

**Appendix A: Conducted Output Power****Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	22.86	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.11	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.17	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.03	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.04	PASS
Band13	5MHz	QPSK	23205	12RB#13	22.25	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.23	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.14	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.25	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.34	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.21	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.26	PASS
Band13	5MHz	QPSK	23230	12RB#13	22.45	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.25	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.39	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.50	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.54	PASS
Band13	5MHz	QPSK	23255	12RB#0	22.37	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.38	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.49	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.52	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.83	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.29	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.18	PASS
Band13	5MHz	16QAM	23205	12RB#0	20.98	PASS
Band13	5MHz	16QAM	23205	12RB#6	20.99	PASS
Band13	5MHz	16QAM	23205	12RB#13	21.29	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.20	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.19	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.49	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.52	PASS

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Band13	5MHz	16QAM	23230	12RB#0	21.32	PASS
Band13	5MHz	16QAM	23230	12RB#6	21.28	PASS
Band13	5MHz	16QAM	23230	12RB#13	21.44	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.24	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.30	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.42	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.44	PASS
Band13	5MHz	16QAM	23255	12RB#0	21.42	PASS
Band13	5MHz	16QAM	23255	12RB#6	21.44	PASS
Band13	5MHz	16QAM	23255	12RB#13	21.54	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.50	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.06	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.81	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.17	PASS
Band13	10MHz	QPSK	23230	25RB#0	21.75	PASS
Band13	10MHz	QPSK	23230	25RB#12	21.77	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.05	PASS
Band13	10MHz	QPSK	23230	50RB#0	21.86	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.13	PASS
Band13	10MHz	16QAM	23230	1RB#24	21.79	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.33	PASS
Band13	10MHz	16QAM	23230	25RB#0	20.63	PASS
Band13	10MHz	16QAM	23230	25RB#12	20.66	PASS
Band13	10MHz	16QAM	23230	25RB#25	21.04	PASS
Band13	10MHz	16QAM	23230	50RB#0	20.91	PASS

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**Appendix B: Peak-to-Average Ratio(CCDF)****Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	2.72	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	4.76	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	3.27	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.75	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	3.41	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.71	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	3.59	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.66	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	3.97	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.66	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	4.31	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.58	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	2.77	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	4.90	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	3.67	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.76	13	PASS

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## Test Graphs

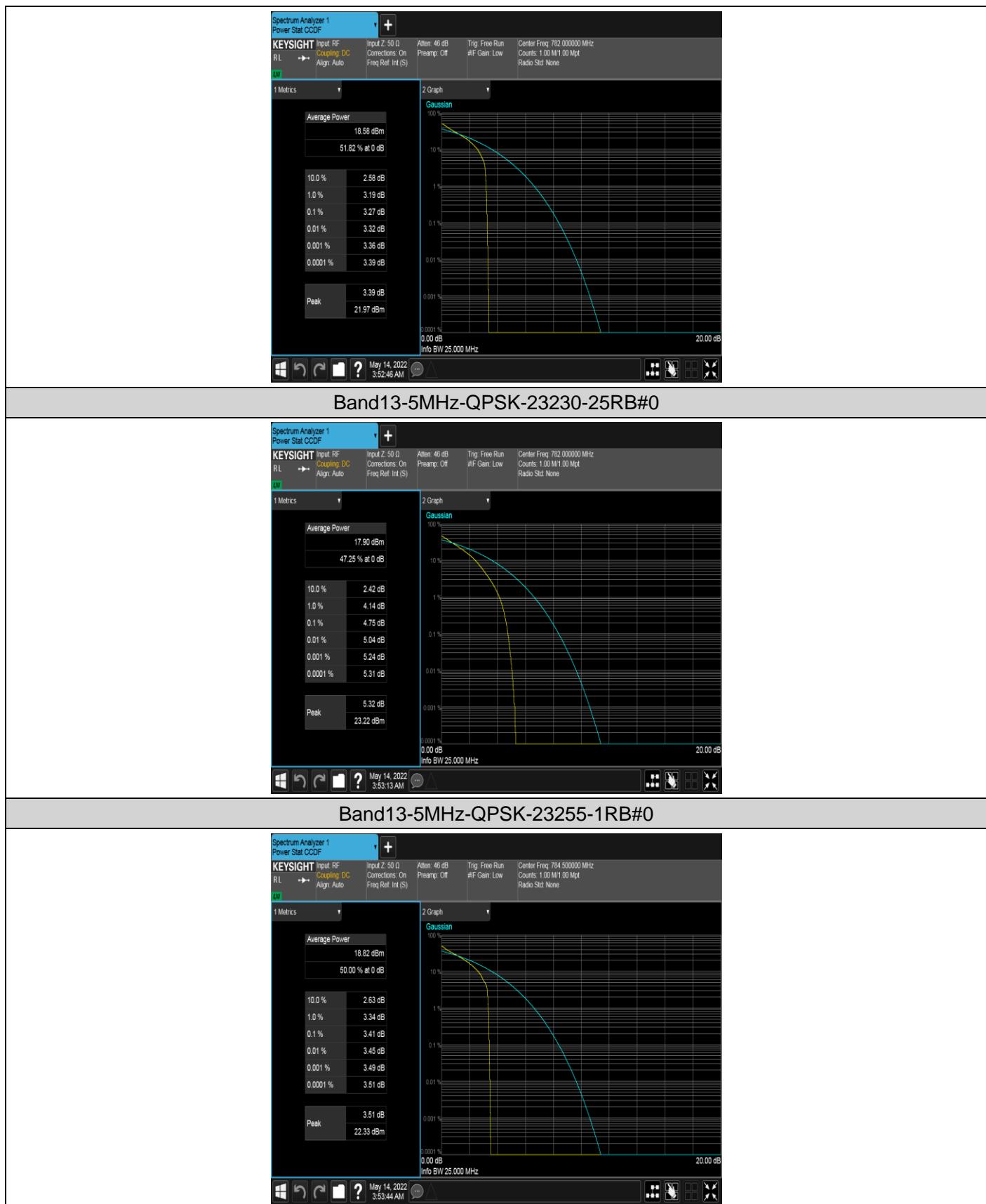


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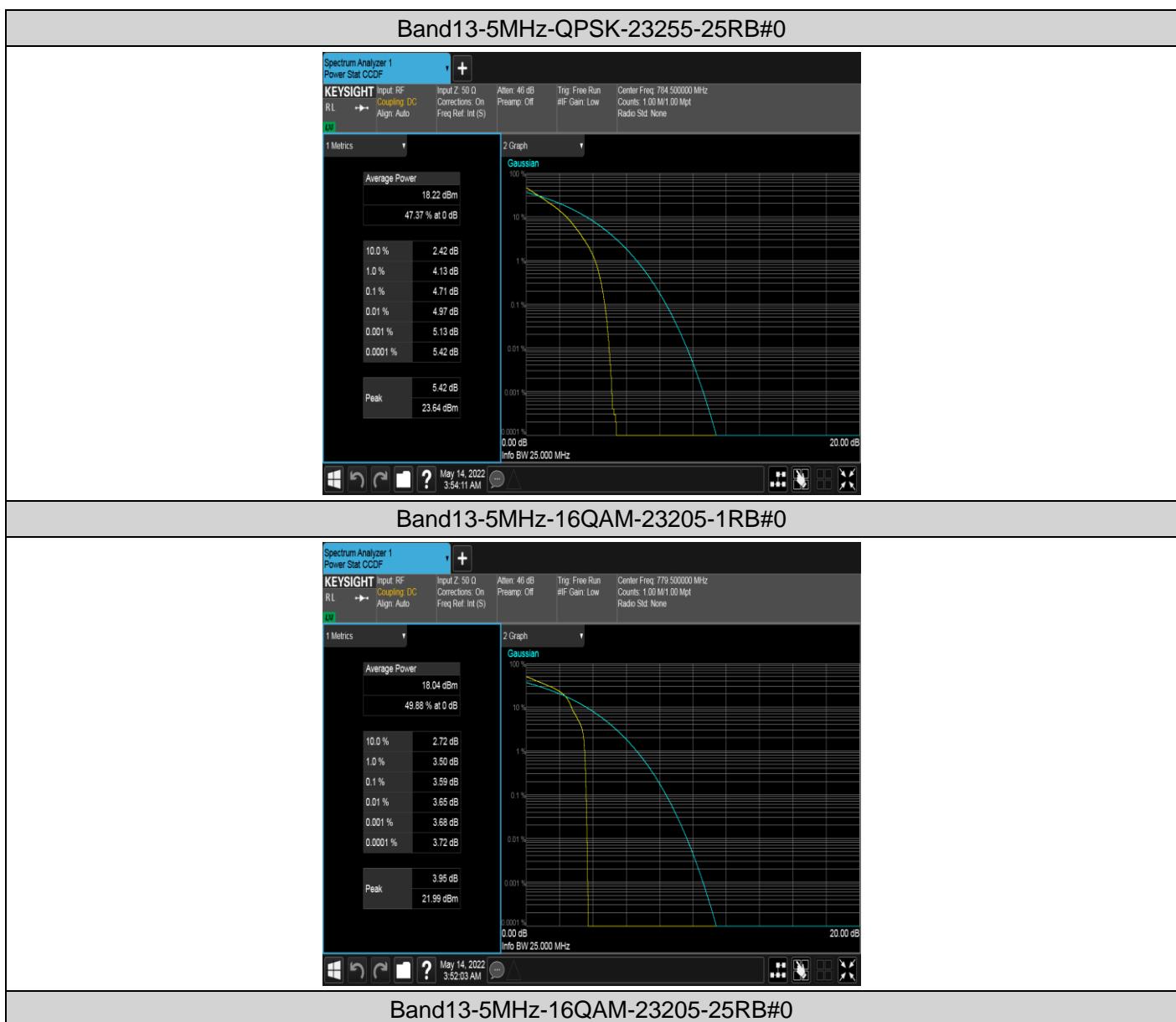


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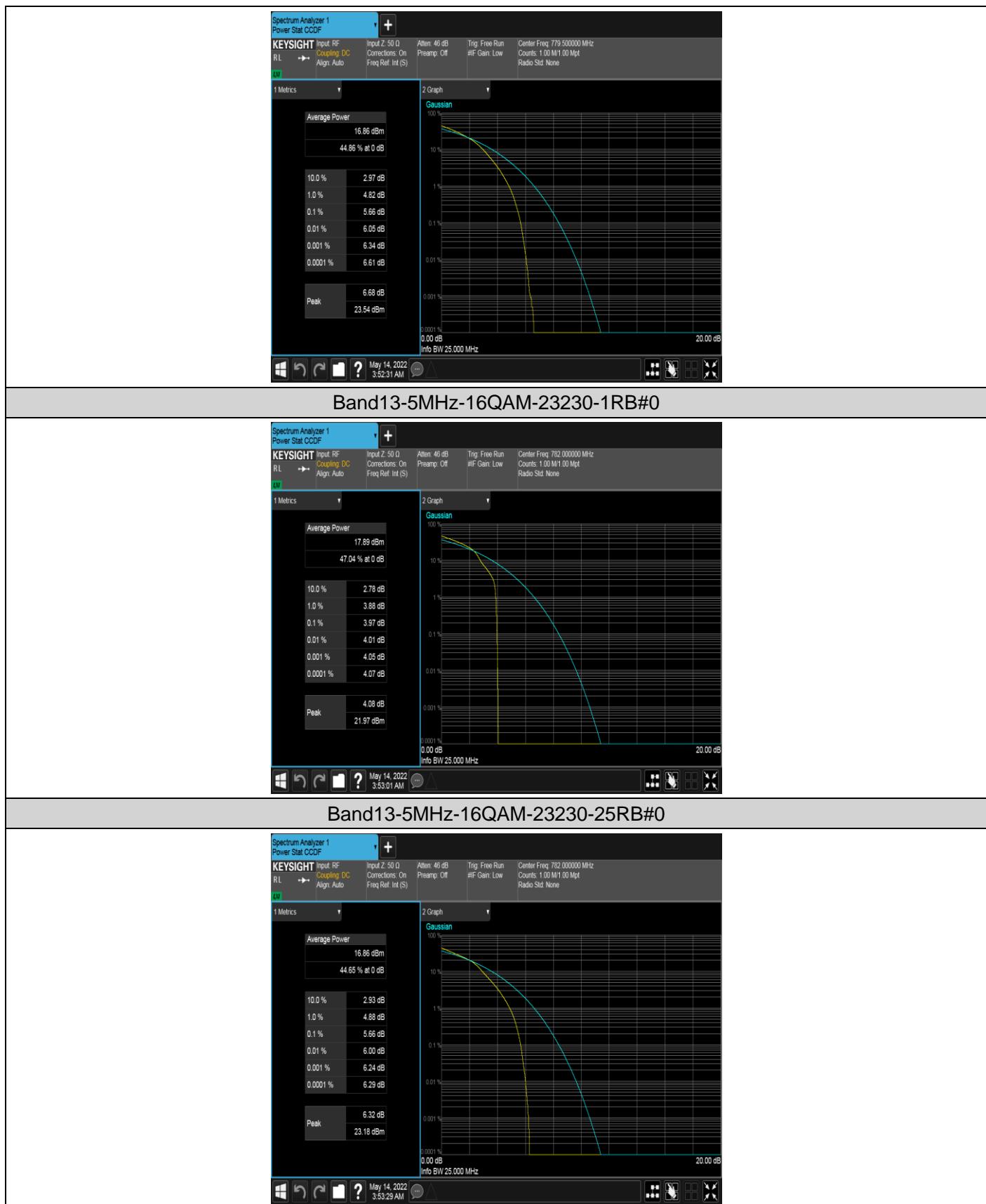


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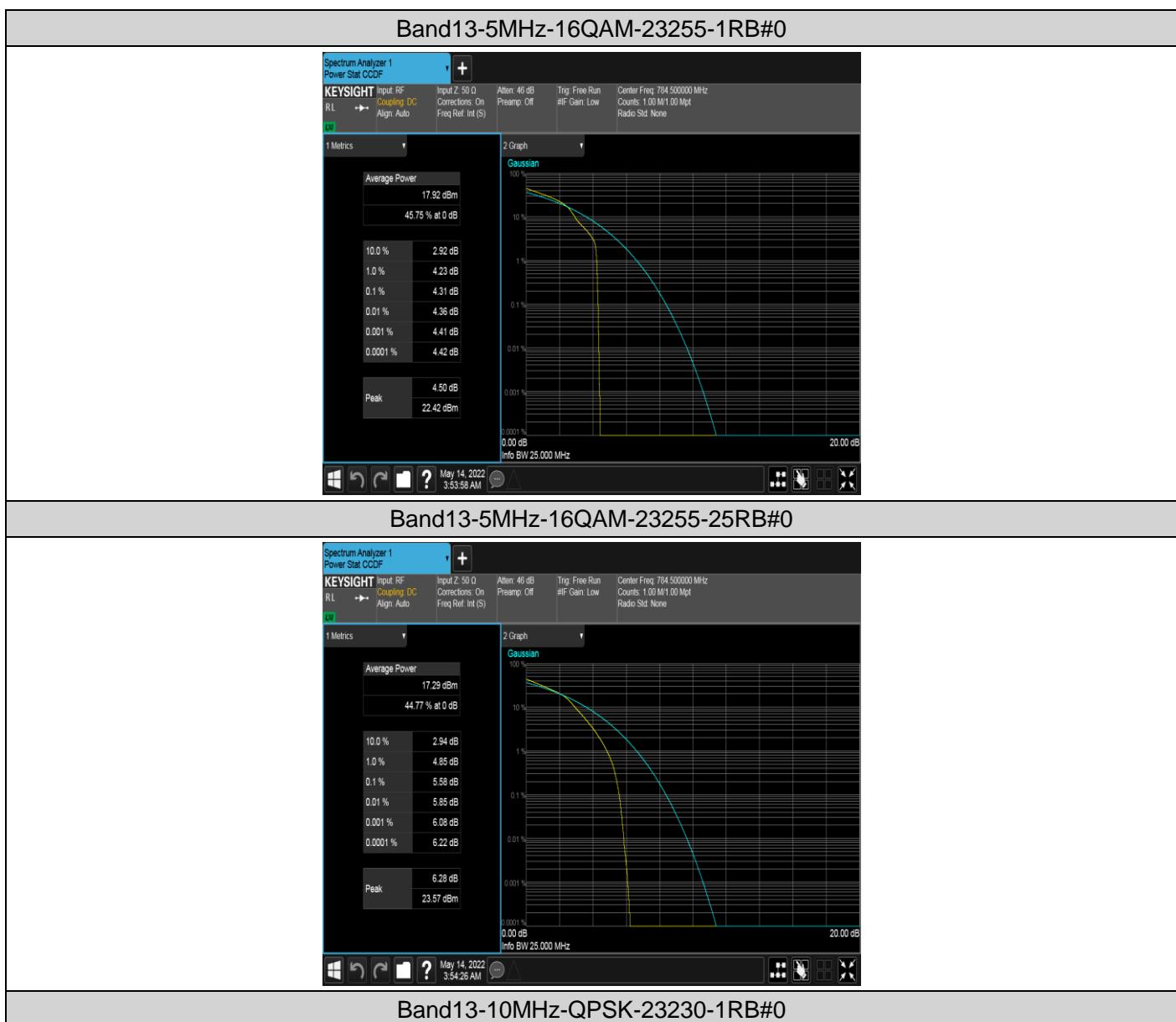


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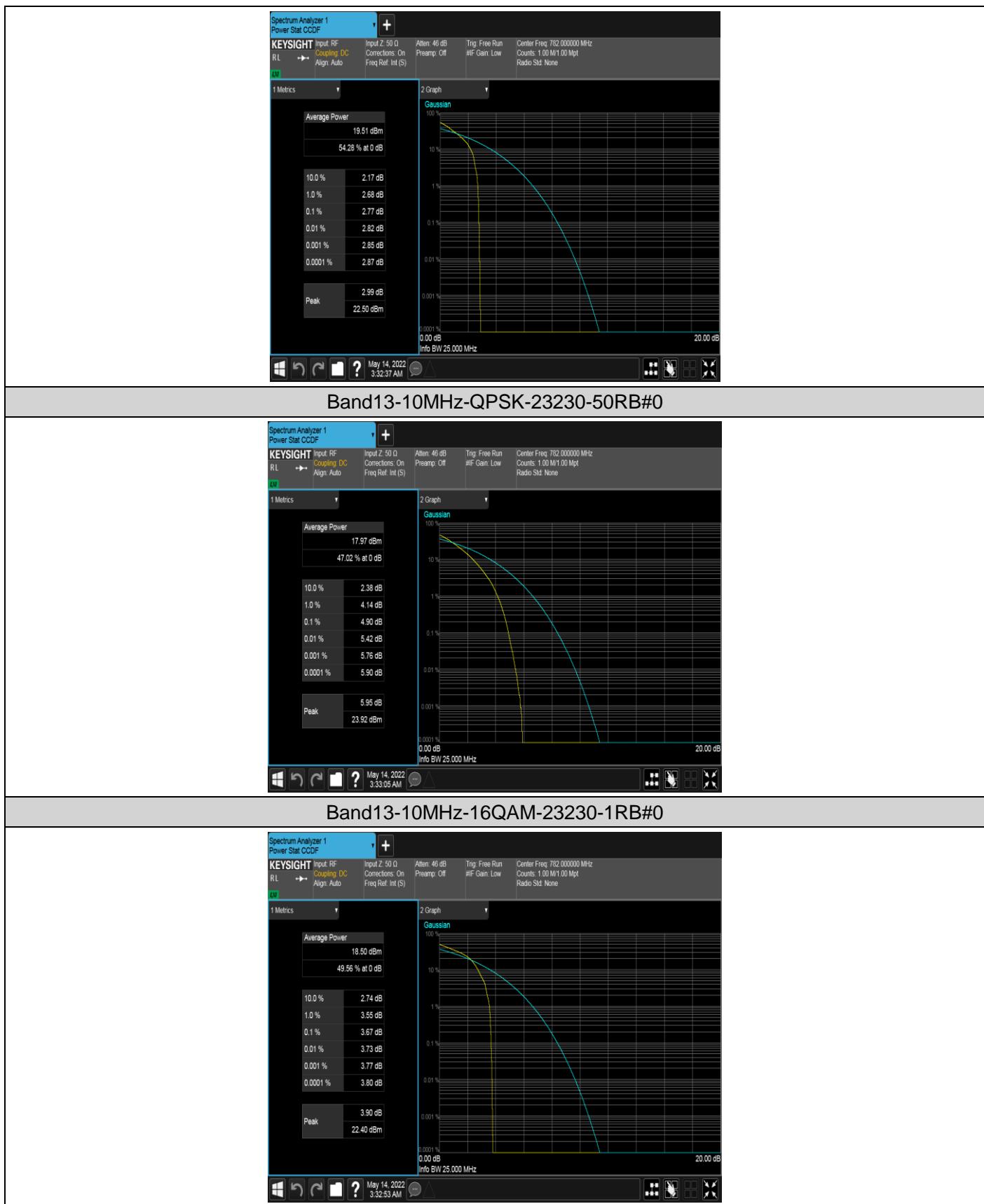


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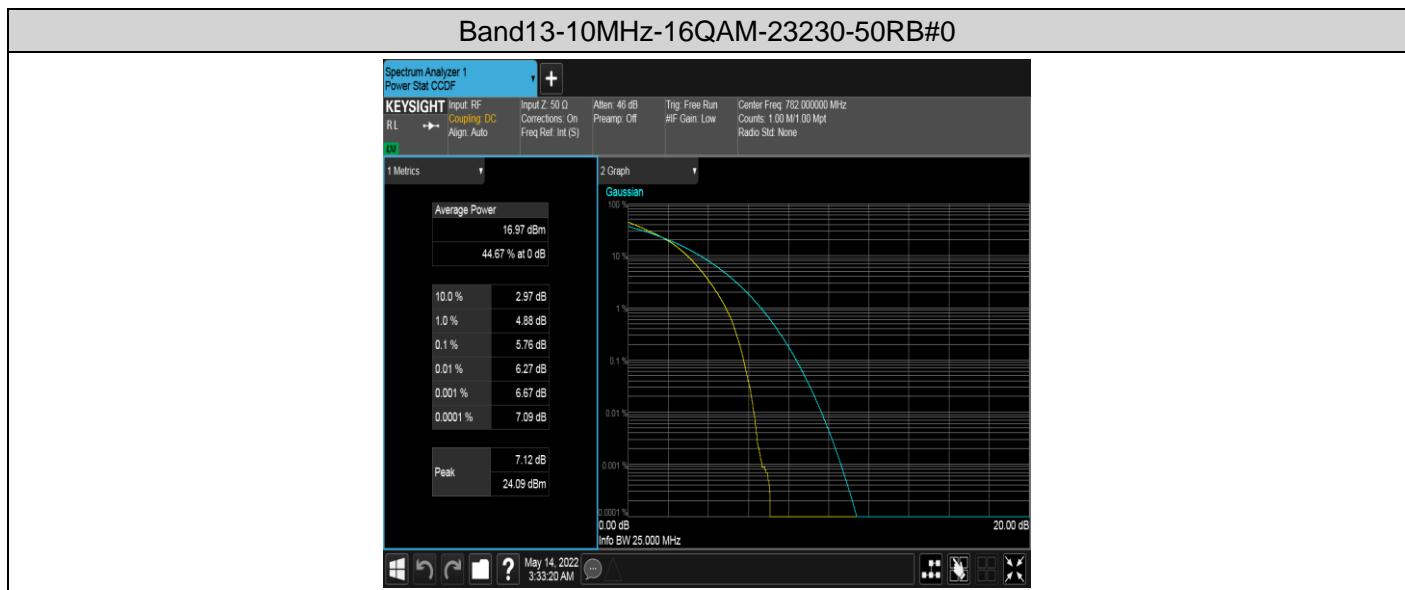


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**Appendix C: 26dB Bandwidth and Occupied Bandwidth****Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5060	4.865	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4899	4.841	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5197	4.841	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5031	4.843	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4873	4.855	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5192	4.877	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9590	9.529	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9482	9.553	PASS

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## Test Graphs



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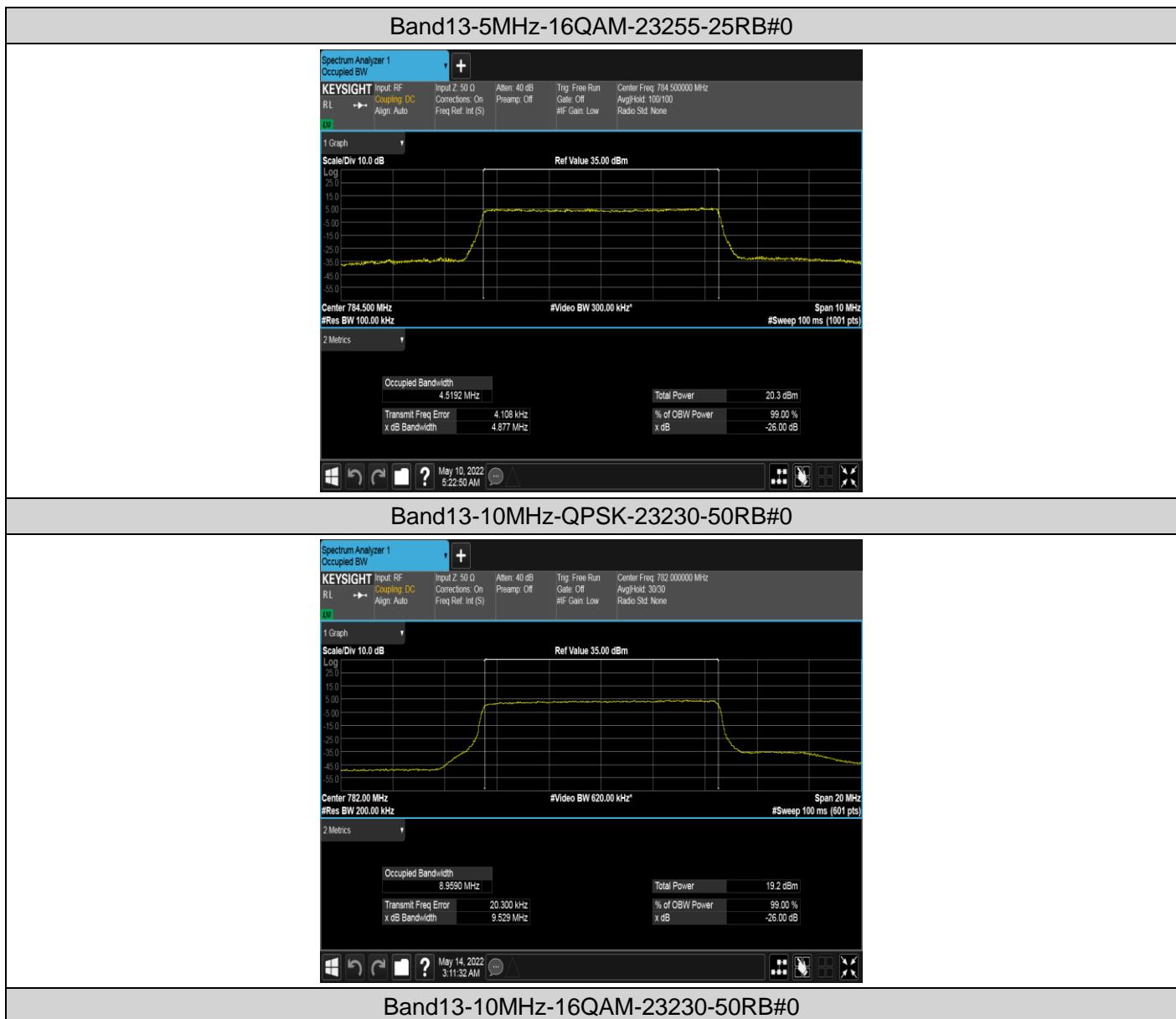


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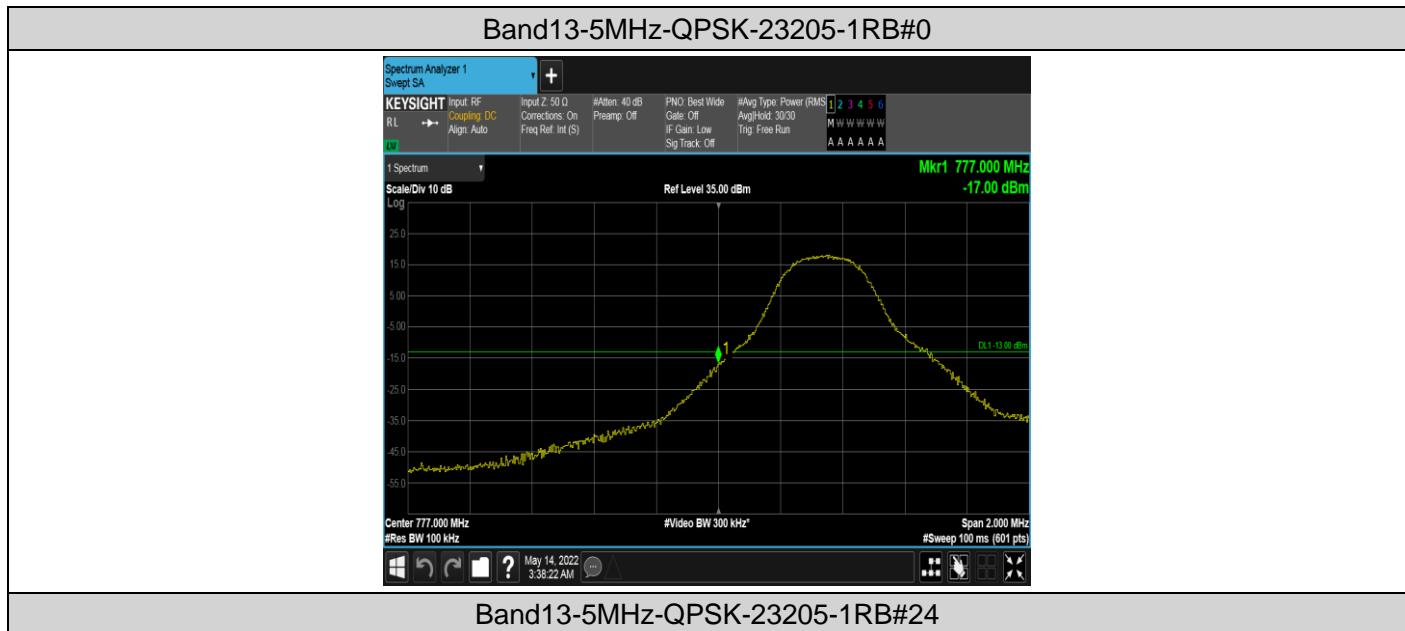
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## Appendix D: Band Edge

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-17.00	PASS
Band13	5MHz	QPSK	23205	1RB#24	-49.75	PASS
Band13	5MHz	QPSK	23205	25RB#0	-25.93	PASS
Band13	5MHz	QPSK	23255	1RB#0	-48.93	PASS
Band13	5MHz	QPSK	23255	1RB#24	-17.40	PASS
Band13	5MHz	QPSK	23255	25RB#0	-24.78	PASS
Band13	5MHz	16QAM	23205	1RB#0	-17.30	PASS
Band13	5MHz	16QAM	23205	1RB#24	-49.95	PASS
Band13	5MHz	16QAM	23205	25RB#0	-28.32	PASS
Band13	5MHz	16QAM	23255	1RB#0	-48.90	PASS
Band13	5MHz	16QAM	23255	1RB#24	-18.52	PASS
Band13	5MHz	16QAM	23255	25RB#0	-26.24	PASS

### Test Graphs



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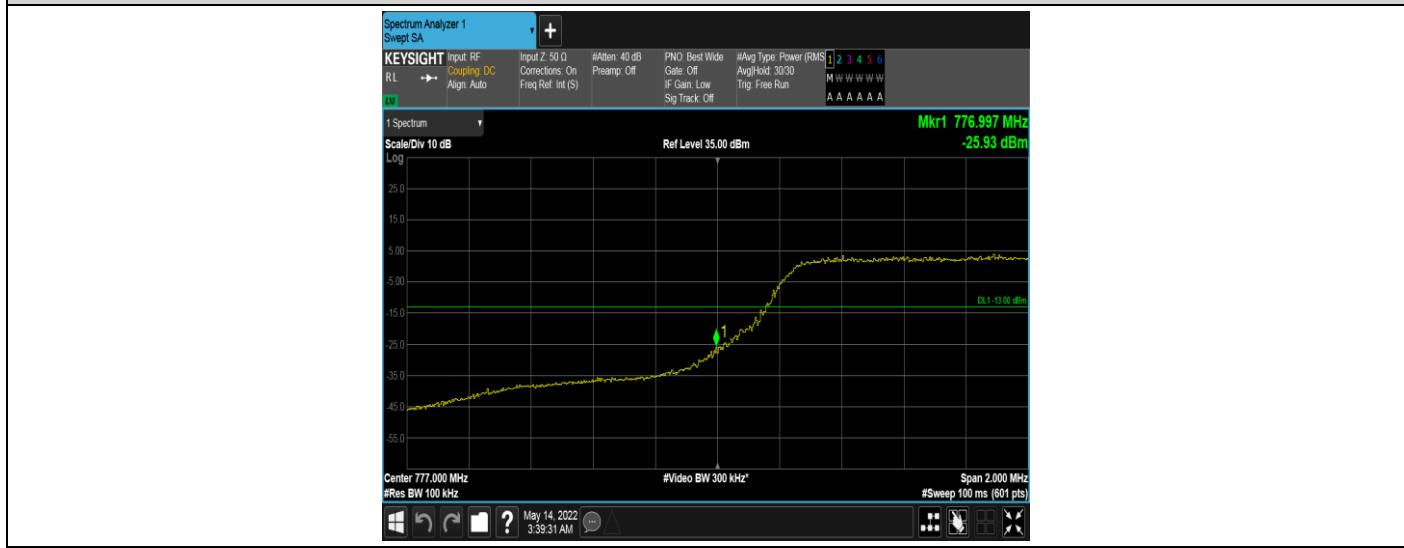
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Band13-5MHz-QPSK-23205-25RB#0



Band13-5MHz-QPSK-23255-1RB#0

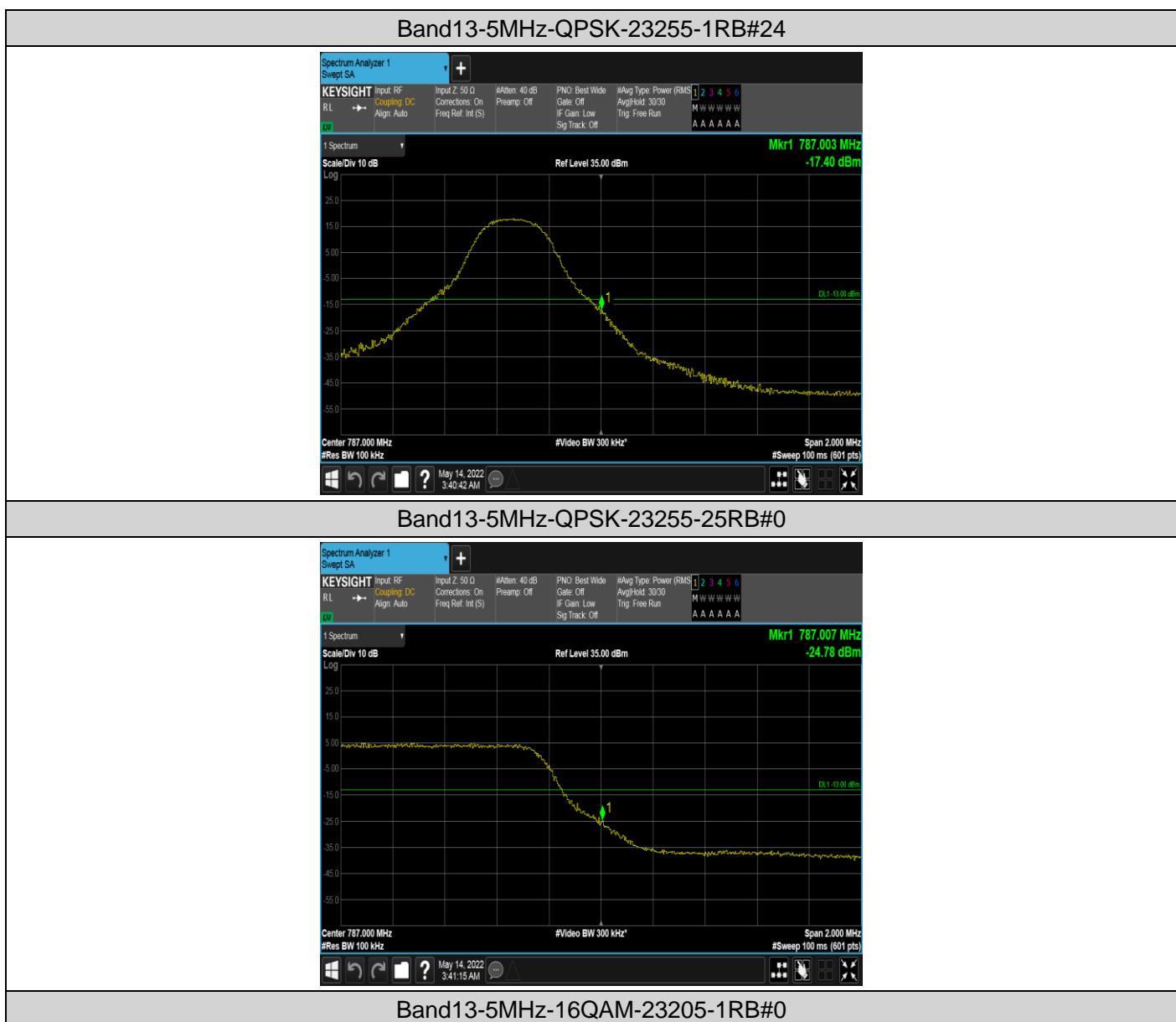


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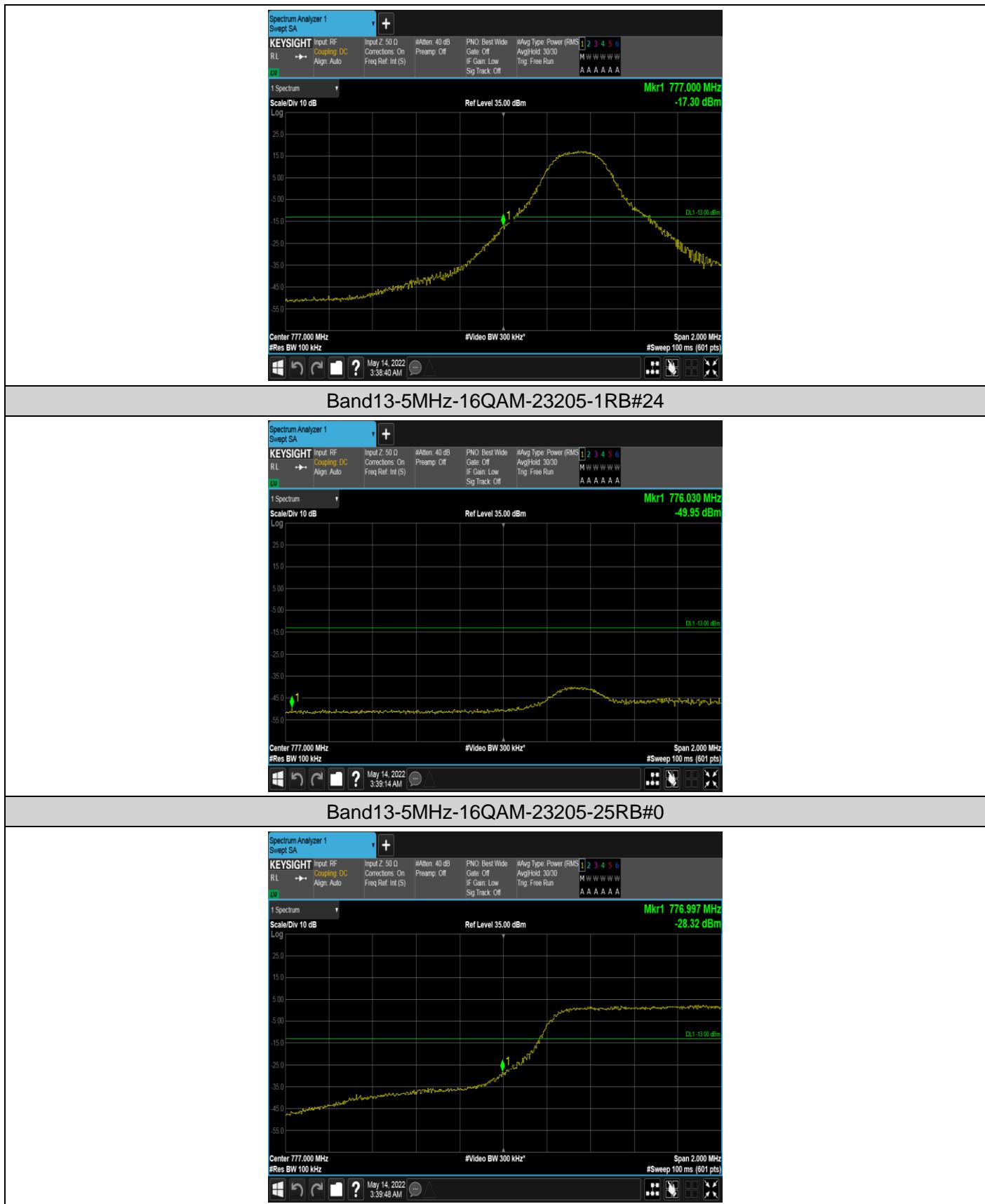


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### Band13-5MHz-16QAM-23255-1RB#0



### Band13-5MHz-16QAM-23255-1RB#24



### Band13-5MHz-16QAM-23255-25RB#0

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**Appendix E: Conducted Spurious Emission****Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range2:30~1000MHz	-31.54	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range1:30~1000MHz	-32.18	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range3:1000~10000MHz	-47.55	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range2:30~1000MHz	-31.57	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-32.84	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range3:1000~10000MHz	-55.98	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range2:30~1000MHz	-32.39	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:30~1000MHz	-31.56	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range3:1000~10000MHz	-49.56	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:30~1000MHz	-31.83	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:30~1000MHz	-32.12	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range3:1000~10000MHz	-46.98	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:30~1000MHz	-32.49	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-30.86	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range3:1000~10000MHz	-51.87	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:30~1000MHz	-32.68	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:30~1000MHz	-32.8	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range3:1000~10000MHz	-47.16	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-29.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:30~1000MHz	-32.09	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range3:1000~10000MHz	-47.16	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range2:30~1000MHz	-32.17	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-32.45	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range3:1000~10000MHz	-47.81	PASS

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## Test Graphs



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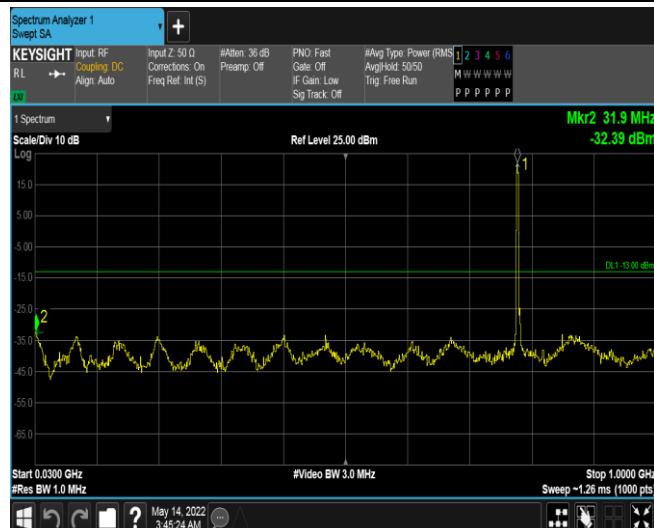
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## Band13-5MHz-QPSK-23230-1RB#0-Range3:1000~10000MHz



## Band13-5MHz-QPSK-23255-1RB#0-Range2:30~1000MHz



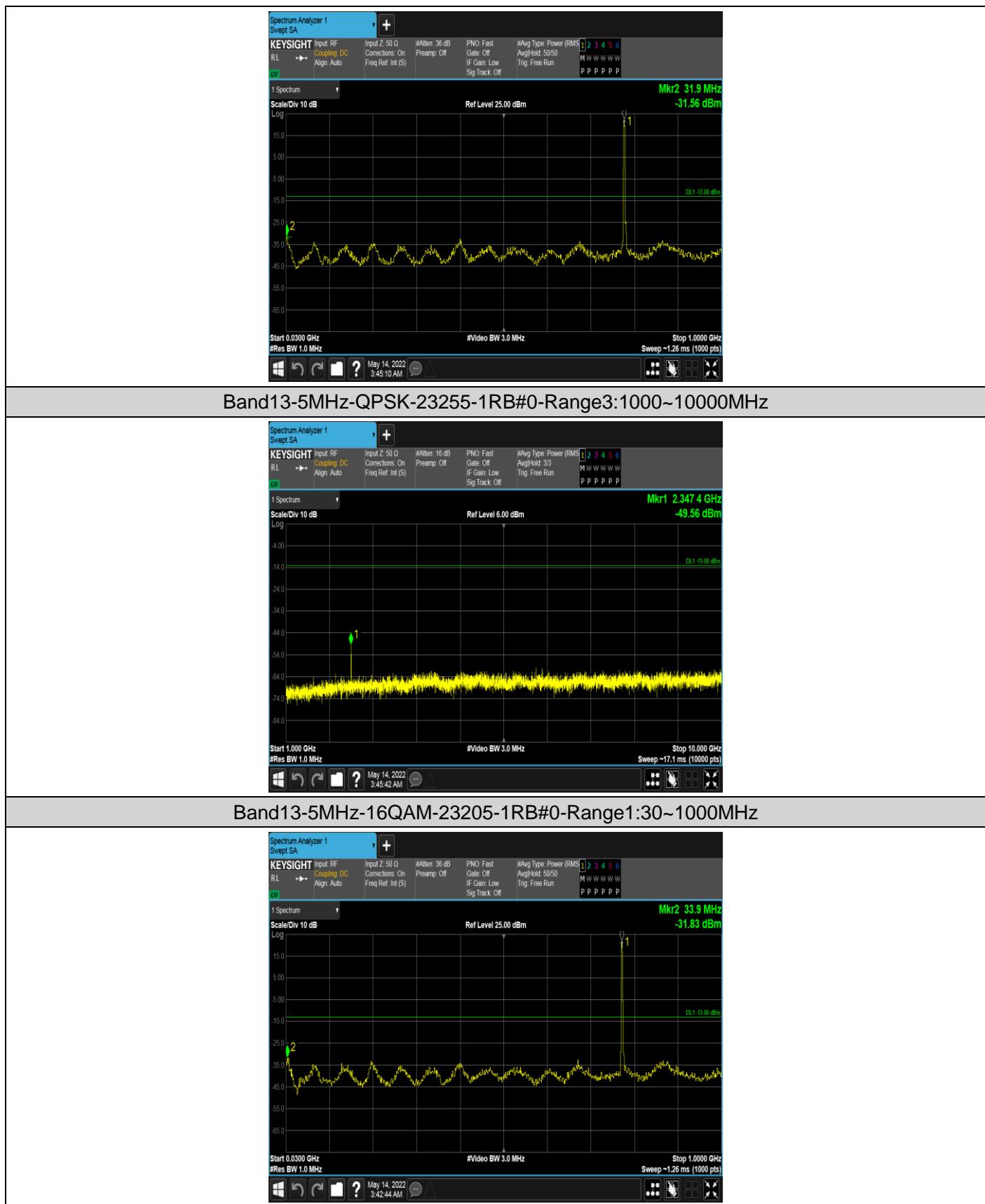
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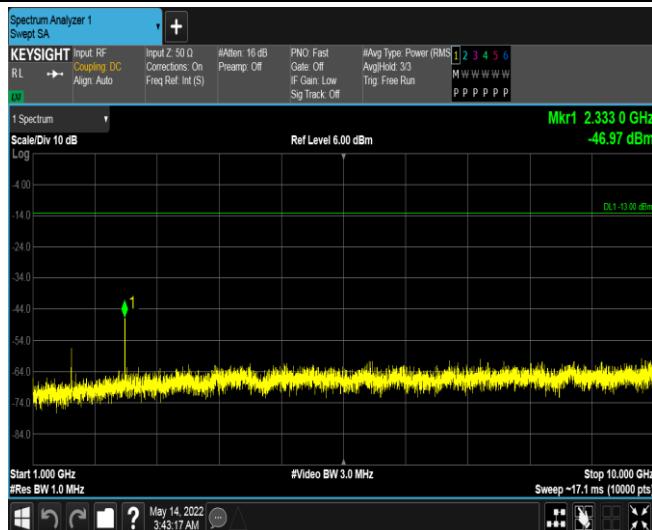
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### Band13-5MHz-16QAM-23205-1RB#0-Range2:30~1000MHz



### Band13-5MHz-16QAM-23205-1RB#0-Range3:1000~10000MHz



### Band13-5MHz-16QAM-23230-1RB#0-Range2:30~1000MHz

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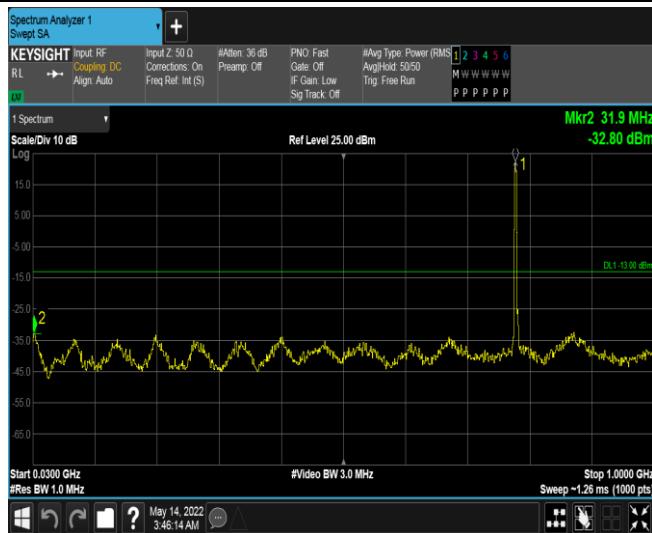
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### Band13-5MHz-16QAM-23255-1RB#0-Range1:30~1000MHz



### Band13-5MHz-16QAM-23255-1RB#0-Range2:30~1000MHz



### Band13-5MHz-16QAM-23255-1RB#0-Range3:1000~10000MHz

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## Band13-10MHz-QPSK-23230-1RB#0-Range3:1000~10000MHz



## Band13-10MHz-16QAM-23230-1RB#0-Range2:30~1000MHz



## Band13-10MHz-16QAM-23230-1RB#0-Range1:30~1000MHz

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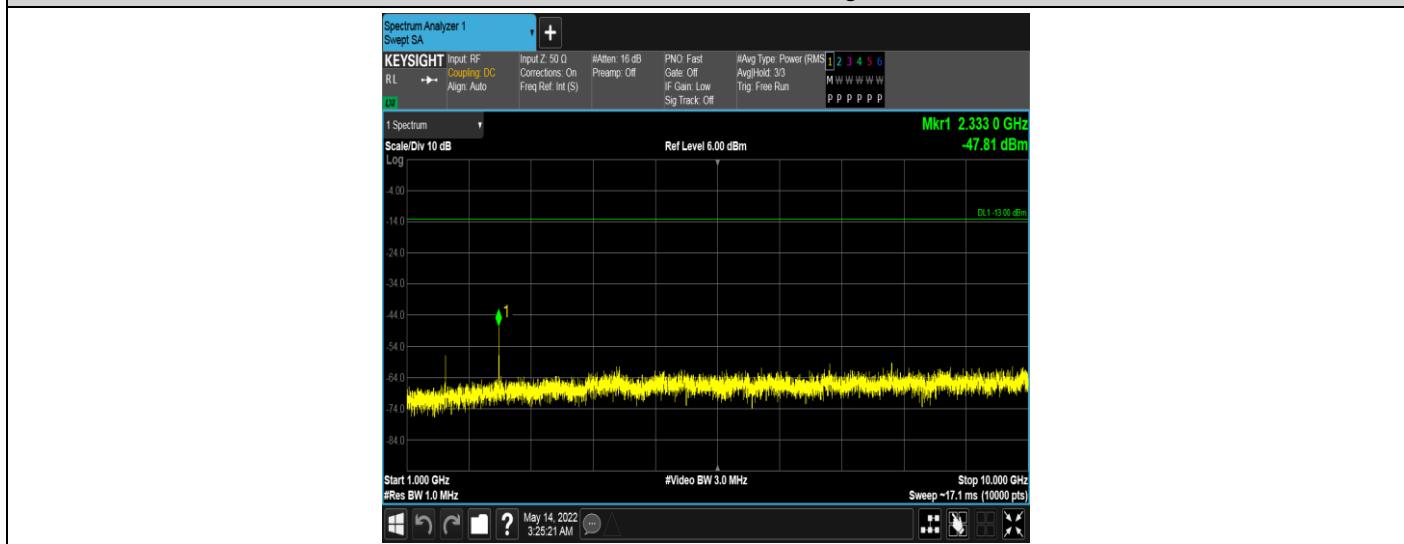
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Band13-10MHz-16QAM-23230-1RB#0-R-Range3:1000~10000MHz



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## Appendix F: Frequency Stability

### Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	-2.68	-0.003438	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	-2.47	-0.003169	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	-3.86	-0.004952	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	-2.10	-0.002685	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	-1.66	-0.002123	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	-2.63	-0.003363	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	3.73	0.004755	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	2.16	0.002753	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	-2.12	-0.002702	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	-4.09	-0.005247	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	1.65	0.002117	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	-1.32	-0.001693	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	-1.20	-0.001535	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	2.19	0.002801	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	-5.42	-0.006931	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	2.76	0.003518	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	2.96	0.003773	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	3.58	0.004563	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-2.72	-0.003478	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-4.55	-0.005818	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-4.05	-0.005179	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	-4.08	-0.005217	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	-2.39	-0.003056	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	-3.48	-0.004450	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	-4.69	-0.006017	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	-2.15	-0.002758	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-5.15	-0.006607	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-3.55	-0.004554	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	2.60	0.003335	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	1.99	0.002545	±2.5	PASS

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Band13	5MHz	QPSK	23230	25RB#0	NV	-20	-3.65	-0.004668	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	-5.18	-0.006624	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	1.85	0.002366	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	2.20	0.002813	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	3.82	0.004869	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	2.55	0.003250	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	-1.52	-0.001938	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	1.75	0.002231	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	2.92	0.003722	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	-4.23	-0.005427	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-5.29	-0.006786	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	1.50	0.001924	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-5.11	-0.006555	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	-2.29	-0.002938	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	2.72	0.003478	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	-4.66	-0.005959	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	2.43	0.003107	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	-4.33	-0.005537	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	-3.53	-0.004514	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	3.08	0.003926	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	1.46	0.001861	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	2.60	0.003314	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	2.82	0.003595	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	-2.56	-0.003263	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	1.40	0.001790	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	2.05	0.002621	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-2.42	-0.003095	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-2.16	-0.002762	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-4.96	-0.006343	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	-4.45	-0.005691	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	-2.66	-0.003402	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	-2.36	-0.003018	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	-2.16	-0.002762	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	-4.81	-0.006151	±2.5	PASS

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## Appendix G: Modulation Characteristics

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band13	5MHz	QPSK	23205	25RB#0	PASS	PASS
Band13	5MHz	QPSK	23230	25RB#0	PASS	PASS
Band13	5MHz	QPSK	23255	25RB#0	PASS	PASS
Band13	5MHz	16QAM	23205	25RB#0	PASS	PASS
Band13	5MHz	16QAM	23230	25RB#0	PASS	PASS
Band13	5MHz	16QAM	23255	25RB#0	PASS	PASS

### Test Graphs

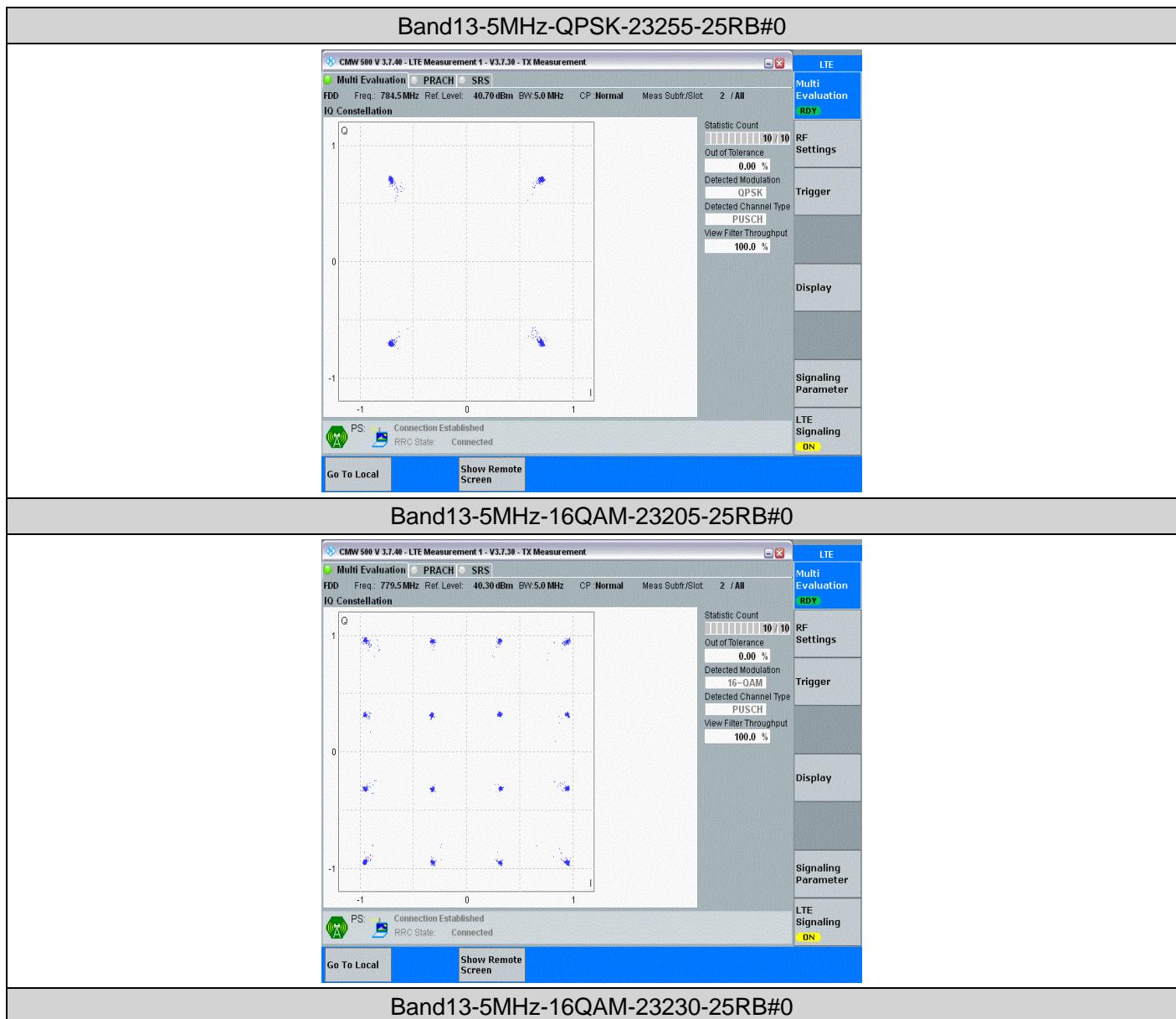


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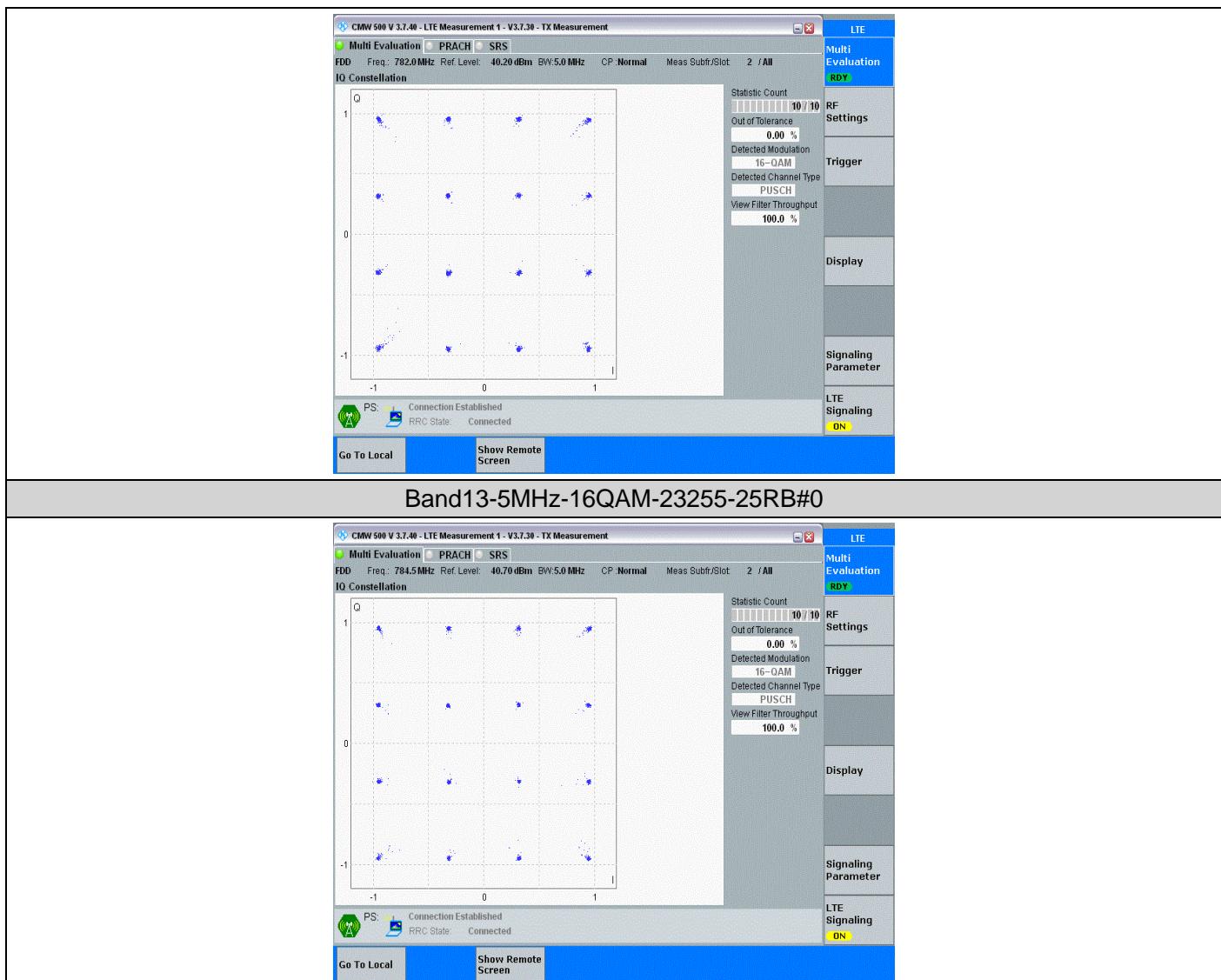


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