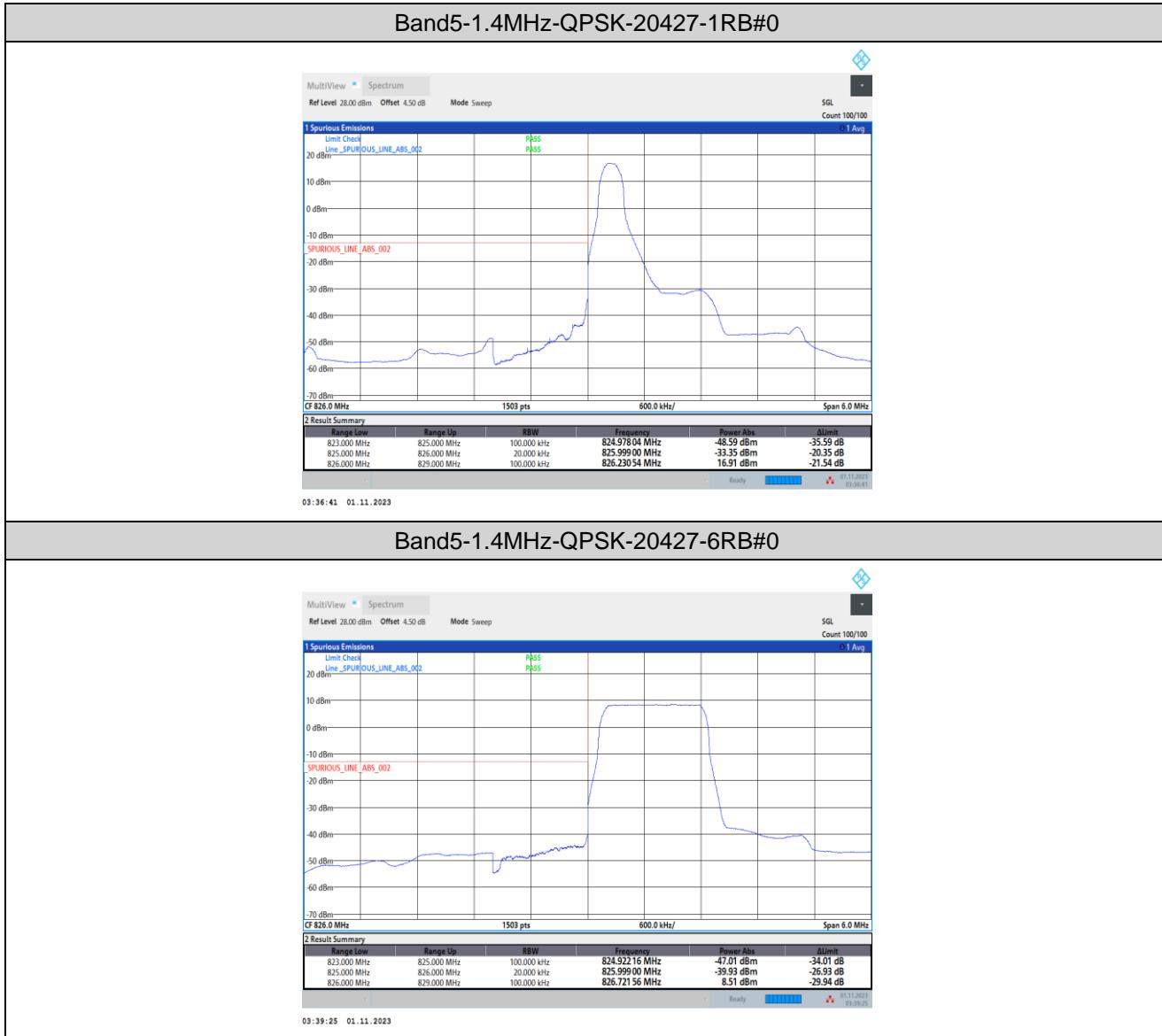
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## Band Edge

### Test Graphs



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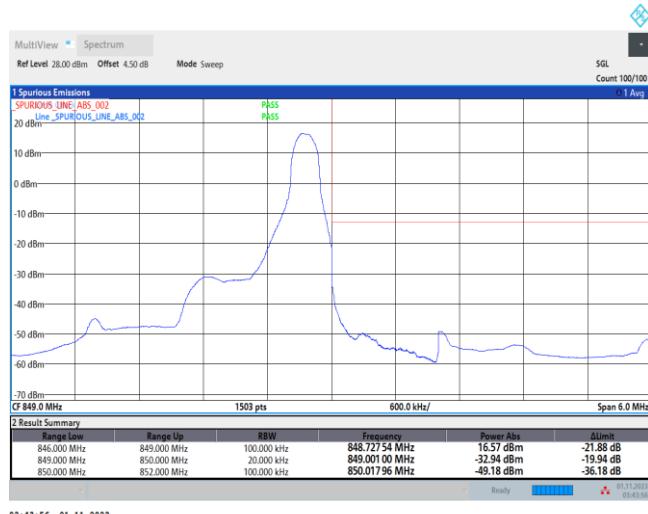
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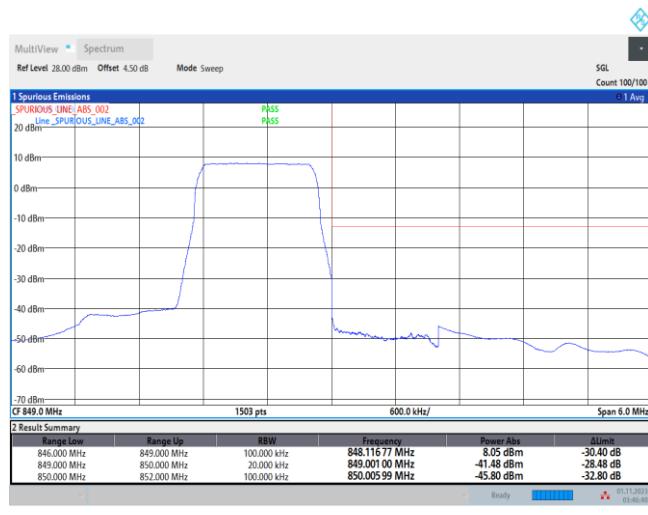
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## Band5-1.4MHz-QPSK-20643-1RB#5



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

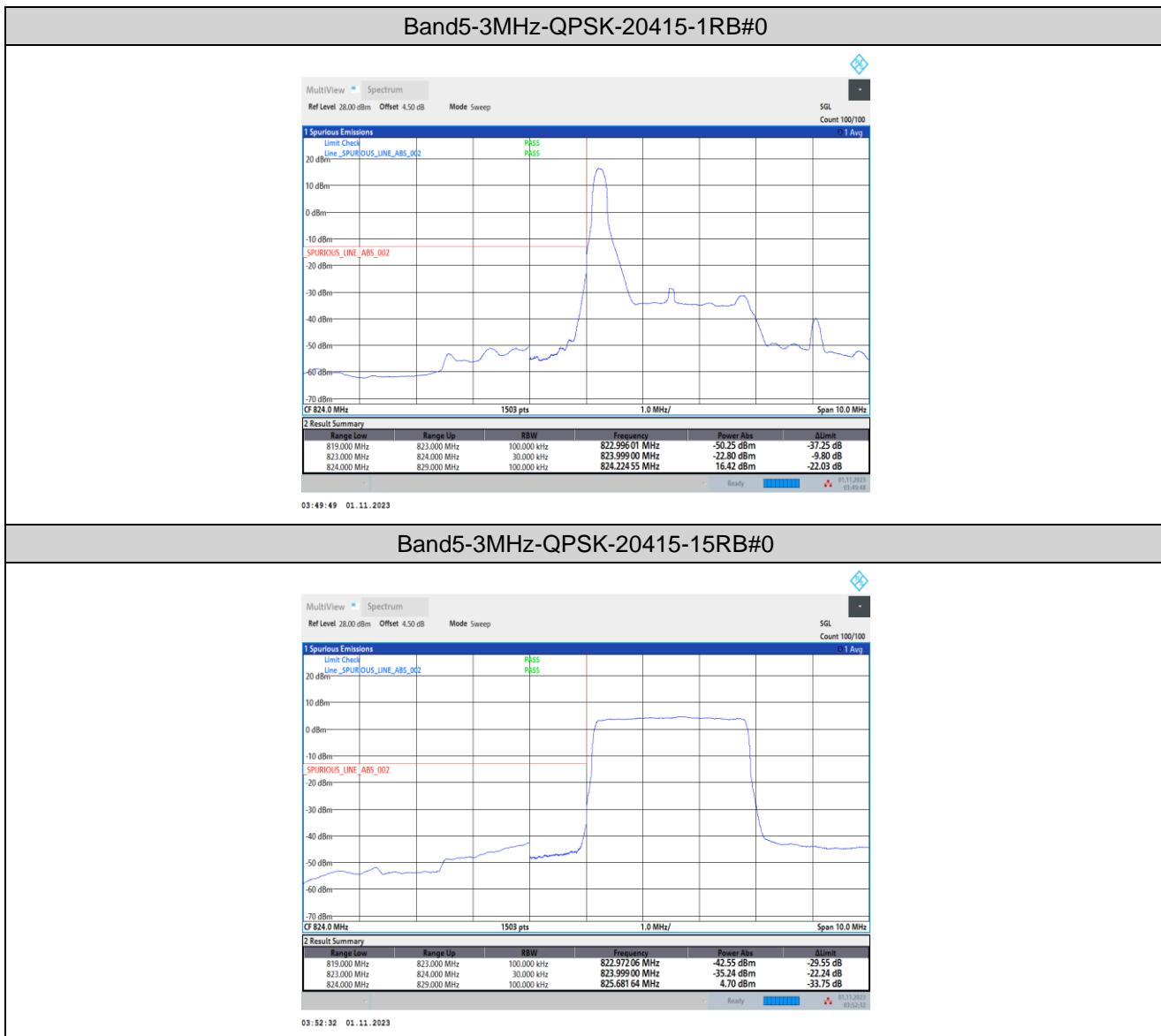


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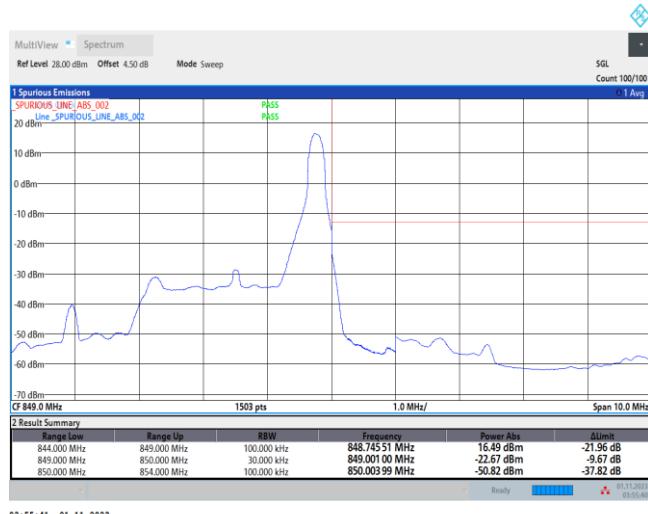
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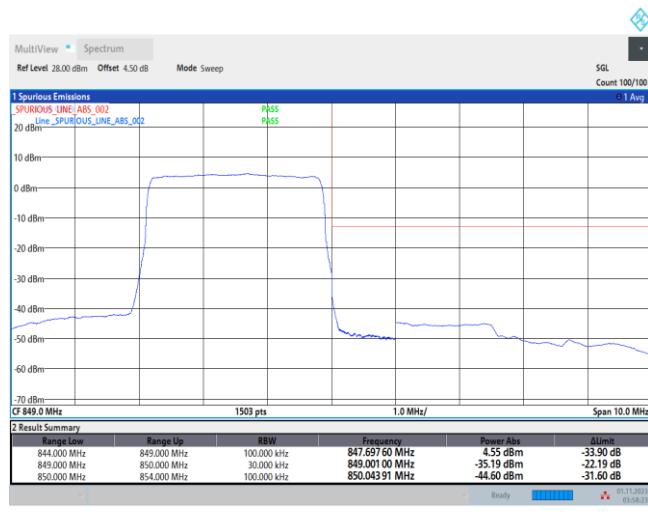


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## Band5-3MHz-QPSK-20635-1RB#14



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



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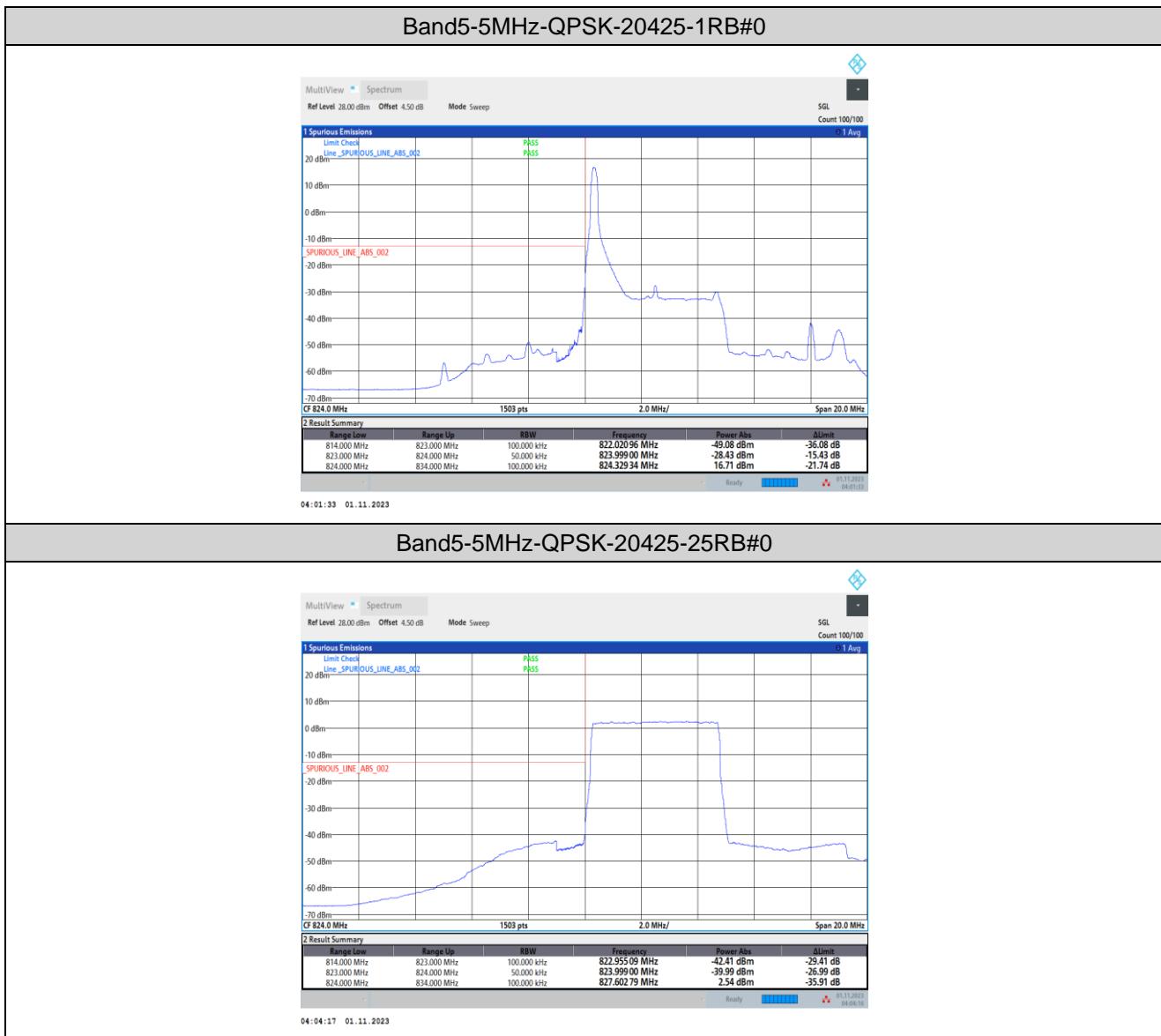
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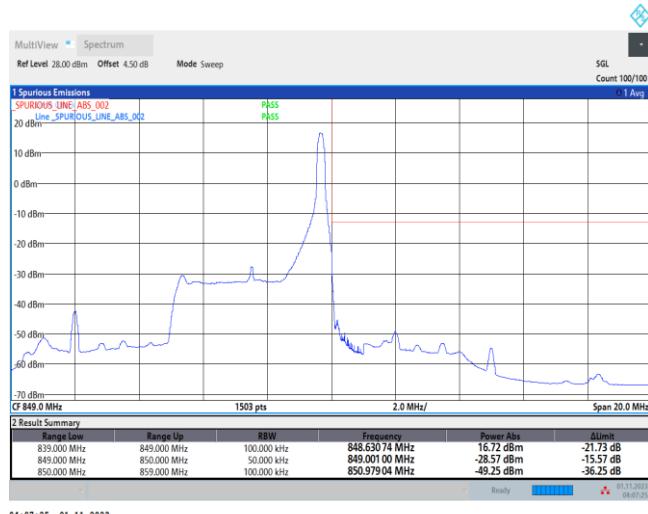
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## Band5-5MHz-QPSK-20625-1RB#24



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



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



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



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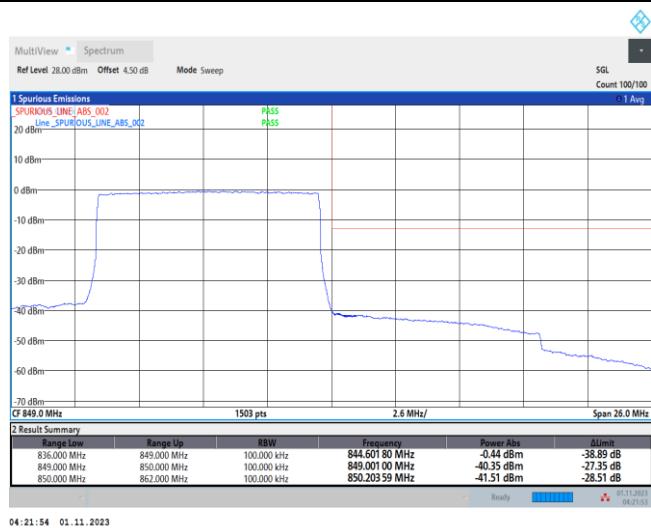
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## Band5-10MHz-QPSK-20600-1RB#49



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



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## Conducted Spurious Emission

### Test Graphs



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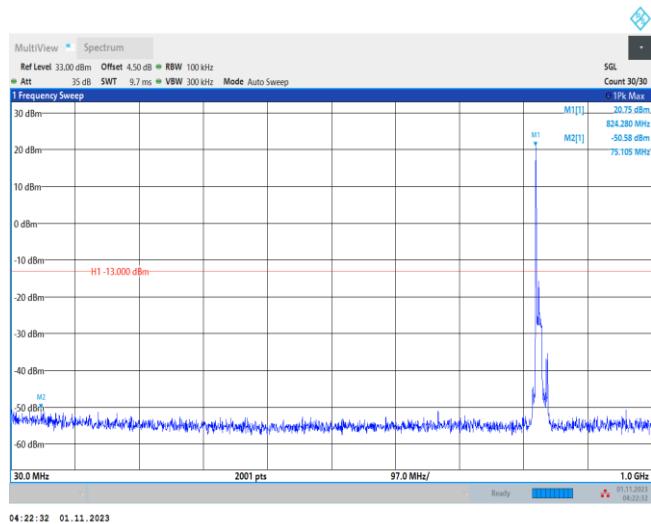
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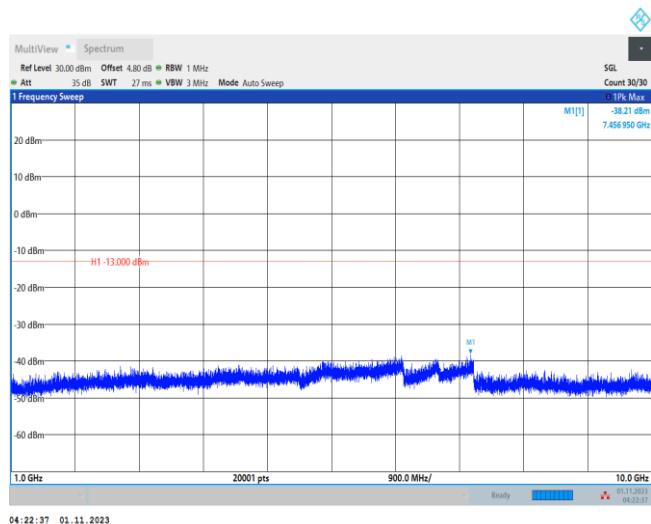
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### Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



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



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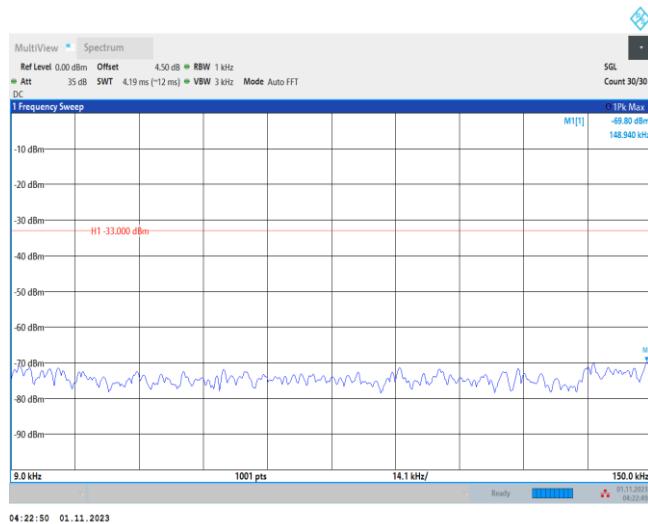
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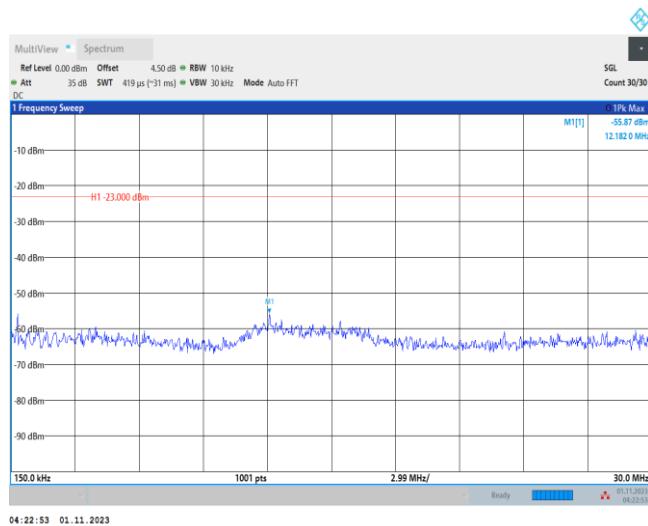
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## Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



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



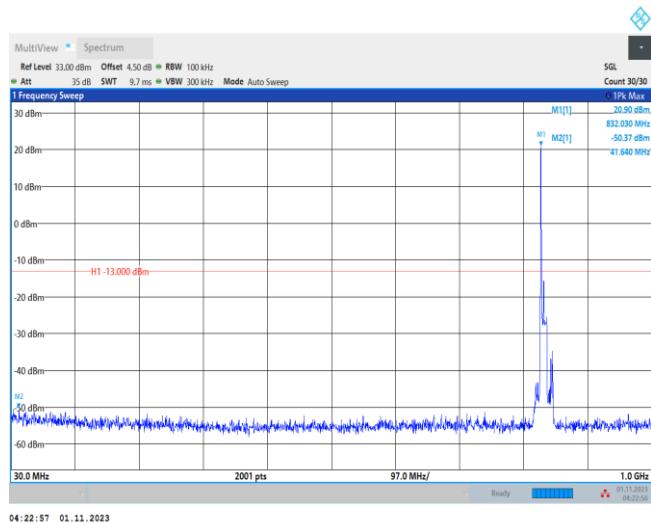
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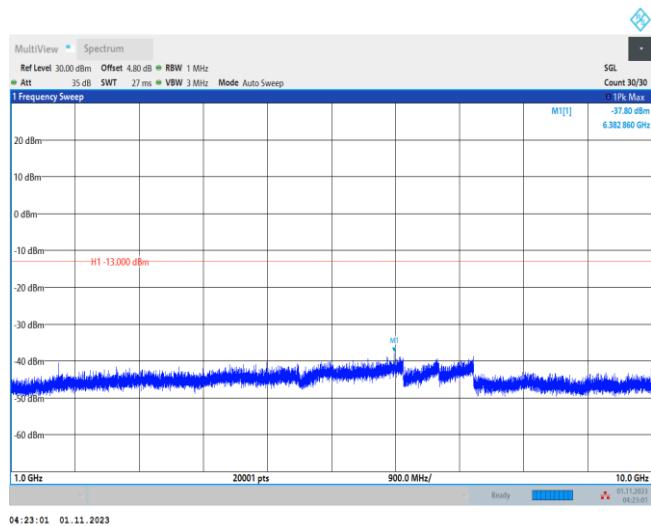


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## Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



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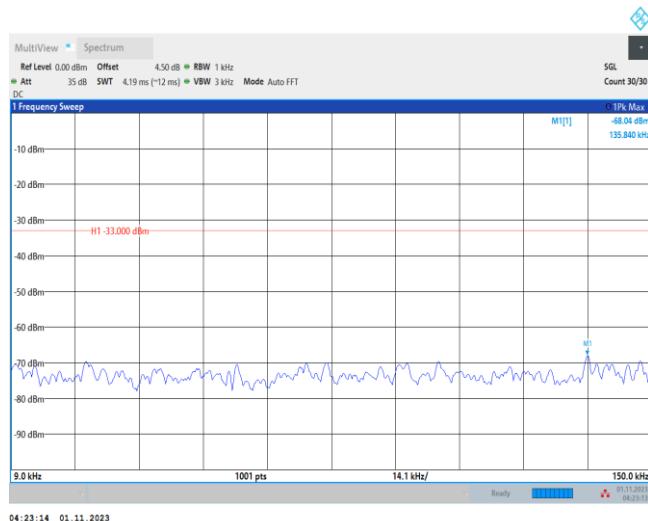
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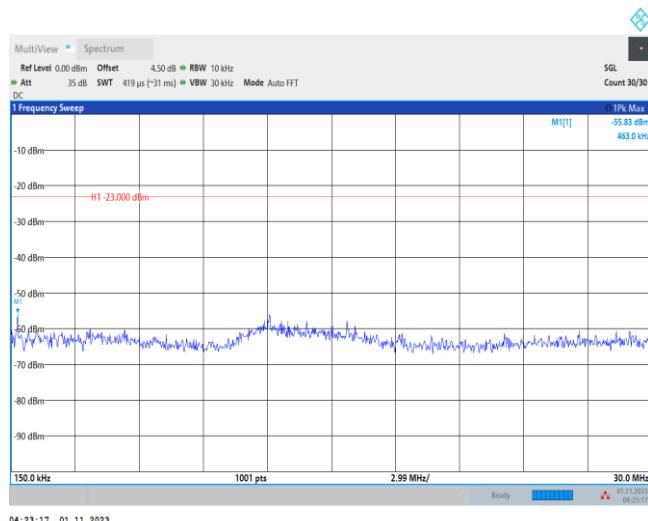


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## Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



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



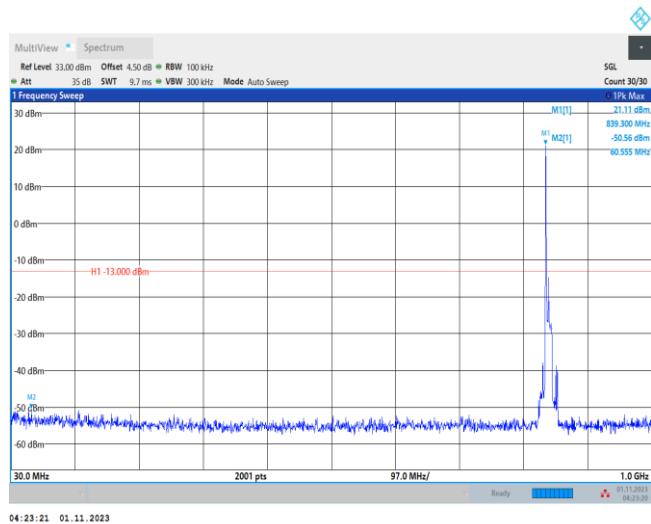
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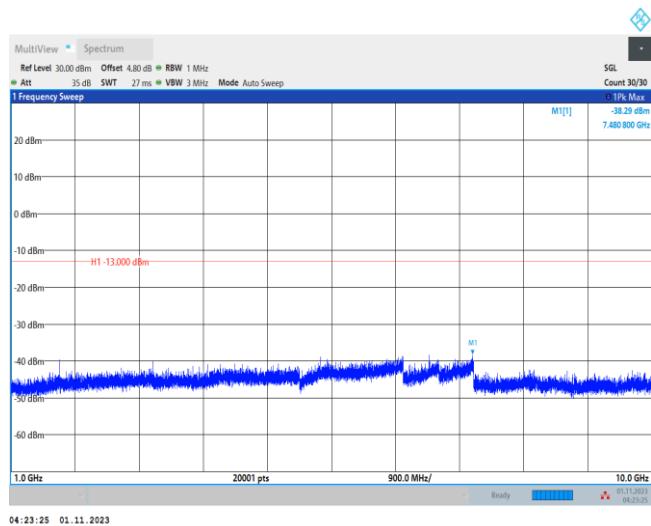


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### Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



### 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 [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3298.2222	51.87	-48.63	28.62	-63.40	-13.00	50.40	Horizontal
2	1649.18	74.67	-49.83	25.30	-45.12	-13.00	32.12	Horizontal
3	2473.77	61.75	-49.05	27.27	-55.29	-13.00	42.29	Horizontal
4	4122.95	50.87	-48.28	29.62	-63.05	-13.00	50.05	Horizontal
5	4947.54	42.83	-48.07	31.37	-69.13	-13.00	56.13	Horizontal
6	5772.13	43.14	-47.66	32.75	-67.02	-13.00	54.02	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.18	68.14	-49.83	25.30	-51.65	-13.00	38.65	Vertical
2	2473.77	59.33	-49.05	27.27	-57.71	-13.00	44.71	Vertical
3	3298.36	47.76	-48.63	28.62	-67.51	-13.00	54.51	Vertical
4	4122.95	47.17	-48.28	29.62	-66.75	-13.00	53.75	Vertical
5	4947.54	43.13	-48.07	31.37	-68.83	-13.00	55.83	Vertical
6	5772.13	43.18	-47.66	32.75	-66.98	-13.00	53.98	Vertical

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

**Test Channel = Mid Channel**

<b>Final Data List</b>								
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.18	72.77	-49.79	25.36	-46.93	-13.00	33.93	Horizontal
2	2496.27	64.26	-48.92	27.30	-52.62	-13.00	39.62	Horizontal
3	3328.36	56.00	-48.65	28.63	-59.28	-13.00	46.28	Horizontal
4	4160.45	49.40	-48.32	29.69	-64.49	-13.00	51.49	Horizontal
5	4992.54	43.33	-47.97	31.48	-68.42	-13.00	55.42	Horizontal
6	5824.63	43.00	-47.55	32.76	-67.04	-13.00	54.04	Horizontal

<b>Final Data List</b>								
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.18	67.41	-49.79	25.36	-52.29	-13.00	39.29	Vertical
2	2496.27	60.40	-48.92	27.30	-56.48	-13.00	43.48	Vertical
3	3328.36	49.17	-48.65	28.63	-66.11	-13.00	53.11	Vertical
4	4160.45	46.51	-48.32	29.69	-67.38	-13.00	54.38	Vertical
5	4992.54	43.42	-47.97	31.48	-68.33	-13.00	55.33	Vertical
6	5824.63	43.31	-47.55	32.76	-66.73	-13.00	53.73	Vertical



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

Final Data List								
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.1111	74.69	-49.76	25.42	-44.92	-13.00	31.92	Horizontal
2	2518.6667	64.19	-48.95	27.34	-52.68	-13.00	39.68	Horizontal
3	3358.2222	54.04	-48.66	28.64	-61.24	-13.00	48.24	Horizontal
4	4197.95	46.24	-48.36	29.76	-67.62	-13.00	54.62	Horizontal
5	5037.54	43.71	-47.94	31.59	-67.90	-13.00	54.90	Horizontal
6	5887.13	42.74	-47.11	32.78	-66.85	-13.00	53.85	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2518.6667	60.83	-48.95	27.34	-56.04	-13.00	43.04	Vertical
2	1679.18	67.52	-49.76	25.42	-52.08	-13.00	39.08	Vertical
3	3358.36	48.70	-48.67	28.64	-66.58	-13.00	53.58	Vertical
4	4197.95	45.12	-48.36	29.76	-68.74	-13.00	55.74	Vertical
5	5037.54	43.88	-47.94	31.59	-67.73	-13.00	54.73	Vertical
6	5887.13	43.03	-47.11	32.78	-66.56	-13.00	53.56	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	Voltage							Verdict
				RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)		
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-7.10	-0.008488	±2.5	PASS	
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-4.30	-0.005140	±2.5	PASS	
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-2.60	-0.003108	±2.5	PASS	

Band	Bandwidth	Modulation	Channel	Temperature							Verdict
				RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)		
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-4.10	-0.004901	±2.5	PASS	
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-6.10	-0.007292	±2.5	PASS	
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-4.40	-0.005260	±2.5	PASS	
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-4.30	-0.005140	±2.5	PASS	
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-1.80	-0.002152	±2.5	PASS	
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-1.60	-0.001913	±2.5	PASS	
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-2.90	-0.003467	±2.5	PASS	
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-1.20	-0.001435	±2.5	PASS	
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-5.20	-0.006216	±2.5	PASS	

---End of Attachment---



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