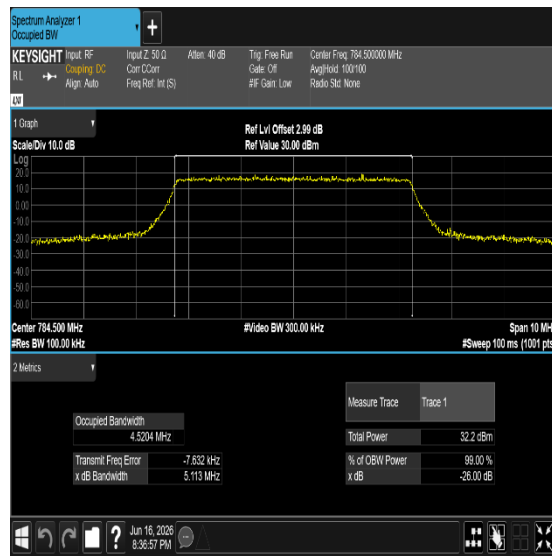
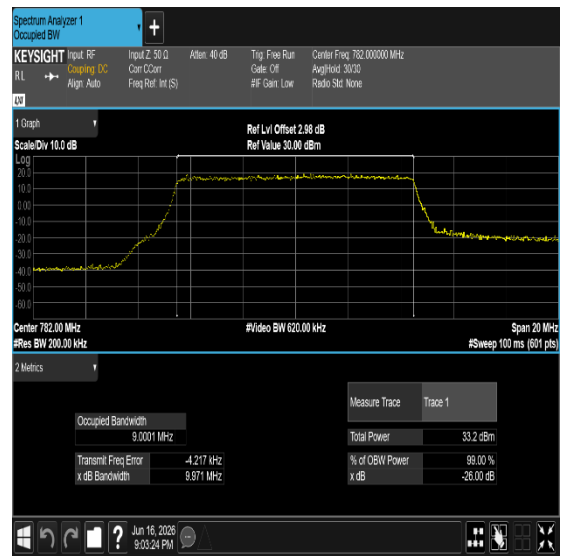


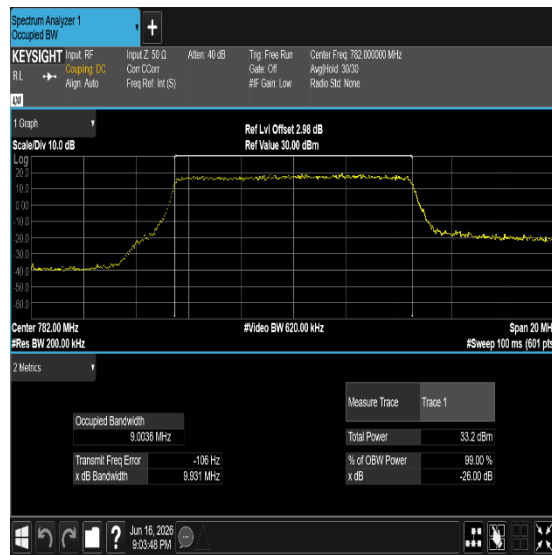
Band13-5MHz-16QAM-23255-25RB#0-PASS



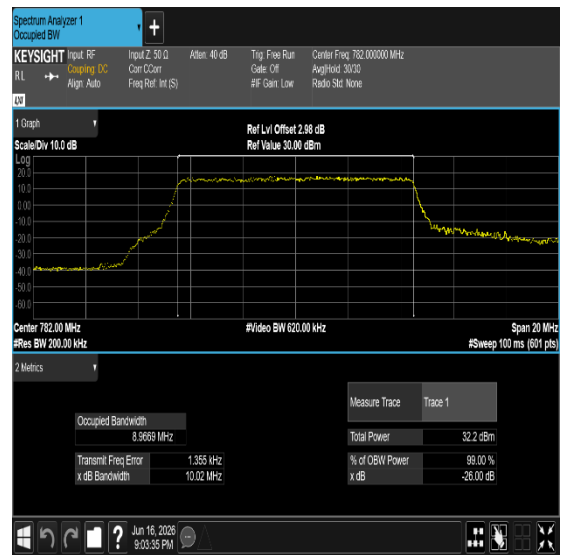
Band13-10MHz-QPSK-23230-50RB#0-PASS



Band13-10MHz-64QAM-23230-50RB#0-PASS



Band13-10MHz-16QAM-23230-50RB#0-PASS

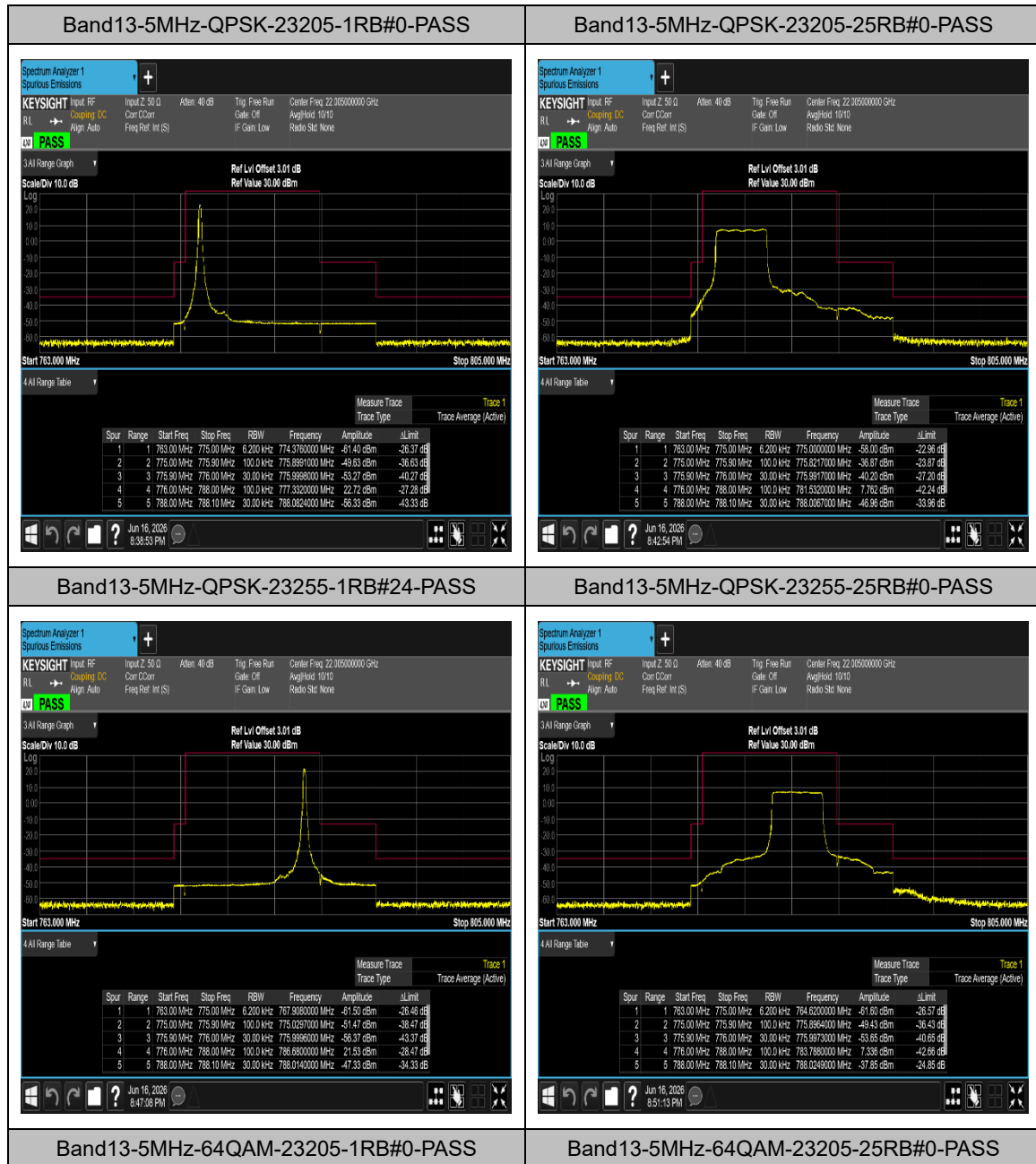


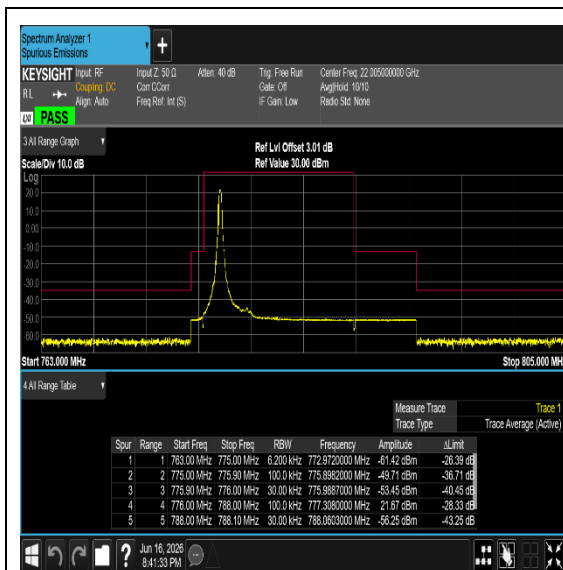
Band Edge

Test Result

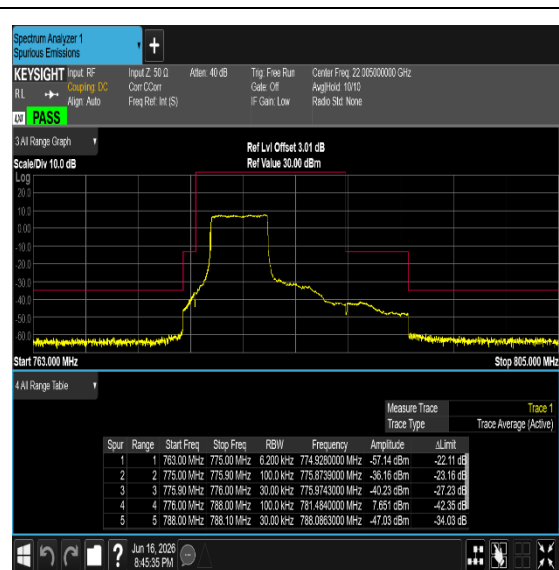
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-60.74	PASS
Band13	5MHz	QPSK	23205	25RB#0	-57.90	PASS
Band13	5MHz	QPSK	23255	1RB#24	-61.15	PASS
Band13	5MHz	QPSK	23255	25RB#0	-53.05	PASS
Band13	5MHz	64QAM	23205	1RB#0	-61.02	PASS
Band13	5MHz	64QAM	23205	25RB#0	-57.14	PASS
Band13	5MHz	64QAM	23255	1RB#24	-61.09	PASS
Band13	5MHz	64QAM	23255	25RB#0	-52.72	PASS
Band13	5MHz	16QAM	23205	1RB#0	-61.51	PASS
Band13	5MHz	16QAM	23205	25RB#0	-58.09	PASS
Band13	5MHz	16QAM	23255	1RB#24	-60.50	PASS
Band13	5MHz	16QAM	23255	25RB#0	-53.83	PASS
Band13	10MHz	QPSK	23230	1RB#0	-60.78	PASS
Band13	10MHz	QPSK	23230	1RB#49	-60.43	PASS
Band13	10MHz	QPSK	23230	50RB#0	-47.43	PASS
Band13	10MHz	64QAM	23230	1RB#0	-72.62	PASS
Band13	10MHz	64QAM	23230	1RB#49	-70.11	PASS
Band13	10MHz	64QAM	23230	50RB#0	-47.04	PASS
Band13	10MHz	16QAM	23230	1RB#0	-60.97	PASS
Band13	10MHz	16QAM	23230	1RB#49	-60.40	PASS
Band13	10MHz	16QAM	23230	50RB#0	-49.60	PASS

Test Graphs

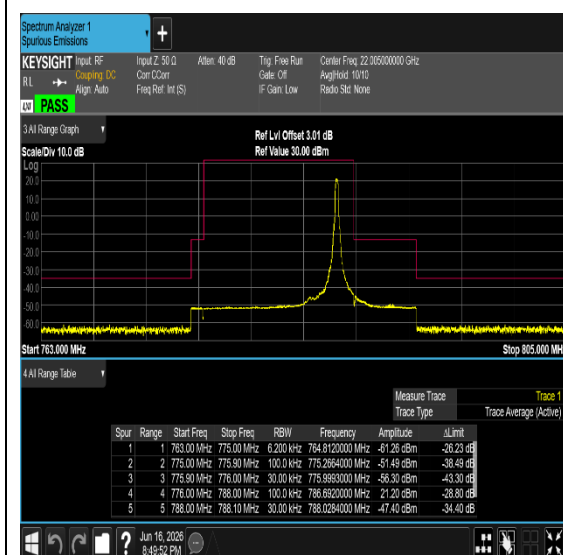




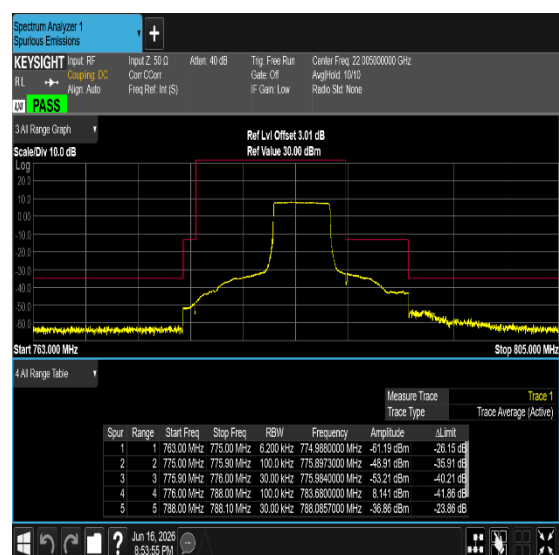
Band13-5MHz-64QAM-23255-1RB#24-PASS



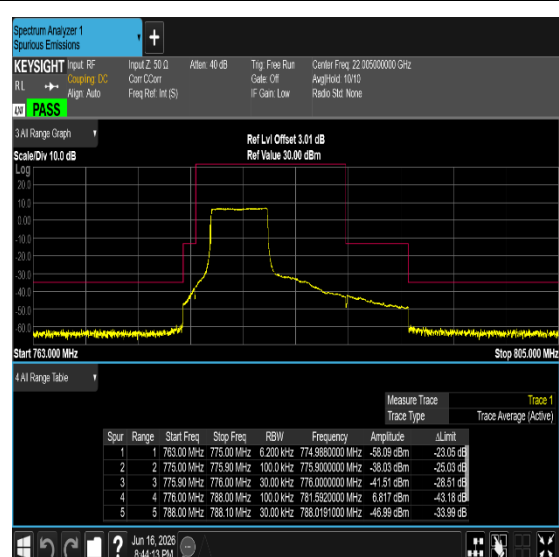
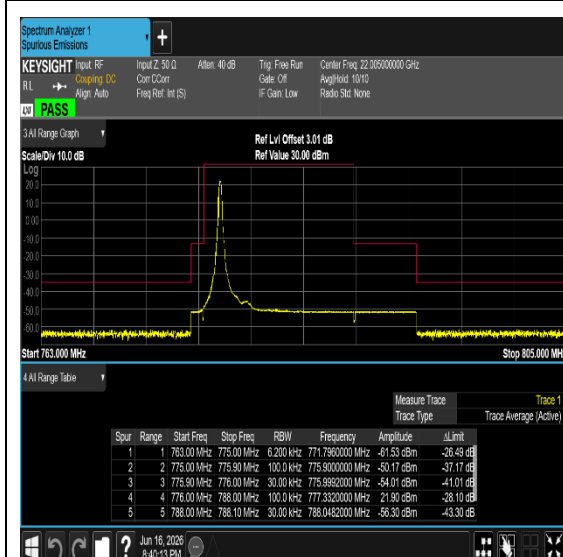
Band13-5MHz-64QAM-23255-25RB#0-PASS



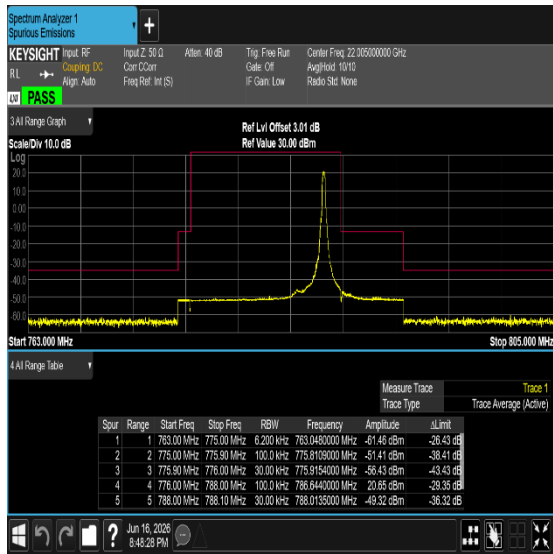
Band13-5MHz-16QAM-23205-1RB#0-PASS



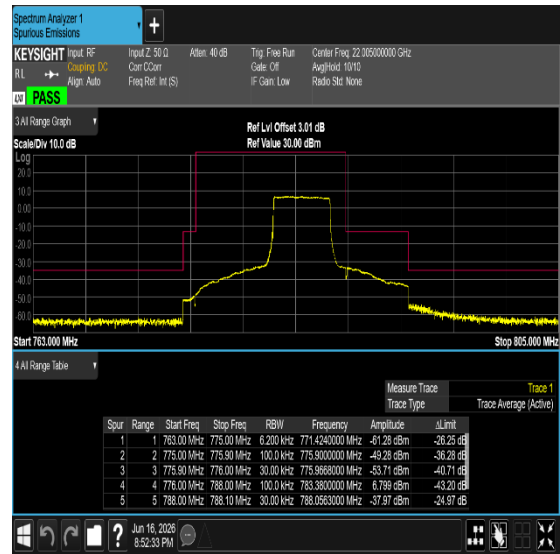
Band13-5MHz-16QAM-23205-25RB#0-PASS



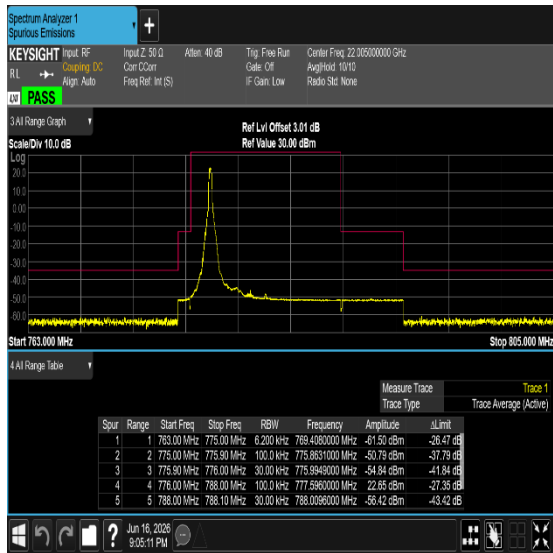
Band13-5MHz-16QAM-23255-1RB#24-PASS



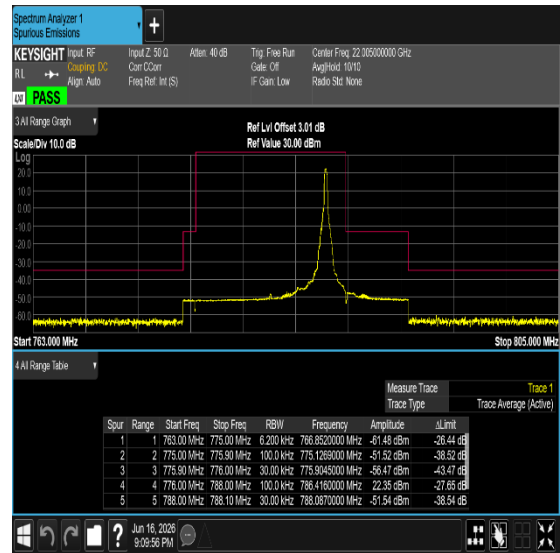
Band13-5MHz-16QAM-23255-25RB#0-PASS



Band13-10MHz-QPSK-23230-1RB#0-PASS

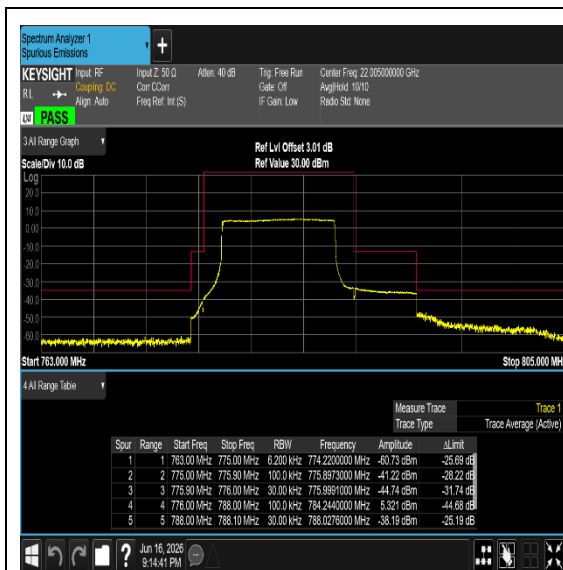


Band13-10MHz-QPSK-23230-1RB#49-PASS

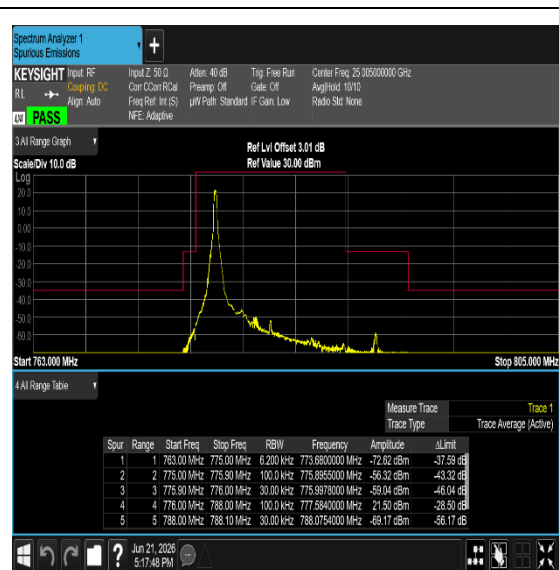


Band13-10MHz-QPSK-23230-50RB#0-PASS

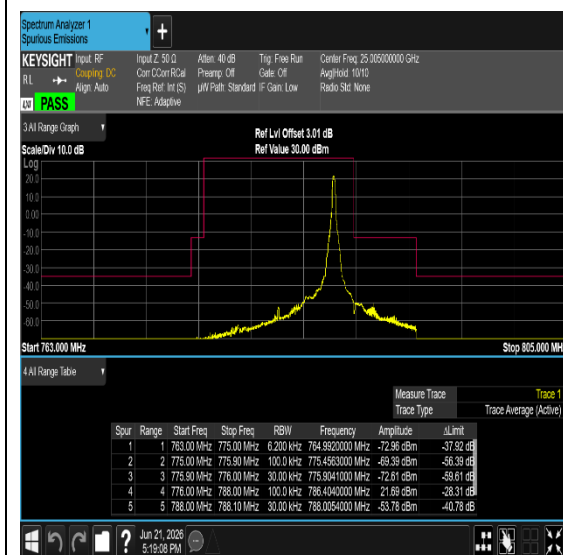
Band13-10MHz-64QAM-23230-1RB#0-PASS



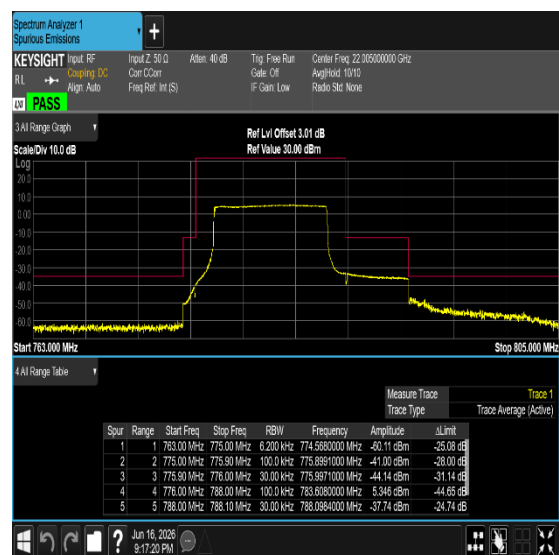
Band13-10MHz-64QAM-23230-1RB#49-PASS



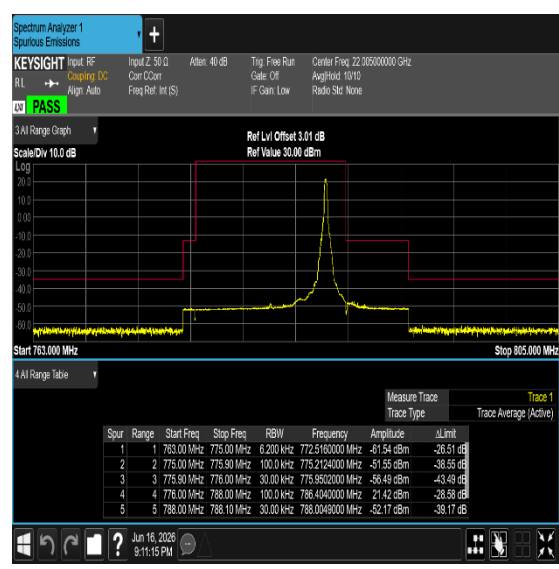
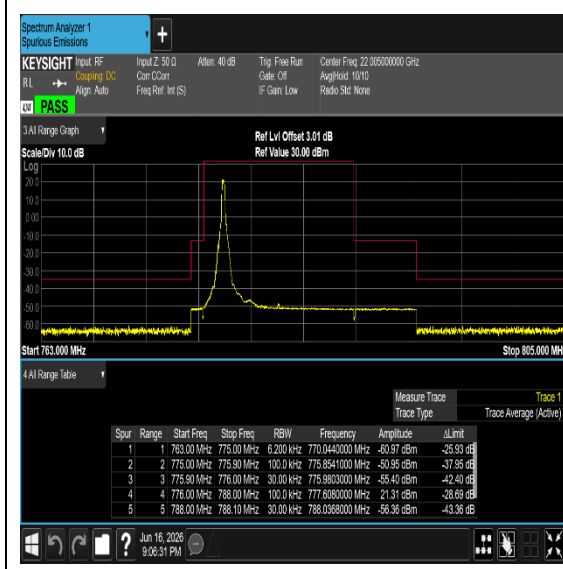
Band13-10MHz-64QAM-23230-50RB#0-PASS



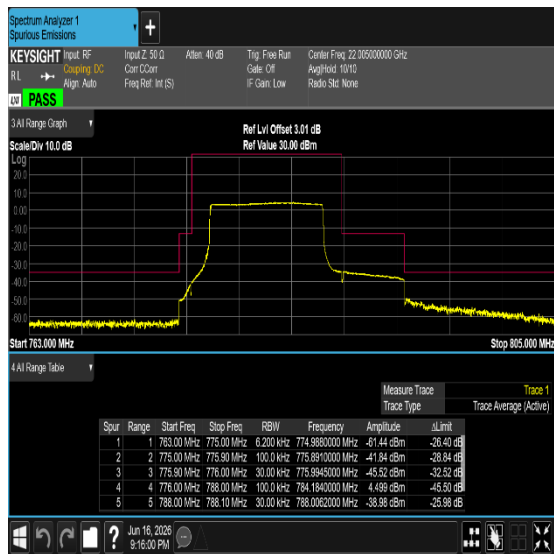
Band13-10MHz-16QAM-23230-1RB#0-PASS



Band13-10MHz-16QAM-23230-1RB#49-PASS



Band13-10MHz-16QAM-23230-50RB#0-PASS

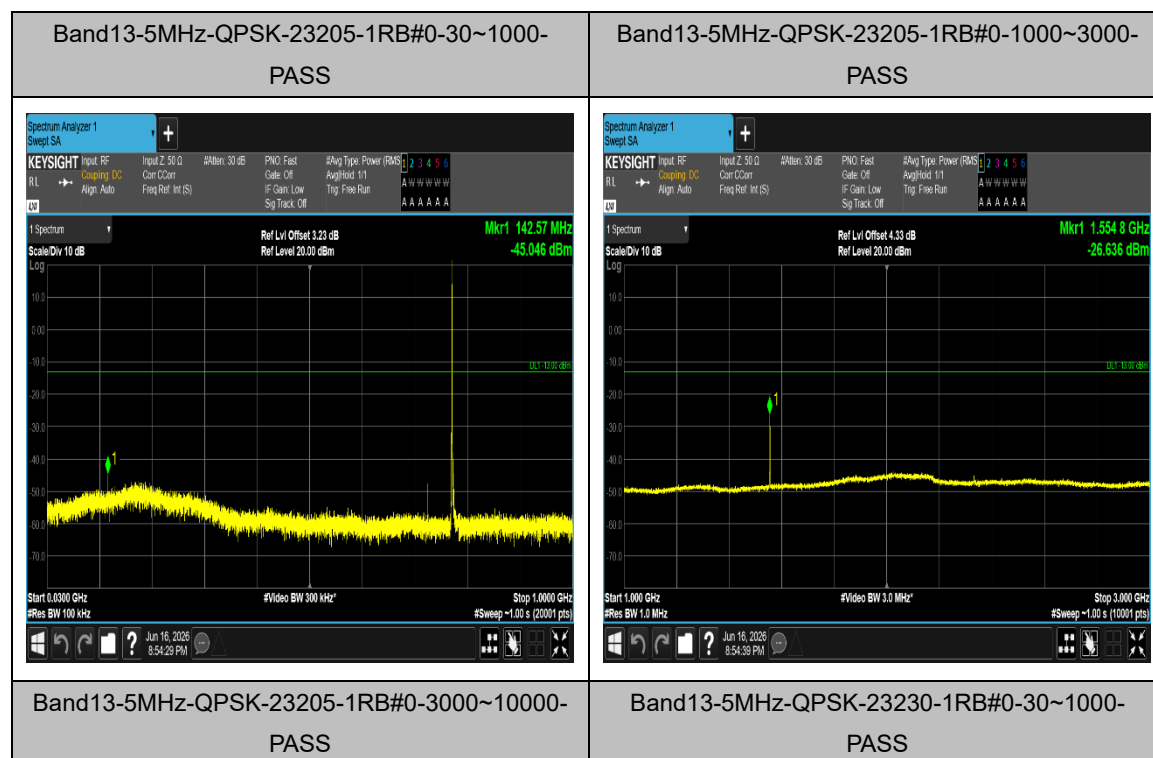


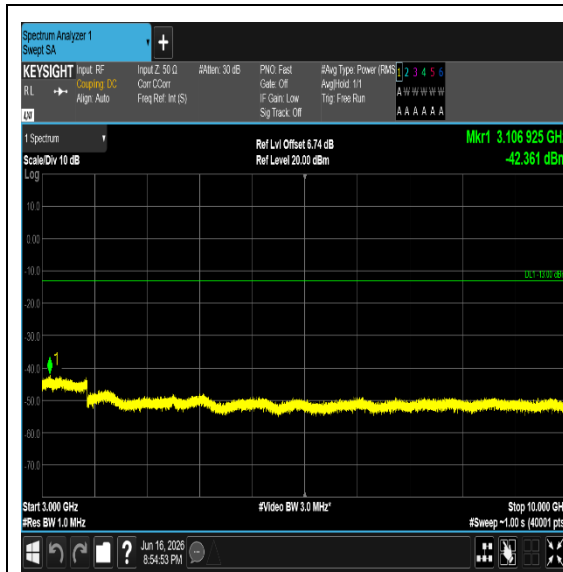
Conducted Spurious Emission

Test Result

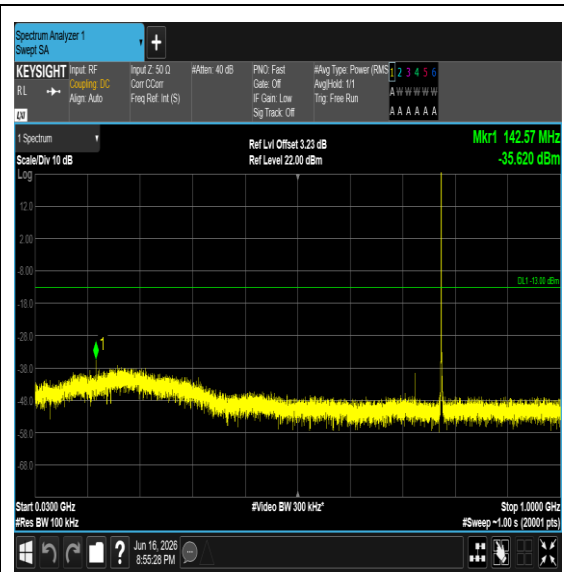
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-45.05	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-26.64	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-42.36	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-35.62	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-26.47	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-32.95	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-37.36	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-26.90	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-42.33	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-45.91	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-27.09	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-42.69	PASS

Test Graphs

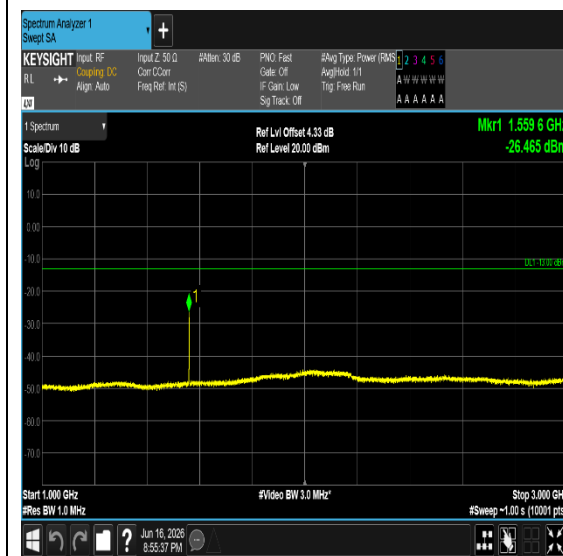




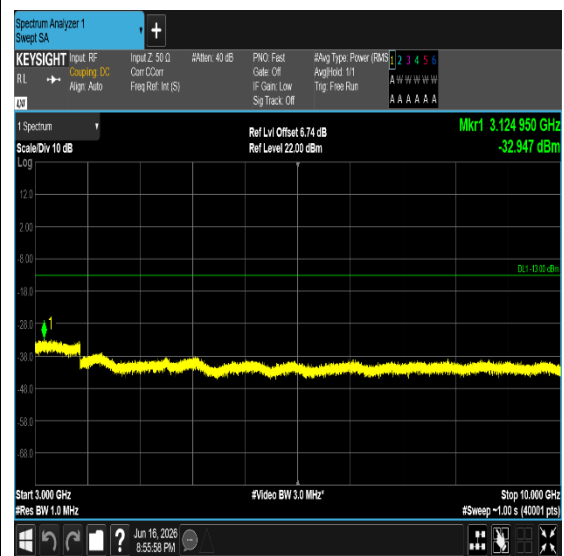
Band13-5MHz-QPSK-23230-1RB#0-1000~3000-
PASS



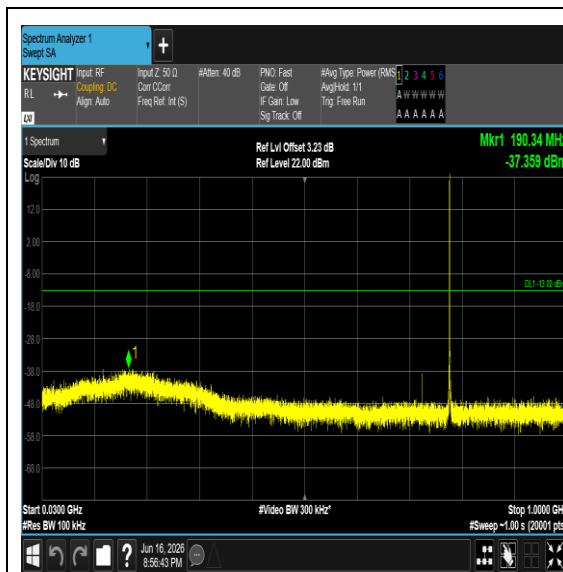
Band13-5MHz-QPSK-23230-1RB#0-3000~10000-
PASS



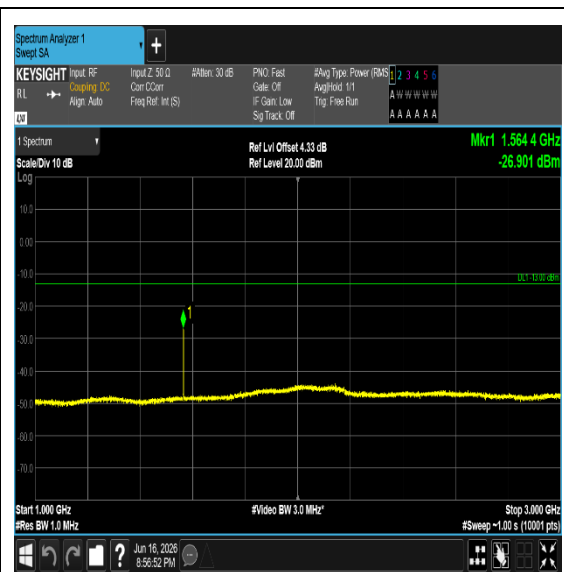
Band13-5MHz-QPSK-23255-1RB#0-30~1000-
PASS



Band13-5MHz-QPSK-23255-1RB#0-1000~3000-
PASS



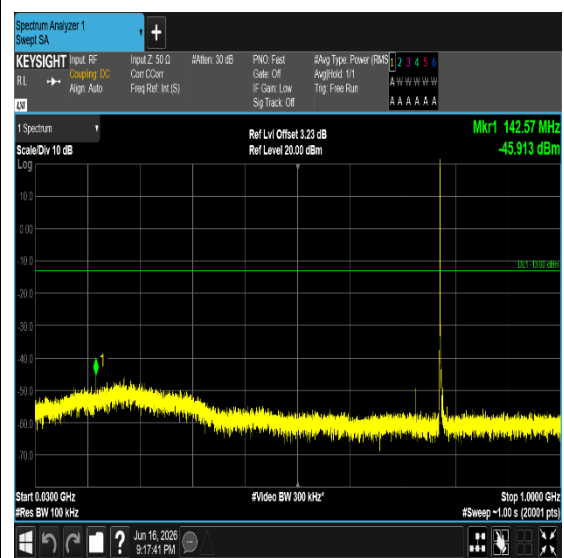
Band13-5MHz-QPSK-23255-1RB#0-3000~10000-
PASS



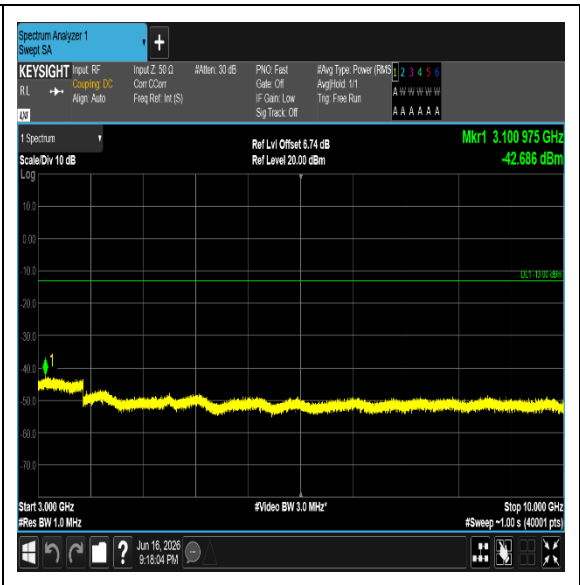
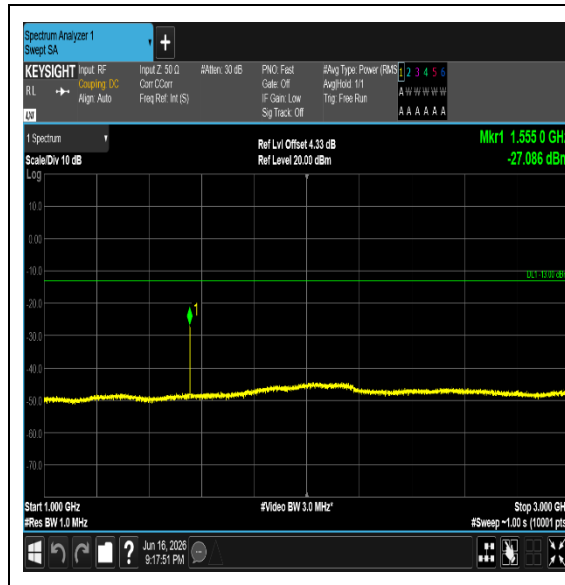
Band13-10MHz-QPSK-23230-1RB#0-30~1000-
PASS



Band13-10MHz-QPSK-23230-1RB#0-1000~3000-
PASS



Band13-10MHz-QPSK-23230-1RB#0-3000~10000-
PASS



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	VN	NT	5.49	0.007047	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	4.49	0.005760	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	6.09	0.007810	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	12.01	0.015311	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	12.89	0.016435	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	8.77	0.011185	±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	3.89	0.004985	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	4.71	0.006041	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	1.68	0.002155	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	7.41	0.009506	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	3.61	0.004633	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	2.20	0.002822	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	4.44	0.005695	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	3.55	0.004557	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	8.51	0.010917	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	4.31	0.005496	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	7.01	0.008940	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	2.47	0.003155	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	13.54	0.017258	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	0.60	0.000760	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	3.46	0.004412	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	4.81	0.006130	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	3.34	0.004264	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	22.92	0.029219	±2.5	PASS

LTE BAND 71

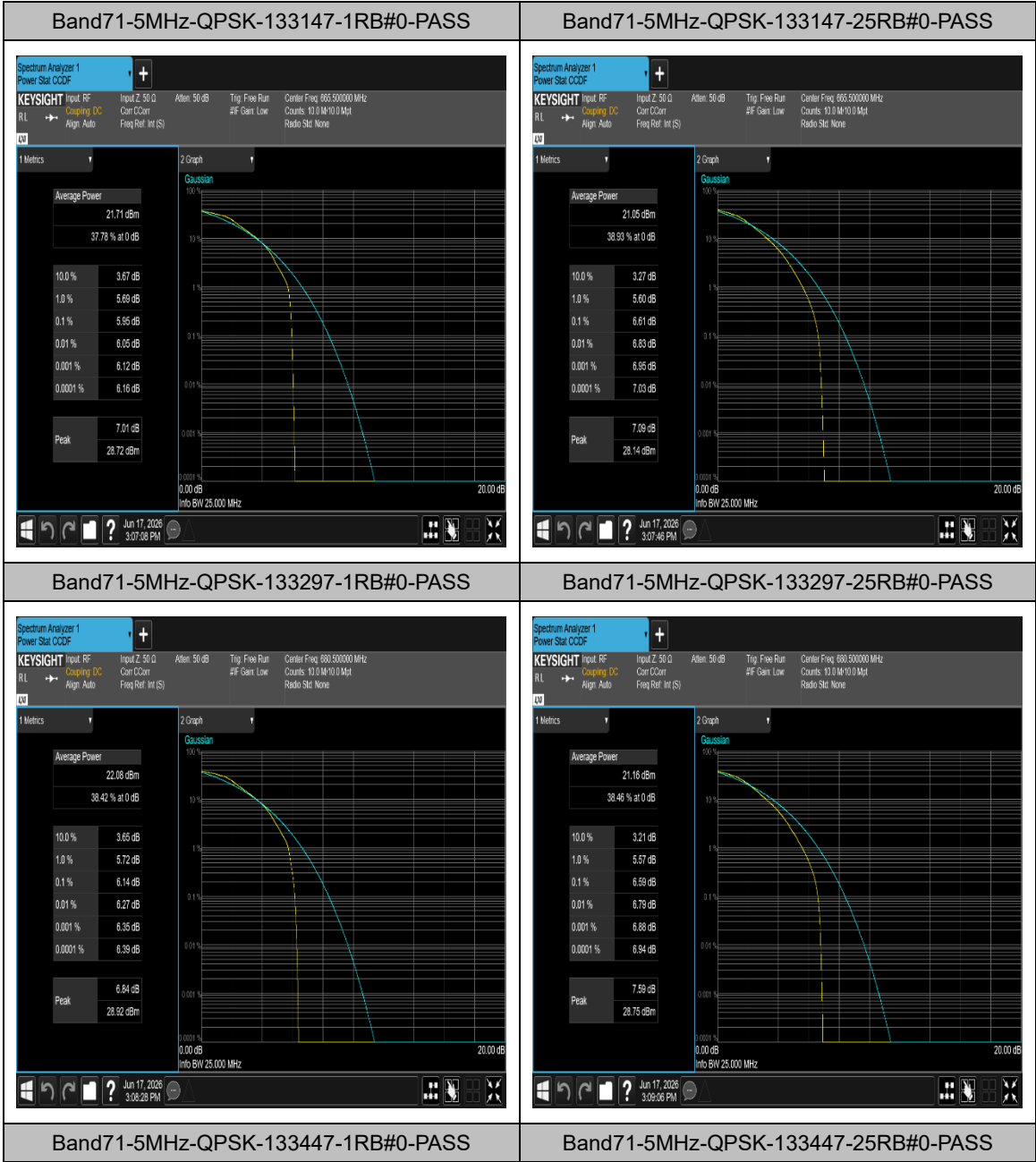
Peak-to-Average Ratio(CCDF)

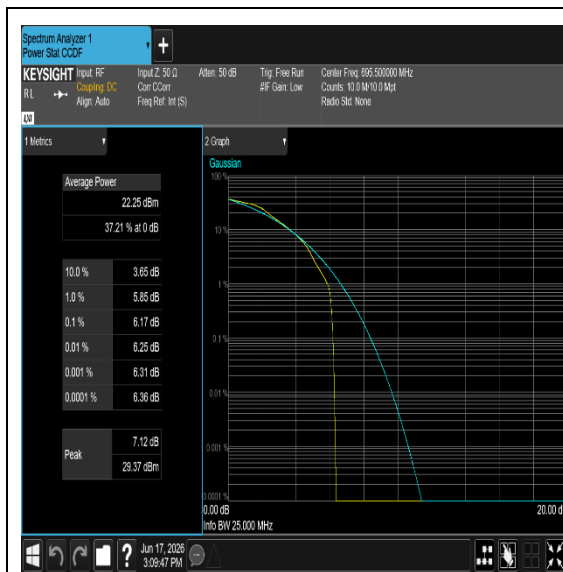
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	5.95	13	PASS
Band71	5MHz	QPSK	133147	25RB#0	6.61	13	PASS
Band71	5MHz	QPSK	133297	1RB#0	6.14	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	6.59	13	PASS
Band71	5MHz	QPSK	133447	1RB#0	6.17	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	6.71	13	PASS
Band71	5MHz	64QAM	133147	1RB#0	5.87	13	PASS
Band71	5MHz	64QAM	133147	25RB#0	6.67	13	PASS
Band71	5MHz	64QAM	133297	1RB#0	6.06	13	PASS
Band71	5MHz	64QAM	133297	25RB#0	6.60	13	PASS
Band71	5MHz	64QAM	133447	1RB#0	6.20	13	PASS
Band71	5MHz	64QAM	133447	25RB#0	6.70	13	PASS
Band71	5MHz	16QAM	133147	1RB#0	6.59	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	7.22	13	PASS
Band71	5MHz	16QAM	133297	1RB#0	6.88	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	7.20	13	PASS
Band71	5MHz	16QAM	133447	1RB#0	6.85	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	7.28	13	PASS
Band71	10MHz	QPSK	133172	1RB#0	4.02	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.02	13	PASS
Band71	10MHz	QPSK	133297	1RB#0	4.72	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.00	13	PASS
Band71	10MHz	QPSK	133422	1RB#0	5.32	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.14	13	PASS
Band71	10MHz	64QAM	133172	1RB#0	5.26	13	PASS
Band71	10MHz	64QAM	133172	50RB#0	5.04	13	PASS
Band71	10MHz	64QAM	133297	1RB#0	5.39	13	PASS
Band71	10MHz	64QAM	133297	50RB#0	4.98	13	PASS
Band71	10MHz	64QAM	133422	1RB#0	5.28	13	PASS
Band71	10MHz	64QAM	133422	50RB#0	5.11	13	PASS
Band71	10MHz	16QAM	133172	1RB#0	5.77	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	5.90	13	PASS
Band71	10MHz	16QAM	133297	1RB#0	5.93	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	5.84	13	PASS
Band71	10MHz	16QAM	133422	1RB#0	5.80	13	PASS

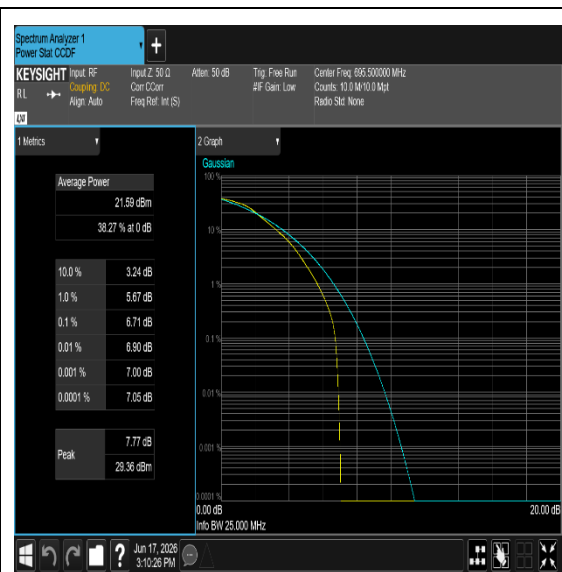
Band71	10MHz	16QAM	133422	50RB#0	5.96	13	PASS
Band71	15MHz	QPSK	133197	1RB#0	4.05	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.82	13	PASS
Band71	15MHz	QPSK	133297	1RB#0	5.45	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.90	13	PASS
Band71	15MHz	QPSK	133397	1RB#0	5.14	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	5.97	13	PASS
Band71	15MHz	64QAM	133197	1RB#0	4.29	13	PASS
Band71	15MHz	64QAM	133197	75RB#0	5.85	13	PASS
Band71	15MHz	64QAM	133297	1RB#0	5.39	13	PASS
Band71	15MHz	64QAM	133297	75RB#0	5.91	13	PASS
Band71	15MHz	64QAM	133397	1RB#0	5.16	13	PASS
Band71	15MHz	64QAM	133397	75RB#0	5.93	13	PASS
Band71	15MHz	16QAM	133197	1RB#0	4.92	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.26	13	PASS
Band71	15MHz	16QAM	133297	1RB#0	5.94	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.26	13	PASS
Band71	15MHz	16QAM	133397	1RB#0	5.63	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	6.24	13	PASS
Band71	20MHz	QPSK	133222	1RB#0	4.01	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.99	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	5.67	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.78	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	5.37	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	6.71	13	PASS
Band71	20MHz	64QAM	133222	1RB#0	5.26	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	5.89	13	PASS
Band71	20MHz	64QAM	133322	1RB#0	5.59	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	5.58	13	PASS
Band71	20MHz	64QAM	133372	1RB#0	6.19	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.76	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	4.77	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.29	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	6.14	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.07	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	6.18	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	7.27	13	PASS

Test Graphs

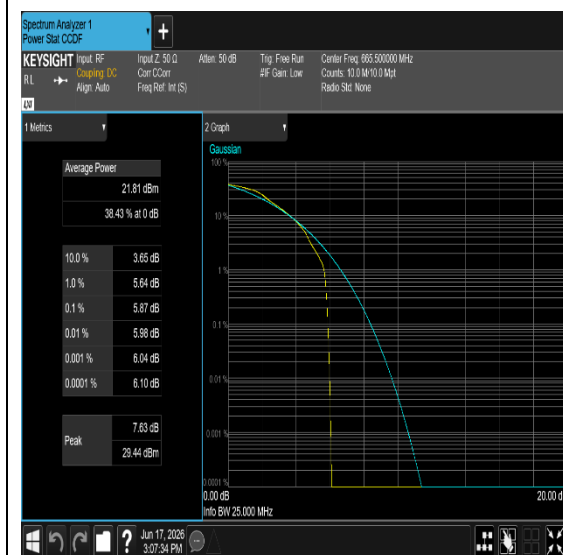




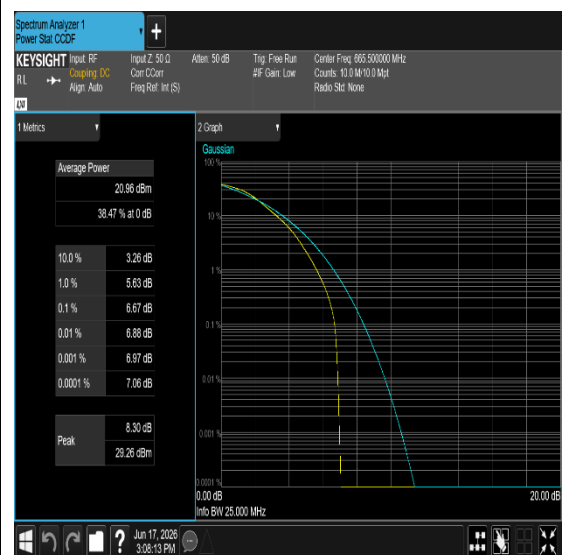
Band71-5MHz-64QAM-133147-1RB#0-PASS



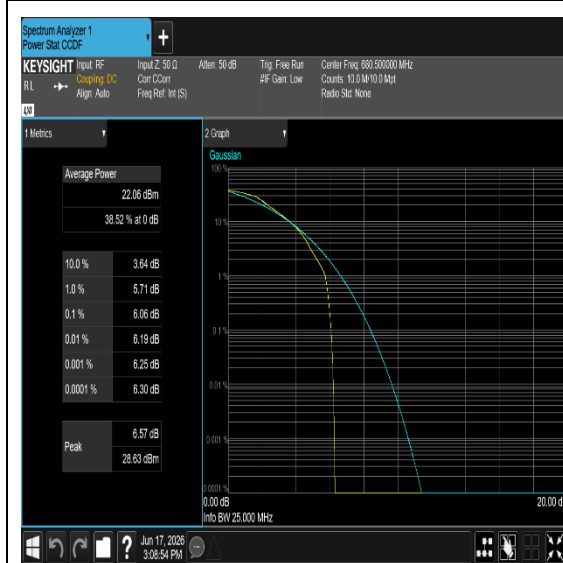
Band71-5MHz-64QAM-133147-25RB#0-PASS



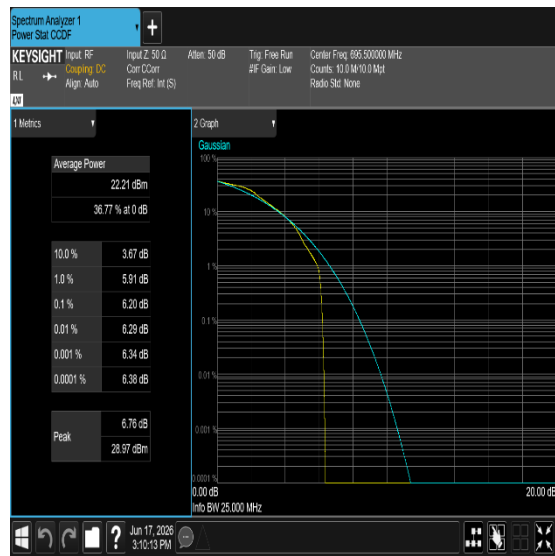
Band71-5MHz-64QAM-133297-1RB#0-PASS



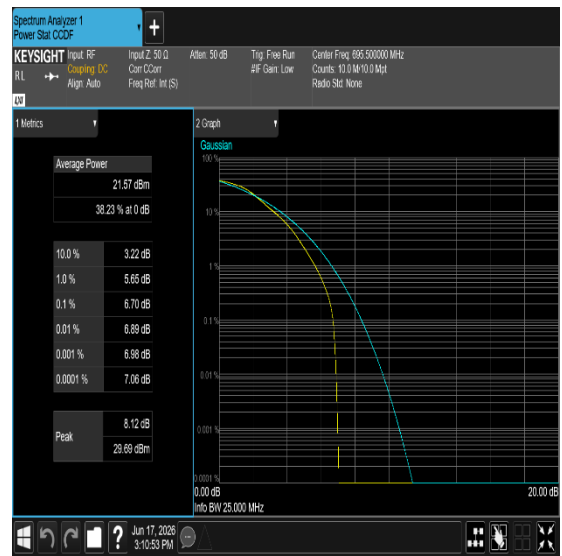
Band71-5MHz-64QAM-133297-25RB#0-PASS



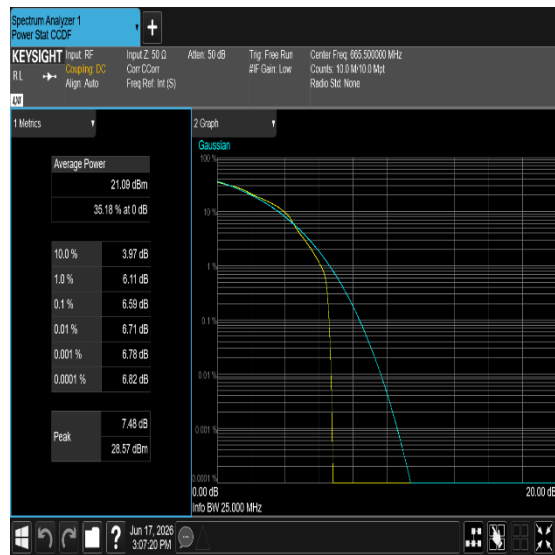
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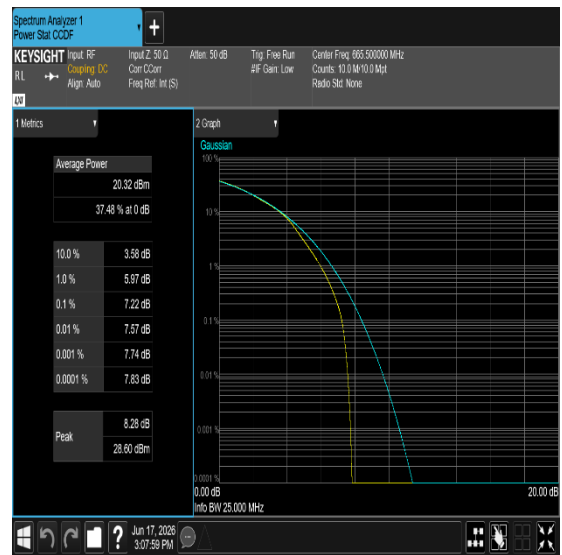
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Band71-5MHz-16QAM-133147-1RB#0-PASS



Band71-5MHz-16QAM-133147-25RB#0-PASS

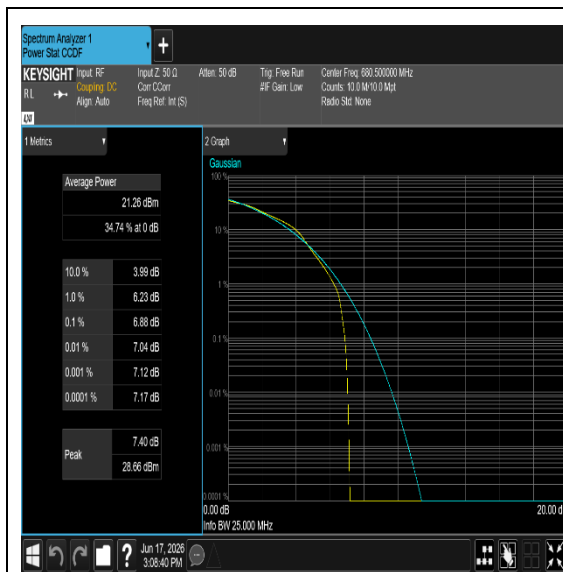


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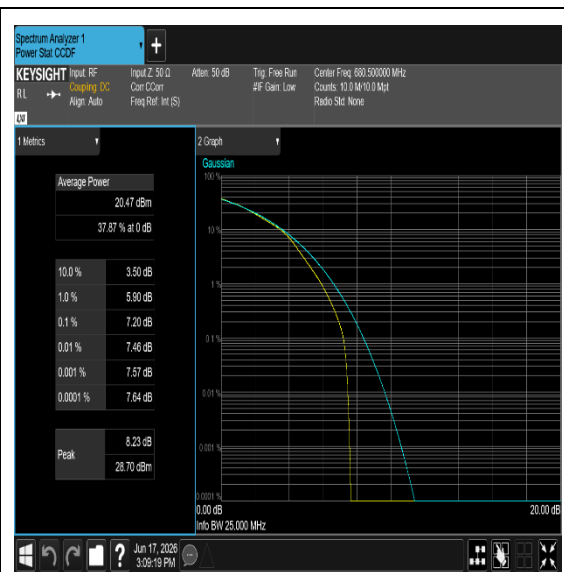


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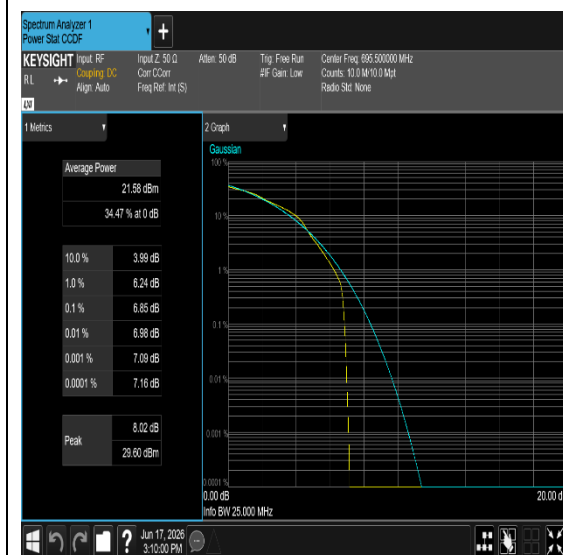




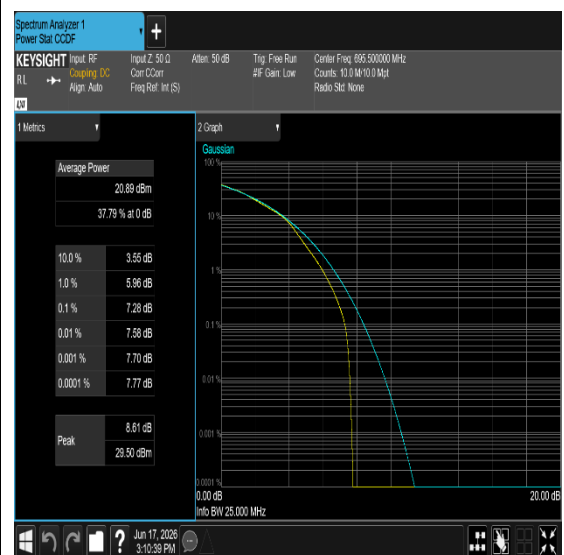
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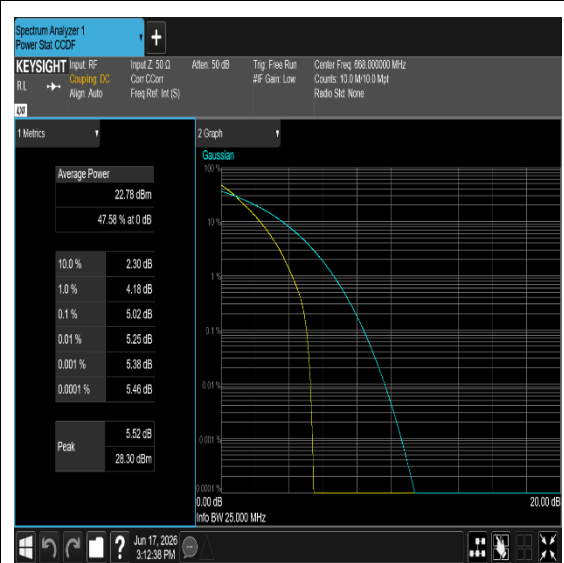
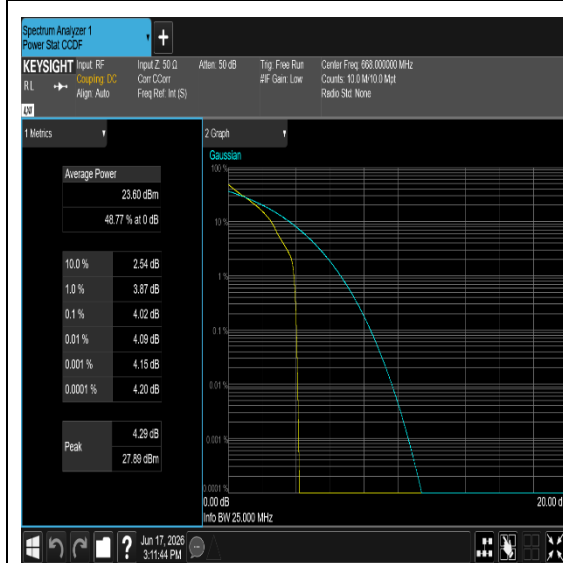
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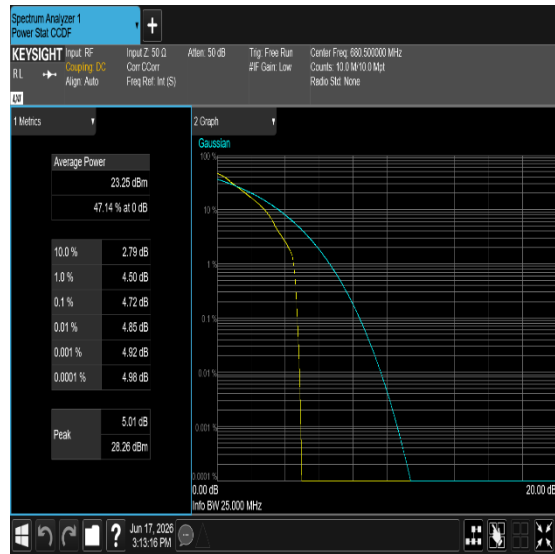
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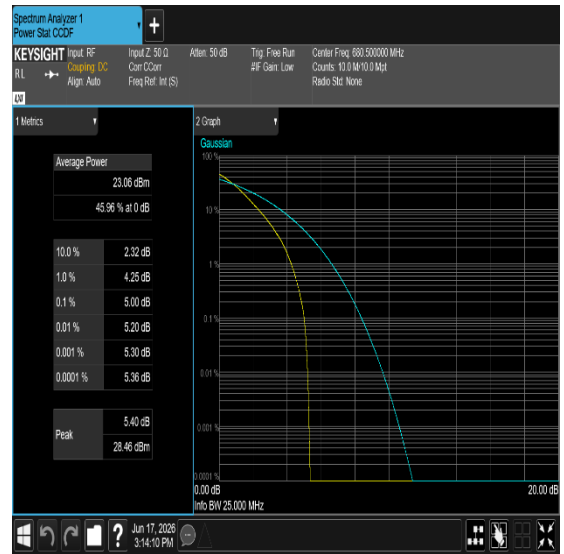
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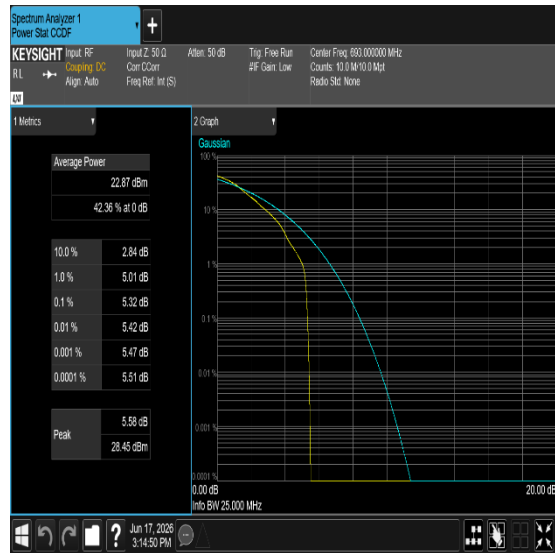
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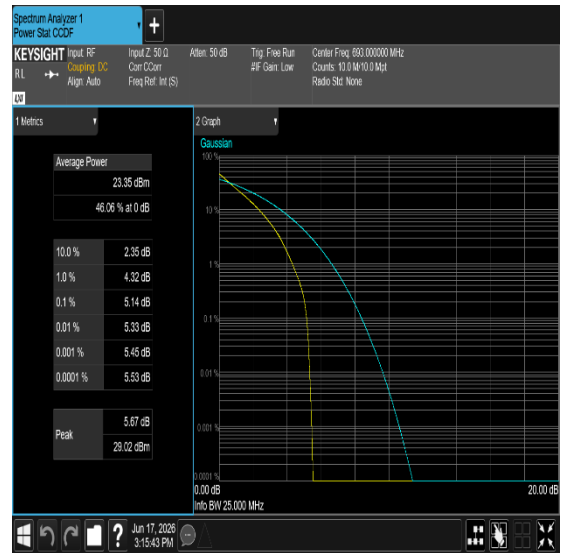
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Band71-10MHz-QPSK-133422-1RB#0-PASS



Band71-10MHz-QPSK-133422-50RB#0-PASS

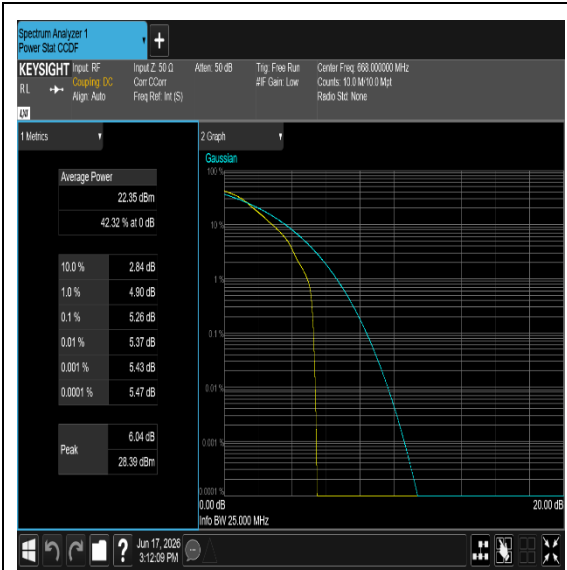


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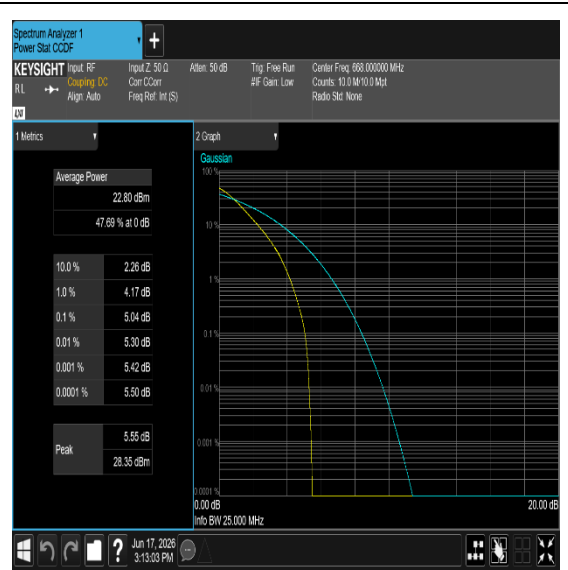


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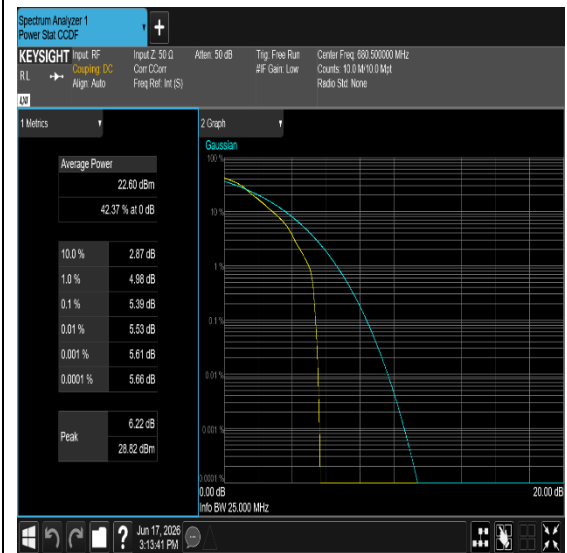




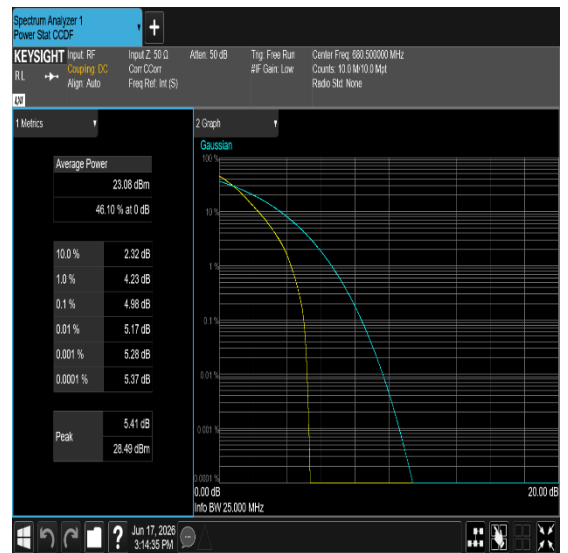
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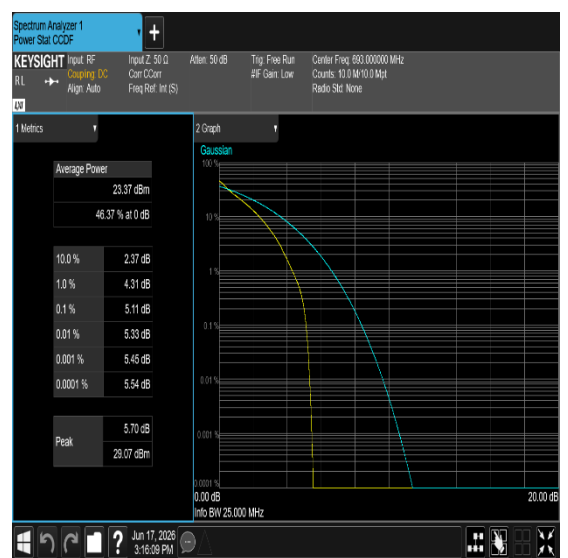
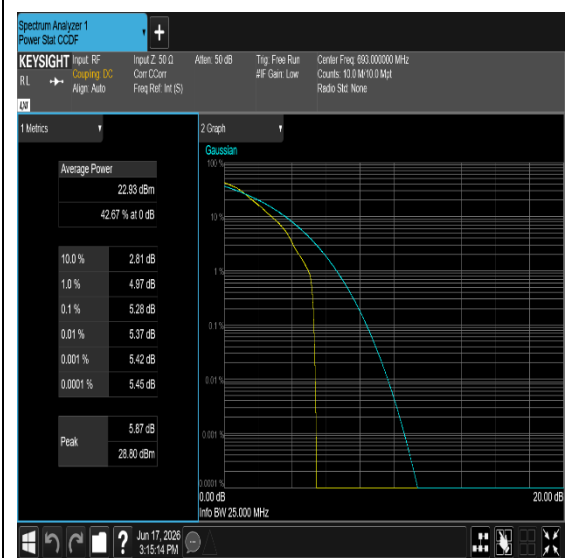
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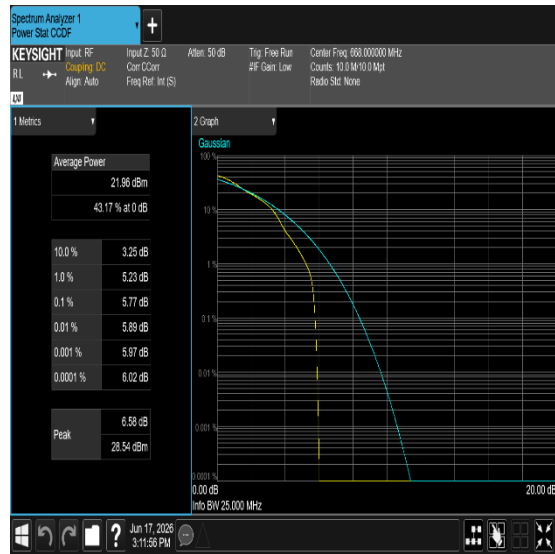
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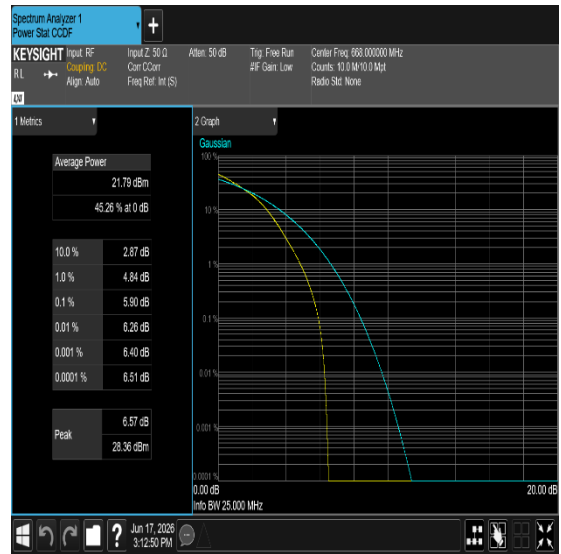
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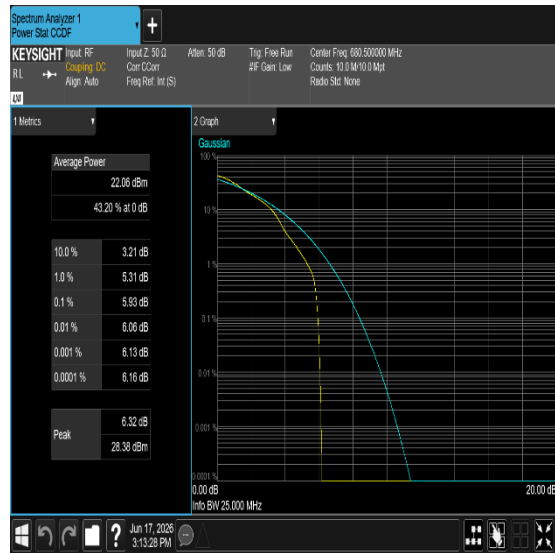
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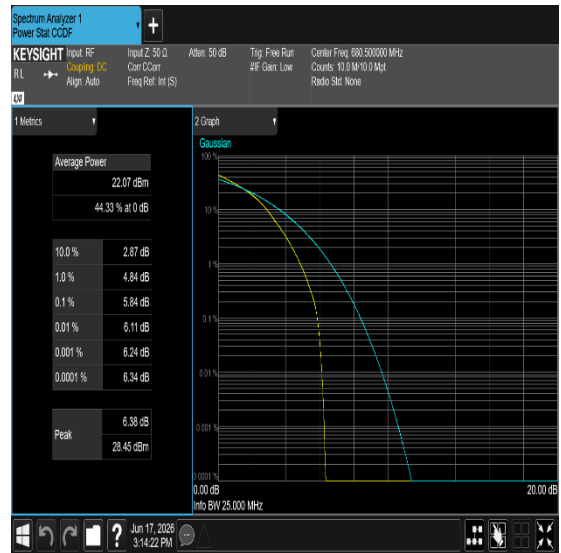
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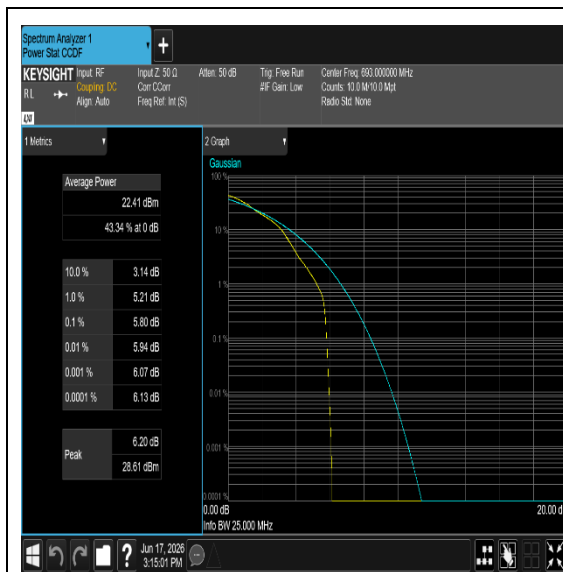


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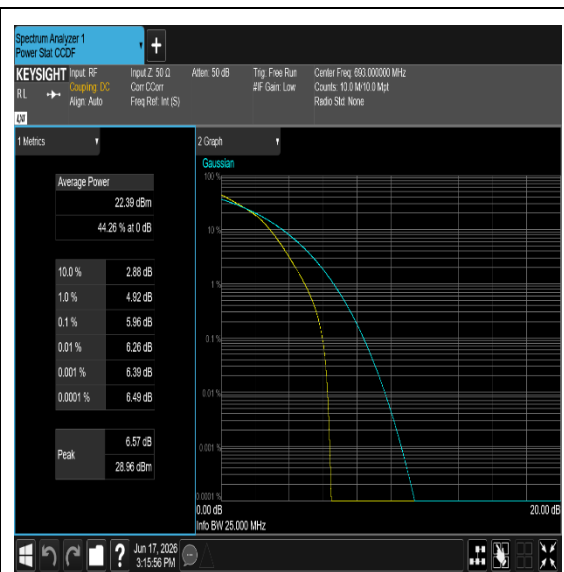


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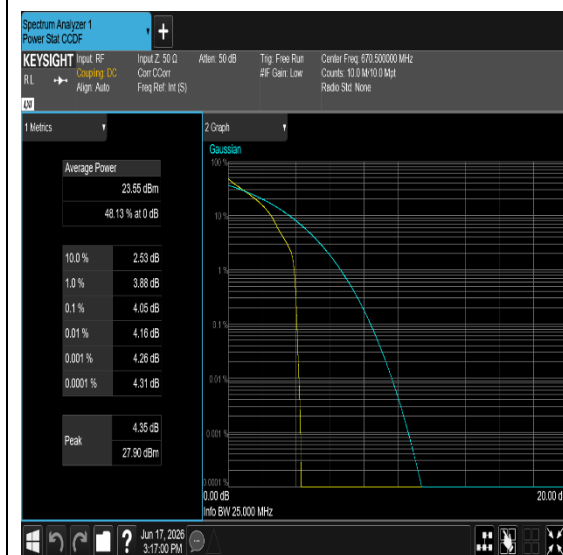




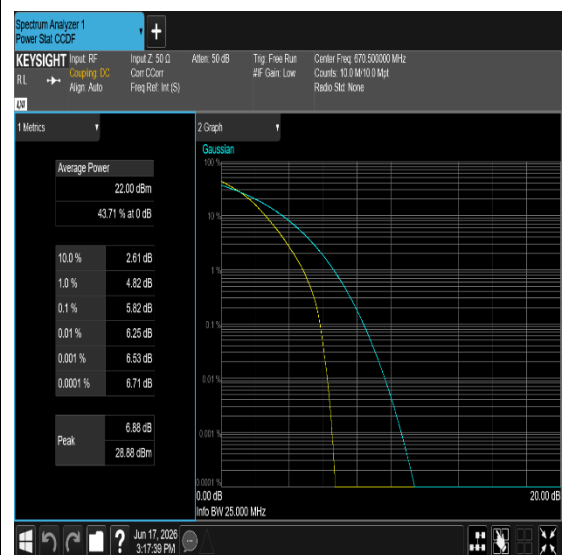
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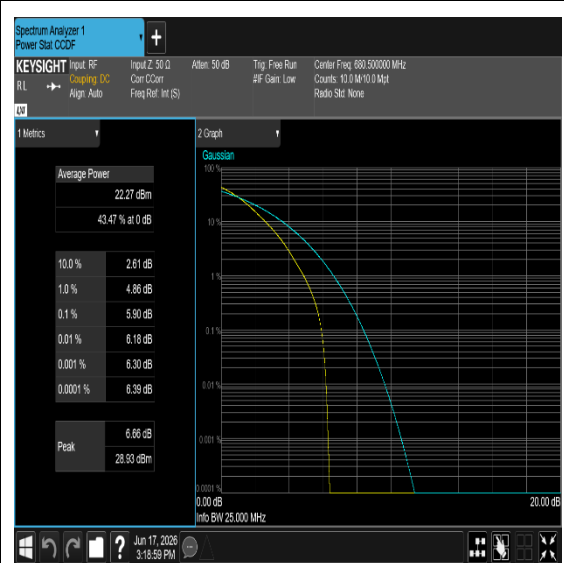
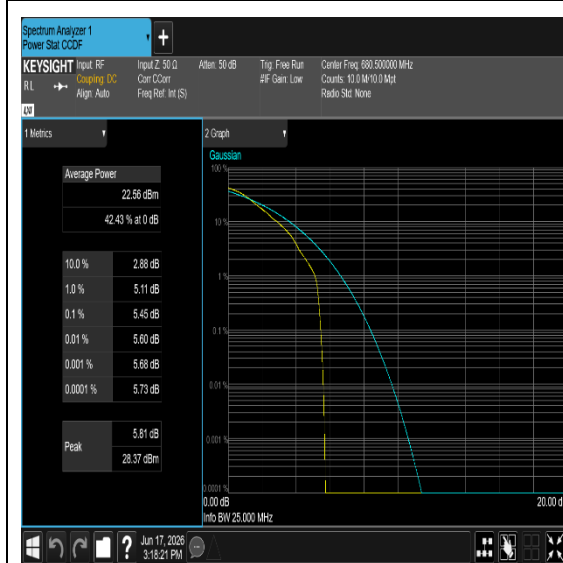
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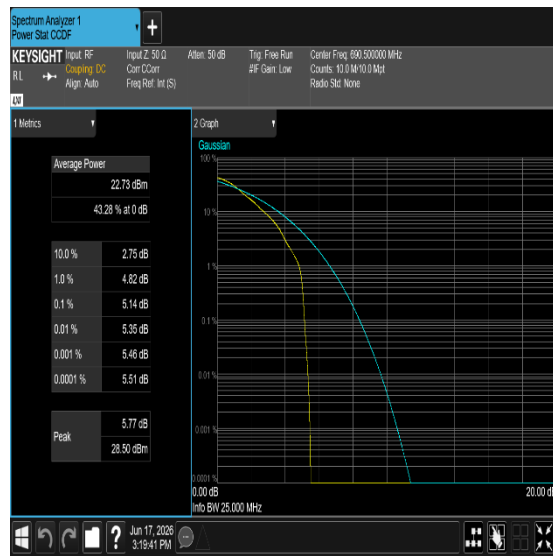
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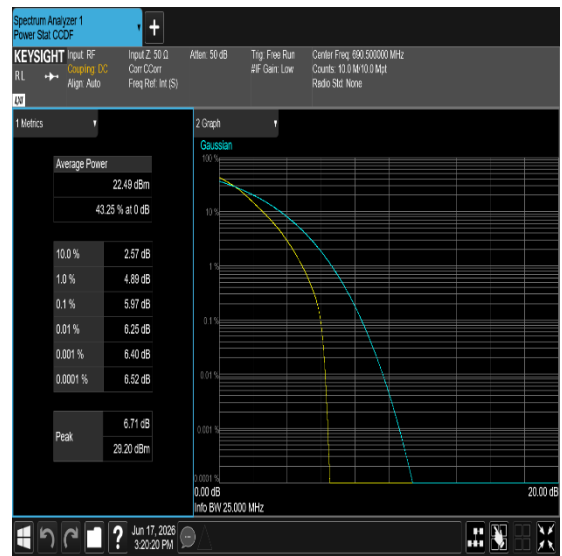
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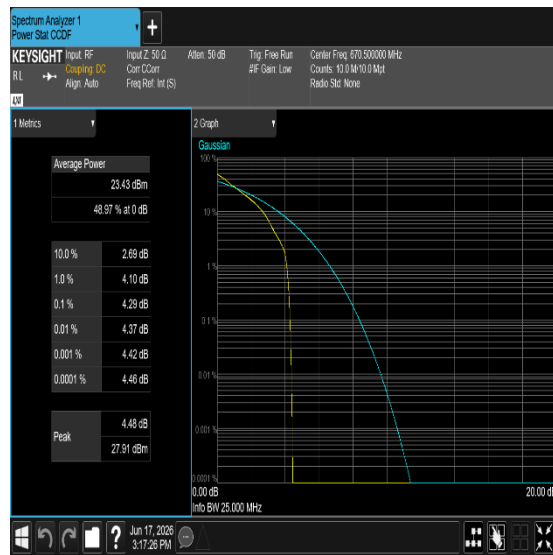
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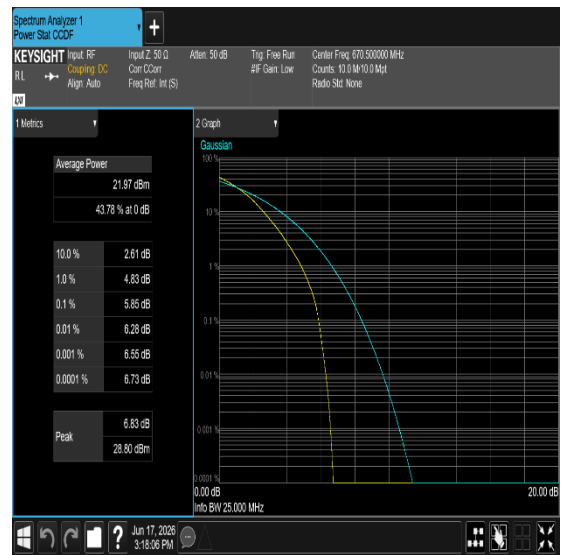
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Band71-15MHz-64QAM-133197-1RB#0-PASS



Band71-15MHz-64QAM-133197-75RB#0-PASS



Band71-15MHz-64QAM-133297-1RB#0-PASS

Band71-15MHz-64QAM-133297-75RB#0-PASS