

ANNEX 1

FCC ID: 2BPK2-DCXG414

Applicant: Shenzhen Haofa Electronics Co.,Ltd

Address: 3/F, Building 13, Weifeng Industrial Park, No.6 SongshuiRoad, Dalang Town, Dongguan City, Guangdong Province

Manufacturer: Shenzhen Haofa Electronics Co.,Ltd

Address: 3/F, Building 13, Weifeng Industrial Park, No.6 SongshuiRoad, Dalang Town, Dongguan City, Guangdong Province

EUT: AOV Low Power Consumption

Trade Mark: N/A

Model Number: DCXG414
DCXG239, DCXG232, DCXG234, H2501, H2502

Date of Receipt: Apr. 15, 2025

Test Date: Apr. 15, 2025 - Jun. 07, 2025

Date of Report: Jun. 07, 2025

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1 Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China

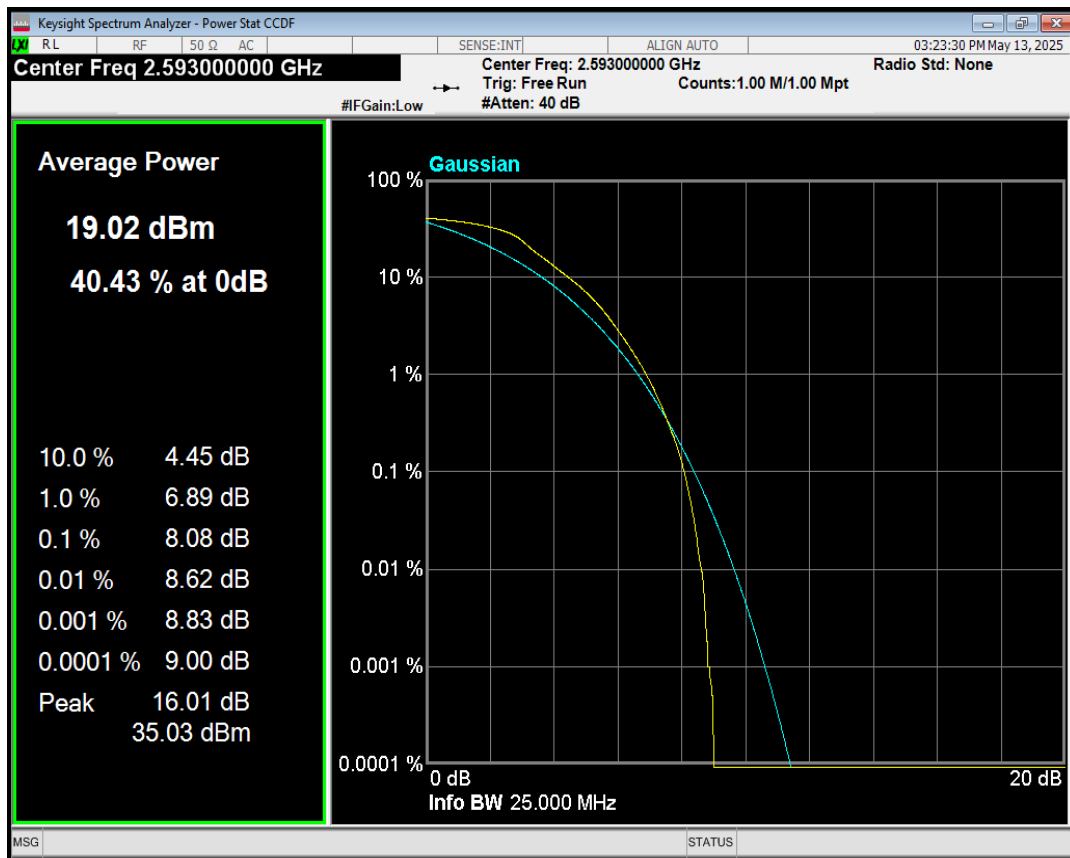
Applicable Standards: FCC CFR Title 47 Part22 Subpart H
FCC CFR Title 47 Part27
ANSI/ TIA/ EIA-603-E-2016
FCC KDB 971168 D01 Power Meas. License Digital Systems v03v01
ANSI C63.26:2015

Test Result: Pass

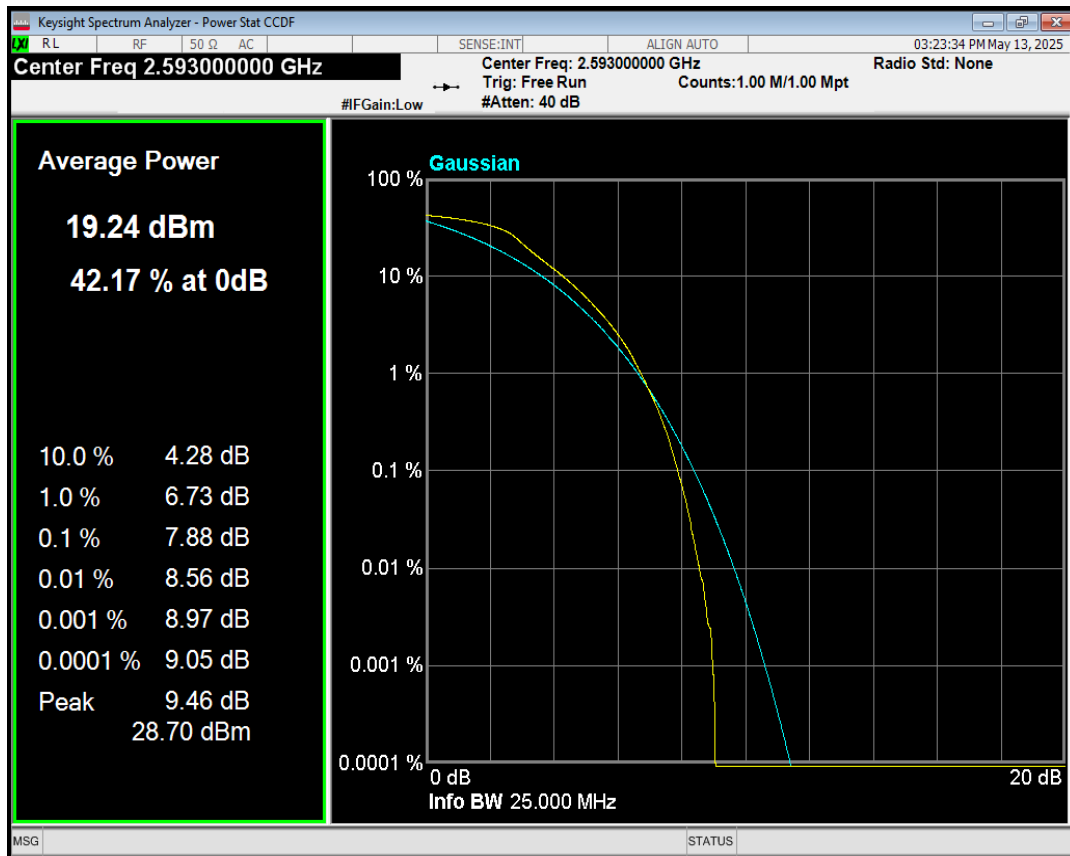
03 Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band41	5	40620	25	#0	QPSK	8.08	13	PASS
Band41	10	40620	50	#0	QPSK	7.88	13	PASS
Band41	15	40620	75	#0	QPSK	9.56	13	PASS
Band41	20	40620	100	#0	QPSK	8.60	13	PASS
Band5	1.4	20525	6	#0	QPSK	5.39	13	PASS
Band5	3	20525	15	#0	QPSK	5.48	13	PASS
Band5	5	20525	25	#0	QPSK	5.47	13	PASS
Band5	10	20525	50	#0	QPSK	5.56	13	PASS
Band41	5	40620	1	#0	QAM16	9.22	13	PASS
Band41	5	40620	25	#0	QAM16	10.38	13	PASS
Band41	10	40620	1	#0	QAM16	9.96	13	PASS
Band41	15	40620	1	#0	QAM16	9.64	13	PASS
Band41	20	40620	1	#0	QAM16	8.33	13	PASS
Band5	1.4	20525	1	#0	QAM16	5.41	13	PASS
Band5	1.4	20525	6	#0	QAM16	6.23	13	PASS
Band5	3	20525	1	#0	QAM16	5.24	13	PASS
Band5	3	20525	15	#0	QAM16	6.30	13	PASS
Band5	5	20525	1	#0	QAM16	5.43	13	PASS
Band5	5	20525	25	#0	QAM16	6.24	13	PASS
Band5	10	20525	1	#0	QAM16	5.49	13	PASS

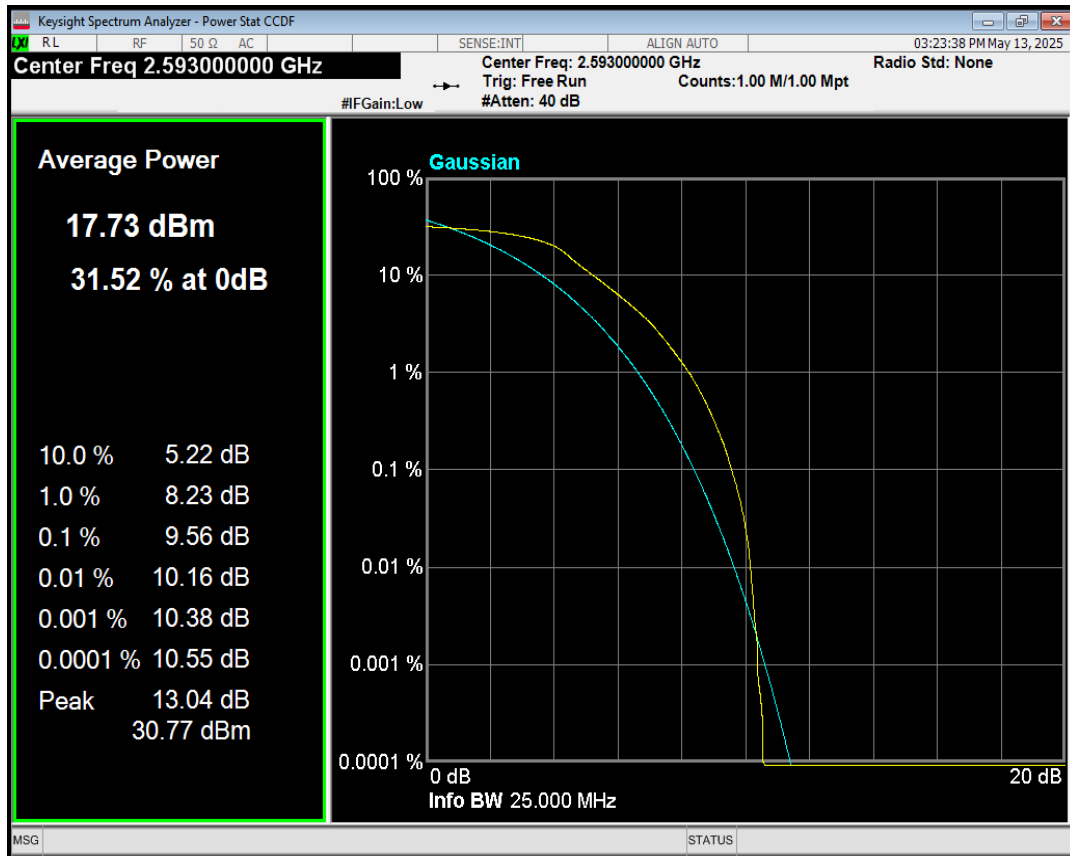
Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0



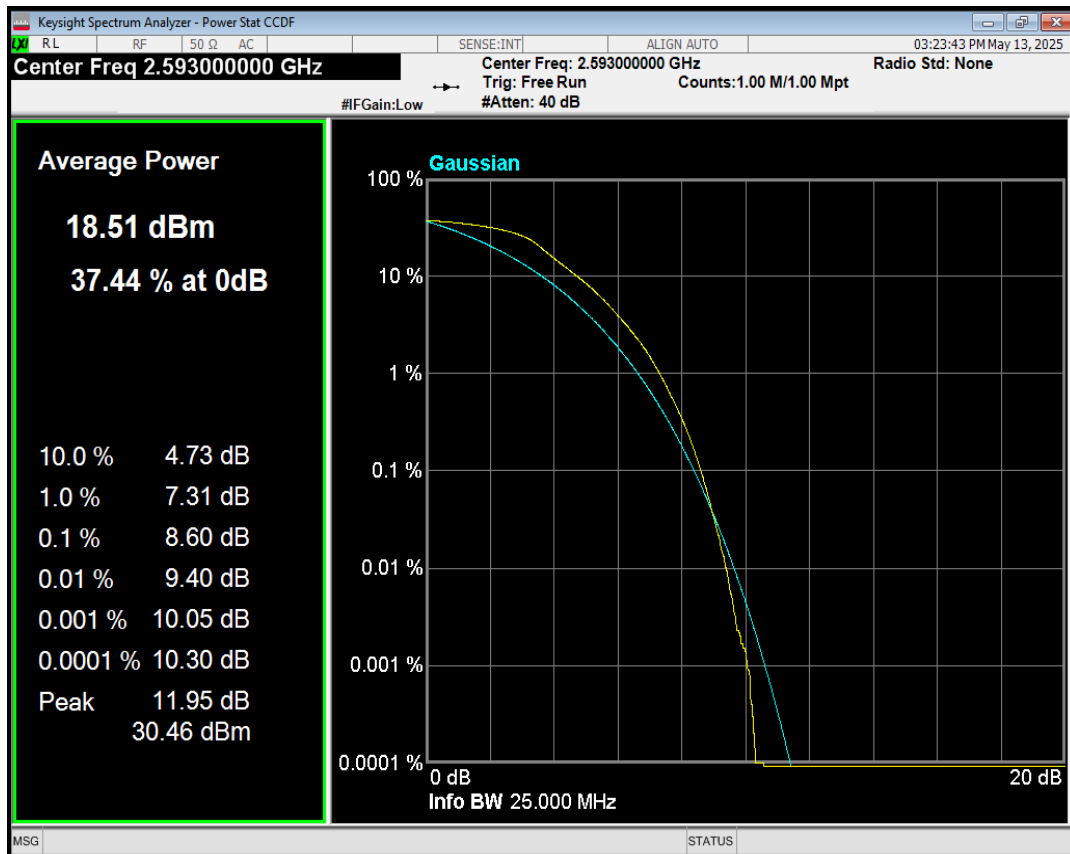
Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0



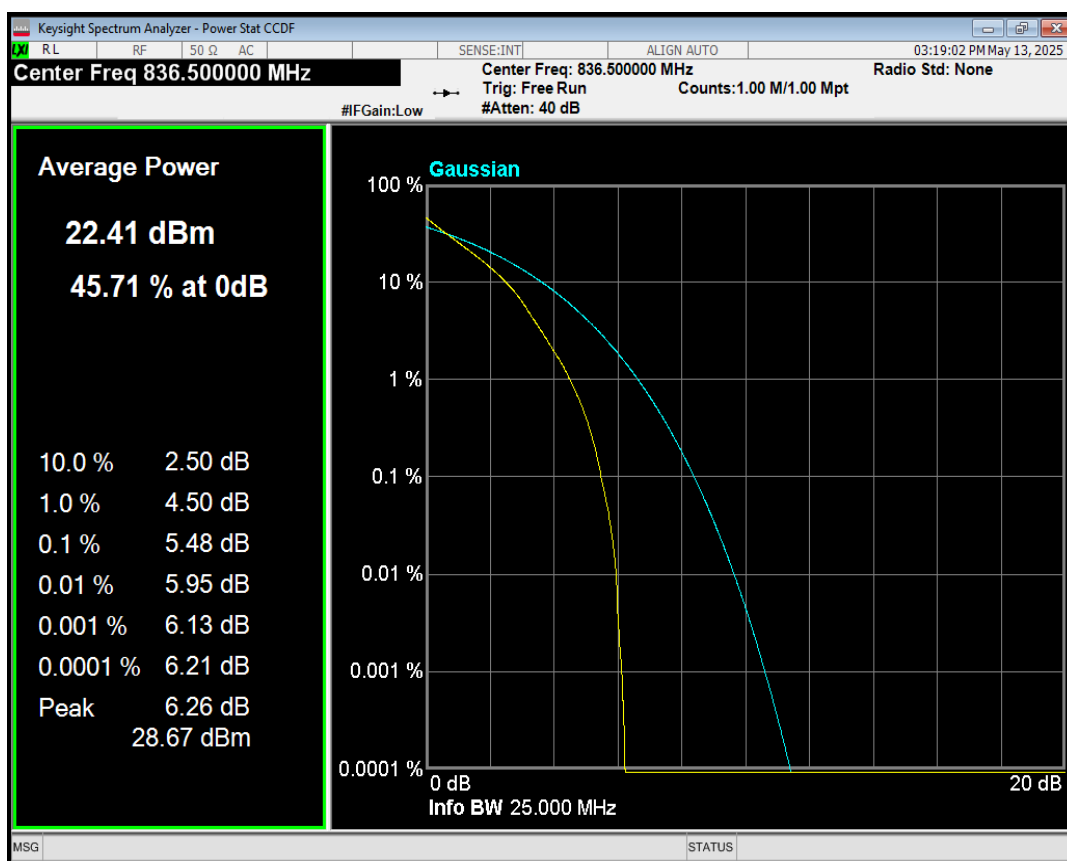
Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0



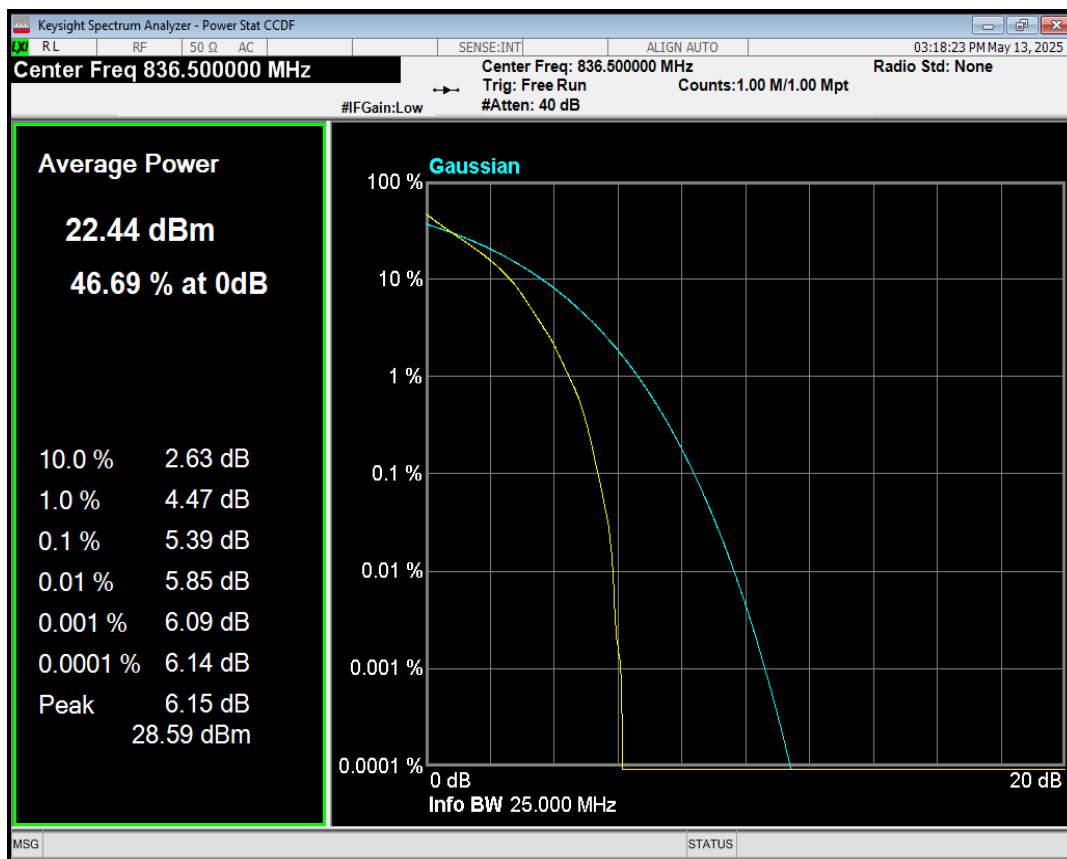
Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0



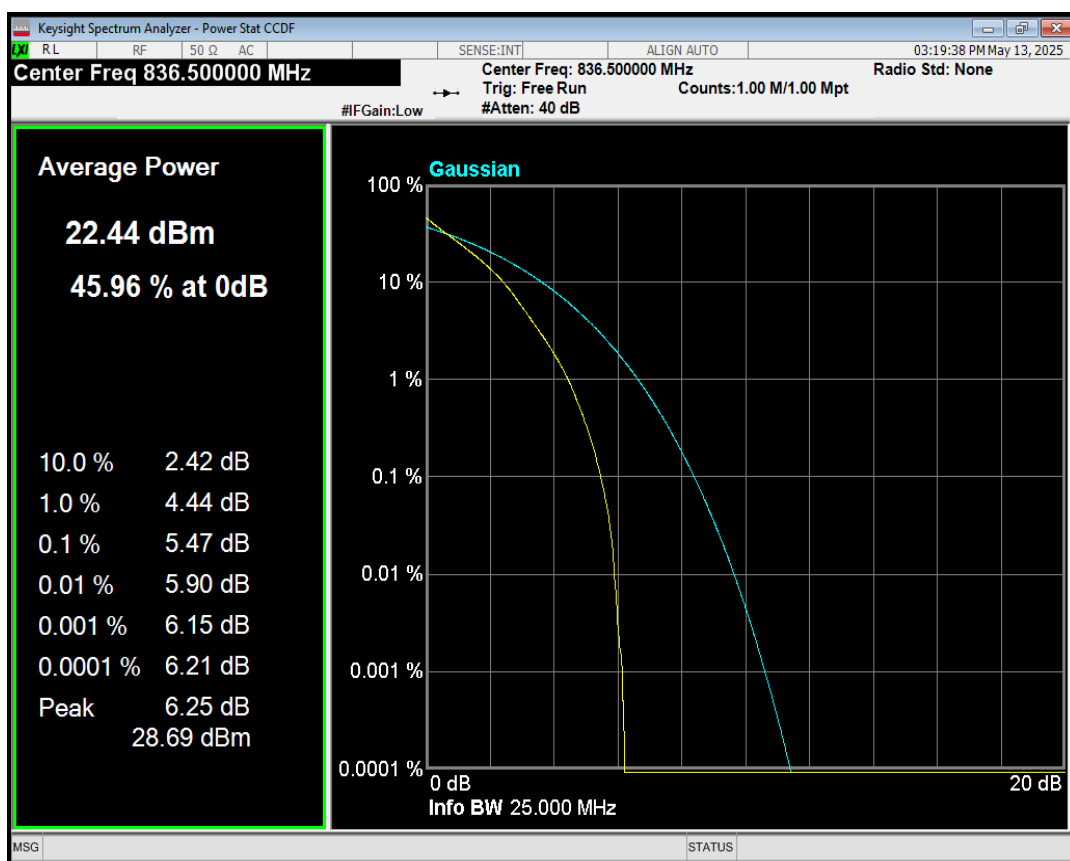
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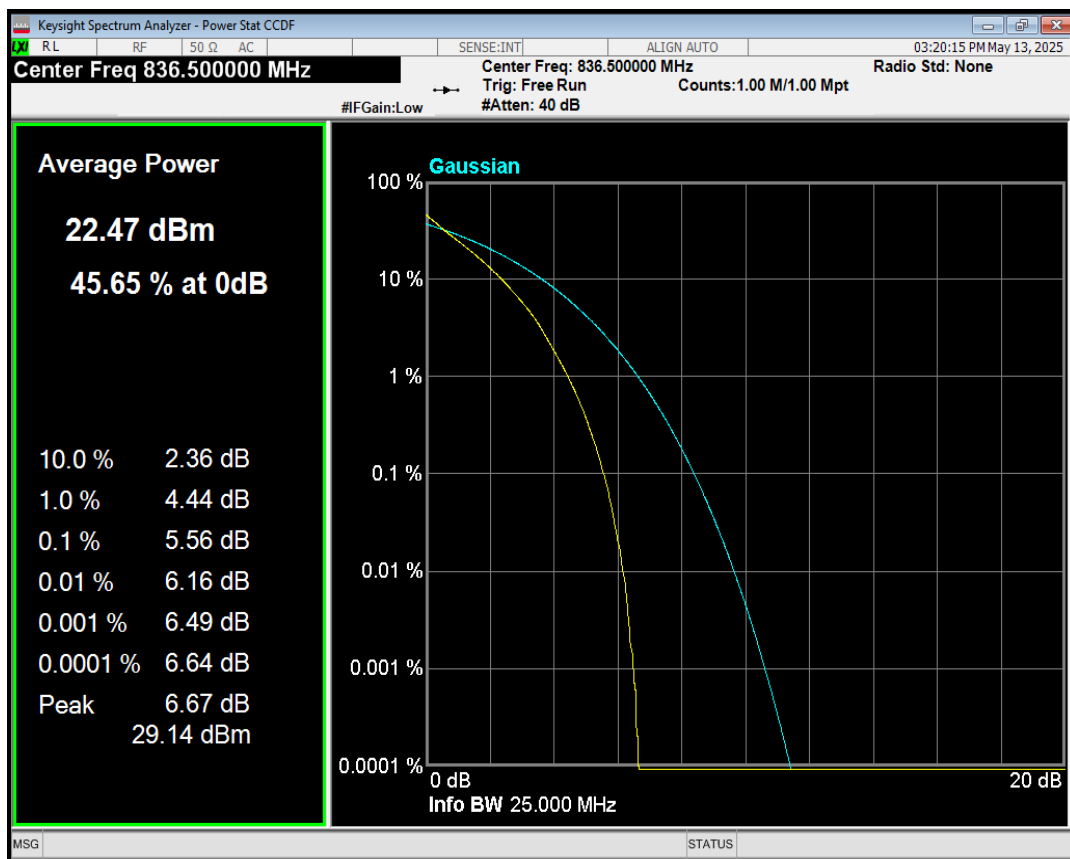
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



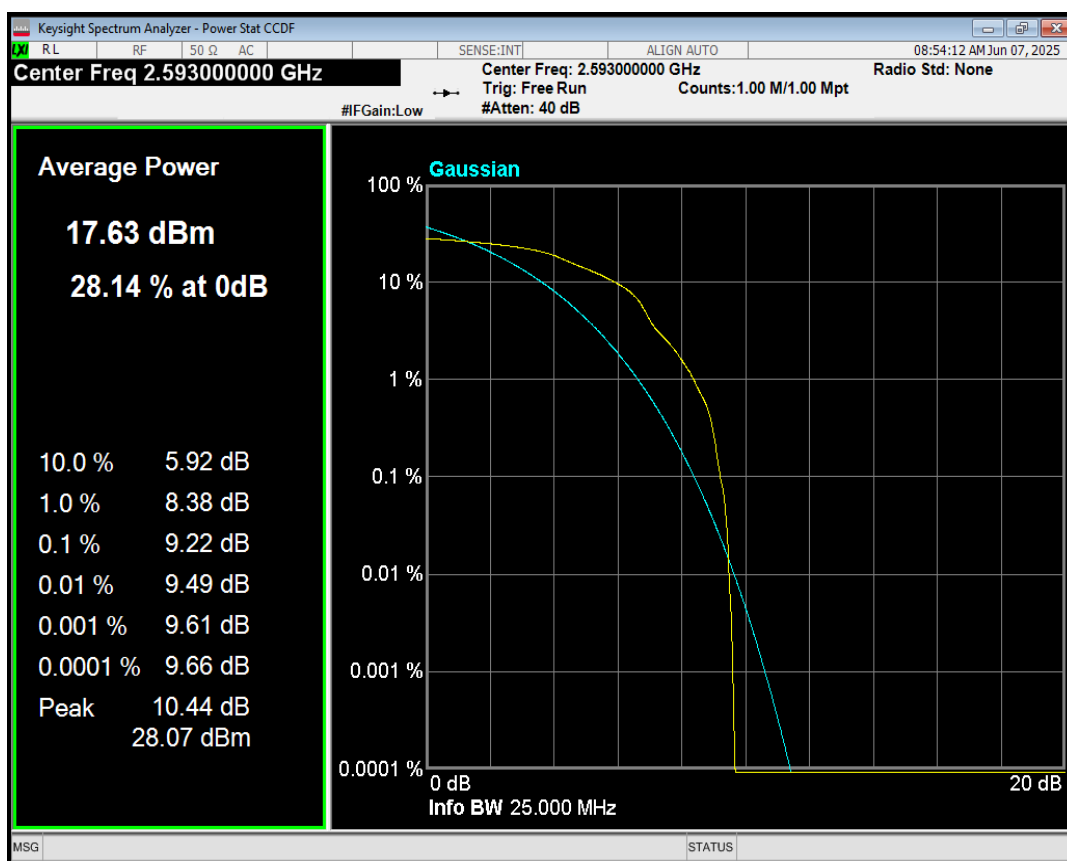
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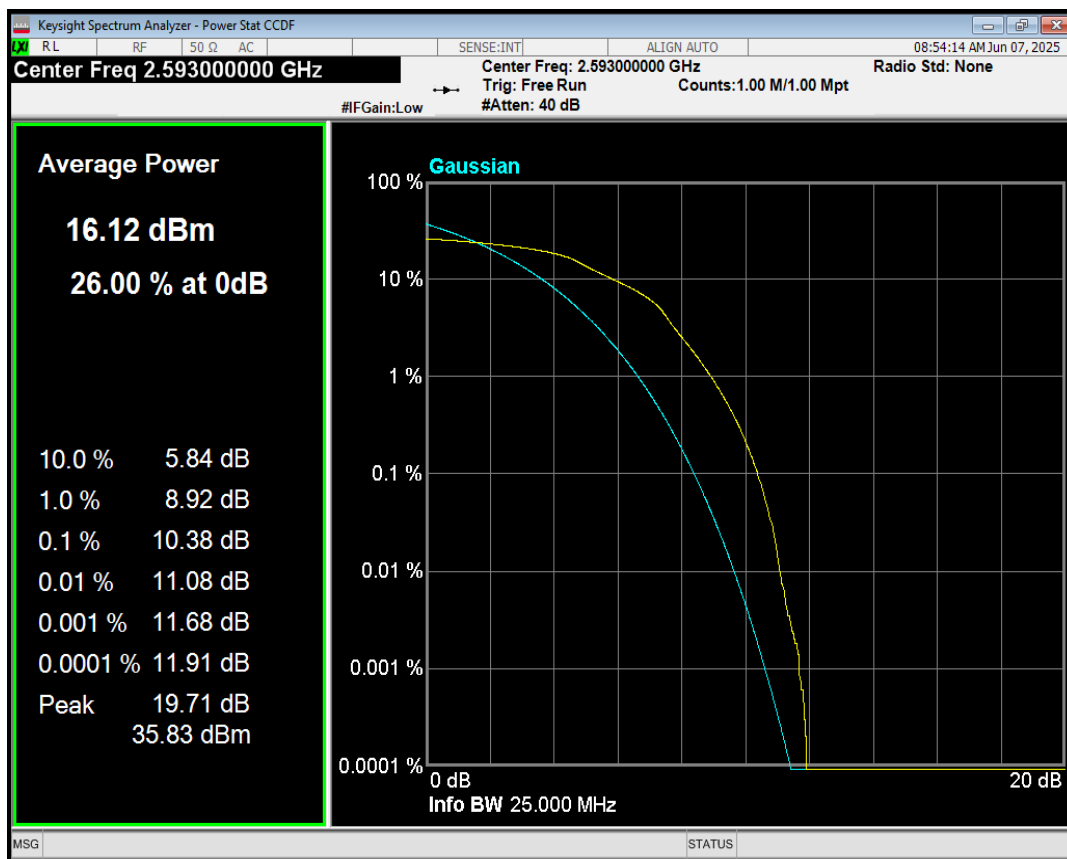
Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



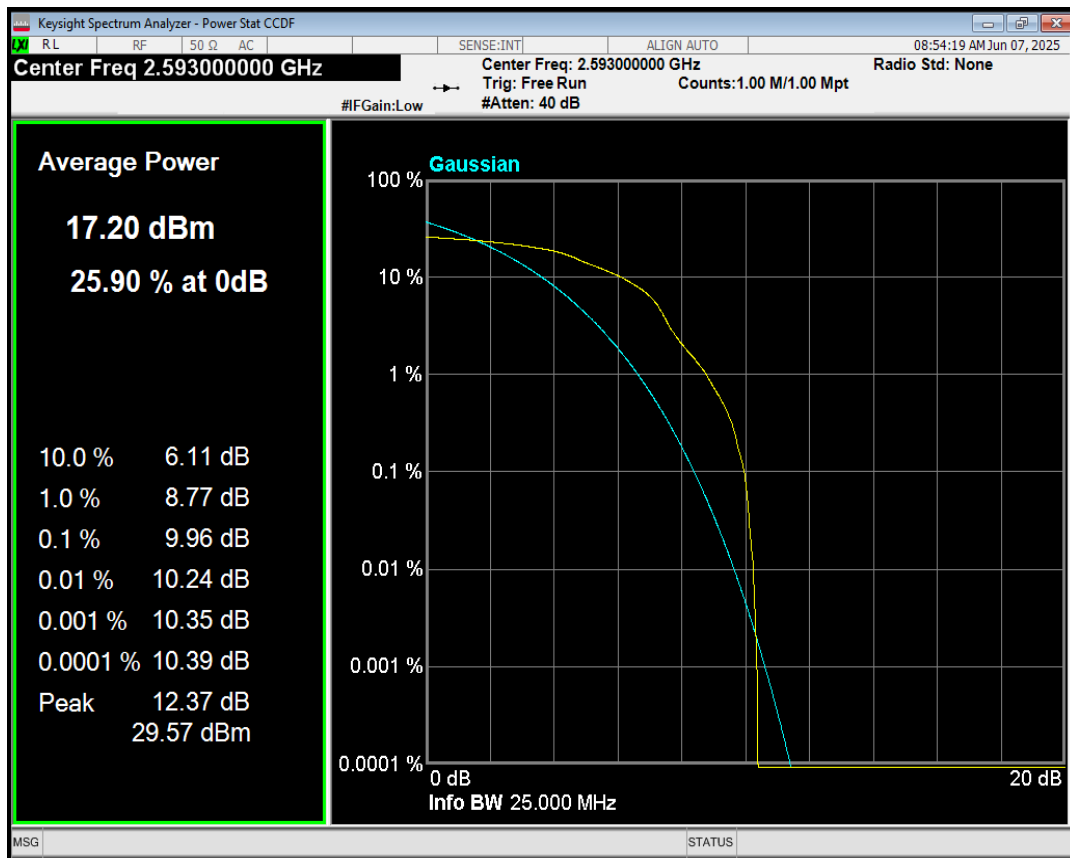
Band41 QAM16 BW=5MHz Channel=40620 RB Size=1 Position=#0



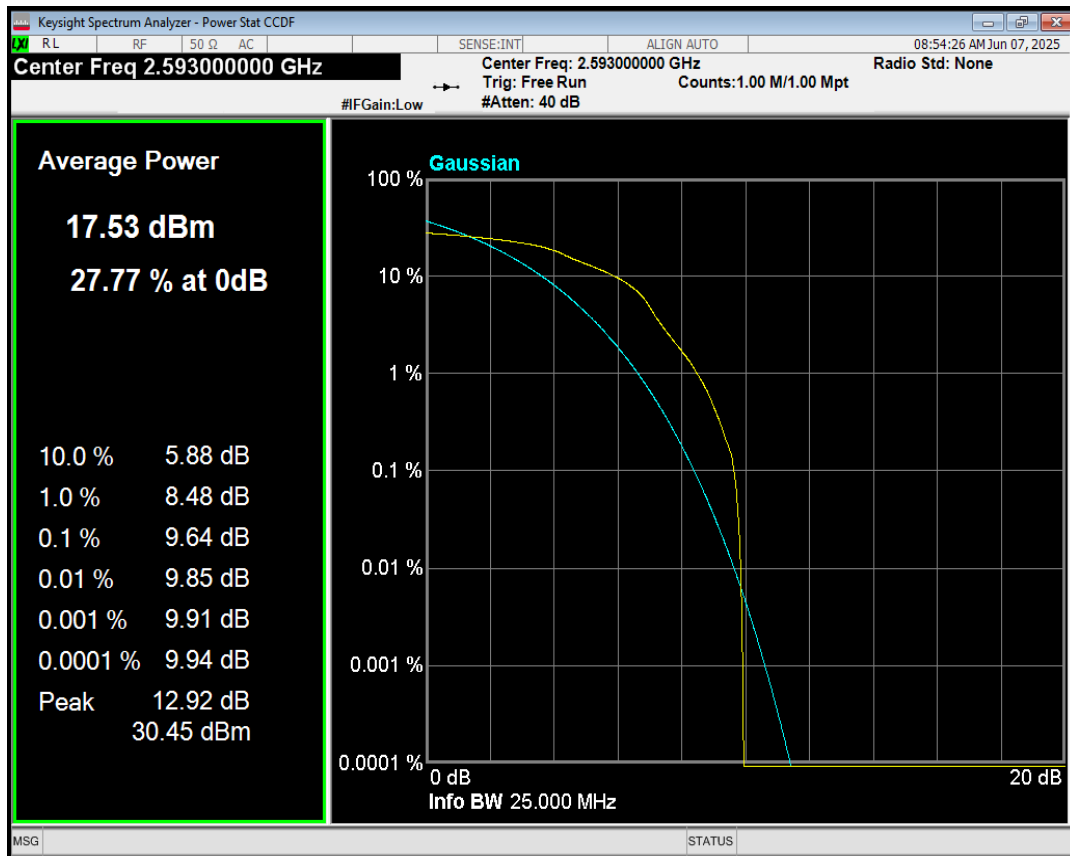
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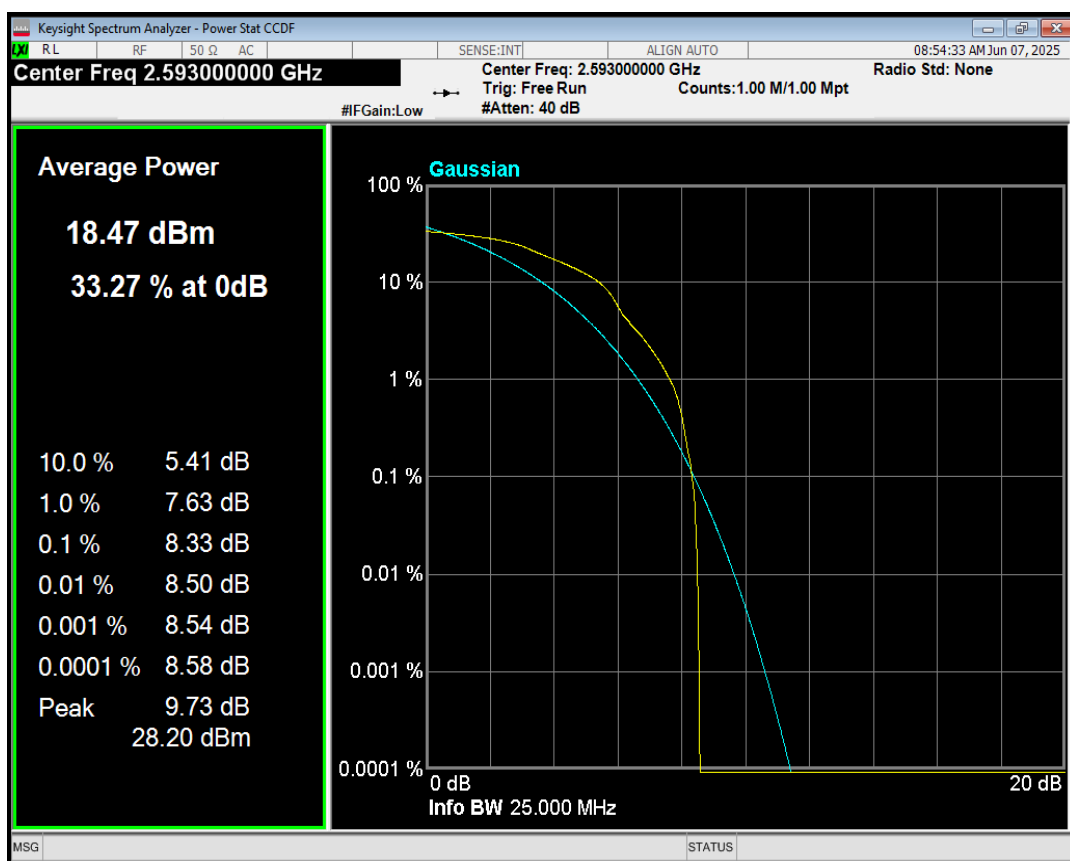
Band41 QAM16 BW=10MHz Channel=40620 RB Size=1 Position=#0



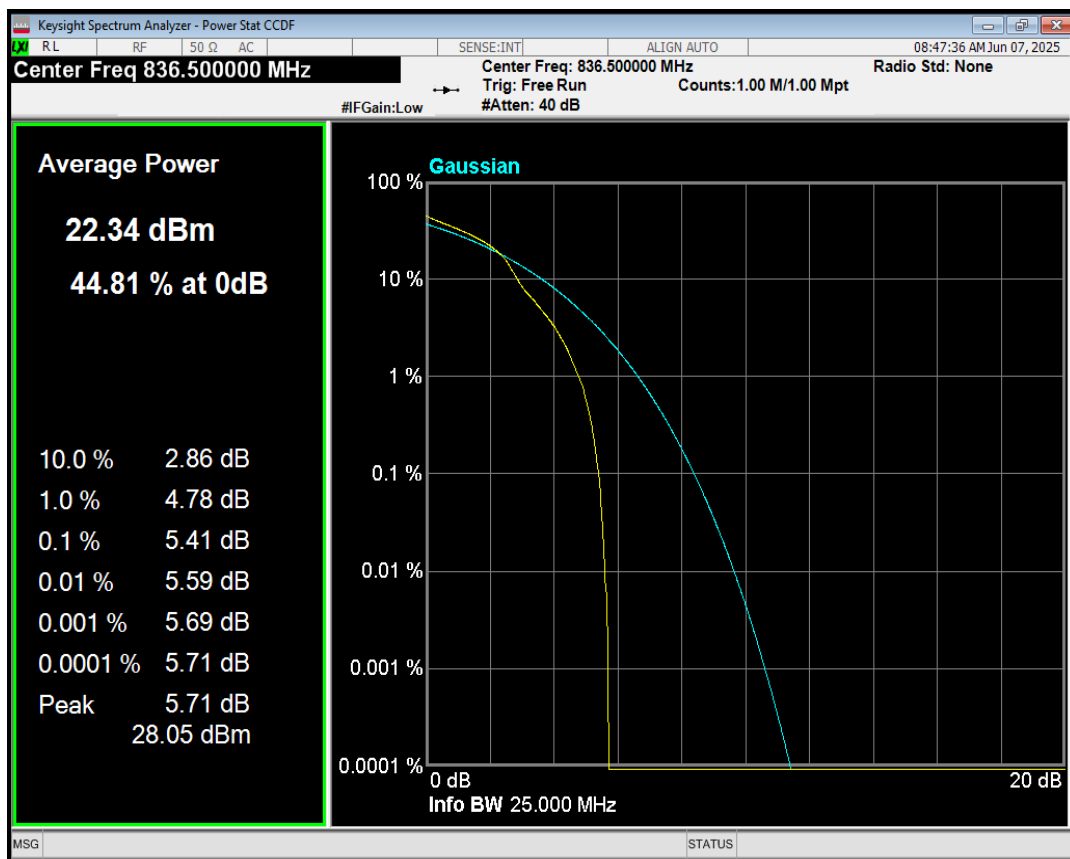
Band41 QAM16 BW=15MHz Channel=40620 RB Size=1 Position=#0



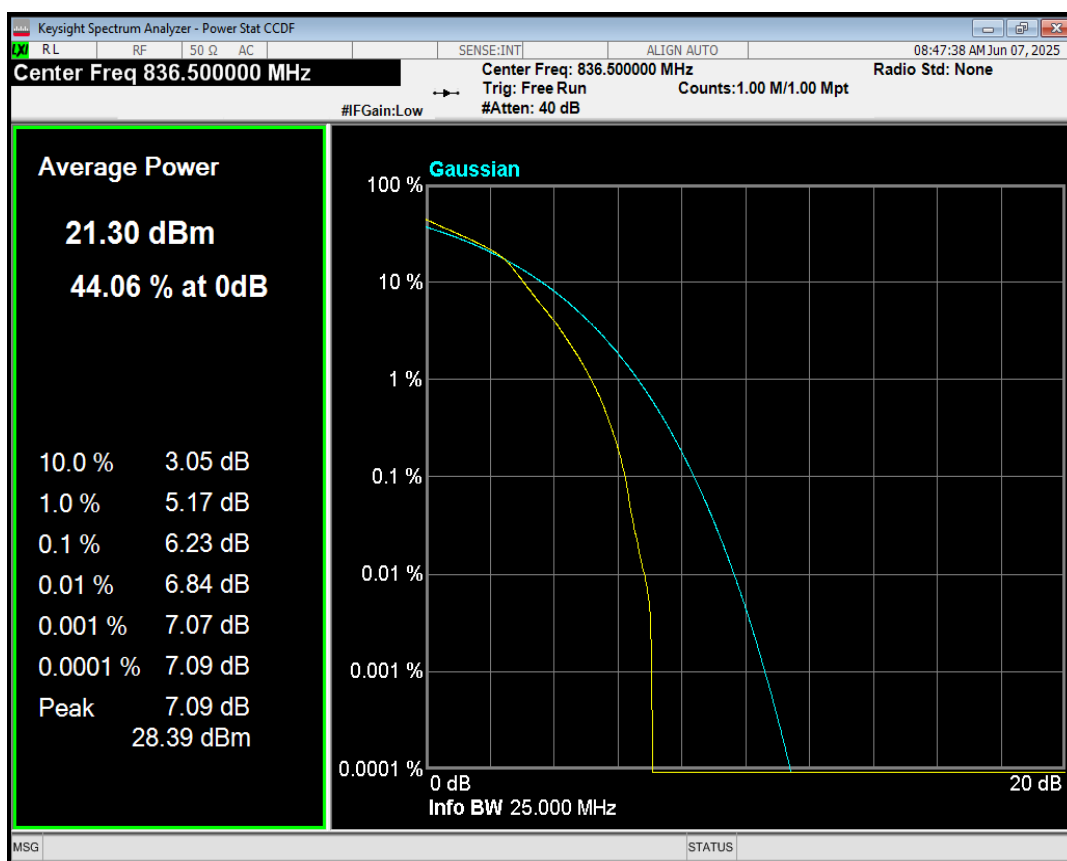
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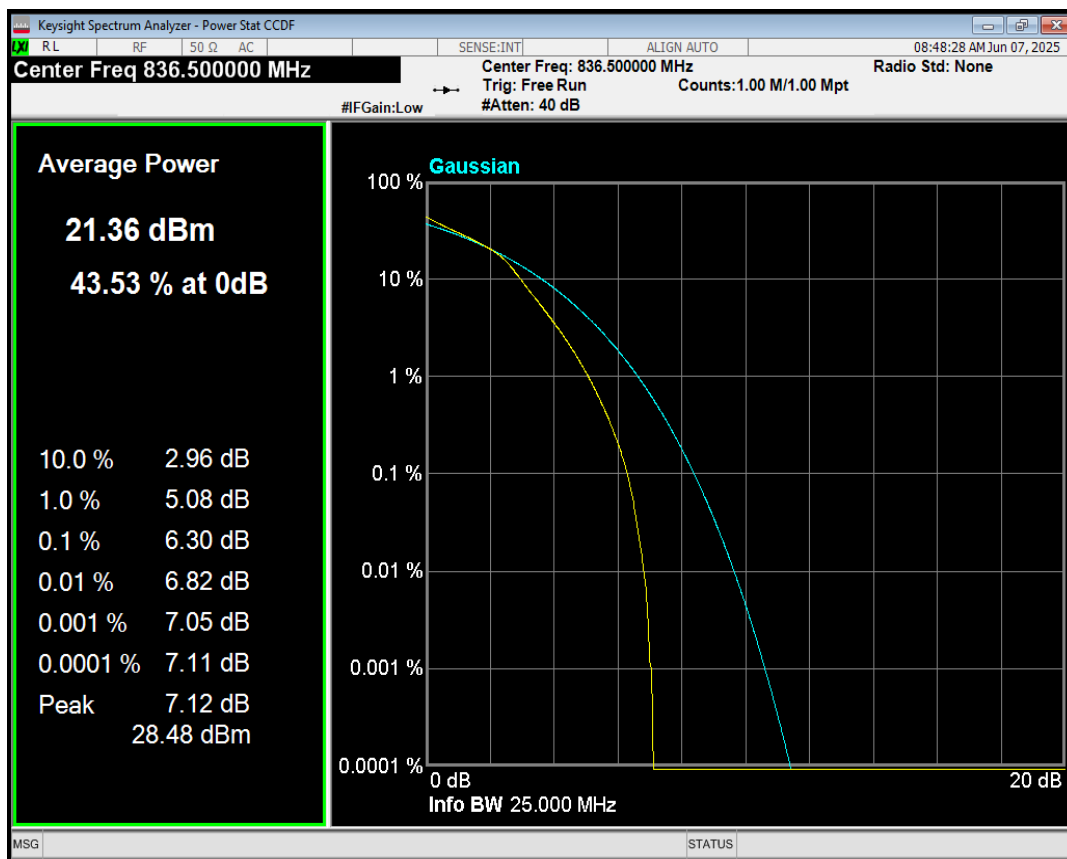
Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=1 Position=#0



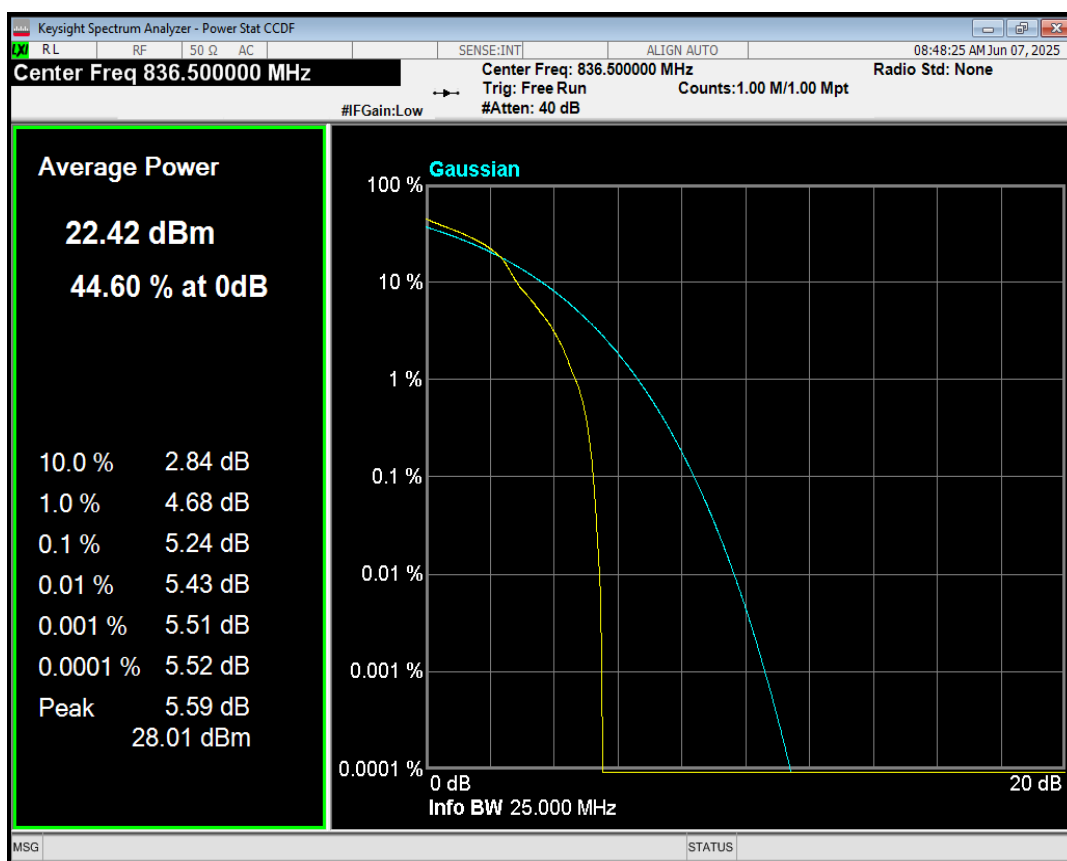
Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=6 Position=#0



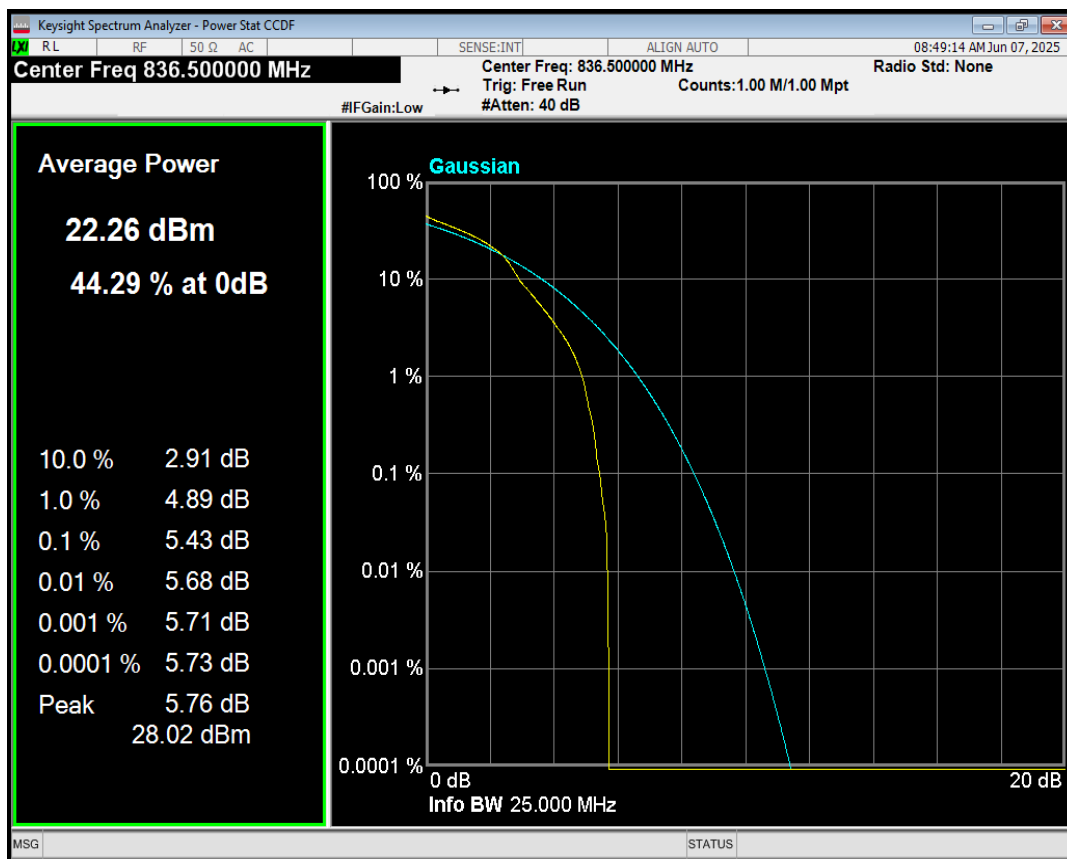
Band5 QAM16 BW=3MHz Channel=20525 RB Size=15 Position=#0



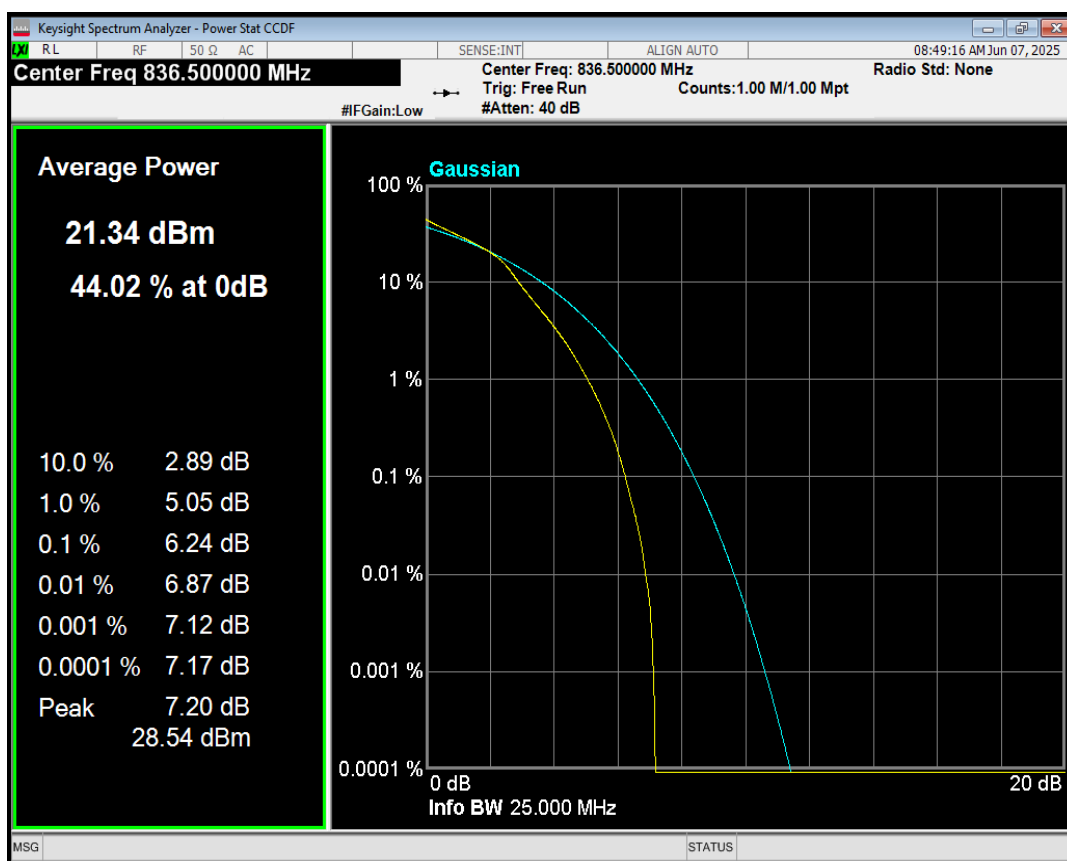
Band5 QAM16 BW=3MHz Channel=20525 RB Size=1 Position=#0



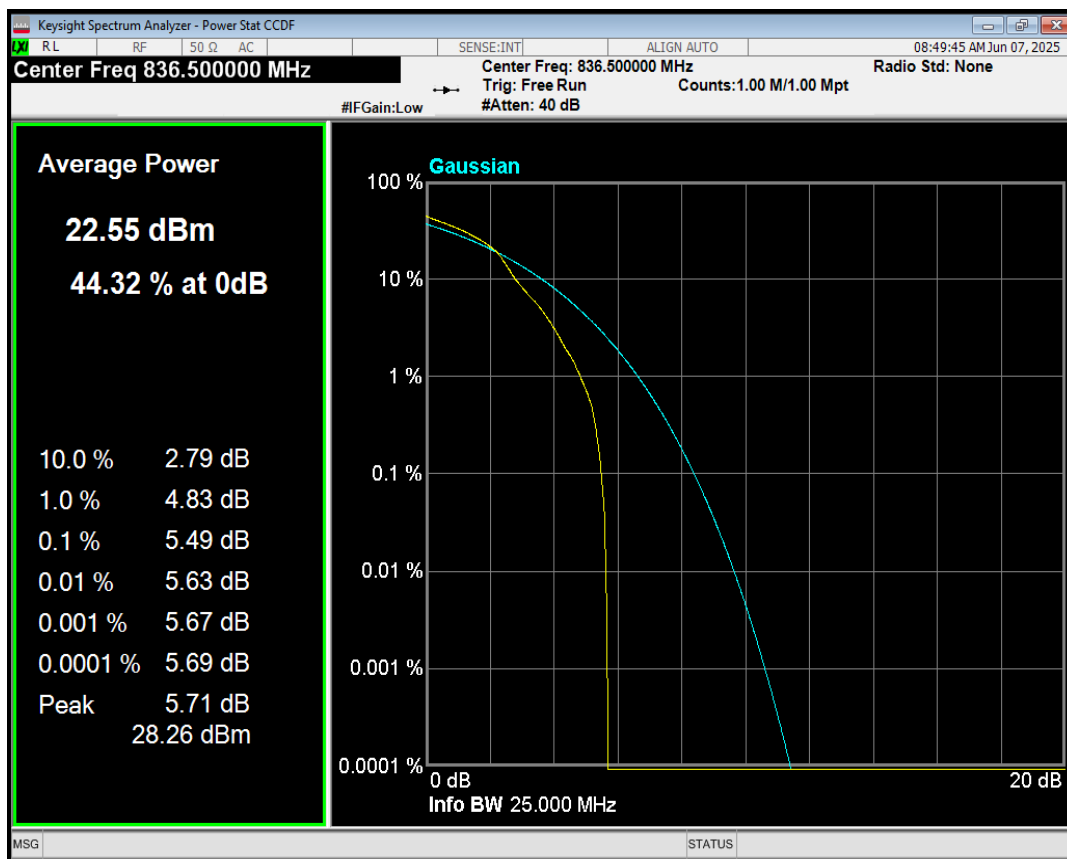
Band5 QAM16 BW=5MHz Channel=20525 RB Size=1 Position=#0



Band5 QAM16 BW=5MHz Channel=20525 RB Size=25 Position=#0



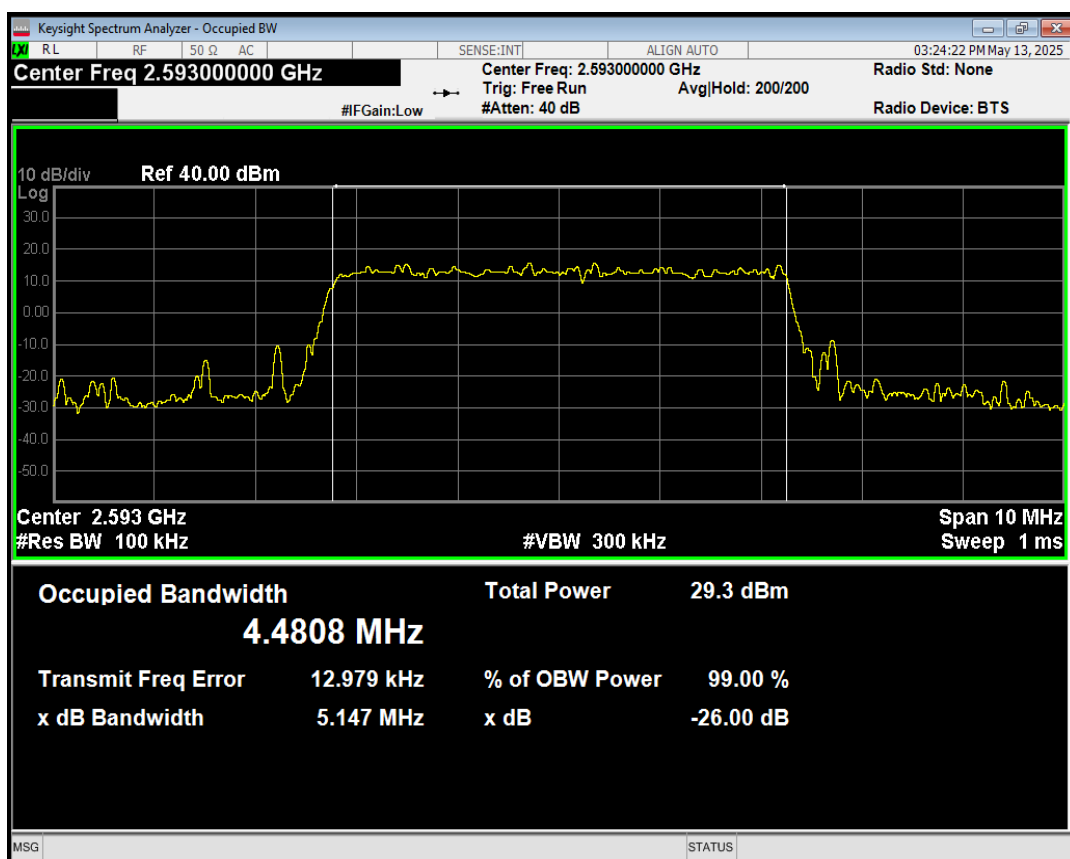
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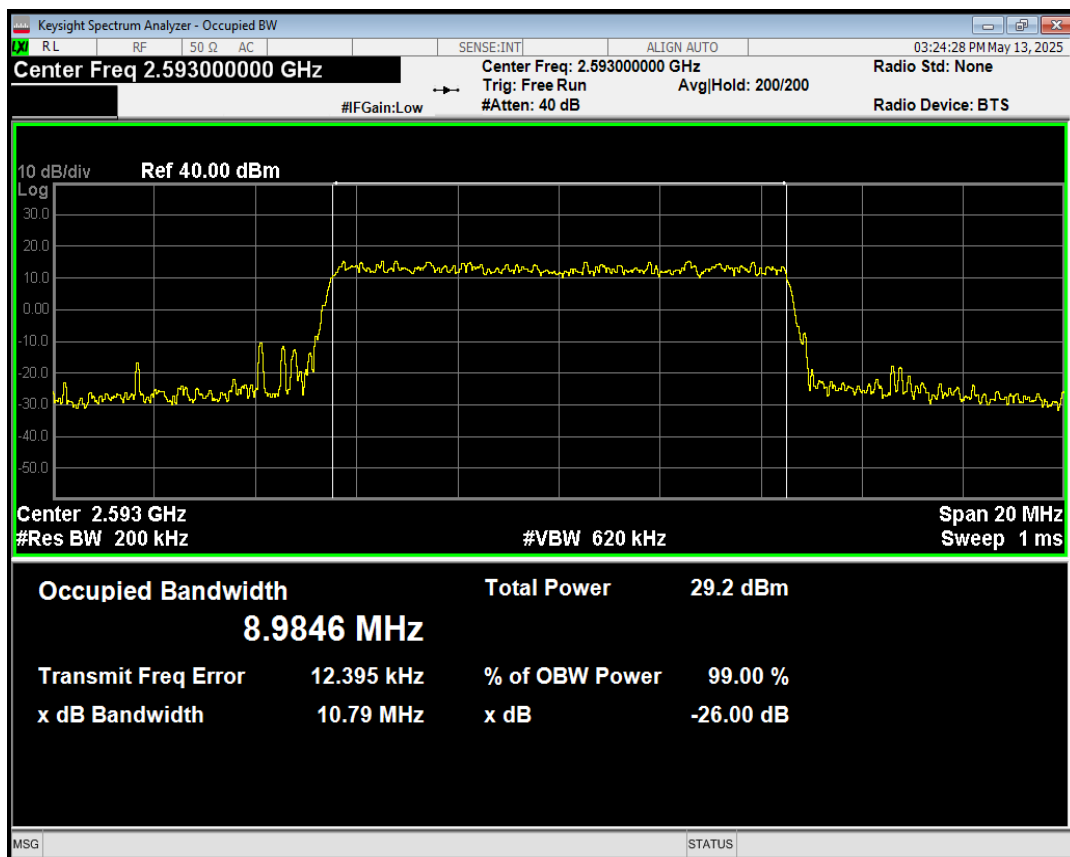
04 Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band41	5	40620	25	#0	QPSK	4.481	5.147	PASS
Band41	10	40620	50	#0	QPSK	8.985	10.794	PASS
Band41	15	40620	75	#0	QPSK	13.487	14.650	PASS
Band41	20	40620	100	#0	QPSK	18.071	20.498	PASS
Band5	1.4	20525	6	#0	QPSK	1.101	1.285	PASS
Band5	3	20525	15	#0	QPSK	2.699	2.912	PASS
Band5	5	20525	25	#0	QPSK	4.509	4.852	PASS
Band5	10	20525	50	#0	QPSK	9.010	9.716	PASS
Band41	5	40620	1	#0	QAM16	0.671	0.932	PASS
Band41	5	40620	25	#0	QAM16	4.505	5.285	PASS
Band41	10	40620	1	#0	QAM16	1.007	1.387	PASS
Band41	15	40620	1	#0	QAM16	1.624	2.071	PASS
Band41	20	40620	1	#0	QAM16	1.758	2.738	PASS
Band5	1.4	20525	1	#0	QAM16	0.311	0.474	PASS
Band5	1.4	20525	6	#0	QAM16	1.099	1.297	PASS
Band5	3	20525	1	#0	QAM16	0.390	0.571	PASS
Band5	3	20525	15	#0	QAM16	2.692	2.936	PASS
Band5	5	20525	1	#0	QAM16	0.740	1.034	PASS
Band5	5	20525	25	#0	QAM16	4.520	4.950	PASS
Band5	10	20525	1	#0	QAM16	1.113	1.605	PASS

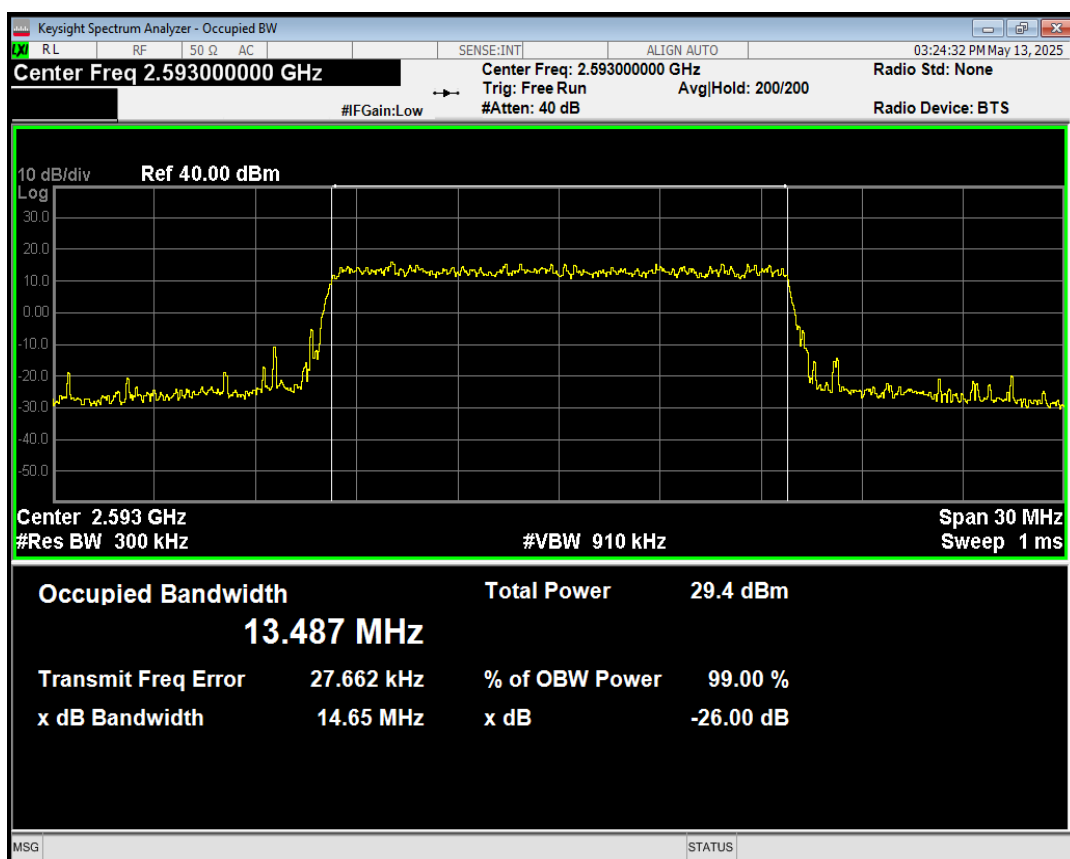
Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0



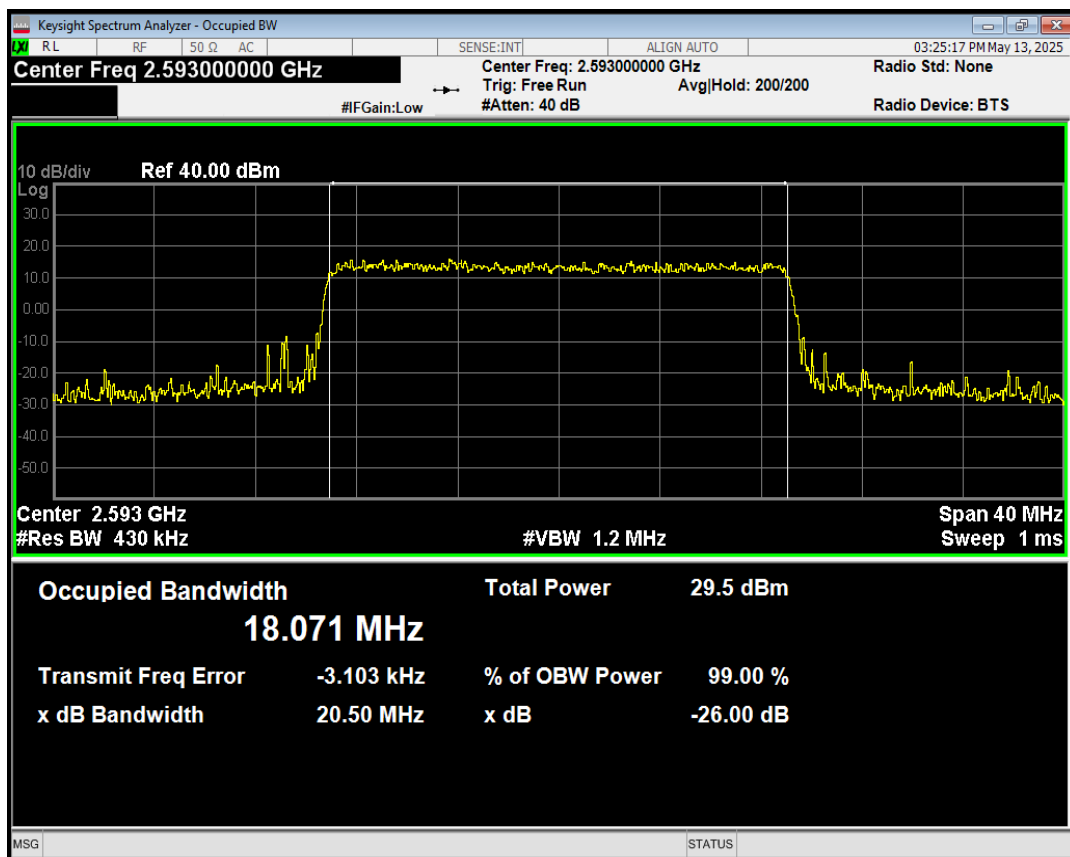
Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0



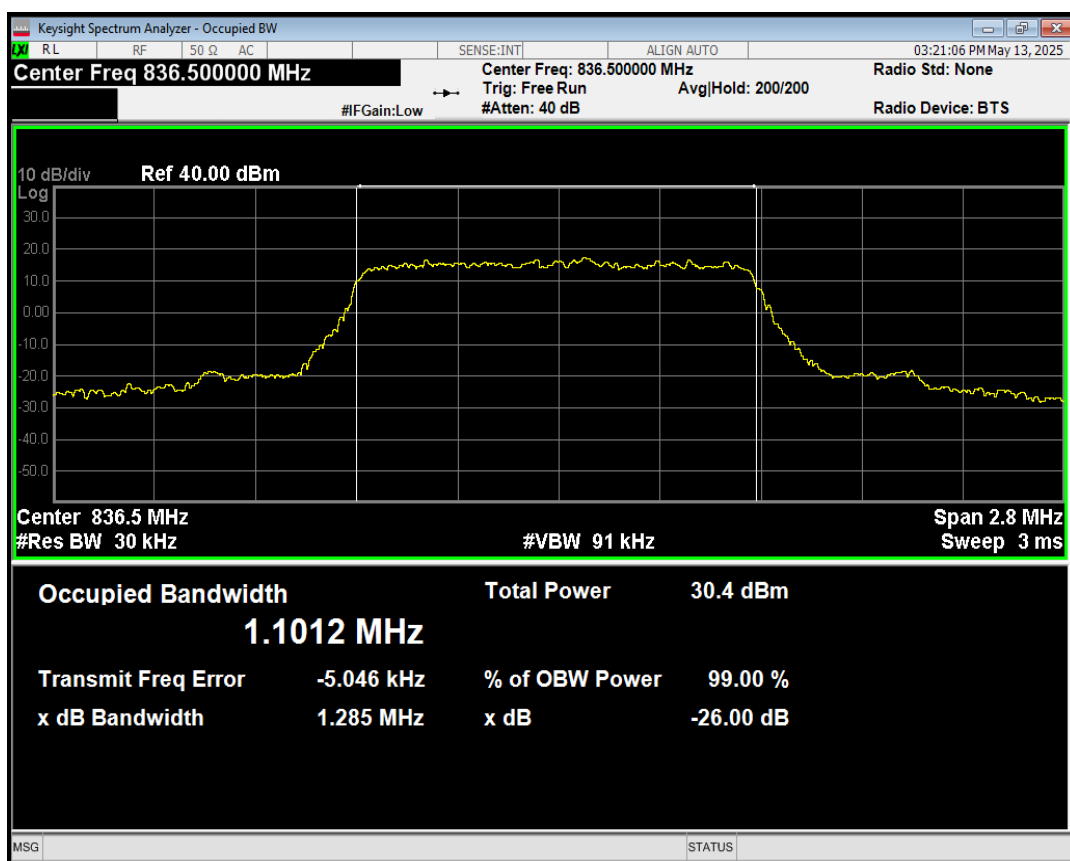
Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0



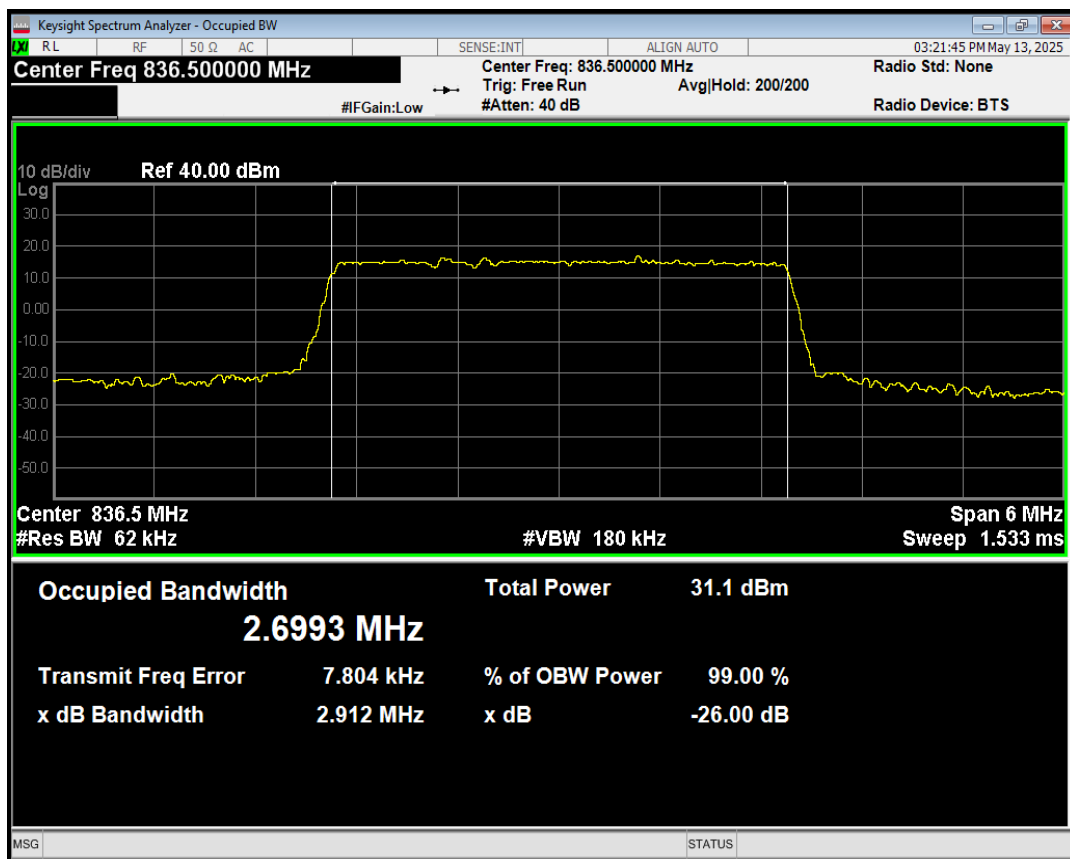
Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0



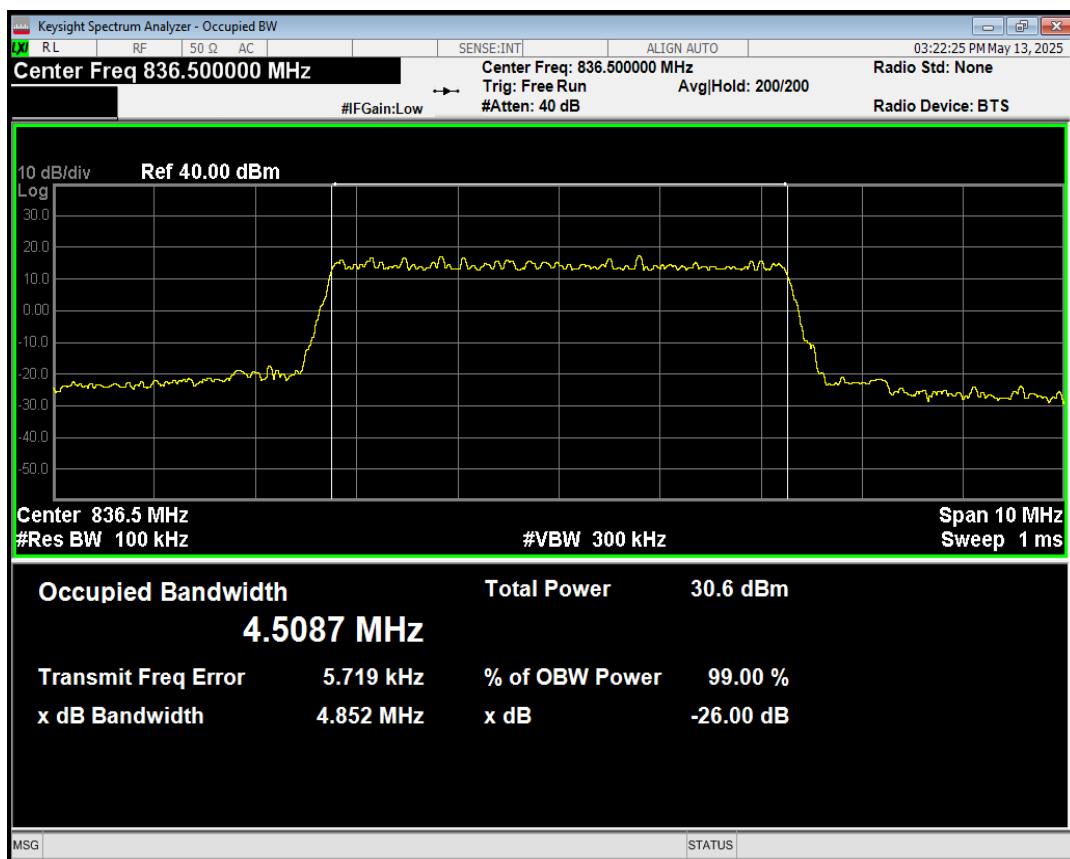
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



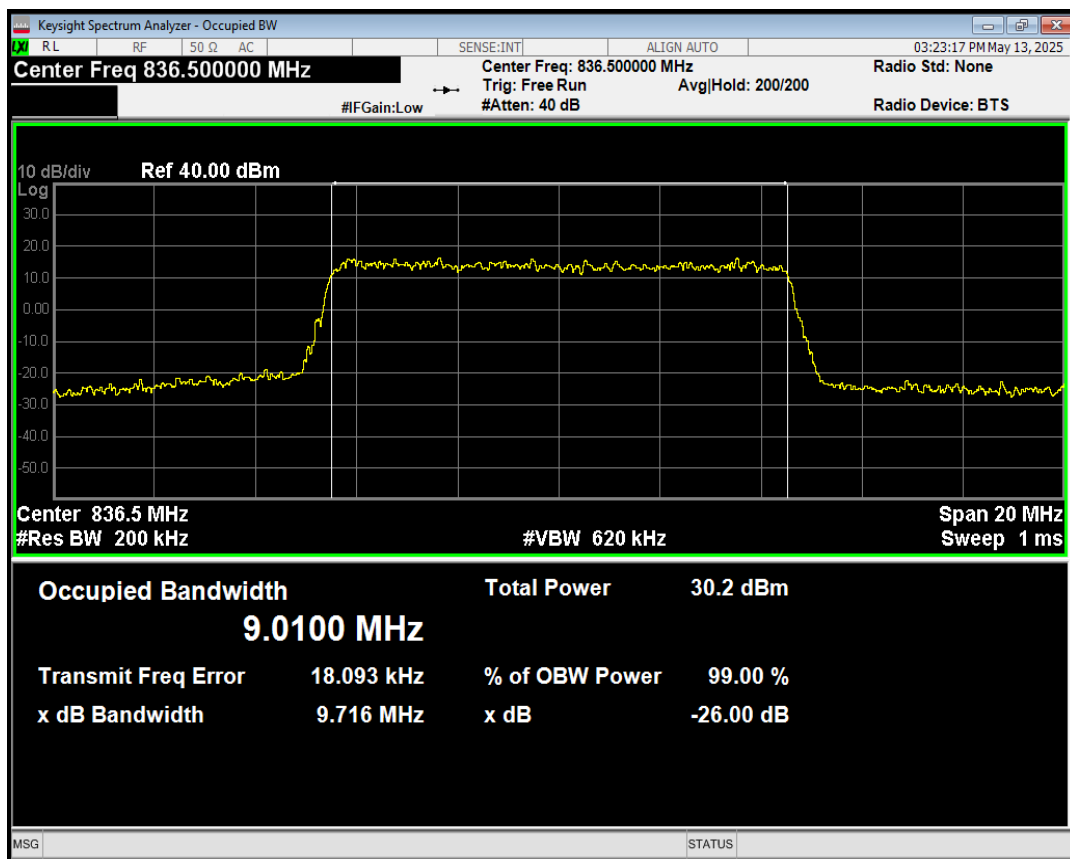
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



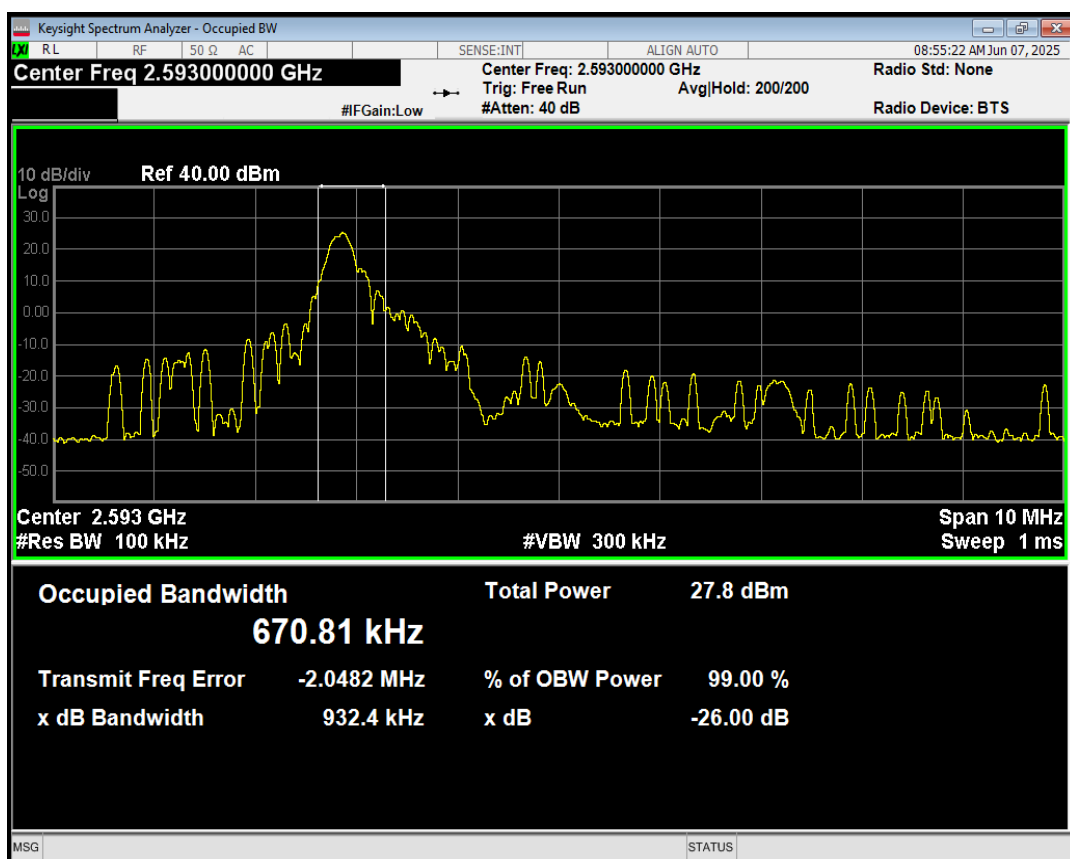
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



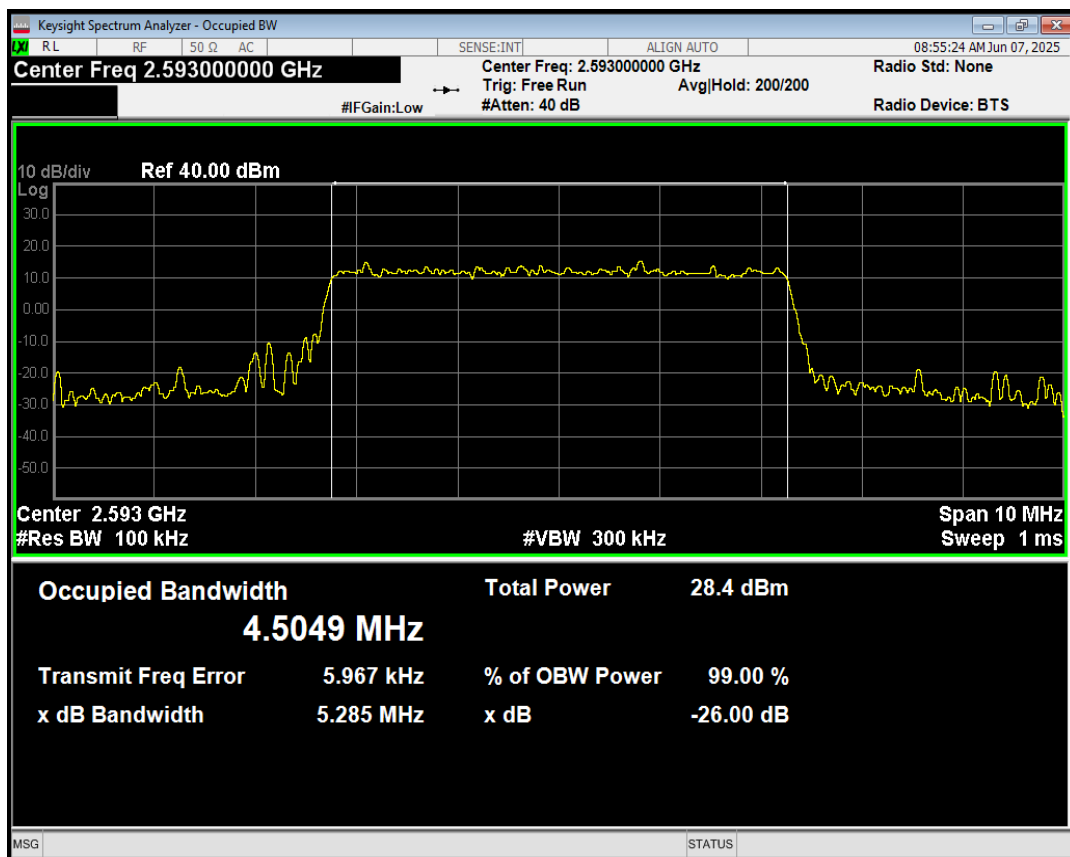
Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



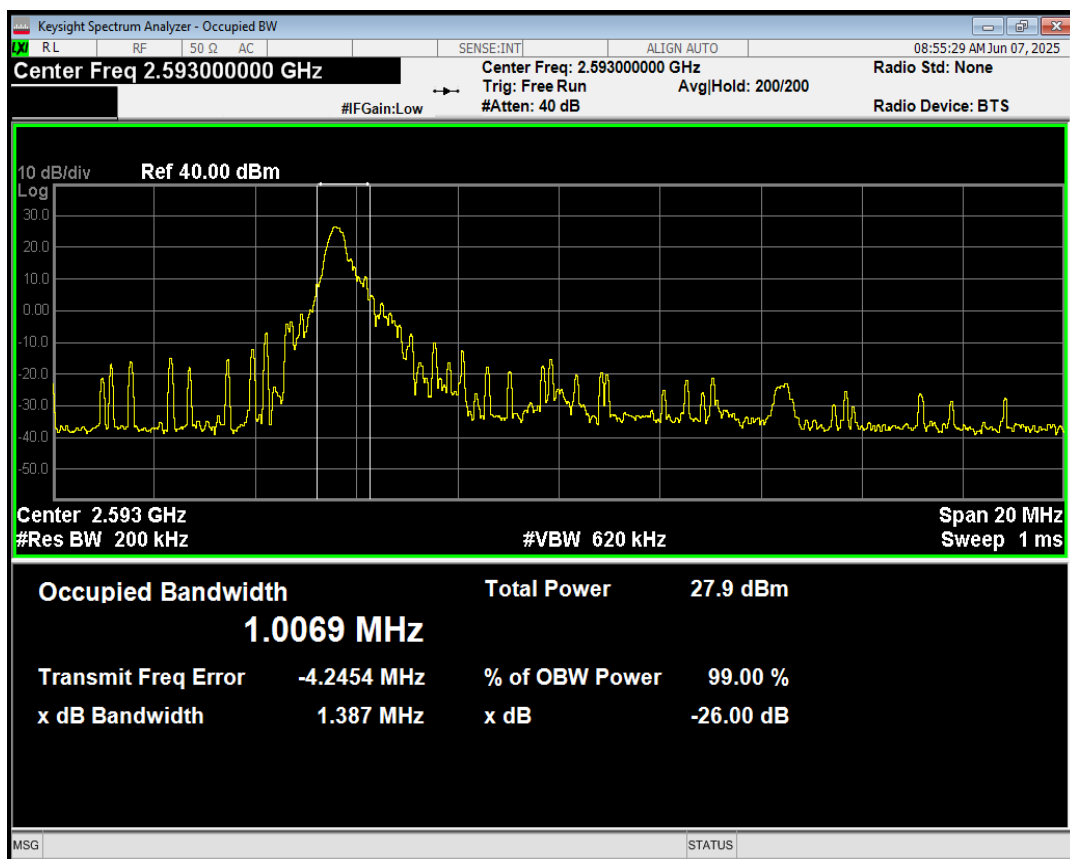
Band41 QAM16 BW=5MHz Channel=40620 RB Size=1 Position=#0



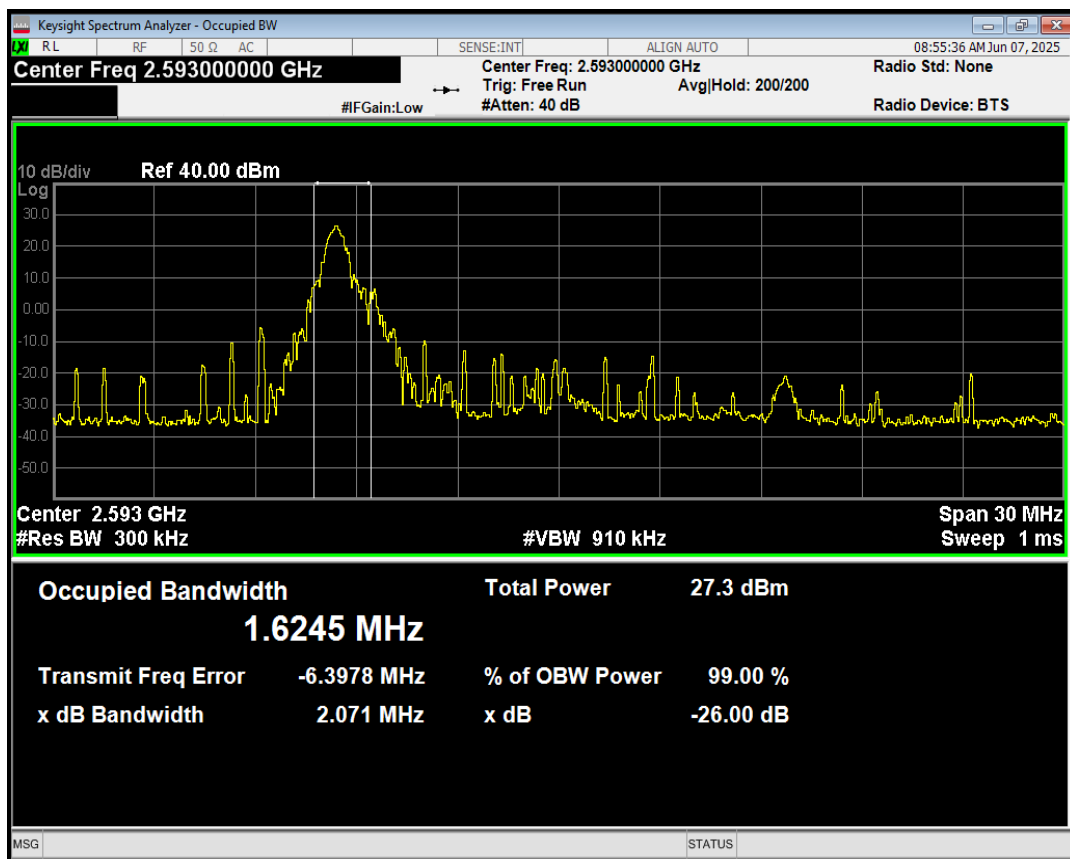
Band41 QAM16 BW=5MHz Channel=40620 RB Size=25 Position=#0



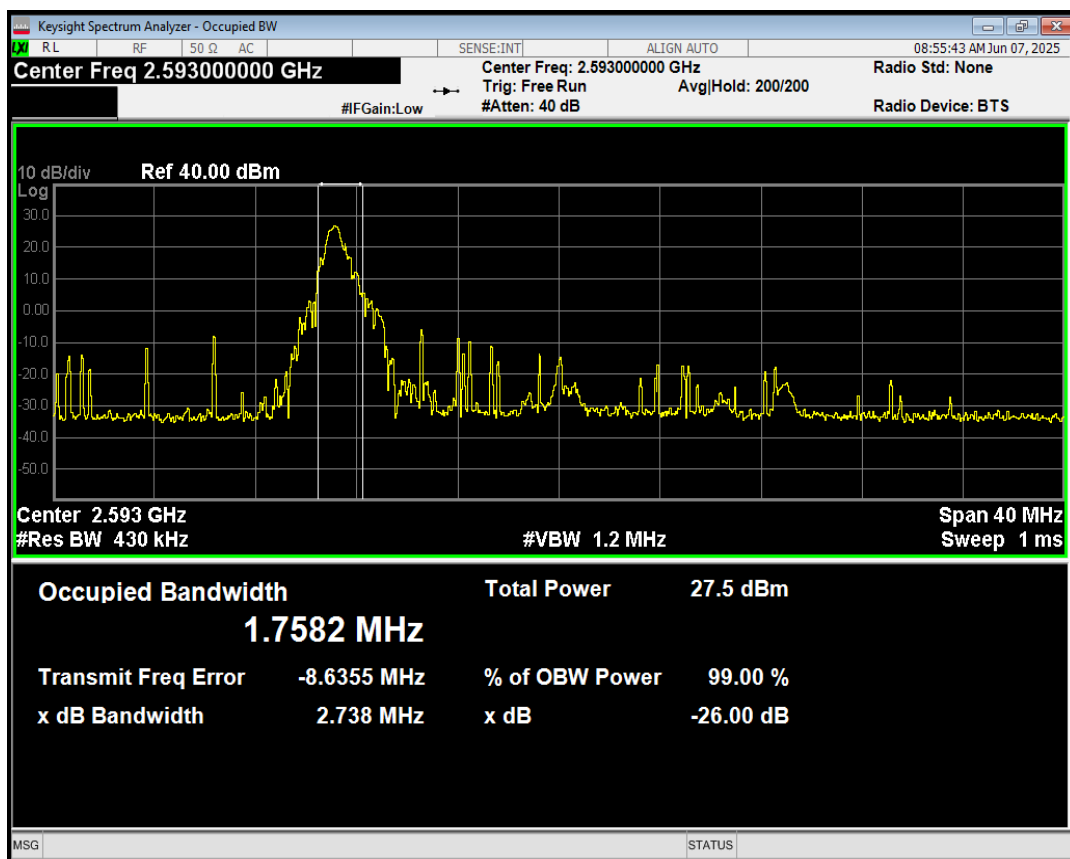
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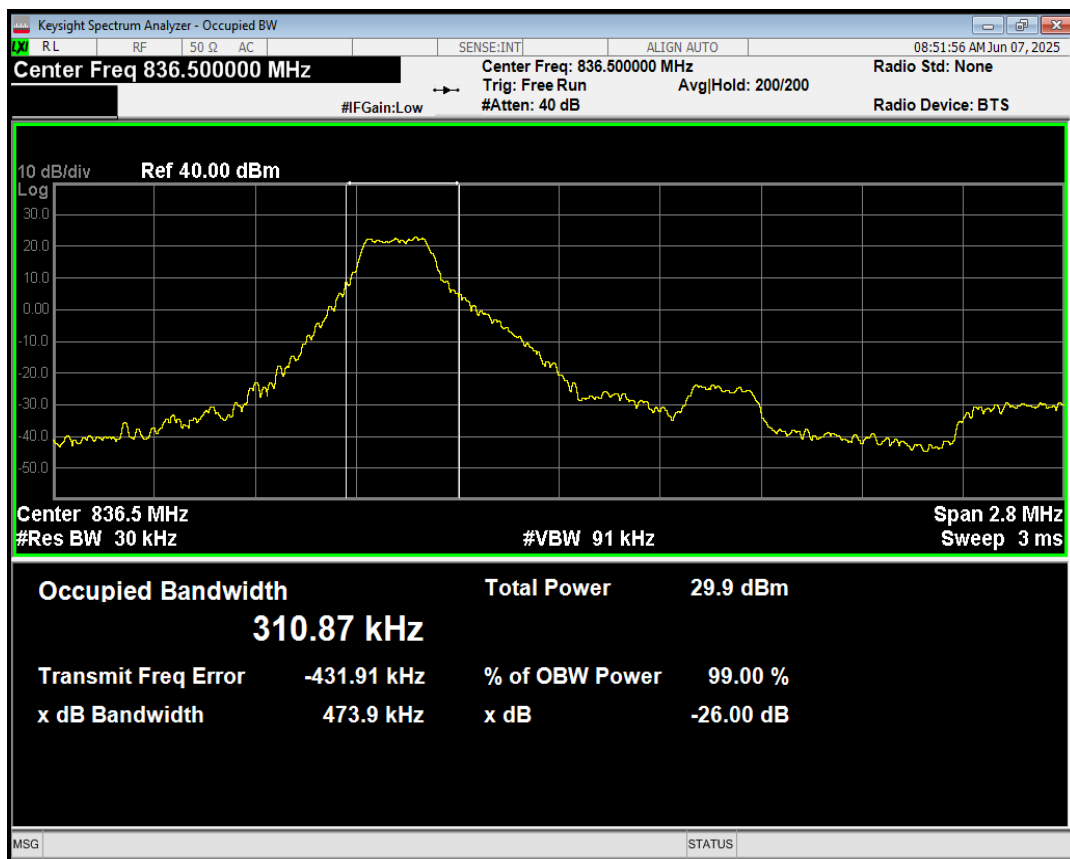
Band41 QAM16 BW=15MHz Channel=40620 RB Size=1 Position=#0



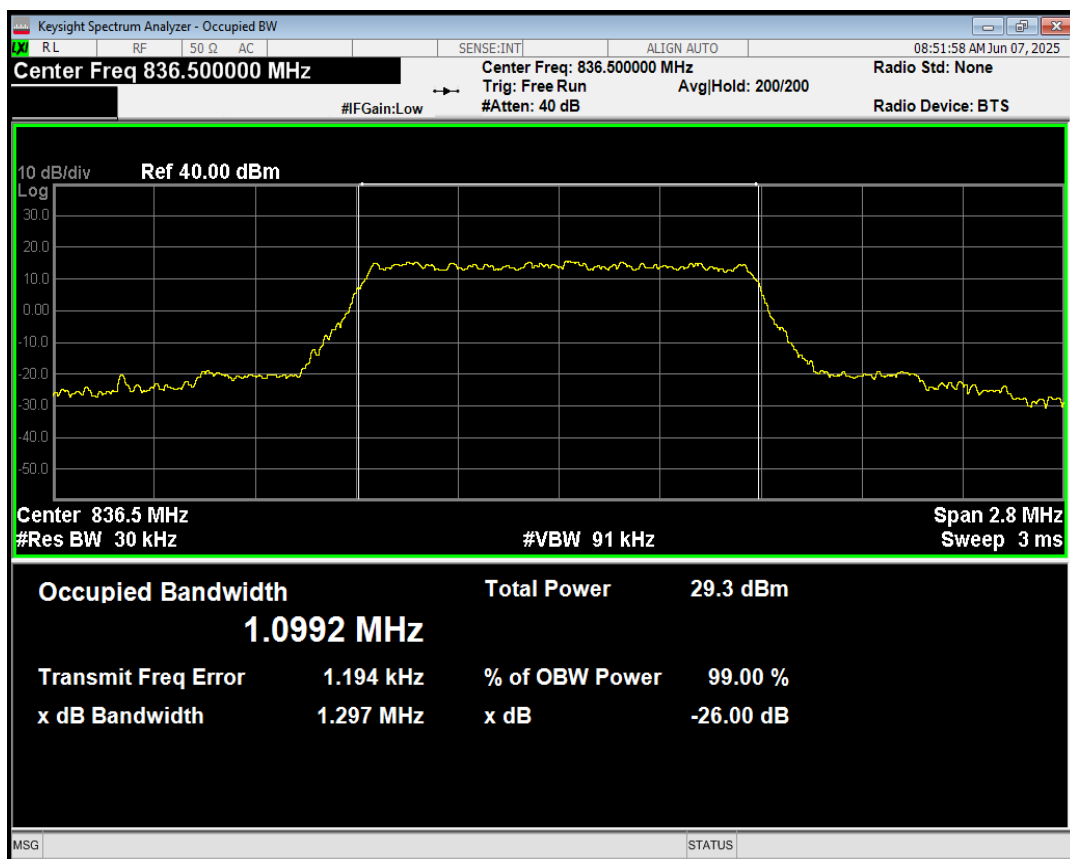
Band41 QAM16 BW=20MHz Channel=40620 RB Size=1 Position=#0



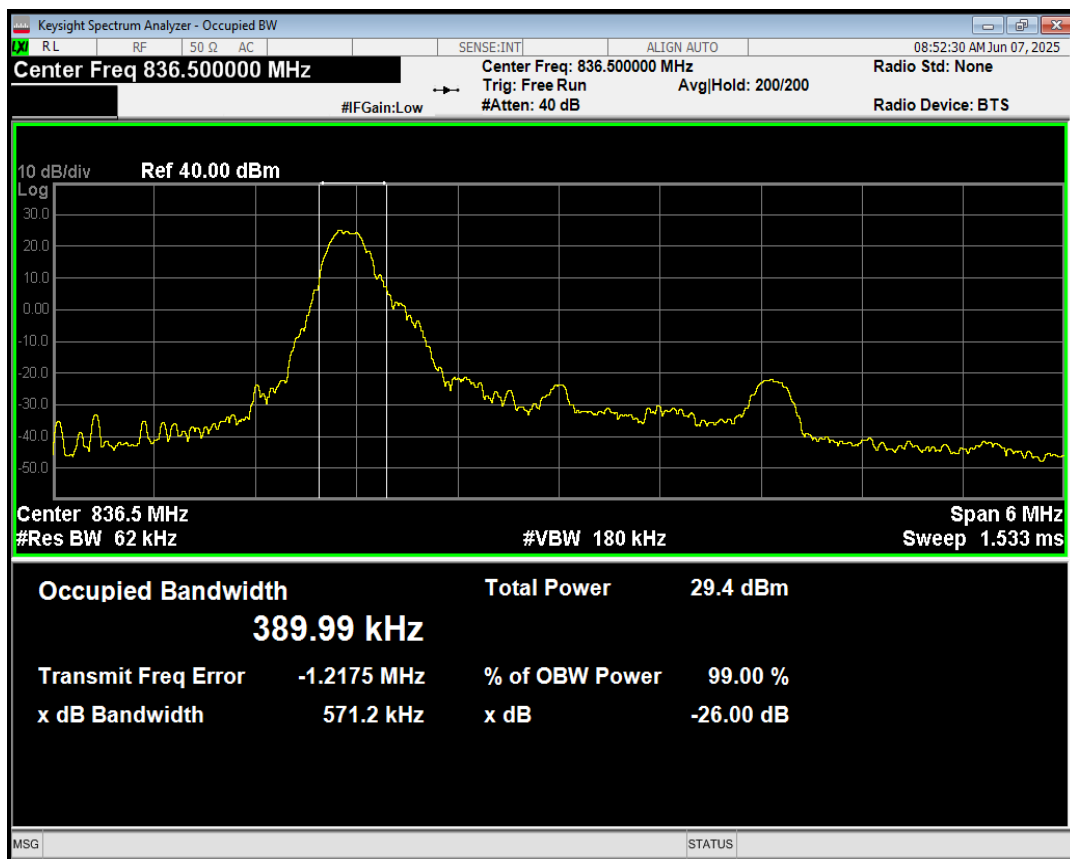
Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=1 Position=#0



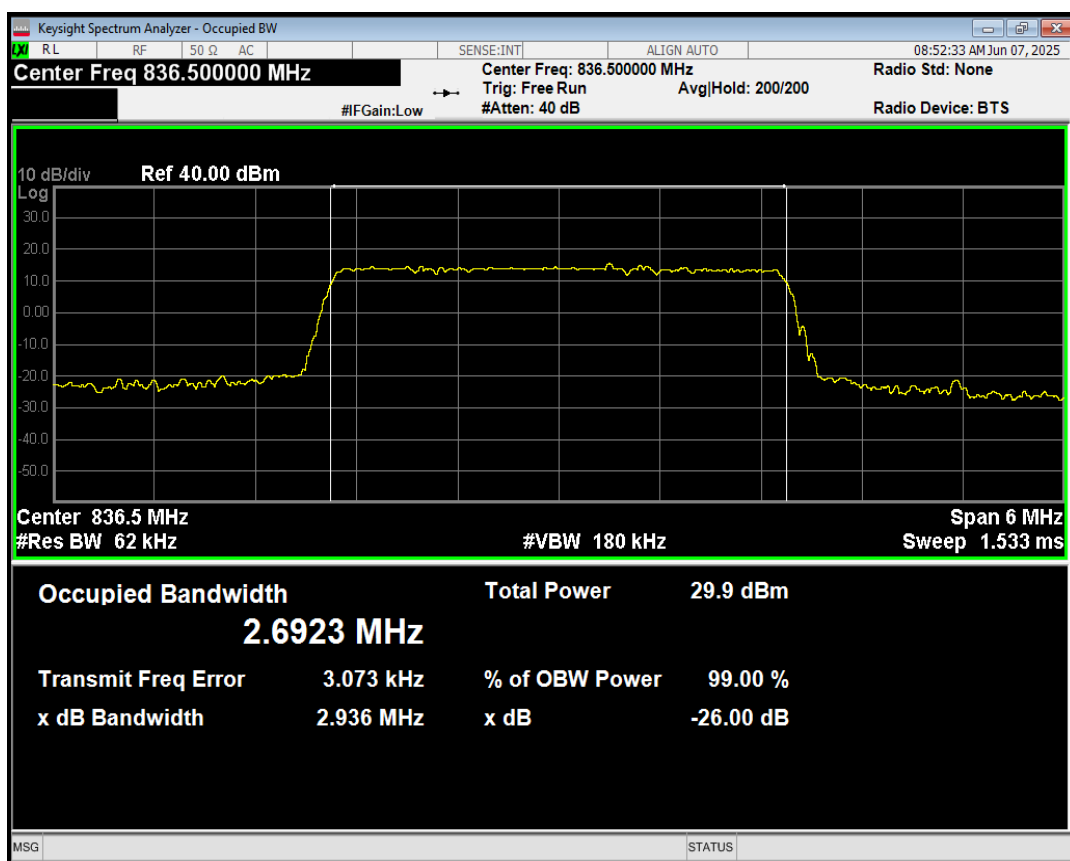
Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=6 Position=#0



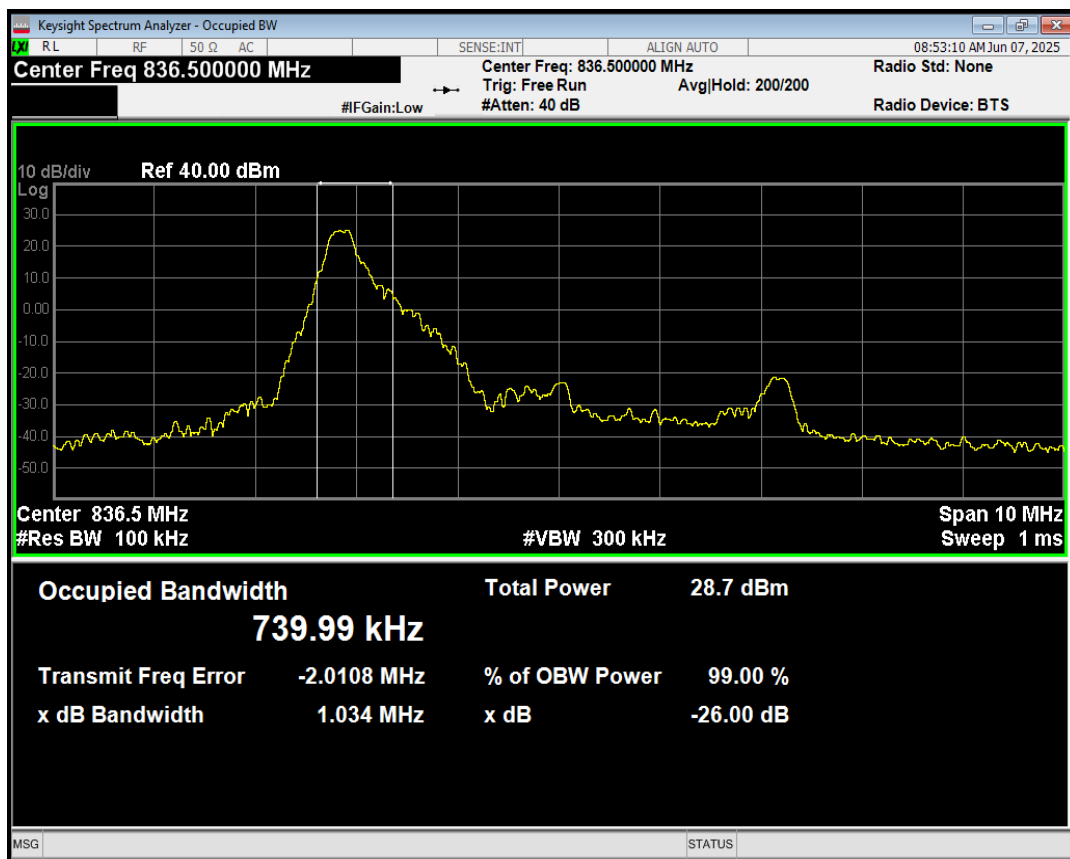
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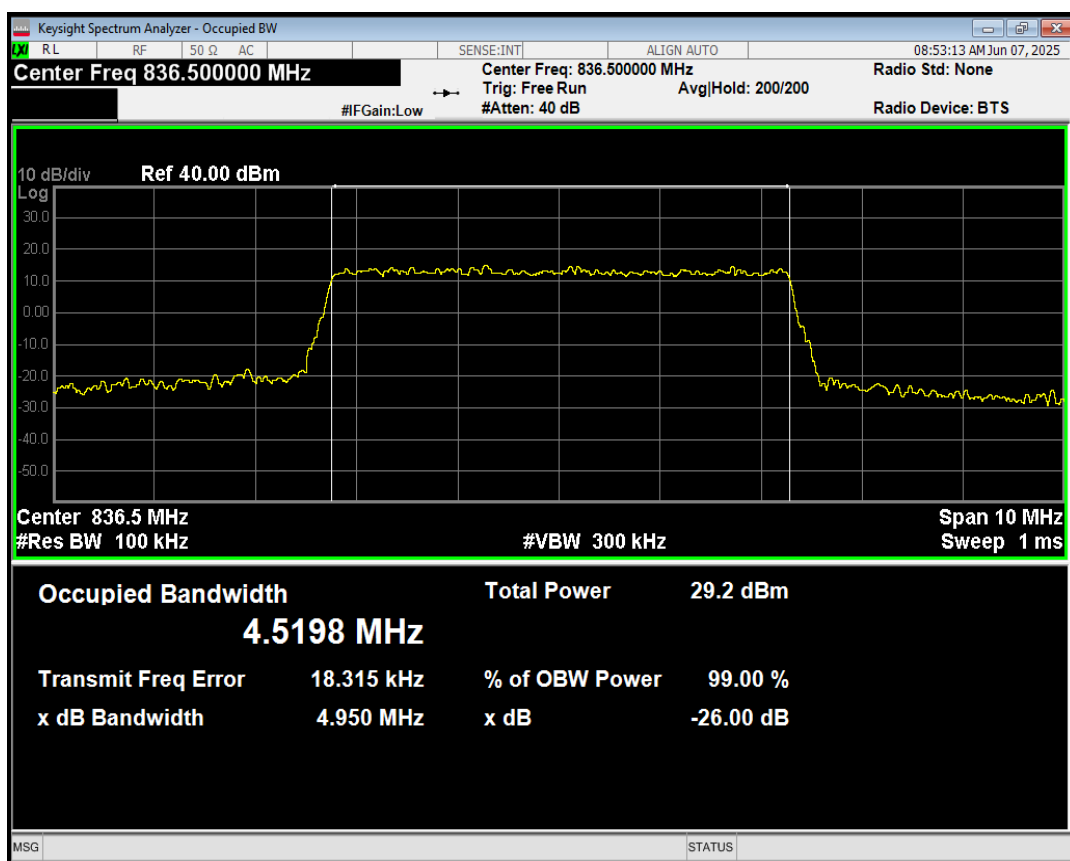
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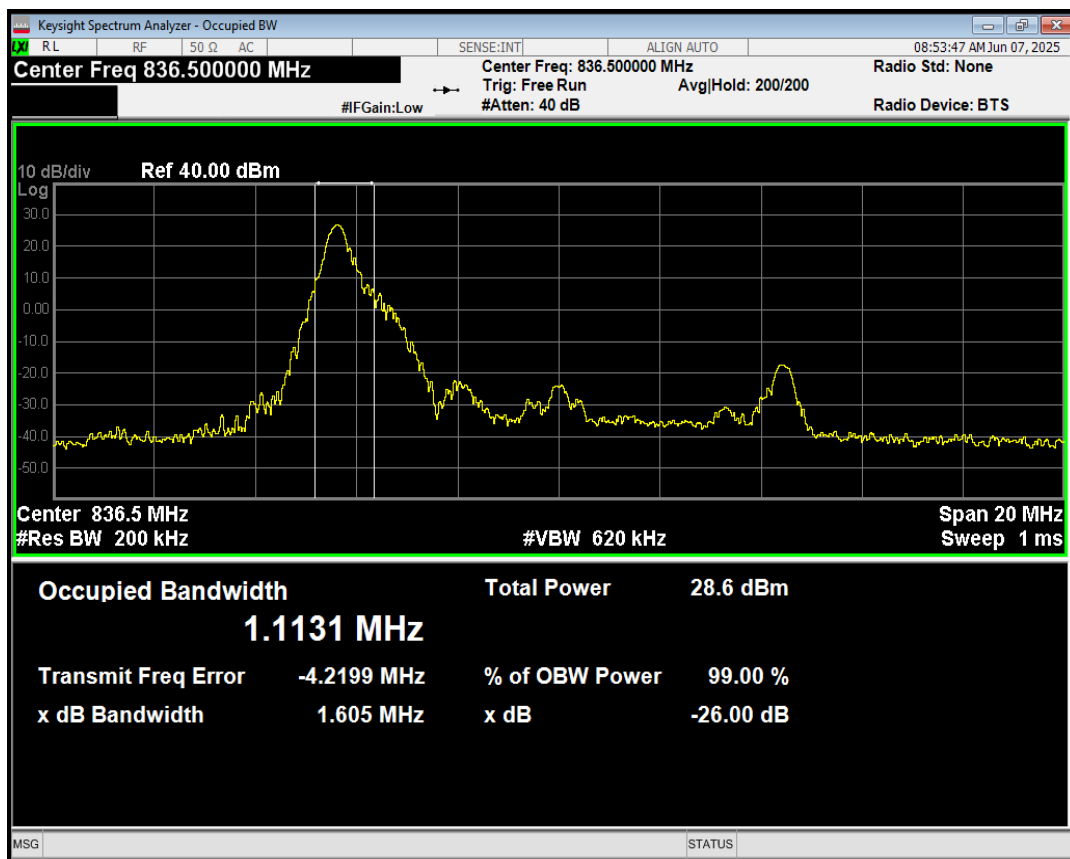
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Band5 QAM16 BW=5MHz Channel=20525 RB Size=25 Position=#0



Band5 QAM16 BW=10MHz Channel=20525 RB Size=1 Position=#0



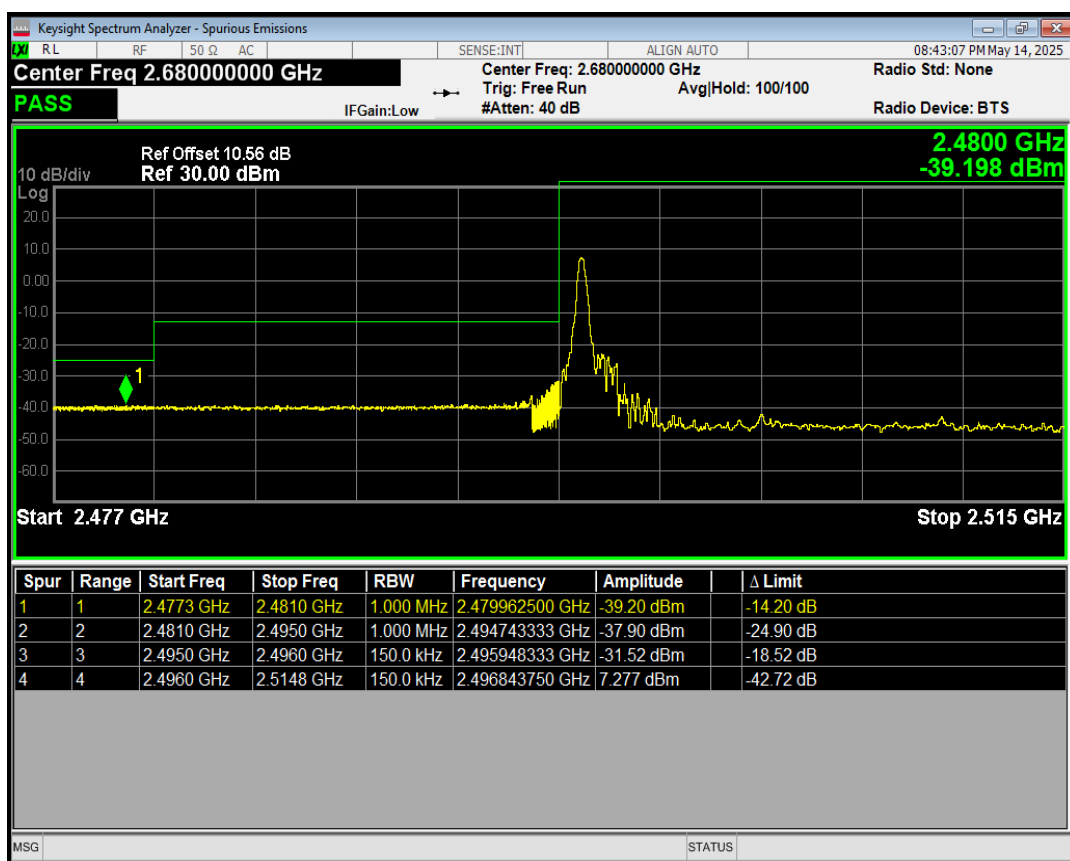
05 Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41	5	39675	1	#0	QPSK	2494.88	-18.25	-13	PASS
Band41	5	39675	25	#0	QPSK	2494.98	-19.02	-13	PASS
Band41	5	39675	1	#0	QAM16	2494.94	-15.65	-13	PASS
Band41	5	39675	25	#0	QAM16	2494.95	-20.32	-13	PASS
Band41	5	41565	1	#0	QPSK	2698.77	-38.45	-25	PASS
Band41	5	41565	25	#0	QPSK	2691.05	-19.72	-10	PASS
Band41	5	41565	1	#0	QAM16	2698.14	-38.18	-25	PASS
Band41	5	41565	25	#0	QAM16	2691.01	-19.83	-10	PASS
Band41	10	39700	1	#0	QPSK	2485.73	-39.30	-25	PASS
Band41	10	39700	50	#0	QPSK	2494.91	-25.91	-13	PASS
Band41	10	39700	1	#0	QAM16	2485.98	-39.40	-25	PASS
Band41	10	41540	1	#0	QPSK	2701.90	-38.45	-25	PASS
Band41	10	41540	50	#0	QPSK	2691.03	-22.69	-10	PASS
Band41	10	41540	1	#0	QAM16	2701.27	-38.33	-25	PASS
Band41	15	39725	1	#0	QPSK	2478.28	-39.24	-25	PASS
Band41	15	39725	75	#0	QPSK	2477.76	-37.79	-25	PASS
Band41	15	39725	1	#0	QAM16	2479.96	-39.20	-25	PASS
Band41	15	41515	1	#0	QPSK	2707.73	-38.79	-25	PASS
Band41	15	41515	75	#0	QPSK	2691.11	-21.70	-10	PASS
Band41	15	41515	1	#0	QAM16	2707.62	-38.52	-25	PASS
Band41	20	39750	1	#0	QPSK	2475.69	-39.32	-25	PASS
Band41	20	39750	100	#0	QPSK	2472.00	-37.55	-25	PASS
Band41	20	39750	1	#0	QAM16	2471.30	-39.45	-25	PASS
Band41	20	41490	1	#0	QPSK	2711.31	-38.38	-25	PASS
Band41	20	41490	100	#0	QPSK	2713.91	-38.53	-25	PASS
Band41	20	41490	1	#0	QAM16	2712.52	-38.61	-25	PASS
Band5	1.4	20407	1	#0	QPSK	824.00	-23.58	-13	PASS
Band5	1.4	20407	6	#0	QPSK	824.00	-30.37	-13	PASS
Band5	1.4	20407	1	#0	QAM16	824.00	-24.65	-13	PASS
Band5	1.4	20407	6	#0	QAM16	823.99	-30.09	-13	PASS
Band5	1.4	20643	1	#0	QPSK	849.65	-37.47	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.00	-32.28	-13	PASS
Band5	1.4	20643	1	#0	QAM16	849.64	-39.09	-13	PASS
Band5	1.4	20643	6	#0	QAM16	849.00	-31.91	-13	PASS
Band5	3	20415	1	#0	QPSK	824.00	-22.47	-13	PASS
Band5	3	20415	15	#0	QPSK	824.00	-31.61	-13	PASS
Band5	3	20415	1	#0	QAM16	824.00	-21.93	-13	PASS
Band5	3	20415	15	#0	QAM16	823.98	-31.62	-13	PASS
Band5	3	20635	1	#0	QPSK	851.28	-35.93	-13	PASS
Band5	3	20635	15	#0	QPSK	849.00	-32.90	-13	PASS
Band5	3	20635	1	#0	QAM16	851.21	-37.99	-13	PASS

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Band5	3	20635	15	#0	QAM16	849.01	-33.50	-13	PASS
Band5	5	20425	1	#0	QPSK	824.00	-20.23	-13	PASS
Band5	5	20425	25	#0	QPSK	824.00	-31.90	-13	PASS
Band5	5	20425	1	#0	QAM16	823.98	-20.64	-13	PASS
Band5	5	20425	25	#0	QAM16	823.99	-30.63	-13	PASS
Band5	5	20625	1	#0	QPSK	852.98	-34.23	-13	PASS
Band5	5	20625	25	#0	QPSK	849.01	-31.87	-13	PASS
Band5	5	20625	1	#0	QAM16	852.94	-35.50	-13	PASS
Band5	5	20625	25	#0	QAM16	849.02	-33.00	-13	PASS
Band5	10	20450	1	#0	QPSK	823.98	-22.43	-13	PASS
Band5	10	20450	50	#0	QPSK	824.00	-32.46	-13	PASS
Band5	10	20450	1	#0	QAM16	823.98	-23.29	-13	PASS
Band5	10	20600	1	#0	QPSK	857.22	-34.71	-13	PASS
Band5	10	20600	50	#0	QPSK	849.00	-33.56	-13	PASS
Band5	10	20600	1	#0	QAM16	857.20	-35.96	-13	PASS

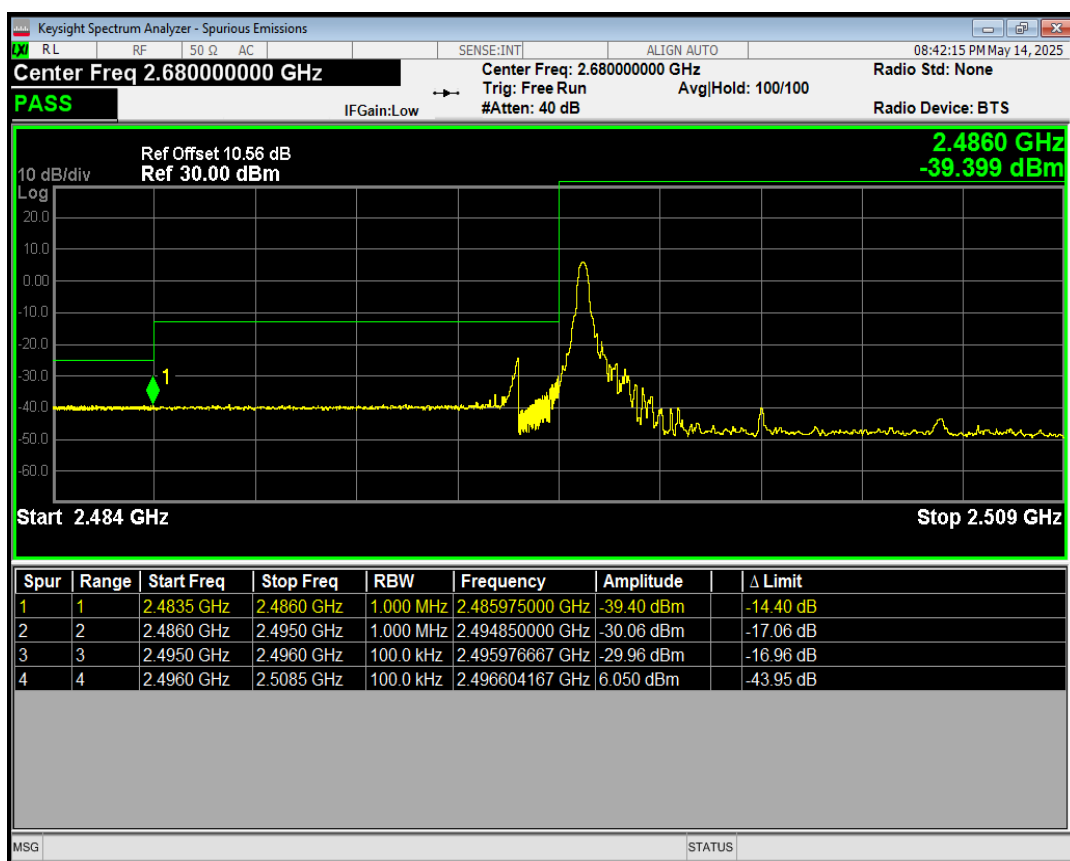
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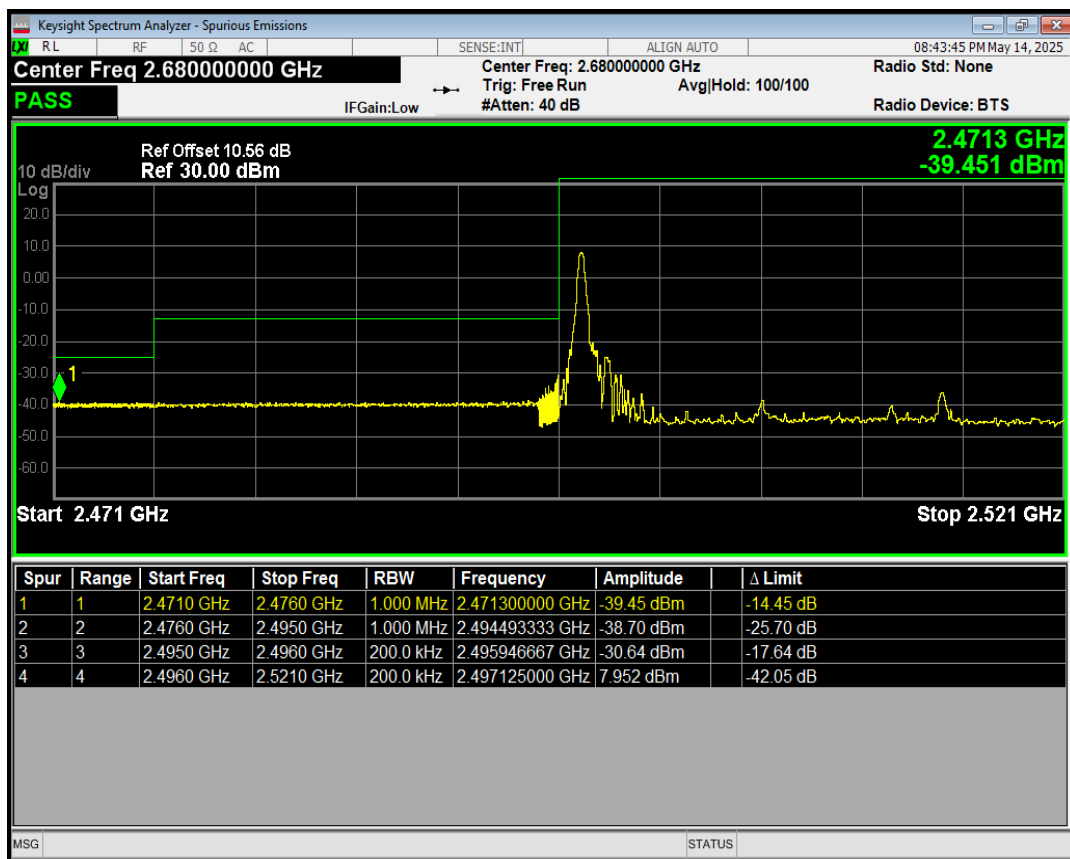
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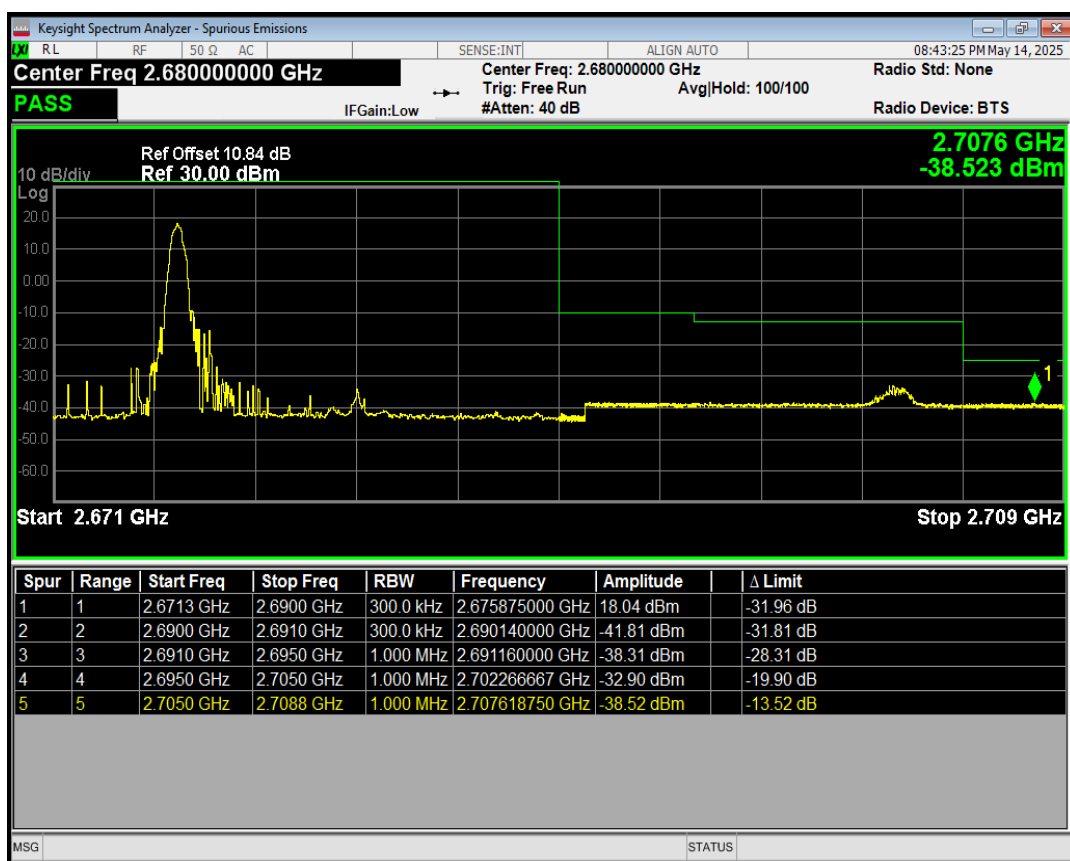
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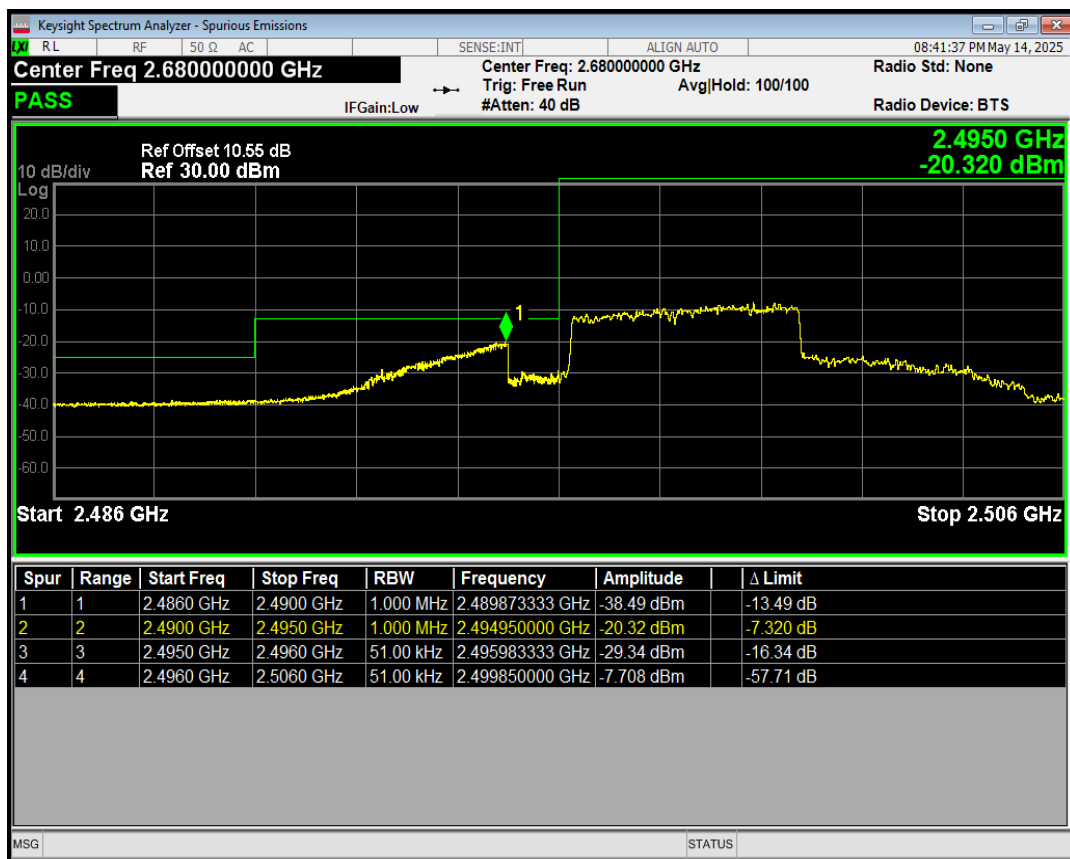
Band41 QAM16 BW=20MHz Channel=39750 RB Size=1 Position=#0



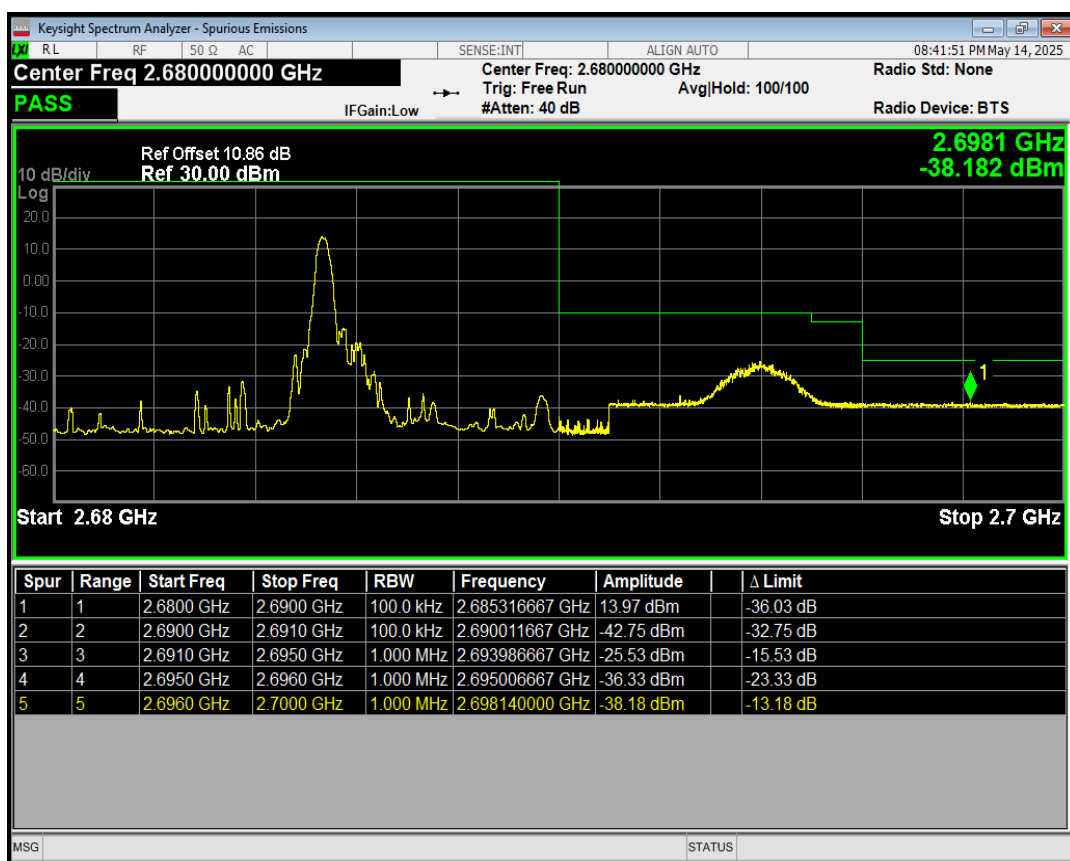
Band41 QAM16 BW=15MHz Channel=41515 RB Size=1 Position=#0



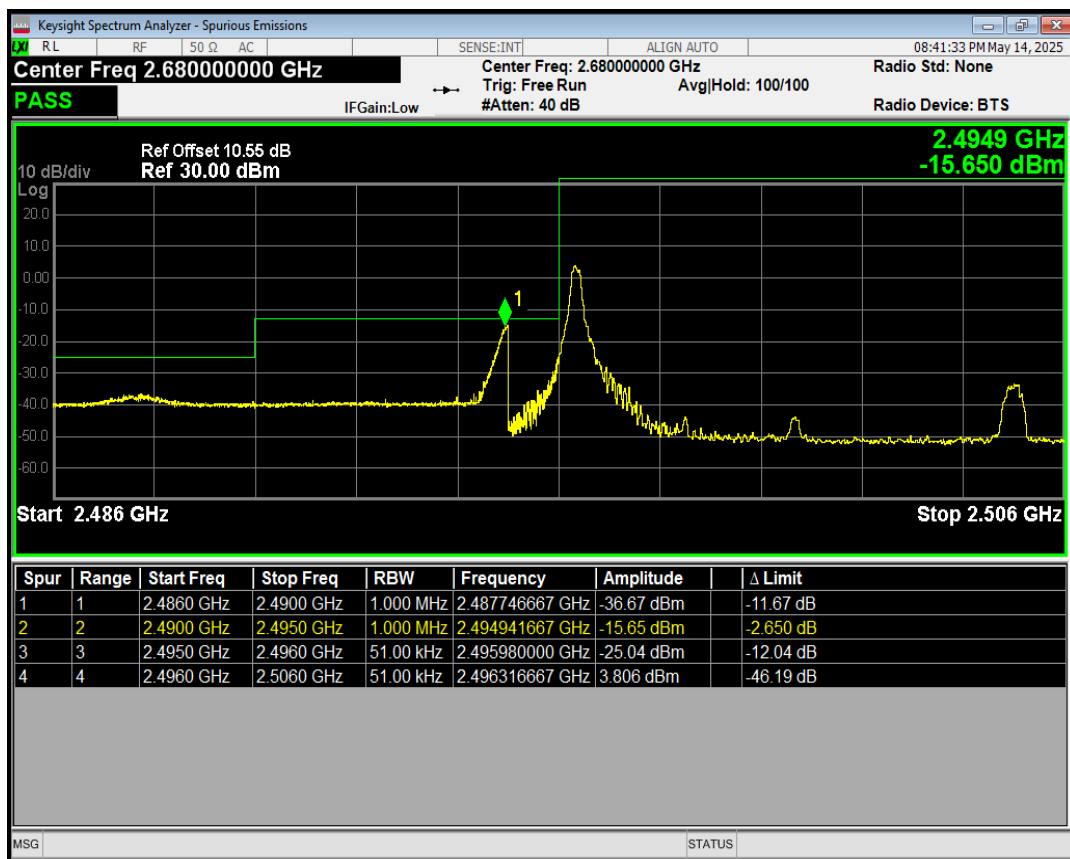
Band41 QAM16 BW=5MHz Channel=39675 RB Size=25 Position=#0



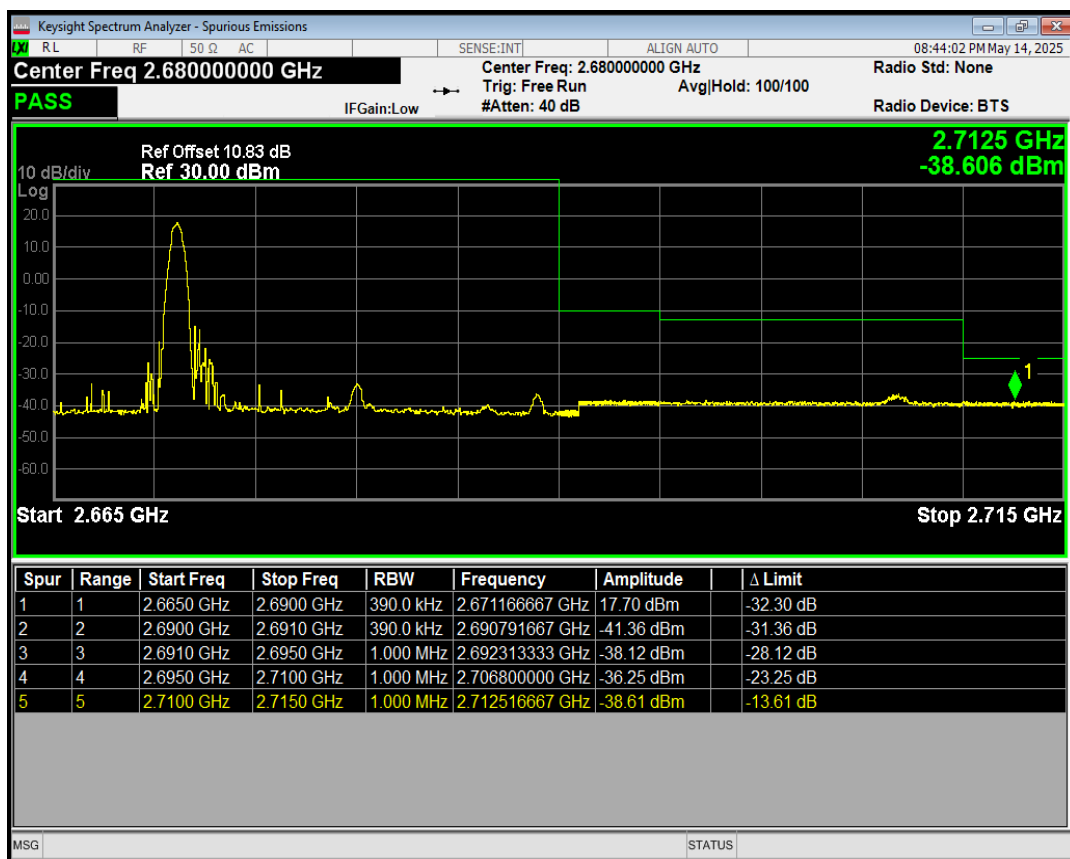
Band41 QAM16 BW=5MHz Channel=41565 RB Size=1 Position=#0



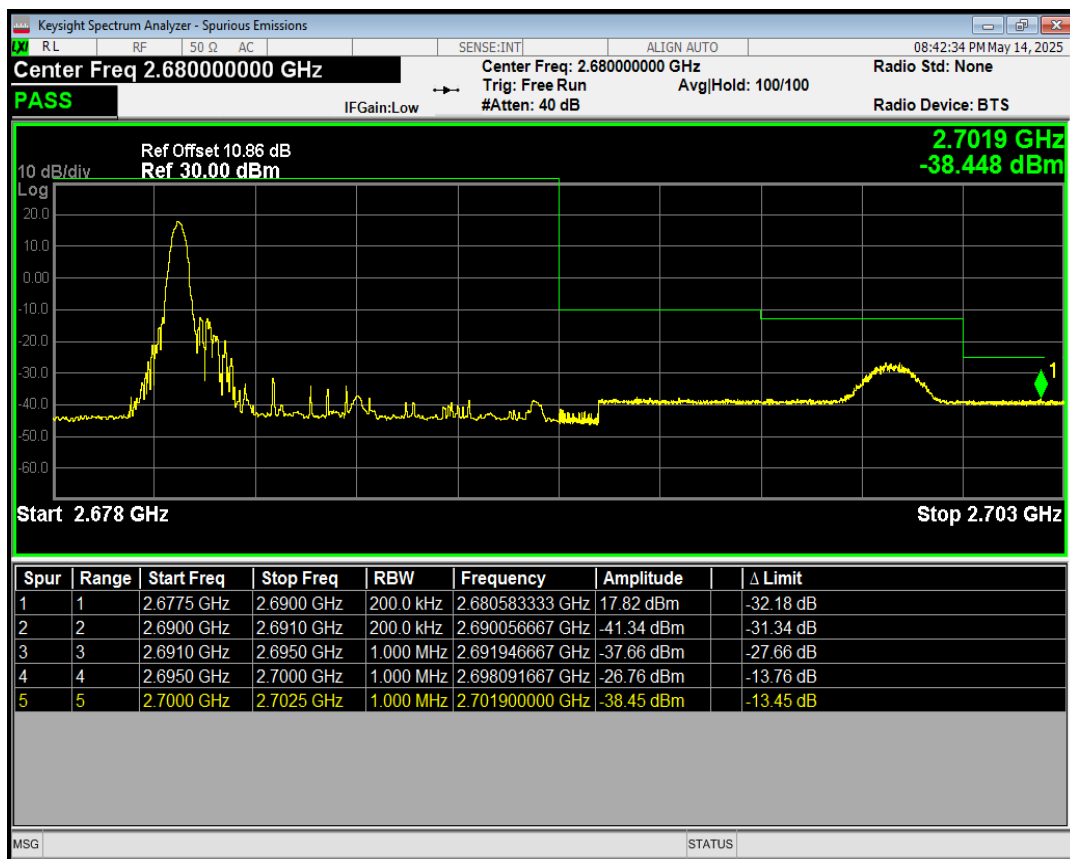
Band41 QAM16 BW=5MHz Channel=39675 RB Size=1 Position=#0



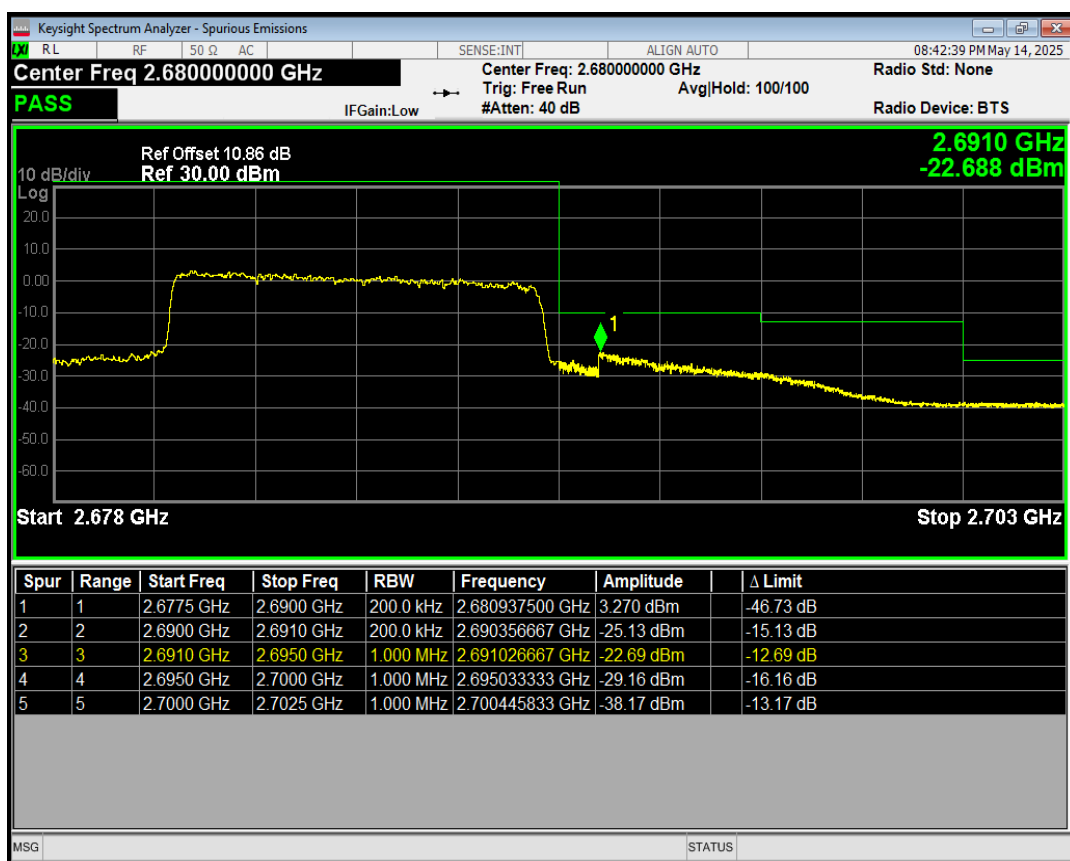
Band41 QAM16 BW=20MHz Channel=41490 RB Size=1 Position=#0



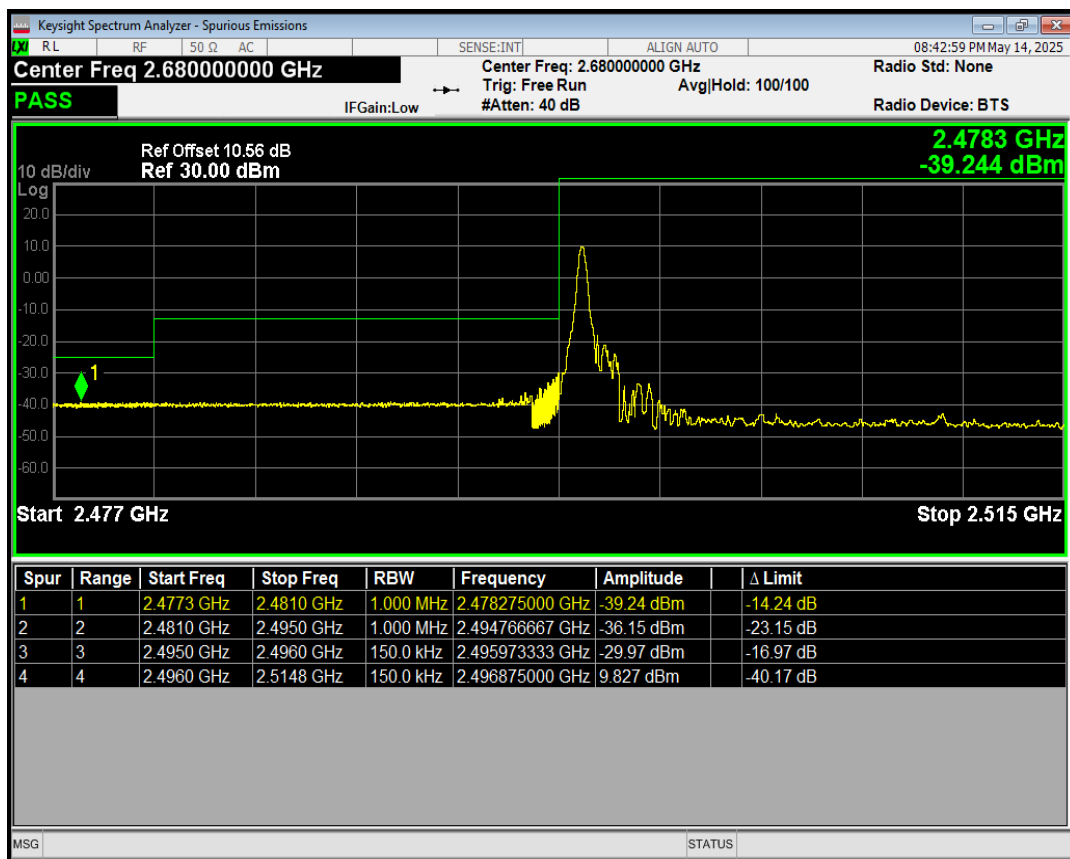
Band41 QPSK BW=10MHz Channel=41540 RB Size=1 Position=#0



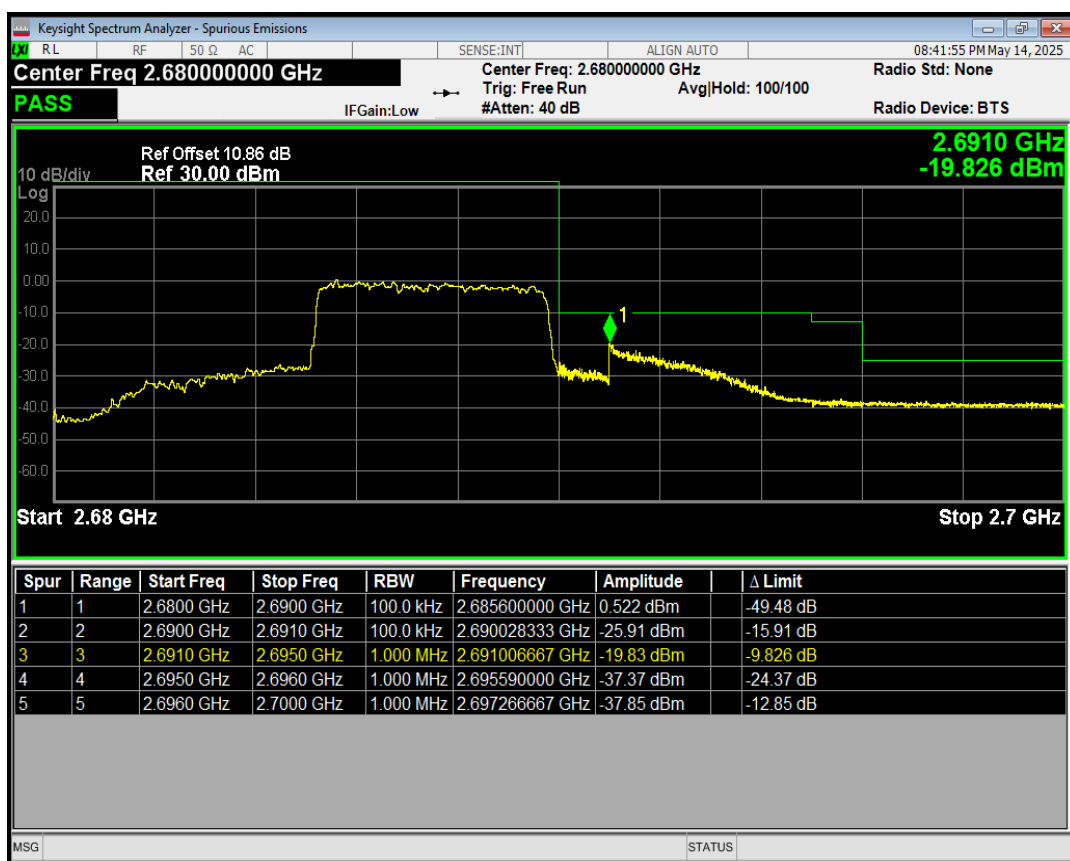
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0



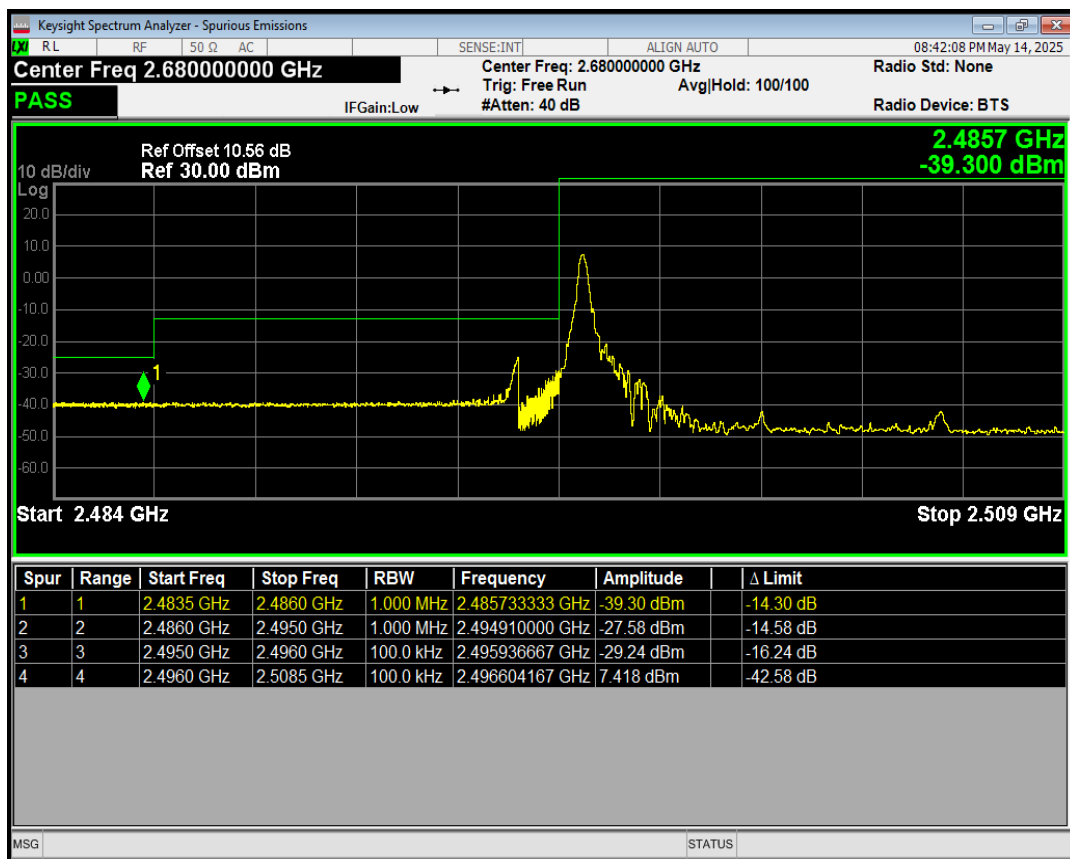
Band41 QPSK BW=15MHz Channel=39725 RB Size=1 Position=#0



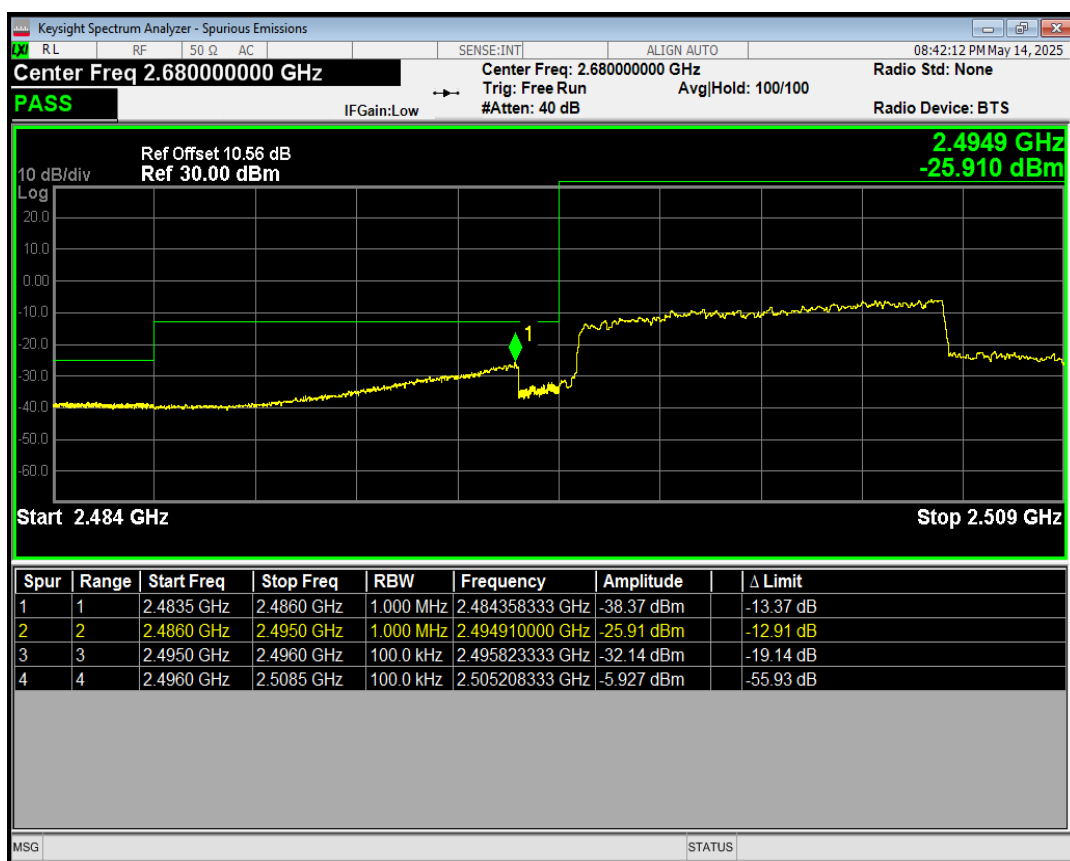
Band41 QAM16 BW=5MHz Channel=41565 RB Size=25 Position=#0



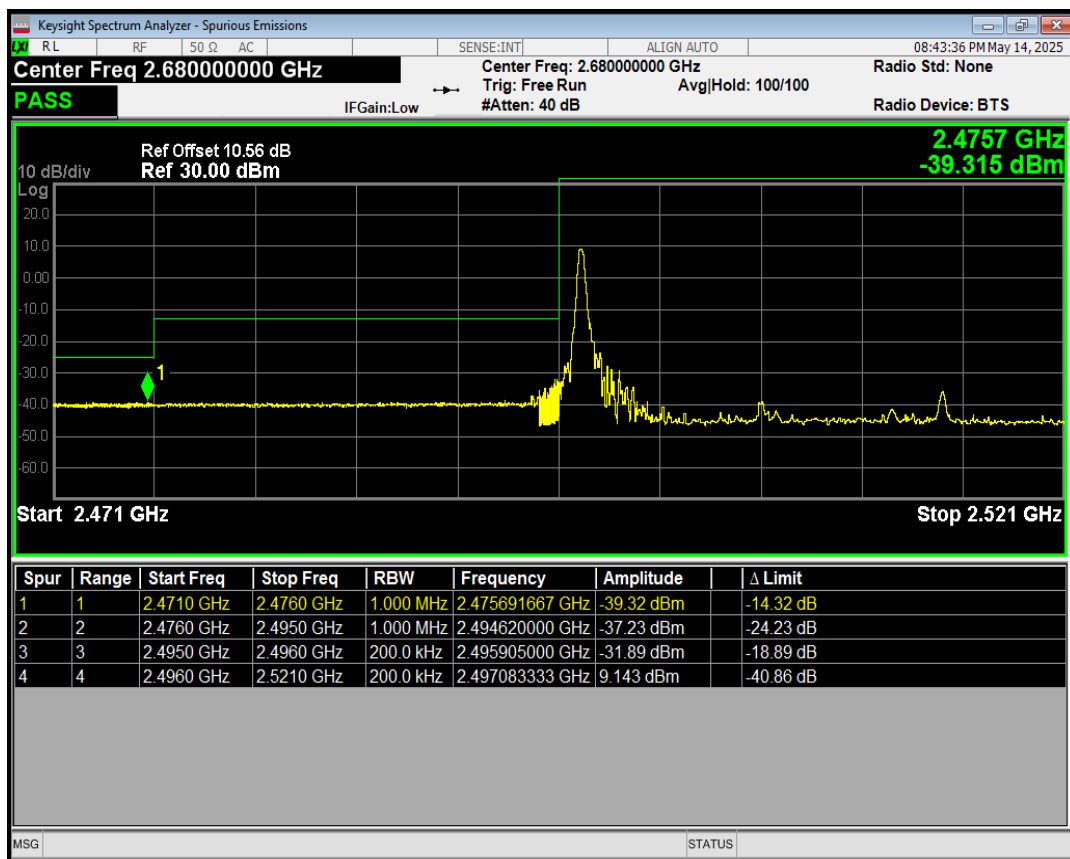
Band41 QPSK BW=10MHz Channel=39700 RB Size=1 Position=#0



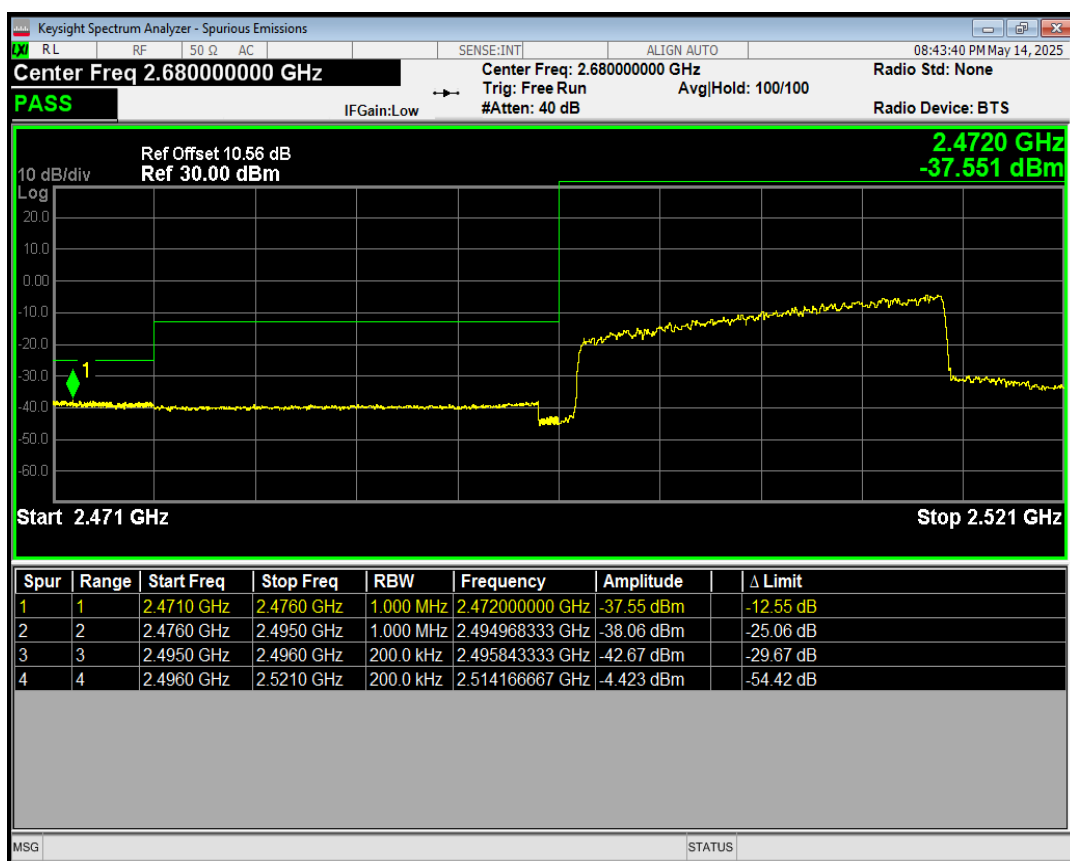
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0



Band41 QPSK BW=20MHz Channel=39750 RB Size=1 Position=#0



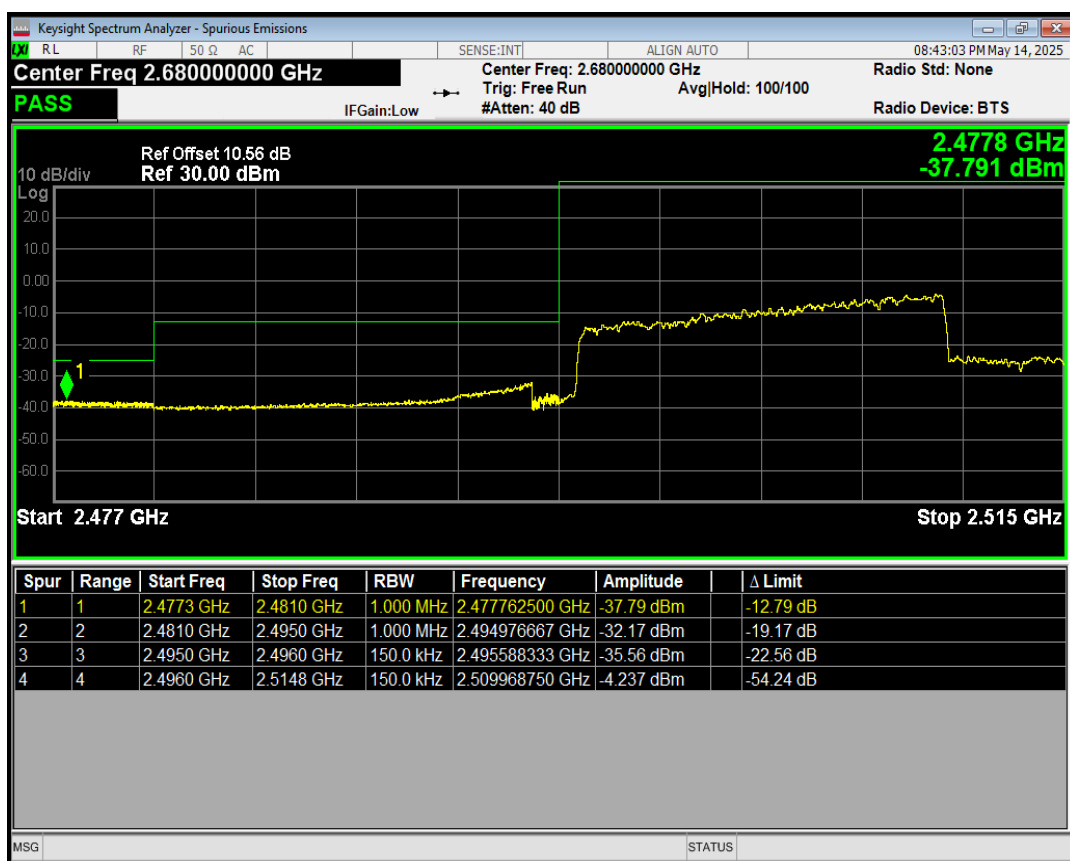
Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0



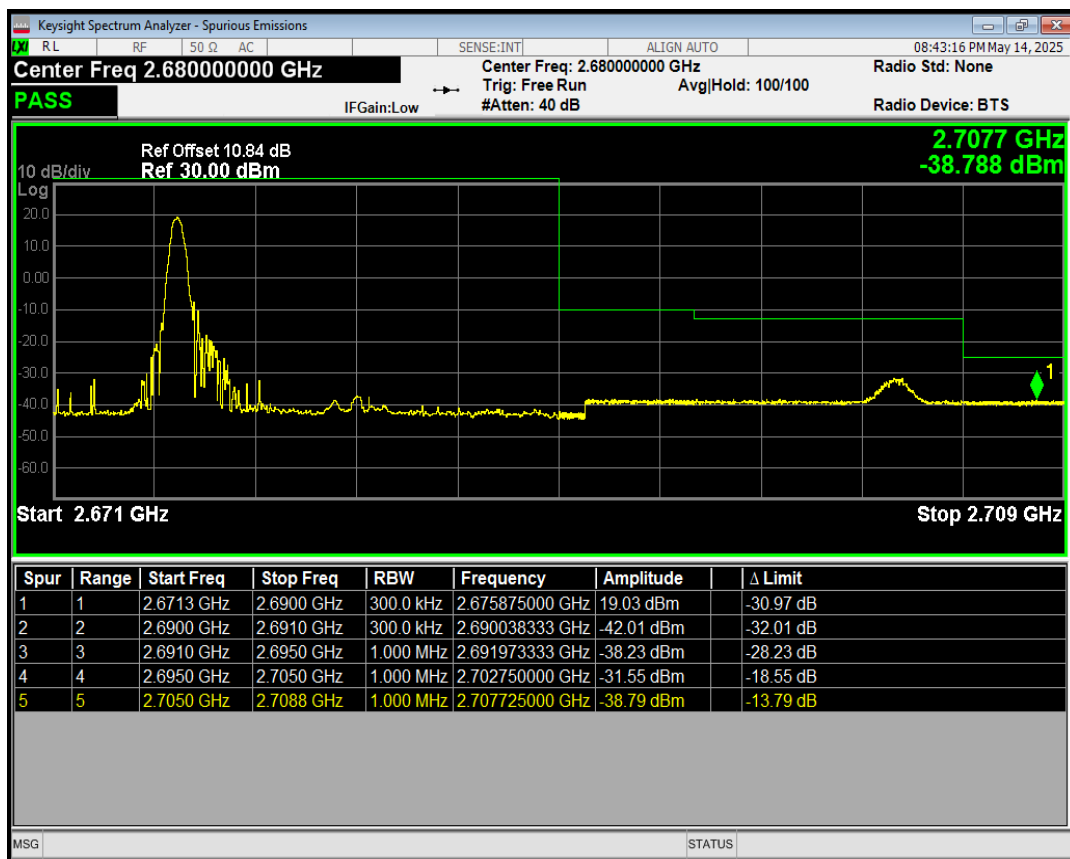
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0



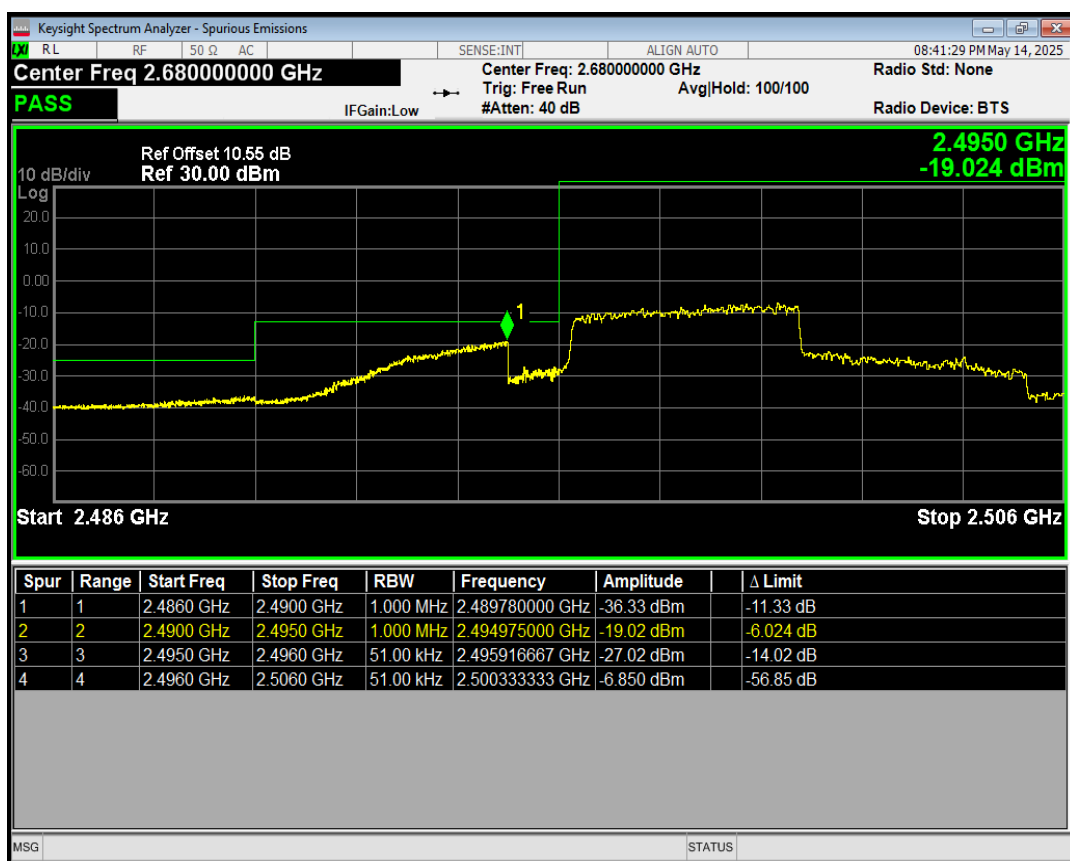
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0



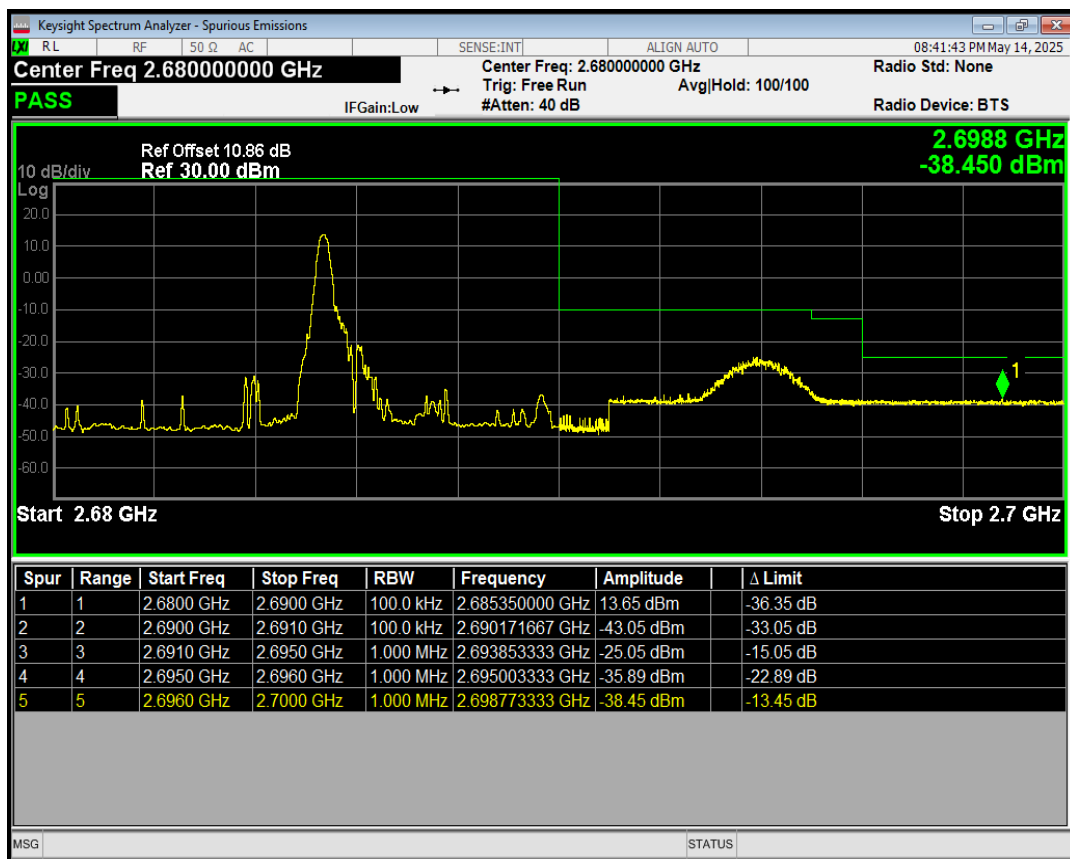
Band41 QPSK BW=15MHz Channel=41515 RB Size=1 Position=#0



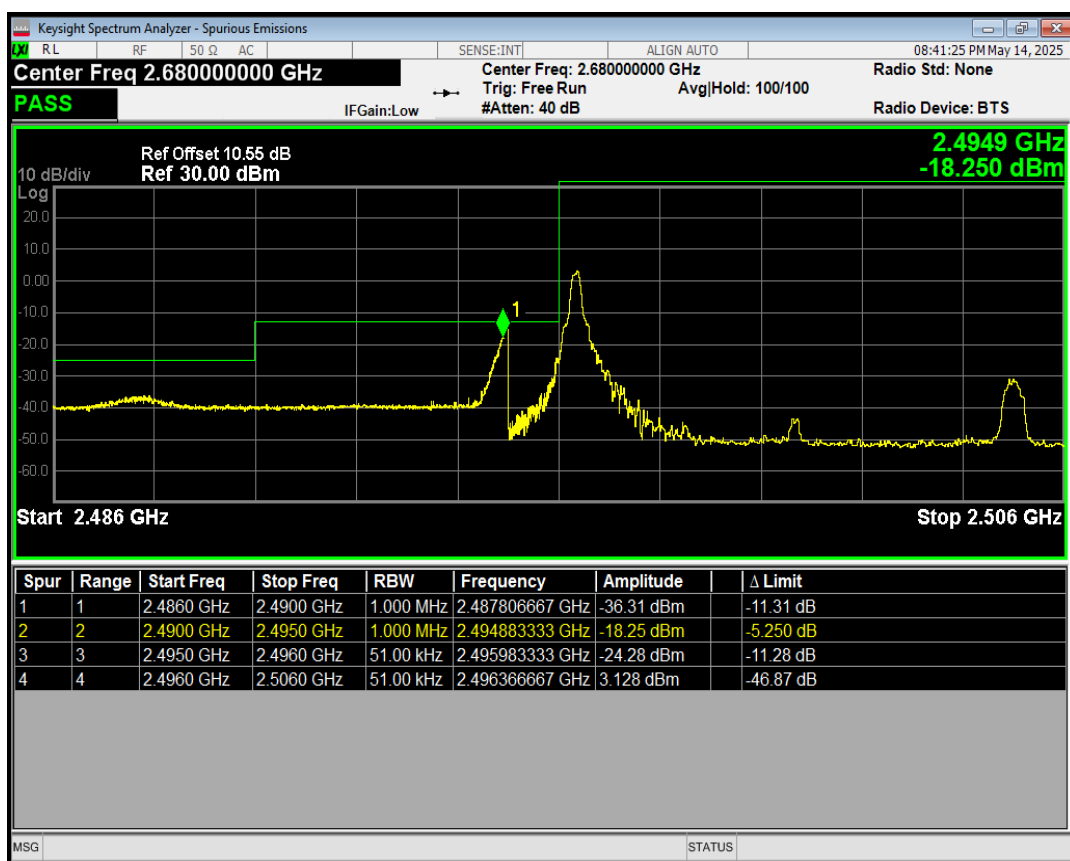
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0



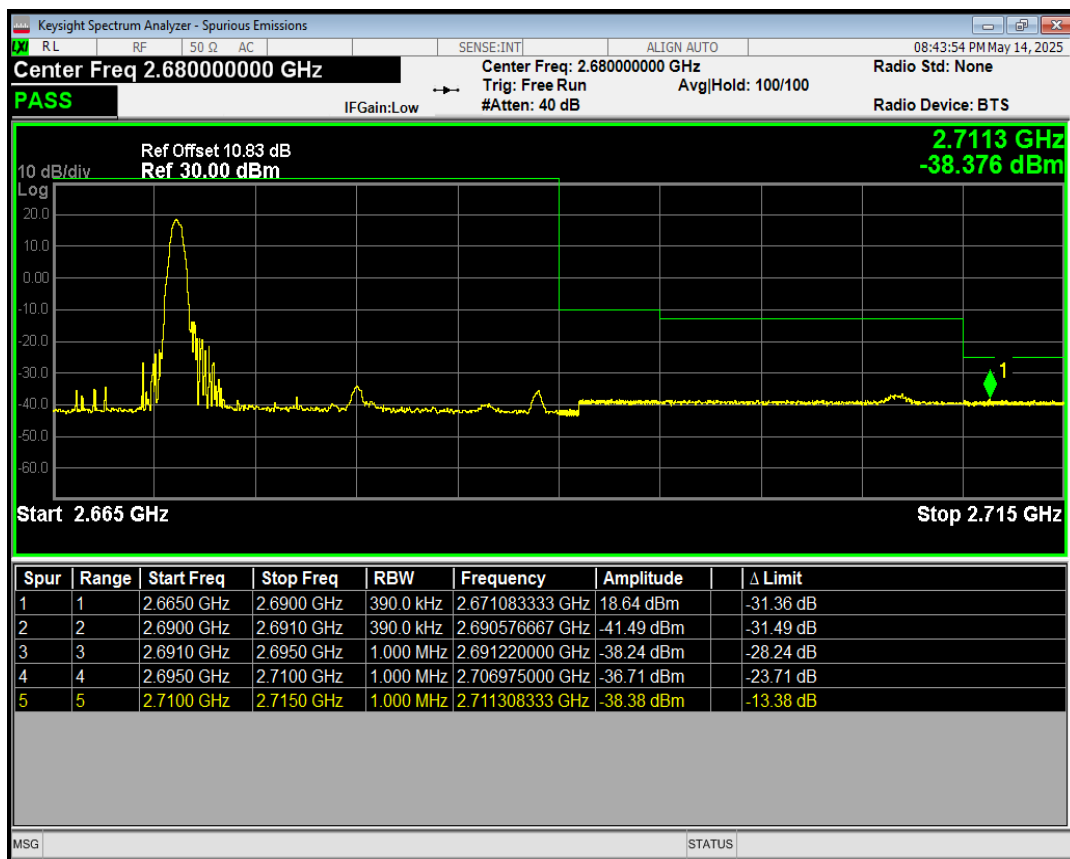
Band41 QPSK BW=5MHz Channel=41565 RB Size=1 Position=#0



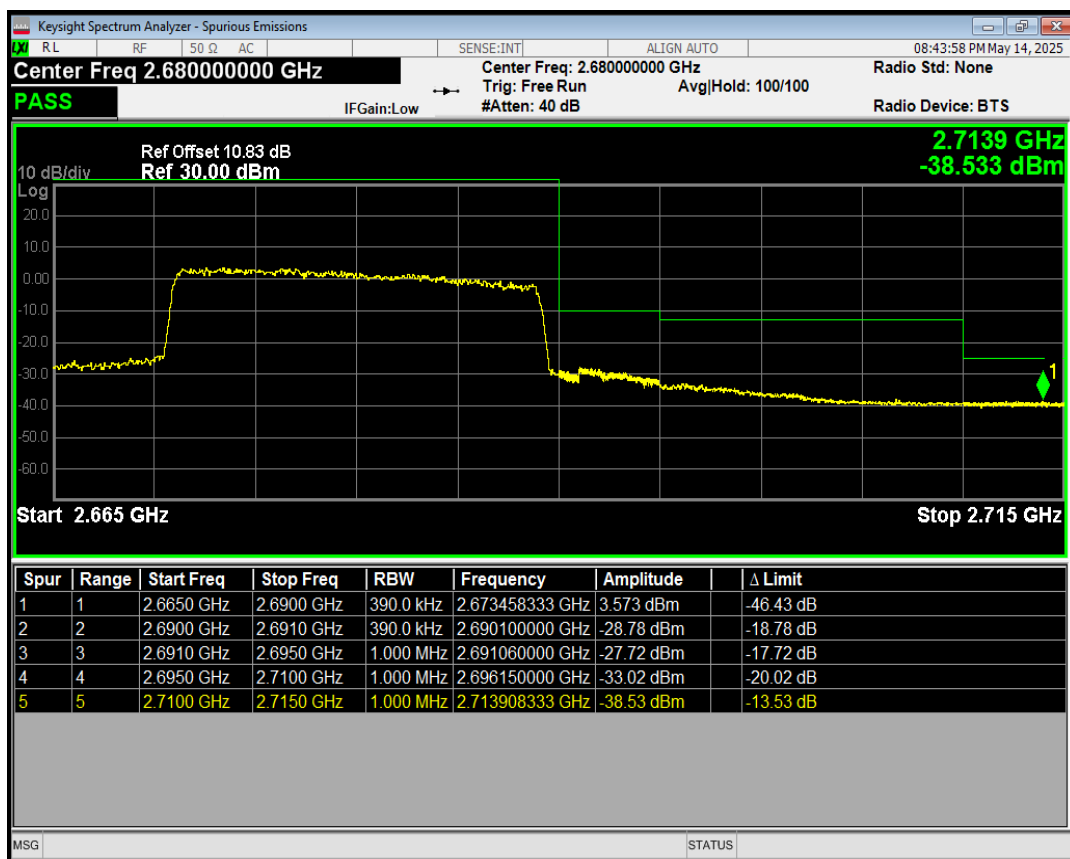
Band41 QPSK BW=5MHz Channel=39675 RB Size=1 Position=#0



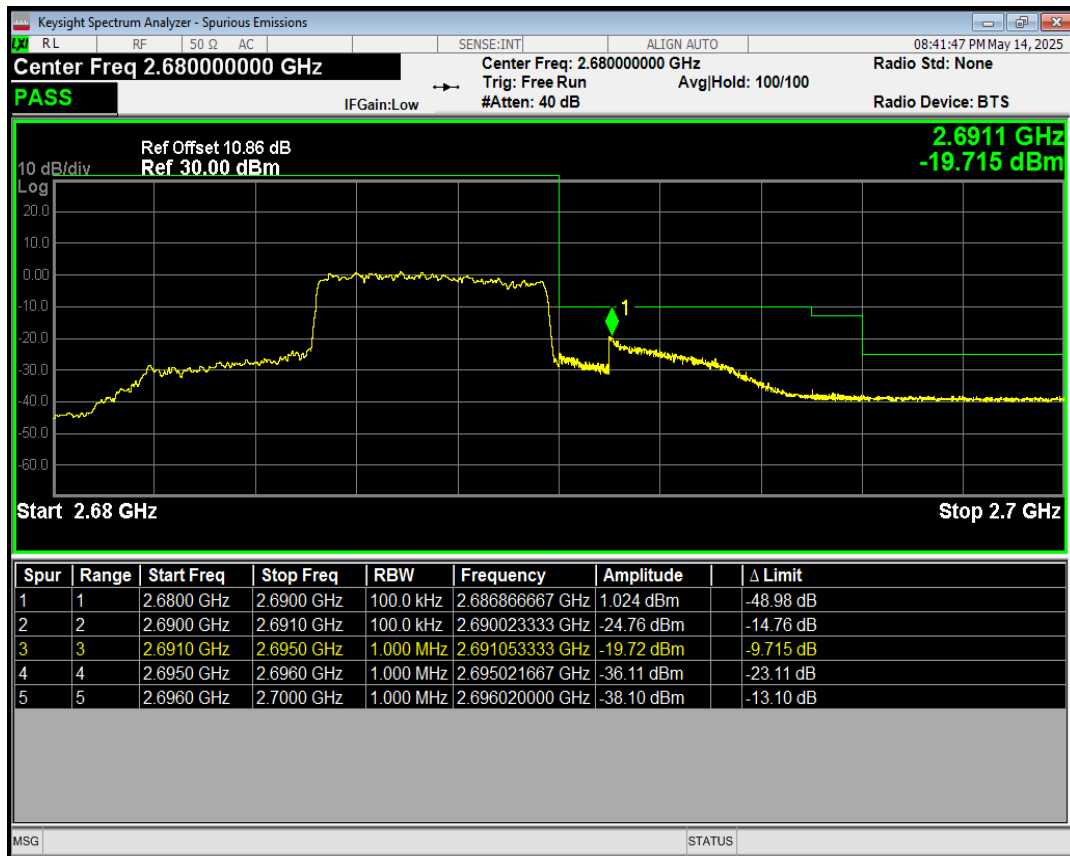
Band41 QPSK BW=20MHz Channel=41490 RB Size=1 Position=#0



Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0



Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0



Band5 QAM16 BW=1.4MHz Channel=20407 RB Size=1 Position=#0

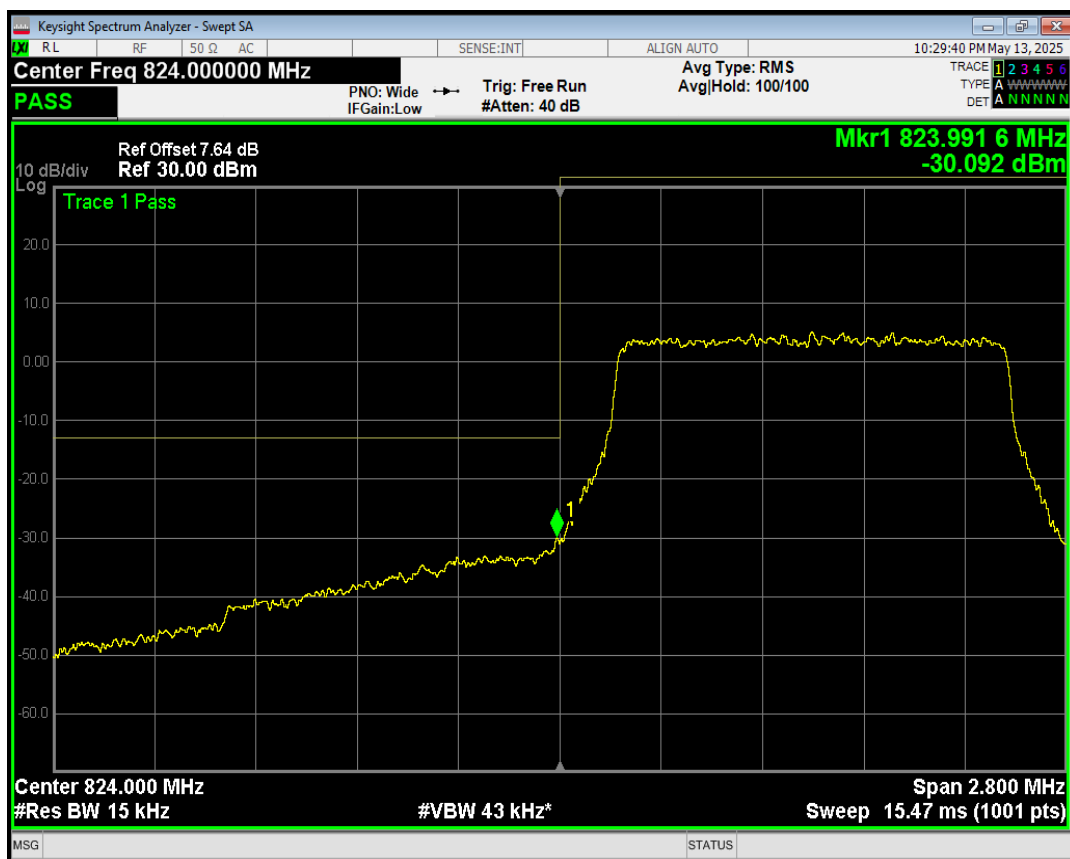


Band5 QAM16 BW=1.4MHz Channel=20643 RB Size=1 Position=#0



Report

Band5 QAM16 BW=1.4MHz Channel=20407 RB Size=6 Position=#0



Band5 QAM16 BW=10MHz Channel=20450 RB Size=1 Position=#0



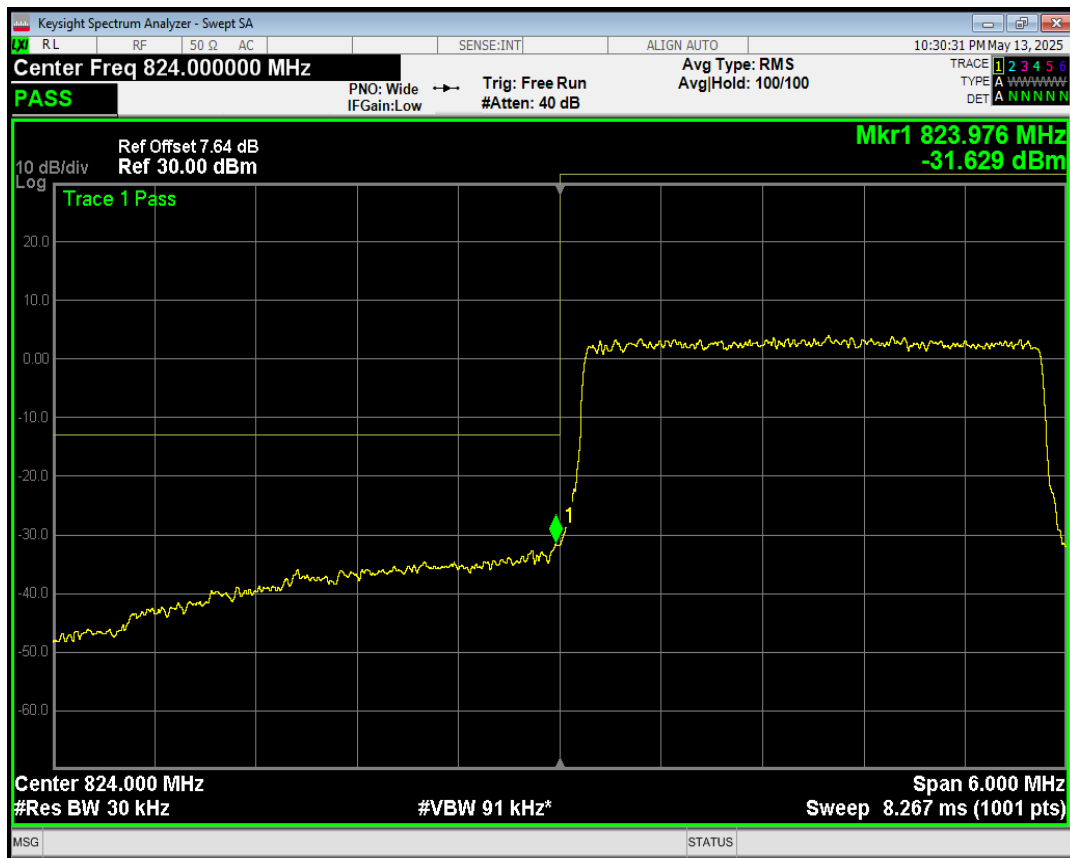
Band5 QAM16 BW=1.4MHz Channel=20643 RB Size=6 Position=#0



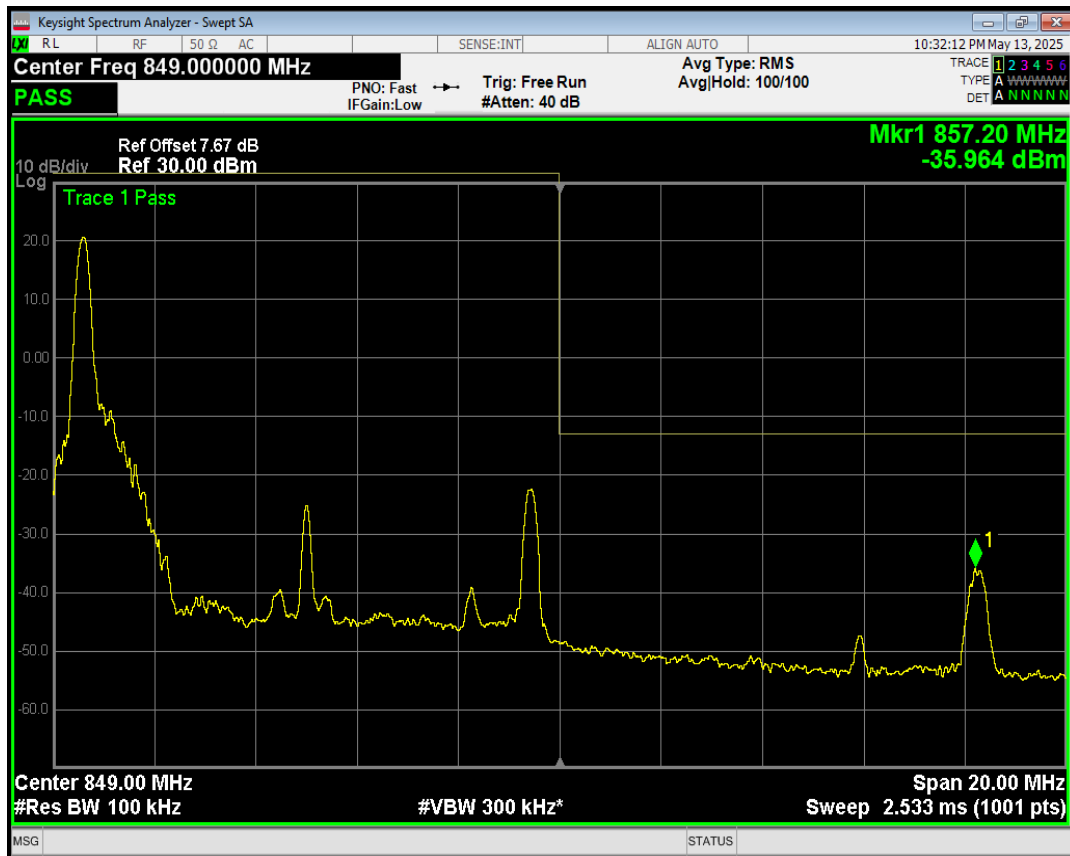
Band5 QAM16 BW=3MHz Channel=20415 RB Size=1 Position=#0



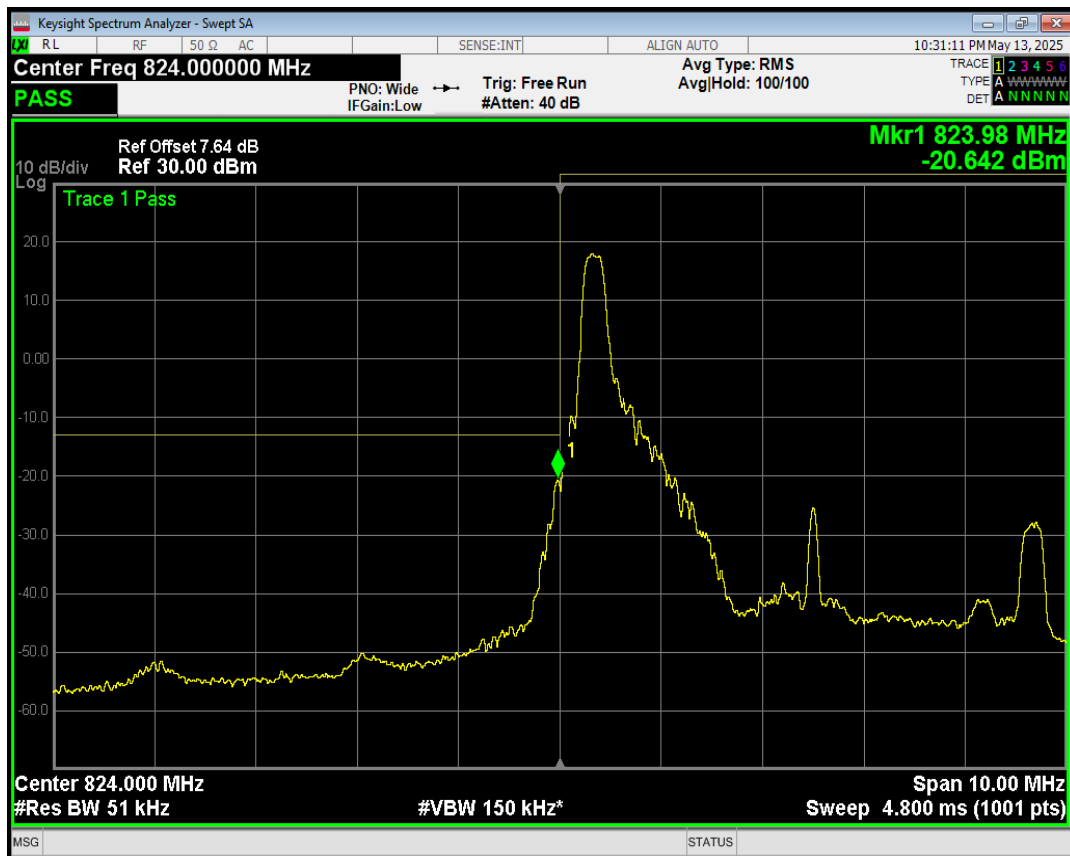
Band5 QAM16 BW=3MHz Channel=20415 RB Size=15 Position=#0



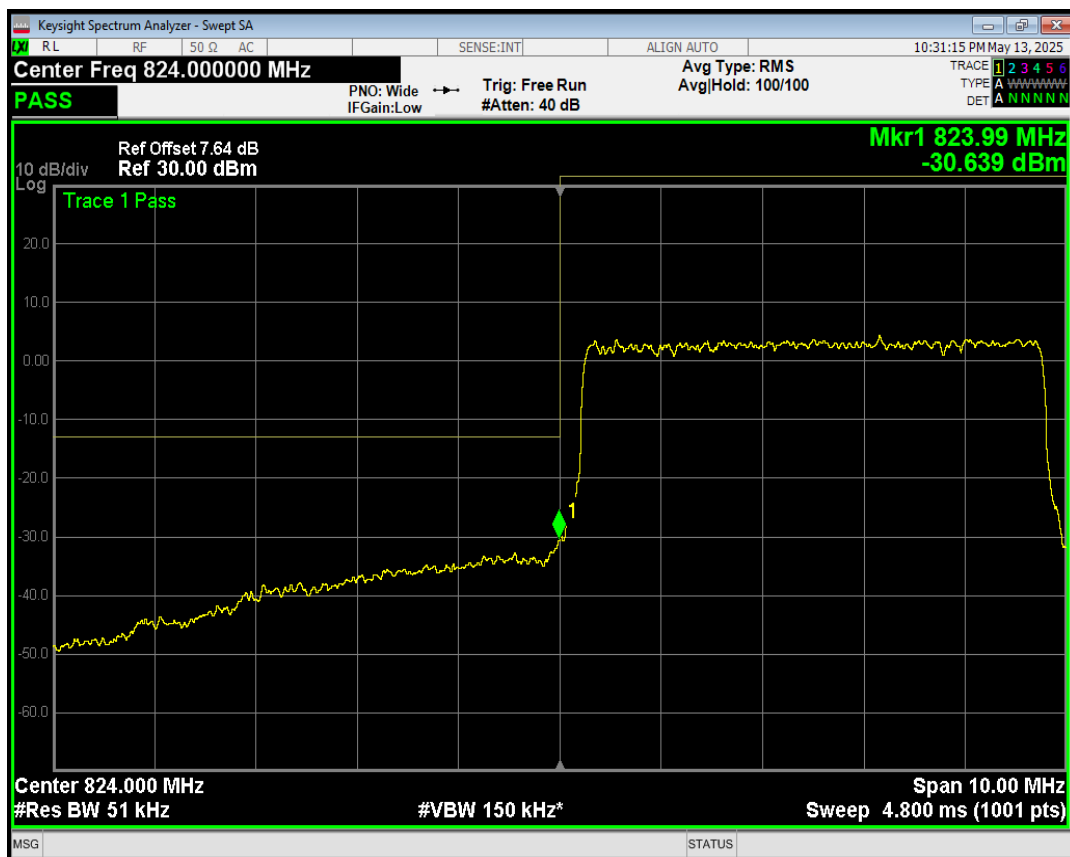
Band5 QAM16 BW=10MHz Channel=20600 RB Size=1 Position=#0



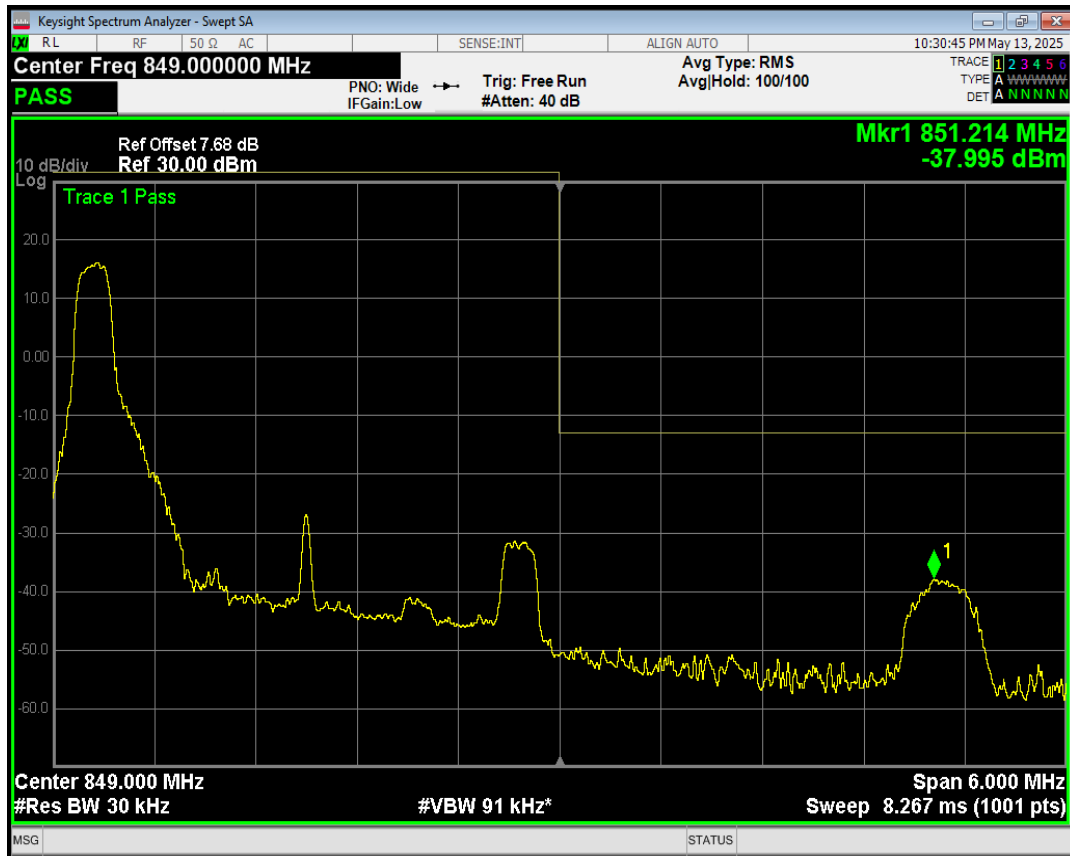
Band5 QAM16 BW=5MHz Channel=20425 RB Size=1 Position=#0



Band5 QAM16 BW=5MHz Channel=20425 RB Size=25 Position=#0



Band5 QAM16 BW=3MHz Channel=20635 RB Size=1 Position=#0



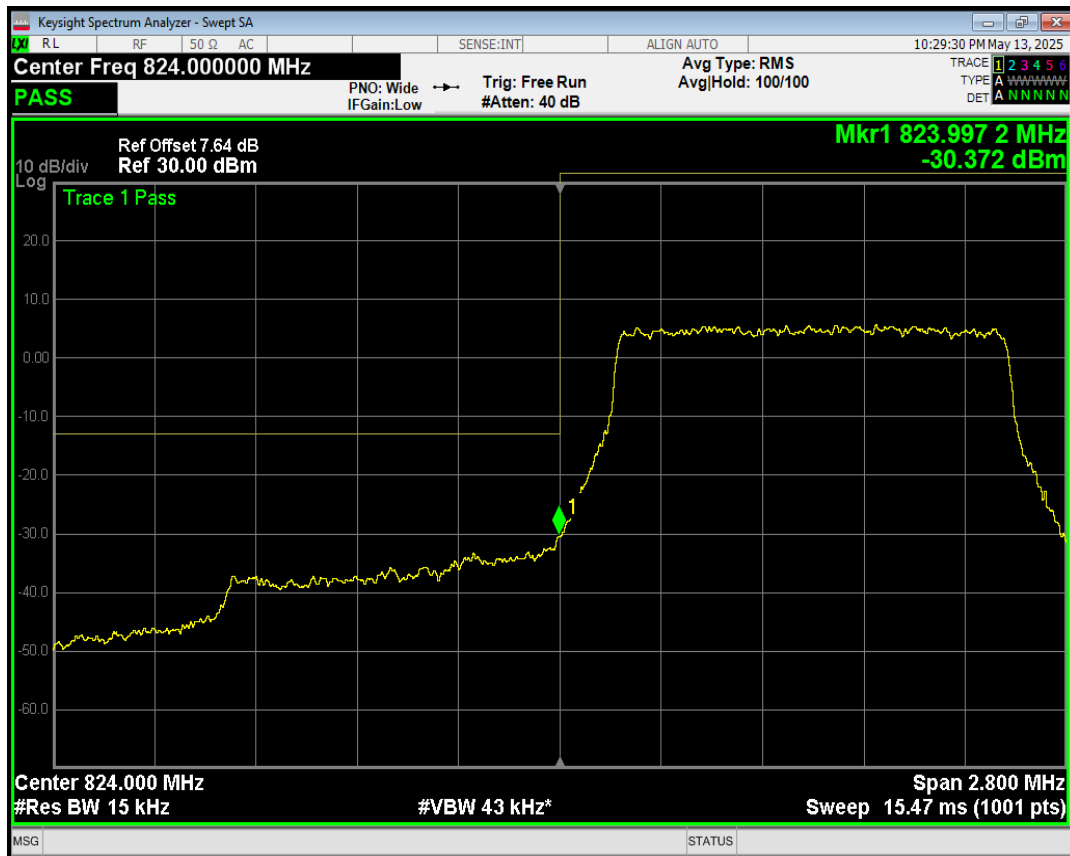
Band5 QAM16 BW=3MHz Channel=20635 RB Size=15 Position=#0



Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0



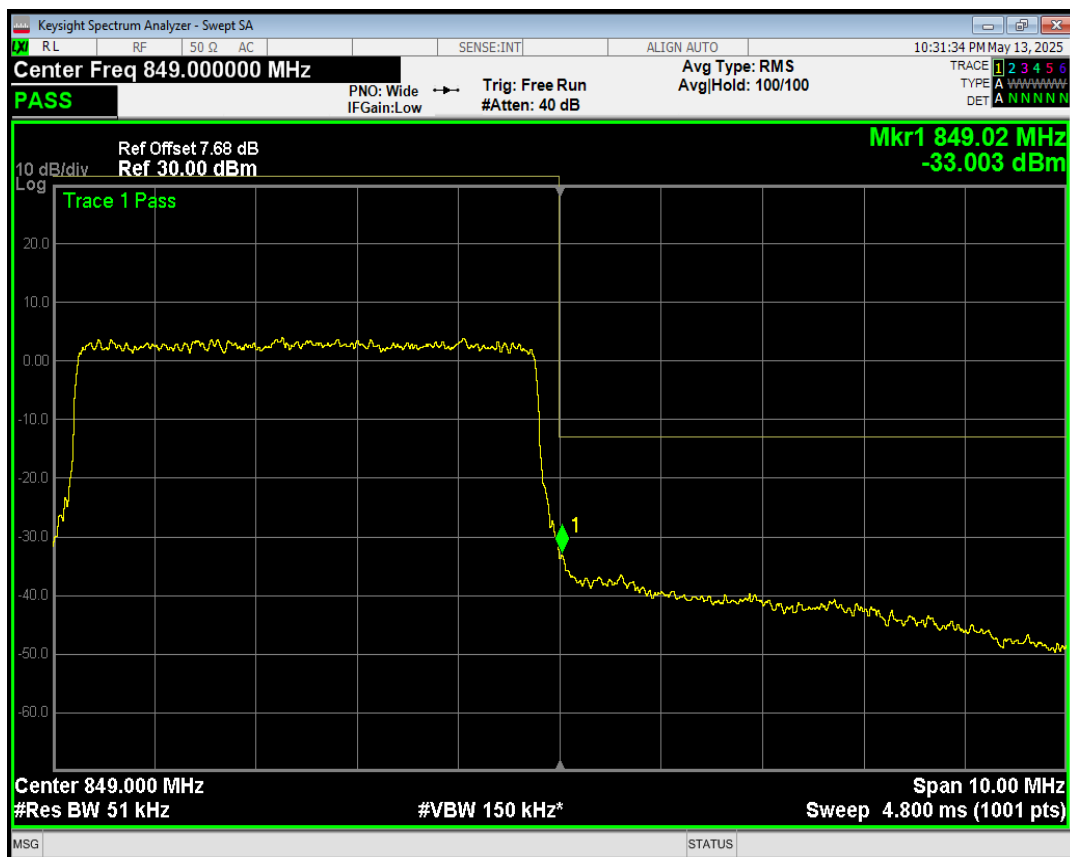
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



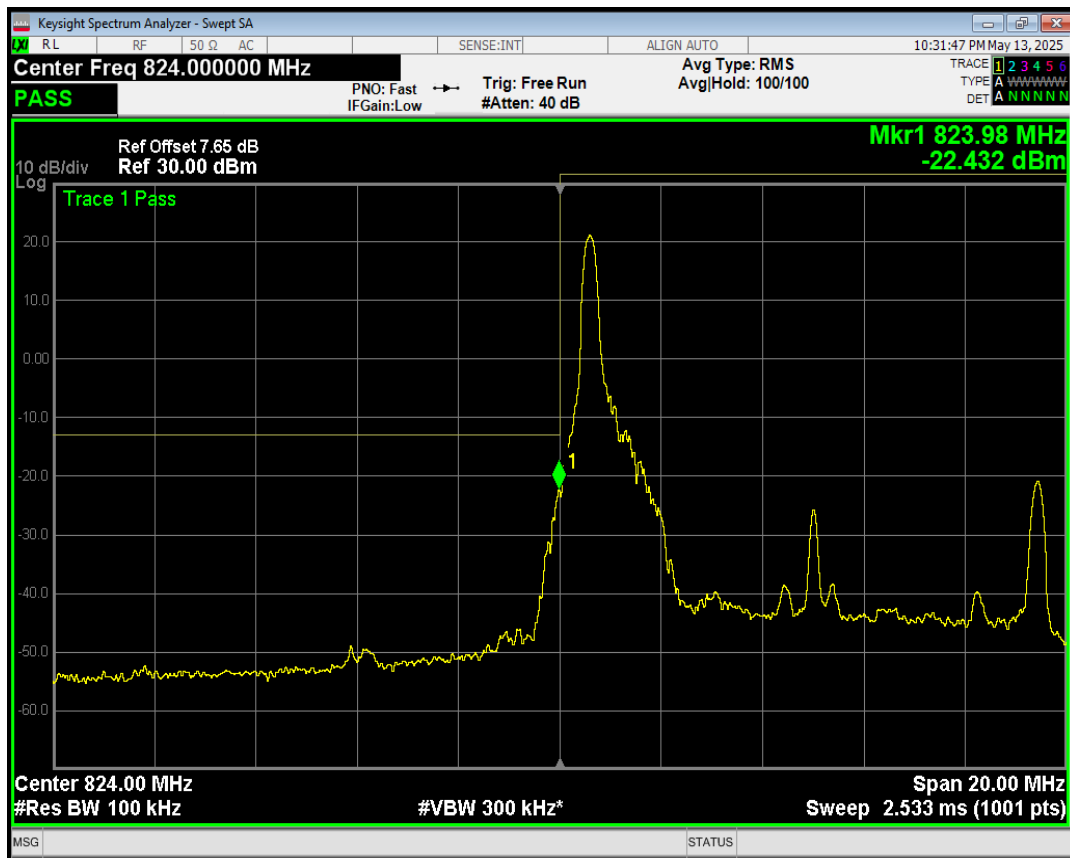
Band5 QAM16 BW=5MHz Channel=20625 RB Size=1 Position=#0



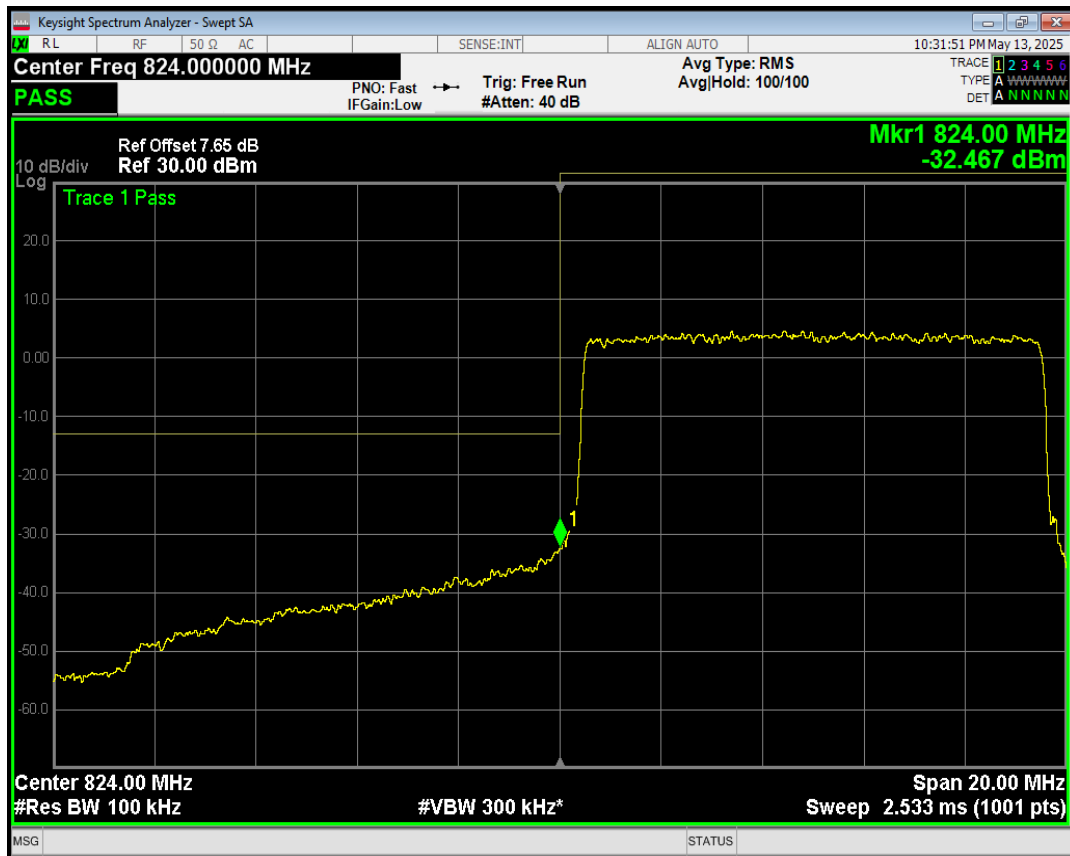
Band5 QAM16 BW=5MHz Channel=20625 RB Size=25 Position=#0



Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0



Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



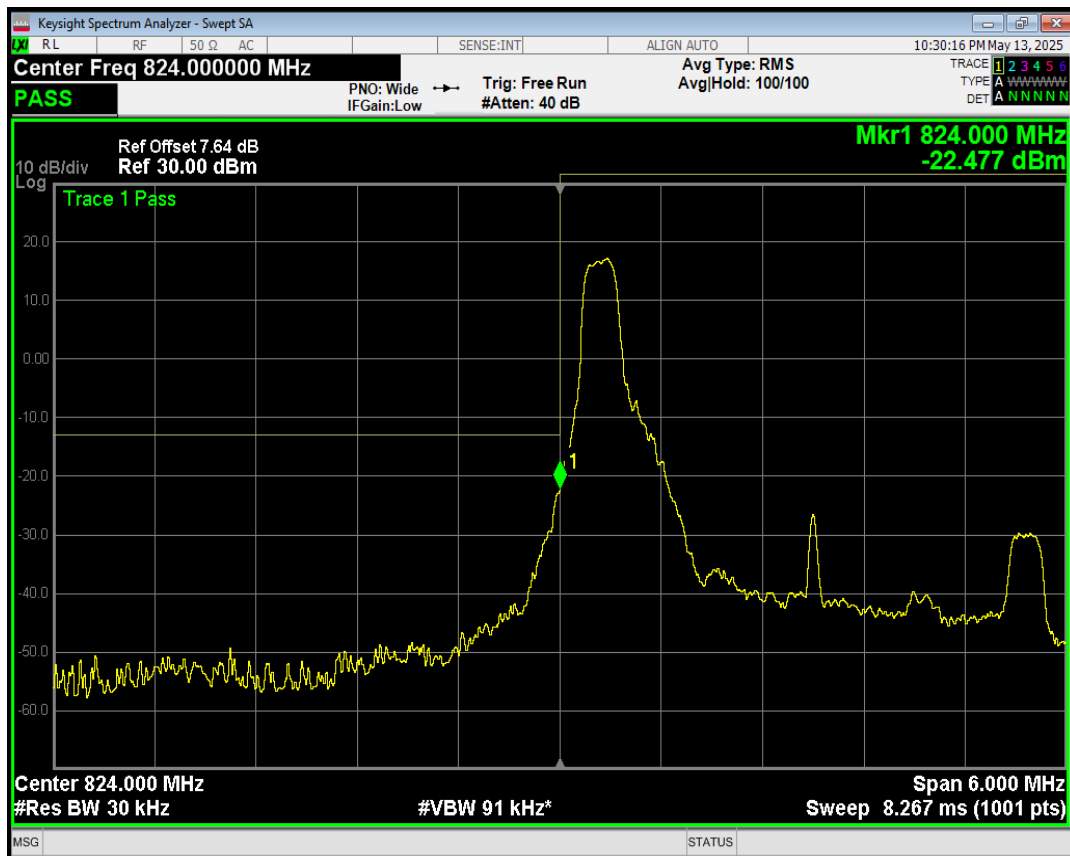
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0



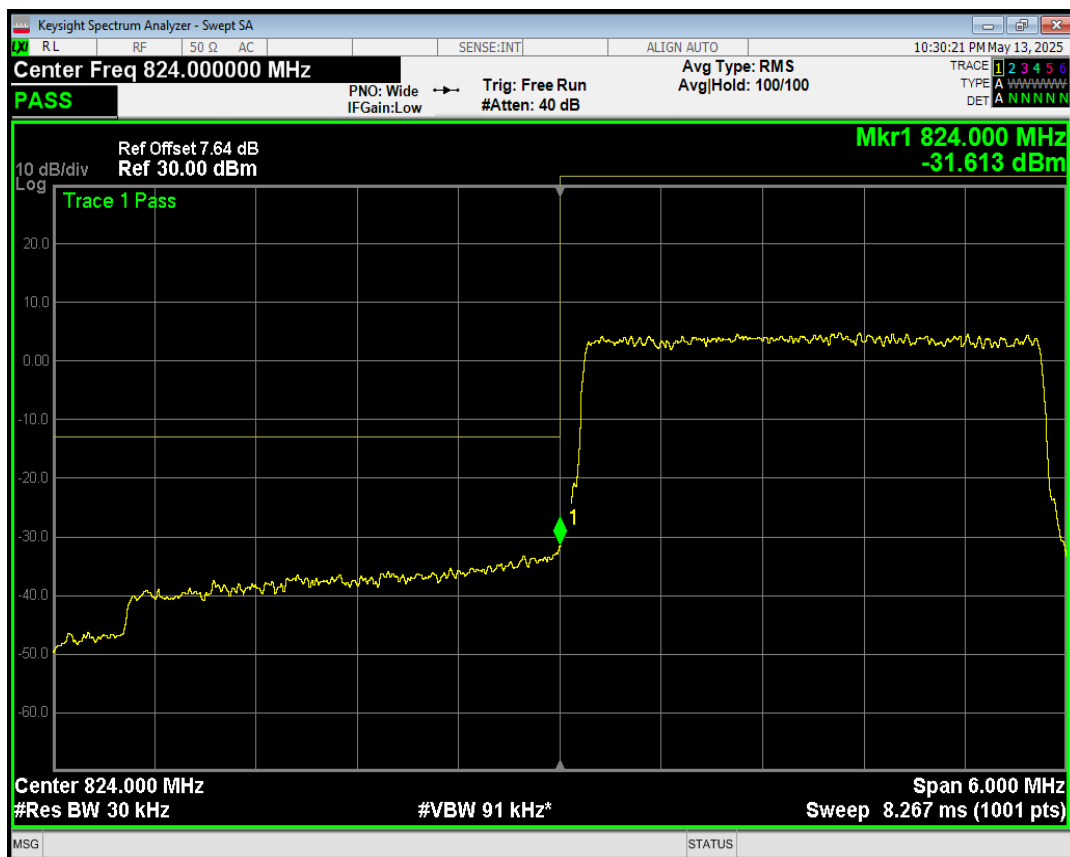
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0



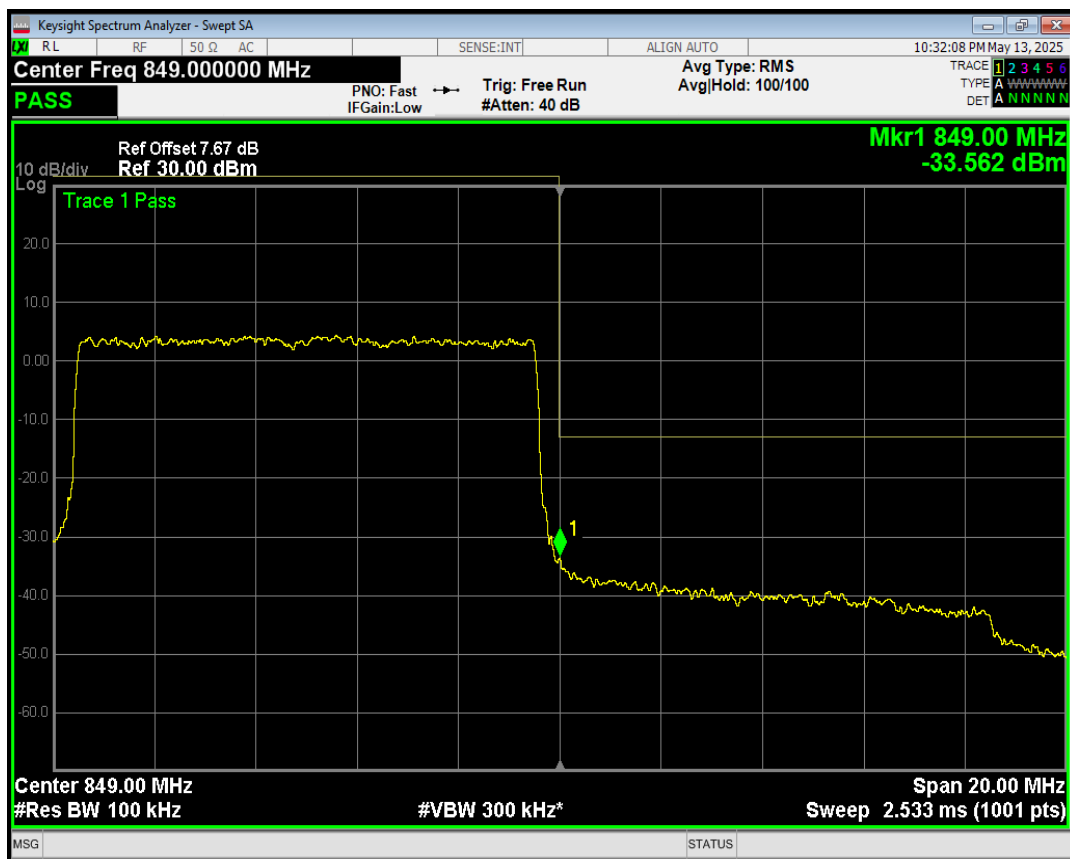
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



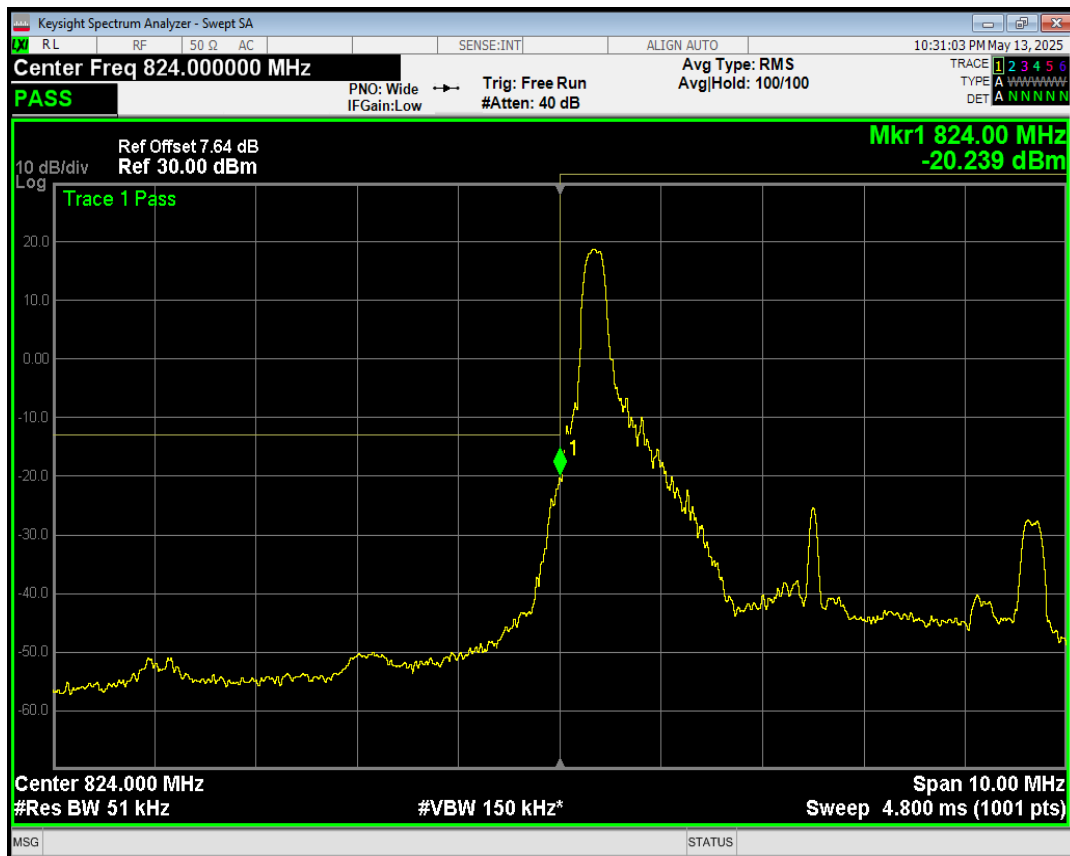
Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0



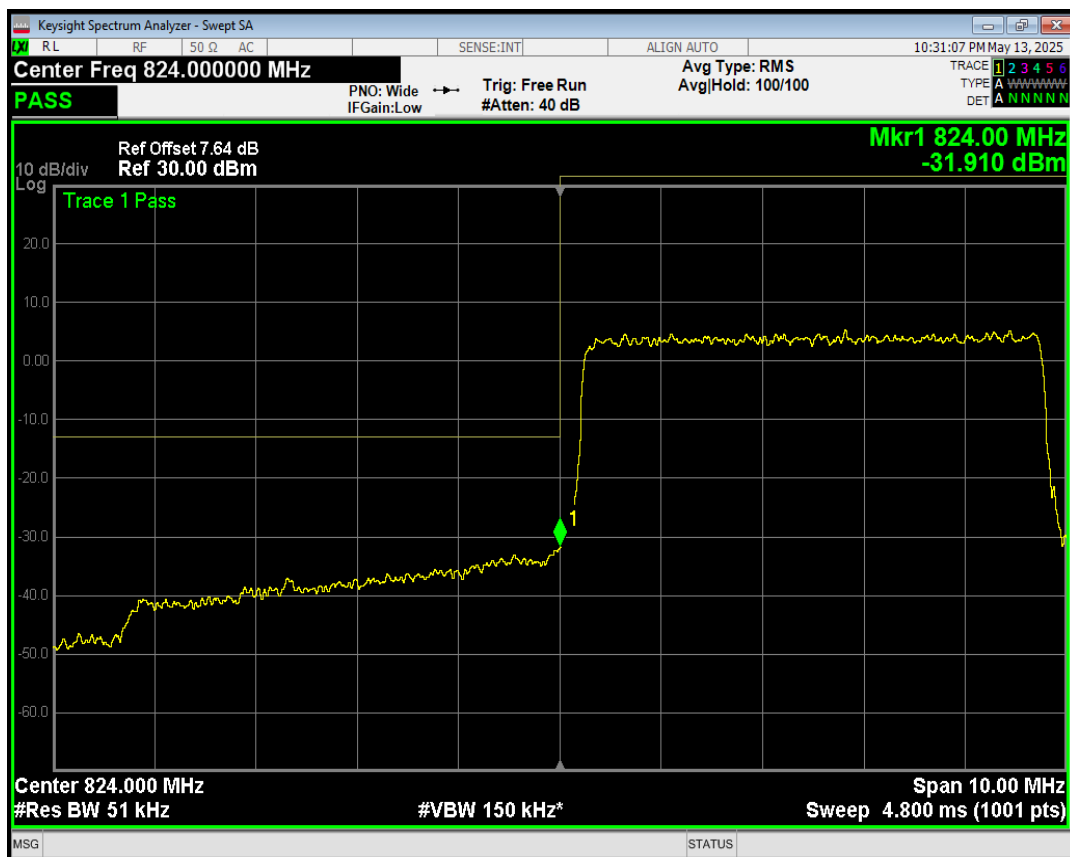
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0



Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0



Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0

